

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
 Data File : BM017148.D  
 Acq On : 13 Oct 2018 15:44  
 Operator : MJ/SJ  
 Sample : J5402-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BG6

## 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-BM100418MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.169    | 28         | 31       | 39        | rVB   | 919152      | 916160     | 29.29%       | 3.454%     |
| 2      | 7.686    | 793        | 799      | 809       | rVB   | 551294      | 860561     | 27.51%       | 3.245%     |
| 3      | 10.463   | 1262       | 1271     | 1285      | rVB   | 777427      | 1248966    | 39.93%       | 4.709%     |
| 4      | 11.892   | 1510       | 1514     | 1520      | rBV3  | 13026       | 20296      | 0.65%        | 0.077%     |
| 5      | 12.139   | 1552       | 1556     | 1562      | rVB5  | 3327        | 6404       | 0.20%        | 0.024%     |
| 6      | 13.157   | 1725       | 1729     | 1733      | rVB3  | 3934        | 5779       | 0.18%        | 0.022%     |
| 7      | 14.327   | 1921       | 1928     | 1942      | rBV2  | 1119544     | 1676270    | 53.59%       | 6.320%     |
| 8      | 15.327   | 2093       | 2098     | 2104      | rBV4  | 2133        | 4184       | 0.13%        | 0.016%     |
| 9      | 16.051   | 2216       | 2221     | 2228      | rBV3  | 7257        | 14950      | 0.48%        | 0.056%     |
| 10     | 16.315   | 2263       | 2266     | 2271      | rVB5  | 5550        | 6958       | 0.22%        | 0.026%     |
| 11     | 16.362   | 2271       | 2274     | 2278      | rBV2  | 2271        | 3636       | 0.12%        | 0.014%     |
| 12     | 16.851   | 2354       | 2357     | 2362      | rBV5  | 6718        | 12716      | 0.41%        | 0.048%     |
| 13     | 16.898   | 2362       | 2365     | 2369      | rVV4  | 4870        | 6930       | 0.22%        | 0.026%     |
| 14     | 16.956   | 2372       | 2375     | 2379      | rVB3  | 12790       | 14039      | 0.45%        | 0.053%     |
| 15     | 16.992   | 2379       | 2381     | 2383      | rBV3  | 5677        | 5326       | 0.17%        | 0.020%     |
| 16     | 17.080   | 2389       | 2396     | 2410      | rBV   | 1571468     | 2298200    | 73.48%       | 8.665%     |
| 17     | 17.256   | 2422       | 2426     | 2433      | rVB6  | 12525       | 21551      | 0.69%        | 0.081%     |
| 18     | 17.392   | 2445       | 2449     | 2451      | rBV3  | 5110        | 5508       | 0.18%        | 0.021%     |
| 19     | 17.445   | 2456       | 2458     | 2462      | rVB5  | 3686        | 4841       | 0.15%        | 0.018%     |
| 20     | 17.586   | 2479       | 2482     | 2488      | rVB7  | 11496       | 15627      | 0.50%        | 0.059%     |
| 21     | 17.674   | 2492       | 2497     | 2503      | rVB3  | 27708       | 54712      | 1.75%        | 0.206%     |
| 22     | 17.809   | 2516       | 2520     | 2524      | rBV2  | 17629       | 25888      | 0.83%        | 0.098%     |
| 23     | 17.868   | 2527       | 2530     | 2531      | rBV3  | 4449        | 4648       | 0.15%        | 0.018%     |
| 24     | 17.933   | 2538       | 2541     | 2544      | rVB3  | 8045        | 9352       | 0.30%        | 0.035%     |
| 25     | 17.980   | 2544       | 2549     | 2560      | rBV2  | 68324       | 124295     | 3.97%        | 0.469%     |
| 26     | 18.151   | 2574       | 2578     | 2582      | rBV5  | 19898       | 27559      | 0.88%        | 0.104%     |
| 27     | 18.209   | 2586       | 2588     | 2592      | rVB4  | 8662        | 8779       | 0.28%        | 0.033%     |
| 28     | 18.280   | 2597       | 2600     | 2606      | rVB4  | 19879       | 22417      | 0.72%        | 0.085%     |
| 29     | 18.433   | 2623       | 2626     | 2630      | rBV4  | 14339       | 16651      | 0.53%        | 0.063%     |
| 30     | 18.609   | 2654       | 2656     | 2662      | rVB7  | 6885        | 9166       | 0.29%        | 0.035%     |
| 31     | 18.915   | 2704       | 2708     | 2715      | rBV2  | 50019       | 78149      | 2.50%        | 0.295%     |
| 32     | 19.003   | 2718       | 2723     | 2728      | rVB2  | 96340       | 135866     | 4.34%        | 0.512%     |
| 33     | 19.139   | 2741       | 2746     | 2755      | rBV   | 80585       | 115945     | 3.71%        | 0.437%     |
| 34     | 19.209   | 2755       | 2758     | 2762      | rBV6  | 12275       | 16053      | 0.51%        | 0.061%     |

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## Integration Parameters: LSCINT.P

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 19.286 | 2764 | 2771 | 2778 | rBV3 | 153356  | 332046  | 10.62%  | 1.252%  |
| 36 | 19.497 | 2803 | 2807 | 2811 | rBV2 | 134045  | 160960  | 5.15%   | 0.607%  |
| 37 | 19.533 | 2811 | 2813 | 2819 | rVB2 | 54019   | 67876   | 2.17%   | 0.256%  |
| 38 | 19.715 | 2840 | 2844 | 2846 | rBV2 | 66700   | 90442   | 2.89%   | 0.341%  |
| 39 | 19.856 | 2864 | 2868 | 2872 | rVB2 | 130585  | 155499  | 4.97%   | 0.586%  |
| 40 | 19.903 | 2872 | 2876 | 2882 | rBV5 | 51072   | 87311   | 2.79%   | 0.329%  |
| 41 | 19.997 | 2887 | 2892 | 2895 | rBV  | 364145  | 439500  | 14.05%  | 1.657%  |
| 42 | 20.033 | 2895 | 2898 | 2904 | rVB  | 179412  | 209020  | 6.68%   | 0.788%  |
| 43 | 20.197 | 2923 | 2926 | 2930 | rBV5 | 47645   | 56713   | 1.81%   | 0.214%  |
| 44 | 20.274 | 2935 | 2939 | 2944 | rVV  | 408901  | 486268  | 15.55%  | 1.833%  |
| 45 | 20.327 | 2945 | 2948 | 2955 | rVV5 | 97496   | 140308  | 4.49%   | 0.529%  |
| 46 | 20.433 | 2962 | 2966 | 2971 | rVB3 | 138086  | 212358  | 6.79%   | 0.801%  |
| 47 | 20.533 | 2978 | 2983 | 2986 | rBV  | 340443  | 398462  | 12.74%  | 1.502%  |
| 48 | 20.574 | 2986 | 2990 | 2991 | rVV2 | 156234  | 202213  | 6.47%   | 0.762%  |
| 49 | 20.592 | 2991 | 2993 | 2999 | rVB  | 249322  | 310005  | 9.91%   | 1.169%  |
| 50 | 20.739 | 3014 | 3018 | 3024 | rBV2 | 207863  | 247651  | 7.92%   | 0.934%  |
| 51 | 20.803 | 3026 | 3029 | 3035 | rVB5 | 96159   | 122217  | 3.91%   | 0.461%  |
| 52 | 20.997 | 3058 | 3062 | 3069 | rBV2 | 499337  | 738516  | 23.61%  | 2.784%  |
| 53 | 21.062 | 3070 | 3073 | 3078 | rBV3 | 97624   | 126806  | 4.05%   | 0.478%  |
| 54 | 21.121 | 3081 | 3083 | 3085 | rBV2 | 41117   | 34211   | 1.09%   | 0.129%  |
| 55 | 21.268 | 3103 | 3108 | 3112 | rBV  | 2235417 | 3127671 | 100.00% | 11.792% |
| 56 | 21.297 | 3112 | 3113 | 3120 | rVB3 | 495416  | 420105  | 13.43%  | 1.584%  |
| 57 | 21.433 | 3132 | 3136 | 3141 | rBV  | 687291  | 780821  | 24.96%  | 2.944%  |
| 58 | 21.609 | 3162 | 3166 | 3171 | rBV2 | 169002  | 222289  | 7.11%   | 0.838%  |
| 59 | 21.668 | 3173 | 3176 | 3179 | rBV3 | 66613   | 76557   | 2.45%   | 0.289%  |
| 60 | 21.862 | 3205 | 3209 | 3217 | rBV  | 820497  | 999629  | 31.96%  | 3.769%  |
| 61 | 22.327 | 3283 | 3288 | 3299 | rVB  | 896379  | 1249944 | 39.96%  | 4.713%  |
| 62 | 22.827 | 3368 | 3373 | 3387 | rBV  | 1026581 | 1602448 | 51.23%  | 6.042%  |
| 63 | 23.391 | 3464 | 3469 | 3478 | rVB  | 891525  | 1400098 | 44.76%  | 5.279%  |
| 64 | 23.491 | 3480 | 3486 | 3494 | rVB2 | 1420069 | 2657749 | 84.98%  | 10.020% |
| 65 | 24.027 | 3572 | 3577 | 3588 | rVB  | 585915  | 1080049 | 34.53%  | 4.072%  |
| 66 | 24.762 | 3699 | 3702 | 3712 | rVB2 | 255174  | 489534  | 15.65%  | 1.846%  |

