

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
 Data File : BM024740.D  
 Acq On : 06 Feb 2020 22:39  
 Operator : CG/JU  
 Sample : L1398-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6E0

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.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         | 3.716       | 136           | 141         | 148          | rVB      | 152272         | 203977        | 3.04%           | 0.197%        |
| 2         | 3.934       | 174           | 178         | 183          | rVV      | 55145          | 70560         | 1.05%           | 0.068%        |
| 3         | 6.604       | 626           | 632         | 646          | rVB      | 737410         | 1149777       | 17.14%          | 1.109%        |
| 4         | 6.757       | 653           | 658         | 666          | rBV      | 581058         | 904036        | 13.48%          | 0.872%        |
| 5         | 6.951       | 684           | 691         | 701          | rBV      | 818274         | 1294029       | 19.29%          | 1.248%        |
| 6         | 7.410       | 762           | 769         | 780          | rBV      | 1057865        | 1648282       | 24.57%          | 1.590%        |
| 7         | 8.122       | 883           | 890         | 904          | rBV      | 937047         | 1488834       | 22.19%          | 1.436%        |
| 8         | 8.545       | 950           | 962         | 975          | rBV      | 744268         | 1192990       | 17.78%          | 1.151%        |
| 9         | 8.739       | 987           | 995         | 999          | rBV2     | 66840          | 102890        | 1.53%           | 0.099%        |
| 10        | 9.045       | 1041          | 1047        | 1052         | rBV2     | 74965          | 110281        | 1.64%           | 0.106%        |
| 11        | 9.263       | 1077          | 1084        | 1094         | rBV      | 642717         | 1051892       | 15.68%          | 1.014%        |
| 12        | 9.798       | 1169          | 1175        | 1186         | rVV      | 1060825        | 1730999       | 25.80%          | 1.669%        |
| 13        | 10.169      | 1231          | 1238        | 1243         | rBV      | 1416751        | 2360524       | 35.19%          | 2.277%        |
| 14        | 10.216      | 1243          | 1246        | 1252         | rVB      | 72675          | 111803        | 1.67%           | 0.108%        |
| 15        | 10.310      | 1255          | 1262        | 1280         | rBV      | 796576         | 1433992       | 21.38%          | 1.383%        |
| 16        | 11.845      | 1517          | 1523        | 1531         | rVB      | 55373          | 94679         | 1.41%           | 0.091%        |
| 17        | 12.063      | 1556          | 1560        | 1569         | rVB2     | 45282          | 71773         | 1.07%           | 0.069%        |
| 18        | 13.380      | 1779          | 1784        | 1789         | rVV2     | 59215          | 99483         | 1.48%           | 0.096%        |
| 19        | 13.433      | 1789          | 1793        | 1796         | rVV2     | 40864          | 58935         | 0.88%           | 0.057%        |
| 20        | 13.486      | 1796          | 1802        | 1807         | rVV      | 1969861        | 2659145       | 39.64%          | 2.565%        |
| 21        | 13.533      | 1807          | 1810        | 1816         | rVV      | 144723         | 193148        | 2.88%           | 0.186%        |
| 22        | 13.621      | 1817          | 1825        | 1828         | rVV2     | 38345          | 75391         | 1.12%           | 0.073%        |
| 23        | 13.745      | 1838          | 1846        | 1859         | rBV      | 2222273        | 3352946       | 49.98%          | 3.234%        |
| 24        | 14.063      | 1894          | 1900        | 1906         | rVV      | 2333378        | 3383454       | 50.44%          | 3.263%        |
| 25        | 14.127      | 1906          | 1911        | 1920         | rVV      | 143196         | 231464        | 3.45%           | 0.223%        |
| 26        | 14.286      | 1932          | 1938        | 1950         | rBV      | 582949         | 1032424       | 15.39%          | 0.996%        |
| 27        | 14.468      | 1964          | 1969        | 1975         | rBV2     | 93185          | 164970        | 2.46%           | 0.159%        |
| 28        | 14.551      | 1979          | 1983        | 1991         | rVB      | 40850          | 67864         | 1.01%           | 0.065%        |
| 29        | 15.063      | 2064          | 2070        | 2076         | rBV      | 2851274        | 4027577       | 60.04%          | 3.884%        |
| 30        | 15.121      | 2076          | 2080        | 2085         | rVB      | 170283         | 235964        | 3.52%           | 0.228%        |
| 31        | 15.192      | 2085          | 2092        | 2099         | rBV      | 829783         | 1190116       | 17.74%          | 1.148%        |
| 32        | 15.421      | 2127          | 2131        | 2142         | rVB2     | 62926          | 109366        | 1.63%           | 0.105%        |
| 33        | 15.568      | 2152          | 2156        | 2164         | rVB      | 50322          | 108368        | 1.62%           | 0.105%        |
| 34        | 15.798      | 2191          | 2195        | 2200         | rVV7     | 26383          | 60426         | 0.90%           | 0.058%        |

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 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 16.133 | 2243 | 2252 | 2257 | rBV4 | 49232   | 117941  | 1.76%  | 0.114% |
| 36 | 16.180 | 2257 | 2260 | 2266 | rVB4 | 41415   | 61776   | 0.92%  | 0.060% |
| 37 | 16.474 | 2305 | 2310 | 2318 | rVB  | 84379   | 163345  | 2.43%  | 0.158% |
| 38 | 16.562 | 2320 | 2325 | 2330 | rBV4 | 50059   | 104111  | 1.55%  | 0.100% |
| 39 | 16.633 | 2333 | 2337 | 2342 | rVB  | 123952  | 160337  | 2.39%  | 0.155% |
| 40 | 16.815 | 2357 | 2368 | 2372 | rBV  | 2780005 | 3970414 | 59.18% | 3.829% |
| 41 | 16.857 | 2372 | 2375 | 2380 | rVV  | 1979604 | 2593854 | 38.67% | 2.502% |
| 42 | 16.915 | 2380 | 2385 | 2389 | rVV  | 3092780 | 4270380 | 63.66% | 4.118% |
| 43 | 16.945 | 2389 | 2390 | 2398 | rVB  | 402485  | 450368  | 6.71%  | 0.434% |
| 44 | 17.021 | 2398 | 2403 | 2408 | rVB2 | 37371   | 64935   | 0.97%  | 0.063% |
| 45 | 17.139 | 2420 | 2423 | 2427 | rVB  | 46684   | 55759   | 0.83%  | 0.054% |
| 46 | 17.221 | 2433 | 2437 | 2443 | rBV  | 128855  | 212926  | 3.17%  | 0.205% |
| 47 | 17.398 | 2464 | 2467 | 2472 | rVB3 | 62731   | 77669   | 1.16%  | 0.075% |
| 48 | 17.539 | 2488 | 2491 | 2496 | rVB2 | 43271   | 67047   | 1.00%  | 0.065% |
| 49 | 17.692 | 2512 | 2517 | 2521 | rVV  | 293726  | 443695  | 6.61%  | 0.428% |
| 50 | 17.739 | 2521 | 2525 | 2533 | rVB  | 431917  | 615737  | 9.18%  | 0.594% |
| 51 | 17.821 | 2535 | 2539 | 2544 | rBV  | 150796  | 206408  | 3.08%  | 0.199% |
| 52 | 17.886 | 2544 | 2550 | 2554 | rVV2 | 419031  | 740900  | 11.04% | 0.715% |
| 53 | 17.921 | 2554 | 2556 | 2561 | rVB  | 226184  | 278825  | 4.16%  | 0.269% |
| 54 | 18.204 | 2600 | 2604 | 2607 | rBV  | 242830  | 323480  | 4.82%  | 0.312% |
| 55 | 18.233 | 2607 | 2609 | 2616 | rVB3 | 121532  | 178815  | 2.67%  | 0.172% |
| 56 | 18.456 | 2643 | 2647 | 2652 | rBV2 | 76905   | 137095  | 2.04%  | 0.132% |
| 57 | 18.503 | 2652 | 2655 | 2658 | rVV  | 78850   | 98347   | 1.47%  | 0.095% |
| 58 | 18.545 | 2659 | 2662 | 2666 | rVB  | 81175   | 100543  | 1.50%  | 0.097% |
| 59 | 18.627 | 2671 | 2676 | 2681 | rBV  | 242541  | 383001  | 5.71%  | 0.369% |
| 60 | 18.686 | 2682 | 2686 | 2688 | rBV3 | 83740   | 123222  | 1.84%  | 0.119% |
| 61 | 18.762 | 2695 | 2699 | 2707 | rVB3 | 147900  | 270839  | 4.04%  | 0.261% |
| 62 | 18.886 | 2715 | 2720 | 2726 | rVB  | 3241789 | 4177550 | 62.27% | 4.029% |
| 63 | 18.968 | 2730 | 2734 | 2736 | rBV  | 61844   | 79782   | 1.19%  | 0.077% |
| 64 | 19.127 | 2759 | 2761 | 2767 | rVB2 | 81684   | 120510  | 1.80%  | 0.116% |
| 65 | 19.221 | 2771 | 2777 | 2780 | rVV  | 4089224 | 6104975 | 91.00% | 5.888% |
| 66 | 19.251 | 2780 | 2782 | 2787 | rVV  | 2843413 | 3115906 | 46.45% | 3.005% |
| 67 | 19.292 | 2787 | 2789 | 2792 | rVV3 | 108349  | 125256  | 1.87%  | 0.121% |
| 68 | 19.327 | 2792 | 2795 | 2804 | rVB2 | 125120  | 257980  | 3.85%  | 0.249% |
| 69 | 19.439 | 2810 | 2814 | 2817 | rBV  | 151258  | 188161  | 2.80%  | 0.181% |
| 70 | 19.592 | 2833 | 2840 | 2844 | rBV2 | 240835  | 547409  | 8.16%  | 0.528% |
| 71 | 19.721 | 2858 | 2862 | 2865 | rBV4 | 167388  | 303263  | 4.52%  | 0.292% |

