

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
 Data File : BM016956.D  
 Acq On : 02 Oct 2018 12:04  
 Operator : MJ/SJ  
 Sample : J5126-05  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B93

## Integration Parameters: LSCINT.P

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

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.187    | 31         | 34       | 39        | rVB   | 1259873     | 1305305    | 35.18%       | 4.167%     |
| 2      | 7.710    | 796        | 803      | 815       | rBV   | 1220529     | 1925211    | 51.88%       | 6.146%     |
| 3      | 7.922    | 836        | 839      | 842       | rBV4  | 3269        | 3894       | 0.10%        | 0.012%     |
| 4      | 8.028    | 852        | 857      | 860       | rBV4  | 4066        | 6371       | 0.17%        | 0.020%     |
| 5      | 8.369    | 911        | 915      | 916       | rBV3  | 2697        | 4300       | 0.12%        | 0.014%     |
| 6      | 8.922    | 1005       | 1009     | 1014      | rBV3  | 6981        | 11106      | 0.30%        | 0.035%     |
| 7      | 10.351   | 1246       | 1252     | 1259      | rVB   | 34396       | 53711      | 1.45%        | 0.171%     |
| 8      | 10.434   | 1261       | 1266     | 1267      | rBV2  | 6452        | 5313       | 0.14%        | 0.017%     |
| 9      | 10.487   | 1267       | 1275     | 1285      | rVB   | 1700694     | 2807548    | 75.66%       | 8.962%     |
| 10     | 10.634   | 1292       | 1300     | 1302      | rBV5  | 5172        | 9597       | 0.26%        | 0.031%     |
| 11     | 10.745   | 1313       | 1319     | 1322      | rVB4  | 7672        | 12526      | 0.34%        | 0.040%     |
| 12     | 10.875   | 1336       | 1341     | 1343      | rBV   | 6613        | 10305      | 0.28%        | 0.033%     |
| 13     | 10.957   | 1348       | 1355     | 1361      | rBV6  | 8939        | 17318      | 0.47%        | 0.055%     |
| 14     | 11.175   | 1388       | 1392     | 1395      | rBV4  | 6083        | 9291       | 0.25%        | 0.030%     |
| 15     | 11.245   | 1400       | 1404     | 1407      | rVV2  | 5387        | 6513       | 0.18%        | 0.021%     |
| 16     | 11.275   | 1407       | 1409     | 1414      | rVB3  | 3194        | 4803       | 0.13%        | 0.015%     |
| 17     | 11.922   | 1513       | 1519     | 1523      | rVB   | 20074       | 28123      | 0.76%        | 0.090%     |
| 18     | 12.528   | 1617       | 1622     | 1624      | rBV3  | 3062        | 4513       | 0.12%        | 0.014%     |
| 19     | 12.698   | 1646       | 1651     | 1654      | rBV4  | 2133        | 3762       | 0.10%        | 0.012%     |
| 20     | 12.739   | 1654       | 1658     | 1660      | rBV3  | 3010        | 3960       | 0.11%        | 0.013%     |
| 21     | 12.763   | 1660       | 1662     | 1668      | rVV4  | 3225        | 5126       | 0.14%        | 0.016%     |
| 22     | 12.828   | 1668       | 1673     | 1676      | rVV4  | 4588        | 6319       | 0.17%        | 0.020%     |
| 23     | 12.880   | 1679       | 1682     | 1688      | rBV6  | 3552        | 5752       | 0.16%        | 0.018%     |
| 24     | 12.945   | 1688       | 1693     | 1696      | rBV7  | 3327        | 4370       | 0.12%        | 0.014%     |
| 25     | 13.098   | 1713       | 1719     | 1720      | rBV4  | 4544        | 6426       | 0.17%        | 0.021%     |
| 26     | 13.128   | 1720       | 1724     | 1729      | rVV5  | 8461        | 19516      | 0.53%        | 0.062%     |
| 27     | 13.175   | 1729       | 1732     | 1737      | rVV2  | 11223       | 17301      | 0.47%        | 0.055%     |
| 28     | 13.228   | 1737       | 1741     | 1744      | rVB5  | 3754        | 5433       | 0.15%        | 0.017%     |
| 29     | 13.310   | 1753       | 1755     | 1757      | rBV3  | 4144        | 4049       | 0.11%        | 0.013%     |
| 30     | 13.551   | 1793       | 1796     | 1798      | rBV4  | 4088        | 4609       | 0.12%        | 0.015%     |
| 31     | 13.663   | 1812       | 1815     | 1819      | rBV5  | 5373        | 7848       | 0.21%        | 0.025%     |
| 32     | 13.763   | 1827       | 1832     | 1836      | rBV3  | 30687       | 47561      | 1.28%        | 0.152%     |
| 33     | 13.839   | 1841       | 1845     | 1848      | rVV2  | 17000       | 22709      | 0.61%        | 0.072%     |
| 34     | 13.886   | 1849       | 1853     | 1858      | rVB7  | 12518       | 23135      | 0.62%        | 0.074%     |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 13.957 | 1862 | 1865 | 1870 | rBV6 | 4822    | 7472    | 0.20%   | 0.024%  |
| 36 | 13.998 | 1870 | 1872 | 1875 | rBV3 | 6272    | 7484    | 0.20%   | 0.024%  |
| 37 | 14.086 | 1883 | 1887 | 1893 | rBV6 | 14724   | 33617   | 0.91%   | 0.107%  |
| 38 | 14.175 | 1898 | 1902 | 1910 | rVB3 | 51220   | 84953   | 2.29%   | 0.271%  |
| 39 | 14.251 | 1910 | 1915 | 1919 | rBV6 | 18279   | 32606   | 0.88%   | 0.104%  |
| 40 | 14.351 | 1921 | 1932 | 1940 | rBV2 | 2234474 | 3553226 | 95.75%  | 11.343% |
| 41 | 14.445 | 1943 | 1948 | 1952 | rBV5 | 13832   | 27639   | 0.74%   | 0.088%  |
| 42 | 14.574 | 1967 | 1970 | 1971 | rBV2 | 11308   | 10866   | 0.29%   | 0.035%  |
| 43 | 14.880 | 2018 | 2022 | 2028 | rBV5 | 48993   | 84111   | 2.27%   | 0.269%  |
| 44 | 14.974 | 2036 | 2038 | 2039 | rBV  | 11040   | 7203    | 0.19%   | 0.023%  |
| 45 | 15.004 | 2041 | 2043 | 2048 | rVB5 | 29669   | 39022   | 1.05%   | 0.125%  |
| 46 | 15.074 | 2050 | 2055 | 2061 | rBV8 | 30777   | 76448   | 2.06%   | 0.244%  |
| 47 | 15.139 | 2062 | 2066 | 2071 | rVV3 | 77444   | 106594  | 2.87%   | 0.340%  |
| 48 | 15.392 | 2106 | 2109 | 2110 | rBV3 | 25472   | 26553   | 0.72%   | 0.085%  |
| 49 | 15.621 | 2143 | 2148 | 2153 | rVB2 | 106233  | 175846  | 4.74%   | 0.561%  |
| 50 | 15.827 | 2180 | 2183 | 2187 | rBV4 | 42974   | 63567   | 1.71%   | 0.203%  |
| 51 | 16.098 | 2222 | 2229 | 2235 | rBV  | 484408  | 883228  | 23.80%  | 2.819%  |
| 52 | 16.921 | 2365 | 2369 | 2377 | rVB  | 502711  | 714242  | 19.25%  | 2.280%  |
| 53 | 17.098 | 2394 | 2399 | 2407 | rBV  | 2447890 | 3710801 | 100.00% | 11.846% |
| 54 | 19.309 | 2772 | 2775 | 2780 | rVB3 | 405411  | 496374  | 13.38%  | 1.585%  |
| 55 | 20.015 | 2892 | 2895 | 2899 | rVB  | 1021294 | 1214584 | 32.73%  | 3.877%  |
| 56 | 20.056 | 2899 | 2902 | 2907 | rBV2 | 299974  | 389742  | 10.50%  | 1.244%  |
| 57 | 20.298 | 2939 | 2943 | 2947 | rVB  | 1438432 | 1748229 | 47.11%  | 5.581%  |
| 58 | 20.615 | 2994 | 2997 | 3002 | rVB2 | 703823  | 987062  | 26.60%  | 3.151%  |
| 59 | 20.762 | 3019 | 3022 | 3029 | rVB2 | 712483  | 864333  | 23.29%  | 2.759%  |
| 60 | 20.821 | 3030 | 3032 | 3039 | rVB4 | 348684  | 508514  | 13.70%  | 1.623%  |
| 61 | 21.086 | 3074 | 3077 | 3083 | rVB5 | 371441  | 469009  | 12.64%  | 1.497%  |
| 62 | 21.286 | 3107 | 3111 | 3114 | rBV  | 2433351 | 3188854 | 85.93%  | 10.179% |
| 63 | 21.315 | 3114 | 3116 | 3122 | rVB2 | 1396956 | 1576898 | 42.49%  | 5.034%  |
| 64 | 21.627 | 3166 | 3169 | 3173 | rVB  | 476840  | 602956  | 16.25%  | 1.925%  |
| 65 | 23.515 | 3485 | 3490 | 3498 | rVB2 | 1687310 | 3220582 | 86.79%  | 10.281% |

