

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
 Data File : BM001458.D  
 Acq On : 29 May 2015 23:56  
 Operator : TP/IZ  
 Sample : G2411-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BCRC1

## 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-BM052915.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         | 2.810       | 18            | 21          | 27           | rVB3     | 23452          | 32123         | 0.84%           | 0.051%        |
| 2         | 3.340       | 107           | 111         | 117          | rBV      | 50008          | 66866         | 1.74%           | 0.105%        |
| 3         | 3.799       | 183           | 189         | 197          | rBV2     | 68274          | 101339        | 2.64%           | 0.159%        |
| 4         | 4.216       | 256           | 260         | 266          | rBV      | 40066          | 57447         | 1.50%           | 0.090%        |
| 5         | 4.475       | 300           | 304         | 313          | rVB      | 24477          | 38941         | 1.02%           | 0.061%        |
| 6         | 4.587       | 319           | 323         | 330          | rBV3     | 18514          | 28016         | 0.73%           | 0.044%        |
| 7         | 5.469       | 469           | 473         | 483          | rVB      | 19801          | 33248         | 0.87%           | 0.052%        |
| 8         | 5.904       | 544           | 547         | 559          | rBV      | 43312          | 80802         | 2.11%           | 0.127%        |
| 9         | 6.581       | 657           | 662         | 674          | rVB      | 470854         | 749917        | 19.56%          | 1.179%        |
| 10        | 6.728       | 681           | 687         | 697          | rBV      | 343172         | 504926        | 13.17%          | 0.794%        |
| 11        | 6.916       | 713           | 719         | 726          | rBV      | 480754         | 726627        | 18.95%          | 1.143%        |
| 12        | 6.998       | 729           | 733         | 741          | rBV4     | 13689          | 27914         | 0.73%           | 0.044%        |
| 13        | 7.381       | 791           | 798         | 806          | rVB      | 521077         | 798070        | 20.81%          | 1.255%        |
| 14        | 8.116       | 916           | 923         | 933          | rBV      | 535906         | 825708        | 21.53%          | 1.299%        |
| 15        | 8.210       | 933           | 939         | 945          | rVB      | 113161         | 177820        | 4.64%           | 0.280%        |
| 16        | 8.539       | 988           | 995         | 1004         | rBV      | 444087         | 688292        | 17.95%          | 1.082%        |
| 17        | 8.704       | 1018          | 1023        | 1029         | rBV3     | 20943          | 40682         | 1.06%           | 0.064%        |
| 18        | 9.257       | 1110          | 1117        | 1124         | rBV      | 391801         | 628711        | 16.40%          | 0.989%        |
| 19        | 9.463       | 1147          | 1152        | 1161         | rBV      | 43351          | 93961         | 2.45%           | 0.148%        |
| 20        | 9.804       | 1202          | 1210        | 1218         | rBV      | 616759         | 1028245       | 26.81%          | 1.617%        |
| 21        | 9.957       | 1231          | 1236        | 1242         | rBV3     | 25058          | 40380         | 1.05%           | 0.064%        |
| 22        | 10.163      | 1264          | 1271        | 1278         | rBV      | 767641         | 1198440       | 31.25%          | 1.885%        |
| 23        | 10.316      | 1291          | 1297        | 1312         | rBV      | 253106         | 458910        | 11.97%          | 0.722%        |
| 24        | 12.404      | 1645          | 1652        | 1659         | rVB      | 50372          | 77783         | 2.03%           | 0.122%        |
| 25        | 12.663      | 1688          | 1696        | 1701         | rBV2     | 91932          | 129870        | 3.39%           | 0.204%        |
| 26        | 13.486      | 1830          | 1836        | 1841         | rBV      | 1003001        | 1366712       | 35.64%          | 2.149%        |
| 27        | 13.533      | 1841          | 1844        | 1853         | rVB      | 364957         | 471819        | 12.30%          | 0.742%        |
| 28        | 13.757      | 1873          | 1882        | 1892         | rBV      | 1227109        | 1838090       | 47.93%          | 2.891%        |
| 29        | 14.068      | 1928          | 1935        | 1942         | rBV2     | 1073614        | 1622413       | 42.31%          | 2.551%        |
| 30        | 14.304      | 1968          | 1975        | 1992         | rBV      | 470920         | 725796        | 18.93%          | 1.141%        |
| 31        | 14.445      | 1995          | 1999        | 2004         | rVV3     | 34833          | 56987         | 1.49%           | 0.090%        |
| 32        | 14.521      | 2006          | 2012        | 2023         | rVV      | 149391         | 231351        | 6.03%           | 0.364%        |
| 33        | 14.945      | 2080          | 2084        | 2088         | rVB2     | 29963          | 37643         | 0.98%           | 0.059%        |
| 34        | 15.068      | 2099          | 2105        | 2112         | rBV      | 1625677        | 2201146       | 57.40%          | 3.462%        |

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 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-BM052915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.210 | 2123 | 2129 | 2141 | rVB  | 276204  | 388162  | 10.12% | 0.610% |
| 36 | 15.357 | 2148 | 2154 | 2160 | rVB9 | 14193   | 28387   | 0.74%  | 0.045% |
| 37 | 15.810 | 2225 | 2231 | 2234 | rBV  | 44142   | 62826   | 1.64%  | 0.099% |
| 38 | 15.980 | 2256 | 2260 | 2265 | rVV3 | 18378   | 26975   | 0.70%  | 0.042% |
| 39 | 16.251 | 2301 | 2306 | 2312 | rVV6 | 15024   | 33195   | 0.87%  | 0.052% |
| 40 | 16.598 | 2361 | 2365 | 2369 | rVV2 | 77732   | 98443   | 2.57%  | 0.155% |
| 41 | 16.651 | 2370 | 2374 | 2379 | rVV4 | 16946   | 29123   | 0.76%  | 0.046% |
| 42 | 16.745 | 2386 | 2390 | 2396 | rVV5 | 19590   | 26544   | 0.69%  | 0.042% |
| 43 | 16.821 | 2396 | 2403 | 2407 | rVV  | 1308266 | 1835929 | 47.88% | 2.887% |
| 44 | 16.862 | 2407 | 2410 | 2414 | rVV  | 112799  | 147507  | 3.85%  | 0.232% |
| 45 | 16.915 | 2414 | 2419 | 2431 | rVB2 | 1630338 | 2332523 | 60.83% | 3.668% |
| 46 | 17.009 | 2432 | 2435 | 2441 | rVB6 | 18066   | 26678   | 0.70%  | 0.042% |
| 47 | 17.339 | 2486 | 2491 | 2496 | rBV3 | 47580   | 65199   | 1.70%  | 0.103% |
| 48 | 17.545 | 2523 | 2526 | 2529 | rVB2 | 46332   | 51105   | 1.33%  | 0.080% |
| 49 | 17.609 | 2533 | 2537 | 2544 | rBV8 | 18379   | 41021   | 1.07%  | 0.065% |
| 50 | 17.680 | 2544 | 2549 | 2554 | rBV3 | 76315   | 141227  | 3.68%  | 0.222% |
| 51 | 17.739 | 2554 | 2559 | 2567 | rVV  | 603212  | 814116  | 21.23% | 1.280% |
| 52 | 17.798 | 2567 | 2569 | 2577 | rVB3 | 30330   | 52577   | 1.37%  | 0.083% |
| 53 | 17.886 | 2580 | 2584 | 2588 | rBV3 | 45052   | 70233   | 1.83%  | 0.110% |
| 54 | 18.027 | 2604 | 2608 | 2617 | rBV6 | 34853   | 83672   | 2.18%  | 0.132% |
| 55 | 18.239 | 2641 | 2644 | 2649 | rBV5 | 25917   | 33394   | 0.87%  | 0.053% |
| 56 | 18.298 | 2650 | 2654 | 2660 | rVV  | 48759   | 62824   | 1.64%  | 0.099% |
| 57 | 18.533 | 2691 | 2694 | 2698 | rVB2 | 37910   | 46857   | 1.22%  | 0.074% |
| 58 | 18.627 | 2705 | 2710 | 2714 | rBV3 | 32123   | 46614   | 1.22%  | 0.073% |
| 59 | 18.674 | 2714 | 2718 | 2724 | rBV2 | 48510   | 93662   | 2.44%  | 0.147% |
| 60 | 18.756 | 2729 | 2732 | 2736 | rBV5 | 60755   | 106268  | 2.77%  | 0.167% |
| 61 | 18.886 | 2749 | 2754 | 2760 | rBV  | 452578  | 625054  | 16.30% | 0.983% |
| 62 | 19.033 | 2775 | 2779 | 2787 | rBV4 | 214527  | 358335  | 9.34%  | 0.564% |
| 63 | 19.221 | 2806 | 2811 | 2815 | rBV2 | 1809459 | 2605033 | 67.93% | 4.097% |
| 64 | 19.492 | 2854 | 2857 | 2862 | rVB3 | 53914   | 72387   | 1.89%  | 0.114% |
| 65 | 19.721 | 2892 | 2896 | 2899 | rBV6 | 37161   | 65178   | 1.70%  | 0.103% |
| 66 | 19.762 | 2899 | 2903 | 2906 | rVV2 | 154824  | 223904  | 5.84%  | 0.352% |
| 67 | 19.797 | 2906 | 2909 | 2915 | rVB2 | 74636   | 121321  | 3.16%  | 0.191% |
| 68 | 19.856 | 2917 | 2919 | 2923 | rVV2 | 41770   | 40455   | 1.05%  | 0.064% |
| 69 | 20.045 | 2947 | 2951 | 2955 | rBV2 | 51443   | 92240   | 2.41%  | 0.145% |
| 70 | 20.121 | 2960 | 2964 | 2968 | rVB2 | 125271  | 168139  | 4.38%  | 0.264% |
| 71 | 20.292 | 2988 | 2993 | 2997 | rVB5 | 44819   | 85953   | 2.24%  | 0.135% |

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## Integration Parameters: LSCINT.P

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Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
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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-BM052915.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 20.356 | 3002 | 3004 | 3009 | rVB6 | 54870   | 70848   | 1.85%   | 0.111% |
| 73  | 20.468 | 3020 | 3023 | 3026 | rBV4 | 84883   | 94983   | 2.48%   | 0.149% |
| 74  | 20.750 | 3067 | 3071 | 3078 | rBV2 | 1221226 | 1608345 | 41.94%  | 2.529% |
| 75  | 20.956 | 3103 | 3106 | 3111 | rVB  | 294426  | 310899  | 8.11%   | 0.489% |
| 76  | 21.021 | 3111 | 3117 | 3121 | rBV2 | 1562075 | 2208756 | 57.60%  | 3.474% |
| 77  | 21.056 | 3121 | 3123 | 3130 | rVB  | 433619  | 558998  | 14.58%  | 0.879% |
| 78  | 21.192 | 3144 | 3146 | 3150 | rVB  | 111187  | 116365  | 3.03%   | 0.183% |
| 79  | 21.621 | 3213 | 3219 | 3224 | rBV4 | 556539  | 963985  | 25.14%  | 1.516% |
| 80  | 22.033 | 3286 | 3289 | 3293 | rVB  | 161004  | 191420  | 4.99%   | 0.301% |
| 81  | 22.150 | 3306 | 3309 | 3315 | rVB  | 171670  | 230493  | 6.01%   | 0.362% |
| 82  | 22.244 | 3320 | 3325 | 3334 | rVB  | 1029276 | 1377830 | 35.93%  | 2.167% |
| 83  | 22.497 | 3363 | 3368 | 3371 | rBV  | 1014808 | 1490721 | 38.88%  | 2.344% |
| 84  | 22.538 | 3371 | 3375 | 3385 | rVB  | 2693328 | 3834606 | 100.00% | 6.030% |
| 85  | 22.933 | 3439 | 3442 | 3445 | rBV2 | 137219  | 197367  | 5.15%   | 0.310% |
| 86  | 22.980 | 3445 | 3450 | 3455 | rBV  | 1106592 | 1872737 | 48.84%  | 2.945% |
| 87  | 23.115 | 3467 | 3473 | 3478 | rBV  | 895284  | 1531082 | 39.93%  | 2.408% |
| 88  | 23.291 | 3499 | 3503 | 3510 | rVB  | 335300  | 553002  | 14.42%  | 0.870% |
| 89  | 23.591 | 3548 | 3554 | 3561 | rVB  | 1272871 | 2351841 | 61.33%  | 3.699% |
| 90  | 23.674 | 3563 | 3568 | 3576 | rVB  | 483932  | 898161  | 23.42%  | 1.412% |
| 91  | 24.268 | 3665 | 3669 | 3674 | rVB5 | 125349  | 217237  | 5.67%   | 0.342% |
| 92  | 24.668 | 3732 | 3737 | 3746 | rVB2 | 299584  | 646055  | 16.85%  | 1.016% |
| 93  | 25.044 | 3794 | 3801 | 3806 | rBV  | 501848  | 1239998 | 32.34%  | 1.950% |
| 94  | 25.097 | 3807 | 3810 | 3817 | rVV3 | 427338  | 1014373 | 26.45%  | 1.595% |
| 95  | 25.174 | 3818 | 3823 | 3837 | rVV5 | 407632  | 1227835 | 32.02%  | 1.931% |
| 96  | 25.309 | 3839 | 3846 | 3857 | rVB2 | 822105  | 2224014 | 58.00%  | 3.498% |
| 97  | 25.509 | 3874 | 3880 | 3885 | rBV2 | 462883  | 1171039 | 30.54%  | 1.842% |
| 98  | 25.579 | 3886 | 3892 | 3902 | rVB2 | 1085032 | 2818913 | 73.51%  | 4.433% |
| 99  | 25.868 | 3934 | 3941 | 3950 | rBV3 | 808129  | 2119524 | 55.27%  | 3.333% |
| 100 | 27.285 | 4171 | 4182 | 4195 | rVB8 | 473505  | 2056630 | 53.63%  | 3.234% |

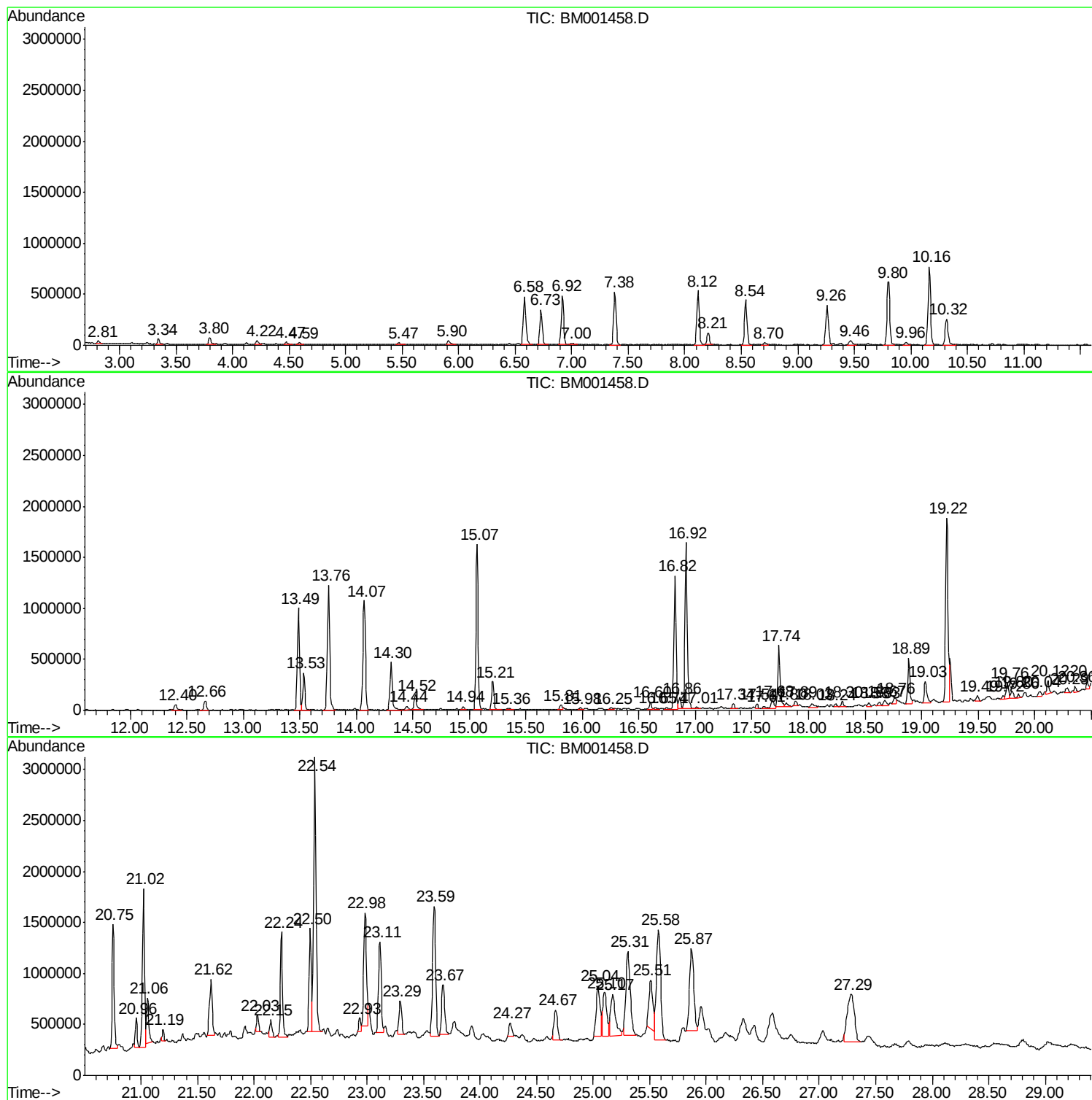
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