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|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 19.756 | 2865 | 2868 | 2872 | rVB  | 393008  | 506269  | 7.55%   | 0.488% |
| 73  | 19.833 | 2878 | 2881 | 2882 | rBV  | 96612   | 88273   | 1.32%   | 0.085% |
| 74  | 19.856 | 2883 | 2885 | 2889 | rVB2 | 232303  | 248765  | 3.71%   | 0.240% |
| 75  | 19.915 | 2890 | 2895 | 2899 | rBV2 | 312420  | 484426  | 7.22%   | 0.467% |
| 76  | 20.056 | 2915 | 2919 | 2923 | rBV  | 182200  | 230546  | 3.44%   | 0.222% |
| 77  | 20.098 | 2923 | 2926 | 2931 | rBV  | 185372  | 247863  | 3.69%   | 0.239% |
| 78  | 20.503 | 2992 | 2995 | 3002 | rVB  | 236162  | 360216  | 5.37%   | 0.347% |
| 79  | 20.715 | 3028 | 3031 | 3034 | rVB  | 195915  | 213347  | 3.18%   | 0.206% |
| 80  | 20.745 | 3034 | 3036 | 3039 | rVB  | 169479  | 158914  | 2.37%   | 0.153% |
| 81  | 20.786 | 3039 | 3043 | 3054 | rVB3 | 1156713 | 1868642 | 27.85%  | 1.802% |
| 82  | 21.027 | 3077 | 3084 | 3088 | rBV2 | 3716611 | 6708524 | 100.00% | 6.470% |
| 83  | 21.062 | 3088 | 3090 | 3098 | rVB  | 1591591 | 1818590 | 27.11%  | 1.754% |
| 84  | 21.180 | 3107 | 3110 | 3115 | rBV  | 197810  | 261780  | 3.90%   | 0.252% |
| 85  | 21.233 | 3116 | 3119 | 3125 | rVV4 | 291991  | 385931  | 5.75%   | 0.372% |
| 86  | 21.656 | 3187 | 3191 | 3197 | rBV4 | 606921  | 972169  | 14.49%  | 0.938% |
| 87  | 22.092 | 3262 | 3265 | 3269 | rVB  | 326760  | 340338  | 5.07%   | 0.328% |
| 88  | 22.297 | 3296 | 3300 | 3307 | rVB  | 896293  | 1205747 | 17.97%  | 1.163% |
| 89  | 22.515 | 3332 | 3337 | 3341 | rBV  | 1358249 | 2668363 | 39.78%  | 2.573% |
| 90  | 22.562 | 3342 | 3345 | 3348 | rVV2 | 1130200 | 1791797 | 26.71%  | 1.728% |
| 91  | 22.597 | 3348 | 3351 | 3360 | rVB2 | 1861512 | 2967407 | 44.23%  | 2.862% |
| 92  | 22.956 | 3408 | 3412 | 3415 | rBV  | 587292  | 900567  | 13.42%  | 0.869% |
| 93  | 23.003 | 3415 | 3420 | 3424 | rVV  | 2625241 | 4199408 | 62.60%  | 4.050% |
| 94  | 23.044 | 3424 | 3427 | 3431 | rVB  | 941427  | 1301471 | 19.40%  | 1.255% |
| 95  | 23.091 | 3432 | 3435 | 3437 | rBV  | 349411  | 417563  | 6.22%   | 0.403% |
| 96  | 23.133 | 3437 | 3442 | 3447 | rVB  | 2184953 | 3392540 | 50.57%  | 3.272% |
| 97  | 23.374 | 3480 | 3483 | 3490 | rVB4 | 389423  | 542020  | 8.08%   | 0.523% |
| 98  | 23.686 | 3532 | 3536 | 3542 | rVB  | 965515  | 1580457 | 23.56%  | 1.524% |
| 99  | 23.756 | 3543 | 3548 | 3561 | rVB2 | 781810  | 1548502 | 23.08%  | 1.493% |
| 100 | 25.180 | 3783 | 3790 | 3800 | rVB2 | 1025627 | 2913041 | 43.42%  | 2.809% |