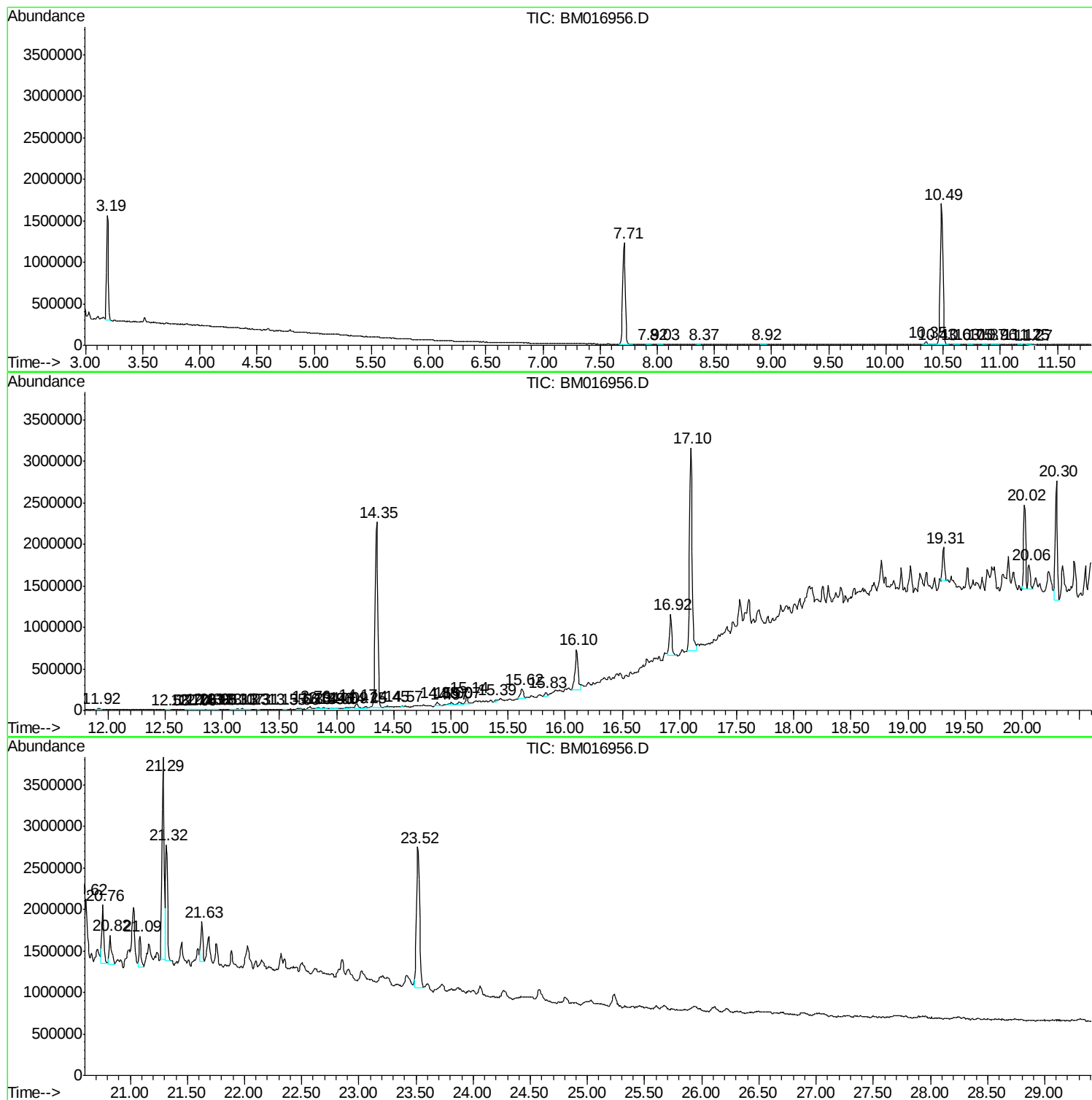
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Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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



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ALS Vial : 41 Sample Multiplier: 1

Instrument :  
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C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

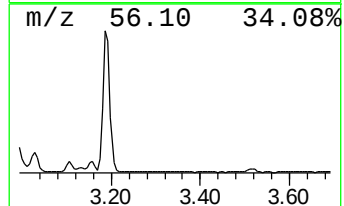
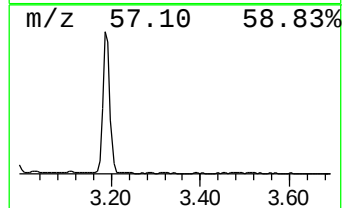
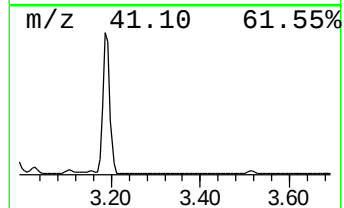
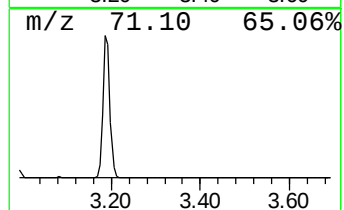
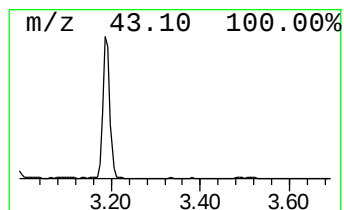
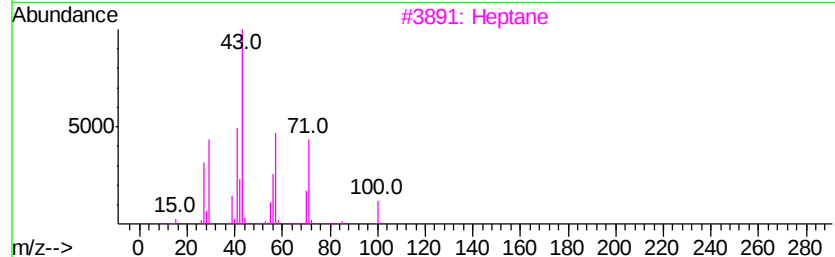
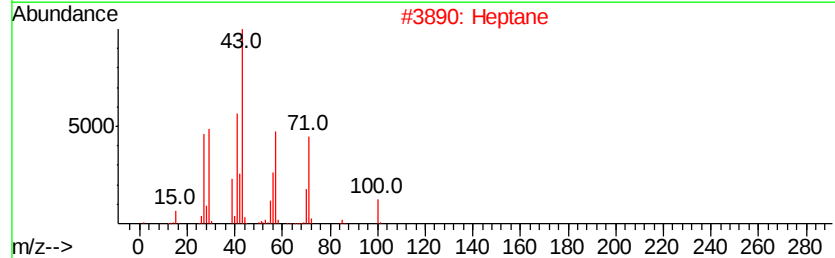
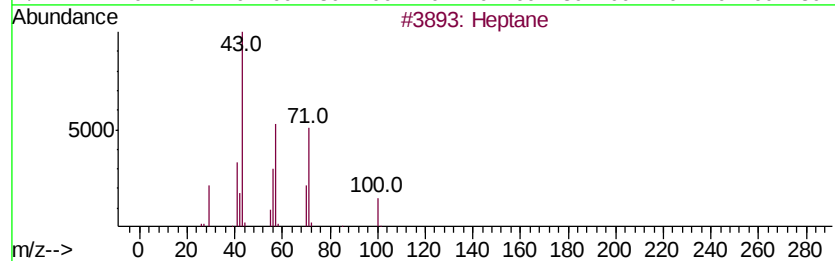
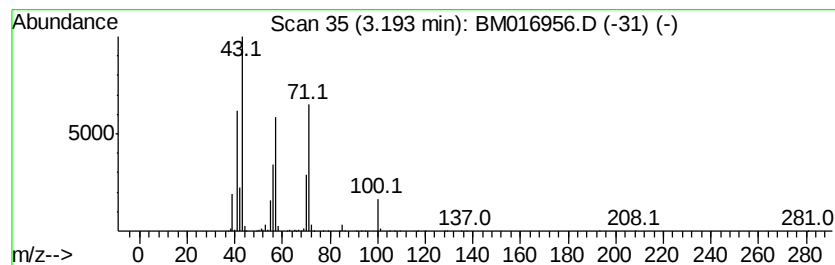
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.19 | 13.56 ng/ul | 1305310 | 1,4-Dichlorobenzene-d4 | 7.71 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane                   | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 91   |
| 3    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 90   |
| 4    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 90   |
| 5    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 40   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

