

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
 Data File : BN002277.D  
 Acq On : 09 Aug 2018 23:29  
 Operator : JU/SJ  
 Sample : J4301-12  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AF1

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\_N\METHODS\SOM-EPA-BN071318MA.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         | 3.252       | 42            | 45          | 49           | rVB2     | 32839          | 42033         | 1.48%           | 0.095%        |
| 2         | 3.752       | 126           | 130         | 138          | rVB2     | 44176          | 64288         | 2.27%           | 0.145%        |
| 3         | 3.869       | 147           | 150         | 156          | rVB2     | 24085          | 33455         | 1.18%           | 0.076%        |
| 4         | 6.863       | 653           | 659         | 674          | rBV      | 586318         | 1018842       | 35.93%          | 2.300%        |
| 5         | 7.028       | 679           | 687         | 700          | rBV      | 486653         | 776994        | 27.40%          | 1.754%        |
| 6         | 7.222       | 713           | 720         | 730          | rVB      | 620330         | 988916        | 34.88%          | 2.233%        |
| 7         | 7.687       | 791           | 799         | 808          | rBV      | 1017892        | 1661486       | 58.60%          | 3.751%        |
| 8         | 8.387       | 912           | 918         | 930          | rBV      | 641563         | 1087484       | 38.35%          | 2.455%        |
| 9         | 8.834       | 987           | 994         | 1003         | rBV      | 605197         | 999251        | 35.24%          | 2.256%        |
| 10        | 9.552       | 1109          | 1116        | 1124         | rBV      | 458897         | 787689        | 27.78%          | 1.778%        |
| 11        | 10.087      | 1200          | 1207        | 1223         | rBV      | 642878         | 1169120       | 41.23%          | 2.640%        |
| 12        | 10.457      | 1262          | 1270        | 1277         | rBV      | 1388741        | 2336089       | 82.39%          | 5.274%        |
| 13        | 10.599      | 1287          | 1294        | 1309         | rBV      | 527660         | 966157        | 34.08%          | 2.181%        |
| 14        | 13.728      | 1820          | 1826        | 1830         | rBV      | 1122192        | 1562147       | 55.10%          | 3.527%        |
| 15        | 13.775      | 1830          | 1834        | 1843         | rVB      | 511097         | 703933        | 24.83%          | 1.589%        |
| 16        | 14.004      | 1866          | 1873        | 1883         | rBV      | 1302312        | 1965927       | 69.34%          | 4.439%        |
| 17        | 14.316      | 1919          | 1926        | 1935         | rBV2     | 1683508        | 2592563       | 91.44%          | 5.853%        |
| 18        | 14.534      | 1956          | 1963        | 1972         | rBV      | 226274         | 465566        | 16.42%          | 1.051%        |
| 19        | 15.310      | 2089          | 2095        | 2103         | rBV      | 1576468        | 2259464       | 79.69%          | 5.101%        |
| 20        | 15.439      | 2111          | 2117        | 2130         | rBV      | 372743         | 545140        | 19.23%          | 1.231%        |
| 21        | 16.045      | 2216          | 2220        | 2227         | rBV2     | 25370          | 45576         | 1.61%           | 0.103%        |
| 22        | 16.839      | 2351          | 2355        | 2360         | rBV4     | 26082          | 35548         | 1.25%           | 0.080%        |
| 23        | 17.063      | 2387          | 2393        | 2399         | rBV2     | 1806455        | 2636465       | 92.99%          | 5.952%        |
| 24        | 17.163      | 2404          | 2410        | 2418         | rVB      | 1502831        | 2189818       | 77.23%          | 4.944%        |
| 25        | 17.575      | 2476          | 2480        | 2484         | rVB      | 29134          | 39510         | 1.39%           | 0.089%        |
| 26        | 17.669      | 2490          | 2496        | 2503         | rVB      | 41111          | 79064         | 2.79%           | 0.179%        |
| 27        | 17.969      | 2543          | 2547        | 2555         | rBV      | 183693         | 289210        | 10.20%          | 0.653%        |
| 28        | 18.039      | 2555          | 2559        | 2563         | rVB      | 101794         | 129491        | 4.57%           | 0.292%        |
| 29        | 18.133      | 2571          | 2575        | 2581         | rVB      | 162310         | 219211        | 7.73%           | 0.495%        |
| 30        | 18.198      | 2582          | 2586        | 2590         | rVB2     | 47016          | 55279         | 1.95%           | 0.125%        |
| 31        | 18.422      | 2620          | 2624        | 2628         | rBV2     | 78161          | 99692         | 3.52%           | 0.225%        |
| 32        | 18.598      | 2651          | 2654        | 2659         | rVB7     | 27705          | 36668         | 1.29%           | 0.083%        |
| 33        | 18.910      | 2703          | 2707        | 2711         | rBV5     | 40298          | 55538         | 1.96%           | 0.125%        |
| 34        | 18.963      | 2712          | 2716        | 2717         | rVV      | 85138          | 97224         | 3.43%           | 0.220%        |

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Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 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\_N\METHODS\SOM-EPA-BN071318MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 18.986 | 2717 | 2720 | 2731 | rVB  | 199314  | 308278  | 10.87%  | 0.696% |
| 36 | 19.075 | 2731 | 2735 | 2737 | rBV5 | 34933   | 48225   | 1.70%   | 0.109% |
| 37 | 19.128 | 2741 | 2744 | 2748 | rVB  | 62755   | 76484   | 2.70%   | 0.173% |
| 38 | 19.198 | 2752 | 2756 | 2761 | rBV5 | 41959   | 72397   | 2.55%   | 0.163% |
| 39 | 19.275 | 2762 | 2769 | 2774 | rBV4 | 331881  | 555742  | 19.60%  | 1.255% |
| 40 | 19.339 | 2776 | 2780 | 2784 | rBV3 | 129157  | 168243  | 5.93%   | 0.380% |
| 41 | 19.463 | 2795 | 2801 | 2808 | rBV  | 1715427 | 2439075 | 86.02%  | 5.507% |
| 42 | 19.533 | 2808 | 2813 | 2823 | rVV2 | 236470  | 563522  | 19.88%  | 1.272% |
| 43 | 19.616 | 2823 | 2827 | 2831 | rVB2 | 154803  | 205421  | 7.25%   | 0.464% |
| 44 | 19.663 | 2832 | 2835 | 2839 | rVV4 | 50898   | 72510   | 2.56%   | 0.164% |
| 45 | 19.722 | 2839 | 2845 | 2849 | rVB  | 294699  | 391823  | 13.82%  | 0.885% |
| 46 | 19.986 | 2886 | 2890 | 2894 | rBV2 | 139879  | 189459  | 6.68%   | 0.428% |
| 47 | 20.033 | 2894 | 2898 | 2905 | rVV2 | 224853  | 329391  | 11.62%  | 0.744% |
| 48 | 20.269 | 2934 | 2938 | 2943 | rBV  | 166087  | 210269  | 7.42%   | 0.475% |
| 49 | 20.322 | 2943 | 2947 | 2949 | rBV3 | 81874   | 120038  | 4.23%   | 0.271% |
| 50 | 20.345 | 2949 | 2951 | 2955 | rVB  | 100772  | 111718  | 3.94%   | 0.252% |
| 51 | 20.522 | 2978 | 2981 | 2984 | rVB  | 80453   | 86536   | 3.05%   | 0.195% |
| 52 | 20.580 | 2985 | 2991 | 2998 | rVB2 | 181244  | 330130  | 11.64%  | 0.745% |
| 53 | 20.892 | 3041 | 3044 | 3047 | rBV3 | 61348   | 61351   | 2.16%   | 0.139% |
| 54 | 20.986 | 3058 | 3060 | 3066 | rVB  | 103626  | 114139  | 4.03%   | 0.258% |
| 55 | 21.186 | 3090 | 3094 | 3098 | rVB  | 370786  | 408663  | 14.41%  | 0.923% |
| 56 | 21.263 | 3101 | 3107 | 3118 | rBV  | 2007319 | 2835330 | 100.00% | 6.401% |
| 57 | 21.422 | 3131 | 3134 | 3138 | rVB  | 126339  | 135042  | 4.76%   | 0.305% |
| 58 | 21.857 | 3205 | 3208 | 3212 | rBV  | 147494  | 176303  | 6.22%   | 0.398% |
| 59 | 22.316 | 3284 | 3286 | 3291 | rVB  | 167655  | 209067  | 7.37%   | 0.472% |
| 60 | 22.821 | 3368 | 3372 | 3384 | rVB2 | 218495  | 359414  | 12.68%  | 0.811% |
| 61 | 23.345 | 3455 | 3461 | 3476 | rVB2 | 1267379 | 2619820 | 92.40%  | 5.915% |
| 62 | 23.486 | 3479 | 3485 | 3497 | rVB  | 1486836 | 2690839 | 94.90%  | 6.075% |
| 63 | 24.015 | 3570 | 3575 | 3581 | rVB2 | 187422  | 368243  | 12.99%  | 0.831% |