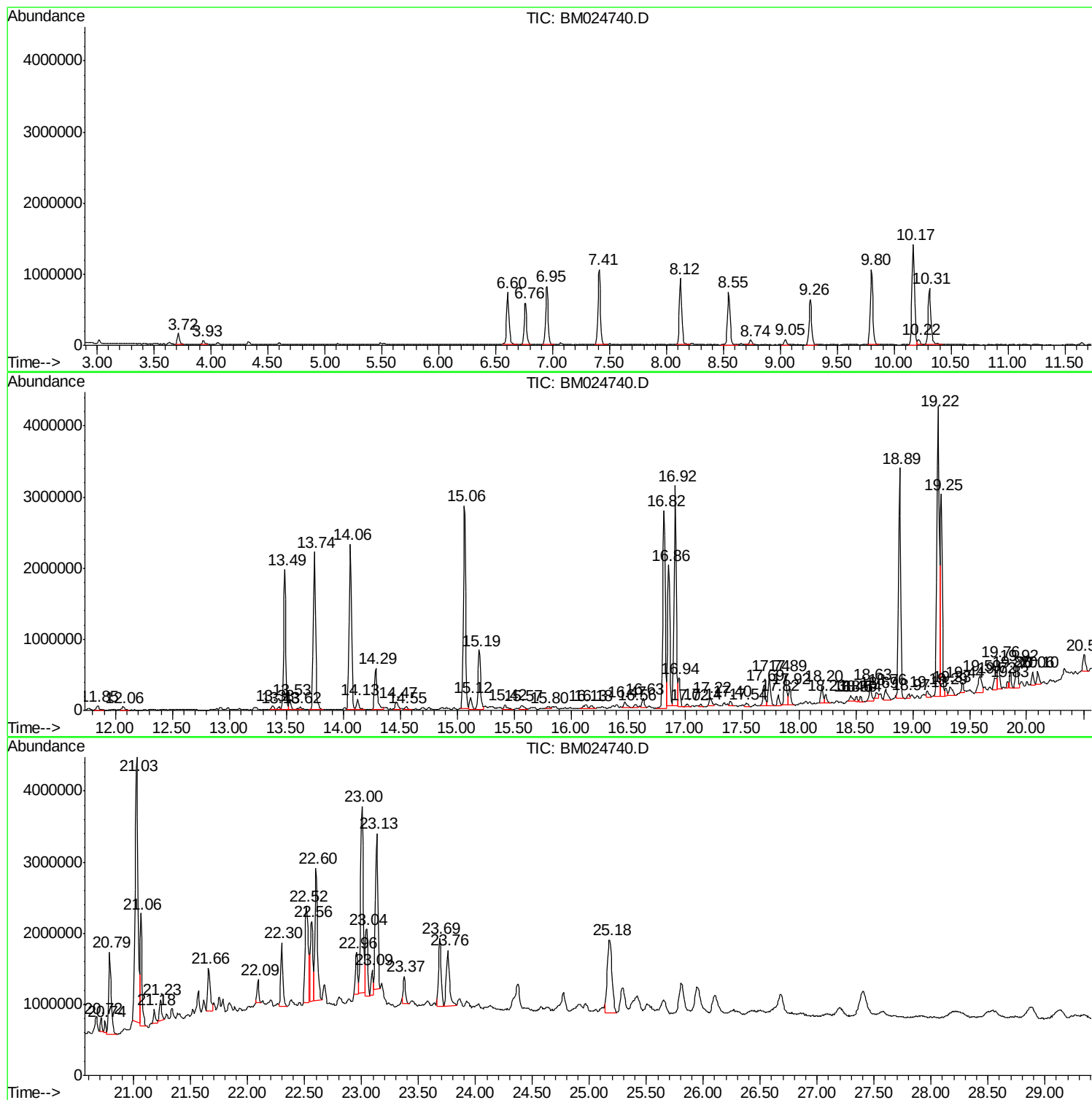
Sum of corrected areas: 103688396

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

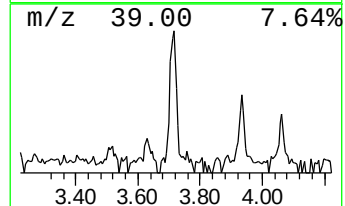
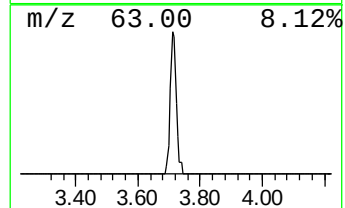
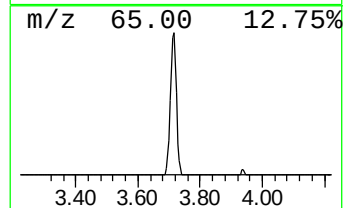
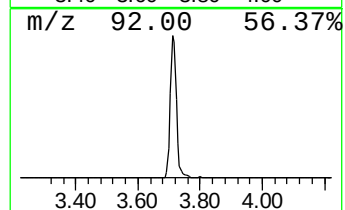
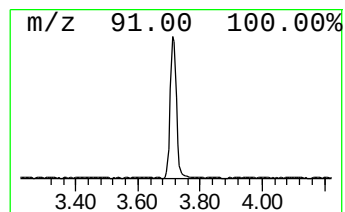
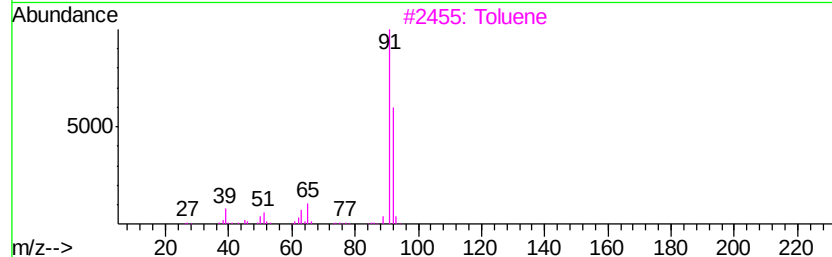
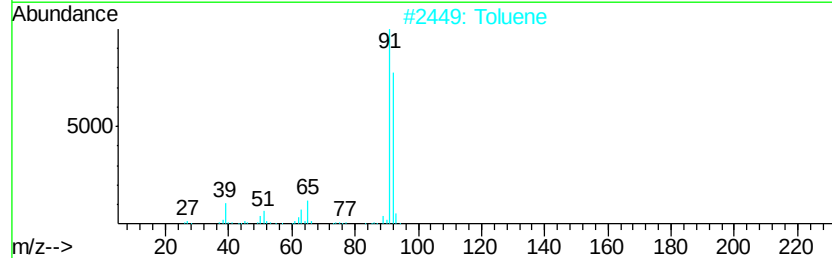
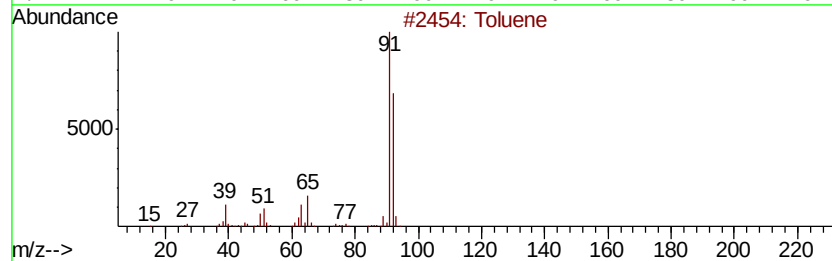
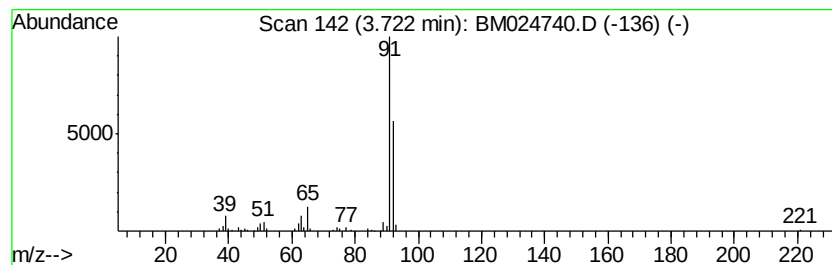
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Toluene Concentration Rank 9

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.72 | 2.48 ng/ul | 203977 | 1,4-Dichlorobenzene-d4 | 7.41 |

| Hit# | of | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|--------------|----|---------|-------------|------|
| 1    | 5  | Toluene      | 92 | C7H8    | 000108-88-3 | 94   |
| 2    |    | Toluene      | 92 | C7H8    | 000108-88-3 | 91   |
| 3    |    | Toluene      | 92 | C7H8    | 000108-88-3 | 90   |
| 4    |    | Toluene      | 92 | C7H8    | 000108-88-3 | 87   |
| 5    |    | Toluene      | 92 | C7H8    | 000108-88-3 | 87   |



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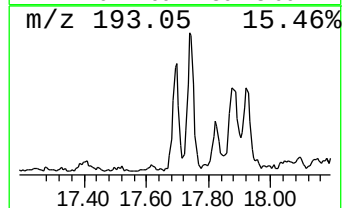
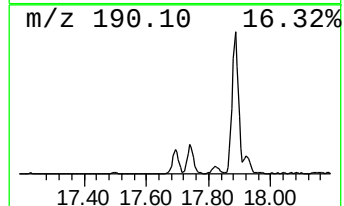
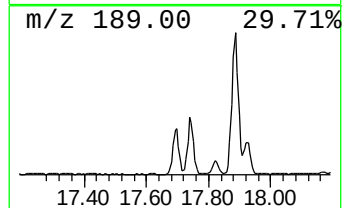
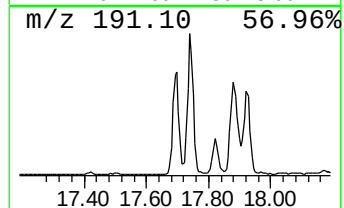
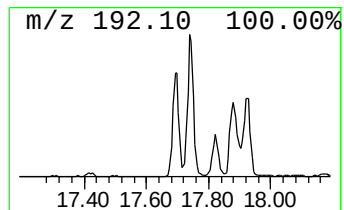
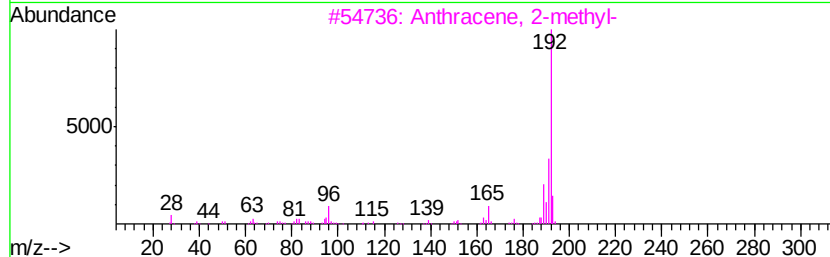
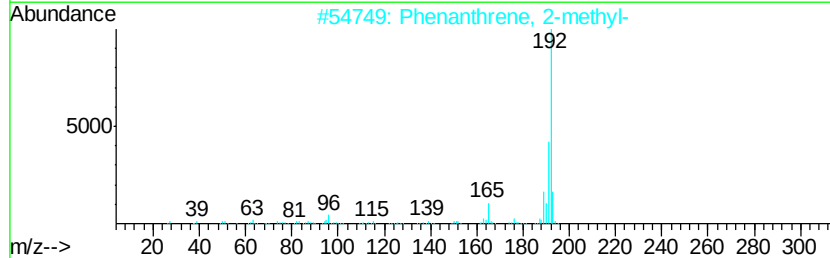
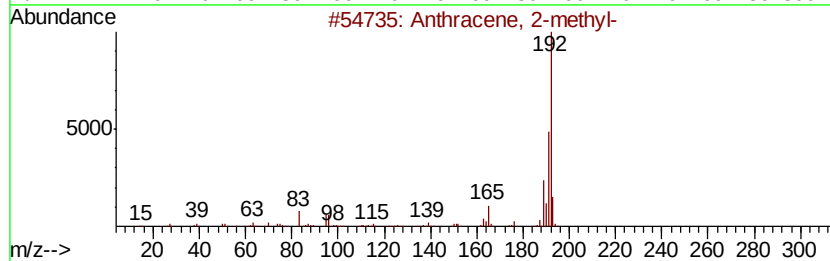
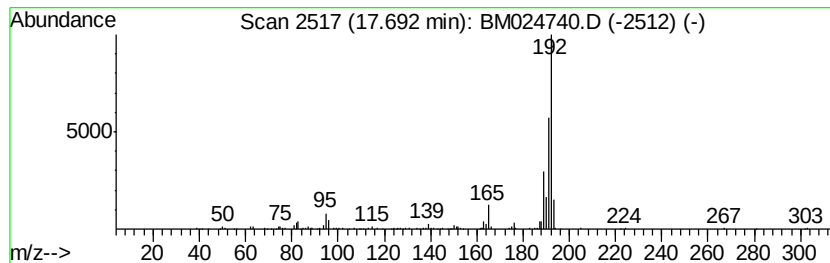
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Anthracene, 2-methyl- Concentration Rank 10

| R.T.    | EstConc    | Area                    | Relative to ISTD | R.T.    |             |      |
|---------|------------|-------------------------|------------------|---------|-------------|------|
| 17.69   | 2.24 ng/ul | 443695                  | Phenanthrene-d10 | 16.82   |             |      |
| Hit# of | 5          | Tentative ID            | MW               | MolForm | CAS#        | Qual |
| 1       |            | Anthracene, 2-methyl-   | 192              | C15H12  | 000613-12-7 | 96   |
| 2       |            | Phenanthrene, 2-methyl- | 192              | C15H12  | 002531-84-2 | 94   |
| 3       |            | Anthracene, 2-methyl-   | 192              | C15H12  | 000613-12-7 | 94   |
| 4       |            | Anthracene, 1-methyl-   | 192              | C15H12  | 000610-48-0 | 93   |
| 5       |            | Phenanthrene, 1-methyl- | 192              | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
Acq On : 06 Feb 2020 22:39  
Operator : CG/JU  
Sample : L1398-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