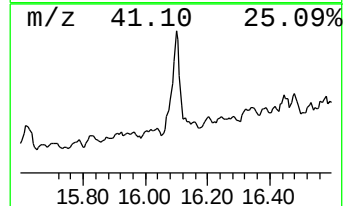
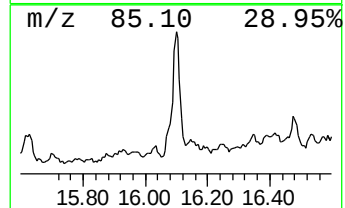
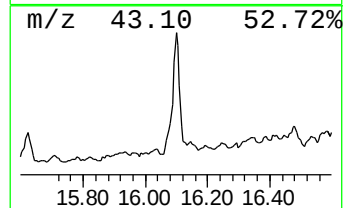
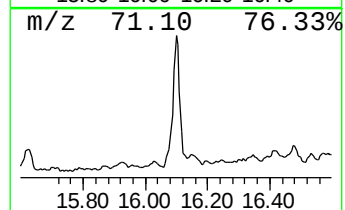
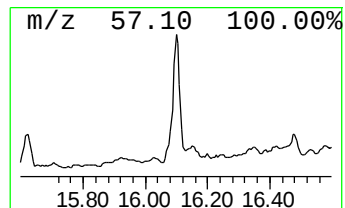
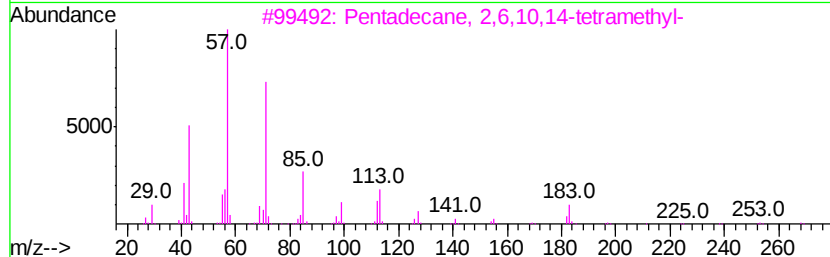
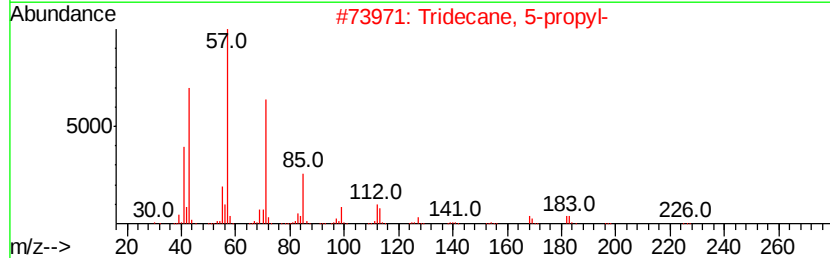
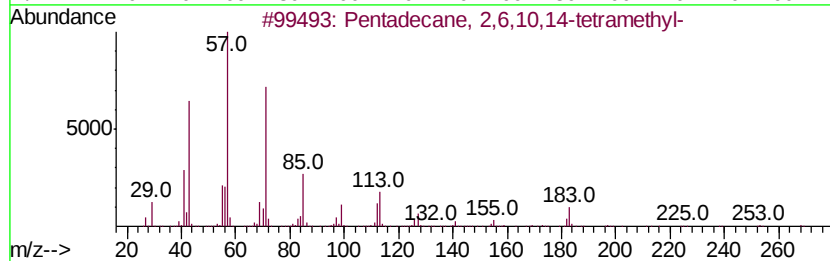
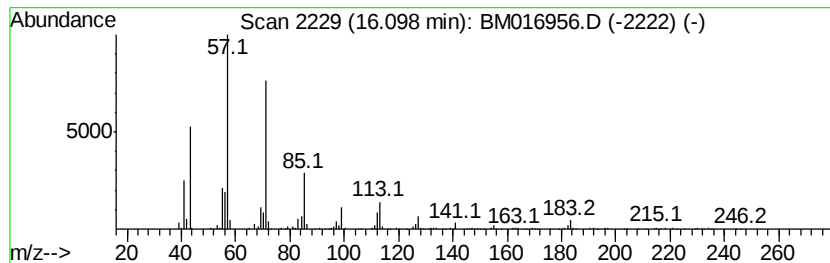
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.10 | 4.76 ng/ul | 883228 | Phenanthrene-d10 | 17.10 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 90   |
| 2    |    |   | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 90   |
| 3    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 90   |
| 4    |    |   | Undecane, 6-ethyl-                  | 184 | C13H28  | 017312-60-6 | 87   |
| 5    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 86   |



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Quant Title : SVOA CALIBRATION

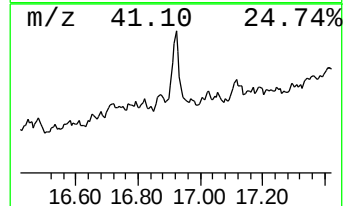
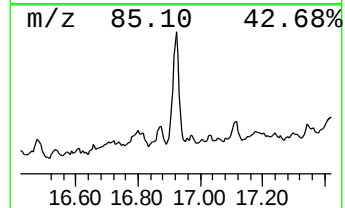
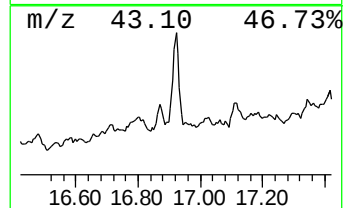
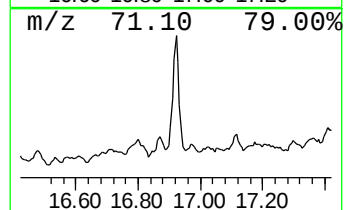
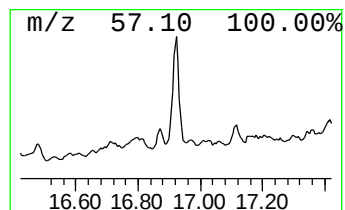
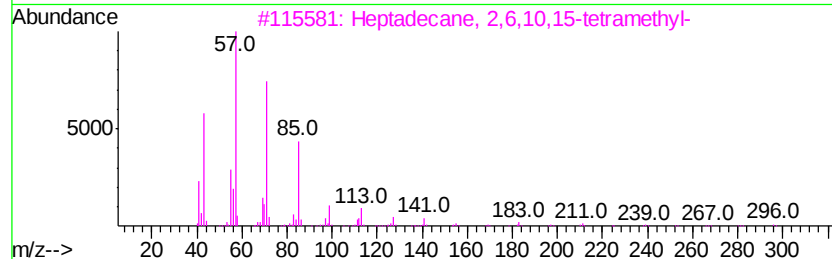
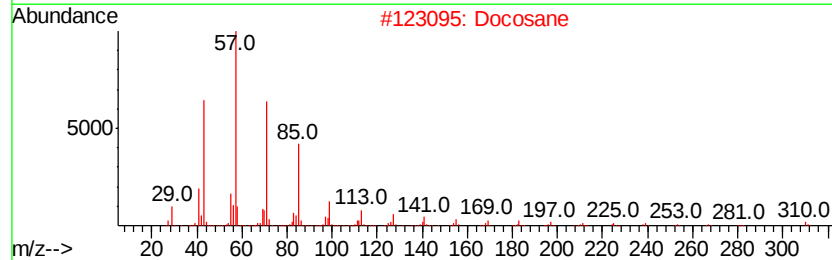
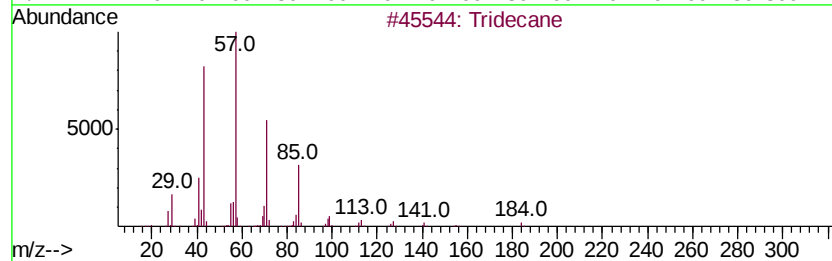
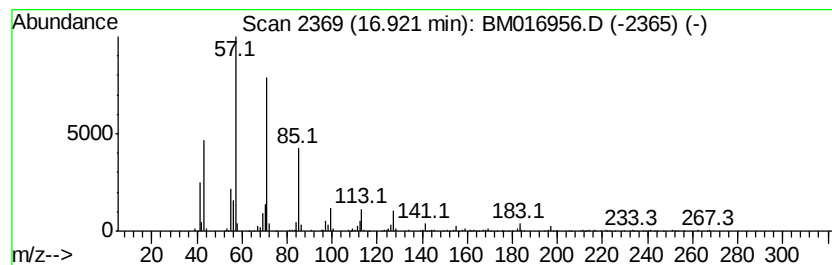
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.92 | 3.85 ng/ul | 714242 | Phenanthrene-d10 | 17.10 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |    |   | Docosane                            | 310 | C22H46  | 000629-97-0 | 90   |
| 3    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 4    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 83   |
| 5    |    |   | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 78   |