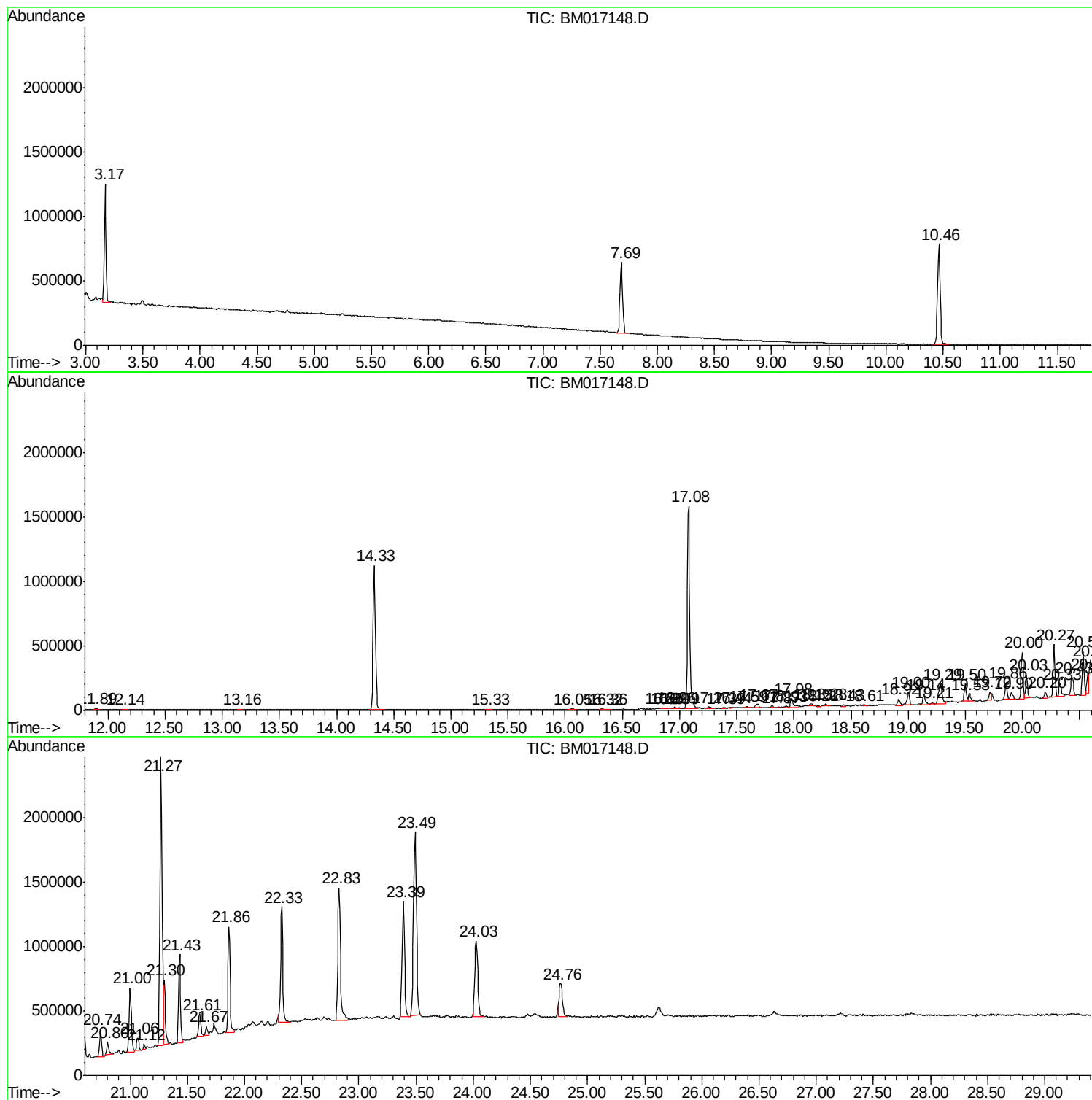
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ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

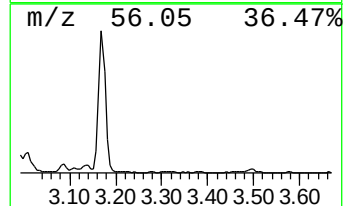
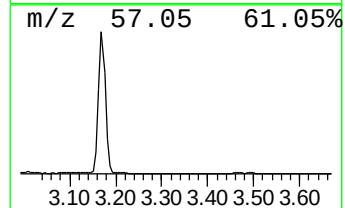
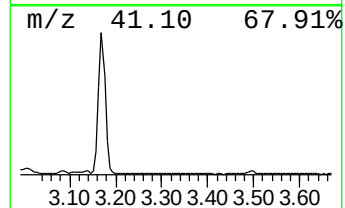
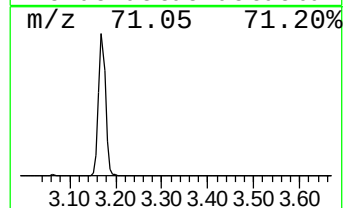
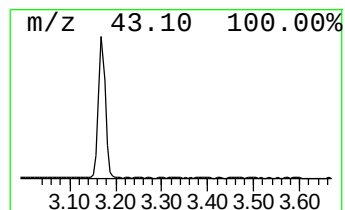
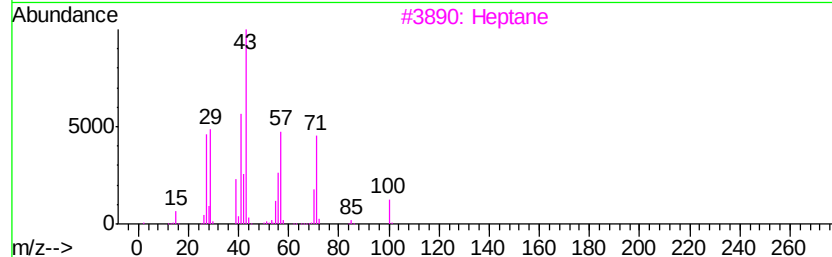
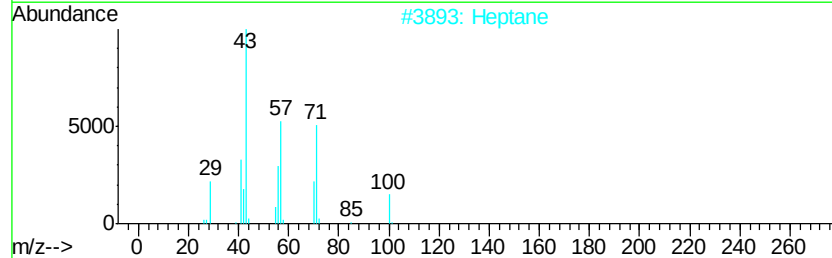
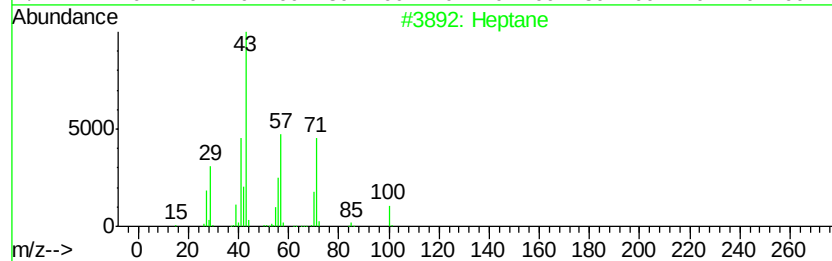
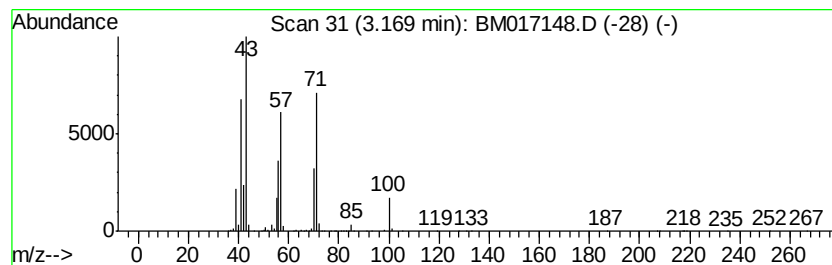
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.17 | 21.29 ng/ul | 916160 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 3    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 86   |
| 4    |    | Hexane, 3-methyl- | 100 | C7H16   | 000589-34-4 | 64   |
| 5    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 62   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

