LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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 | 40 | rVB | 1224952 | 1267665 | 0.55% | 0.106% |
| 2 | 7.716 | 796 | 804 | 805 | rBV | 1242815 | 1832797 | 0.80% | 0.153% |
| 3 | 7.751 | 805 | 810 | 819 | rVB | 7941594 | 12339878 | 5.39% | 1.030% |
| 4 | 8.063 | 855 | 863 | 872 | rVB | 6156952 | 9628098 | 4.20% | 0.804% |
| 5 | 9.639 | 1125 | 1131 | 1148 | rVB | 133019 | 276337 | 0.12% | 0.023% |
| 6 | 10.416 | 1245 | 1263 | 1269 | rBV7 | 54374472 | 229012282 | 100.00% | 19.123% |
| 7 | 10.522 | 1275 | 1281 | 1293 | rVB | 1942203 | 2974015 | 1.30% | 0.248% |
| 8 | 10.898 | 1334 | 1345 | 1352 | rBV | 33569184 | 65213905 | 28.48% | 5.445% |
| 9 | 11.598 | 1458 | 1464 | 1470 | rVB2 | 251501 | 480926 | 0.21% | 0.040% |
| 10 | 12.233 | 1567 | 1572 | 1578 | rBV6 | 119596 | 243560 | 0.11% | 0.020% |
| 11 | 12.533 | 1612 | 1623 | 1630 | rBV | 11817021 | 19505199 | 8.52% | 1.629% |
| 12 | 12.780 | 1661 | 1665 | 1670 | rVB4 | 187511 | 287655 | 0.13% | 0.024% |
| 13 | 12.945 | 1688 | 1693 | 1703 | rBV6 | 186515 | 404209 | 0.18% | 0.034% |
| 14 | 13.151 | 1720 | 1728 | 1738 | rBV | 13838605 | 21771620 | 9.51% | 1.818% |
| 15 | 13.669 | 1813 | 1816 | 1820 | rBV3 | 245687 | 375655 | 0.16% | 0.031% |
| 16 | 13.769 | 1829 | 1833 | 1838 | rBV | 1462946 | 2065938 | 0.90% | 0.173% |
| 17 | 13.845 | 1842 | 1846 | 1850 | rVV3 | 604264 | 997808 | 0.44% | 0.083% |
| 18 | 13.892 | 1850 | 1854 | 1863 | rVB5 | 465341 | 1077641 | 0.47% | 0.090% |
| 19 | 14.092 | 1883 | 1888 | 1894 | rBV5 | 760175 | 1650796 | 0.72% | 0.138% |
| 20 | 14.180 | 1899 | 1903 | 1911 | rVB | 2341807 | 3722020 | 1.63% | 0.311% |
| 21 | 14.257 | 1911 | 1916 | 1921 | rBV3 | 652516 | 1226270 | 0.54% | 0.102% |
| 22 | 14.321 | 1922 | 1927 | 1929 | rBV2 | 1112345 | 2016074 | 0.88% | 0.168% |
| 23 | 14.357 | 1929 | 1933 | 1941 | rVB2 | 2371672 | 3893792 | 1.70% | 0.325% |
| 24 | 14.674 | 1984 | 1987 | 1992 | rBV2 | 852055 | 1236179 | 0.54% | 0.103% |
| 25 | 14.886 | 2019 | 2023 | 2030 | rBV6 | 1077829 | 1932892 | 0.84% | 0.161% |
| 26 | 14.980 | 2037 | 2039 | 2041 | rBV3 | 428610 | 517867 | 0.23% | 0.043% |
| 27 | 15.080 | 2051 | 2056 | 2061 | rBV6 | 931873 | 2021968 | 0.88% | 0.169% |
| 28 | 15.145 | 2062 | 2067 | 2072 | rBV2 | 2741466 | 4297605 | 1.88% | 0.359% |
| 29 | 15.398 | 2107 | 2110 | 2113 | rBV2 | 712871 | 1135076 | 0.50% | 0.095% |
| 30 | 16.110 | 2223 | 2231 | 2237 | rBV2 | 3530693 | 7159475 | 3.13% | 0.598% |
| 31 | 17.104 | 2397 | 2400 | 2410 | rBV2 | 2194785 | 3990201 | 1.74% | 0.333% |
| 32 | 19.033 | 2723 | 2728 | 2733 | rVB | 19321456 | 25110736 | 10.96% | 2.097% |
| 33 | 19.233 | 2759 | 2762 | 2767 | rVB | 2468397 | 3038599 | 1.33% | 0.254% |
| 34 | 19.321 | 2771 | 2777 | 2782 | rVB | 23083450 | 30360804 | 13.26% | 2.535% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.650 | 2829 | 2833 | 2838 | rVB | 2828473 | 3672283 | 1.60% | 0.307% |
| 36 | 19.745 | 2844 | 2849 | 2850 | rBV | 11591245 | 15146728 | 6.61% | 1.265% |
| 37 | 19.886 | 2868 | 2873 | 2877 | rBV | 23223865 | 29042463 | 12.68% | 2.425% |