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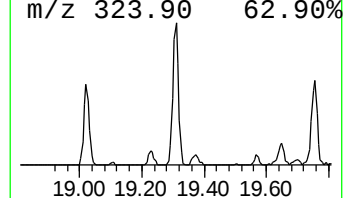
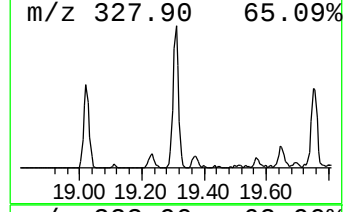
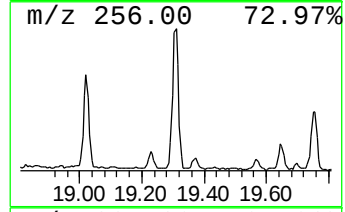
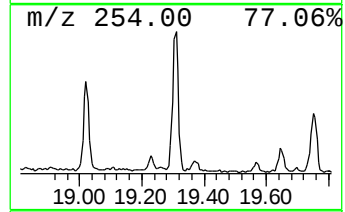
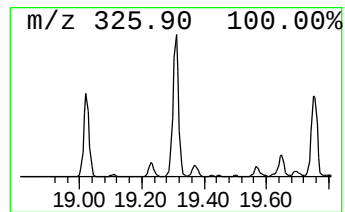
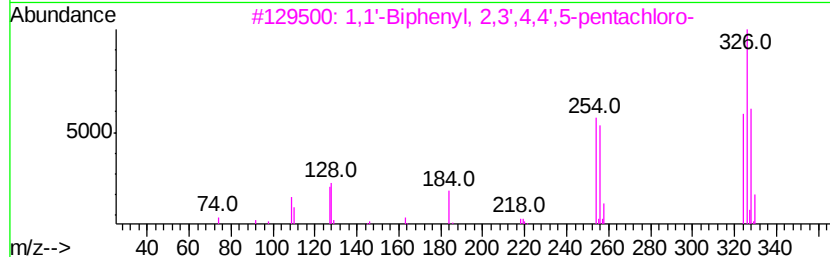
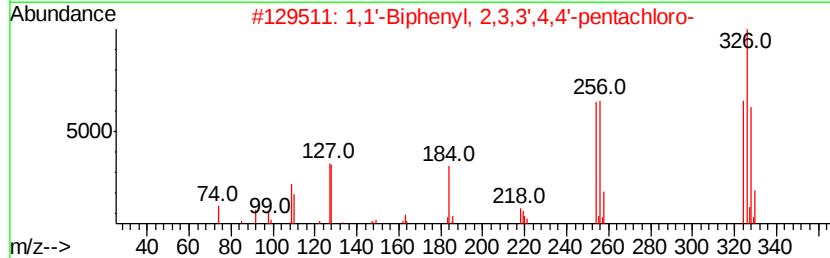
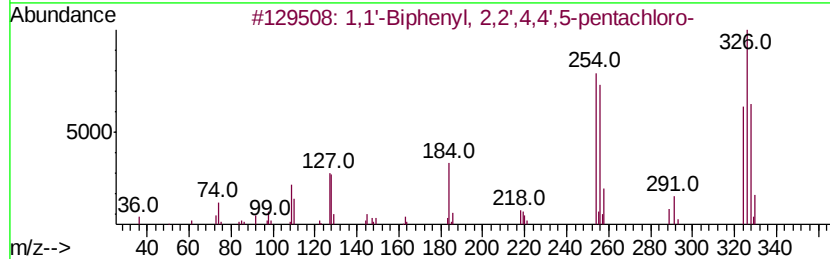
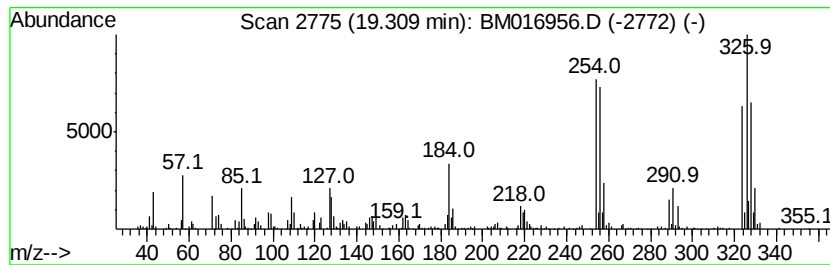
Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.31   | 3.11 ng/ul                          | 496374       | Chrysene-d12     | 21.29       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324          | C12H5Cl5         | 038380-01-7 | 99   |      |
| 2       | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324          | C12H5Cl5         | 032598-14-4 | 96   |      |
| 3       | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324          | C12H5Cl5         | 031508-00-6 | 96   |      |
| 4       | 1,1'-Biphenyl, 2,3,4,4',6-Pentac... | 324          | C12H5Cl5         | 074472-38-1 | 96   |      |
| 5       | 1,1'-Biphenyl, 2,3,4,5,6-pentach... | 324          | C12H5Cl5         | 018259-05-7 | 96   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