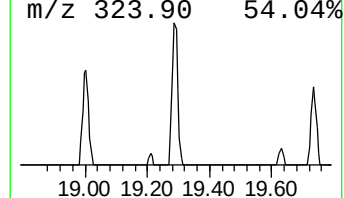
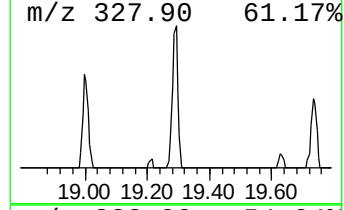
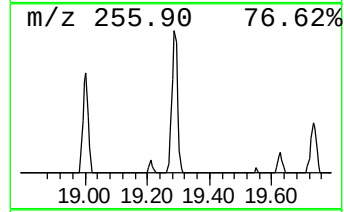
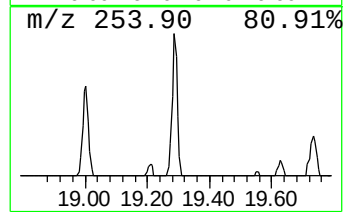
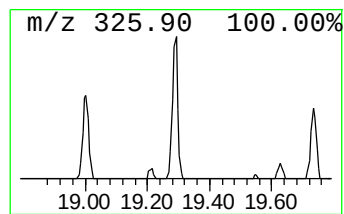
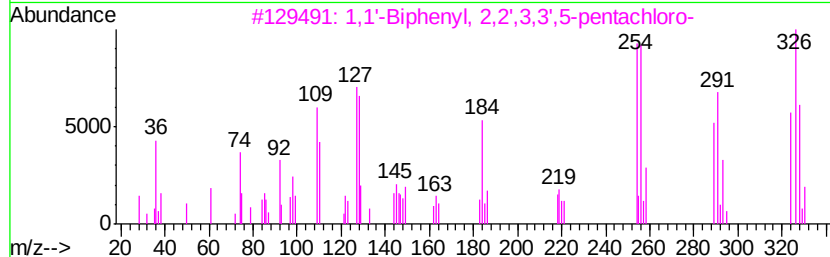
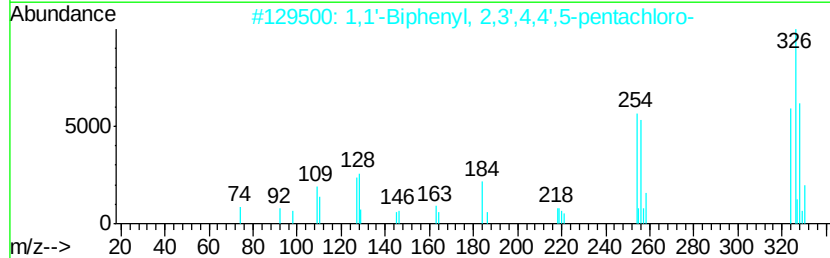
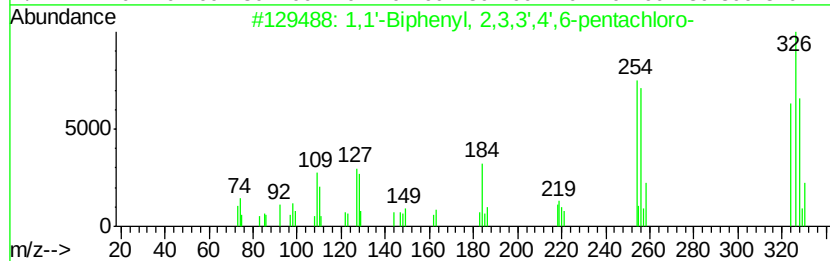
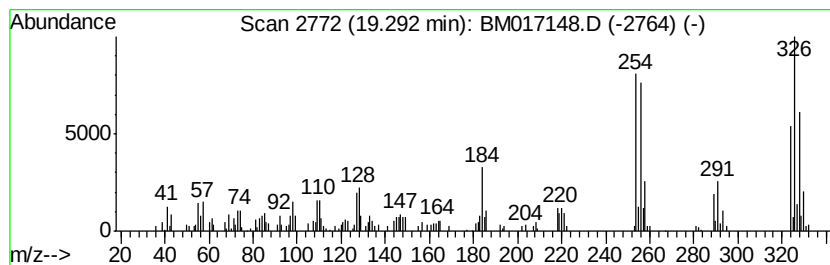
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.29 | 2.12 ng/ul | 332046 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,3',5-penta... | 324 | C12H5Cl5 | 060145-20-2 | 94   |
| 4    |    | 1,1'-Biphenyl, 2,3',4,4',6-Penta... | 324 | C12H5Cl5 | 056558-17-9 | 94   |
| 5    |    | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5 | 037680-73-2 | 94   |



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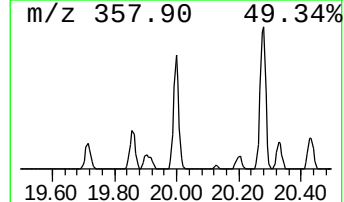
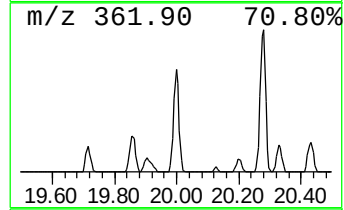
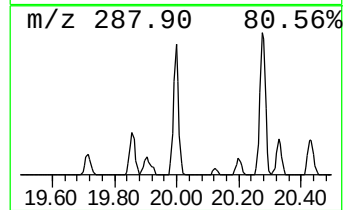
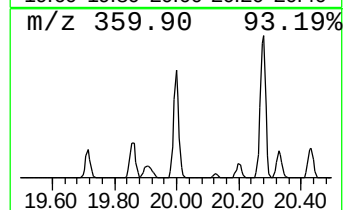
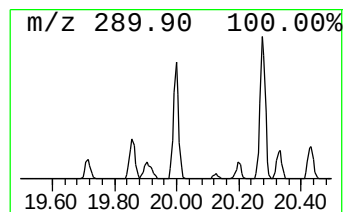
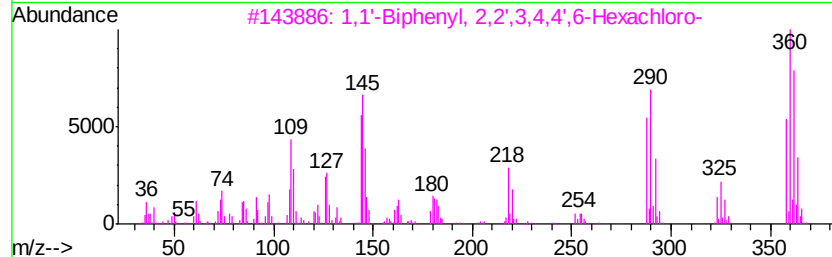
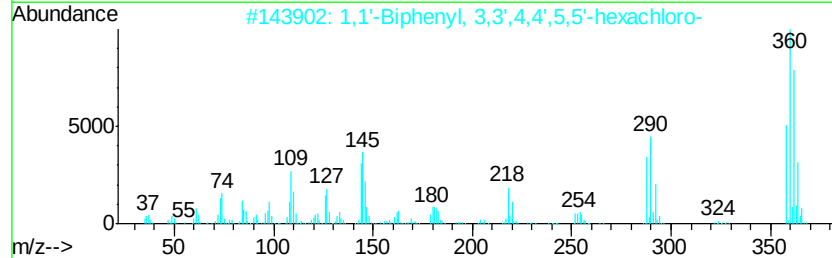
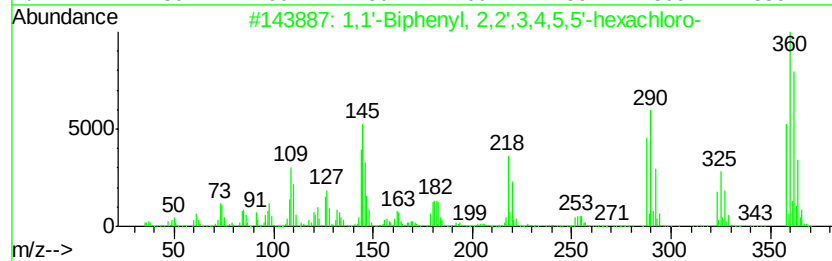
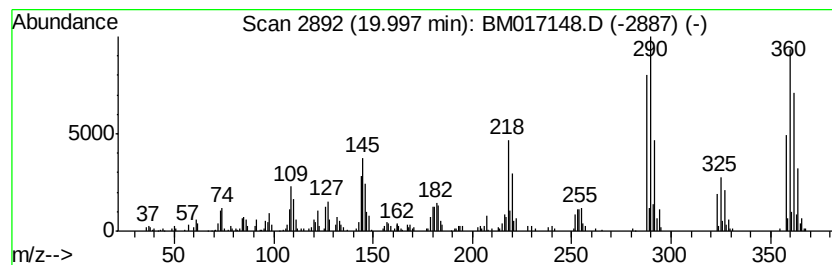
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 11

| R.T.    | EstConc        | Area                 | Relative to ISTD | R.T.     |             |      |
|---------|----------------|----------------------|------------------|----------|-------------|------|
| 20.00   | 2.81 ng/ul     | 439500               | Chrysene-d12     | 21.27    |             |      |
| Hit# of | 5              | Tentative ID         | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'-Biphenyl, | 2,2',3,4,5,5'-hex... | 358              | C12H4Cl6 | 052712-04-6 | 99   |
| 2       | 1,1'-Biphenyl, | 3,3',4,4',5,5'-he... | 358              | C12H4Cl6 | 032774-16-6 | 99   |
| 3       | 1,1'-Biphenyl, | 2,2',3,4,4',6-Hex... | 358              | C12H4Cl6 | 056030-56-9 | 99   |
| 4       | 1,1'-Biphenyl, | 2,2',3,4,4',5'-he... | 358              | C12H4Cl6 | 035065-28-2 | 99   |
| 5       | 1,1'-Biphenyl, | 2,2',3,4',5',6-he... | 358              | C12H4Cl6 | 038380-04-0 | 99   |



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Quant Title : SVOA CALIBRATION