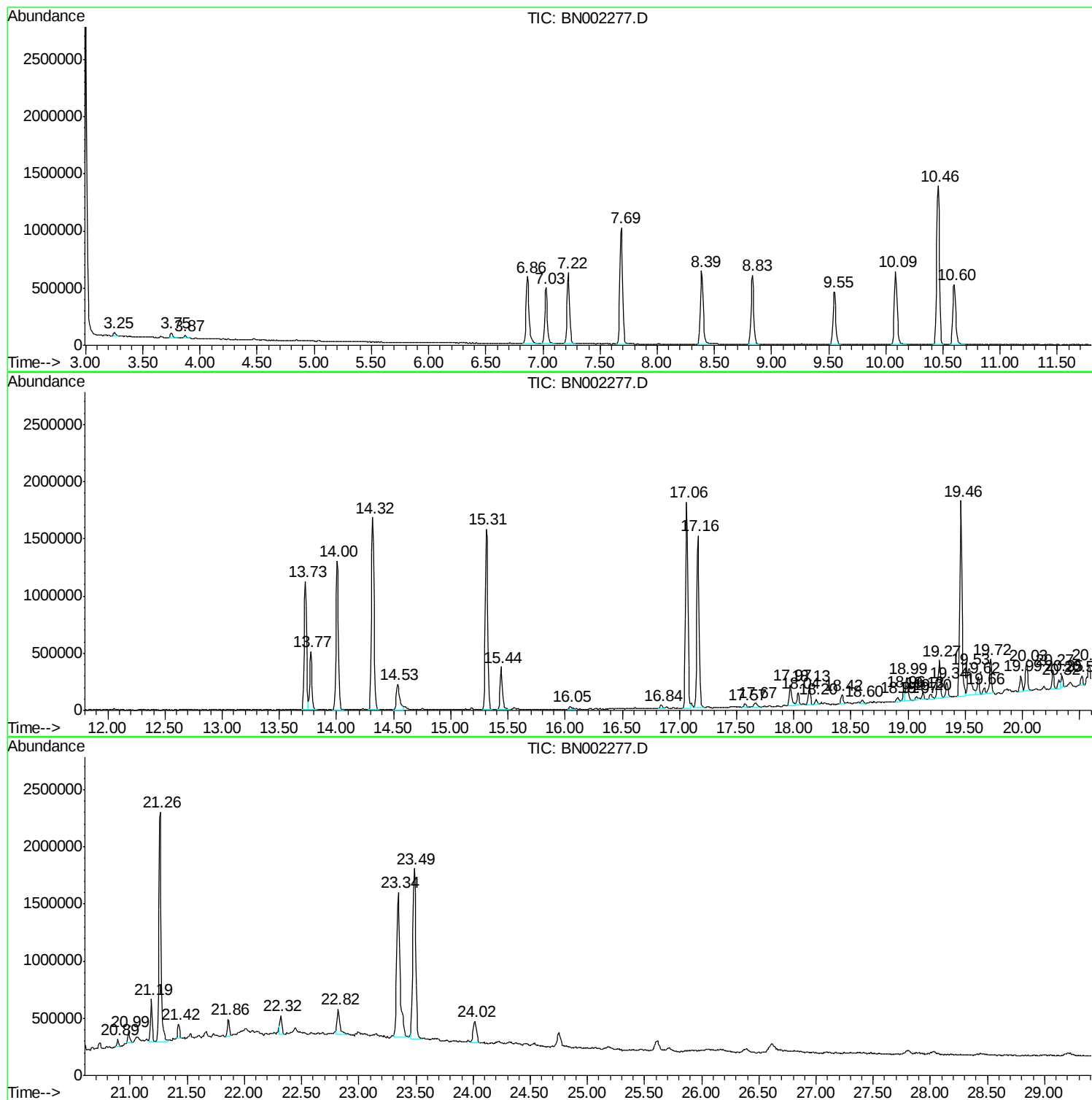
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ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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