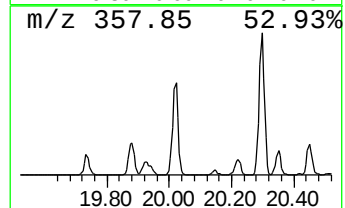
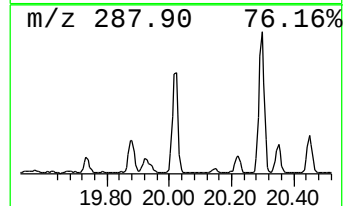
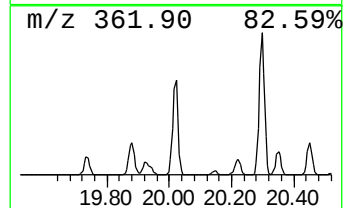
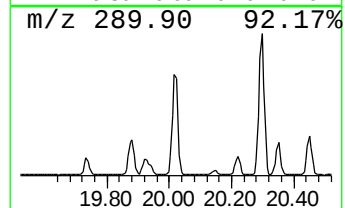
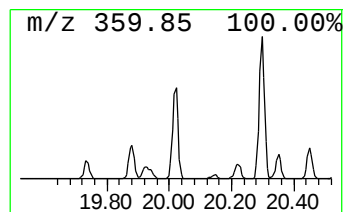
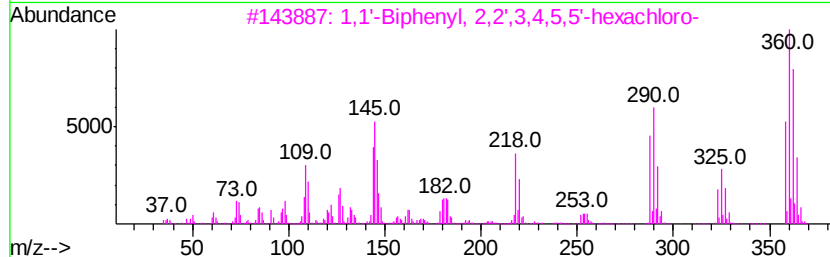
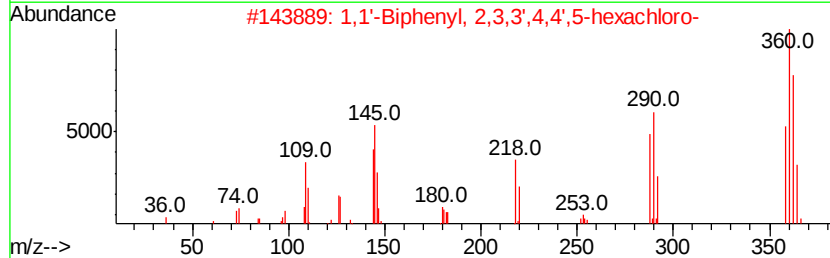
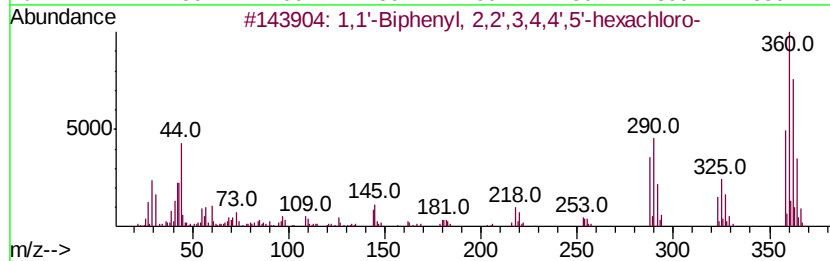
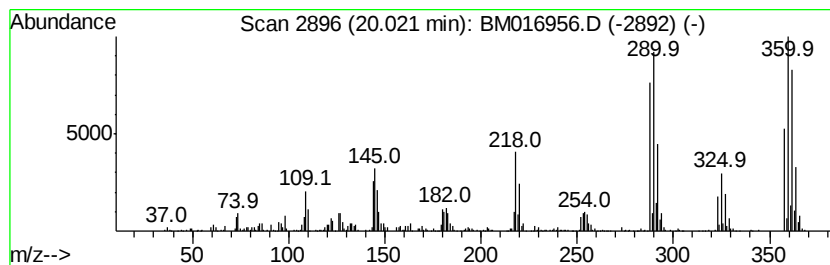
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.02 | 7.62 ng/ul | 1214580 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99   |
| 5    |    | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

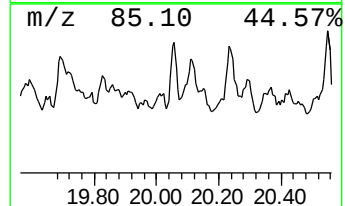
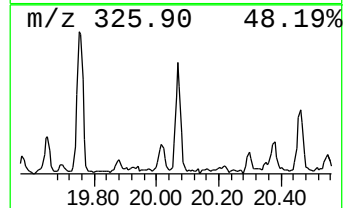
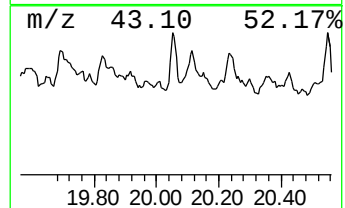
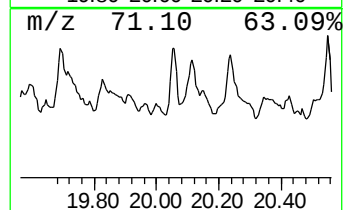
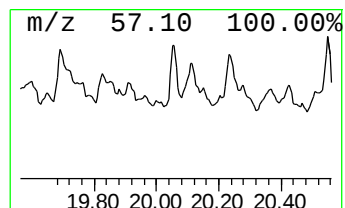
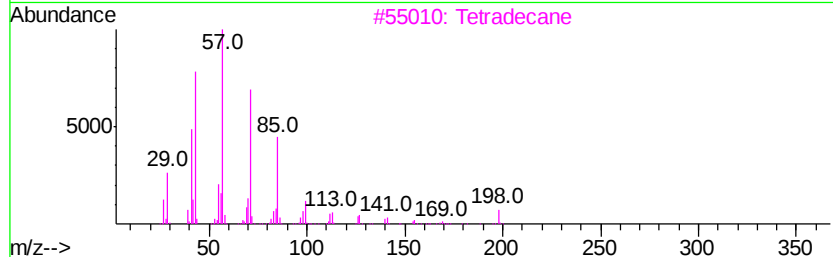
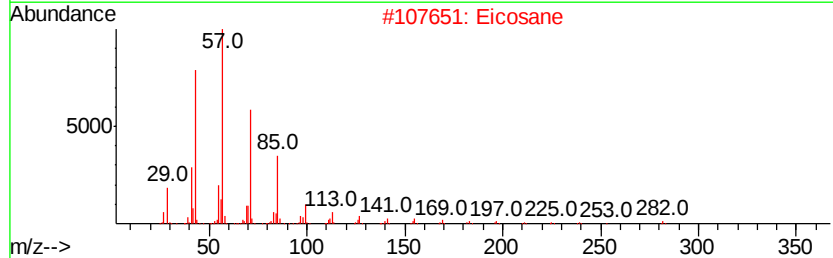
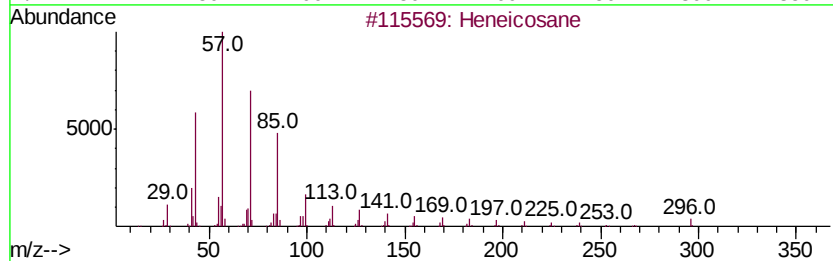
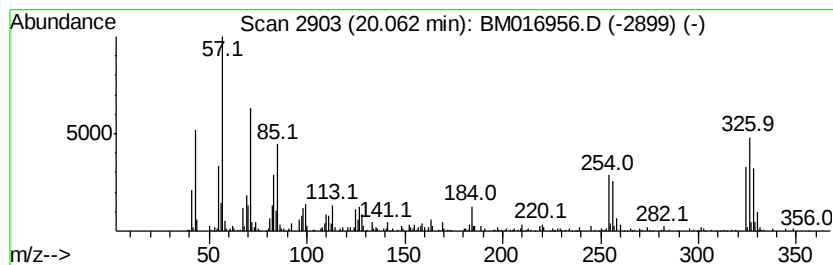
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.06 | 2.44 ng/ul | 389742 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 90   |
| 3    |    | Tetradecane       | 198 | C14H30  | 000629-59-4 | 70   |
| 4    |    | Tridecane         | 184 | C13H28  | 000629-50-5 | 70   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

