

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
 Data File : BM002222.D  
 Acq On : 04 Aug 2015 22:42  
 Operator : TP/UM  
 Sample : G3073-01RE  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01L2RE

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.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         | 3.493       | 133           | 137         | 144          | rBB      | 29952          | 36758         | 0.22%           | 0.115%        |
| 2         | 6.716       | 680           | 685         | 694          | rVB      | 77204          | 124289        | 0.76%           | 0.388%        |
| 3         | 6.810       | 697           | 701         | 705          | rBV      | 16203          | 21450         | 0.13%           | 0.067%        |
| 4         | 6.863       | 705           | 710         | 716          | rVV      | 62824          | 88645         | 0.54%           | 0.277%        |
| 5         | 7.057       | 737           | 743         | 750          | rBB      | 87157          | 129394        | 0.79%           | 0.404%        |
| 6         | 7.522       | 814           | 822         | 829          | rBB      | 240534         | 375398        | 2.30%           | 1.172%        |
| 7         | 8.251       | 940           | 946         | 954          | rBB      | 74294          | 115773        | 0.71%           | 0.361%        |
| 8         | 8.686       | 1014          | 1020        | 1026         | rBV      | 73457          | 116094        | 0.71%           | 0.362%        |
| 9         | 9.404       | 1136          | 1142        | 1148         | rBB      | 64575          | 99864         | 0.61%           | 0.312%        |
| 10        | 9.951       | 1229          | 1235        | 1242         | rBV      | 87918          | 142137        | 0.87%           | 0.444%        |
| 11        | 10.310      | 1287          | 1296        | 1302         | rBV      | 329313         | 535091        | 3.27%           | 1.670%        |
| 12        | 10.463      | 1317          | 1322        | 1331         | rBV2     | 23211          | 38904         | 0.24%           | 0.121%        |
| 13        | 13.610      | 1851          | 1857        | 1861         | rBV      | 150663         | 196914        | 1.20%           | 0.615%        |
| 14        | 13.657      | 1861          | 1865        | 1872         | rVB      | 53614          | 74700         | 0.46%           | 0.233%        |
| 15        | 13.886      | 1898          | 1904        | 1916         | rVB      | 170300         | 260147        | 1.59%           | 0.812%        |
| 16        | 14.198      | 1951          | 1957        | 1964         | rBV2     | 428408         | 641812        | 3.93%           | 2.003%        |
| 17        | 14.457      | 1995          | 2001        | 2007         | rBV      | 20473          | 32819         | 0.20%           | 0.102%        |
| 18        | 14.598      | 2020          | 2025        | 2029         | rBV2     | 13535          | 20072         | 0.12%           | 0.063%        |
| 19        | 14.992      | 2085          | 2092        | 2096         | rBV5     | 9715           | 18324         | 0.11%           | 0.057%        |
| 20        | 15.051      | 2096          | 2102        | 2107         | rVB3     | 15850          | 21465         | 0.13%           | 0.067%        |
| 21        | 15.198      | 2121          | 2127        | 2133         | rBV      | 204654         | 295045        | 1.80%           | 0.921%        |
| 22        | 15.351      | 2150          | 2153        | 2159         | rBV3     | 15937          | 24379         | 0.15%           | 0.076%        |
| 23        | 15.457      | 2167          | 2171        | 2177         | rBV7     | 9323           | 17676         | 0.11%           | 0.055%        |
| 24        | 15.915      | 2244          | 2249        | 2257         | rBV5     | 26611          | 59260         | 0.36%           | 0.185%        |
| 25        | 16.462      | 2338          | 2342        | 2348         | rBV7     | 24389          | 52276         | 0.32%           | 0.163%        |
| 26        | 16.709      | 2380          | 2384        | 2388         | rBV2     | 54829          | 72467         | 0.44%           | 0.226%        |
| 27        | 16.756      | 2390          | 2392        | 2399         | rVB4     | 11891          | 17963         | 0.11%           | 0.056%        |
| 28        | 16.827      | 2399          | 2404        | 2408         | rBV3     | 22661          | 31573         | 0.19%           | 0.099%        |
| 29        | 16.909      | 2414          | 2418        | 2420         | rBV3     | 10895          | 16592         | 0.10%           | 0.052%        |
| 30        | 16.951      | 2420          | 2425        | 2429         | rVV      | 521621         | 741811        | 4.54%           | 2.315%        |
| 31        | 16.992      | 2429          | 2432        | 2437         | rVV      | 112589         | 158313        | 0.97%           | 0.494%        |
| 32        | 17.051      | 2437          | 2442        | 2446         | rVV      | 222918         | 314301        | 1.92%           | 0.981%        |
| 33        | 17.086      | 2446          | 2448        | 2452         | rVB      | 42281          | 43341         | 0.27%           | 0.135%        |
| 34        | 17.127      | 2452          | 2455        | 2459         | rBV3     | 29345          | 41368         | 0.25%           | 0.129%        |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01L2RE

## Integration Parameters: LSCINT.P

Integrator: RTE  
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 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 17.445 | 2505 | 2509 | 2512 | rVB4 | 15913    | 19439    | 0.12%   | 0.061%  |
| 36 | 17.556 | 2521 | 2528 | 2532 | rVB2 | 68212    | 138948   | 0.85%   | 0.434%  |
| 37 | 17.674 | 2543 | 2548 | 2551 | rBV6 | 17194    | 32184    | 0.20%   | 0.100%  |
| 38 | 17.803 | 2565 | 2570 | 2572 | rBV4 | 26354    | 39974    | 0.24%   | 0.125%  |
| 39 | 17.851 | 2575 | 2578 | 2586 | rVV3 | 62012    | 144295   | 0.88%   | 0.450%  |
| 40 | 17.921 | 2586 | 2590 | 2594 | rVV  | 109156   | 138993   | 0.85%   | 0.434%  |
| 41 | 17.956 | 2594 | 2596 | 2601 | rVV3 | 23438    | 30782    | 0.19%   | 0.096%  |
| 42 | 18.021 | 2602 | 2607 | 2611 | rVV2 | 170267   | 238615   | 1.46%   | 0.745%  |
| 43 | 18.080 | 2614 | 2617 | 2621 | rVV2 | 54602    | 68389    | 0.42%   | 0.213%  |
| 44 | 18.121 | 2621 | 2624 | 2629 | rVV3 | 28019    | 44274    | 0.27%   | 0.138%  |
| 45 | 18.309 | 2652 | 2656 | 2663 | rBV4 | 83758    | 143102   | 0.88%   | 0.447%  |
| 46 | 18.486 | 2683 | 2686 | 2691 | rVB3 | 39532    | 50282    | 0.31%   | 0.157%  |
| 47 | 18.874 | 2745 | 2752 | 2762 | rVB5 | 158386   | 369110   | 2.26%   | 1.152%  |
| 48 | 18.962 | 2764 | 2767 | 2771 | rVB2 | 44724    | 60709    | 0.37%   | 0.189%  |
| 49 | 19.021 | 2772 | 2777 | 2782 | rBV  | 324669   | 441081   | 2.70%   | 1.377%  |
| 50 | 19.080 | 2783 | 2787 | 2792 | rBV3 | 63990    | 105623   | 0.65%   | 0.330%  |
| 51 | 19.162 | 2797 | 2801 | 2808 | rVB2 | 253947   | 346509   | 2.12%   | 1.082%  |
| 52 | 19.227 | 2809 | 2812 | 2817 | rBV  | 72974    | 91231    | 0.56%   | 0.285%  |
| 53 | 19.362 | 2830 | 2835 | 2837 | rBV2 | 306548   | 442674   | 2.71%   | 1.382%  |
| 54 | 19.386 | 2837 | 2839 | 2843 | rVB  | 214355   | 272018   | 1.66%   | 0.849%  |
| 55 | 19.503 | 2856 | 2859 | 2864 | rBV  | 88501    | 104022   | 0.64%   | 0.325%  |
| 56 | 19.615 | 2874 | 2878 | 2885 | rVB2 | 206289   | 272839   | 1.67%   | 0.852%  |
| 57 | 19.874 | 2919 | 2922 | 2928 | rVV3 | 178521   | 261563   | 1.60%   | 0.816%  |
| 58 | 19.933 | 2929 | 2932 | 2938 | rVB  | 145396   | 177503   | 1.09%   | 0.554%  |
| 59 | 20.156 | 2966 | 2970 | 2974 | rBV  | 234574   | 284698   | 1.74%   | 0.889%  |
| 60 | 20.286 | 2989 | 2992 | 2995 | rBV2 | 70963    | 103415   | 0.63%   | 0.323%  |
| 61 | 20.392 | 3006 | 3010 | 3016 | rVB  | 503188   | 597604   | 3.66%   | 1.865%  |
| 62 | 20.456 | 3018 | 3021 | 3022 | rVV2 | 78815    | 88901    | 0.54%   | 0.277%  |
| 63 | 20.480 | 3022 | 3025 | 3030 | rVB  | 168697   | 222709   | 1.36%   | 0.695%  |
| 64 | 20.627 | 3047 | 3050 | 3052 | rBV2 | 84564    | 109418   | 0.67%   | 0.342%  |
| 65 | 21.086 | 3121 | 3128 | 3131 | rBV  | 13859627 | 16348553 | 100.00% | 51.029% |
| 66 | 21.162 | 3135 | 3141 | 3145 | rBV2 | 764194   | 1262863  | 7.72%   | 3.942%  |
| 67 | 21.656 | 3222 | 3225 | 3232 | rVB  | 224438   | 269380   | 1.65%   | 0.841%  |
| 68 | 21.803 | 3246 | 3250 | 3255 | rBV2 | 409327   | 554194   | 3.39%   | 1.730%  |
| 69 | 21.897 | 3263 | 3266 | 3271 | rBV4 | 197837   | 319854   | 1.96%   | 0.998%  |
| 70 | 21.950 | 3272 | 3275 | 3278 | rBV3 | 245361   | 373678   | 2.29%   | 1.166%  |
| 71 | 22.109 | 3299 | 3302 | 3304 | rBV3 | 140741   | 189304   | 1.16%   | 0.591%  |

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

## 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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 72 | 22.656 | 3392 | 3395 | 3398 | rBV  | 242459 | 284471 | 1.74% | 0.888% |
| 73 | 22.697 | 3399 | 3402 | 3407 | rVB  | 198270 | 288857 | 1.77% | 0.902% |
| 74 | 23.203 | 3484 | 3488 | 3493 | rVB2 | 332210 | 504222 | 3.08% | 1.574% |
| 75 | 23.350 | 3508 | 3513 | 3518 | rVB  | 390569 | 661432 | 4.05% | 2.065% |
| 76 | 23.815 | 3588 | 3592 | 3598 | rVB  | 308697 | 563415 | 3.45% | 1.759% |

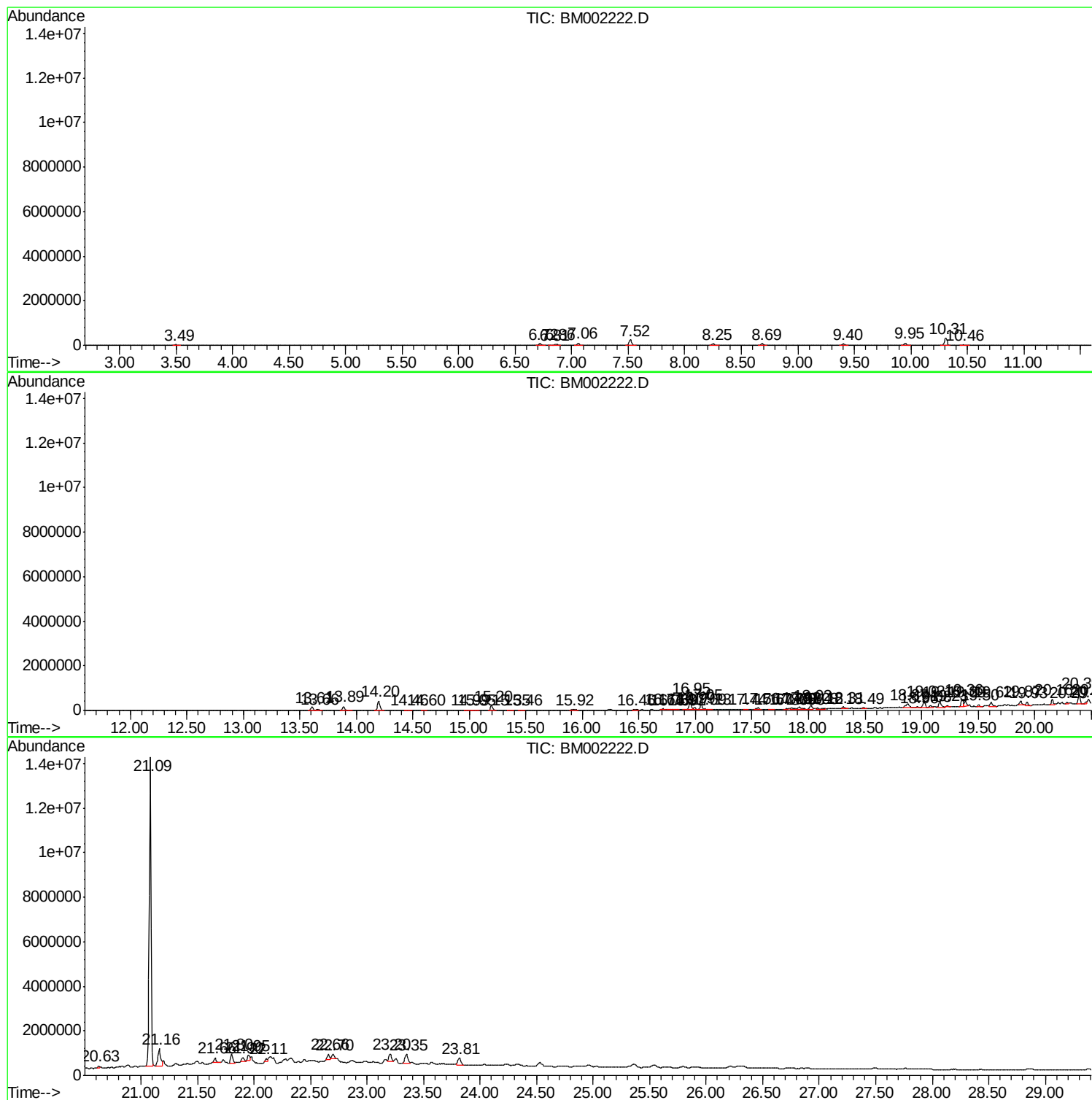
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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