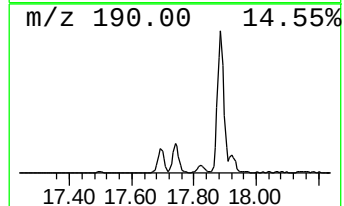
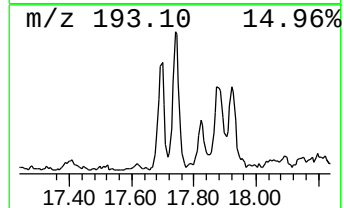
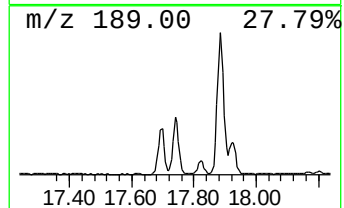
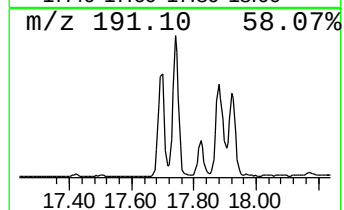
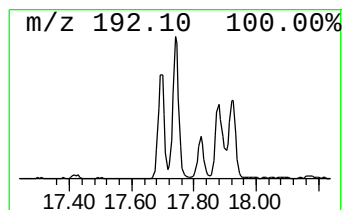
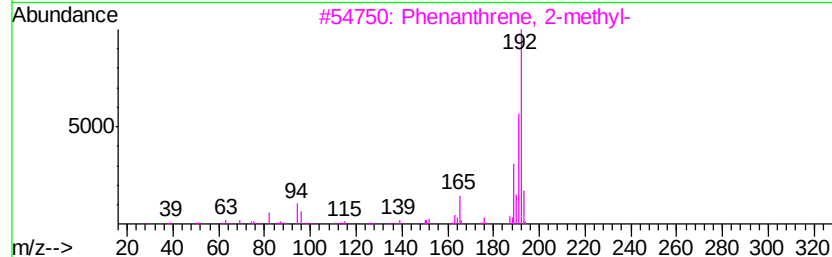
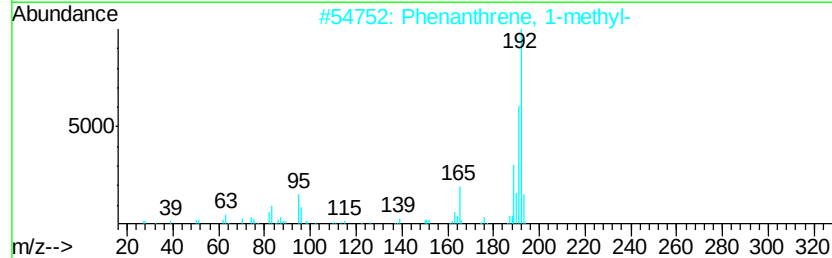
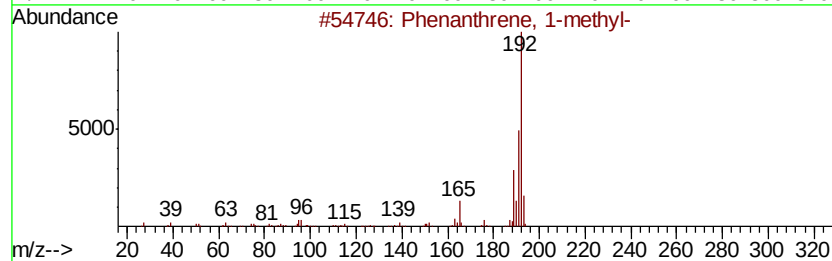
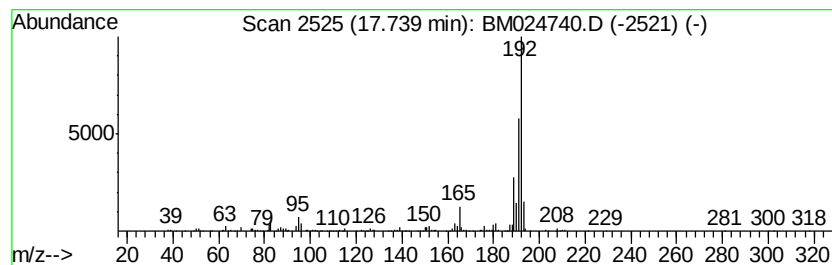
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.    |             |      |
|---------|-------------------------------------|--------------|------------------|---------|-------------|------|
| 17.74   | 3.10 ng/ul                          | 615737       | Phenanthrene-d10 | 16.82   |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Phenanthrene, 1-methyl-             |              | 192              | C15H12  | 000832-69-9 | 97   |
| 2       | Phenanthrene, 1-methyl-             |              | 192              | C15H12  | 000832-69-9 | 95   |
| 3       | Phenanthrene, 2-methyl-             |              | 192              | C15H12  | 002531-84-2 | 95   |
| 4       | 1H-Cyclopropa[1]phenanthrene,1a,... |              | 192              | C15H12  | 000949-41-7 | 94   |
| 5       | Phenanthrene, 2-methyl-             |              | 192              | C15H12  | 002531-84-2 | 93   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
Acq On : 06 Feb 2020 22:39  
Operator : CG/JU  
Sample : L1398-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