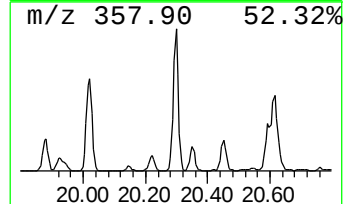
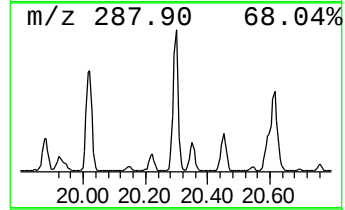
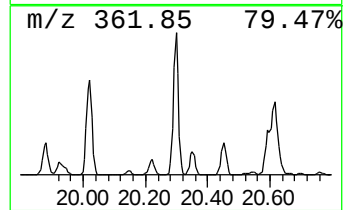
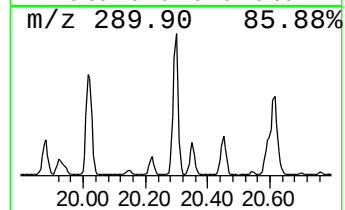
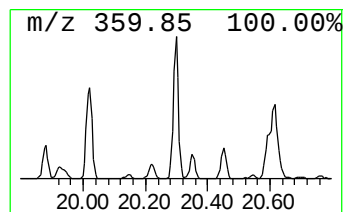
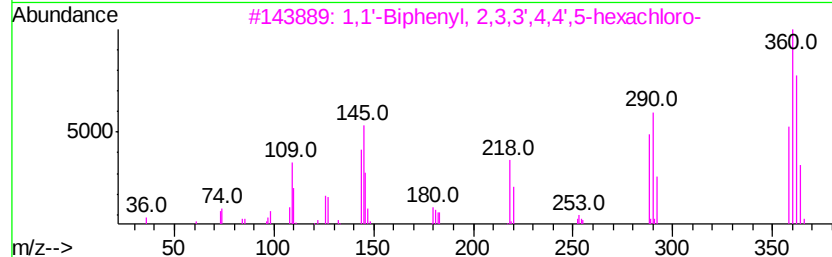
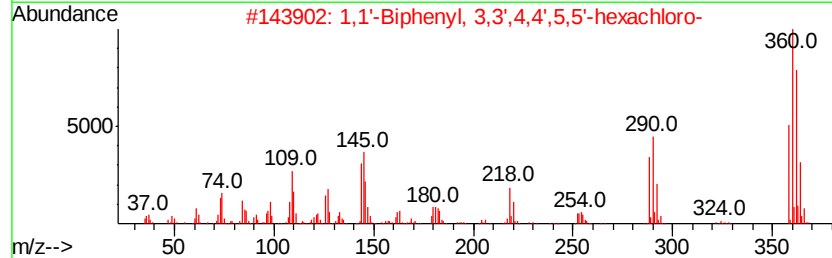
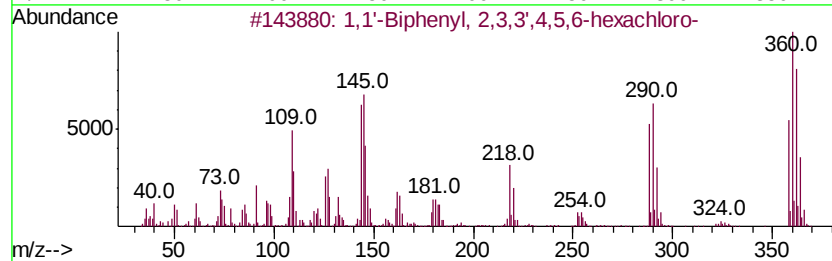
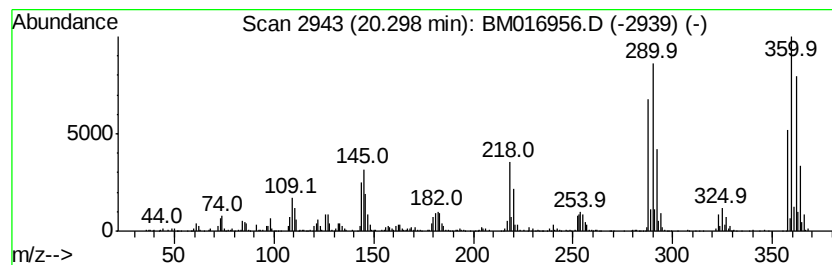
Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc       | Area                 | Relative to ISTD | R.T.     |             |      |
|---------|---------------|----------------------|------------------|----------|-------------|------|
| 20.30   | 10.96 ng/ul   | 1748230              | Chrysene-d12     | 21.29    |             |      |
| Hit# of | 5             | Tentative ID         | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'-Biphenyl | 2,3,3',4,5,6-hexa... | 358              | C12H4Cl6 | 041411-62-5 | 99   |
| 2       | 1,1'-Biphenyl | 3,3',4,4',5,5'-he... | 358              | C12H4Cl6 | 032774-16-6 | 99   |
| 3       | 1,1'-Biphenyl | 2,3,3',4,4',5-hex... | 358              | C12H4Cl6 | 038380-08-4 | 99   |
| 4       | 1,1'-Biphenyl | 2,2',4,4',6,6'-he... | 358              | C12H4Cl6 | 033979-03-2 | 98   |
| 5       | 1,1'-Biphenyl | 2,2',3,4,4',5'-he... | 358              | C12H4Cl6 | 035065-28-2 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

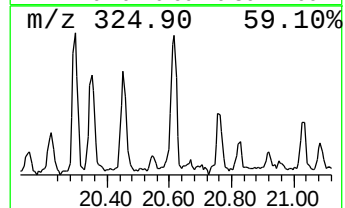
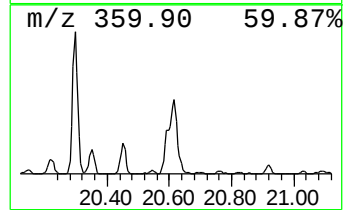
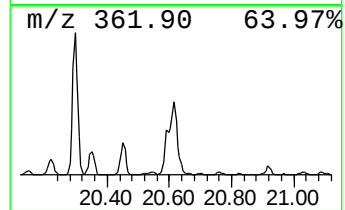
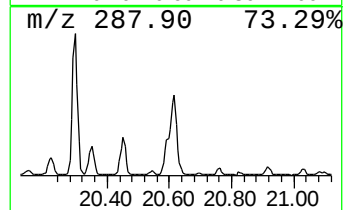
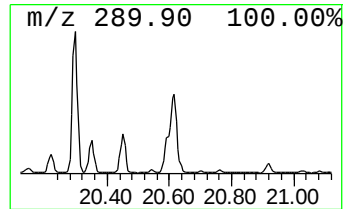
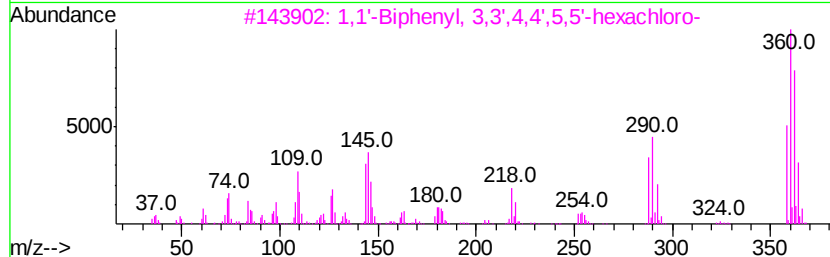
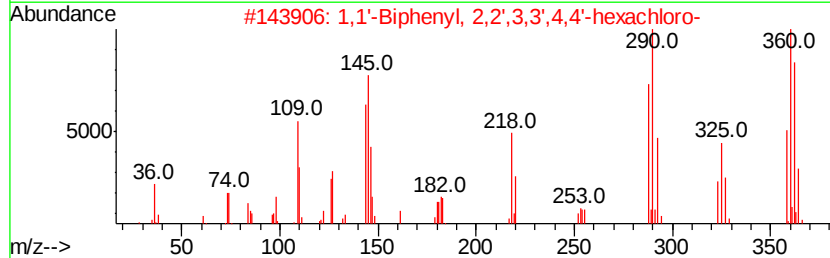
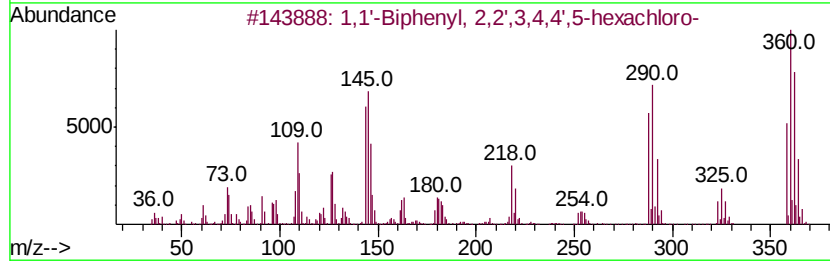
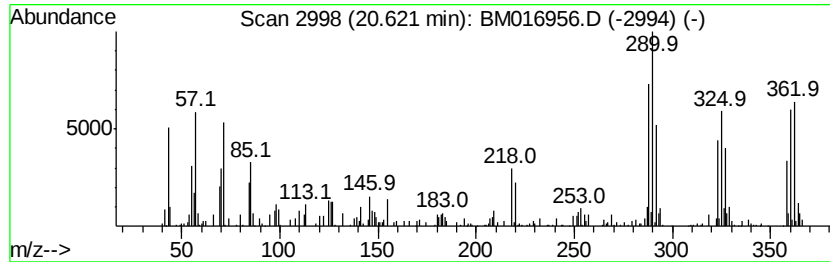
Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 20.62   | 6.19 ng/ul                          | 987062       | Chrysene-d12     | 21.29       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,1'-Biphenyl, 2,2',3,4,4',5-hex... | 358          | C12H4Cl6         | 035694-06-5 | 99   |      |
| 2       | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358          | C12H4Cl6         | 038380-07-3 | 99   |      |
| 3       | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358          | C12H4Cl6         | 032774-16-6 | 99   |      |
| 4       | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358          | C12H4Cl6         | 056030-56-9 | 99   |      |
| 5       | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358          | C12H4Cl6         | 052712-04-6 | 98   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