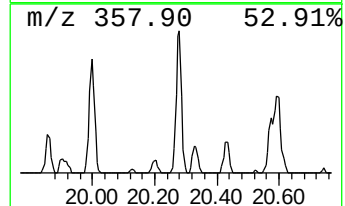
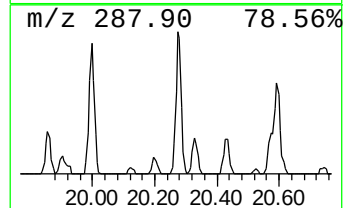
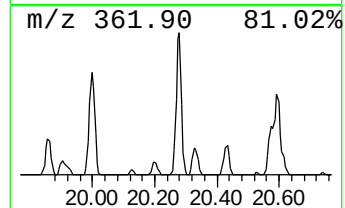
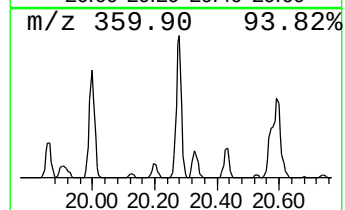
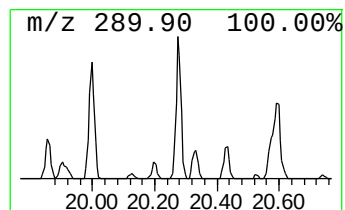
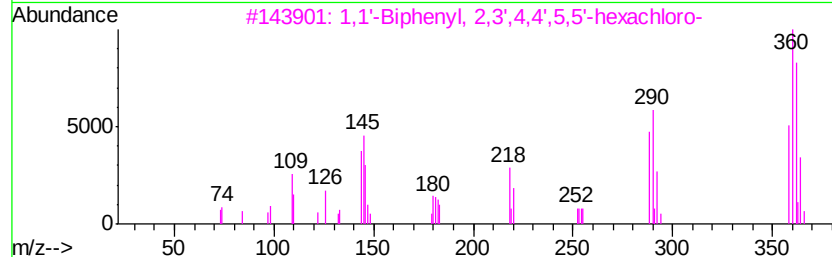
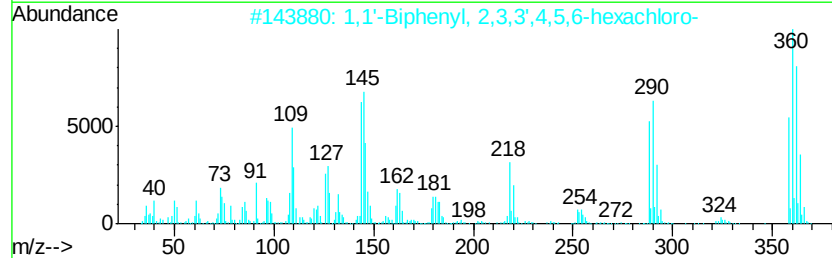
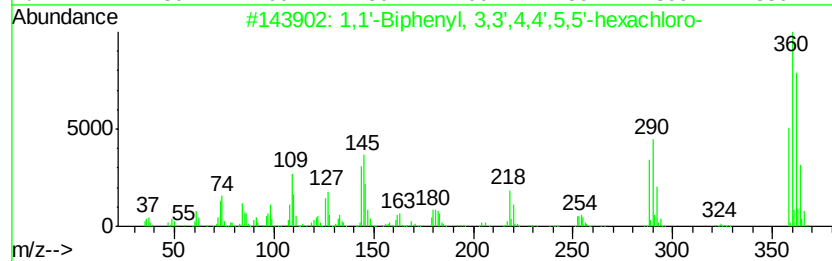
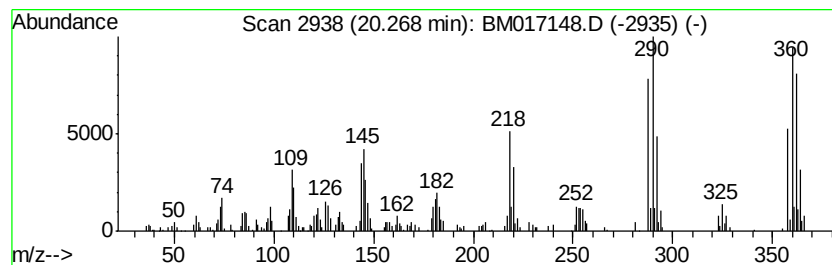
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.27 | 3.11 ng/ul | 486268 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

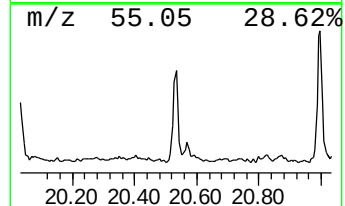
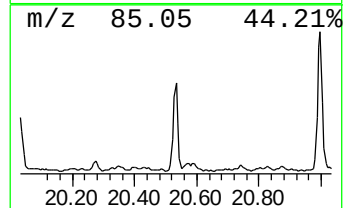
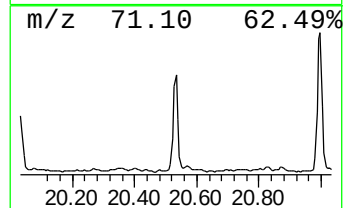
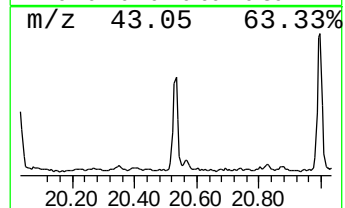
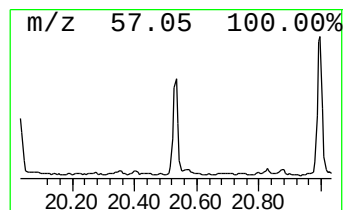
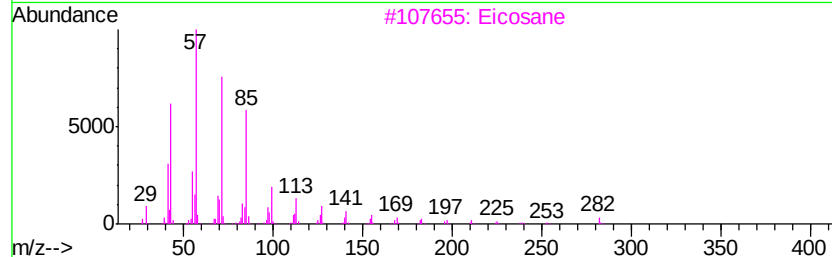
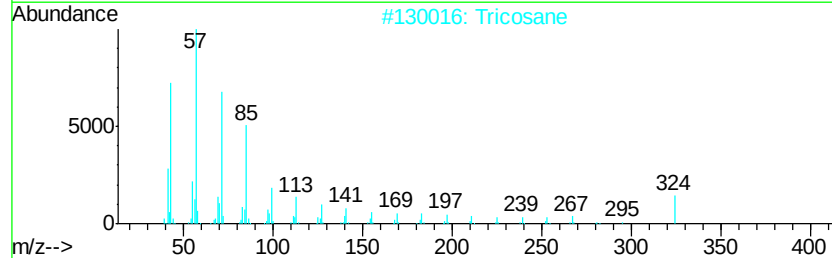
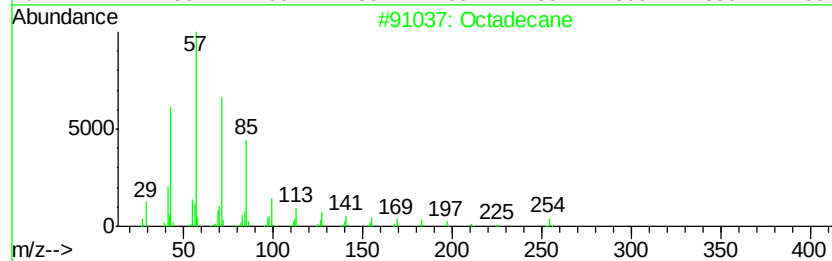
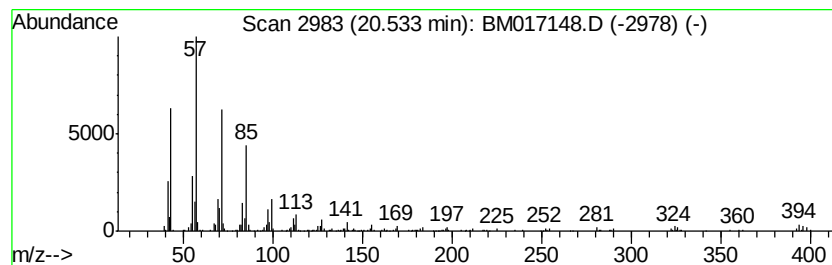
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.53 | 2.55 ng/ul | 398462 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane     | 254 | C18H38  | 000593-45-3 | 95   |
| 2    |    | Tricosane      | 324 | C23H48  | 000638-67-5 | 95   |
| 3    |    | Eicosane       | 282 | C20H42  | 000112-95-8 | 94   |
| 4    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 90   |
| 5    |    | Pentacosane    | 352 | C25H52  | 000629-99-2 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