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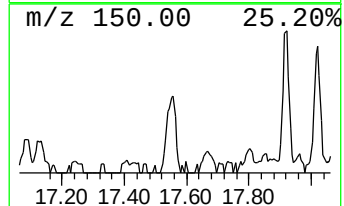
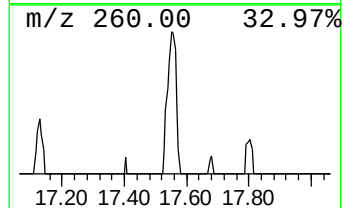
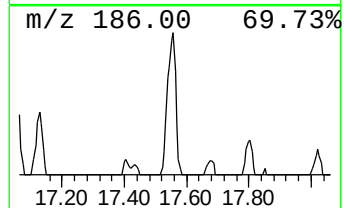
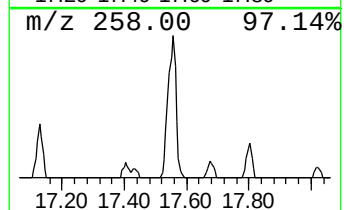
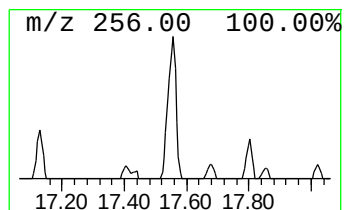
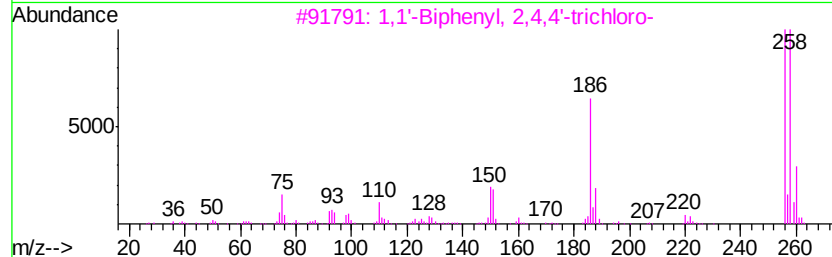
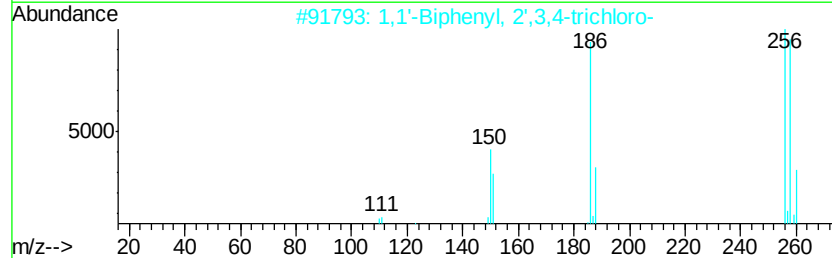
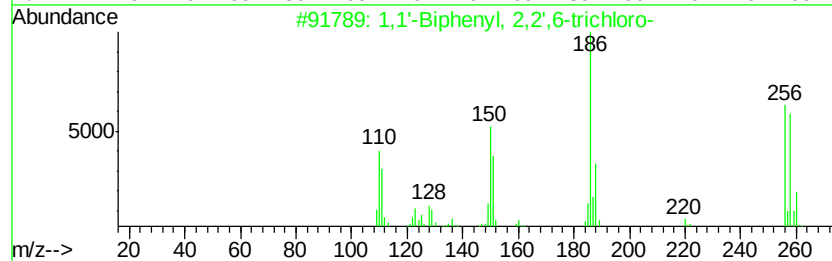
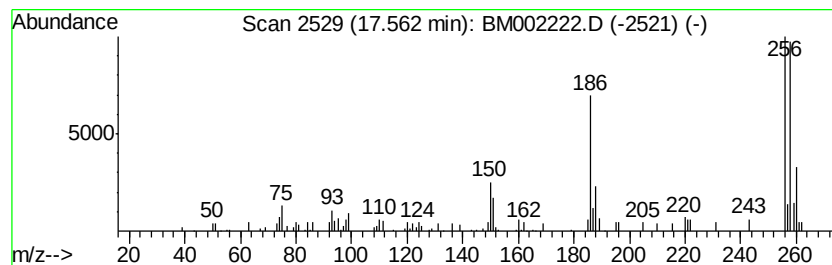
Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 15

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|--------|------------------|-------------|------|
| 17.56     | 3.75 ng/ul                       | 138948 | Phenanthrene-d10 | 16.95       |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',6-trichloro- | 256    | C12H7Cl3         | 038444-73-4 | 97   |
| 2         | 1,1'-Biphenyl, 2',3,4-trichloro- | 256    | C12H7Cl3         | 038444-86-9 | 96   |
| 3         | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256    | C12H7Cl3         | 007012-37-5 | 95   |
| 4         | 1,1'-Biphenyl, 3,4,4'-Trichloro- | 256    | C12H7Cl3         | 038444-90-5 | 95   |
| 5         | 1,1'-Biphenyl, 2,4,5-trichloro-  | 256    | C12H7Cl3         | 015862-07-4 | 95   |



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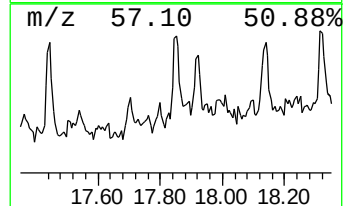
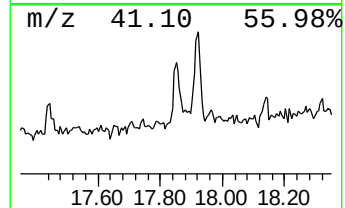
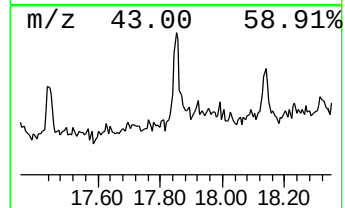
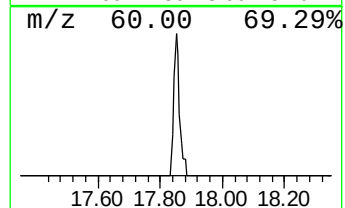
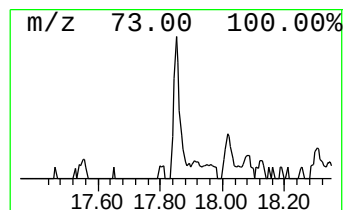
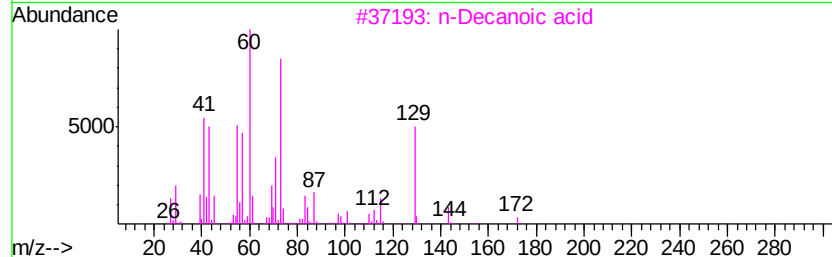
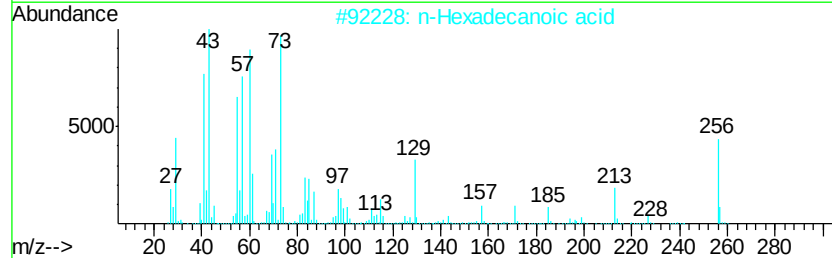
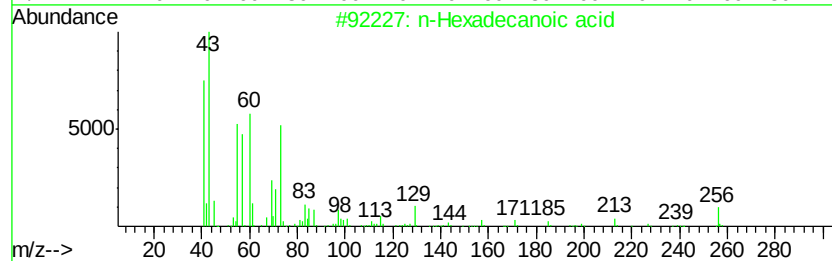
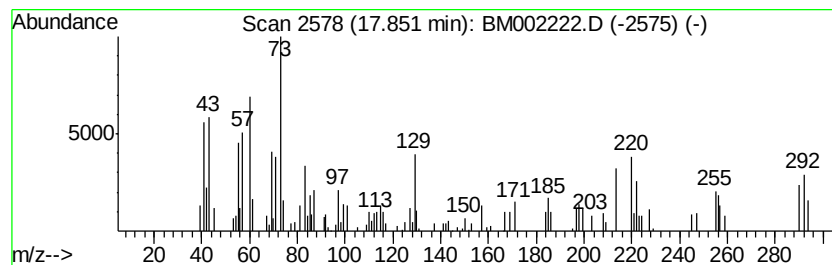
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 13

| R.T.    | EstConc             | Area         | Relative to ISTD |          | R.T.        |      |
|---------|---------------------|--------------|------------------|----------|-------------|------|
| 17.85   | 3.89 ng/ul          | 144295       | Phenanthrene-d10 |          | 16.95       |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 55   |
| 2       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 22   |
| 3       | n-Decanoic acid     |              | 172              | C10H20O2 | 000334-48-5 | 14   |
| 4       | n-Decanoic acid     |              | 172              | C10H20O2 | 000334-48-5 | 14   |
| 5       | Pentadecanoic acid  |              | 242              | C15H30O2 | 001002-84-2 | 14   |