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



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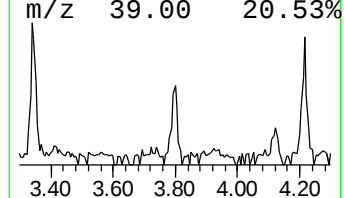
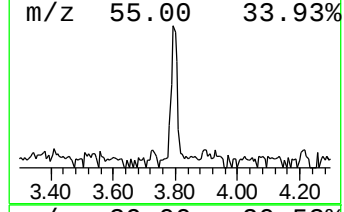
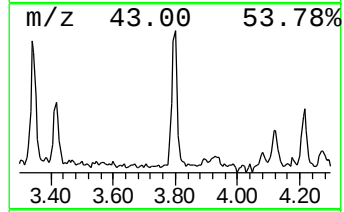
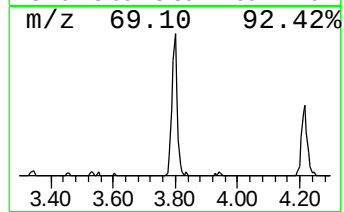
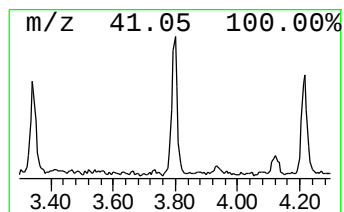
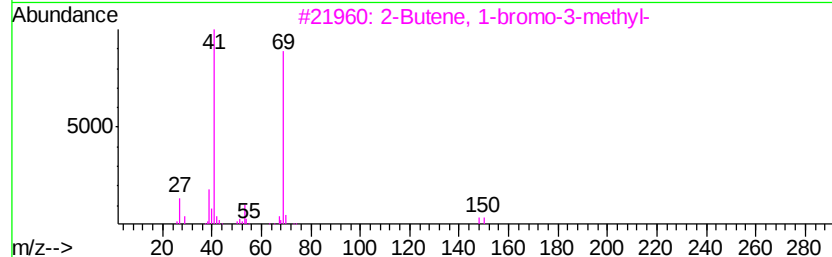
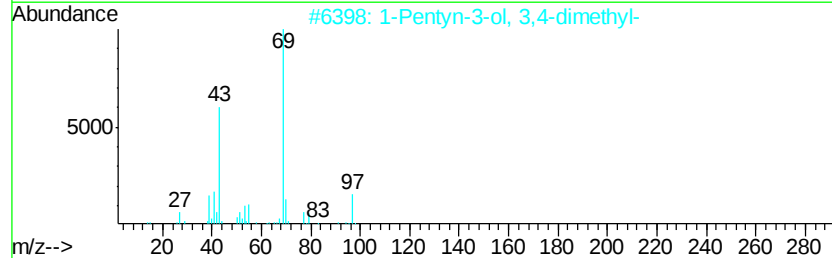
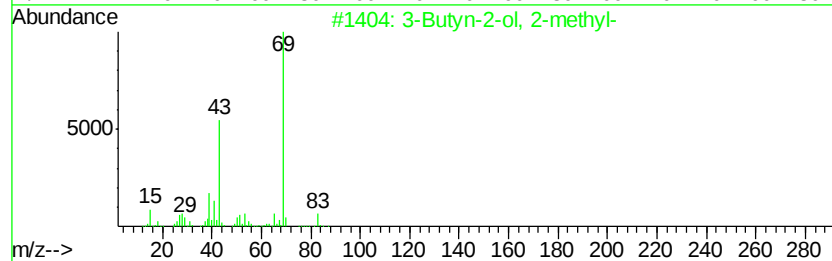
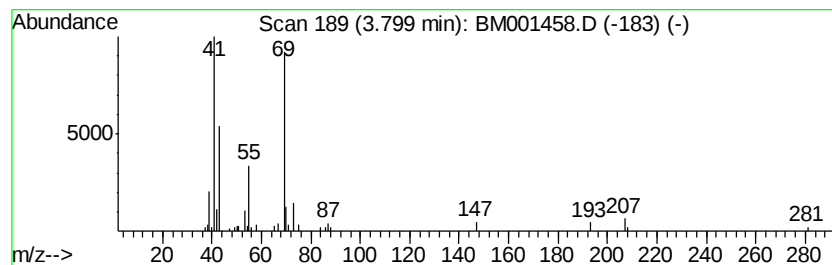
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 3-Butyn-2-ol, 2-methyl- Concentration Rank 20

| R.T.      | EstConc                      | Area   | Relative to ISTD       | R.T.        |      |
|-----------|------------------------------|--------|------------------------|-------------|------|
| 3.80      | 2.54 ng/ul                   | 101339 | 1,4-Dichlorobenzene-d4 | 7.38        |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm                | CAS#        | Qual |
| 1         | 3-Butyn-2-ol, 2-methyl-      | 84     | C5H8O                  | 000115-19-5 | 53   |
| 2         | 1-Pentyn-3-ol, 3,4-dimethyl- | 112    | C7H12O                 | 001482-15-1 | 45   |
| 3         | 2-Butene, 1-bromo-3-methyl-  | 148    | C5H9Br                 | 000870-63-3 | 42   |
| 4         | 1-Pentene, 3,3-dimethyl-     | 98     | C7H14                  | 003404-73-7 | 42   |
| 5         | 3-Penten-1-ol, 2-methyl-     | 100    | C6H12O                 | 062238-37-3 | 38   |



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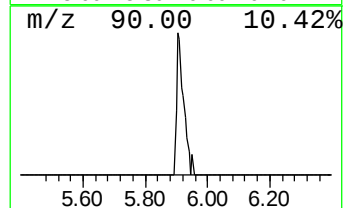
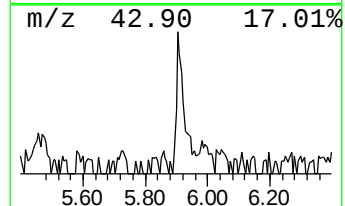
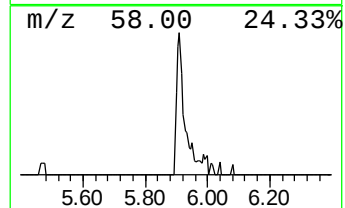
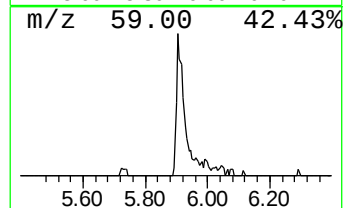
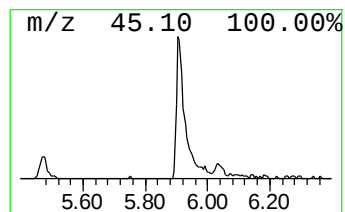
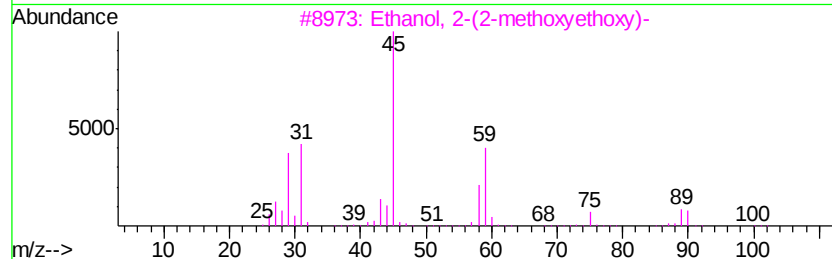
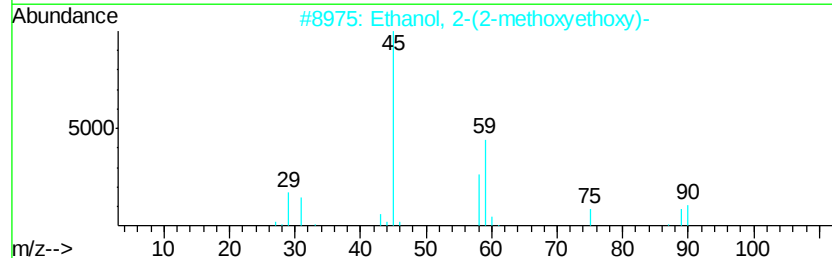
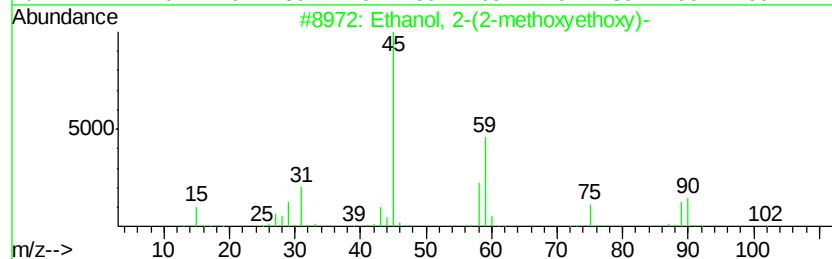
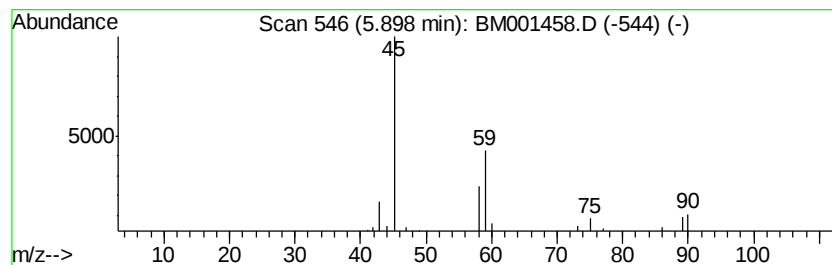
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 22

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 5.90 | 2.02 ng/ul | 80802 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 83   |
| 2    |    | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 83   |
| 3    |    | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 74   |
| 4    |    | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 59   |
| 5    |    | Butanoic acid, 4-methoxy-     | 118 | C5H10O3 | 029006-02-8 | 36   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

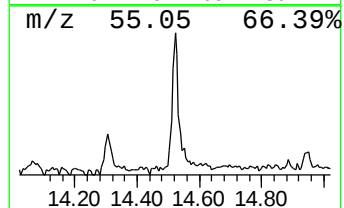
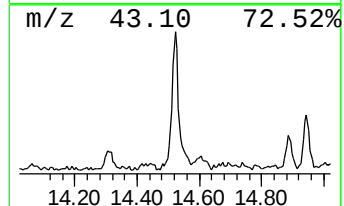
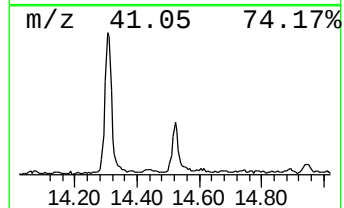
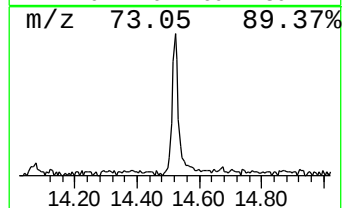
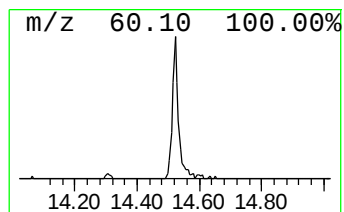
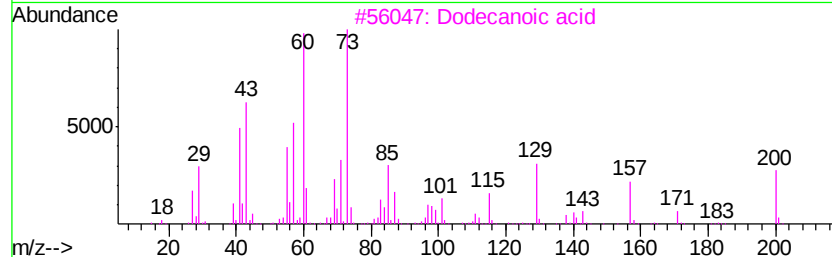
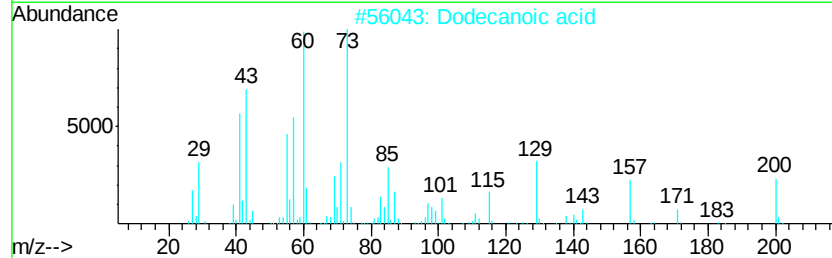
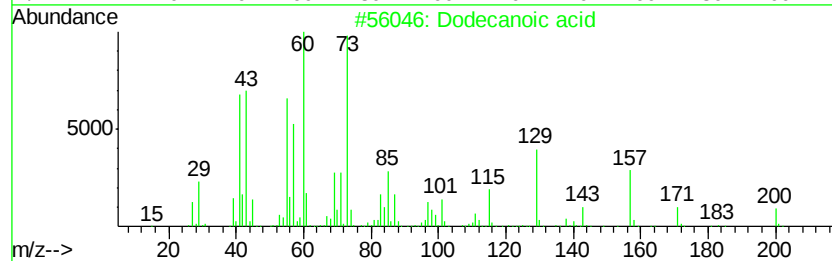
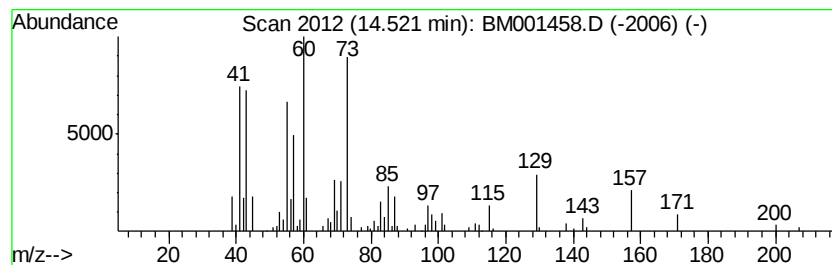
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Dodecanoic acid Concentration Rank 18