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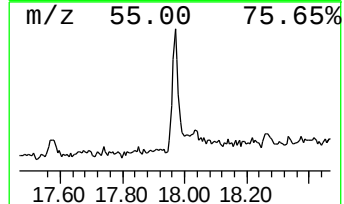
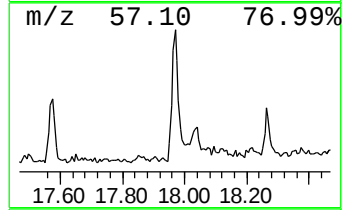
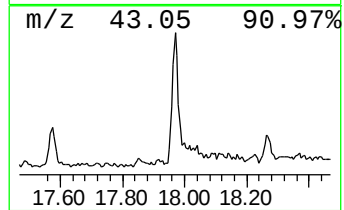
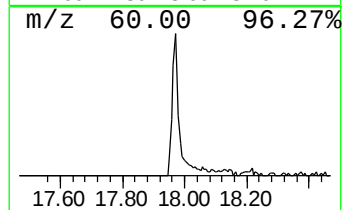
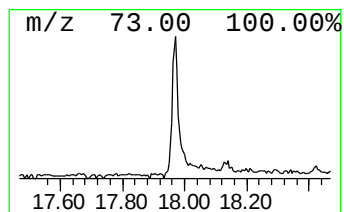
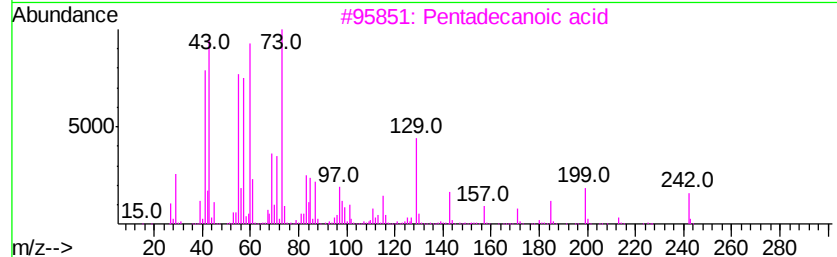
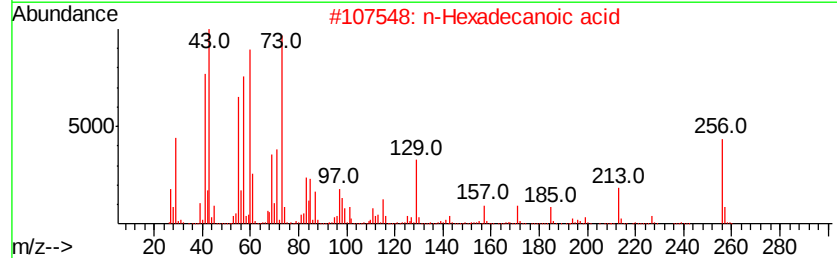
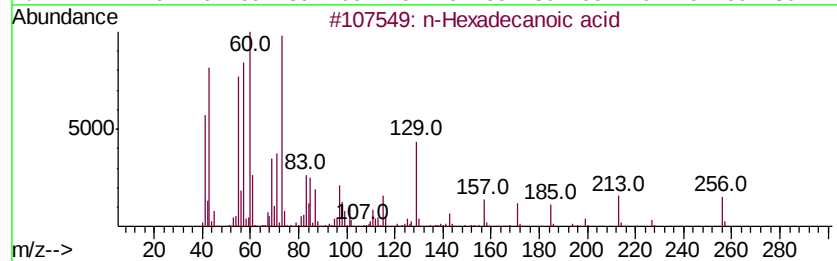
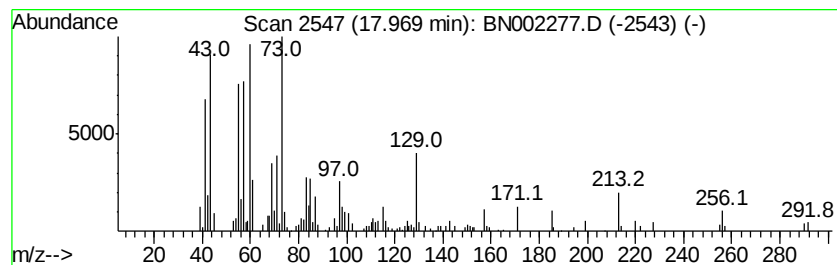
Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 9

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.97   | 2.19 ng/ul | 289210              | Phenanthrene-d10 | 17.06    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 98   |
| 3       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 87   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 87   |
| 5       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 80   |



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Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

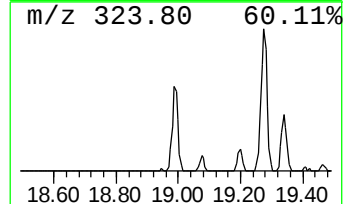
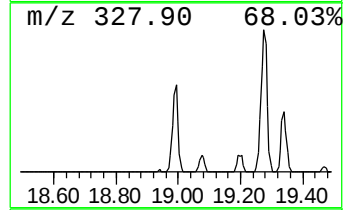
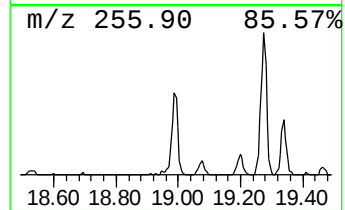
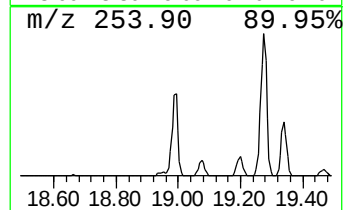
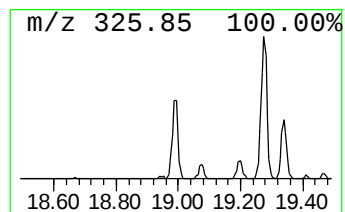
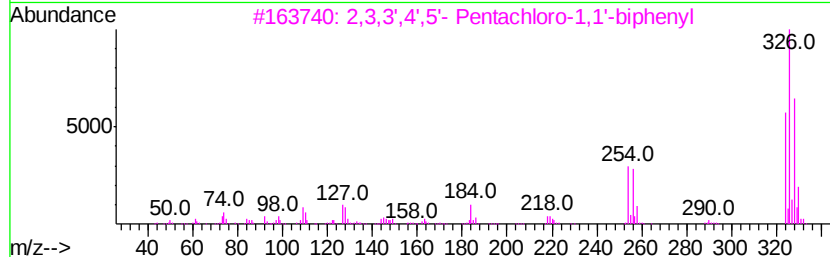
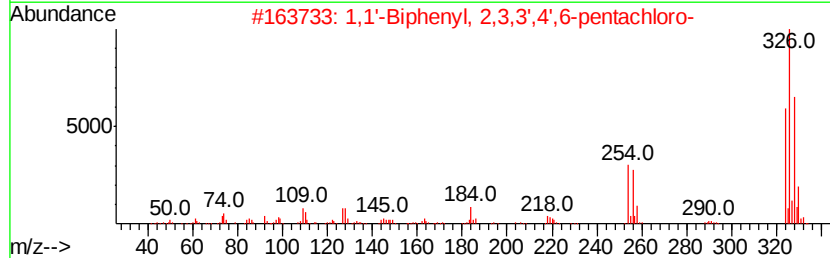
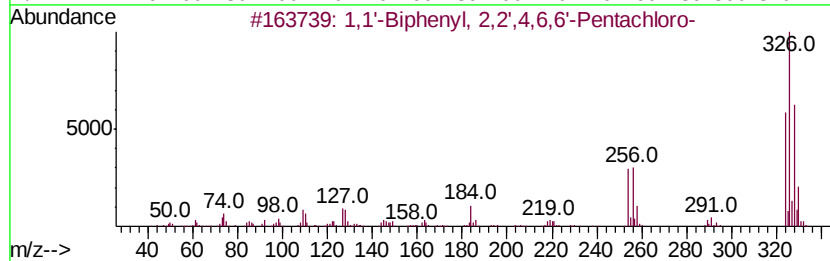
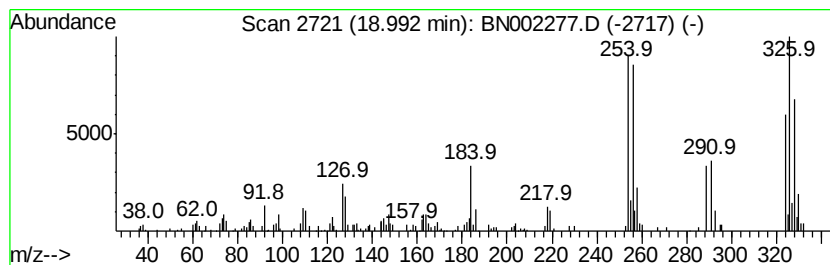
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.        |      |      |
|---------|--------------------------------------|--------------|------------------|-------------|------|------|
| 18.99   | 2.34 ng/ul                           | 308278       | Phenanthrene-d10 | 17.06       |      |      |
| Hit# of | 5                                    | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,1'-Biphenyl, 2,2',4,6,6'-Penta...  | 324          | C12H5Cl5         | 056558-16-8 | 99   |      |
| 2       | 1,1'-Biphenyl, 2,3,3',4',6-penta...  | 324          | C12H5Cl5         | 038380-03-9 | 99   |      |
| 3       | 2,3,3',4',5'- Pentachloro-1,1'-b...  | 324          | C12H5Cl5         | 076842-07-4 | 99   |      |
| 4       | 2,3,3',4',5'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 070362-41-3 | 99   |      |
| 5       | 1,1'-Biphenyl, 2,3,3',4,4'-penta...  | 324          | C12H5Cl5         | 032598-14-4 | 99   |      |