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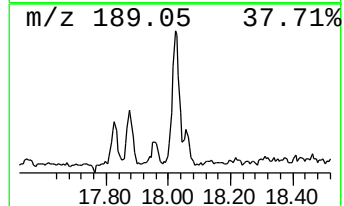
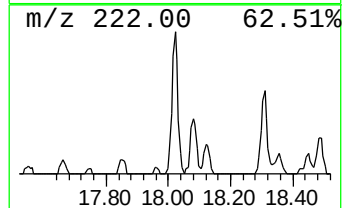
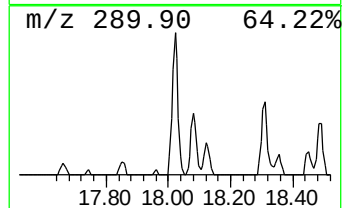
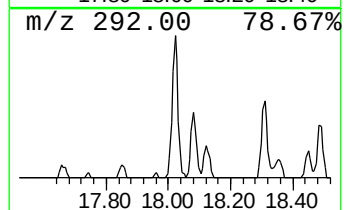
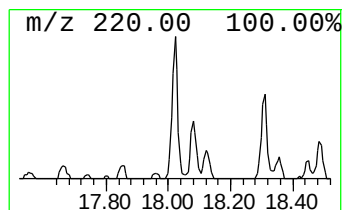
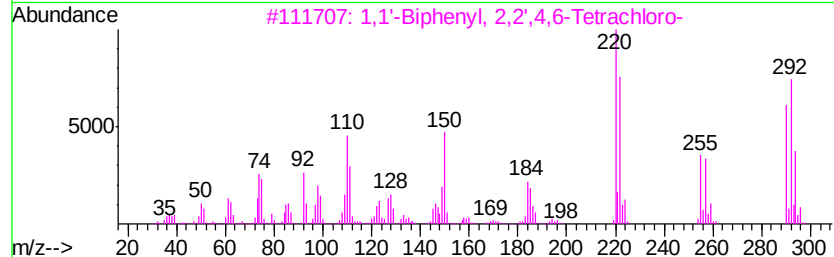
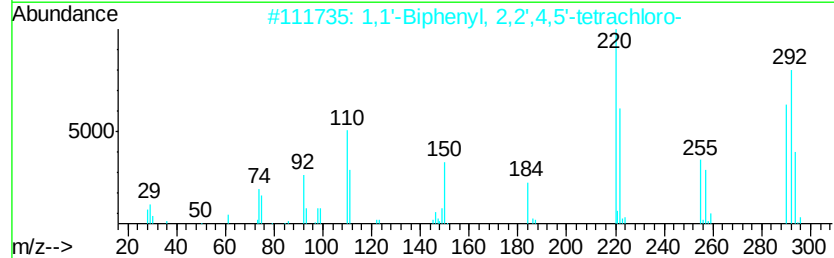
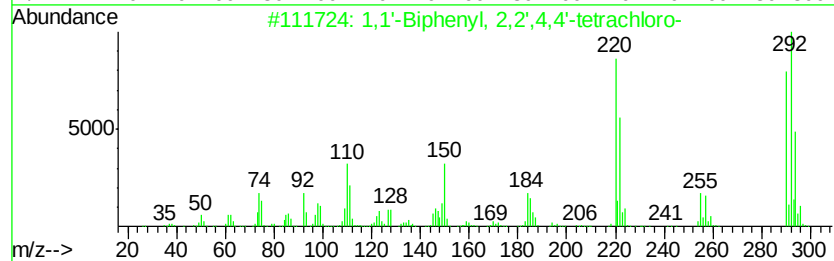
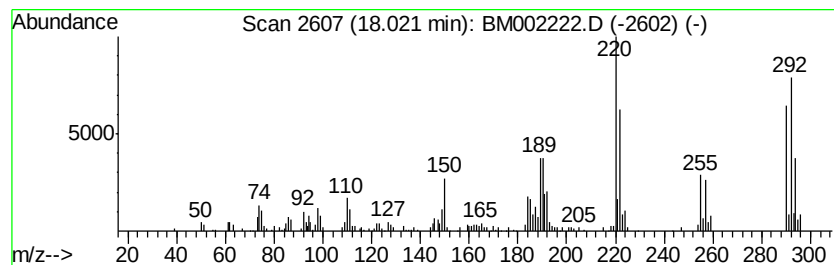
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.02     | 6.43 ng/ul                          | 238615 | Phenanthrene-d10 | 16.95       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 2         | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290    | C12H6Cl4         | 041464-40-8 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',4,6-Tetrachl... | 290    | C12H6Cl4         | 062796-65-0 | 99   |
| 4         | 1,1'-Biphenyl, 2,2',5,6-Tetrachl... | 290    | C12H6Cl4         | 041464-41-9 | 99   |
| 5         | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290    | C12H6Cl4         | 041464-49-7 | 97   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

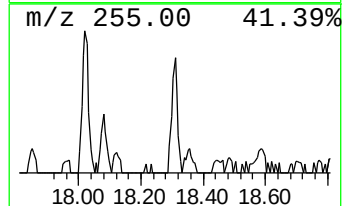
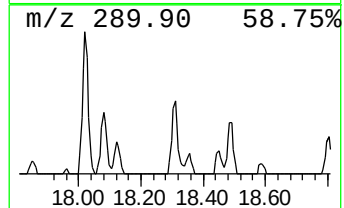
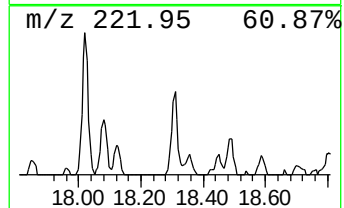
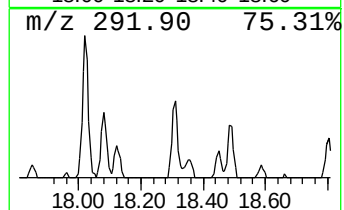
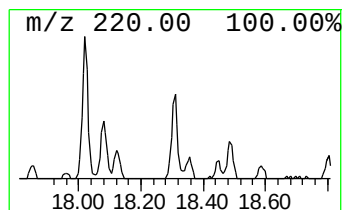
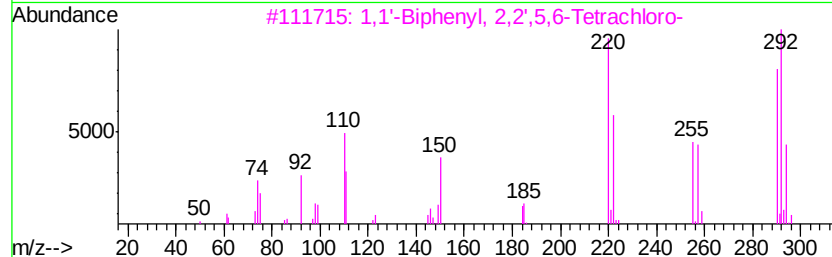
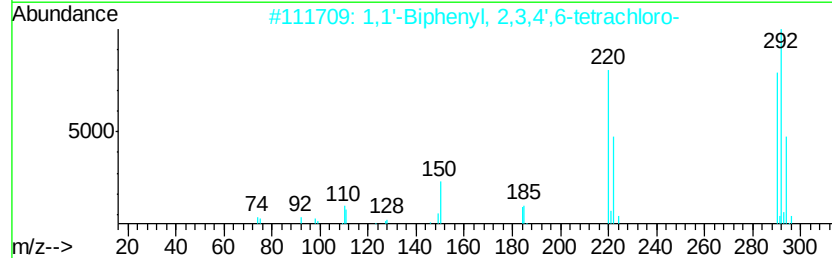
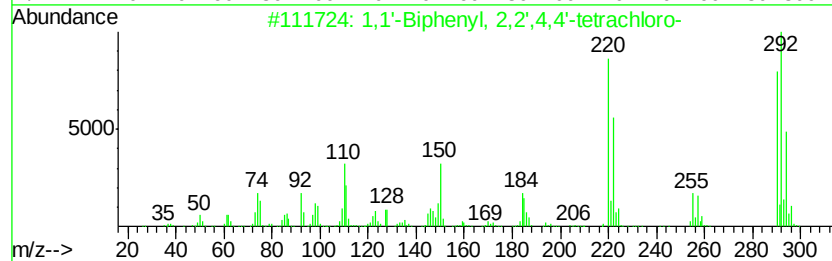
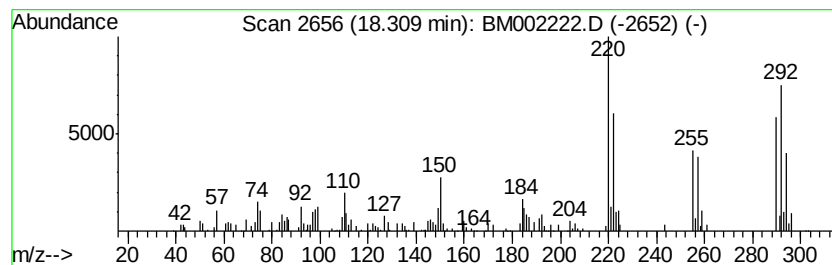
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.31 | 3.86 ng/ul | 143102 | Phenanthrene-d10 | 16.95 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99   |
| 2    |    |   | 1,1'-Biphenyl, 2,3,4',6-tetrachl... | 290 | C12H6Cl4 | 052663-58-8 | 99   |
| 3    |    |   | 1,1'-Biphenyl, 2,2',5,6-Tetrachl... | 290 | C12H6Cl4 | 041464-41-9 | 98   |
| 4    |    |   | 1,1'-Biphenyl, 2,2',4,6-Tetrachl... | 290 | C12H6Cl4 | 062796-65-0 | 96   |
| 5    |    |   | 1,1'-Biphenyl, 2,2',5,6-Tetrachl... | 290 | C12H6Cl4 | 041464-41-9 | 95   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

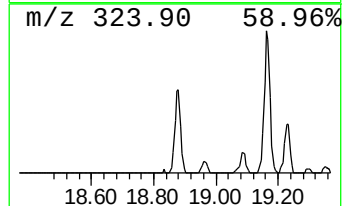
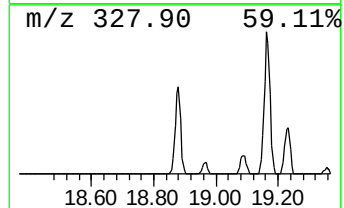
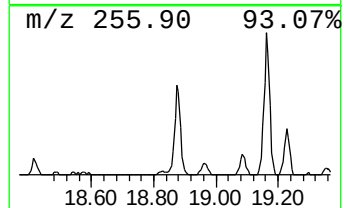
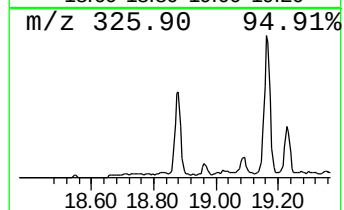
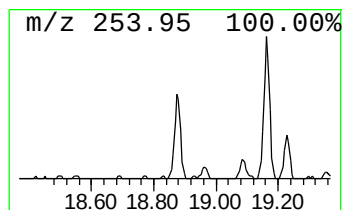
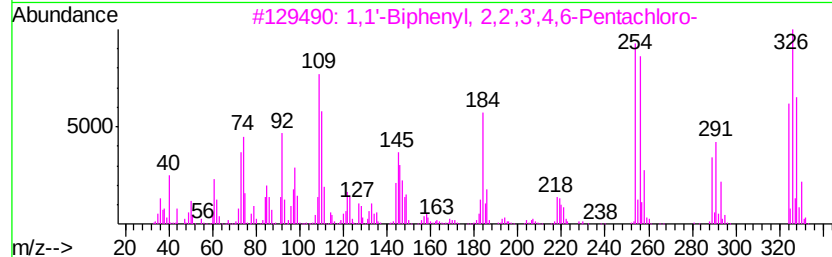
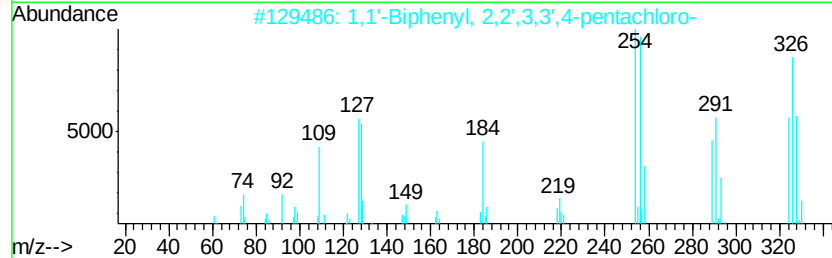
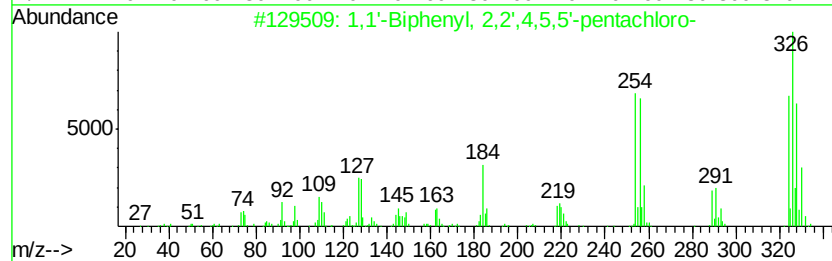
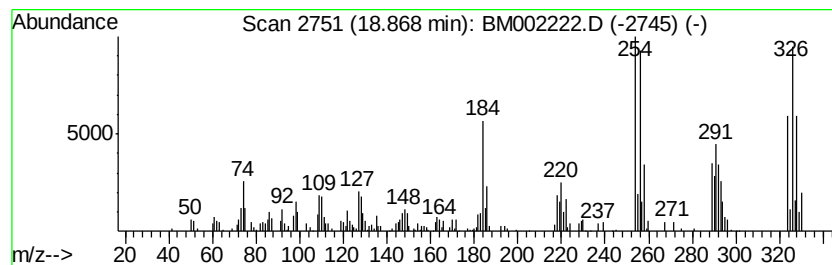
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.87 | 9.95 ng/ul | 369110 | Phenanthrene-d10 | 16.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5 | 037680-73-2 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,3',4-penta... | 324 | C12H5Cl5 | 052663-62-4 | 97   |
| 3    |    | 1,1'-Biphenyl, 2,2',3',4,6-Penta... | 324 | C12H5Cl5 | 060233-25-2 | 96   |
| 4    |    | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 96   |
| 5    |    | 1,1'-Biphenyl, 2,2',3,4,5'-penta... | 324 | C12H5Cl5 | 038380-02-8 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