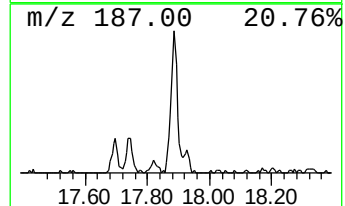
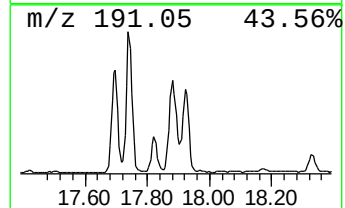
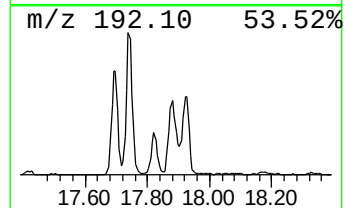
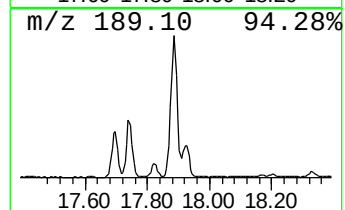
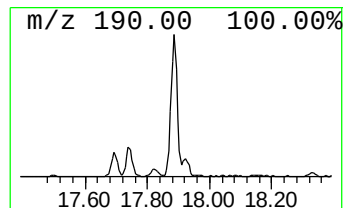
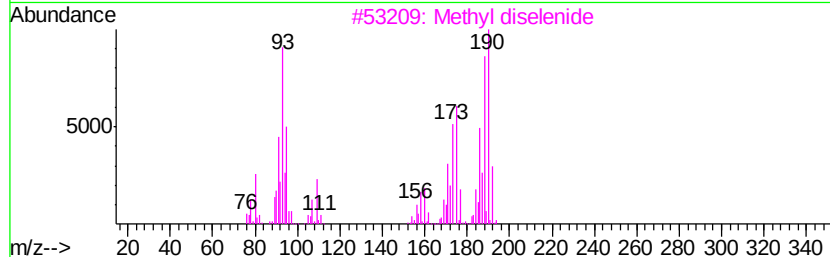
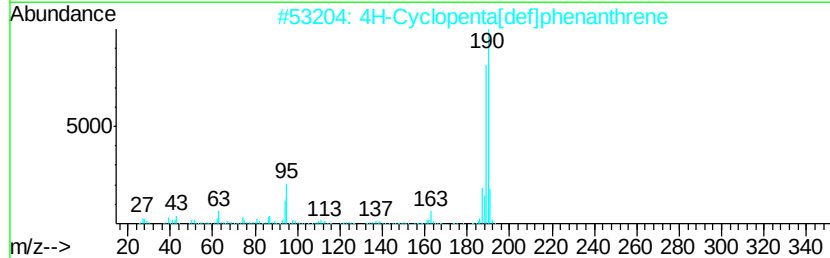
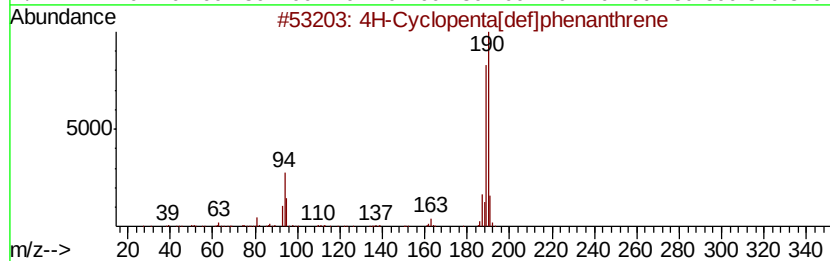
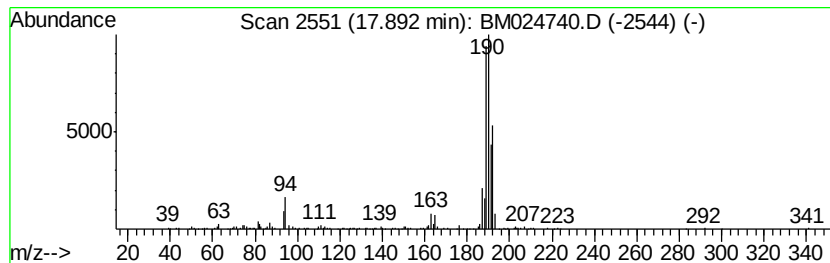
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.      | EstConc                        | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|--------|------------------|-------------|------|
| 17.89     | 3.73 ng/ul                     | 740900 | Phenanthrene-d10 | 16.82       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene | 190    | C15H10           | 000203-64-5 | 92   |
| 2         | 4H-Cyclopenta[def]phenanthrene | 190    | C15H10           | 000203-64-5 | 53   |
| 3         | Methyl diselenide              | 190    | C2H6Se2          | 007101-31-7 | 45   |
| 4         | 4H-Cyclopenta[def]phenanthrene | 190    | C15H10           | 000203-64-5 | 43   |
| 5         | Phenanthrene, 2-methyl-        | 192    | C15H12           | 002531-84-2 | 30   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
Acq On : 06 Feb 2020 22:39  
Operator : CG/JU  
Sample : L1398-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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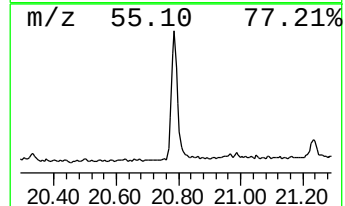
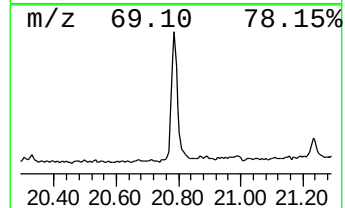
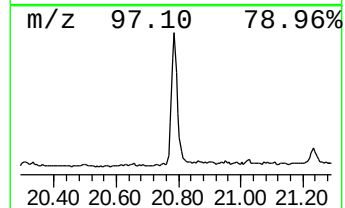
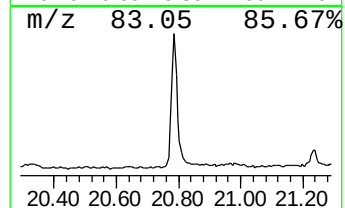
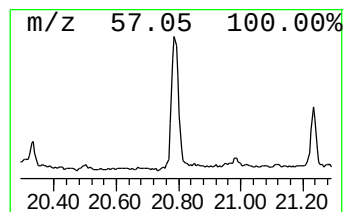
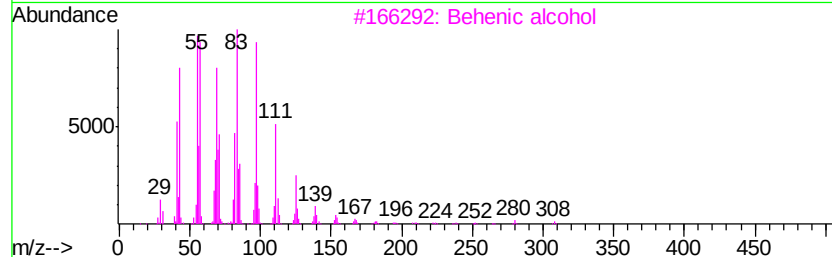
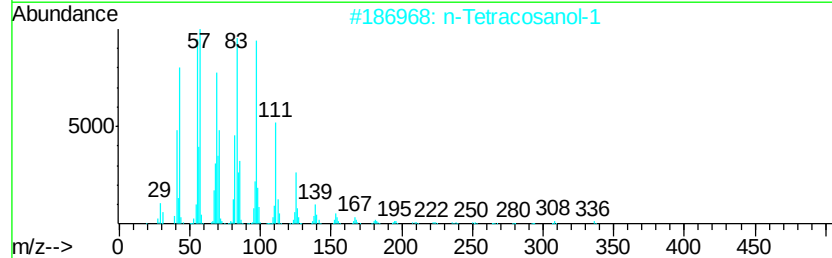
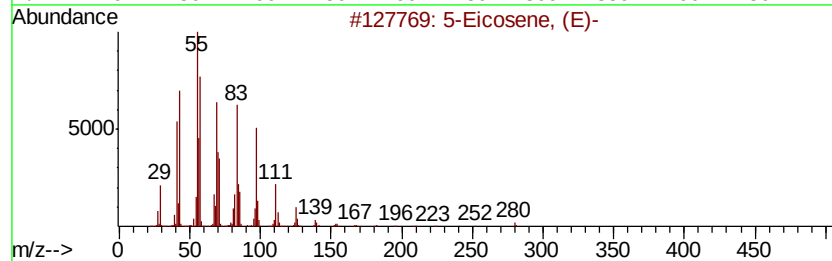
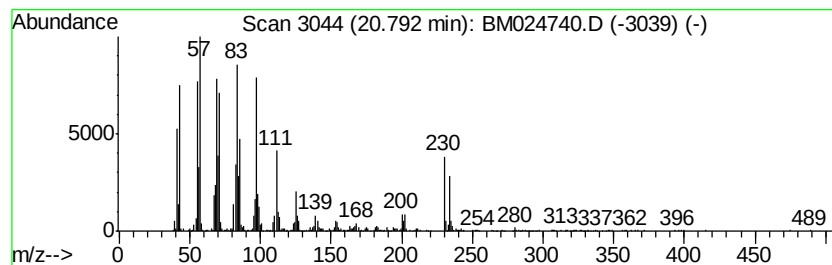
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.79 | 5.57 ng/ul | 1868640 | Chrysene-d12     | 21.03 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|----------------------|--------------|-----|----------|-------------|------|
| 1       | 5-Eicosene, (E)-     |              | 280 | C20H40   | 074685-30-6 | 98   |
| 2       | n-Tetracosanol-1     |              | 354 | C24H50O  | 000506-51-4 | 94   |
| 3       | Behenic alcohol      |              | 326 | C22H46O  | 000661-19-8 | 94   |
| 4       | 1-Heneicosyl formate |              | 340 | C22H44O2 | 077899-03-7 | 94   |
| 5       | 1-Heneicosanol       |              | 312 | C21H44O  | 015594-90-8 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
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Sample : L1398-06  
Misc :  
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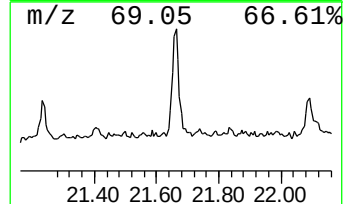
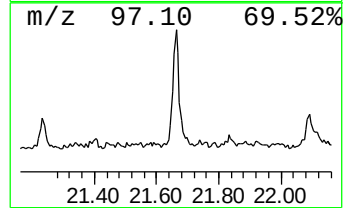
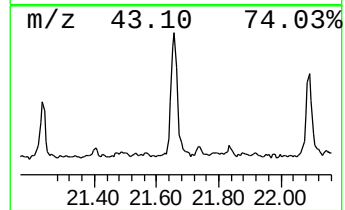
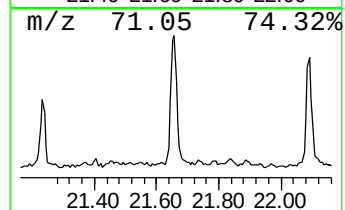
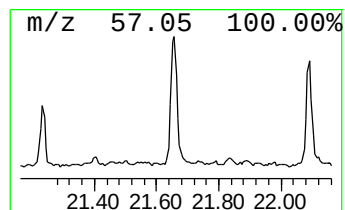
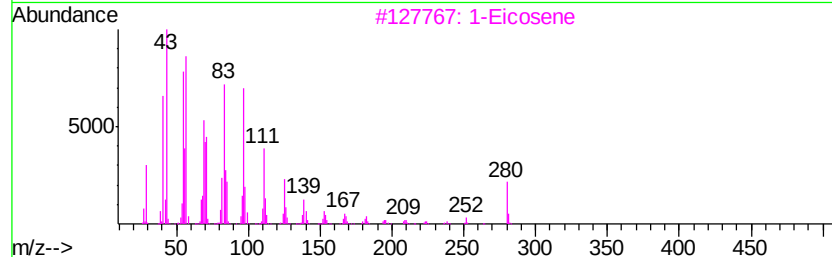
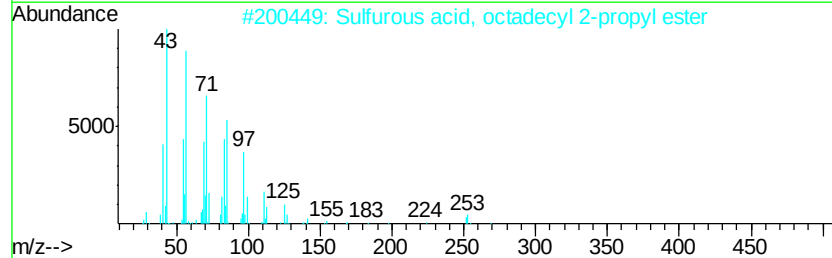
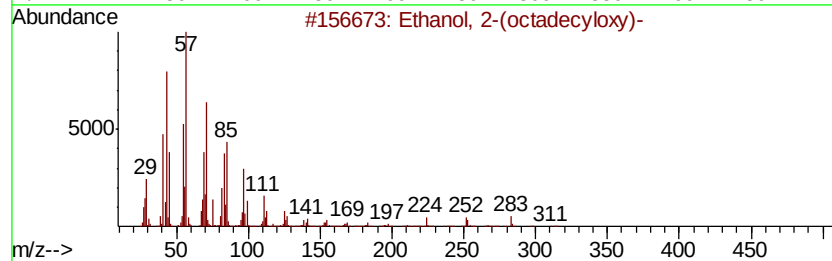
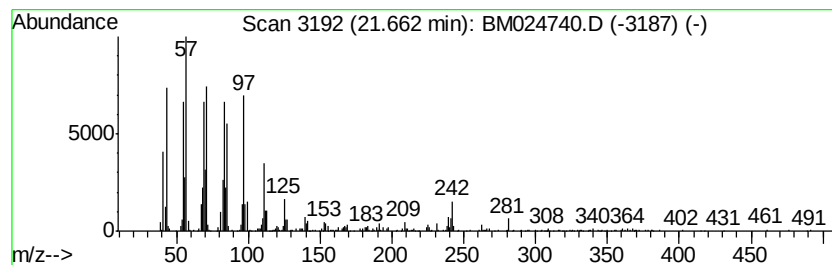
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 6 Ethanol, 2-(octadecyloxy)- Concentration Rank 8