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.52 | 2.85 ng/ul | 231351 | Acenaphthene-d10 | 14.07 |

| Hit# | of | Tentative ID    | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------|-----|----------|-------------|------|
| 1    | 5  | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91   |
| 2    |    | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91   |
| 3    |    | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91   |
| 4    |    | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 80   |
| 5    |    | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 80   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

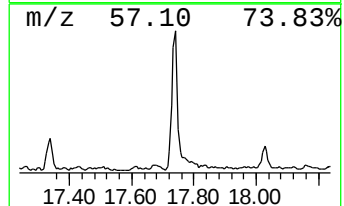
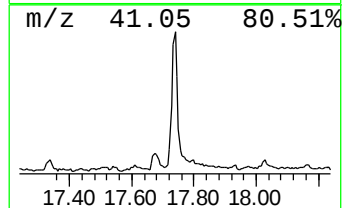
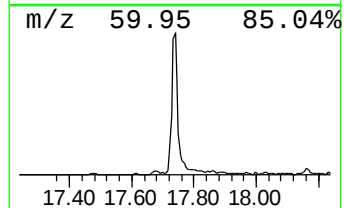
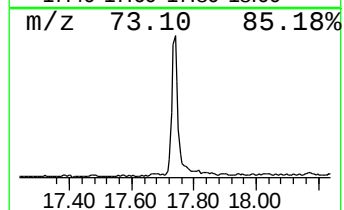
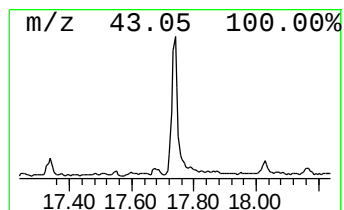
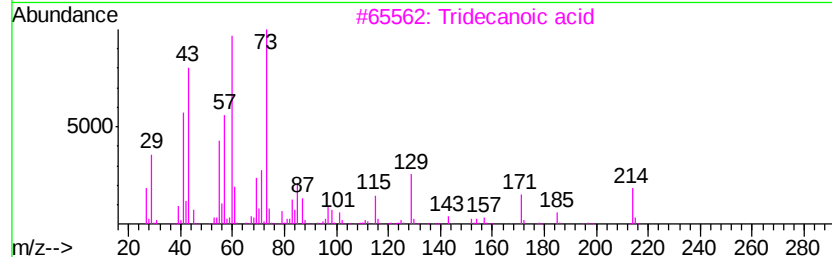
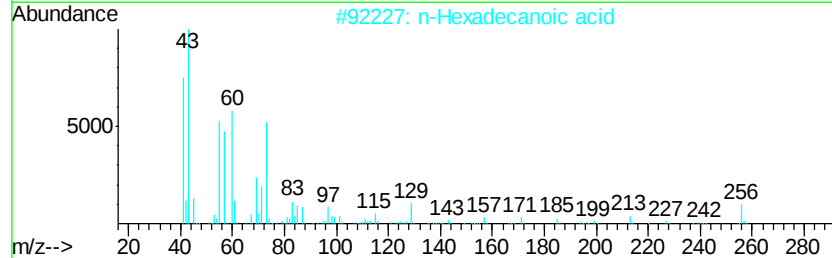
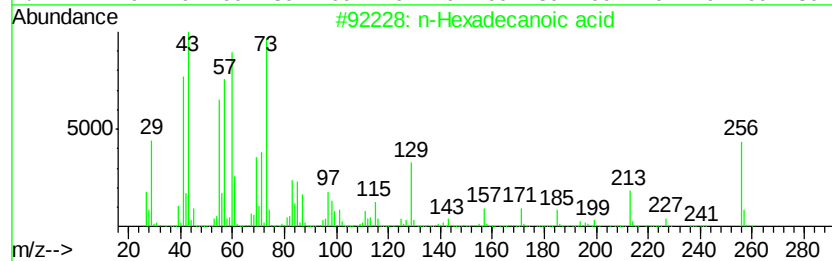
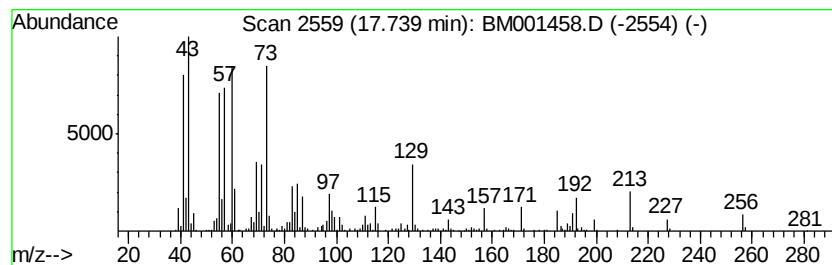
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.74 | 8.87 ng/ul | 814116 | Phenanthrene-d10 | 16.82 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 2       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86   |
| 3       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 72   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 72   |
| 5       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 68   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

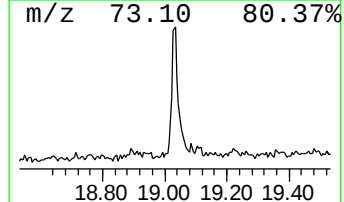
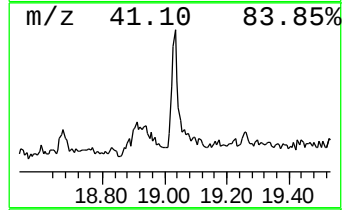
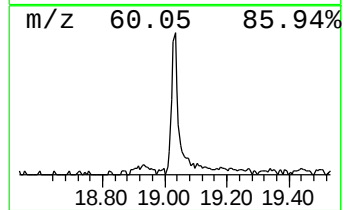
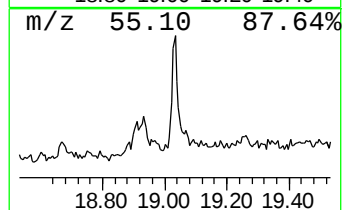
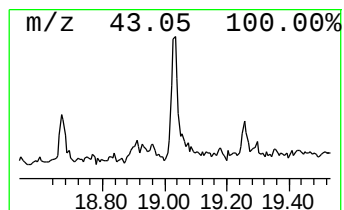
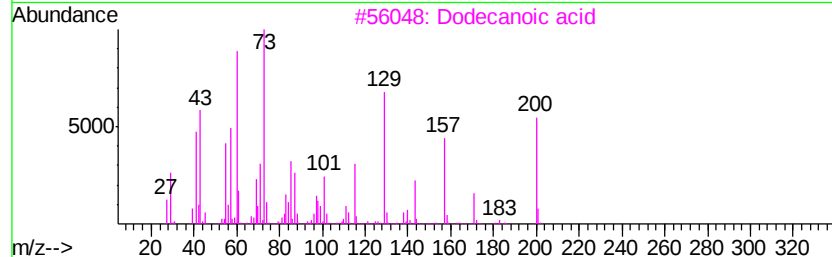
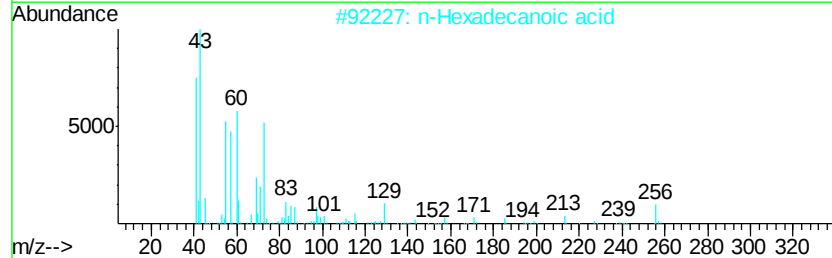
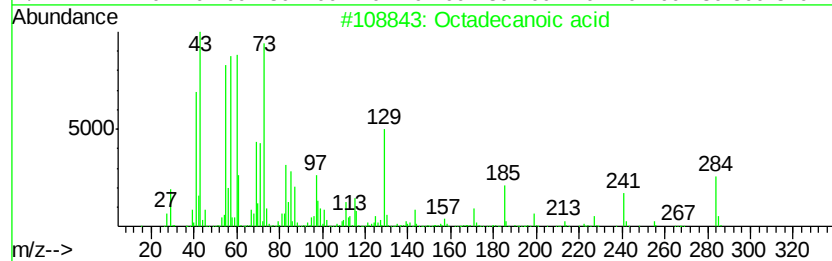
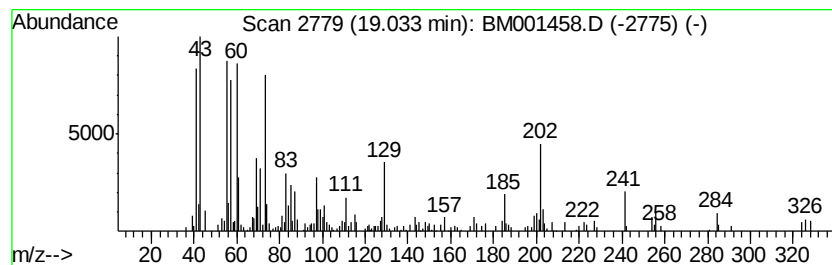
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.03 | 3.24 ng/ul | 358335 | Chrysene-d12     | 21.02 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 89   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 78   |
| 3    |    | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 78   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 78   |
| 5    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 76   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

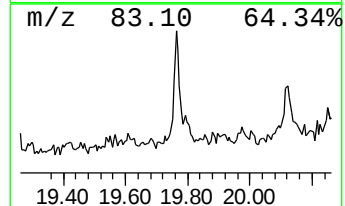
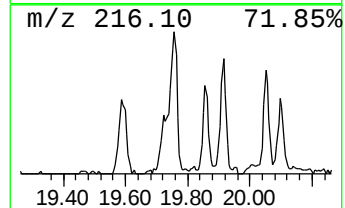
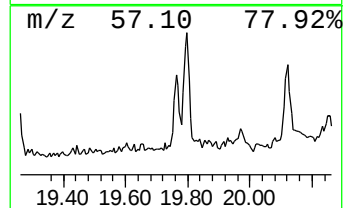
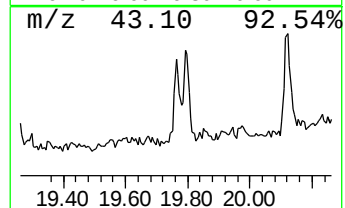
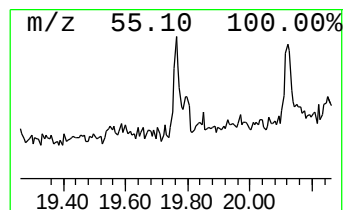
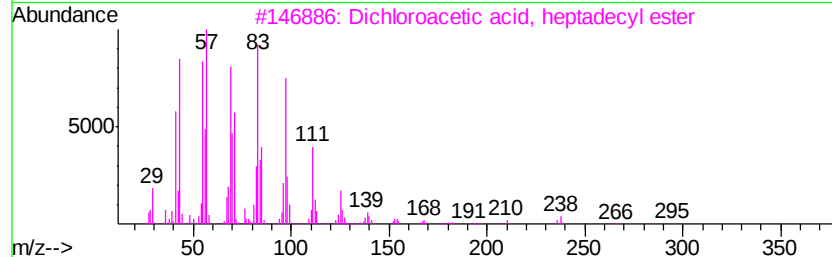
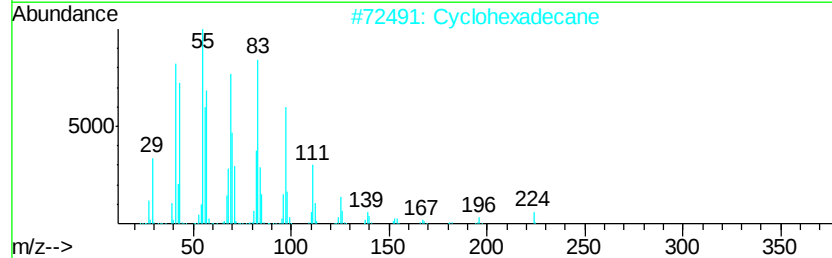
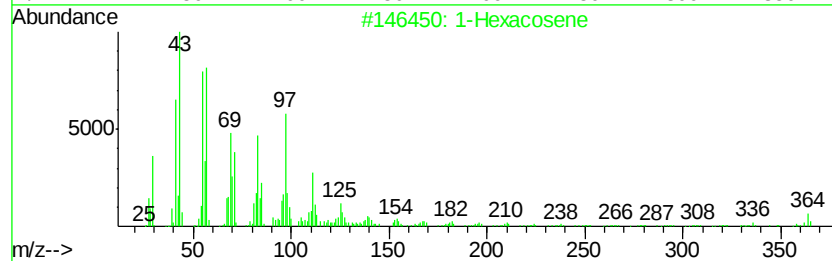
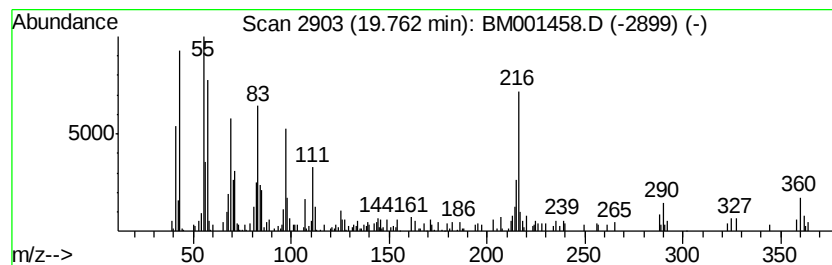
Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.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: Branched-01 Concentration Rank 21

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 19.76   | 2.03 ng/ul                          | 223904       | Chrysene-d12     | 21.02           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Hexacosene                        |              | 364 C26H52       | 018835-33-1 56  |
| 2       | Cyclohexadecane                     |              | 224 C16H32       | 000295-65-8 56  |
| 3       | Dichloroacetic acid, heptadecyl ... |              | 366 C19H36Cl2O2  | 1000282-98-2 50 |
| 4       | 1-Tricosanol                        |              | 340 C23H48O      | 003133-01-5 50  |
| 5       | 2-Chloropropionic acid, pentade...  |              | 318 C18H35ClO2   | 1000292-44-1 50 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