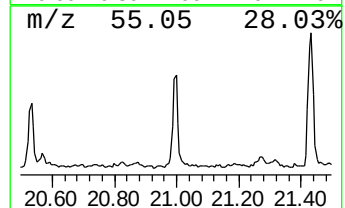
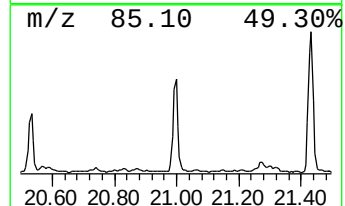
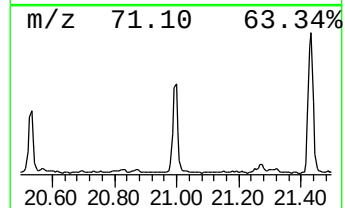
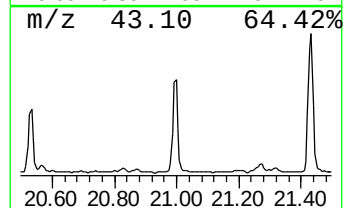
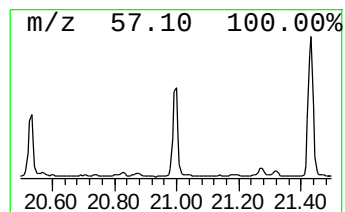
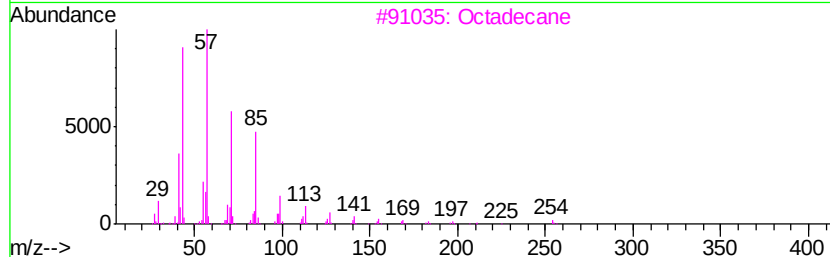
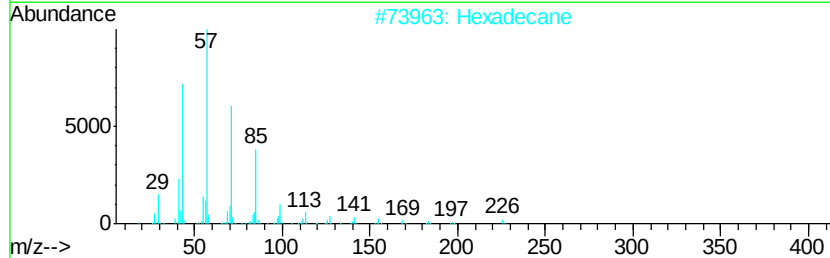
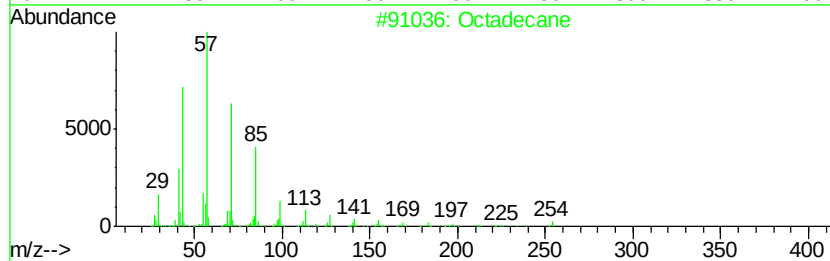
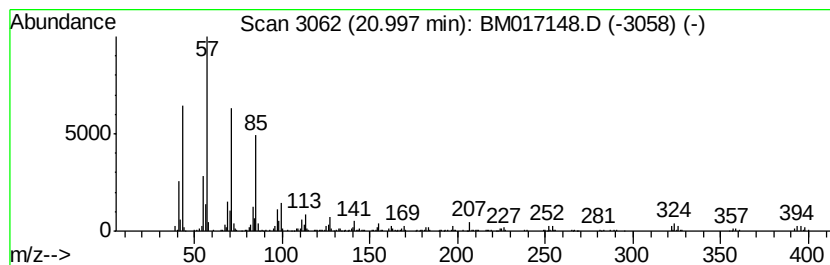
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.00 | 4.72 ng/ul | 738516 | Chrysene-d12     | 21.27 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 98   |
| 2    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 97   |
| 3    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 96   |
| 4    |    |   | Tricosane    | 324 | C23H48  | 000638-67-5 | 93   |
| 5    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 92   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

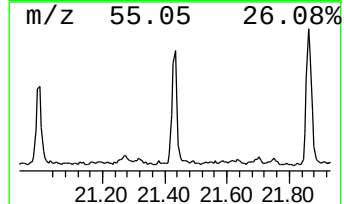
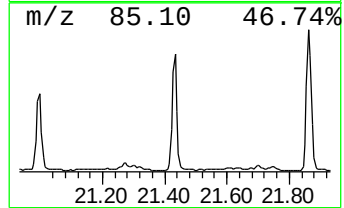
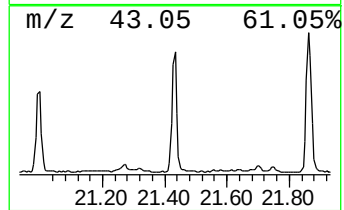
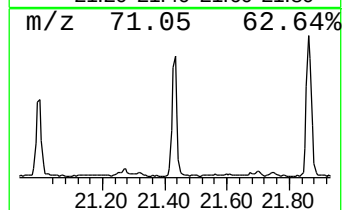
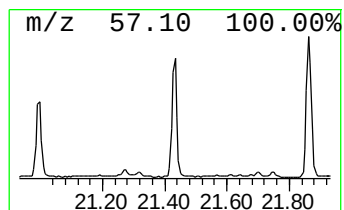
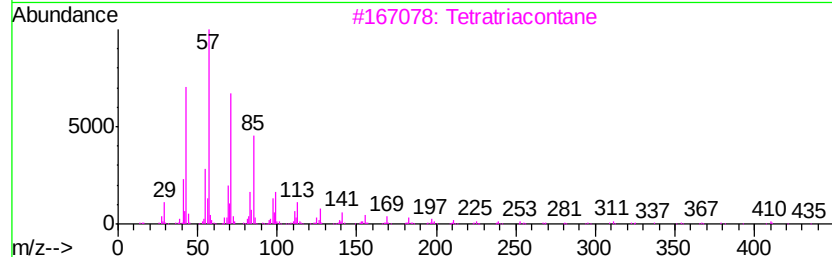
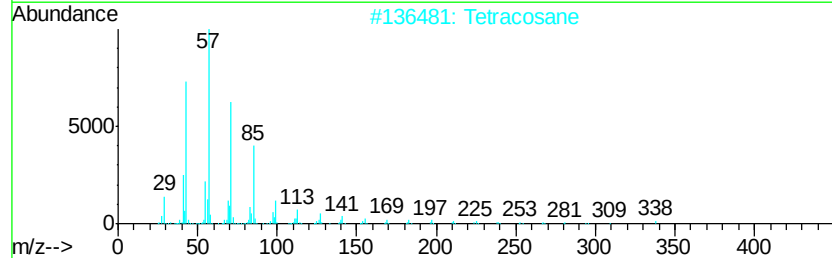
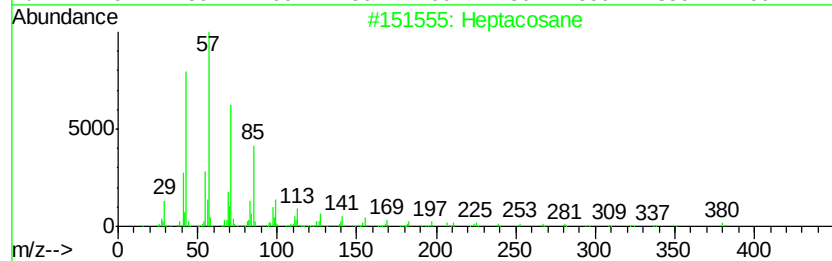
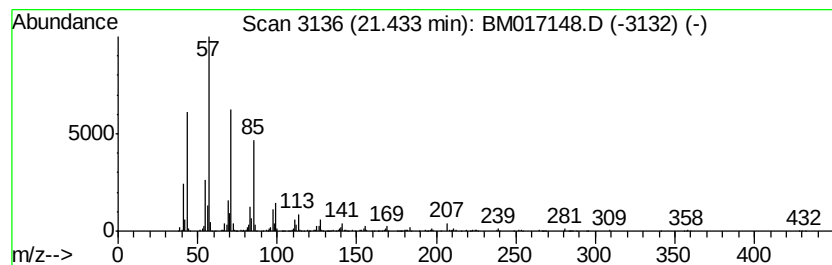
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.43 | 4.99 ng/ul | 780821 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane      | 380 | C27H56  | 000593-49-7 | 90   |
| 2    |    | Tetracosane      | 338 | C24H50  | 000646-31-1 | 87   |
| 3    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 87   |
| 4    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 87   |
| 5    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