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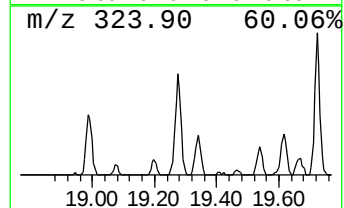
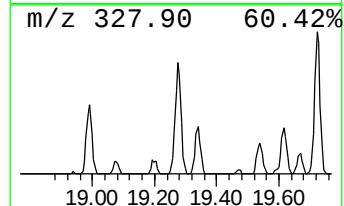
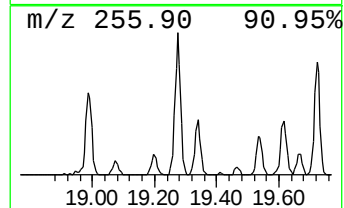
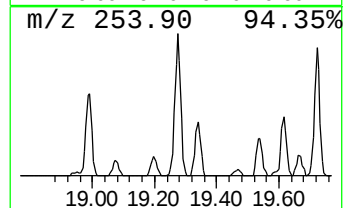
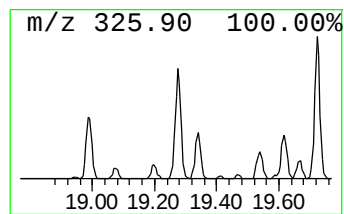
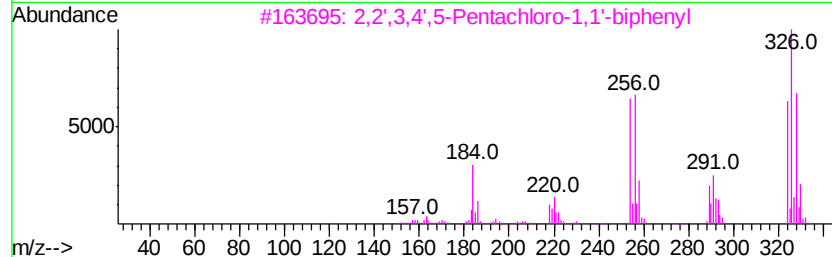
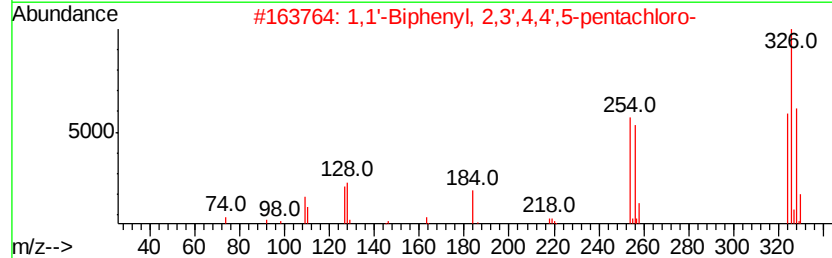
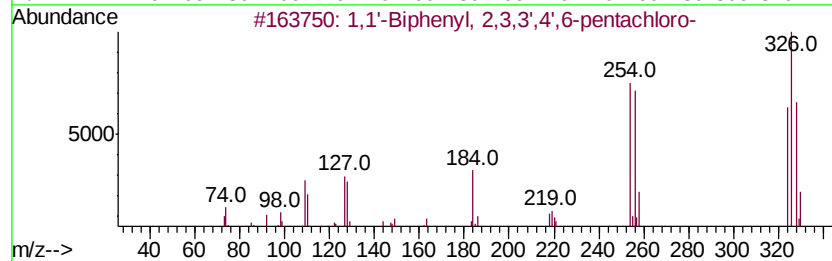
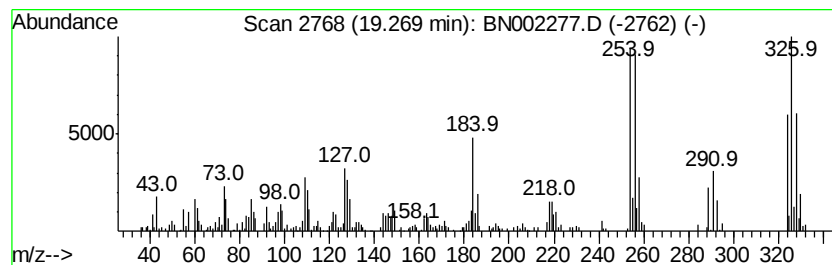
Instrument :  
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Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                             | Area                            | Relative to ISTD | R.T.     |             |      |
|---------|-------------------------------------|---------------------------------|------------------|----------|-------------|------|
| 19.27   | 3.92 ng/ul                          | 555742                          | Chrysene-d12     | 21.26    |             |      |
| 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, 2,3',4,4',5-penta... | 324              | C12H5Cl5 | 031508-00-6 | 99   |
| 3       | 2,2',3,4',5-Pentachloro-1,1'-bip... |                                 | 324              | C12H5Cl5 | 068194-07-0 | 96   |
| 4       | 1,1'-Biphenyl, 2,2',4,5,5'-penta... |                                 | 324              | C12H5Cl5 | 037680-73-2 | 96   |
| 5       | 2,2',3,4,4'-Pentachloro-1,1'-bip... |                                 | 324              | C12H5Cl5 | 065510-45-4 | 96   |



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Quant Title : SVOA CALIBRATION