| R.T.    | EstConc                             | Area         | Relative to ISTD |              | R.T.  |      |
|---------|-------------------------------------|--------------|------------------|--------------|-------|------|
| 21.66   | 2.90 ng/ul                          | 972169       | Chrysene-d12     |              | 21.03 |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS#  | Qual |
| 1       | Ethanol, 2-(octadecyloxy)-          | 314          | C20H42O2         | 002136-72-3  | 91    |      |
| 2       | Sulfurous acid, octadecyl 2-prop... | 376          | C21H44O3S        | 1000309-12-7 | 91    |      |
| 3       | 1-Eicosene                          | 280          | C20H40           | 003452-07-1  | 90    |      |
| 4       | Disulfide, di-tert-dodecyl          | 402          | C24H50S2         | 027458-90-8  | 83    |      |
| 5       | Eicosane                            | 282          | C20H42           | 000112-95-8  | 64    |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
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Operator : CG/JU  
Sample : L1398-06  
Misc :  
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Instrument :  
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ClientSampleId :  
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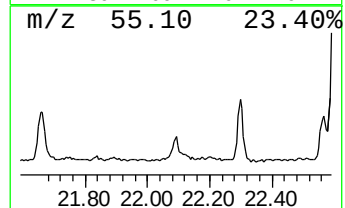
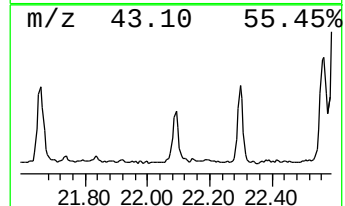
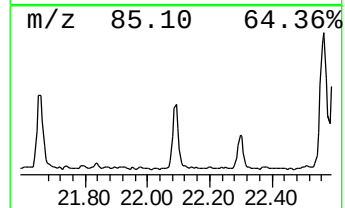
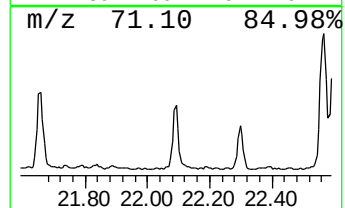
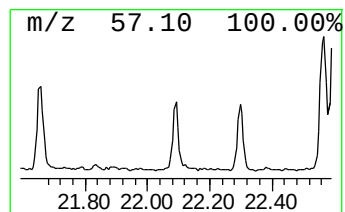
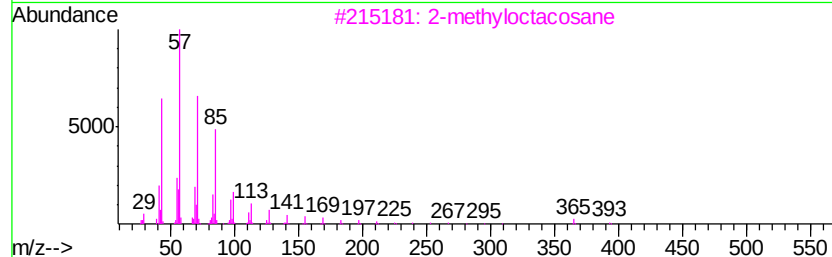
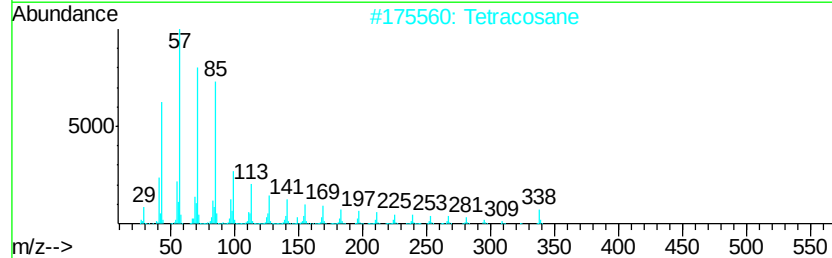
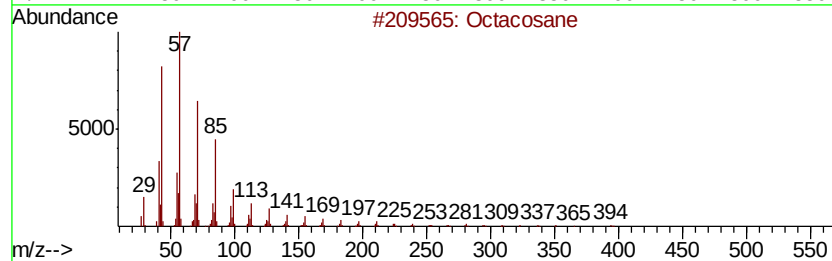
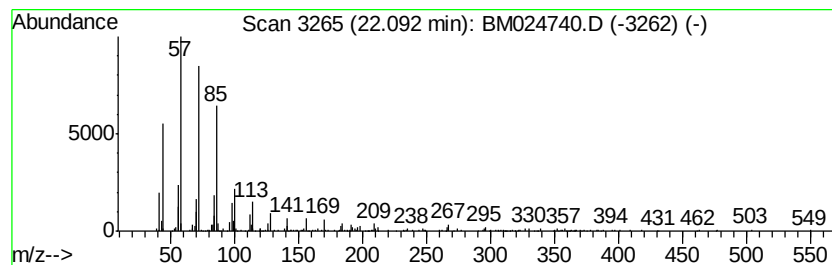
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.09 | 2.01 ng/ul | 340338 | Perylene-d12     | 23.13 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Octacosane         | 394 | C28H58  | 000630-02-4  | 95   |
| 2    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |
| 3    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 4    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 5    |    | triacontane        | 422 | C30H62  | 000638-68-6  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
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Sample : L1398-06  
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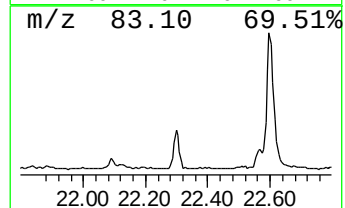
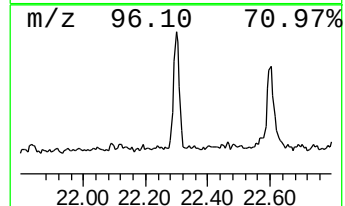
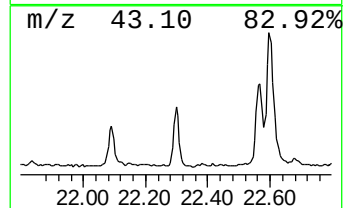
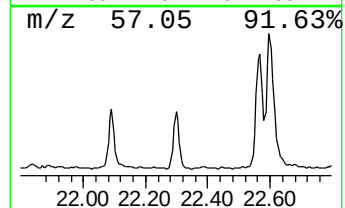
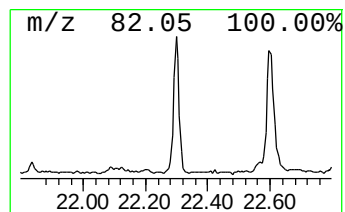
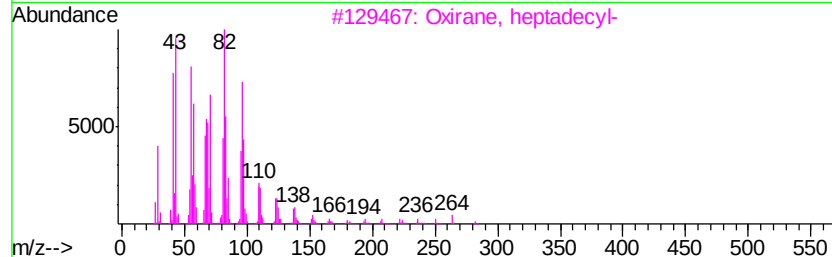
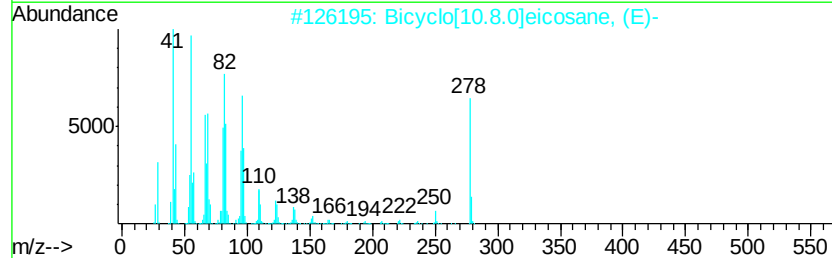
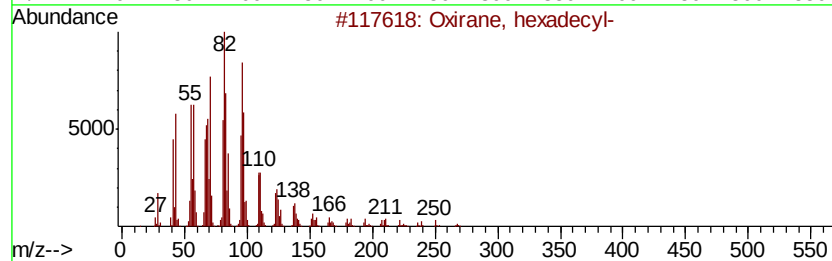
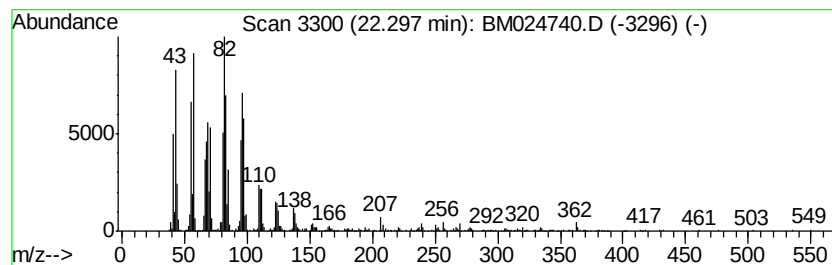
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 Oxirane, hexadecyl- Concentration Rank 3