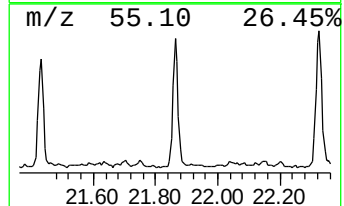
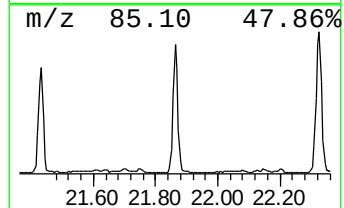
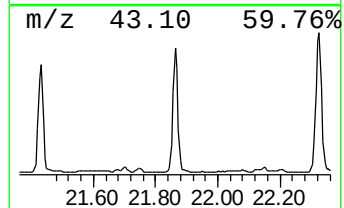
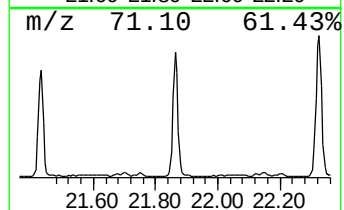
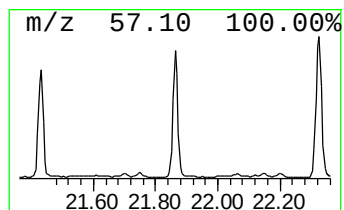
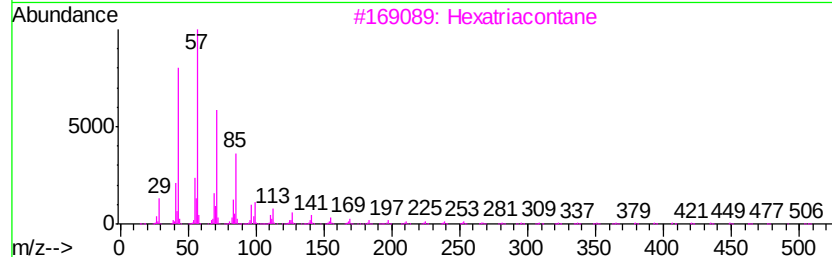
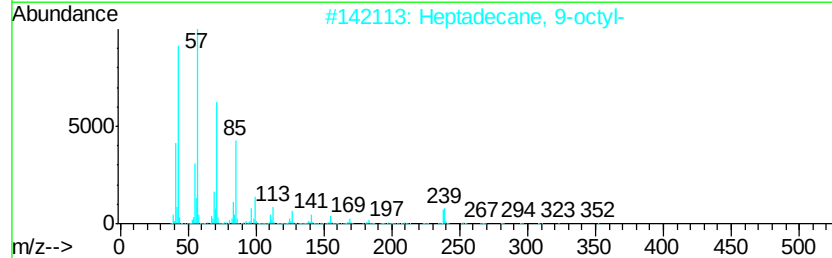
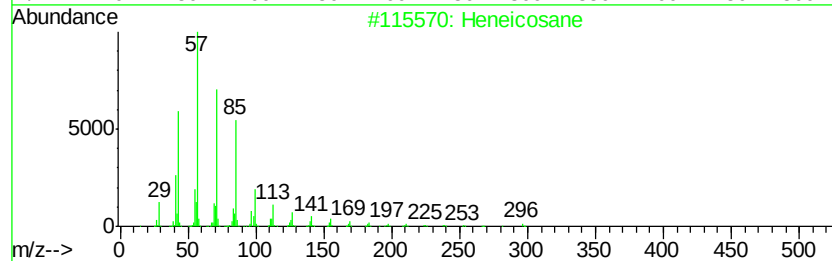
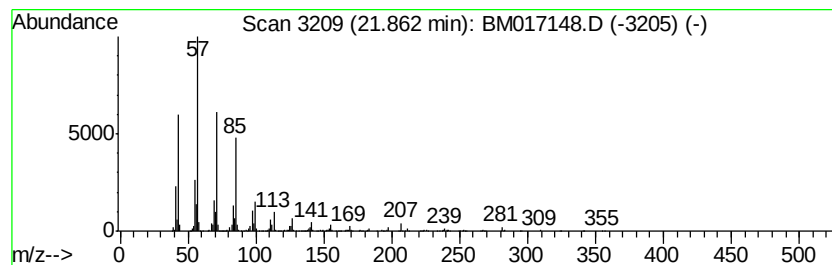
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.86 | 6.39 ng/ul | 999629 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | triacontane           | 422 | C30H62  | 000638-68-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

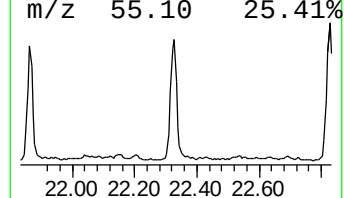
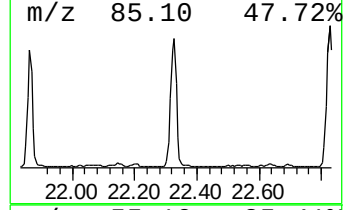
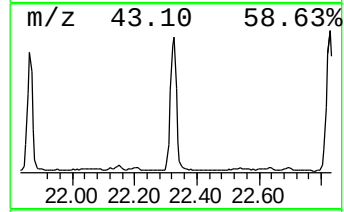
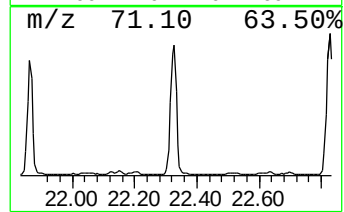
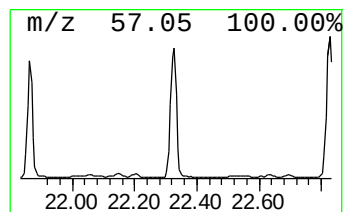
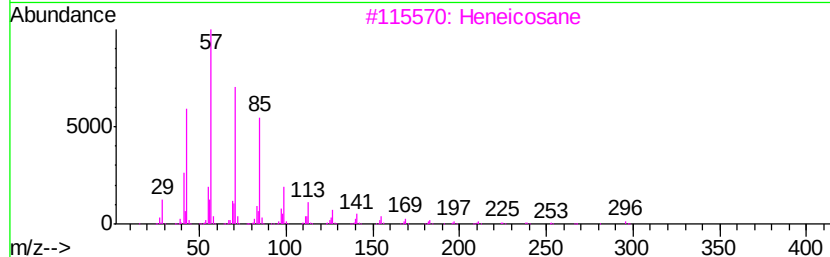
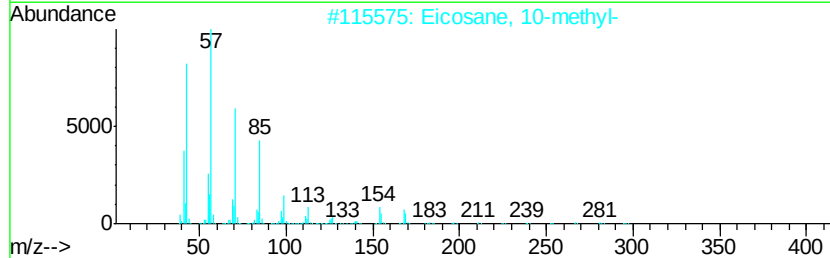
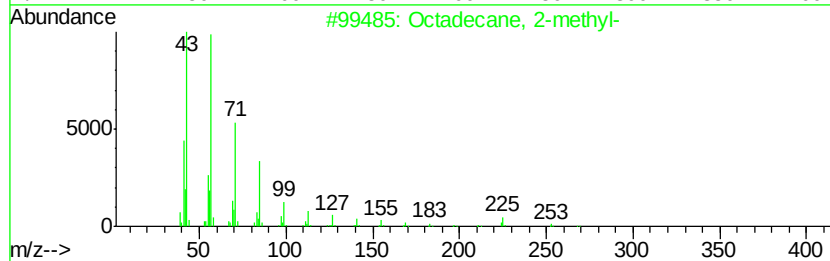
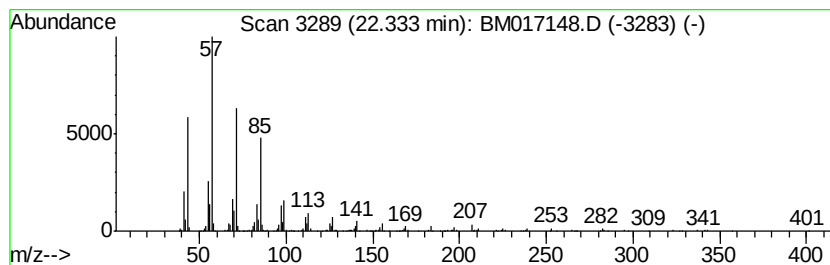
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.33 | 7.99 ng/ul | 1249940 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 93   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