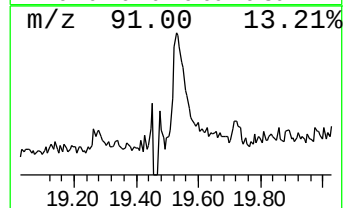
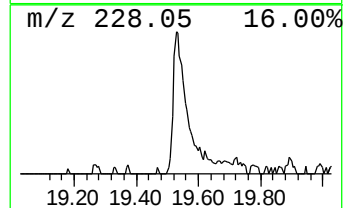
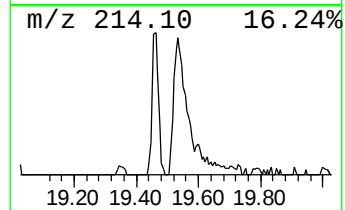
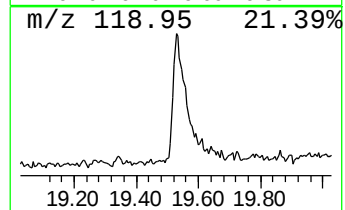
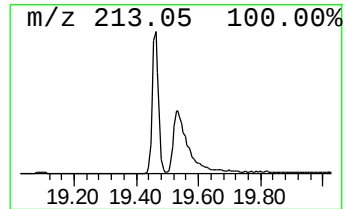
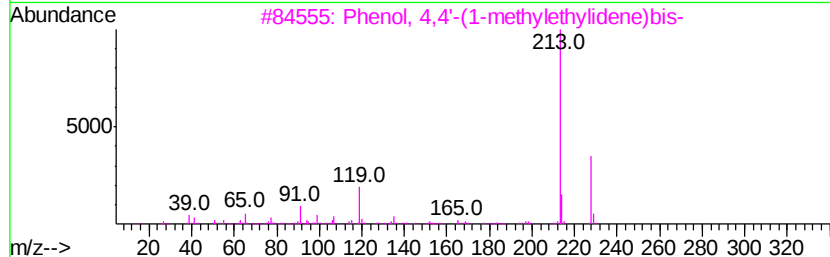
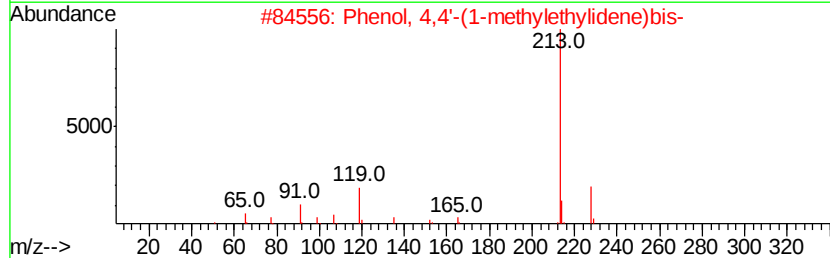
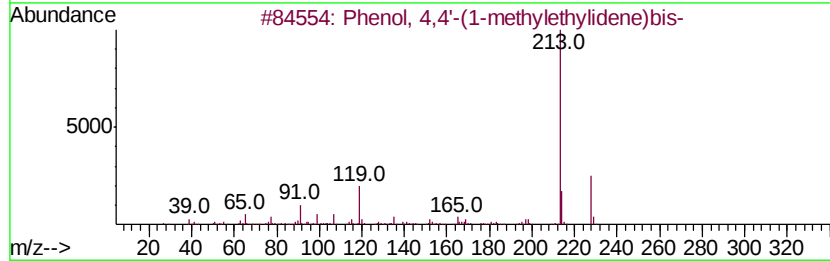
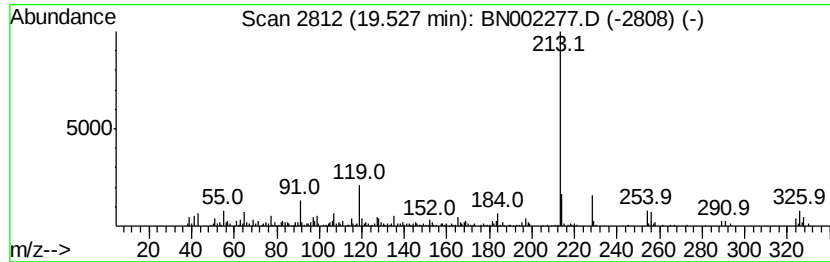
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Phenol, 4,4'-(1-methylethyl... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.53 | 3.98 ng/ul | 563522 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Phenol, 4,4'-(1-methylethylidene)bis- | 228 | C15H16O2 | 000080-05-7 | 94   |
| 2    |    | Phenol, 4,4'-(1-methylethylidene)bis- | 228 | C15H16O2 | 000080-05-7 | 92   |
| 3    |    | Phenol, 4,4'-(1-methylethylidene)bis- | 228 | C15H16O2 | 000080-05-7 | 86   |
| 4    |    | 6-Isopropyl-3-phenoxypolone           | 256 | C16H16O3 | 002904-79-2 | 53   |
| 5    |    | 2,2-Bis-(4-hydroxyphenyl)-butane      | 242 | C16H18O2 | 000077-40-7 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

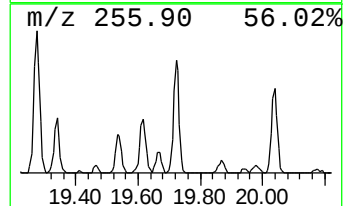
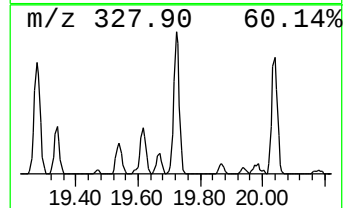
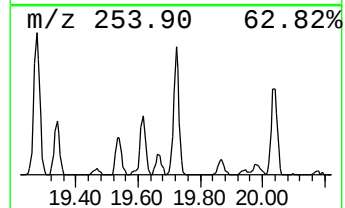
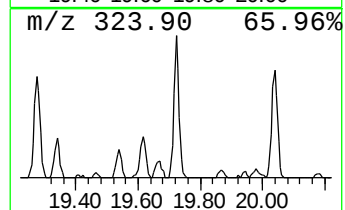
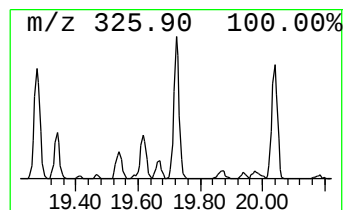
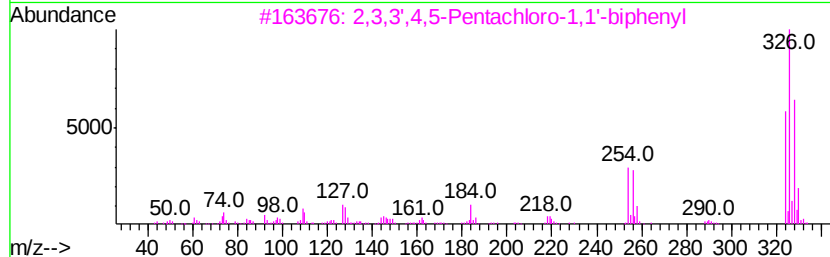
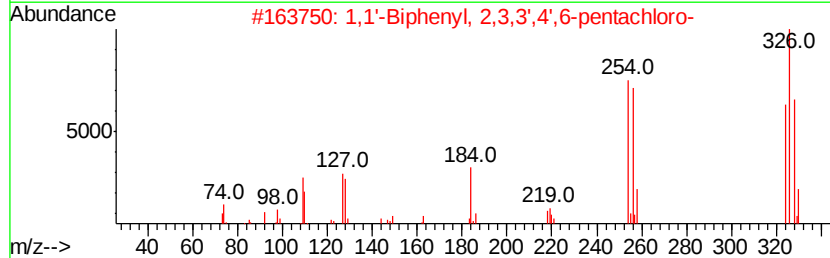
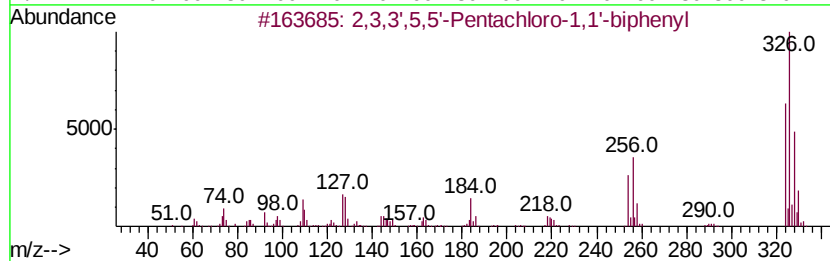
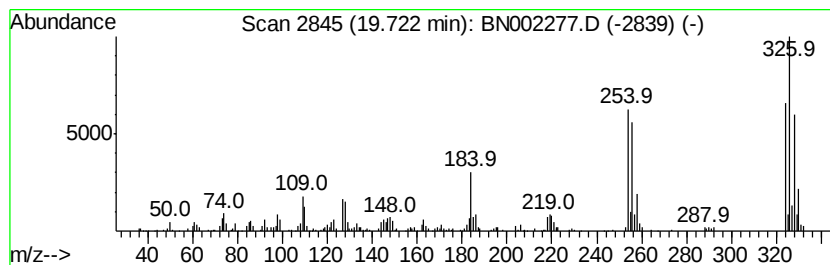
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 2,3,3',5,5'-Pentachloro-1,1... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.72 | 2.76 ng/ul | 391823 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,3,3',5,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 039635-32-0 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99   |
| 3    |    | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3',4,4',6-Penta... | 324 | C12H5Cl5 | 056558-17-9 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