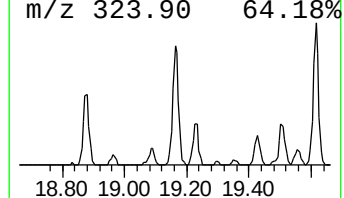
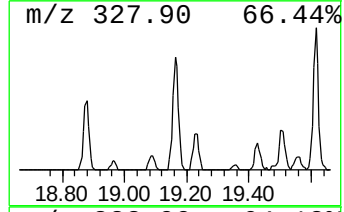
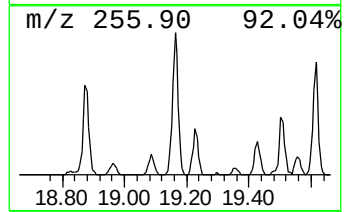
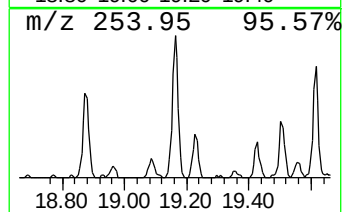
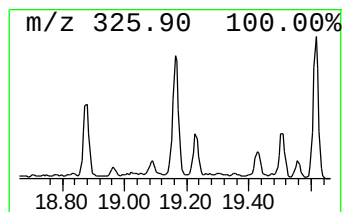
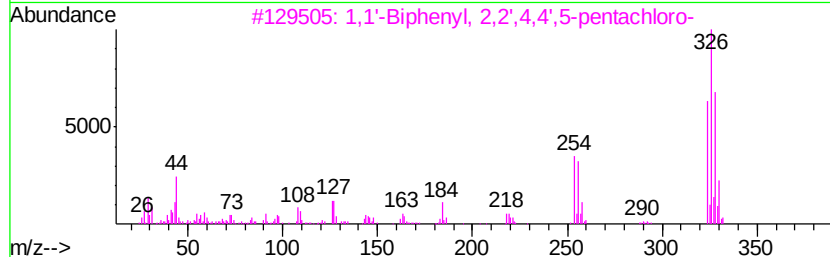
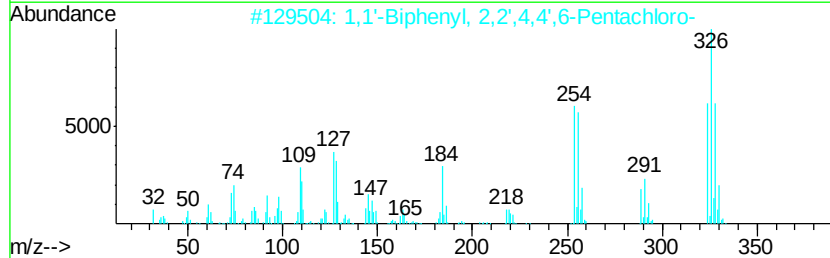
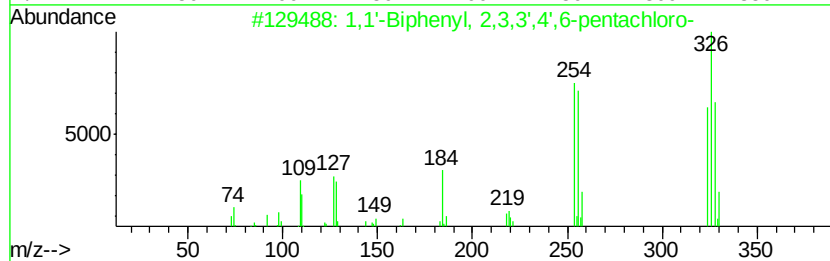
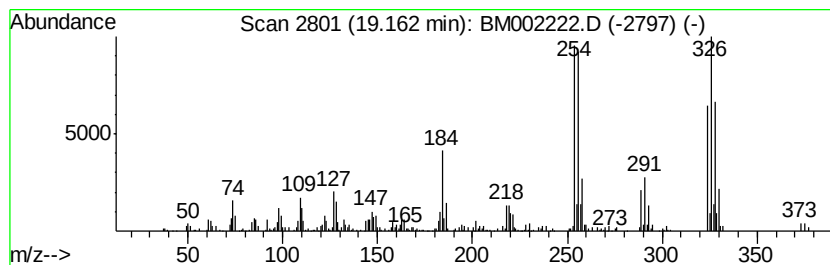
Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 7

| R.T.    | EstConc        | Area                 | Relative to ISTD | R.T.     |             |      |
|---------|----------------|----------------------|------------------|----------|-------------|------|
| 19.16   | 5.49 ng/ul     | 346509               | Chrysene-d12     | 21.16    |             |      |
| Hit# of | 5              | Tentative ID         | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'-Biphenyl, | 2,3,3',4',6-penta... | 324              | C12H5Cl5 | 038380-03-9 | 99   |
| 2       | 1,1'-Biphenyl, | 2,2',4,4',6-Penta... | 324              | C12H5Cl5 | 039485-83-1 | 99   |
| 3       | 1,1'-Biphenyl, | 2,2',4,4',5-penta... | 324              | C12H5Cl5 | 038380-01-7 | 98   |
| 4       | 1,1'-Biphenyl, | 2,2',3,5,5'-penta... | 324              | C12H5Cl5 | 052663-61-3 | 96   |
| 5       | 1,1'-Biphenyl, | 2,2',4,4',5-penta... | 324              | C12H5Cl5 | 038380-01-7 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

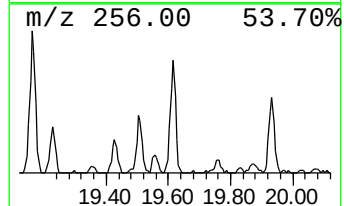
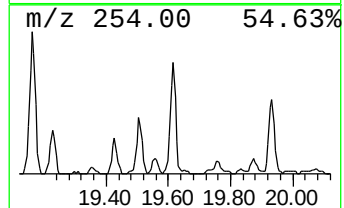
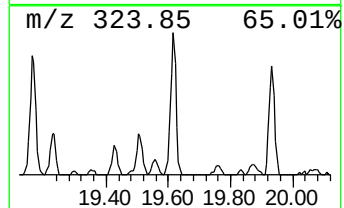
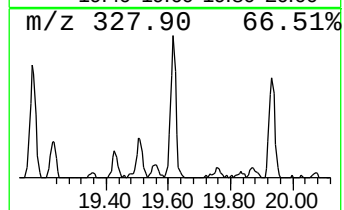
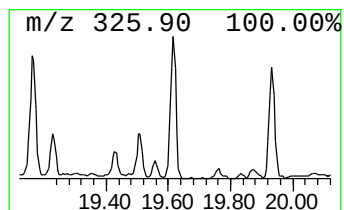
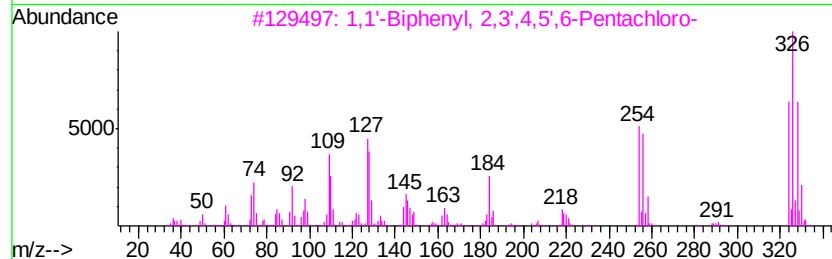
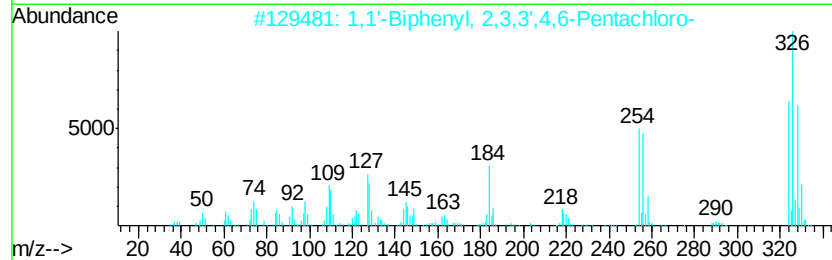
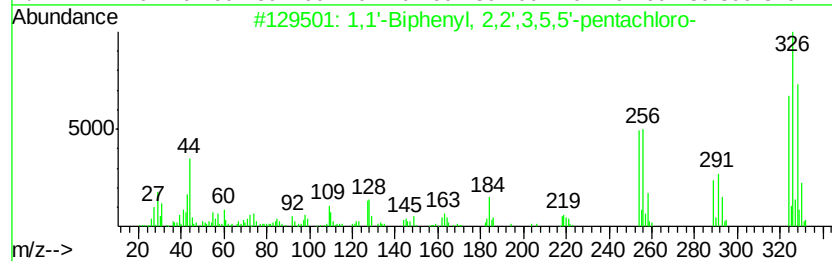
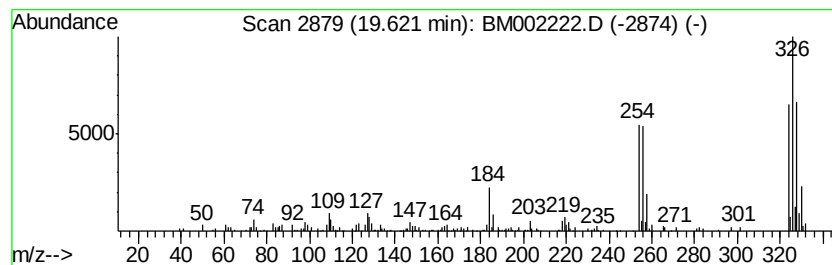
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.62 | 4.32 ng/ul | 272839 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 97   |
| 2    |    | 1,1'-Biphenyl, 2,3,3',4,6-Pentac... | 324 | C12H5Cl5 | 074472-35-8 | 95   |
| 3    |    | 1,1'-Biphenyl, 2,3',4,5',6-Penta... | 324 | C12H5Cl5 | 056558-18-0 | 95   |
| 4    |    | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324 | C12H5Cl5 | 039485-83-1 | 95   |
| 5    |    | 1,1'-Biphenyl, 2,2',3',4,5-Penta... | 324 | C12H5Cl5 | 041464-51-1 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

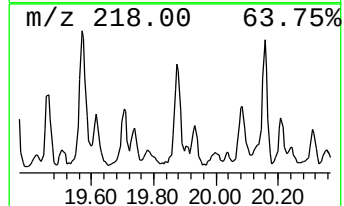
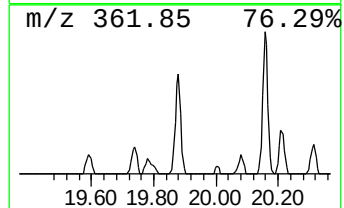
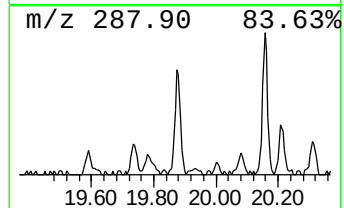
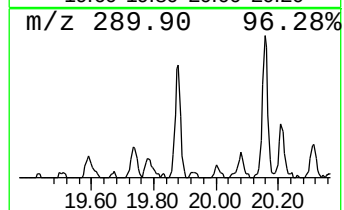
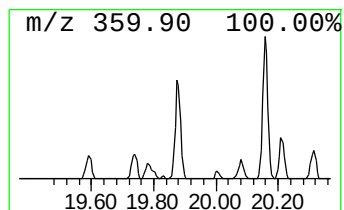
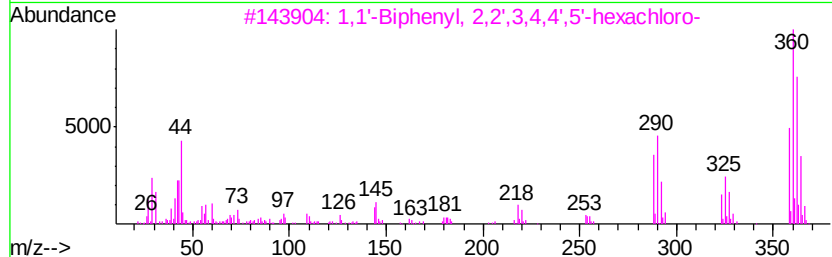
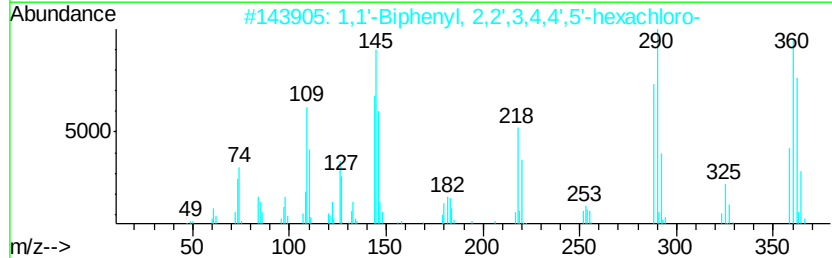
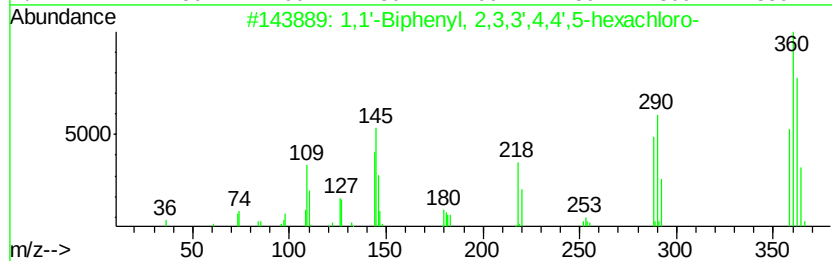
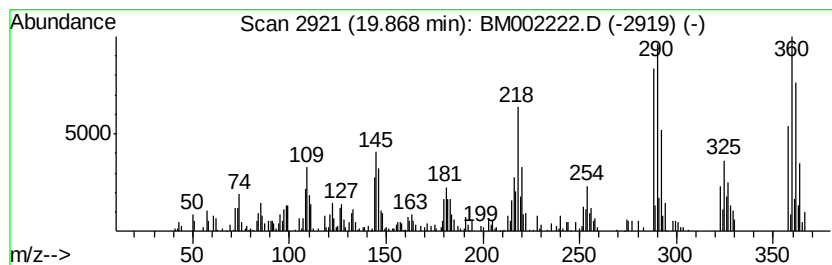
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.87 | 4.14 ng/ul | 261563 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,3,3',4,4',5-hex...   | 358 | C12H4Cl6 | 038380-08-4 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,4,4',5'-he...   | 358 | C12H4Cl6 | 035065-28-2 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,4,4',5'-he...   | 358 | C12H4Cl6 | 035065-28-2 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',3,4,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex...   | 358 | C12H4Cl6 | 052712-04-6 | 99   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