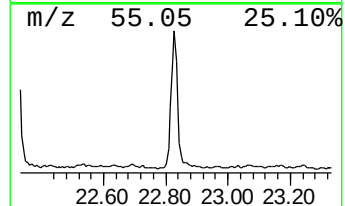
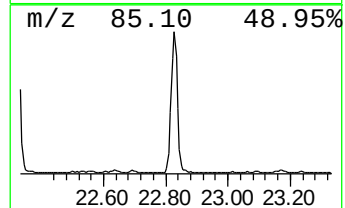
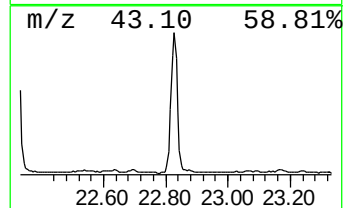
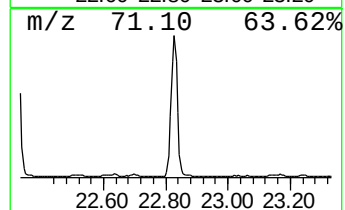
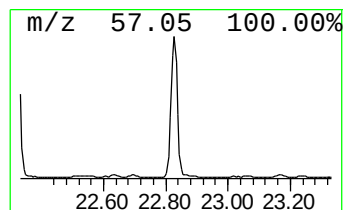
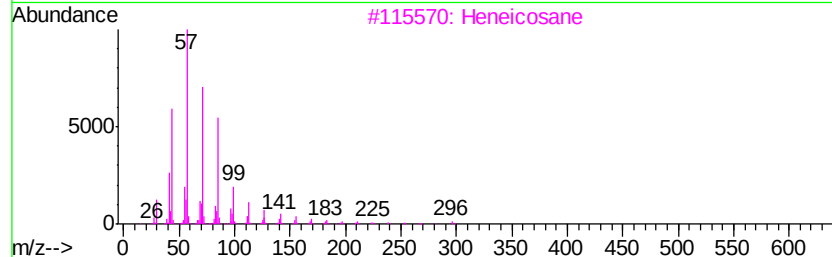
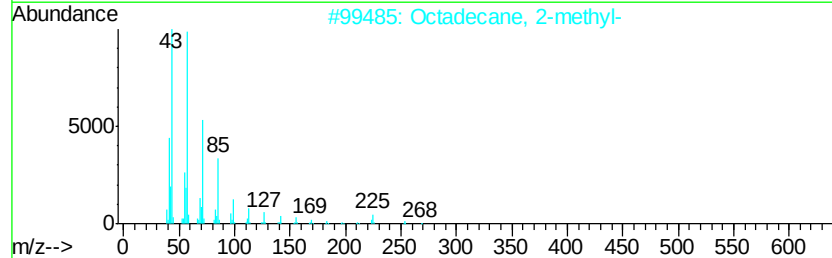
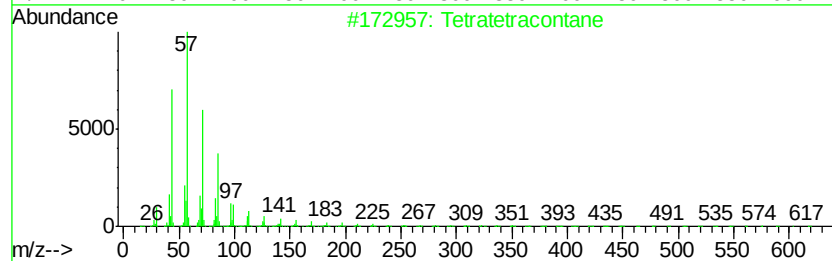
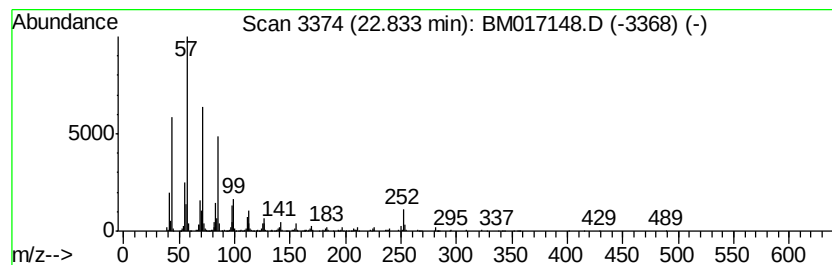
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.83 | 12.06 ng/ul | 1602450 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 93   |
| 2    |    | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 91   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 87   |
| 4    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 87   |
| 5    |    | Docosane              | 310 | C22H46  | 000629-97-0 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

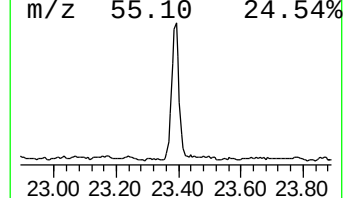
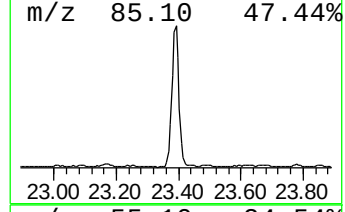
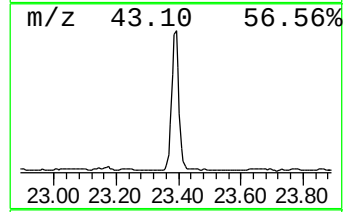
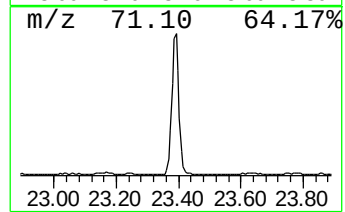
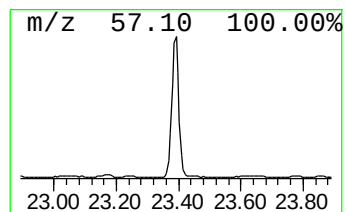
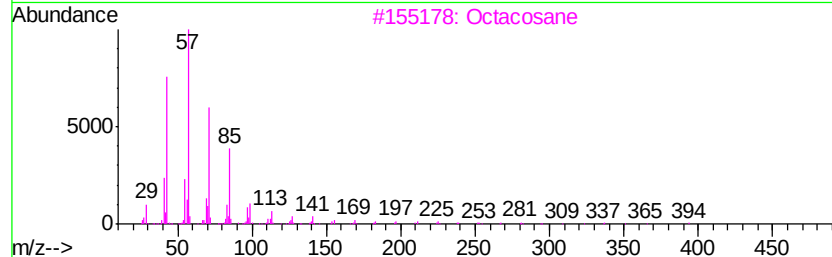
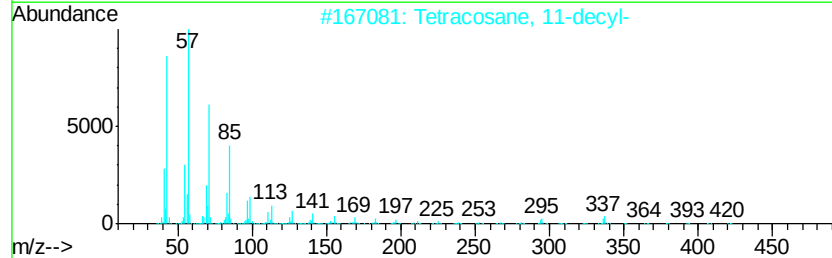
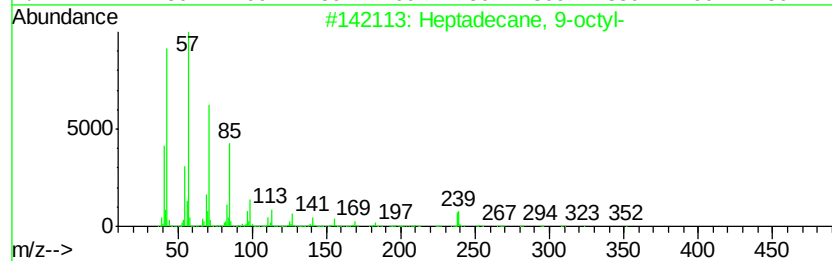
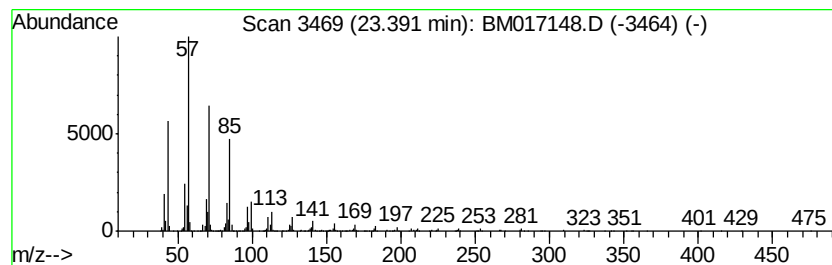
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 23.39 | 10.54 ng/ul | 1400100 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 2    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Hexacosane, 9-octyl-   | 479 | C34H70  | 055429-83-9 | 91   |
| 5    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