| R.T.    | EstConc                       | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------|--------------|------------------|-----------|
| 22.30   | 7.11 ng/ul                    | 1205750      | Perylene-d12     | 23.13     |
| Hit# of | 5                             | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Oxirane, hexadecyl-           | 268 C18H36O  | 007390-81-0      | 94        |
| 2       | Bicyclo[10.8.0]eicosane, (E)- | 278 C20H38   | 1000155-85-0     | 93        |
| 3       | Oxirane, heptadecyl-          | 282 C19H38O  | 067860-04-2      | 91        |
| 4       | Oxirane, hexadecyl-           | 268 C18H36O  | 007390-81-0      | 91        |
| 5       | Octadecanal                   | 268 C18H36O  | 000638-66-4      | 91        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
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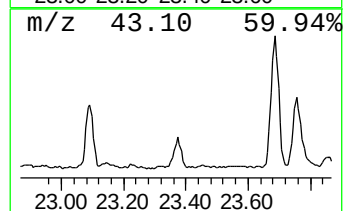
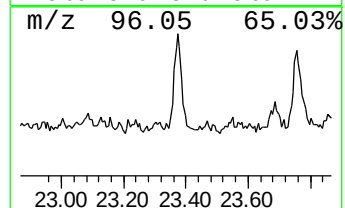
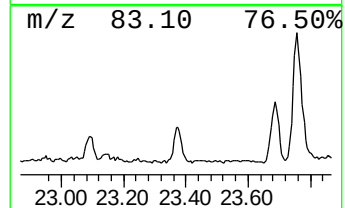
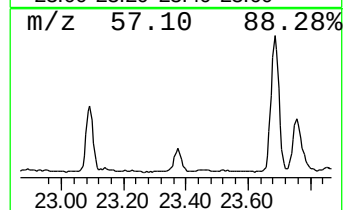
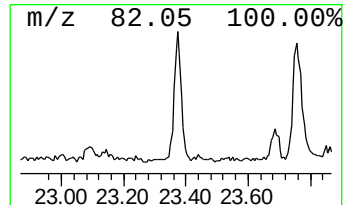
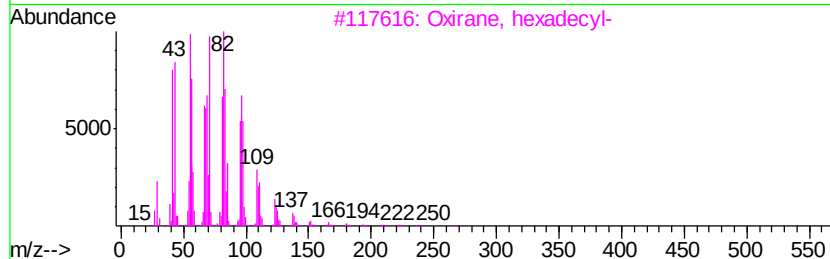
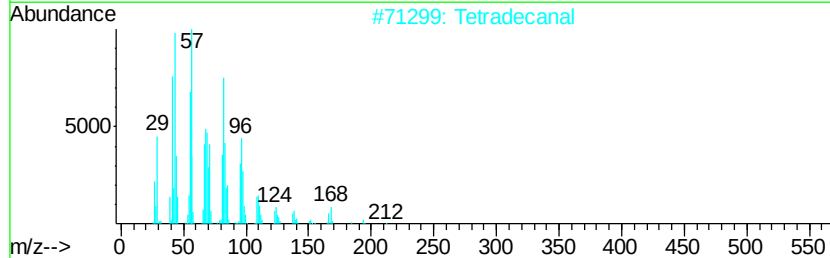
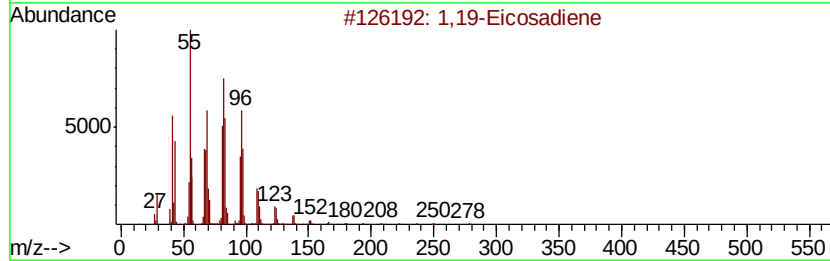
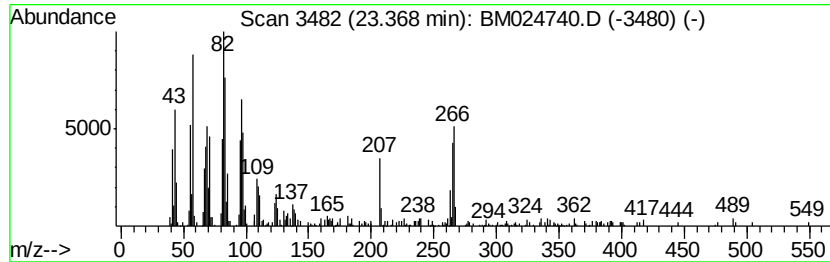
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ClientSampleId :  
CB6E0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 1,19-Eicosadiene Concentration Rank 6

| R.T.    | EstConc                           | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------------------|--------------|------------------|-----------|
| 23.37   | 3.20 ng/ul                        | 542020       | Perylene-d12     | 23.13     |
| Hit# of | 5                                 | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1,19-Eicosadiene                  | 278 C20H38   | 014811-95-1      | 78        |
| 2       | Tetradecanal                      | 212 C14H28O  | 000124-25-4      | 60        |
| 3       | Oxirane, hexadecyl-               | 268 C18H36O  | 007390-81-0      | 53        |
| 4       | Octadecanal                       | 268 C18H36O  | 000638-66-4      | 53        |
| 5       | Ethanol, 2-(9-octadecenyl-)-, ... | 312 C20H40O2 | 005353-25-3      | 51        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
Acq On : 06 Feb 2020 22:39  
Operator : CG/JU  
Sample : L1398-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB6E0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