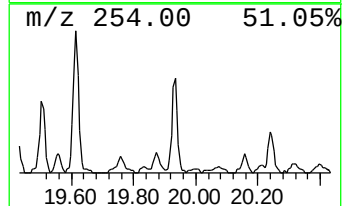
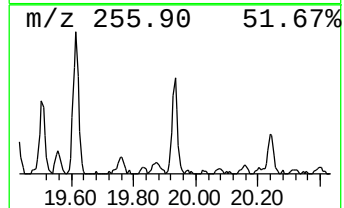
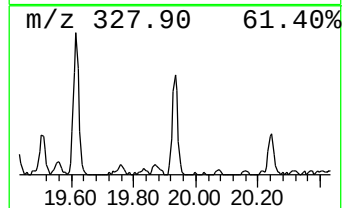
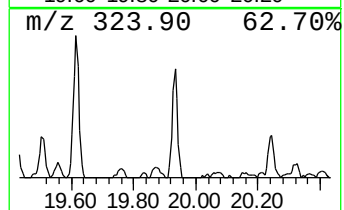
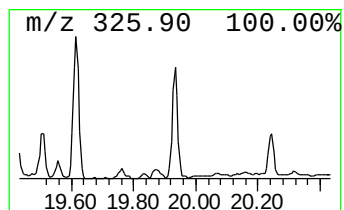
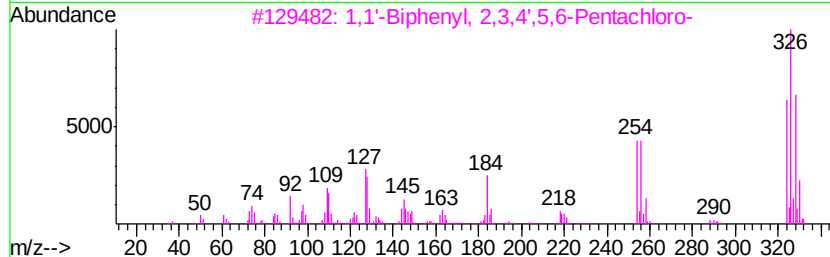
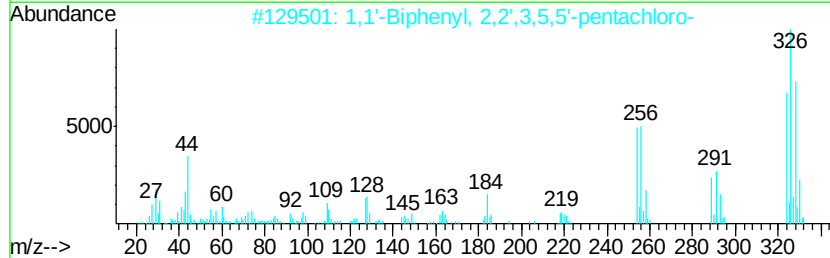
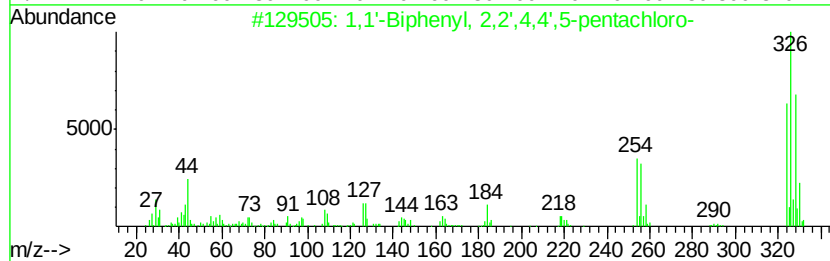
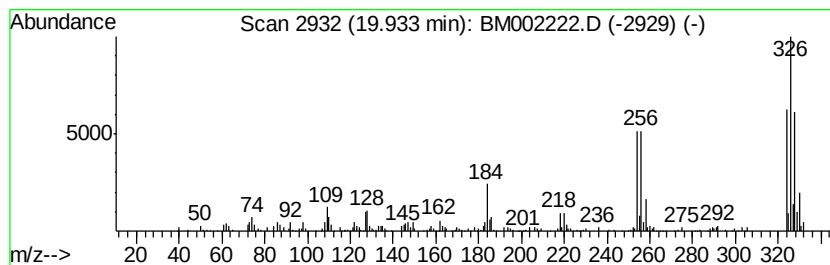
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 18

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.93 | 2.81 ng/ul | 177503 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 98   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 96   |
| 3    |    | 1,1'-Biphenyl, 2,3,4',5,6-Pentac... | 324 | C12H5Cl5 | 068194-11-6 | 96   |
| 4    |    | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 96   |
| 5    |    | 1,1'-Biphenyl, 2',3,4,5,5'-Penta... | 324 | C12H5Cl5 | 070424-70-3 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

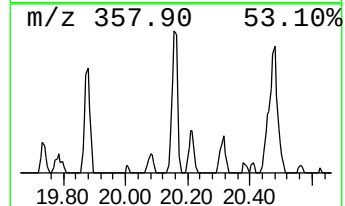
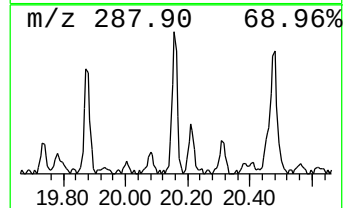
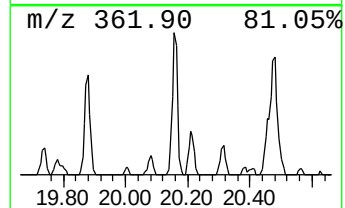
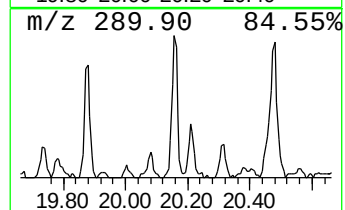
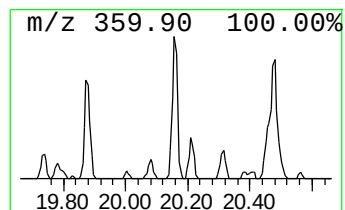
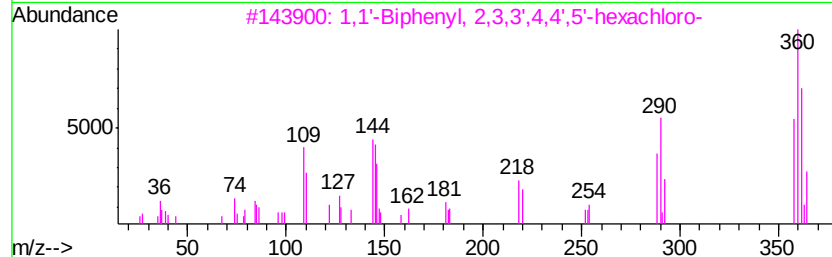
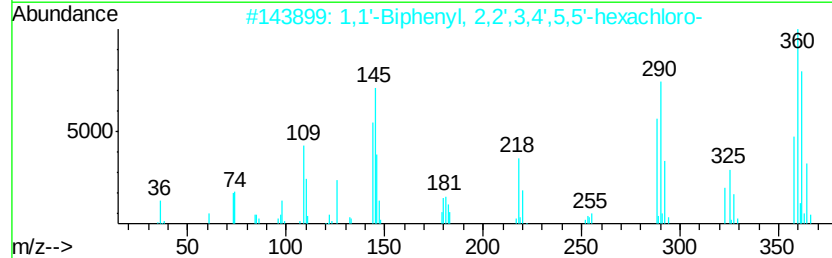
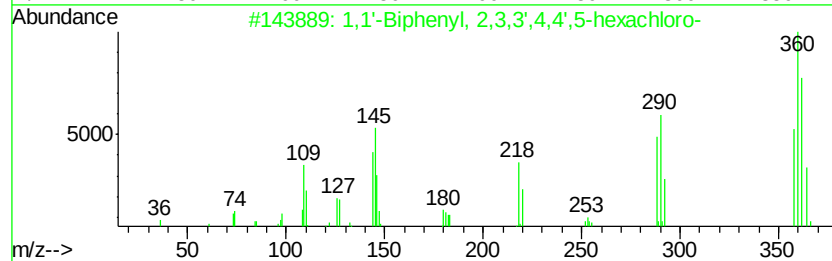
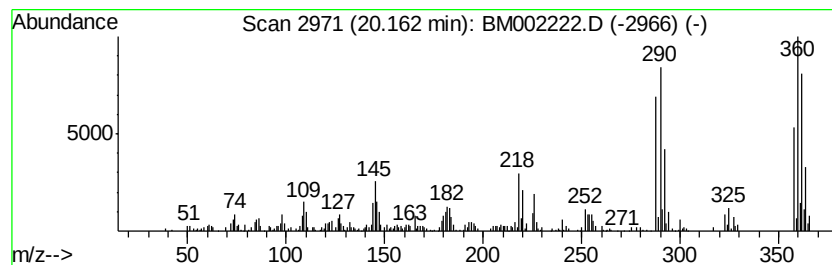
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.16 | 4.51 ng/ul | 284698 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 95   |
| 3    |    | 1,1'-Biphenyl, 2,3,3',4,4',5'-he... | 358 | C12H4Cl6 | 069782-90-7 | 94   |
| 4    |    | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 94   |
| 5    |    | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 94   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