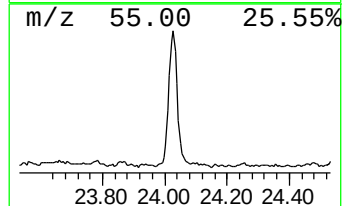
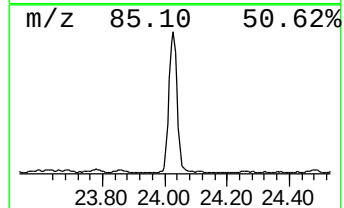
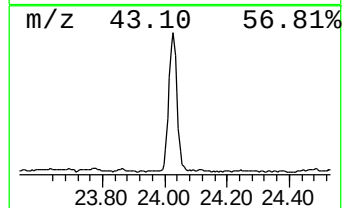
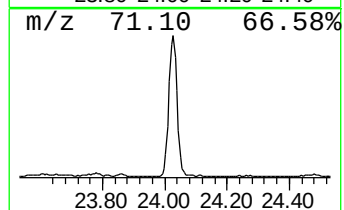
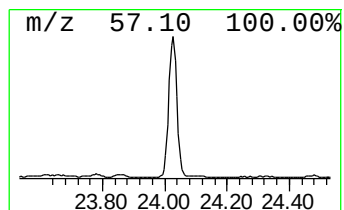
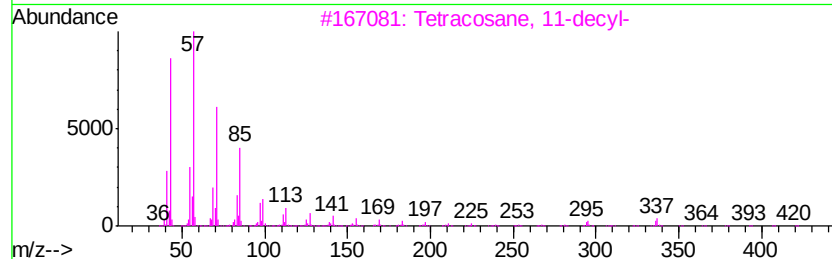
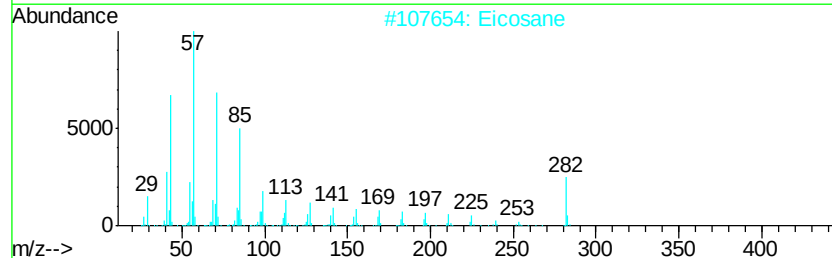
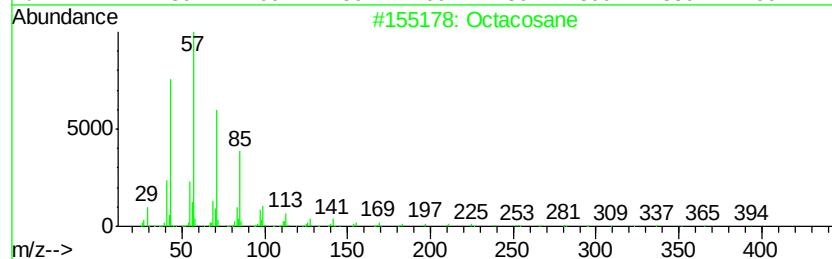
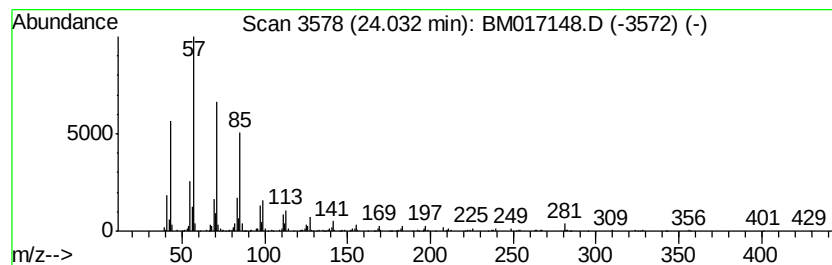
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.03 | 8.13 ng/ul | 1080050 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    | Eicosane               | 282 | C20H42  | 000112-95-8 | 91   |
| 3    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 4    |    | Tetratriacontane       | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
Data File : BM017148.D  
Acq On : 13 Oct 2018 15:44  
Operator : MJ/SJ  
Sample : J5402-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

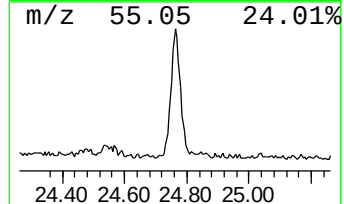
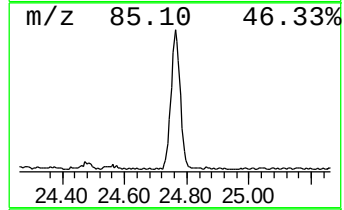
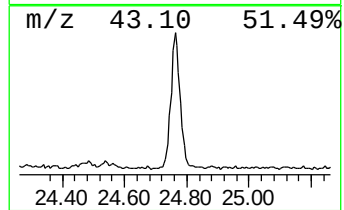
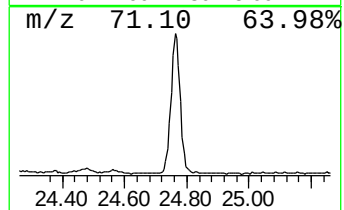
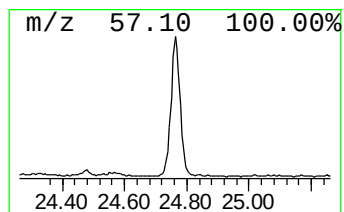
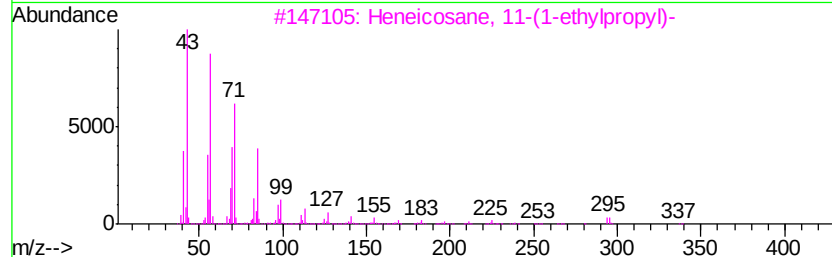
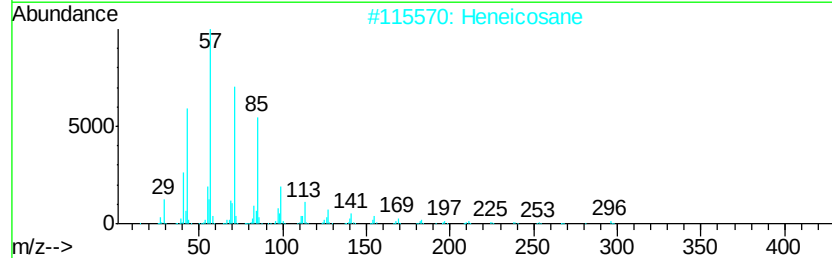
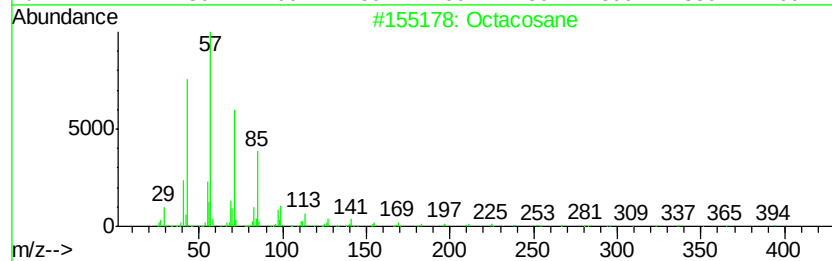
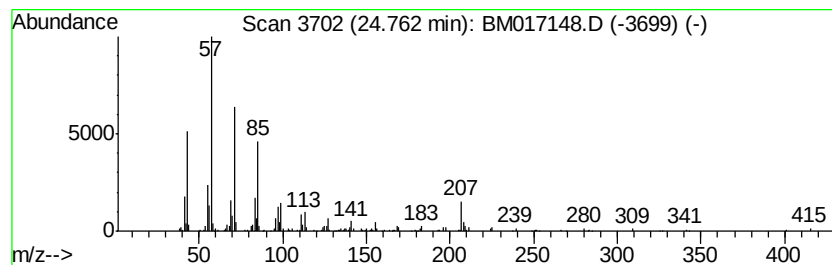
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.76 | 3.68 ng/ul | 489534 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane                       | 394 | C28H58  | 000630-02-4 | 87   |
| 2    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 87   |
| 3    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 83   |
| 4    |    | Heptadecane, 9-octyl-            | 352 | C25H52  | 007225-64-1 | 83   |
| 5    |    | Tetracosane                      | 338 | C24H50  | 000646-31-1 | 83   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
 Data File : BM017148.D  
 Acq On : 13 Oct 2018 15:44  
 Operator : MJ/SJ  
 Sample : J5402-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BG6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
 Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 3.17  | 21.3    | ng/ul | 916160   | 1                     | 7.69  | 860561  | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.29 | 2.1     | ng/ul | 332046   | 5                     | 21.27 | 3127670 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.00 | 2.8     | ng/ul | 439500   | 5                     | 21.27 | 3127670 | 20.0 |
| 1,1'-Biphenyl, 3,... | 20.27 | 3.1     | ng/ul | 486268   | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 20.53 | 2.5     | ng/ul | 398462   | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 21.00 | 4.7     | ng/ul | 738516   | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 21.43 | 5.0     | ng/ul | 780821   | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 21.86 | 6.4     | ng/ul | 999629   | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 22.33 | 8.0     | ng/ul | 1249940  | 5                     | 21.27 | 3127670 | 20.0 |
| (DEL) Alkane: Str... | 22.83 | 12.1    | ng/ul | 1602450  | 6                     | 23.49 | 2657750 | 20.0 |
| (DEL) Alkane: Str... | 23.39 | 10.5    | ng/ul | 1400100  | 6                     | 23.49 | 2657750 | 20.0 |
| (DEL) Alkane: Str... | 24.03 | 8.1     | ng/ul | 1080050  | 6                     | 23.49 | 2657750 | 20.0 |
| (DEL) Alkane: Str... | 24.76 | 3.7     | ng/ul | 489534   | 6                     | 23.49 | 2657750 | 20.0 |