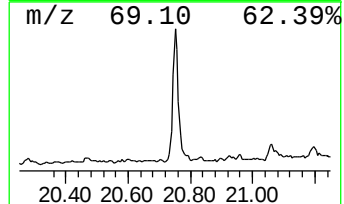
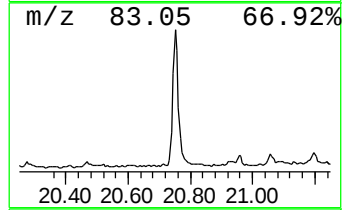
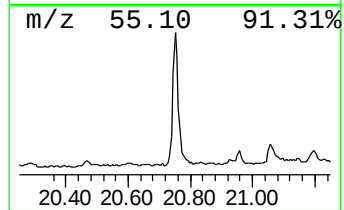
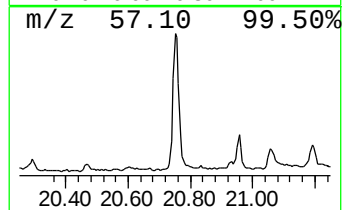
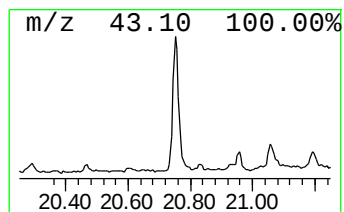
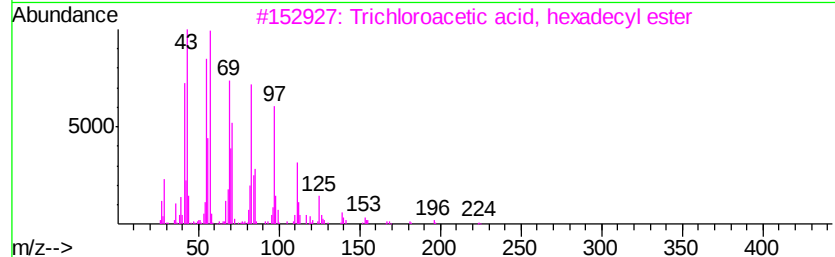
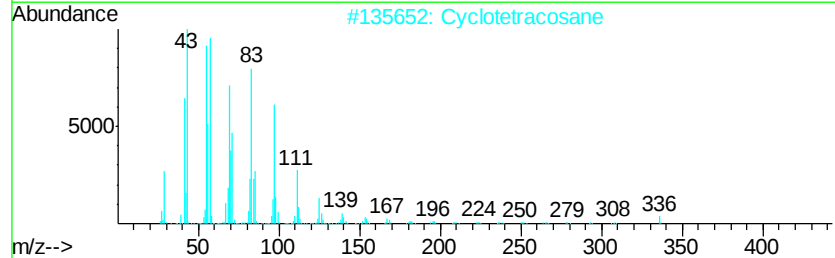
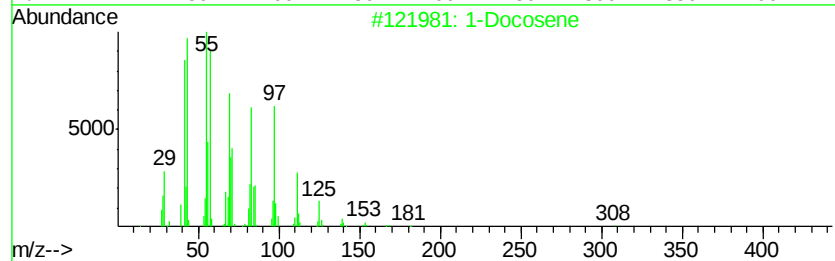
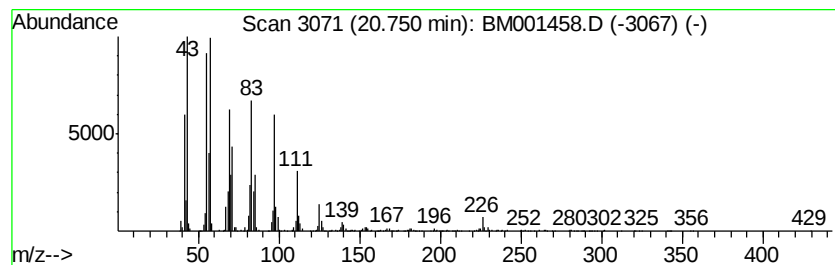
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Branched-02 Concentration Rank 9

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.75 | 14.56 ng/ul | 1608350 | Chrysene-d12     | 21.02 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 95   |
| 2    |    |   | Cyclotetracosane                    | 336 | C24H48      | 000297-03-0 | 95   |
| 3    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 4    |    |   | 1-Hexadecanol, 2-methyl-            | 256 | C17H36O     | 002490-48-4 | 93   |
| 5    |    |   | 1-Tricosene                         | 322 | C23H46      | 018835-32-0 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

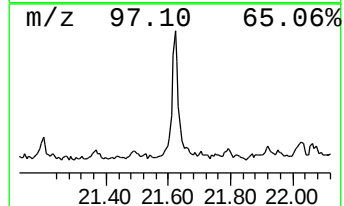
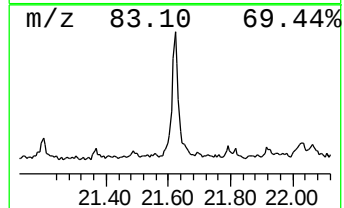
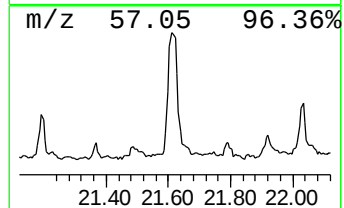
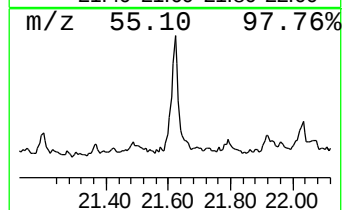
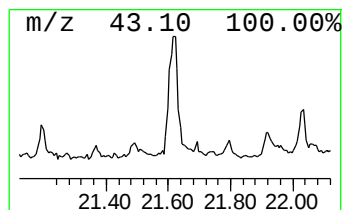
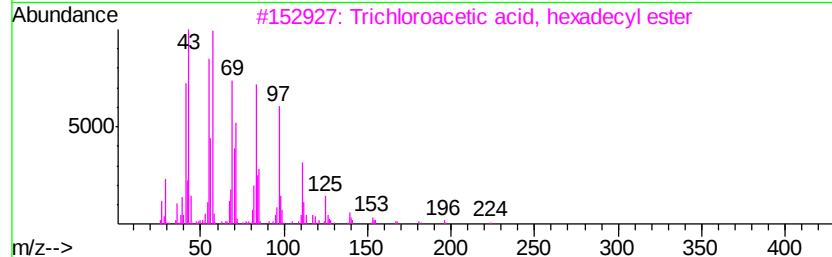
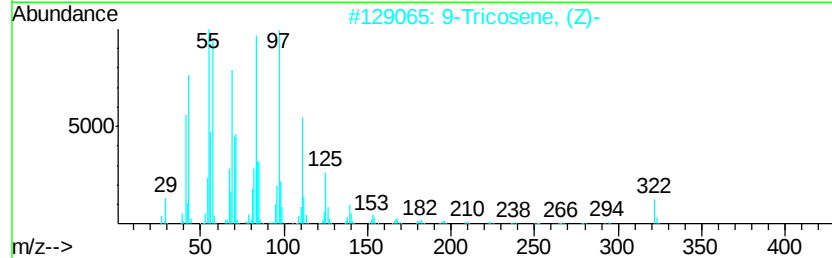
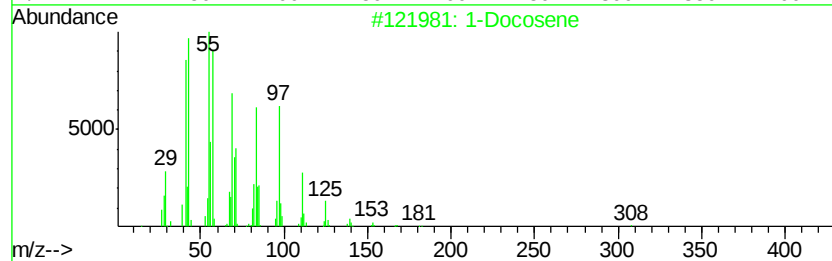
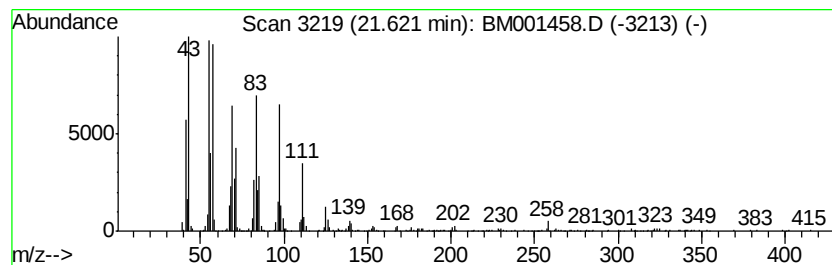
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Branched-03 Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.62 | 8.73 ng/ul | 963985 | Chrysene-d12     | 21.02 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 99   |
| 2    |    |   | 9-Tricosene, (Z)-                   | 322 | C23H46      | 027519-02-4 | 93   |
| 3    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 4    |    |   | Cyclooctacosane                     | 392 | C28H56      | 000297-24-5 | 91   |
| 5    |    |   | 9-Tricosene, (Z)-                   | 322 | C23H46      | 027519-02-4 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

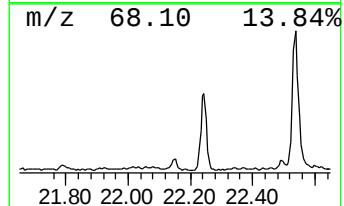
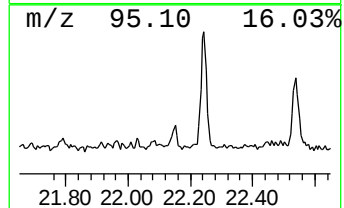
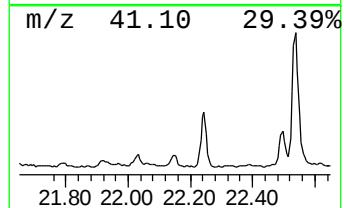
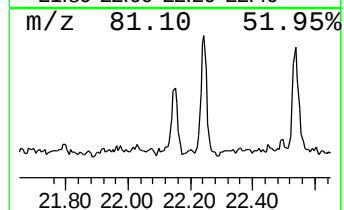
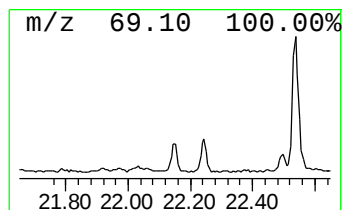
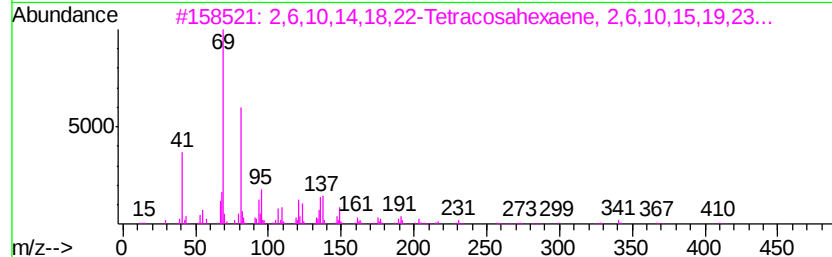
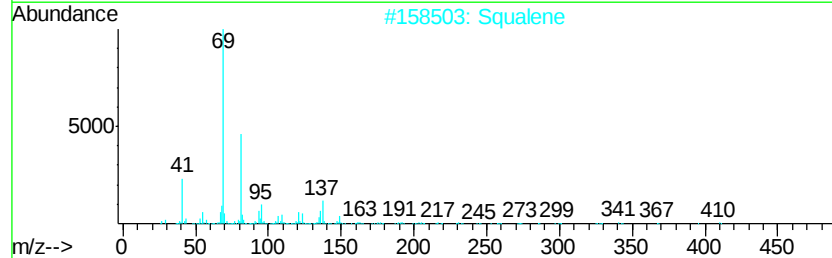
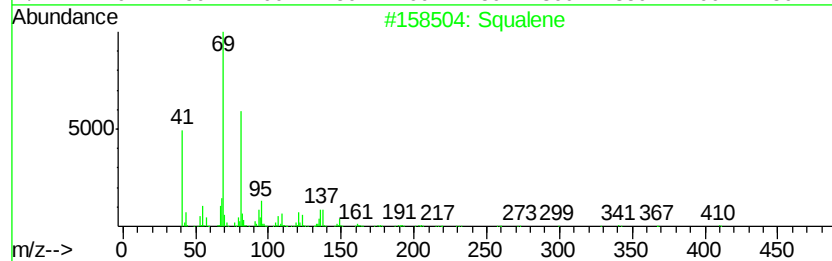
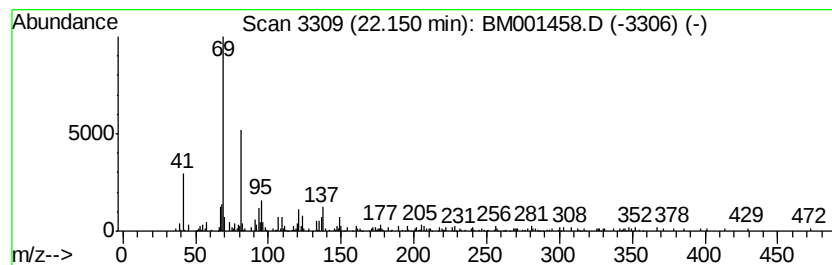
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Squalene Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.15 | 3.01 ng/ul | 230493 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 80   |
| 2    |    | Squalene                            | 410 | C30H50  | 007683-64-9 | 80   |
| 3    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 80   |
| 4    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 72   |
| 5    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 72   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

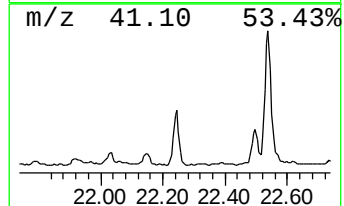
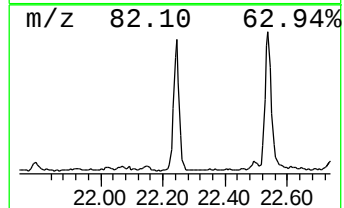
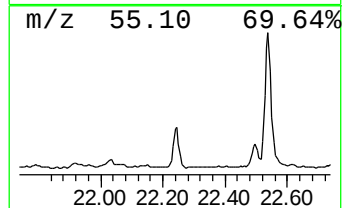
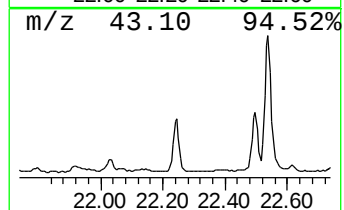
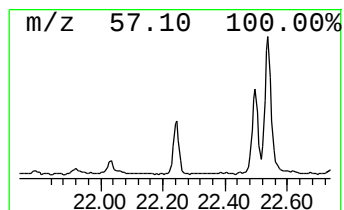
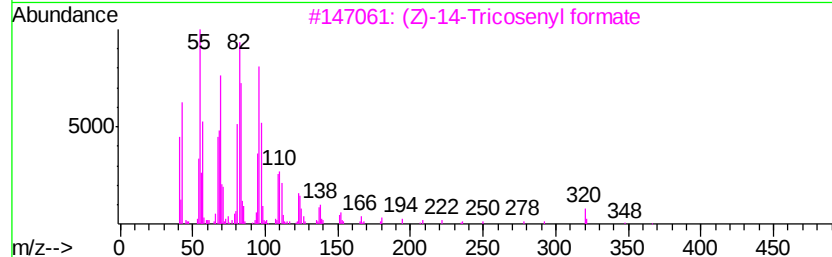
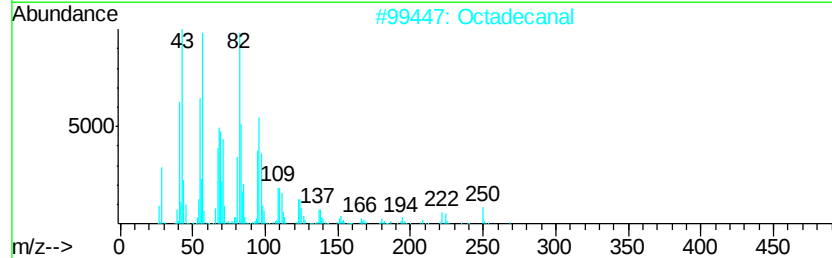
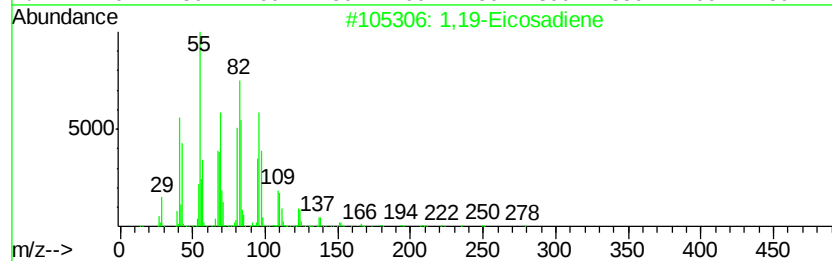
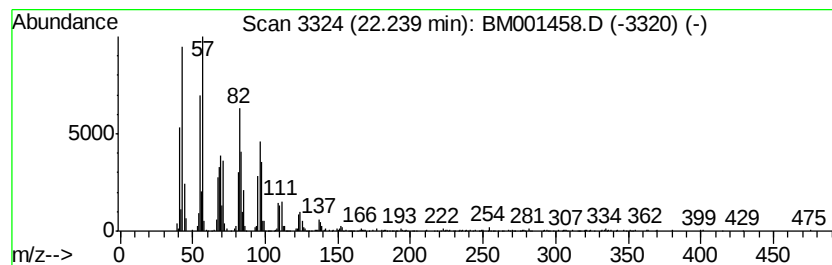
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 10 1,19-Eicosadiene Concentration Rank 6

| R.T.      | EstConc                   | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------------|---------|------------------|-------------|------|
| 22.24     | 18.00 ng/ul               | 1377830 | Perylene-d12     | 23.11       |      |
| Hit# of 5 | Tentative ID              | MW      | MolForm          | CAS#        | Qual |
| 1         | 1,19-Eicosadiene          | 278     | C20H38           | 014811-95-1 | 95   |
| 2         | Octadecanal               | 268     | C18H36O          | 000638-66-4 | 94   |
| 3         | (Z)-14-Tricosenyl formate | 366     | C24H46O2         | 077899-10-6 | 93   |
| 4         | Oxirane, hexadecyl-       | 268     | C18H36O          | 007390-81-0 | 91   |
| 5         | Octadecanal               | 268     | C18H36O          | 000638-66-4 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