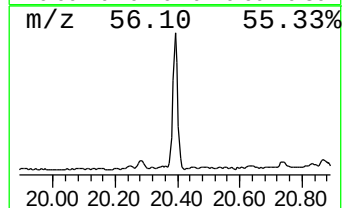
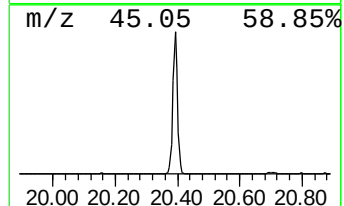
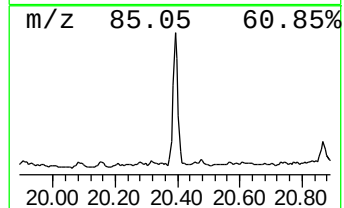
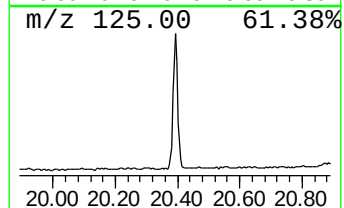
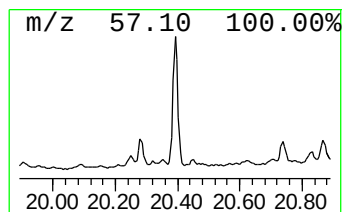
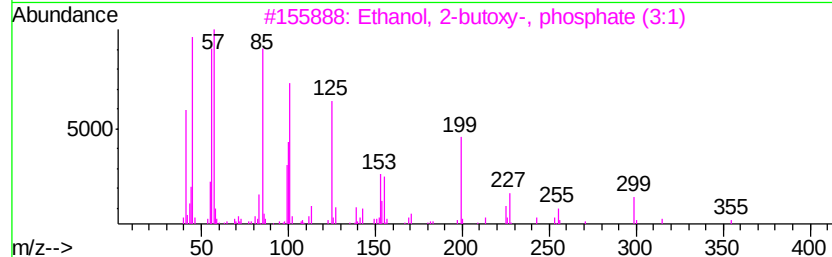
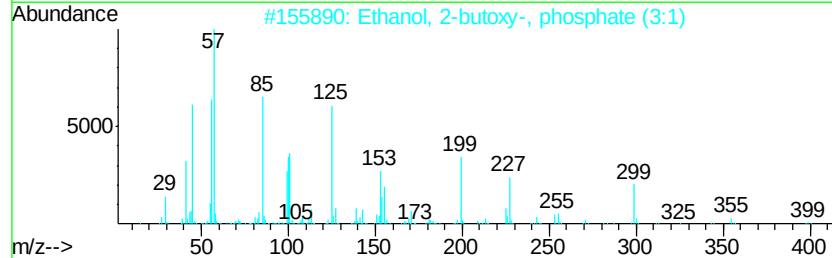
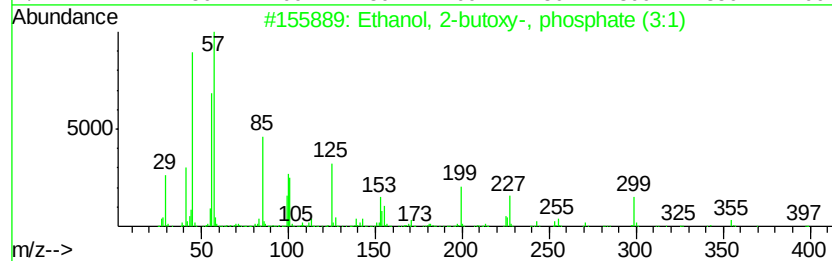
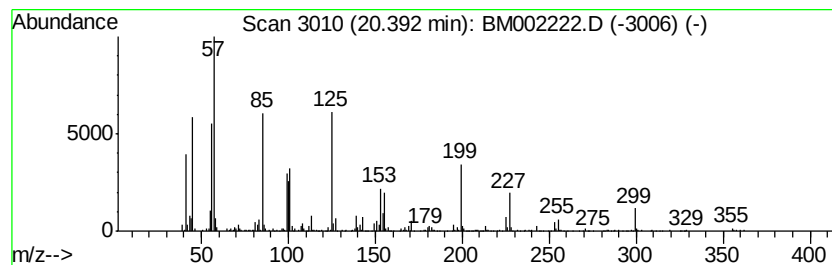
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Ethanol, 2-butoxy-, phospho... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.39 | 9.46 ng/ul | 597604 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Ethanol, 2-butoxy-, phosphate (3:1) | 398 | C18H3907P | 000078-51-3 | 80   |
| 2    |    | Ethanol, 2-butoxy-, phosphate (3:1) | 398 | C18H3907P | 000078-51-3 | 78   |
| 3    |    | Ethanol, 2-butoxy-, phosphate (3:1) | 398 | C18H3907P | 000078-51-3 | 64   |
| 4    |    | Ethanol, 2-butoxy-, phosphate (3:1) | 398 | C18H3907P | 000078-51-3 | 38   |
| 5    |    | Pentane, 2,2-dimethyl-              | 100 | C7H16     | 000590-35-2 | 14   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

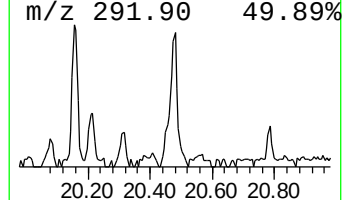
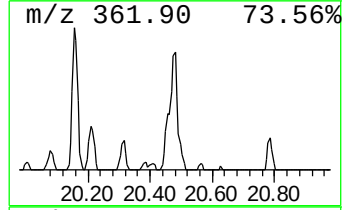
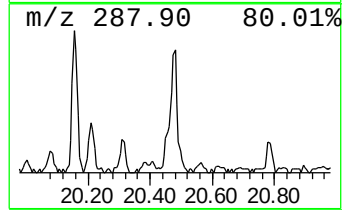
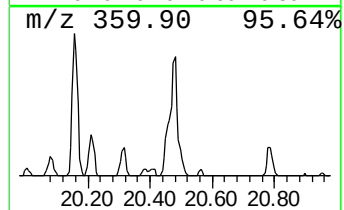
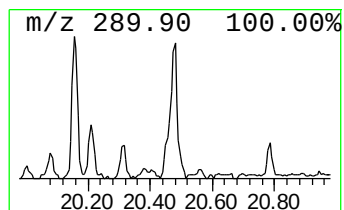
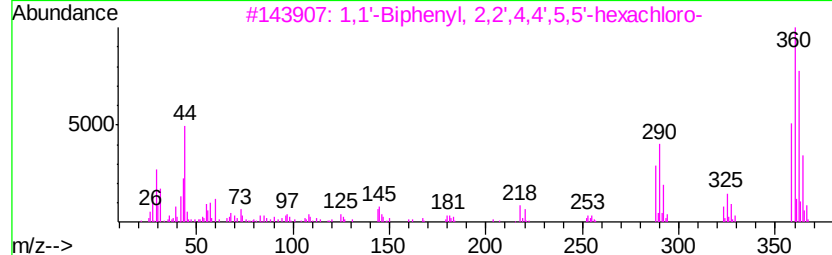
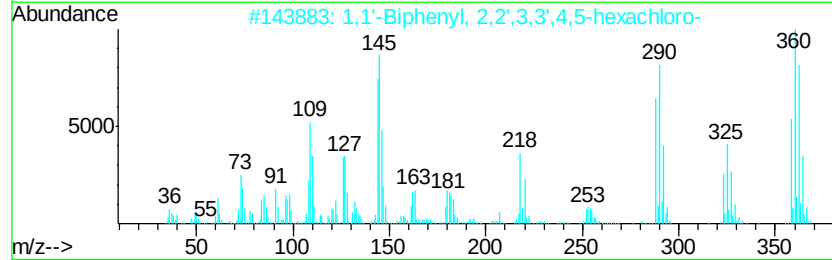
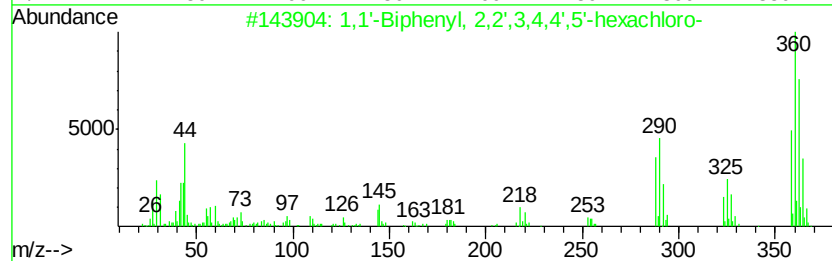
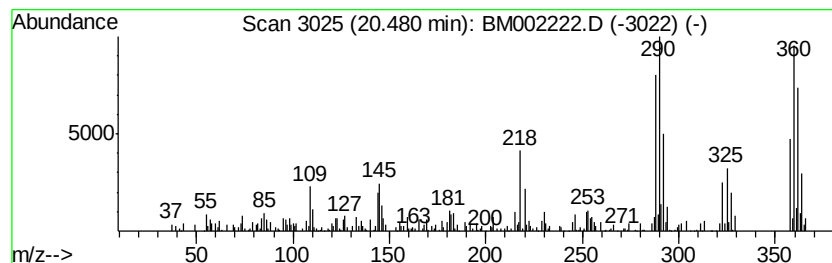
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.48 | 3.53 ng/ul | 222709 | Chrysene-d12     | 21.16 |

| Hit# | of                                    | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',3,4,4',5'-he...   | 358 | C12H4Cl6     | 035065-28-2 | 95      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',3,3',4,5-hex...   | 358 | C12H4Cl6     | 055215-18-4 | 95      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,4',5,5'-he...   | 358 | C12H4Cl6     | 035065-27-1 | 94      |      |      |
| 4    | 1,1'-Biphenyl, 2,2',3,3',5,5'-He...   | 358 | C12H4Cl6     | 035694-04-3 | 93      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',3,4,4',5',6-he... | 358 | C12H4Cl6     | 038380-04-0 | 91      |      |      |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

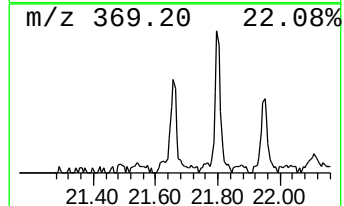
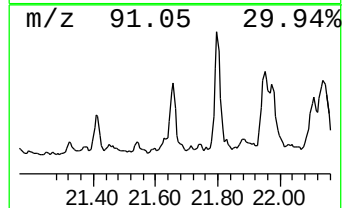
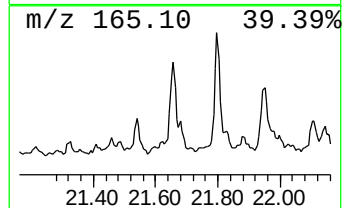
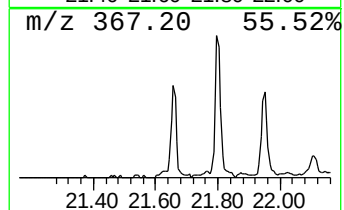
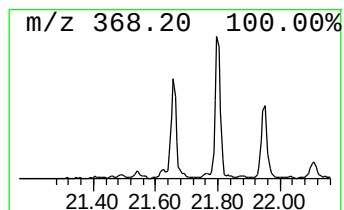
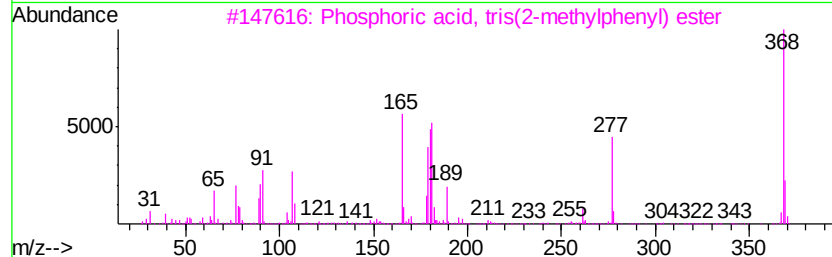
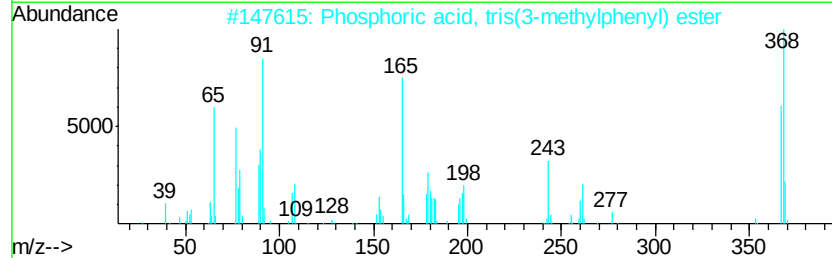
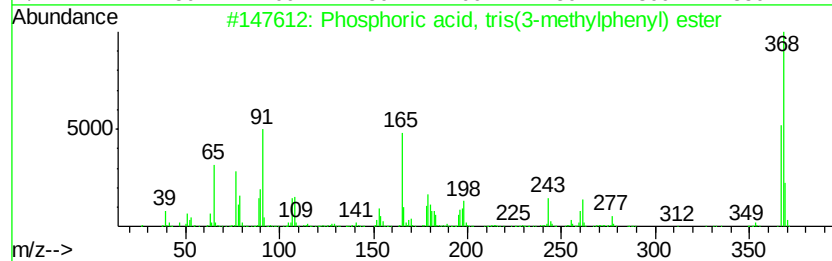
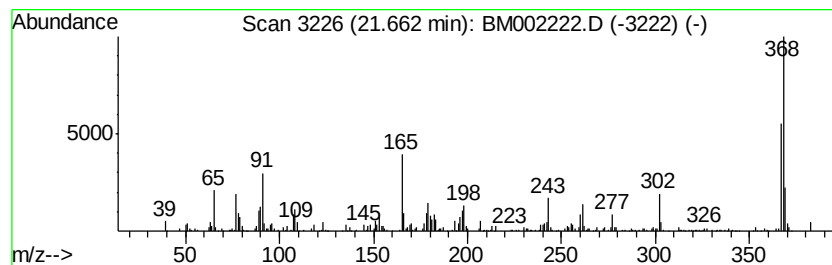
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Phosphoric acid, tris(2-met... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.66 | 4.27 ng/ul | 269380 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P | 000563-04-2 | 99   |
| 2    |    | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P | 000563-04-2 | 99   |
| 3    |    | Phosphoric acid, tris(2-methylph... | 368 | C21H21O4P | 000078-30-8 | 78   |
| 4    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P | 000078-32-0 | 49   |
| 5    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P | 000078-32-0 | 49   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