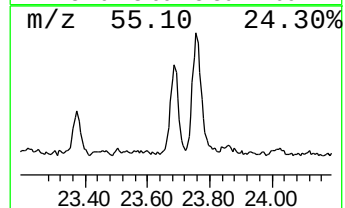
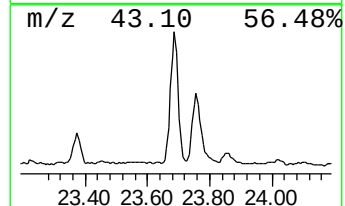
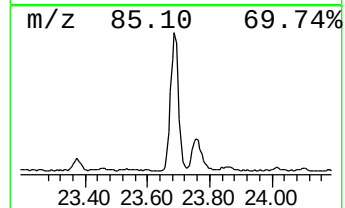
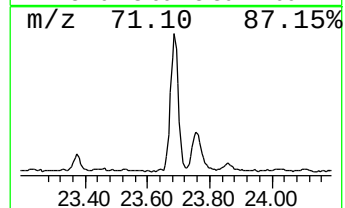
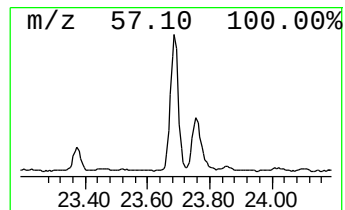
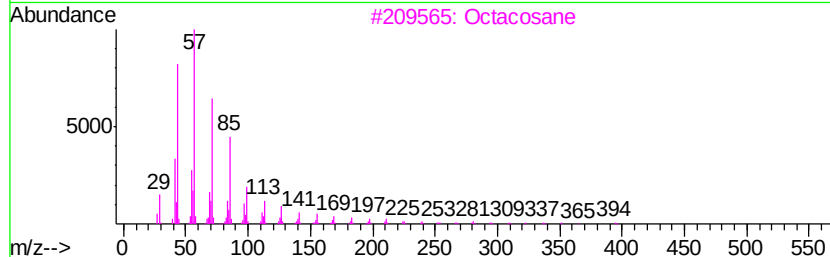
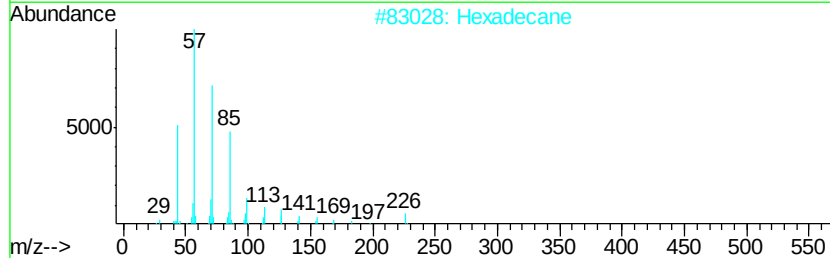
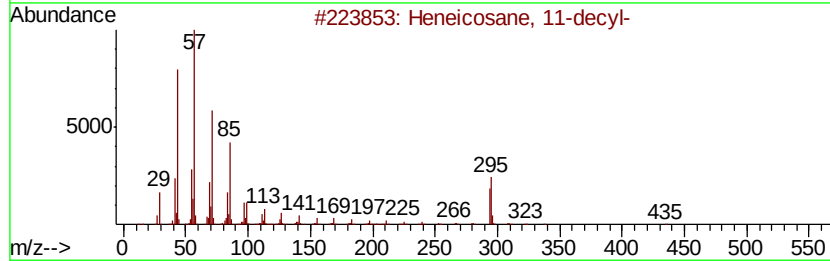
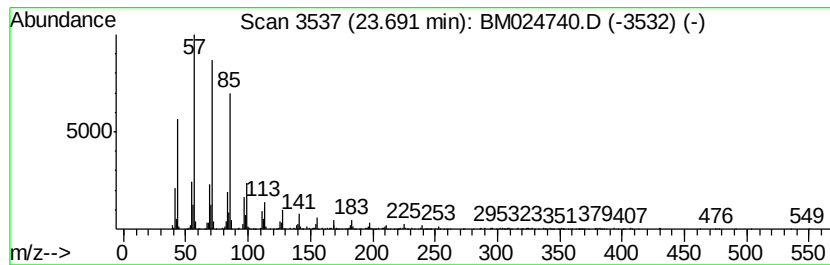
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.69 | 9.32 ng/ul | 1580460 | Perylene-d12     | 23.13 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4  | 93   |
| 2    |    | Hexadecane             | 226 | C16H34  | 000544-76-3  | 93   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4  | 91   |
| 4    |    | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024740.D  
Acq On : 06 Feb 2020 22:39  
Operator : CG/JU  
Sample : L1398-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB6E0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

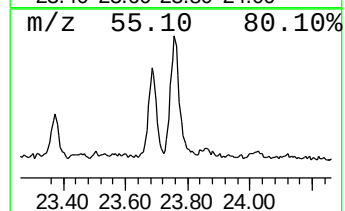
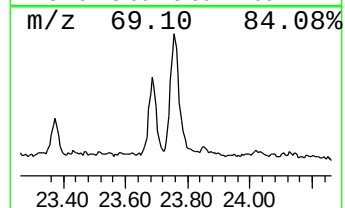
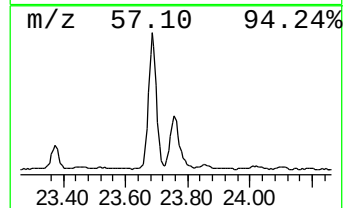
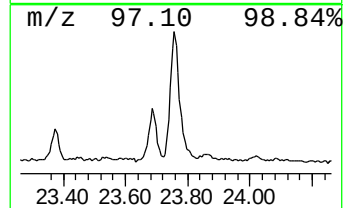
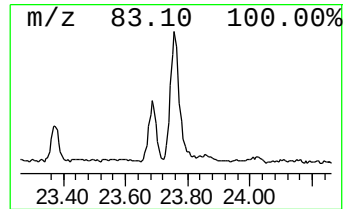
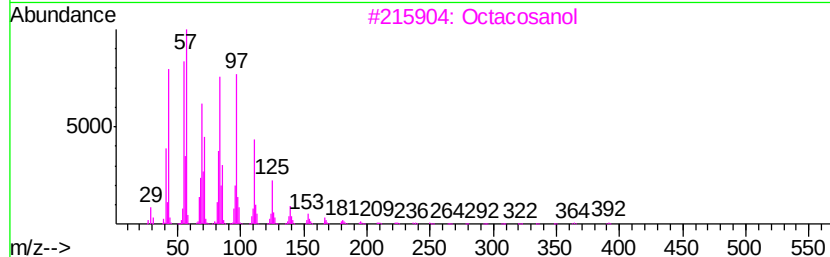
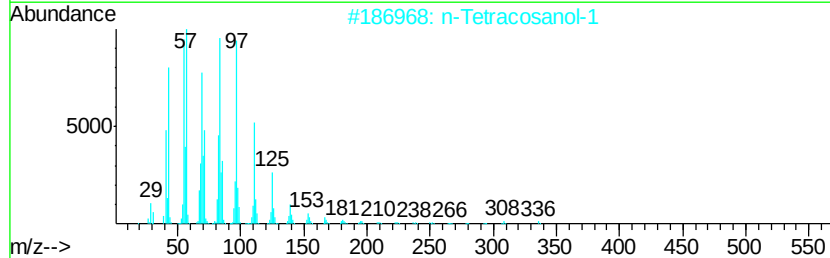
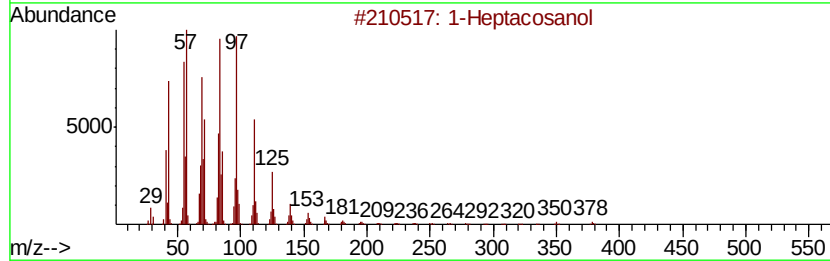
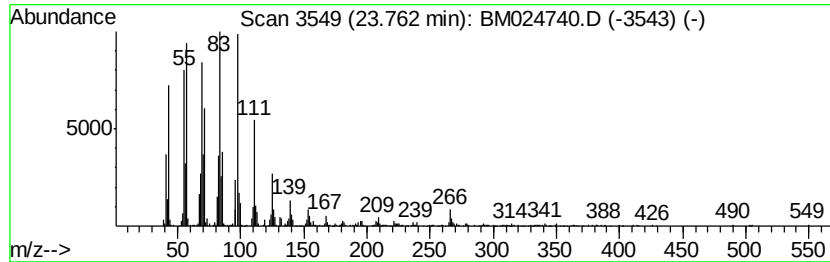
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 1-Heptacosanol Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.76 | 9.13 ng/ul | 1548500 | Perylene-d12     | 23.13 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Heptacosanol   | 396 | C27H56O | 002004-39-9 | 94   |
| 2    |    |   | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94   |
| 3    |    |   | Octacosanol      | 410 | C28H58O | 000557-61-9 | 93   |
| 4    |    |   | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 93   |
| 5    |    |   | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM020620\  
 Data File : BM024740.D  
 Acq On : 06 Feb 2020 22:39  
 Operator : CG/JU  
 Sample : L1398-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6E0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Toluene              | 3.72  | 2.5     | ng/ul | 203977   | 1                     | 7.41  | 1648280 | 20.0 |
| Anthracene, 2-met... | 17.69 | 2.2     | ng/ul | 443695   | 4                     | 16.82 | 3970410 | 20.0 |
| Phenanthrene, 1-m... | 17.74 | 3.1     | ng/ul | 615737   | 4                     | 16.82 | 3970410 | 20.0 |
| 4H-Cyclopenta[def... | 17.89 | 3.7     | ng/ul | 740900   | 4                     | 16.82 | 3970410 | 20.0 |
| (DEL) Alkane: Str... | 20.79 | 5.6     | ng/ul | 1868640  | 5                     | 21.03 | 6708520 | 20.0 |
| Ethanol, 2-(octad... | 21.66 | 2.9     | ng/ul | 972169   | 5                     | 21.03 | 6708520 | 20.0 |
| (DEL) Alkane: Str... | 22.09 | 2.0     | ng/ul | 340338   | 6                     | 23.13 | 3392540 | 20.0 |
| Oxirane, hexadecyl-  | 22.30 | 7.1     | ng/ul | 1205750  | 6                     | 23.13 | 3392540 | 20.0 |
| 1,19-Eicosadiene     | 23.37 | 3.2     | ng/ul | 542020   | 6                     | 23.13 | 3392540 | 20.0 |
| (DEL) Alkane: Str... | 23.69 | 9.3     | ng/ul | 1580460  | 6                     | 23.13 | 3392540 | 20.0 |
| 1-Heptacosanol       | 23.76 | 9.1     | ng/ul | 1548500  | 6                     | 23.13 | 3392540 | 20.0 |