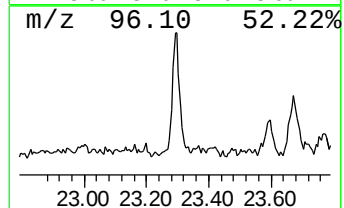
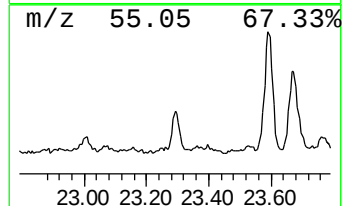
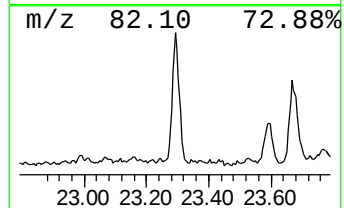
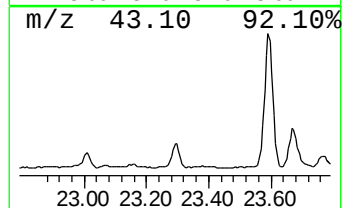
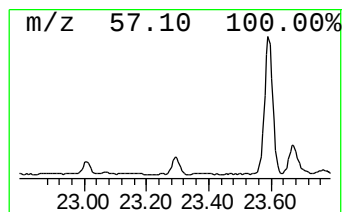
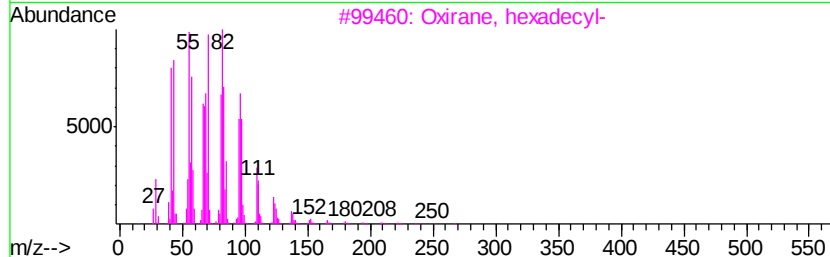
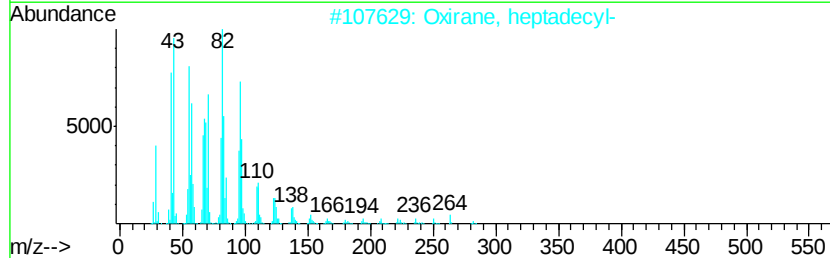
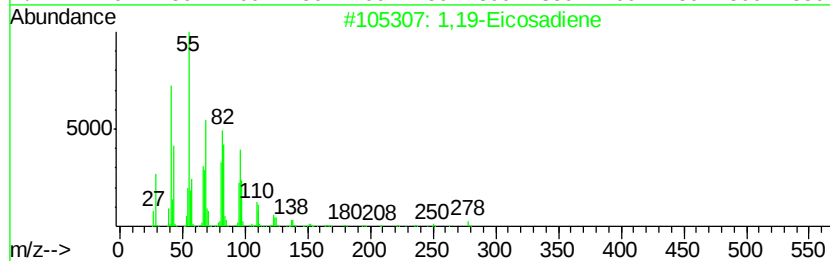
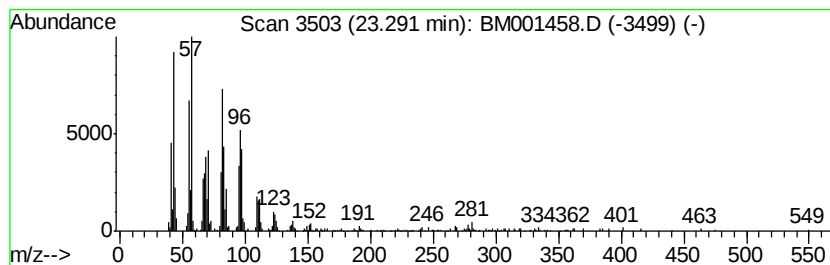
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Oxirane, heptadecyl- Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.29 | 7.22 ng/ul | 553002 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 1,19-Eicosadiene     | 278 | C20H38  | 014811-95-1 | 91   |
| 2    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91   |
| 3    |    | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0 | 91   |
| 4    |    | 1,21-Docosadiene     | 306 | C22H42  | 053057-53-7 | 91   |
| 5    |    | Octadecanal          | 268 | C18H36O | 000638-66-4 | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

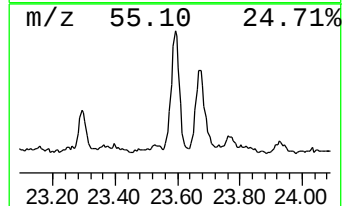
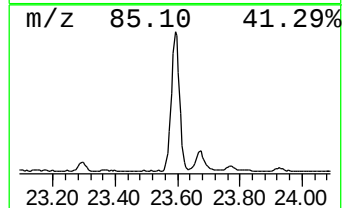
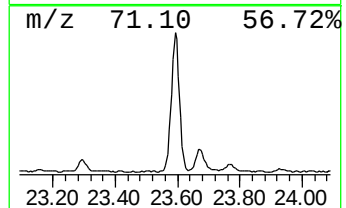
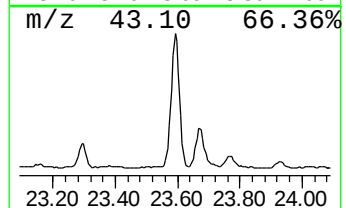
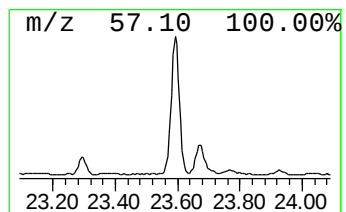
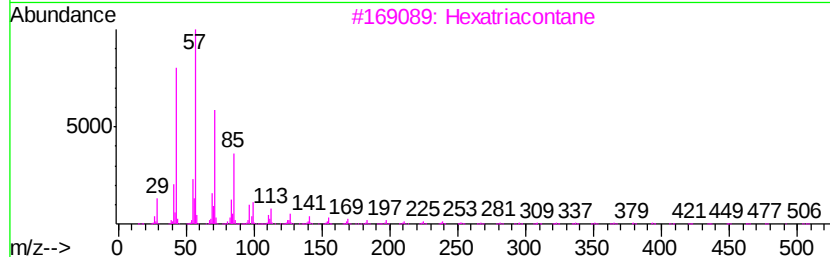
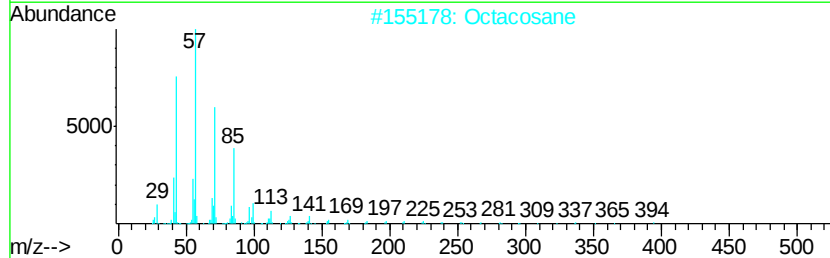
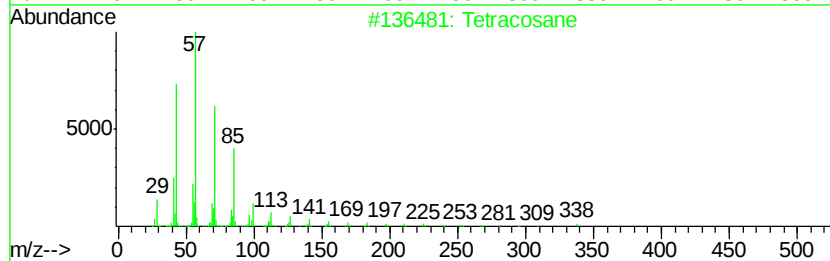
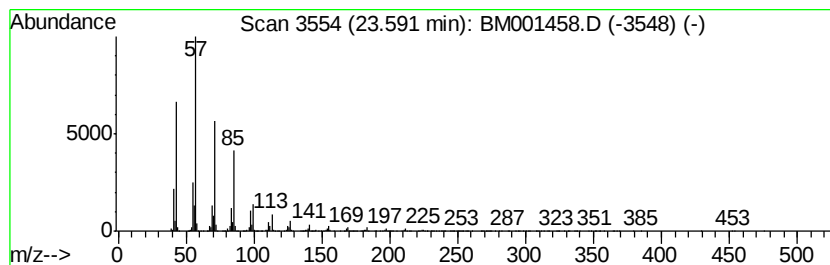
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 23.59 | 30.72 ng/ul | 2351840 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane     | 338 | C24H50  | 000646-31-1 | 95   |
| 2    |    | Octacosane      | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Hexatriacontane | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    | Heptacosane     | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Hexacosane      | 366 | C26H54  | 000630-01-3 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

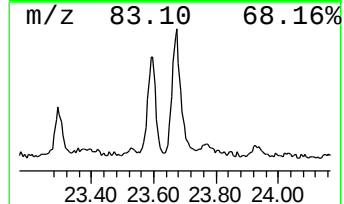
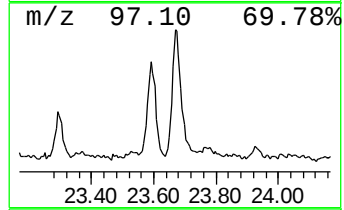
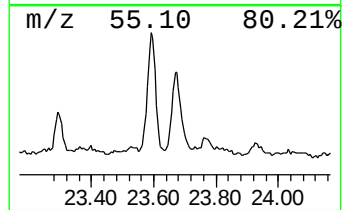
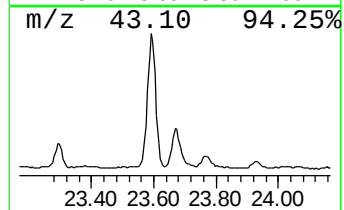
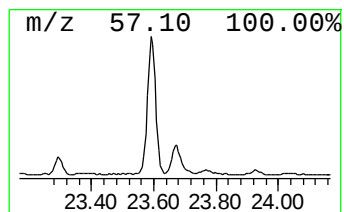
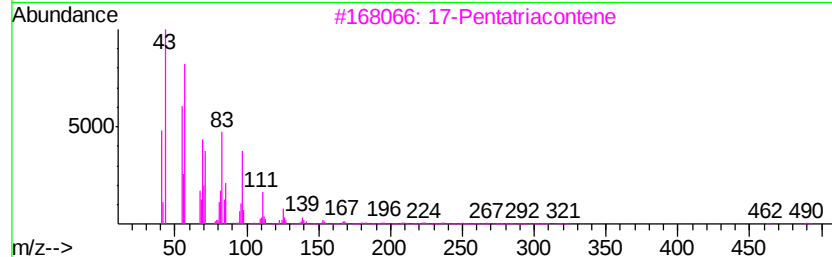
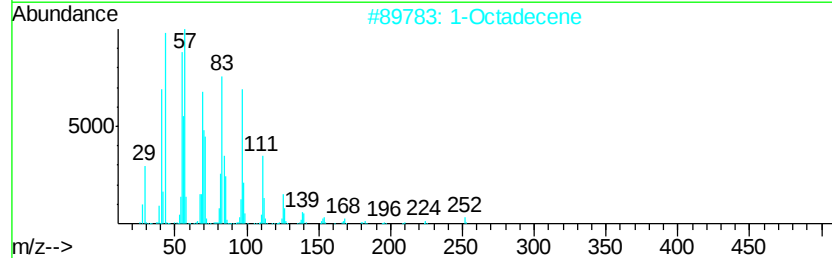
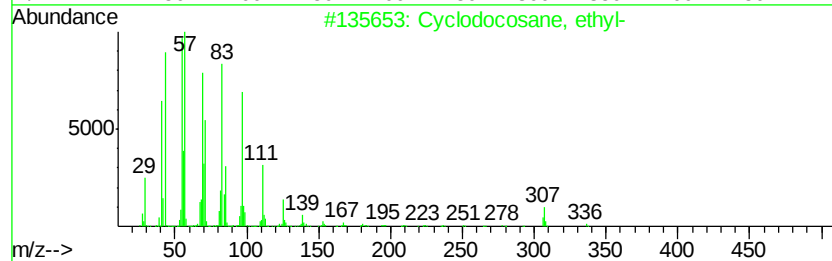
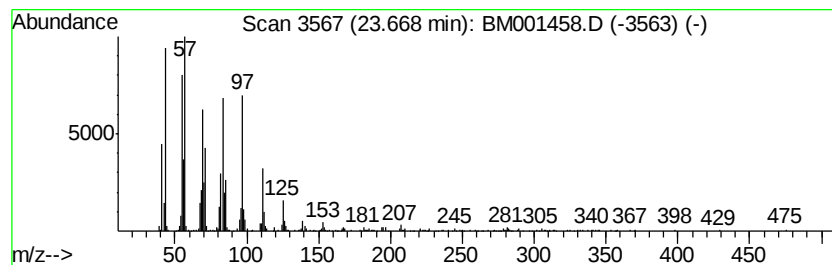
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 (DEL) Alkane: Branched-05 Concentration Rank 11

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 23.67 | 11.73 ng/ul | 898161 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cyclodocosane, ethyl-               | 336 | C24H48      | 1000151-22-6 | 91   |
| 2    |    | 1-Octadecene                        | 252 | C18H36      | 000112-88-9  | 86   |
| 3    |    | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0  | 74   |
| 4    |    | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 74   |
| 5    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 72   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