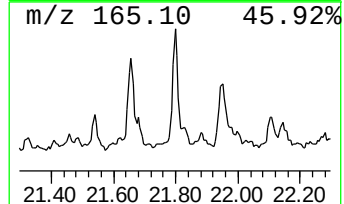
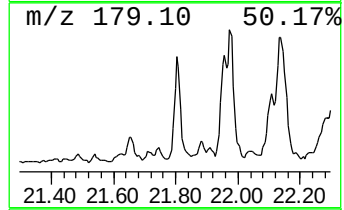
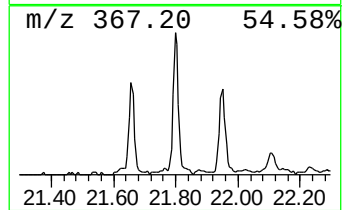
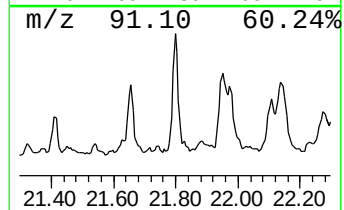
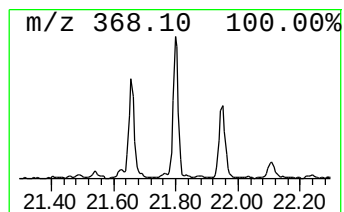
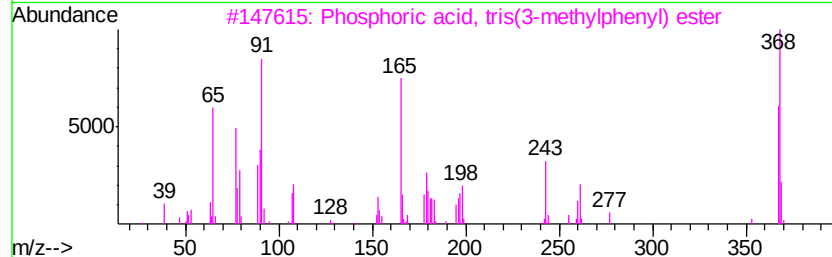
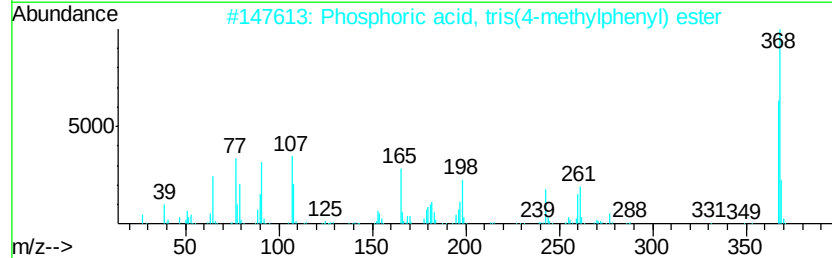
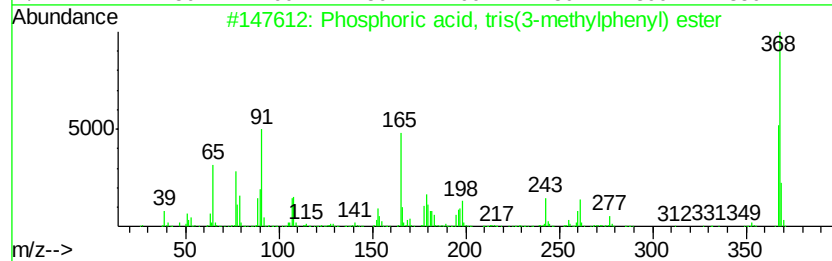
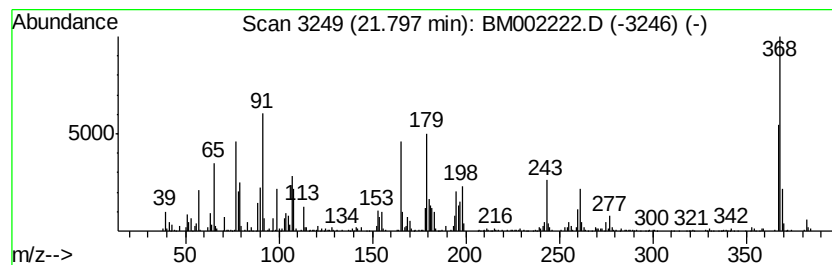
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Phosphoric acid, tris(4-met... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.80 | 8.78 ng/ul | 554194 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P | 000563-04-2 | 98   |
| 2    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P | 000078-32-0 | 78   |
| 3    |    | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P | 000563-04-2 | 68   |
| 4    |    | Phosphoric acid, tris(2-methylph... | 368 | C21H21O4P | 000078-30-8 | 60   |
| 5    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P | 000078-32-0 | 45   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

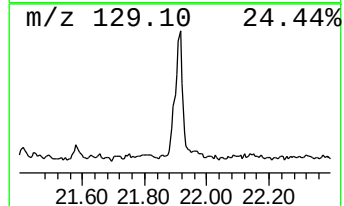
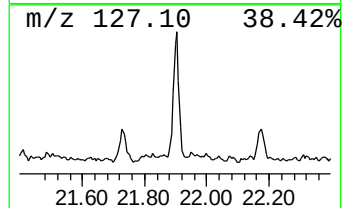
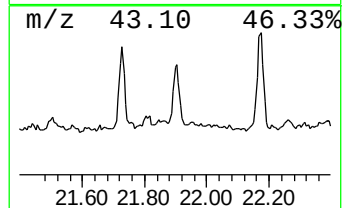
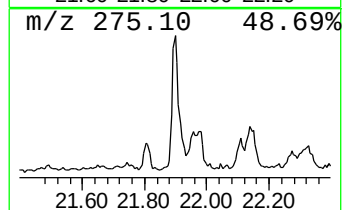
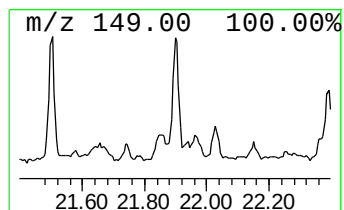
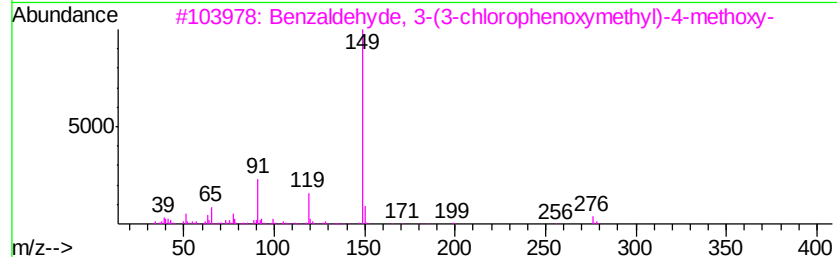
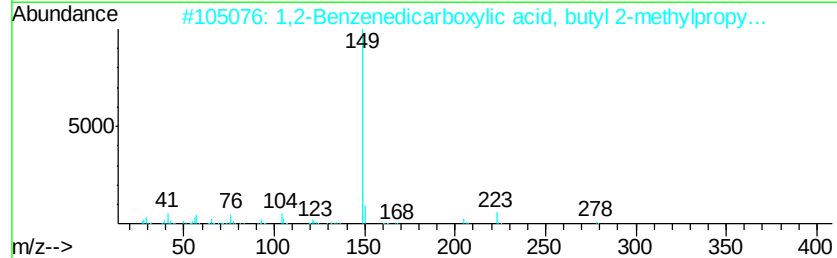
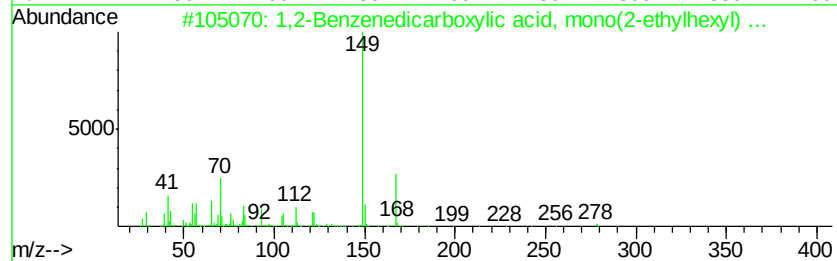
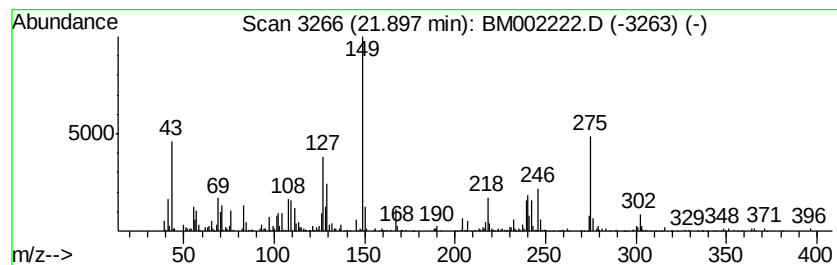
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 unknown-01 Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.90 | 5.07 ng/ul | 319854 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1,2-Benzenedicarboxylic acid, mo... | 278 | C16H22O4   | 004376-20-9 | 38   |
| 2    |    | 1,2-Benzenedicarboxylic acid, bu... | 278 | C16H22O4   | 017851-53-5 | 30   |
| 3    |    | Benzaldehyde, 3-(3-chlorophenoxy... | 276 | C15H13ClO3 | 329222-80-2 | 25   |
| 4    |    | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4   | 000084-69-5 | 25   |
| 5    |    | 2-Methoxyethylsemithiocarbazide     | 149 | C4H11N3OS  | 006926-54-1 | 25   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

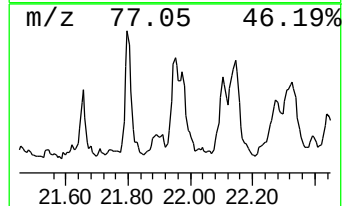
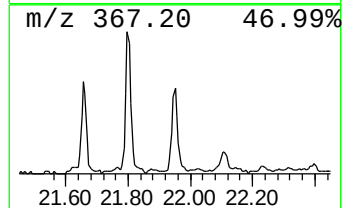
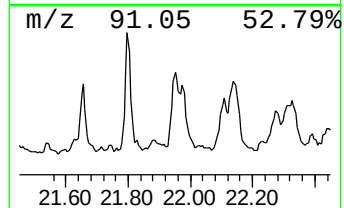
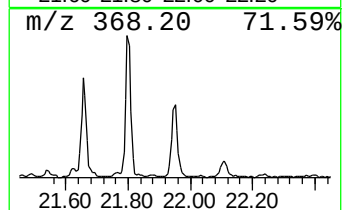
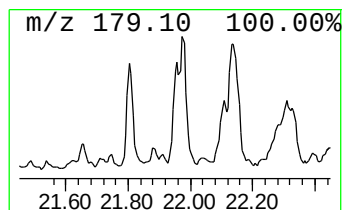
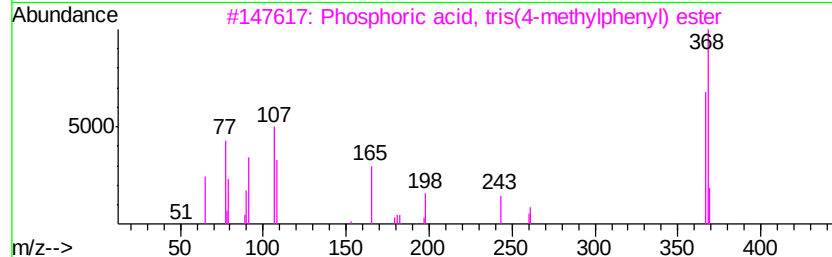
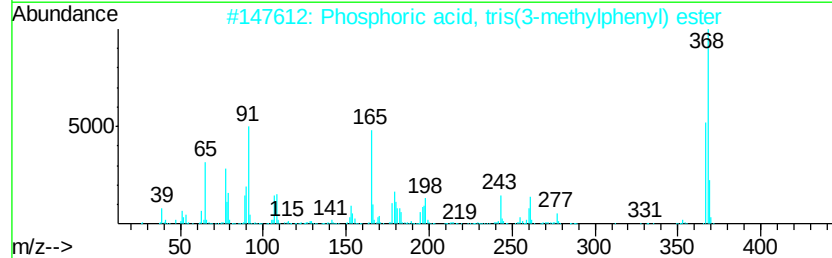
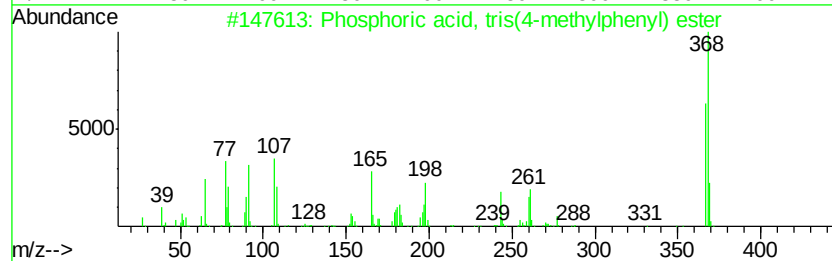
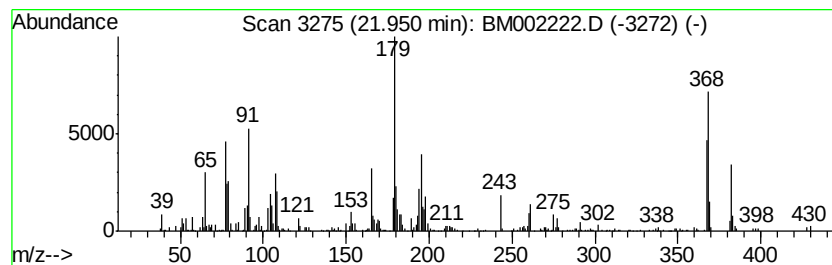
Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 16 unknown-02 Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.      |             |      |
|---------|------------|-------------------------------------|------------------|-----------|-------------|------|
| 21.95   | 5.92 ng/ul | 373678                              | Chrysene-d12     | 21.16     |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm   | CAS#        | Qual |
| 1       |            | Phosphoric acid, tris(4-methylph... | 368              | C21H21O4P | 000078-32-0 | 95   |
| 2       |            | Phosphoric acid, tris(3-methylph... | 368              | C21H21O4P | 000563-04-2 | 95   |
| 3       |            | Phosphoric acid, tris(4-methylph... | 368              | C21H21O4P | 000078-32-0 | 42   |
| 4       |            | Phosphoric acid, tris(3-methylph... | 368              | C21H21O4P | 000563-04-2 | 41   |
| 5       |            | 1,4-Bis(trimethylsilyl)-1,3-buta... | 194              | C10H18Si2 | 004526-07-2 | 25   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