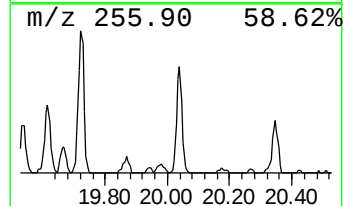
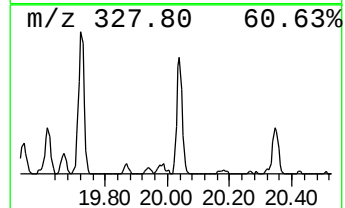
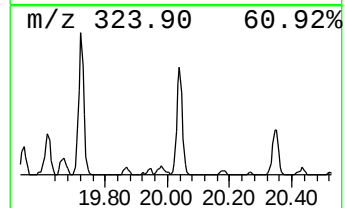
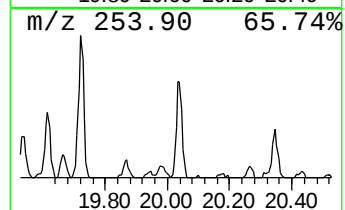
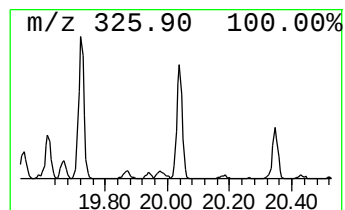
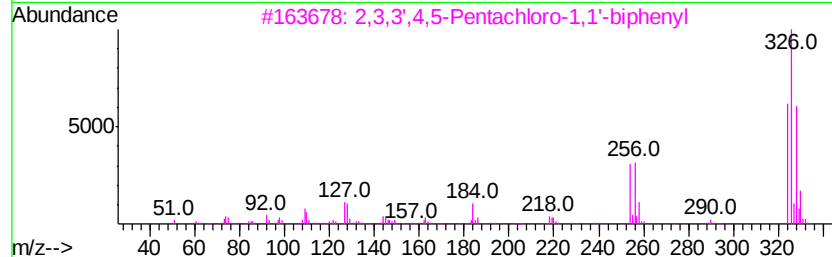
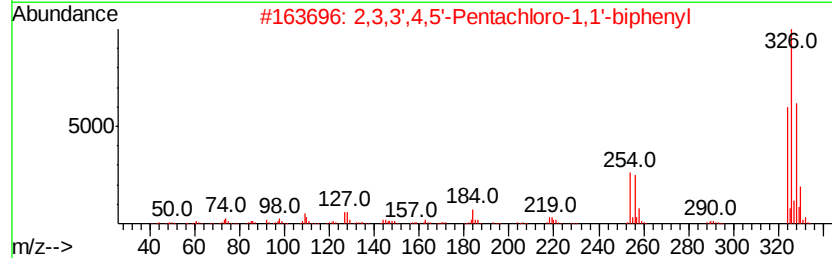
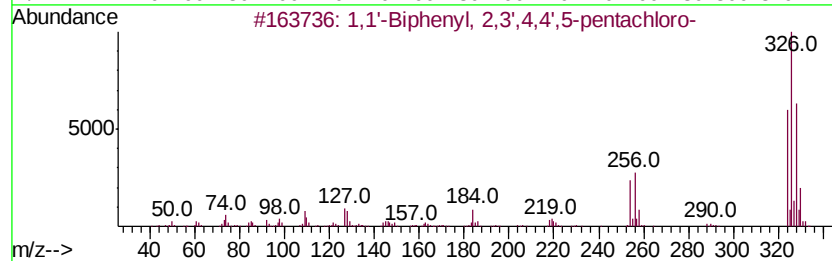
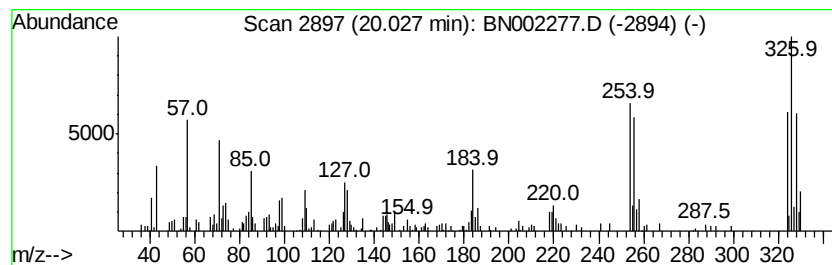
Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 8

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 20.03   | 2.32 ng/ul                          | 329391       | Chrysene-d12     | 21.26          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324          | C12H5Cl5         | 031508-00-6 99 |
| 2       | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324          | C12H5Cl5         | 070362-41-3 99 |
| 3       | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324          | C12H5Cl5         | 070424-69-0 99 |
| 4       | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324          | C12H5Cl5         | 037680-73-2 99 |
| 5       | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324          | C12H5Cl5         | 070424-69-0 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