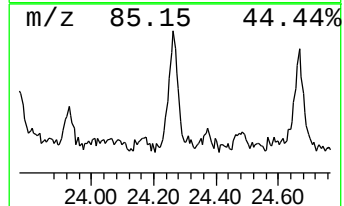
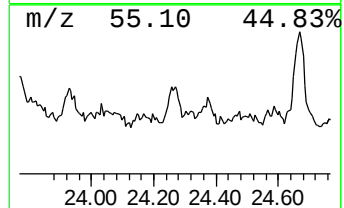
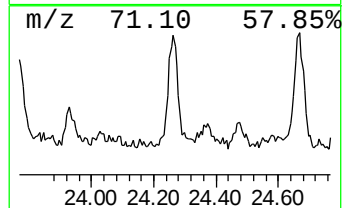
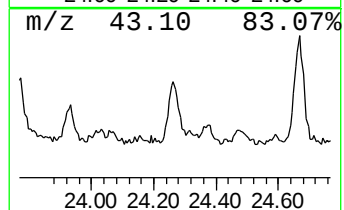
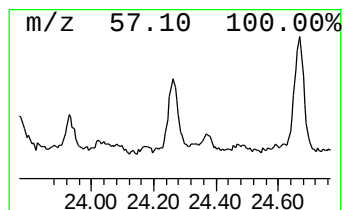
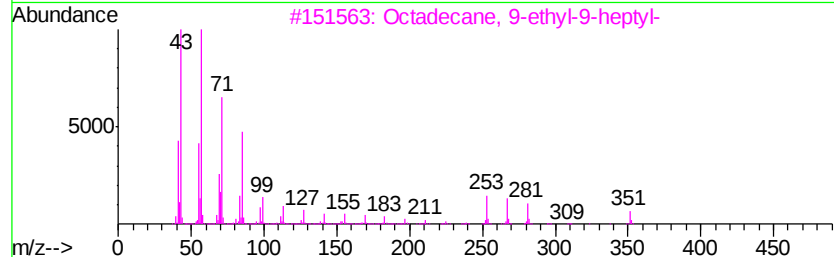
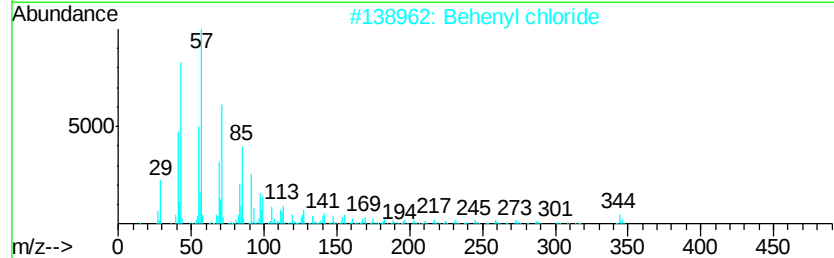
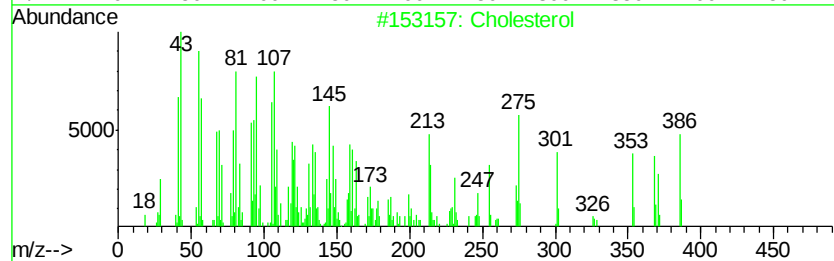
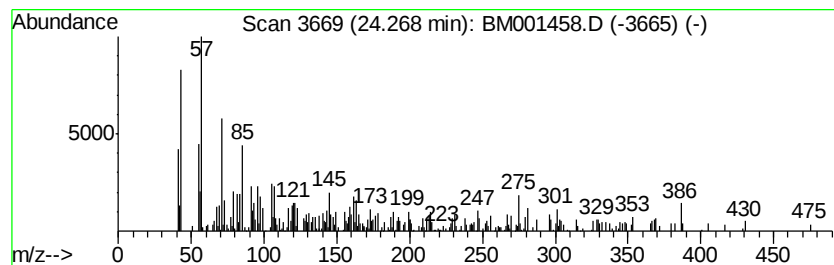
Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Cholesterol Concentration Rank 19

| R.T.    | EstConc                       | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------|--------------|------------------|----------------|
| 24.27   | 2.84 ng/ul                    | 217237       | Perylene-d12     | 23.11          |
| Hit# of | 5                             | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Cholesterol                   |              | 386 C27H46O      | 000057-88-5 90 |
| 2       | Behenyl chloride              |              | 344 C22H45Cl     | 042217-03-8 56 |
| 3       | Octadecane, 9-ethyl-9-heptyl- |              | 380 C27H56       | 055282-27-4 43 |
| 4       | Octadecane                    |              | 254 C18H38       | 000593-45-3 42 |
| 5       | Pentadecane                   |              | 212 C15H32       | 000629-62-9 42 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

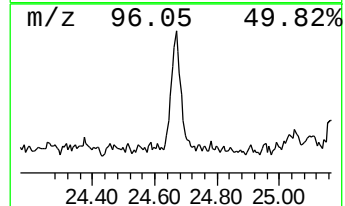
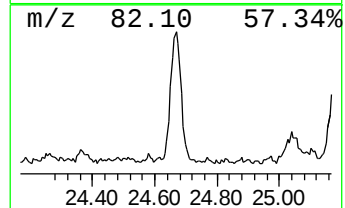
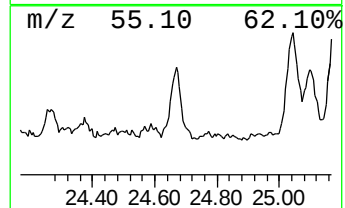
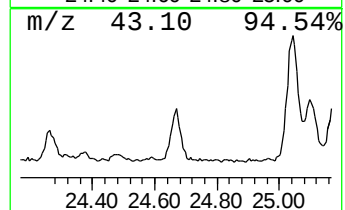
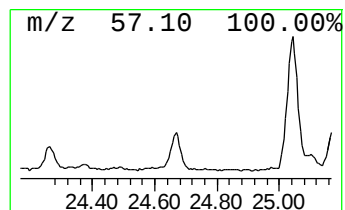
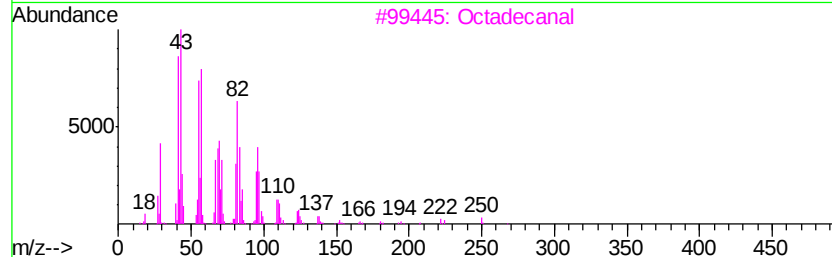
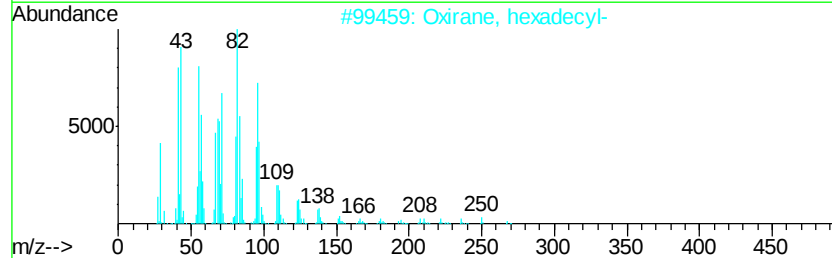
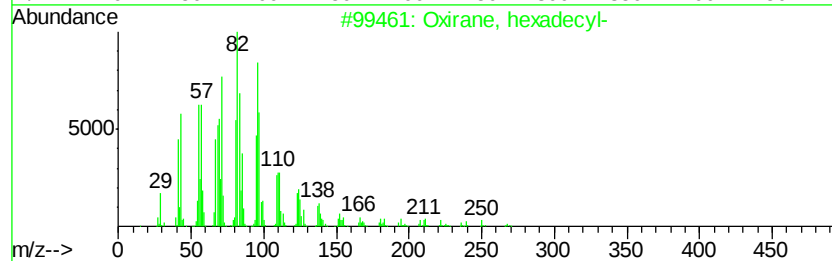
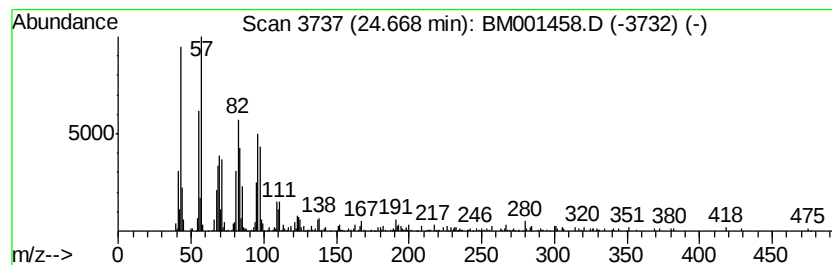
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Octadecanal Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.67 | 8.44 ng/ul | 646055 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#         | Qual |
|------|----|-----------------------------|-----|----------|--------------|------|
| 1    | 5  | Oxirane, hexadecyl-         | 268 | C18H36O  | 007390-81-0  | 90   |
| 2    |    | Oxirane, hexadecyl-         | 268 | C18H36O  | 007390-81-0  | 86   |
| 3    |    | Octadecanal                 | 268 | C18H36O  | 000638-66-4  | 81   |
| 4    |    | Octadecanal                 | 268 | C18H36O  | 000638-66-4  | 78   |
| 5    |    | E-9-Tetradecen-1-ol formate | 240 | C15H28O2 | 1000130-78-2 | 70   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

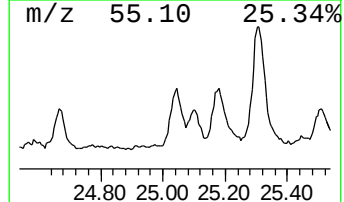
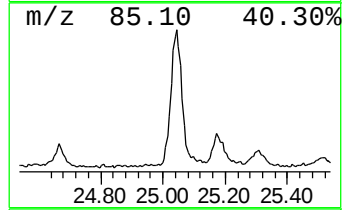
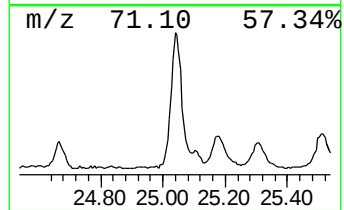
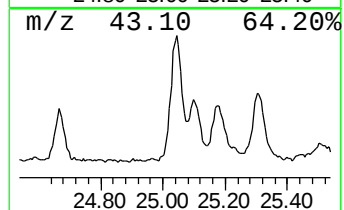
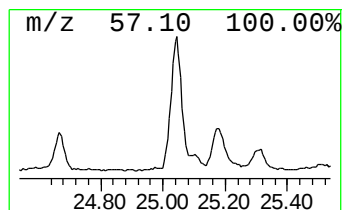
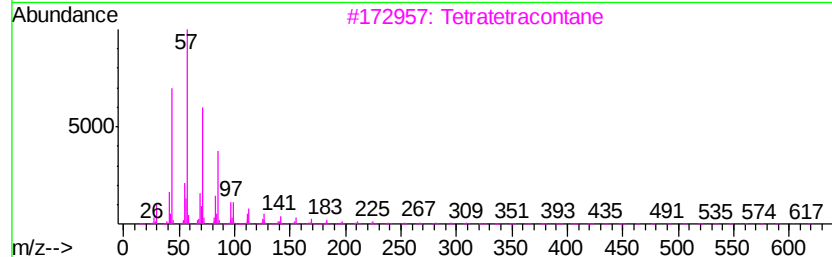
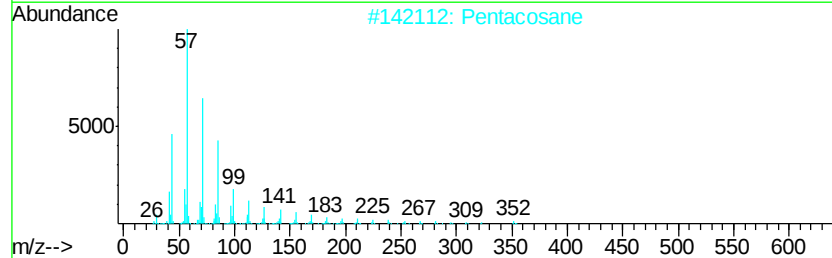
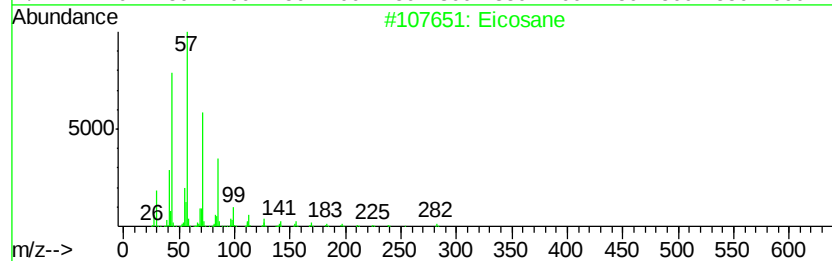
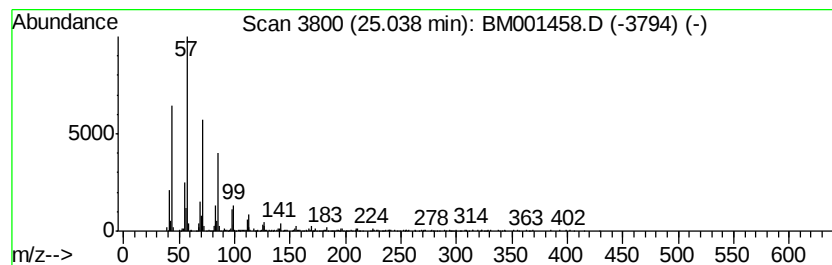
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 25.04 | 16.20 ng/ul | 1240000 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Pentacosane       | 352 | C25H52  | 000629-99-2 | 93   |
| 3    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 90   |
| 4    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Hexatriacontane   | 507 | C36H74  | 000630-06-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