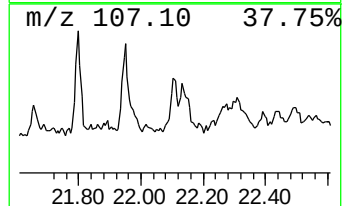
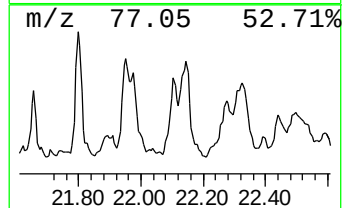
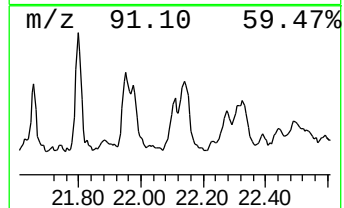
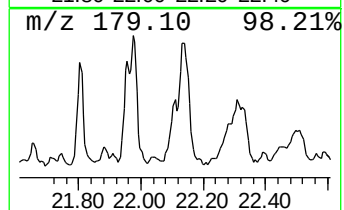
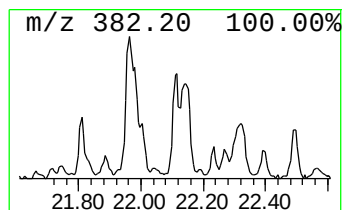
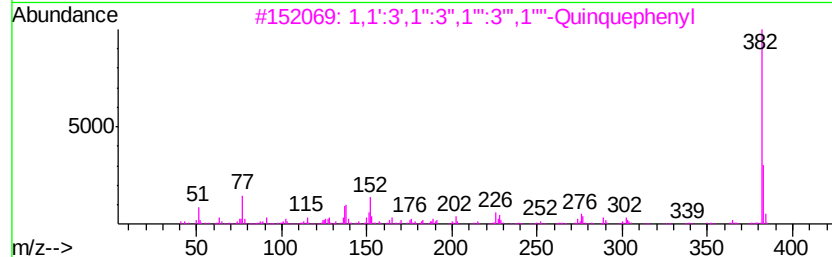
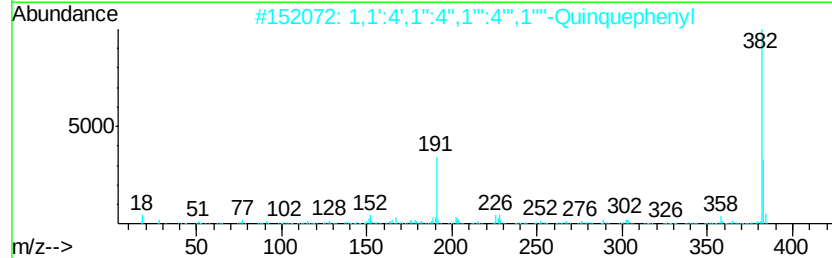
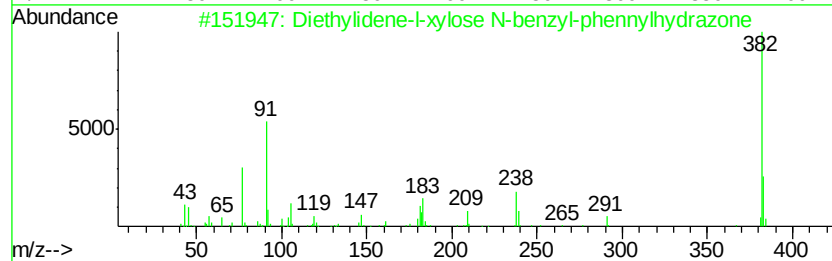
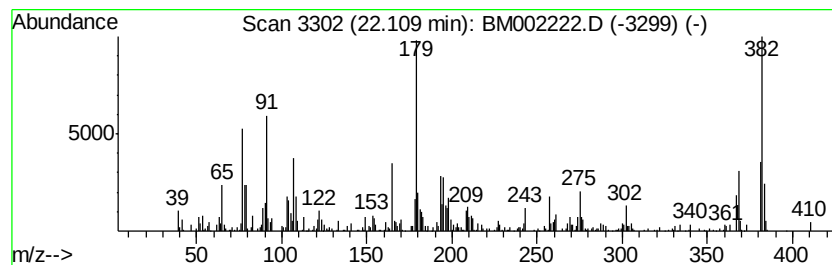
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown-03 Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.11 | 3.00 ng/ul | 189304 | Chrysene-d12     | 21.16 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Diethylidene-l-xylose N-benzyl-p...  | 382 | C22H26N2O4 | 1000129-05-9 | 47   |
| 2    |    |   | 1,1':4',1'':4'',1''':4'''',1''''-... | 382 | C30H22     | 003073-05-0  | 30   |
| 3    |    |   | 1,1':3',1'':3'',1''':3'''',1''''-... | 382 | C30H22     | 016716-13-5  | 30   |
| 4    |    |   | 6,11-Dihydroxy-3,8-dimethoxy-1-m...  | 382 | C20H14O8   | 033390-21-5  | 27   |
| 5    |    |   | 1,1':4',1'':4'',1''':4'''',1''''-... | 382 | C30H22     | 003073-05-0  | 25   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
Data File : BM002222.D  
Acq On : 04 Aug 2015 22:42  
Operator : TP/UM  
Sample : G3073-01RE  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.M  
Quant Title : SVOA CALIBRATION

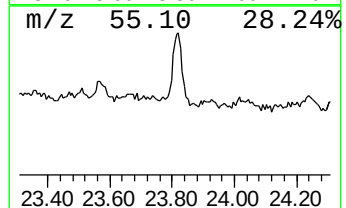
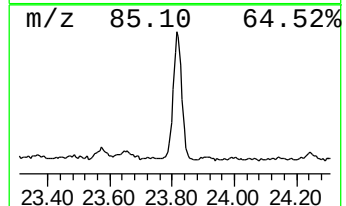
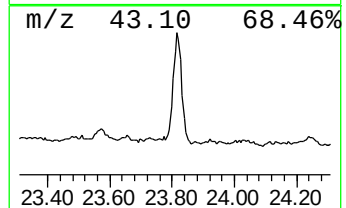
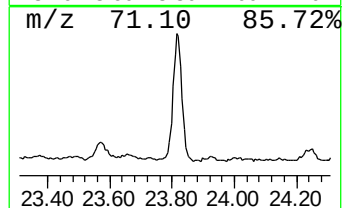
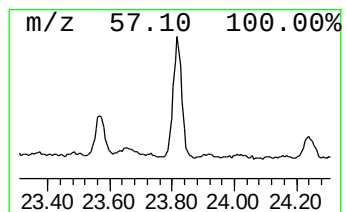
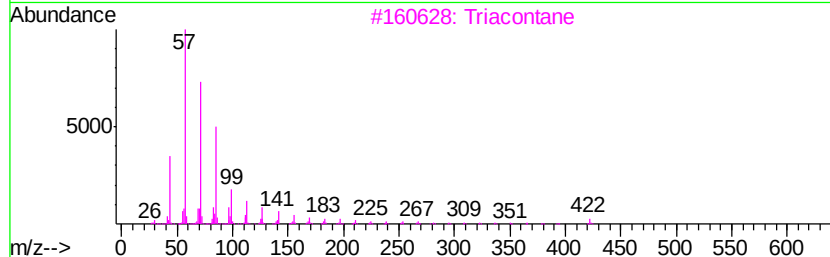
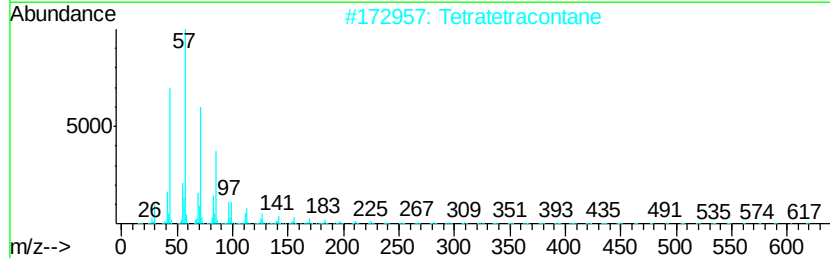
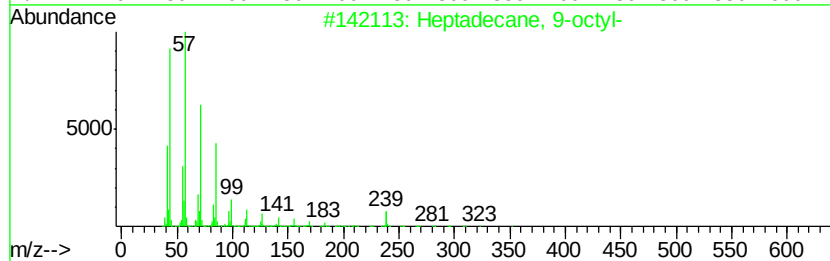
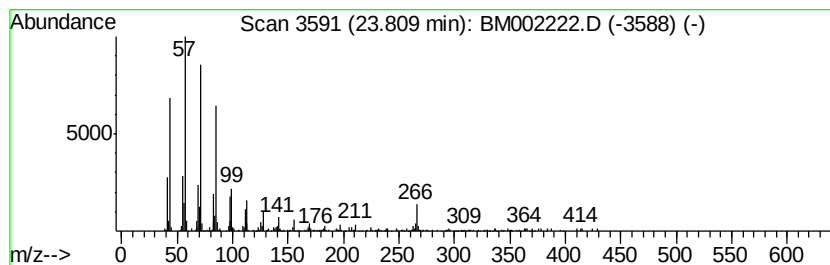
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 23.81 | 17.04 ng/ul | 563415 | Perylene-d12     | 23.35 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 93   |
| 2    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 90   |
| 3    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 90   |
| 4    |    | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 87   |
| 5    |    | Docosane              | 310 | C22H46  | 000629-97-0 | 83   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080415\  
 Data File : BM002222.D  
 Acq On : 04 Aug 2015 22:42  
 Operator : TP/UM  
 Sample : G3073-01RE  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01L2RE

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080415.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 |
| 1,1'-Biphenyl, 2,... | 17.56 | 3.8     | ng/ul | 138948   | 4                     | 16.95 | 741811  | 20.0 |
| n-Hexadecanoic acid  | 17.85 | 3.9     | ng/ul | 144295   | 4                     | 16.95 | 741811  | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.02 | 6.4     | ng/ul | 238615   | 4                     | 16.95 | 741811  | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.31 | 3.9     | ng/ul | 143102   | 4                     | 16.95 | 741811  | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.87 | 9.9     | ng/ul | 369110   | 4                     | 16.95 | 741811  | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.16 | 5.5     | ng/ul | 346509   | 5                     | 21.16 | 1262860 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.62 | 4.3     | ng/ul | 272839   | 5                     | 21.16 | 1262860 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.87 | 4.1     | ng/ul | 261563   | 5                     | 21.16 | 1262860 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.93 | 2.8     | ng/ul | 177503   | 5                     | 21.16 | 1262860 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.16 | 4.5     | ng/ul | 284698   | 5                     | 21.16 | 1262860 | 20.0 |
| Ethanol, 2-butoxy... | 20.39 | 9.5     | ng/ul | 597604   | 5                     | 21.16 | 1262860 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.48 | 3.5     | ng/ul | 222709   | 5                     | 21.16 | 1262860 | 20.0 |
| Phosphoric acid, ... | 21.66 | 4.3     | ng/ul | 269380   | 5                     | 21.16 | 1262860 | 20.0 |
| Phosphoric acid, ... | 21.80 | 8.8     | ng/ul | 554194   | 5                     | 21.16 | 1262860 | 20.0 |
| unknown-01           | 21.90 | 5.1     | ng/ul | 319854   | 5                     | 21.16 | 1262860 | 20.0 |
| unknown-02           | 21.95 | 5.9     | ng/ul | 373678   | 5                     | 21.16 | 1262860 | 20.0 |
| unknown-03           | 22.11 | 3.0     | ng/ul | 189304   | 5                     | 21.16 | 1262860 | 20.0 |
| (DEL) Alkane: Str... | 23.81 | 17.0    | ng/ul | 563415   | 6                     | 23.35 | 661432  | 20.0 |