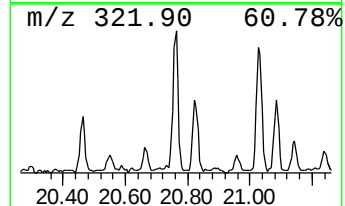
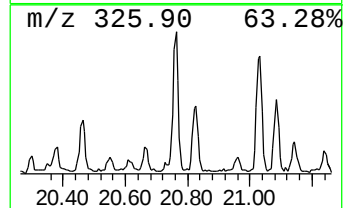
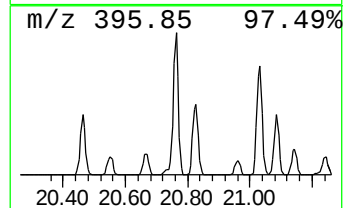
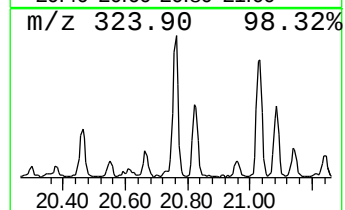
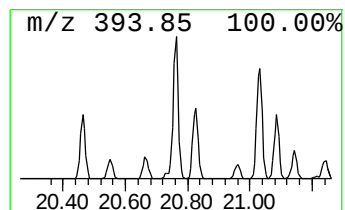
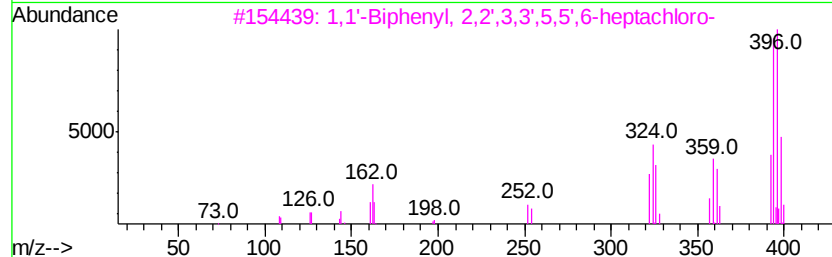
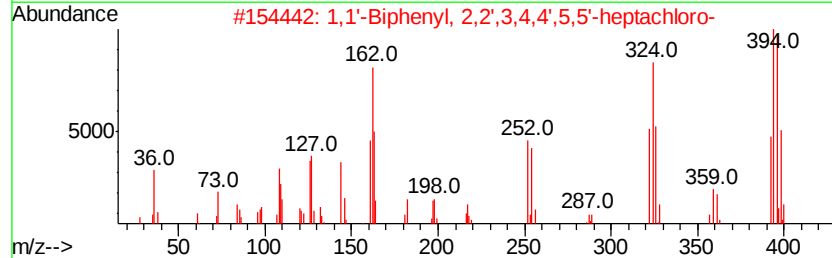
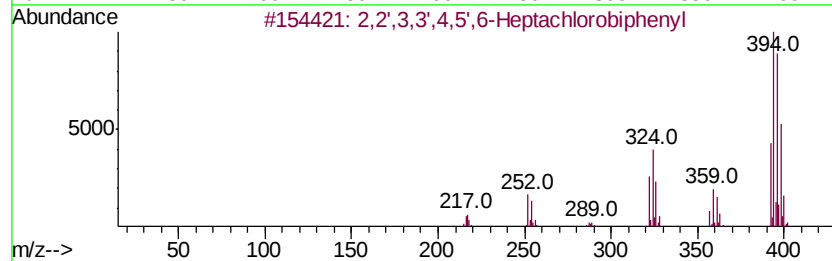
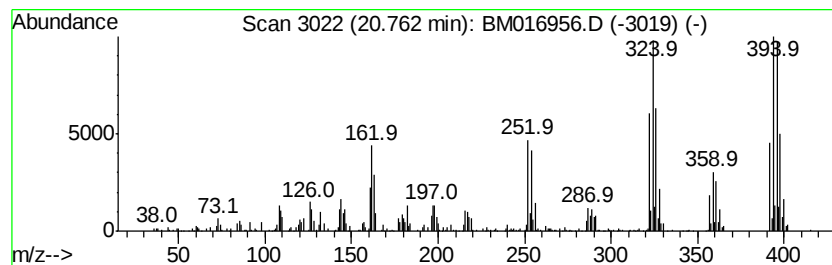
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.76 | 5.42 ng/ul | 864333 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,2',3,3',4,5',6-Heptachlorobiph... | 392 | C12H3Cl7 | 040186-70-7 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,4,4',5,5'-... | 392 | C12H3Cl7 | 035065-29-3 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,3',5,5',6-... | 392 | C12H3Cl7 | 052663-67-9 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',3,4,5,5',6-h... | 392 | C12H3Cl7 | 052712-05-7 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

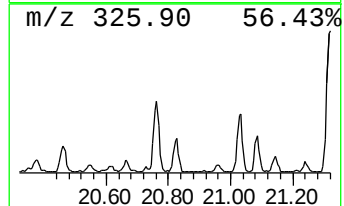
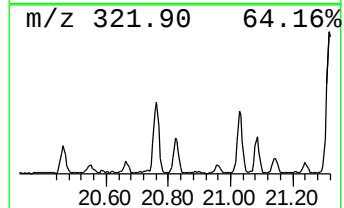
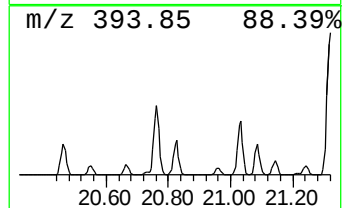
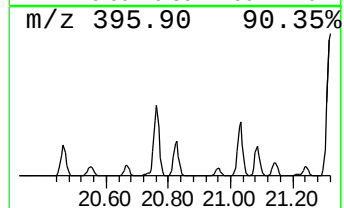
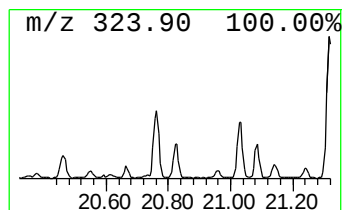
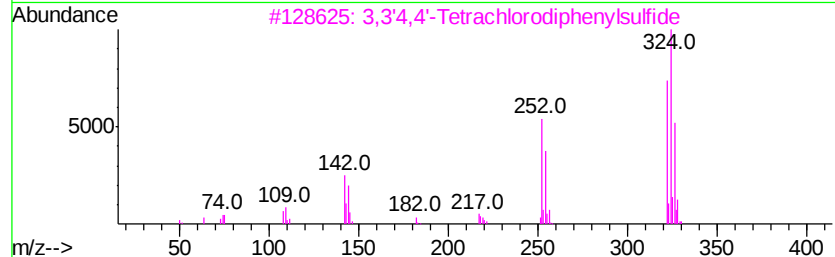
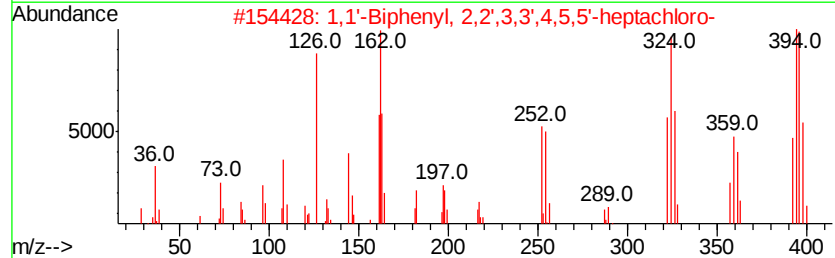
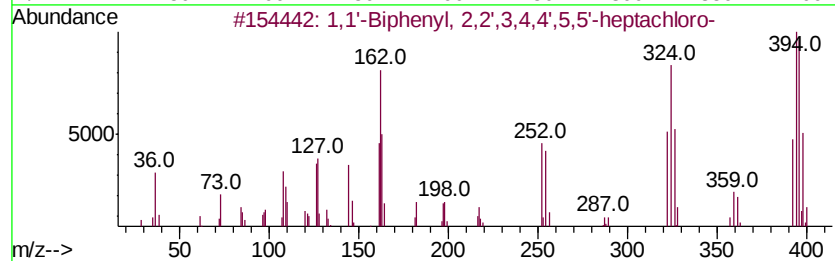
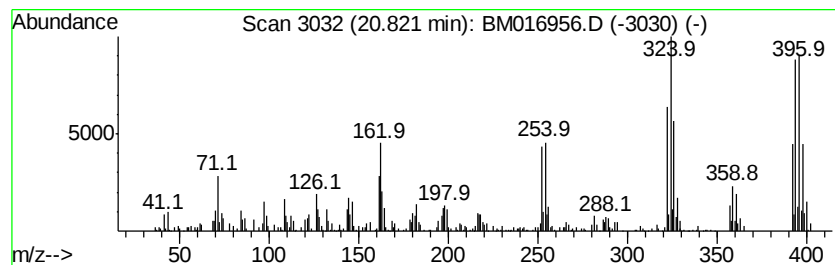
Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc    | Area                            | Relative to ISTD | R.T.      |             |      |
|---------|------------|---------------------------------|------------------|-----------|-------------|------|
| 20.82   | 3.19 ng/ul | 508514                          | Chrysene-d12     | 21.29     |             |      |
| Hit# of | 5          | Tentative ID                    | MW               | MolForm   | CAS#        | Qual |
| 1       | 1,1'       | -Biphenyl, 2,2',3,4,4',5,5'-... | 392              | C12H3Cl7  | 035065-29-3 | 96   |
| 2       | 1,1'       | -Biphenyl, 2,2',3,3',4,5,5'-... | 392              | C12H3Cl7  | 052663-74-8 | 96   |
| 3       | 3,3',4,4'  | -Tetrachlorodiphenylsulfide     | 322              | C12H6Cl4S | 076745-12-5 | 95   |
| 4       | 1,1'       | -Biphenyl, 2,2',3,4,4',5,6'-... | 392              | C12H3Cl7  | 060145-23-5 | 94   |
| 5       | 1,1'       | -Biphenyl, 2,2',3,4',5,5',6-... | 392              | C12H3Cl7  | 052663-68-0 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