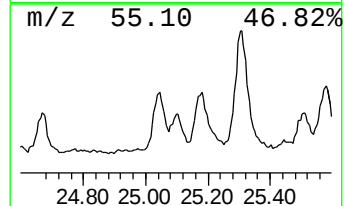
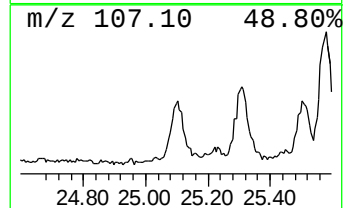
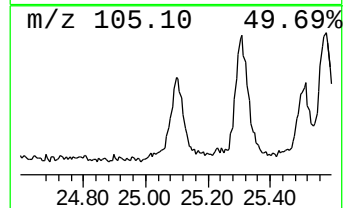
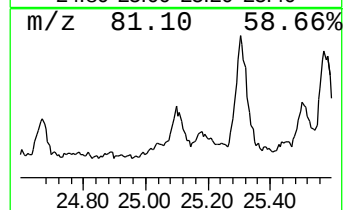
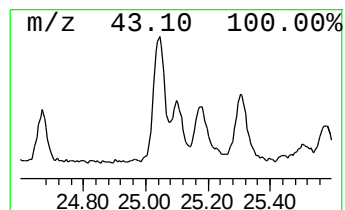
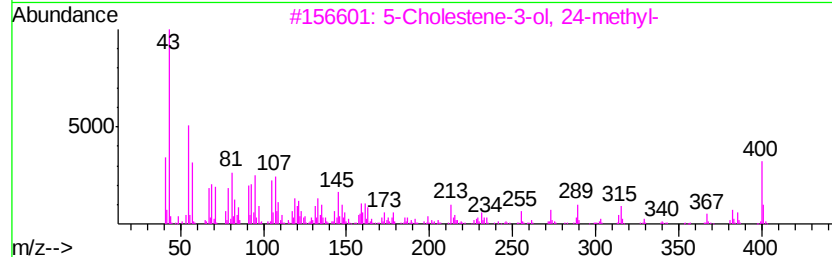
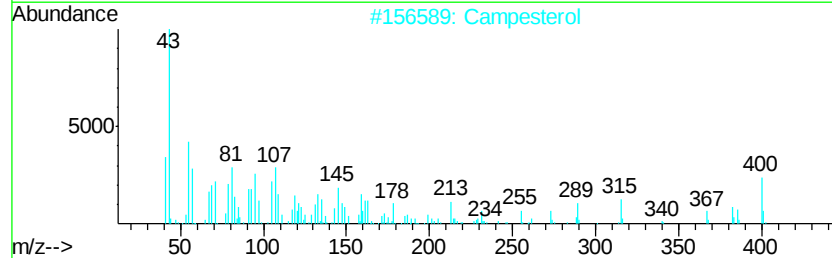
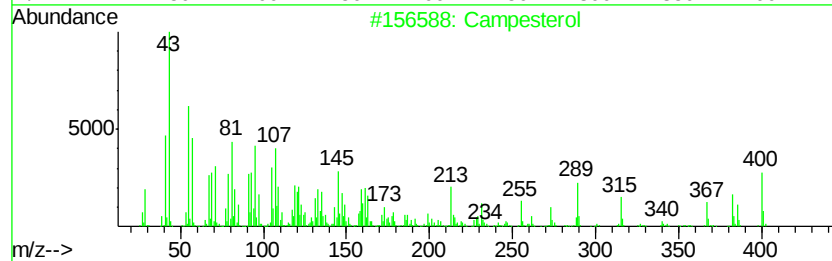
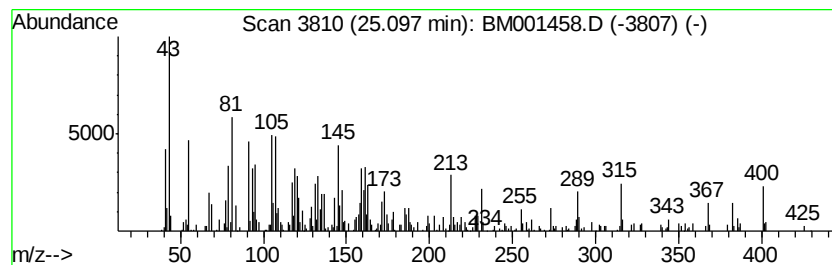
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Campesterol Concentration Rank 10

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 25.10 | 13.25 ng/ul | 1014370 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------|-----|---------|--------------|------|
| 1    | 5  | Campesterol                   | 400 | C28H48O | 000474-62-4  | 93   |
| 2    |    | Campesterol                   | 400 | C28H48O | 000474-62-4  | 90   |
| 3    |    | 5-Cholestene-3-ol, 24-methyl- | 400 | C28H48O | 1000214-17-4 | 81   |
| 4    |    | Ergost-5-en-3-ol, (3.beta.)-  | 400 | C28H48O | 004651-51-8  | 74   |
| 5    |    | Ergost-7-en-3-ol, (3.beta.)-  | 400 | C28H48O | 026047-31-4  | 70   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

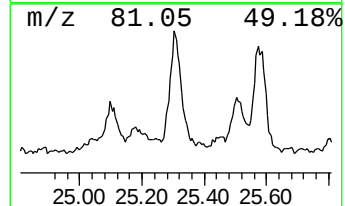
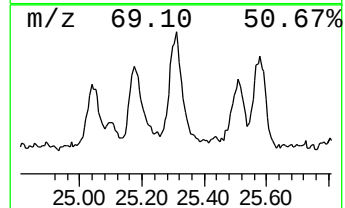
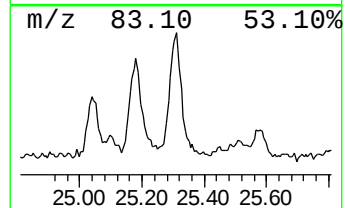
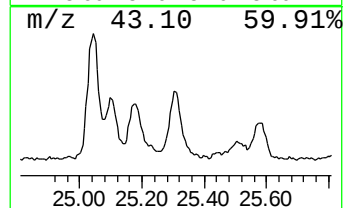
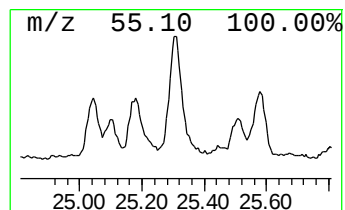
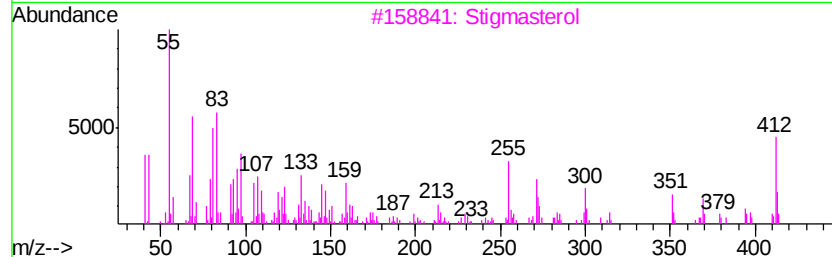
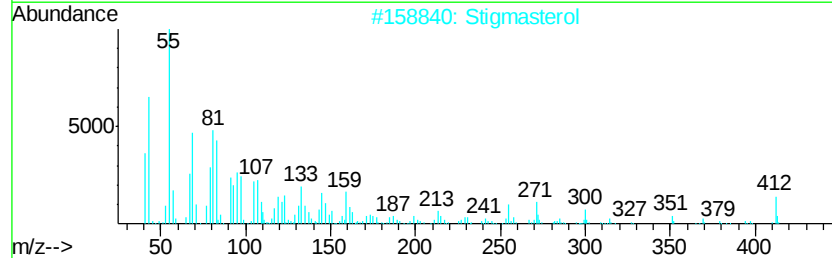
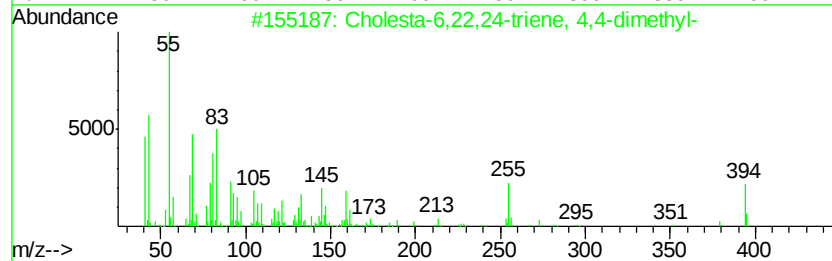
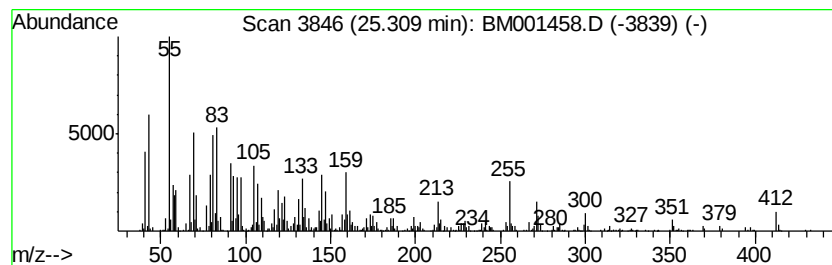
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Cholesta-6,22,24-triene, 4,... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 25.31 | 29.05 ng/ul | 2224010 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Cholesta-6,22,24-triene, 4,4-dim... | 394 | C29H46   | 1000128-66-9 | 95   |
| 2    |    | Stigmasterol                        | 412 | C29H48O  | 000083-48-7  | 95   |
| 3    |    | Stigmasterol                        | 412 | C29H48O  | 000083-48-7  | 93   |
| 4    |    | Stigmasterol                        | 412 | C29H48O  | 000083-48-7  | 83   |
| 5    |    | Stigmasta-5,22-dien-3-ol, acetat... | 454 | C31H50O2 | 004651-48-3  | 70   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

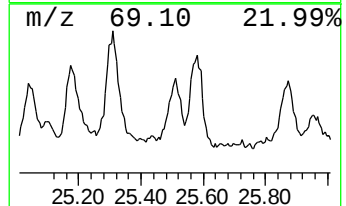
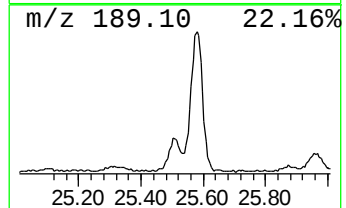
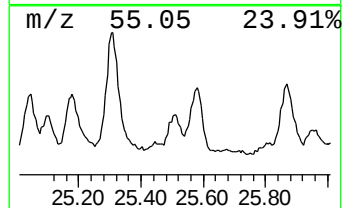
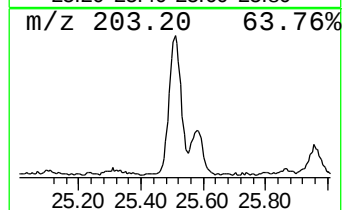
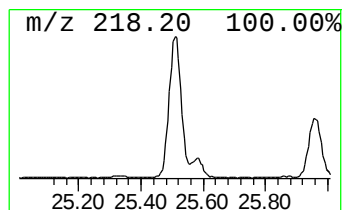
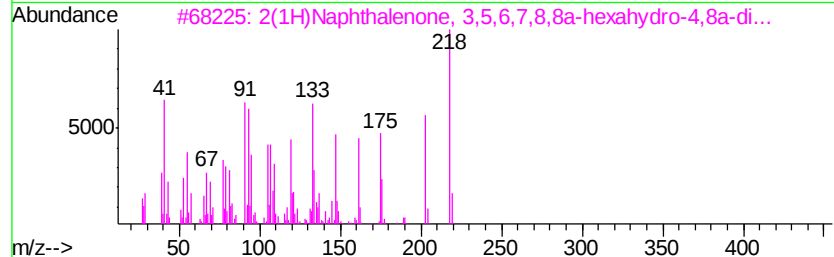
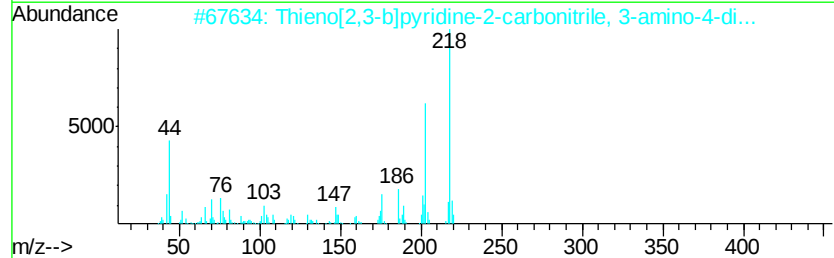
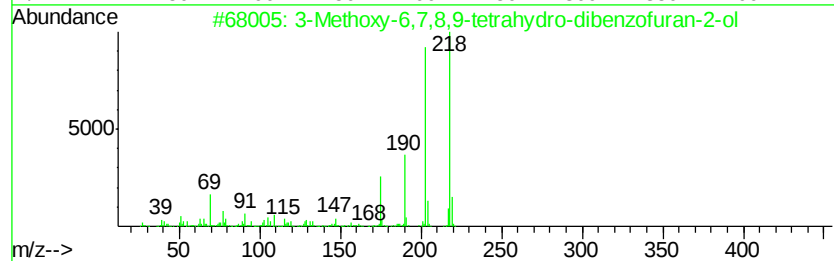
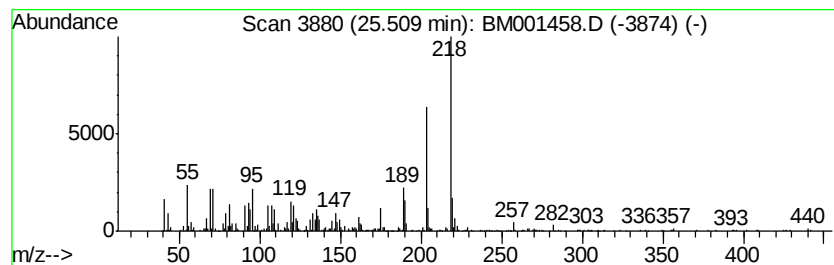
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 3-Methoxy-6,7,8,9-tetrahydr... Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 25.51 | 15.30 ng/ul | 1171040 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 3-Methoxy-6,7,8,9-tetrahydro-dib... | 218 | C13H14O3   | 1000186-57-9 | 68   |
| 2    |    | Thieno[2,3-b]pyridine-2-carbonit... | 218 | C10H10N4S  | 147992-88-9  | 64   |
| 3    |    | 2(1H)Naphthalenone, 3,5,6,7,8,8a... | 218 | C15H22O    | 1000188-66-5 | 64   |
| 4    |    | 8-Amino-6,7-dimethoxy-4-methylqu... | 218 | C12H14N2O2 | 1000213-07-2 | 64   |
| 5    |    | 2H-1-Benzopyran-2-one, 7-acetyl-... | 260 | C14H12O5   | 129812-32-4  | 59   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

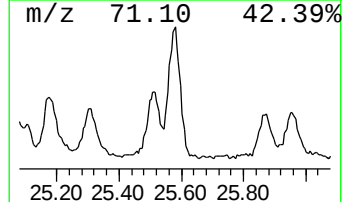
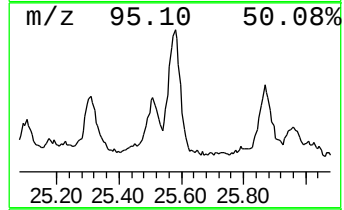
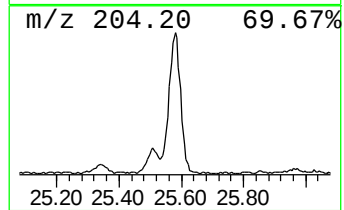
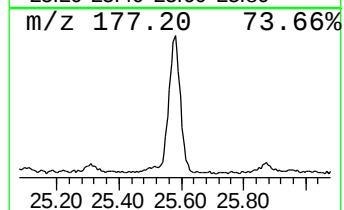
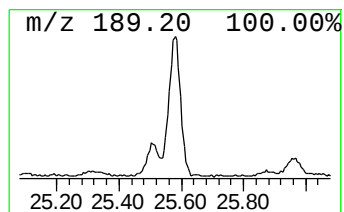
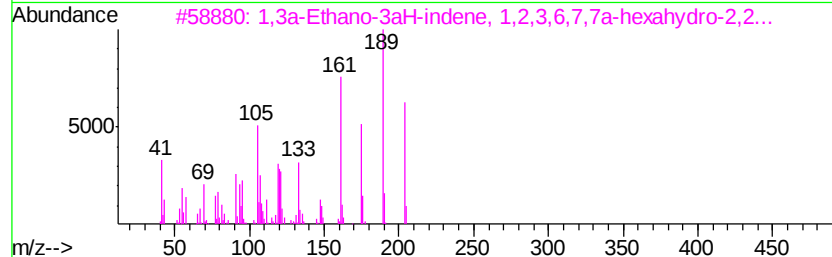
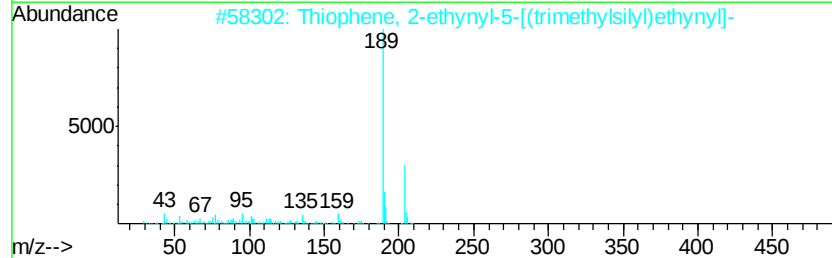
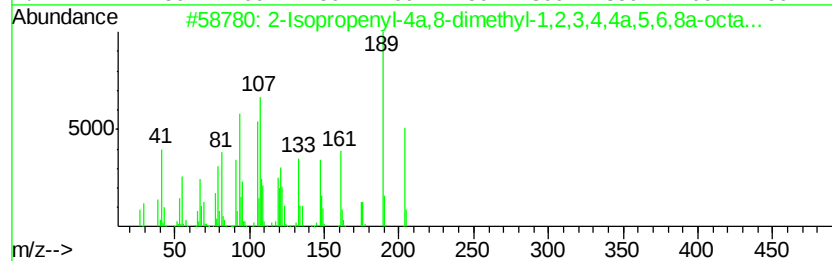
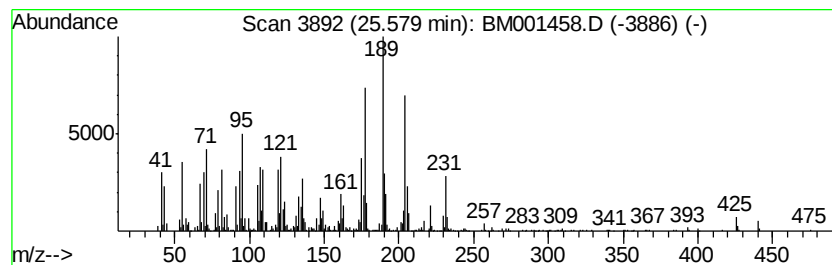
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown-01 Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 25.58 | 36.82 ng/ul | 2818910 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 2-Isopropenyl-4a,8-dimethyl-1,2,... | 204 | C15H24    | 1000193-57-0 | 49   |
| 2    |    | Thiophene, 2-ethynyl-5-[(trimeth... | 204 | C11H12SSi | 182323-29-1  | 43   |
| 3    |    | 1,3a-Ethano-3aH-indene, 1,2,3,6,... | 204 | C15H24    | 004545-68-0  | 41   |
| 4    |    | 1,3a-Ethano-3aH-indene, 1,2,3,6,... | 204 | C15H24    | 004545-68-0  | 41   |
| 5    |    | 2-Isopropenyl-4a,8-dimethyl-1,2,... | 204 | C15H24    | 1000192-43-5 | 38   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