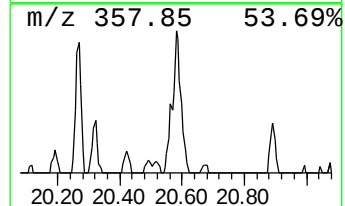
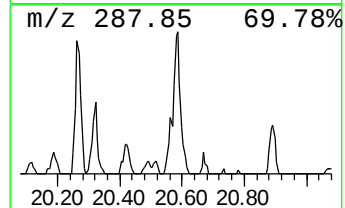
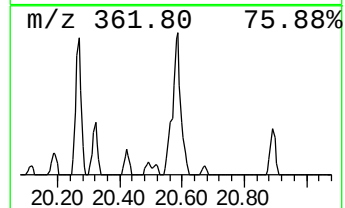
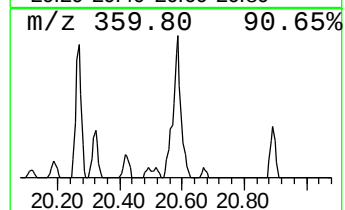
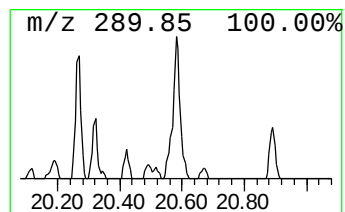
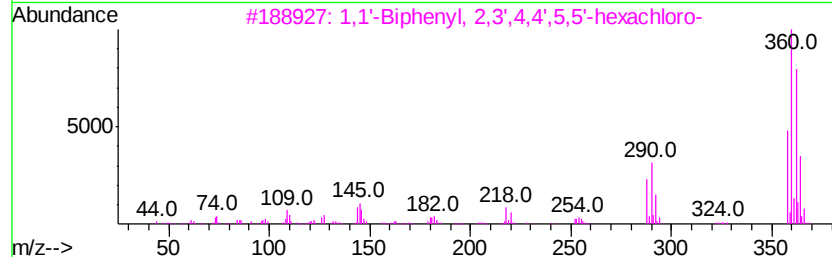
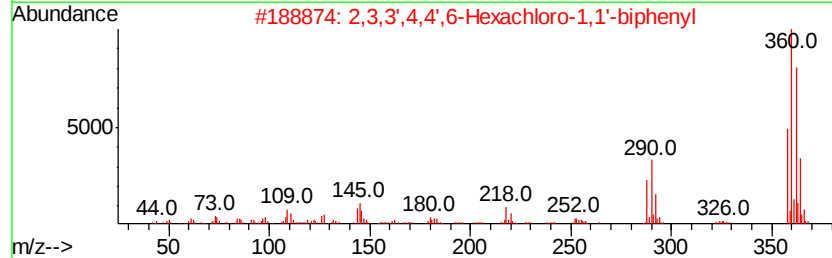
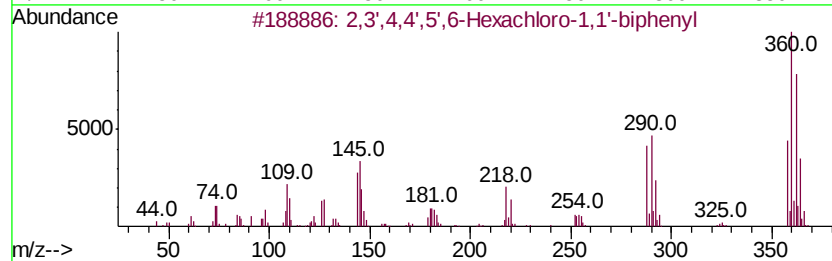
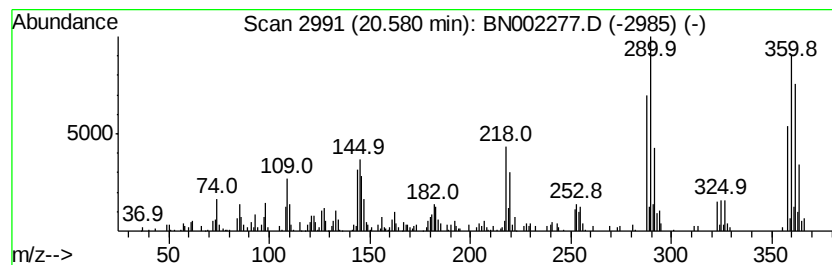
Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 20.58   | 2.33 ng/ul                          | 330130       | Chrysene-d12     | 21.26       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358          | C12H4Cl6         | 059291-65-5 | 99   |      |
| 2       | 2,3,3',4,4',6-Hexachloro-1,1'-bi... | 358          | C12H4Cl6         | 074472-42-7 | 99   |      |
| 3       | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358          | C12H4Cl6         | 052663-72-6 | 99   |      |
| 4       | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358          | C12H4Cl6         | 039635-35-3 | 99   |      |
| 5       | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358          | C12H4Cl6         | 039635-35-3 | 99   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

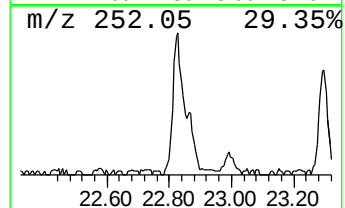
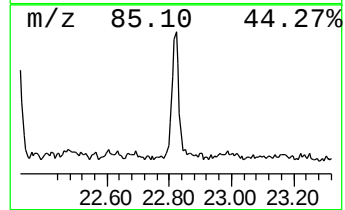
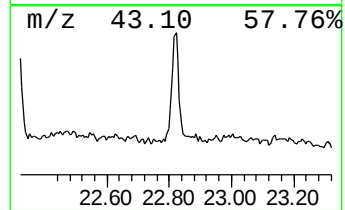
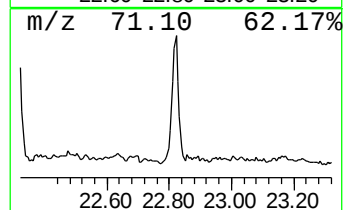
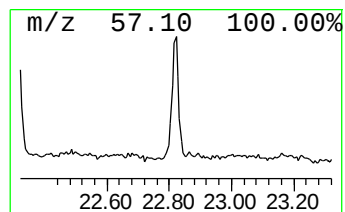
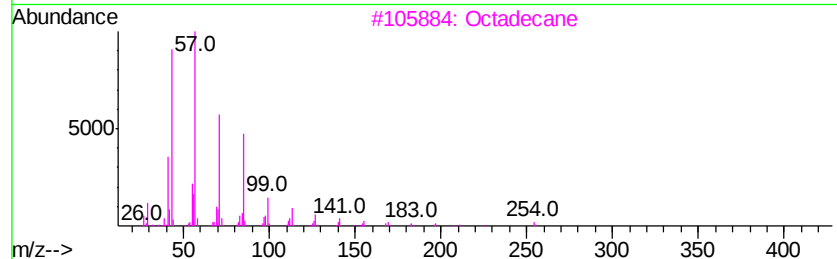
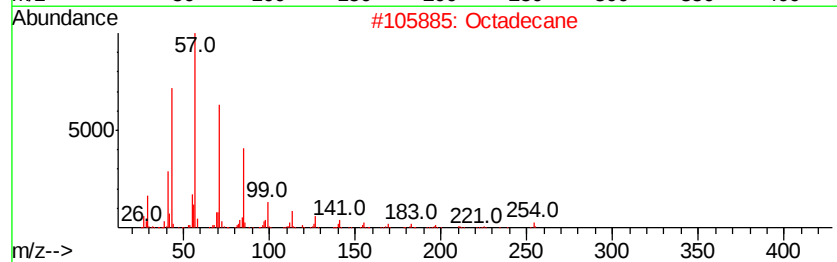
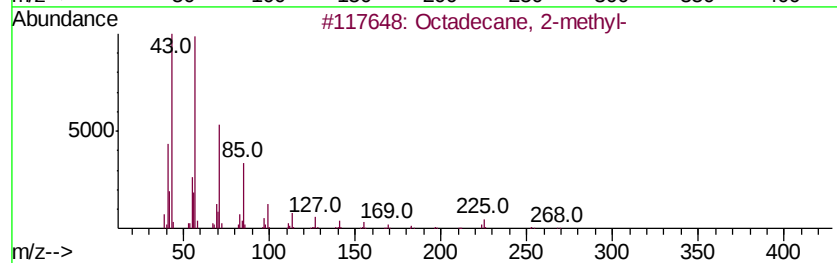
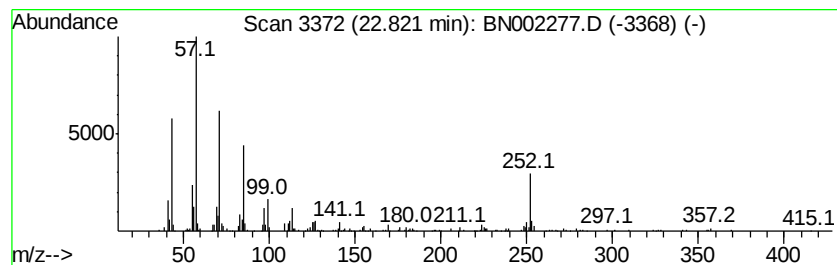
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.82 | 2.67 ng/ul | 359414 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------|-----|---------|--------------|------|
| 1    | 5  | Octadecane, 2-methyl-      | 268 | C19H40  | 001560-88-9  | 89   |
| 2    |    | Octadecane                 | 254 | C18H38  | 000593-45-3  | 89   |
| 3    |    | Octadecane                 | 254 | C18H38  | 000593-45-3  | 87   |
| 4    |    | Octacosane                 | 394 | C28H58  | 000630-02-4  | 76   |
| 5    |    | 5-Butyl-5-ethylheptadecane | 324 | C23H48  | 1000360-43-0 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