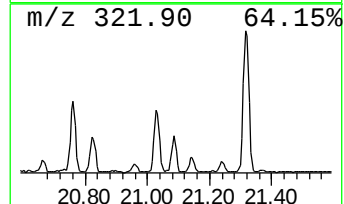
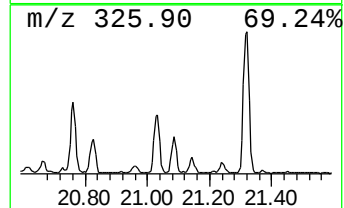
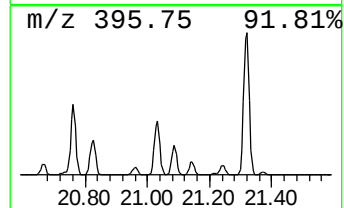
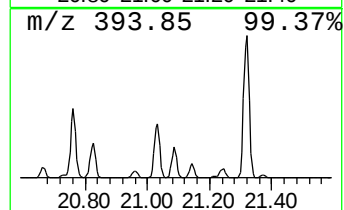
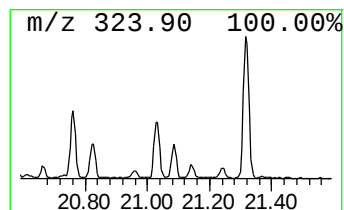
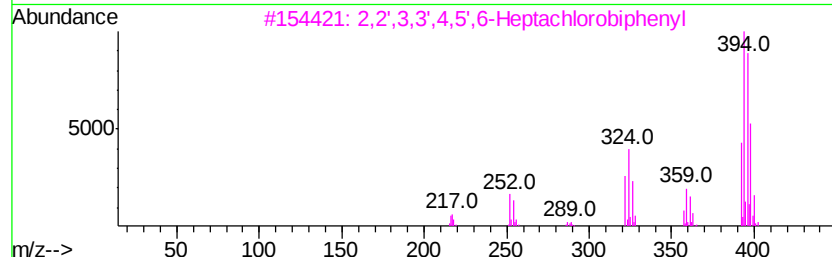
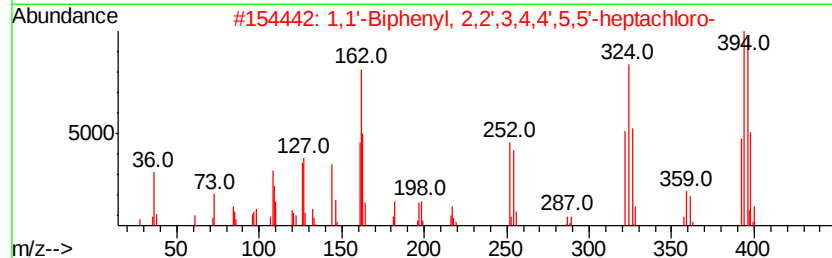
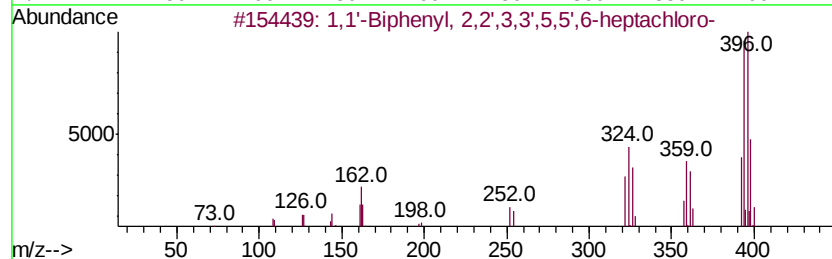
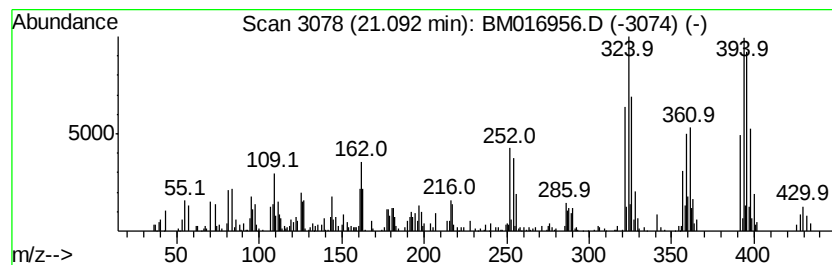
Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                             | Area                            | Relative to ISTD | R.T.     |             |      |
|---------|-------------------------------------|---------------------------------|------------------|----------|-------------|------|
| 21.09   | 2.94 ng/ul                          | 469009                          | Chrysene-d12     | 21.29    |             |      |
| Hit# of | 5                                   | Tentative ID                    | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'                                | -Biphenyl, 2,2',3,3',5,5',6-... | 392              | C12H3Cl7 | 052663-67-9 | 99   |
| 2       | 1,1'                                | -Biphenyl, 2,2',3,4,4',5,5'-... | 392              | C12H3Cl7 | 035065-29-3 | 99   |
| 3       | 2,2',3,3',4,5',6-Heptachlorobiph... |                                 | 392              | C12H3Cl7 | 040186-70-7 | 99   |
| 4       | 1,1'                                | -Biphenyl, 2,2',3,4',5,5',6-... | 392              | C12H3Cl7 | 052663-68-0 | 99   |
| 5       | 1,1'                                | -Biphenyl, 2,2',3,3',4,5,5'-... | 392              | C12H3Cl7 | 052663-74-8 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM100118\  
Data File : BM016956.D  
Acq On : 02 Oct 2018 12:04  
Operator : MJ/SJ  
Sample : J5126-05  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 3.19  | 13.6    | ng/ul | 1305310  | 1                     | 7.71  | 1925210 | 20.0 |
| (DEL) Alkane: Str... | 16.10 | 4.8     | ng/ul | 883228   | 4                     | 17.10 | 3710800 | 20.0 |
| (DEL) Alkane: Str... | 16.92 | 3.9     | ng/ul | 714242   | 4                     | 17.10 | 3710800 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.31 | 3.1     | ng/ul | 496374   | 5                     | 21.29 | 3188850 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.02 | 7.6     | ng/ul | 1214580  | 5                     | 21.29 | 3188850 | 20.0 |
| (DEL) Alkane: Str... | 20.06 | 2.4     | ng/ul | 389742   | 5                     | 21.29 | 3188850 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.30 | 11.0    | ng/ul | 1748230  | 5                     | 21.29 | 3188850 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.62 | 6.2     | ng/ul | 987062   | 5                     | 21.29 | 3188850 | 20.0 |
| 2,2',3,3',4,5',6-... | 20.76 | 5.4     | ng/ul | 864333   | 5                     | 21.29 | 3188850 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.82 | 3.2     | ng/ul | 508514   | 5                     | 21.29 | 3188850 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.09 | 2.9     | ng/ul | 469009   | 5                     | 21.29 | 3188850 | 20.0 |