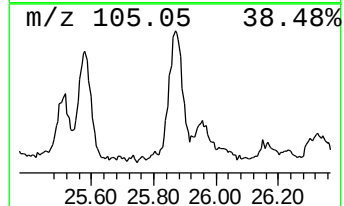
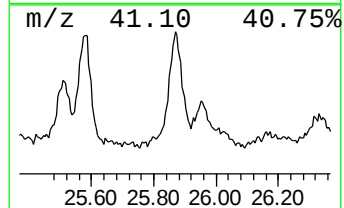
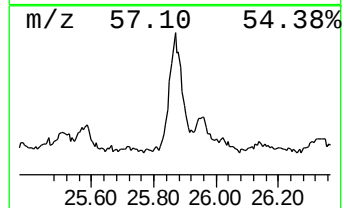
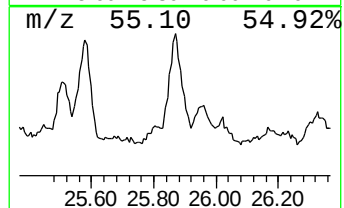
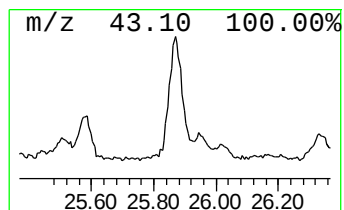
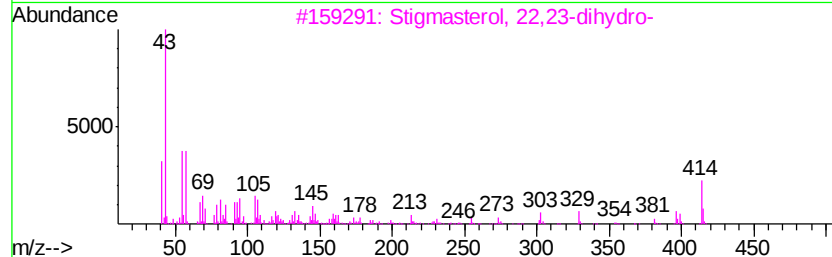
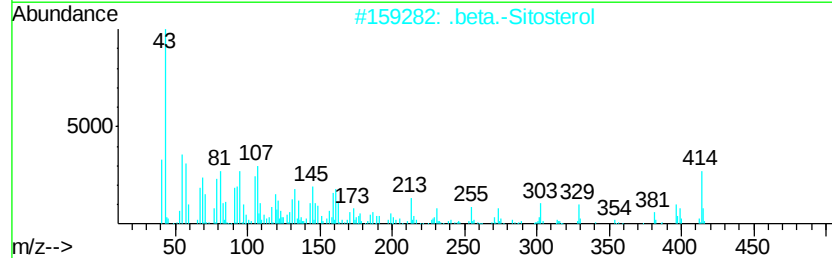
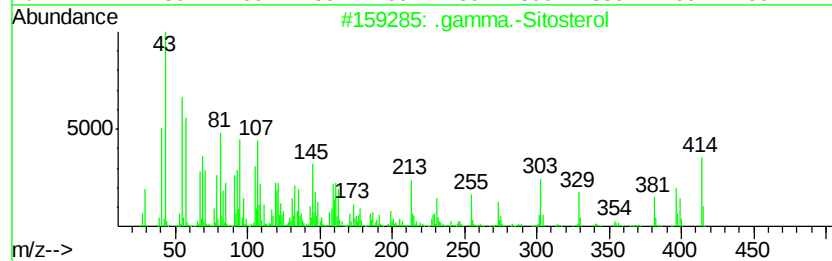
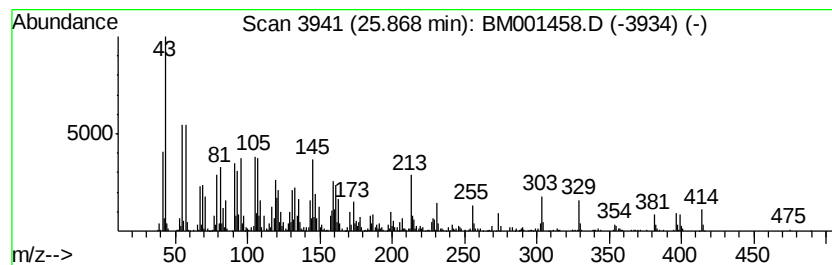
Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 21 .gamma.-Sitosterol Concentration Rank 4

| R.T.    | EstConc     | Area                         | Relative to ISTD | R.T.            |
|---------|-------------|------------------------------|------------------|-----------------|
| 25.87   | 27.69 ng/ul | 2119520                      | Perylene-d12     | 23.11           |
| Hit# of | 5           | Tentative ID                 | MW MolForm       | CAS# Qual       |
| 1       |             | .gamma.-Sitosterol           | 414 C29H50O      | 000083-47-6 99  |
| 2       |             | .beta.-Sitosterol            | 414 C29H50O      | 000083-46-5 93  |
| 3       |             | Stigmasterol, 22,23-dihydro- | 414 C29H50O      | 1000214-20-7 90 |
| 4       |             | .beta.-Sitosterol            | 414 C29H50O      | 000083-46-5 78  |
| 5       |             | .beta.-Sitosterol            | 414 C29H50O      | 000083-46-5 64  |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
Data File : BM001458.D  
Acq On : 29 May 2015 23:56  
Operator : TP/IZ  
Sample : G2411-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.M  
Quant Title : SVOA CALIBRATION

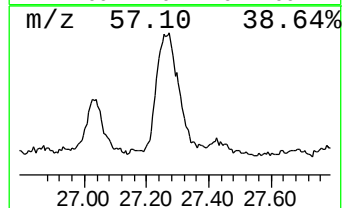
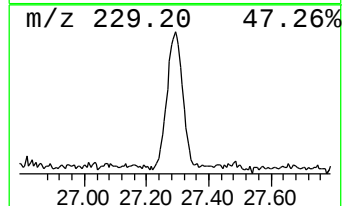
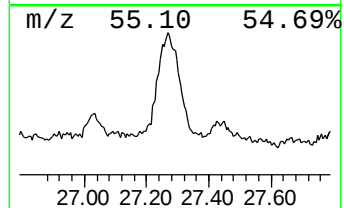
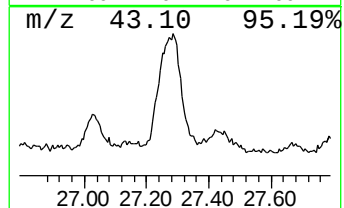
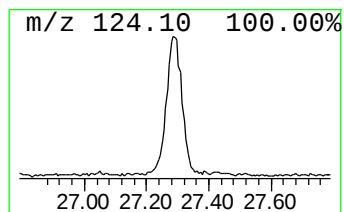
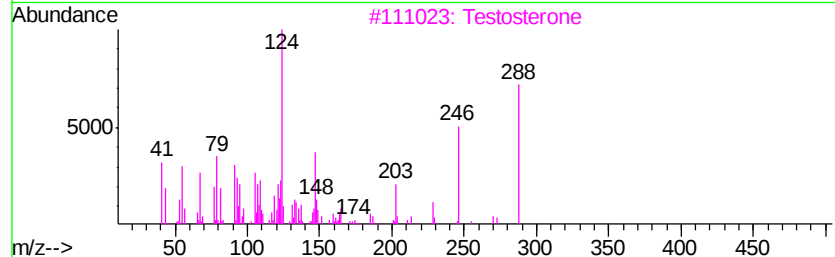
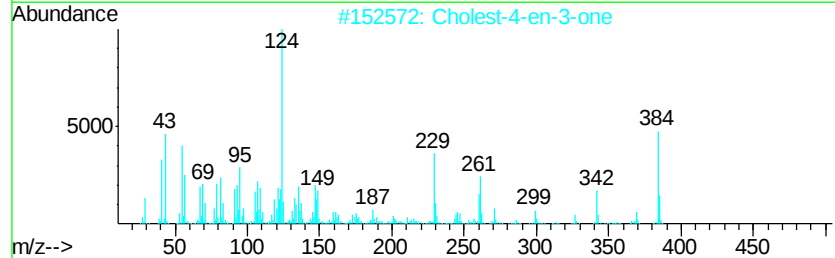
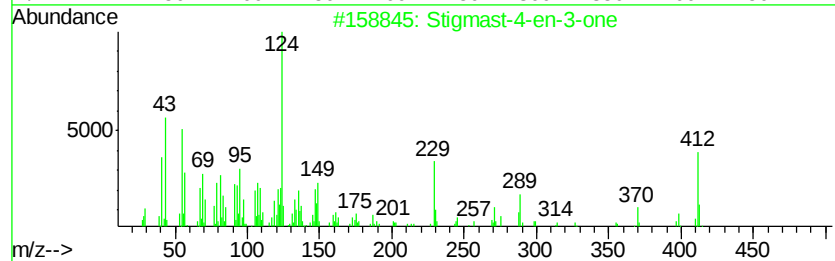
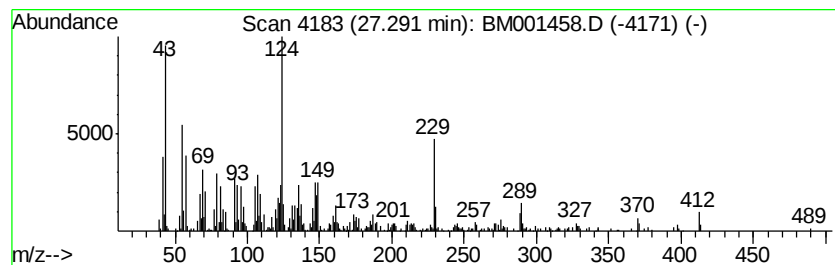
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 22 Stigmast-4-en-3-one Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 27.29 | 26.87 ng/ul | 2056630 | Perylene-d12     | 23.11 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Stigmast-4-en-3-one | 412 | C29H48O  | 001058-61-3 | 98   |
| 2    |    | Cholest-4-en-3-one  | 384 | C27H44O  | 000601-57-0 | 72   |
| 3    |    | Testosterone        | 288 | C19H28O2 | 000058-22-0 | 64   |
| 4    |    | Cholest-4-en-3-one  | 384 | C27H44O  | 000601-57-0 | 64   |
| 5    |    | Testosterone        | 288 | C19H28O2 | 000058-22-0 | 64   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052915\  
 Data File : BM001458.D  
 Acq On : 29 May 2015 23:56  
 Operator : TP/IZ  
 Sample : G2411-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BCRC1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052915.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 |
| 3-Butyn-2-ol, 2-m... | 3.80  | 2.5     | ng/ul | 101339   | 1                     | 7.38  | 798070  | 20.0 |
| Ethanol, 2-(2-met... | 5.90  | 2.0     | ng/ul | 80802    | 1                     | 7.38  | 798070  | 20.0 |
| Dodecanoic acid      | 14.52 | 2.9     | ng/ul | 231351   | 3                     | 14.07 | 1622410 | 20.0 |
| n-Hexadecanoic acid  | 17.74 | 8.9     | ng/ul | 814116   | 4                     | 16.82 | 1835930 | 20.0 |
| Octadecanoic acid    | 19.03 | 3.2     | ng/ul | 358335   | 5                     | 21.02 | 2208760 | 20.0 |
| (DEL) Alkane: Bra... | 19.76 | 2.0     | ng/ul | 223904   | 5                     | 21.02 | 2208760 | 20.0 |
| (DEL) Alkane: Bra... | 20.75 | 14.6    | ng/ul | 1608350  | 5                     | 21.02 | 2208760 | 20.0 |
| (DEL) Alkane: Bra... | 21.62 | 8.7     | ng/ul | 963985   | 5                     | 21.02 | 2208760 | 20.0 |
| Squalene             | 22.15 | 3.0     | ng/ul | 230493   | 6                     | 23.11 | 1531080 | 20.0 |
| 1,19-Eicosadiene     | 22.24 | 18.0    | ng/ul | 1377830  | 6                     | 23.11 | 1531080 | 20.0 |
| Oxirane, heptadecyl- | 23.29 | 7.2     | ng/ul | 553002   | 6                     | 23.11 | 1531080 | 20.0 |
| (DEL) Alkane: Str... | 23.59 | 30.7    | ng/ul | 2351840  | 6                     | 23.11 | 1531080 | 20.0 |
| (DEL) Alkane: Bra... | 23.67 | 11.7    | ng/ul | 898161   | 6                     | 23.11 | 1531080 | 20.0 |
| Cholesterol          | 24.27 | 2.8     | ng/ul | 217237   | 6                     | 23.11 | 1531080 | 20.0 |
| Octadecanal          | 24.67 | 8.4     | ng/ul | 646055   | 6                     | 23.11 | 1531080 | 20.0 |
| (DEL) Alkane: Str... | 25.04 | 16.2    | ng/ul | 1240000  | 6                     | 23.11 | 1531080 | 20.0 |
| Campesterol          | 25.10 | 13.3    | ng/ul | 1014370  | 6                     | 23.11 | 1531080 | 20.0 |
| Cholesta-6,22,24-... | 25.31 | 29.1    | ng/ul | 2224010  | 6                     | 23.11 | 1531080 | 20.0 |
| 3-Methoxy-6,7,8,9... | 25.51 | 15.3    | ng/ul | 1171040  | 6                     | 23.11 | 1531080 | 20.0 |
| unknown-01           | 25.58 | 36.8    | ng/ul | 2818910  | 6                     | 23.11 | 1531080 | 20.0 |
| .gamma.-Sitosterol   | 25.87 | 27.7    | ng/ul | 2119520  | 6                     | 23.11 | 1531080 | 20.0 |
| Stigmast-4-en-3-one  | 27.29 | 26.9    | ng/ul | 2056630  | 6                     | 23.11 | 1531080 | 20.0 |