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Quant Title : SVOA CALIBRATION

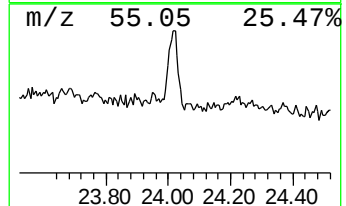
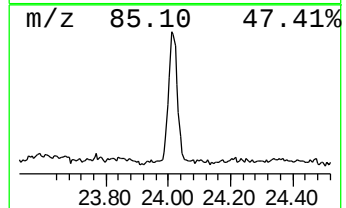
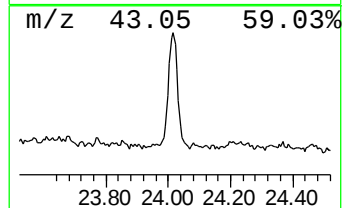
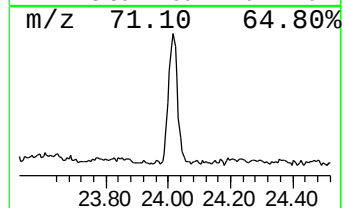
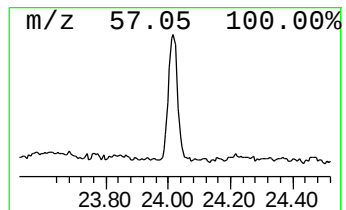
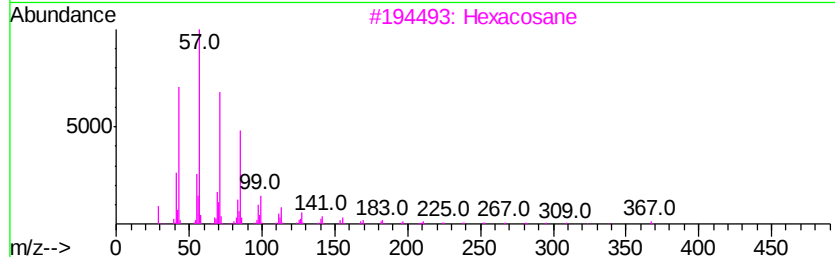
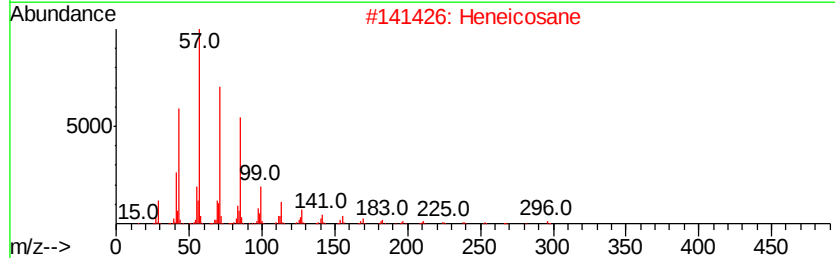
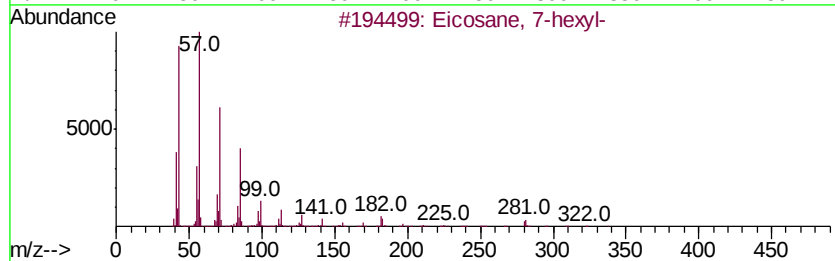
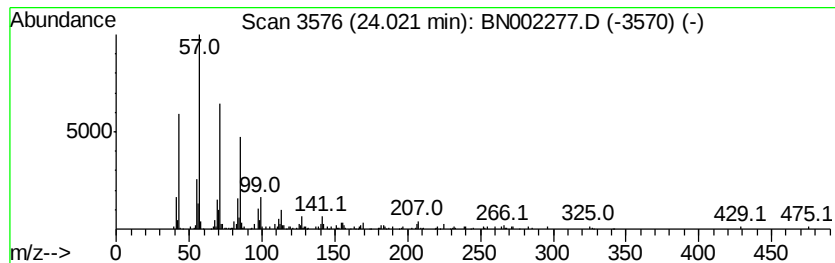
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.02 | 2.74 ng/ul | 368243 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 91   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Hexacosane             | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 90   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN080918\  
Data File : BN002277.D  
Acq On : 09 Aug 2018 23:29  
Operator : JU/SJ  
Sample : J4301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.97 | 2.2     | ng/ul | 289210   | 4                     | 17.06 | 2636470 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.99 | 2.3     | ng/ul | 308278   | 4                     | 17.06 | 2636470 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.27 | 3.9     | ng/ul | 555742   | 5                     | 21.26 | 2835330 | 20.0 |
| Phenol, 4,4'-(1-m... | 19.53 | 4.0     | ng/ul | 563522   | 5                     | 21.26 | 2835330 | 20.0 |
| 2,3,3',5,5'-Penta... | 19.72 | 2.8     | ng/ul | 391823   | 5                     | 21.26 | 2835330 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.03 | 2.3     | ng/ul | 329391   | 5                     | 21.26 | 2835330 | 20.0 |
| 2,3',4,4',5',6-He... | 20.58 | 2.3     | ng/ul | 330130   | 5                     | 21.26 | 2835330 | 20.0 |
| (DEL) Alkane: Str... | 22.82 | 2.7     | ng/ul | 359414   | 6                     | 23.49 | 2690840 | 20.0 |
| (DEL) Alkane: Str... | 24.02 | 2.7     | ng/ul | 368243   | 6                     | 23.49 | 2690840 | 20.0 |