| 38 | 19.933 | 2877 | 2881 | 2891 | rVB | 10509647 | 17912460 | 7.82% | 1.496% |
| 39 | 20.033 | 2892 | 2898 | 2902 | rBV | 44870829 | 68431140 | 29.88% | 5.714% |
| 40 | 20.080 | 2902 | 2906 | 2910 | rVB | 3699597 | 4456068 | 1.95% | 0.372% |
| 41 | 20.150 | 2914 | 2918 | 2924 | rVB | 3100521 | 4152031 | 1.81% | 0.347% |
| 42 | 20.227 | 2926 | 2931 | 2939 | rVB | 8722313 | 11443754 | 5.00% | 0.956% |
| 43 | 20.321 | 2939 | 2947 | 2950 | rBV | 48576370 | 73714262 | 32.19% | 6.155% |
| 44 | 20.362 | 2950 | 2954 | 2964 | rVB | 18793360 | 23334547 | 10.19% | 1.948% |
| 45 | 20.468 | 2966 | 2972 | 2978 | rVB2 | 25972123 | 40454463 | 17.66% | 3.378% |
| 46 | 20.556 | 2982 | 2987 | 2990 | rBV | 6155273 | 7096586 | 3.10% | 0.593% |
| 47 | 20.633 | 2990 | 3000 | 3004 | rVV | 35456422 | 77931410 | 34.03% | 6.507% |
| 48 | 20.674 | 3004 | 3007 | 3011 | rVV | 6973358 | 7691223 | 3.36% | 0.642% |
| 49 | 20.709 | 3011 | 3013 | 3015 | rVV | 699069 | 660026 | 0.29% | 0.055% |
| 50 | 20.739 | 3015 | 3018 | 3019 | rVV | 1246123 | 1309892 | 0.57% | 0.109% |
| 51 | 20.774 | 3019 | 3024 | 3029 | rVB | 33855362 | 42884634 | 18.73% | 3.581% |
| 52 | 20.833 | 3029 | 3034 | 3039 | rBV | 17930270 | 21077778 | 9.20% | 1.760% |
| 53 | 20.927 | 3045 | 3050 | 3053 | rBV | 4968557 | 5718058 | 2.50% | 0.477% |
| 54 | 20.968 | 3053 | 3057 | 3063 | rVV | 3958444 | 4949238 | 2.16% | 0.413% |
| 55 | 21.044 | 3064 | 3070 | 3074 | rVV | 29917475 | 39356678 | 17.19% | 3.286% |
| 56 | 21.097 | 3074 | 3079 | 3084 | rVV2 | 19144217 | 24750054 | 10.81% | 2.067% |
| 57 | 21.150 | 3084 | 3088 | 3091 | rVV | 8801059 | 10673309 | 4.66% | 0.891% |
| 58 | 21.174 | 3091 | 3092 | 3099 | rVV2 | 3586190 | 5708348 | 2.49% | 0.477% |
| 59 | 21.244 | 3101 | 3104 | 3108 | rVV | 4976843 | 6199890 | 2.71% | 0.518% |
| 60 | 21.339 | 3108 | 3120 | 3124 | rVV2 | 49485461 | 78768524 | 34.39% | 6.577% |
| 61 | 21.380 | 3124 | 3127 | 3133 | rVB | 1412344 | 1480077 | 0.65% | 0.124% |
| 62 | 21.462 | 3137 | 3141 | 3146 | rVB | 1851849 | 2226983 | 0.97% | 0.186% |
| 63 | 21.639 | 3165 | 3171 | 3176 | rBV | 27599272 | 39598739 | 17.29% | 3.307% |
| 64 | 21.697 | 3176 | 3181 | 3186 | rVV | 11741094 | 15534793 | 6.78% | 1.297% |
| 65 | 21.762 | 3187 | 3192 | 3198 | rVB | 14327256 | 17813426 | 7.78% | 1.487% |
| 66 | 21.939 | 3218 | 3222 | 3228 | rVB2 | 986222 | 1252660 | 0.55% | 0.105% |
| 67 | 22.068 | 3241 | 3244 | 3246 | rBV | 241170 | 306321 | 0.13% | 0.026% |
| 68 | 22.103 | 3246 | 3250 | 3257 | rVB | 4895869 | 6693381 | 2.92% | 0.559% |
| 69 | 22.168 | 3258 | 3261 | 3266 | rVB2 | 295638 | 389290 | 0.17% | 0.033% |
| 70 | 22.327 | 3282 | 3288 | 3293 | rBV | 11248263 | 15418432 | 6.73% | 1.287% |
| 71 | 22.380 | 3293 | 3297 | 3302 | rVB2 | 678139 | 931824 | 0.41% | 0.078% |

LSC Area Percent Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 22.774 | 3358 | 3364 | 3372 | rVB2 | 1571153 | 2506149 | 1.09% | 0.209% |
| 73 | 23.521 | 3485 | 3491 | 3500 | rVB2 | 1996467 | 3832259 | 1.67% | 0.320% |

Sum of corrected areas: 1197585723

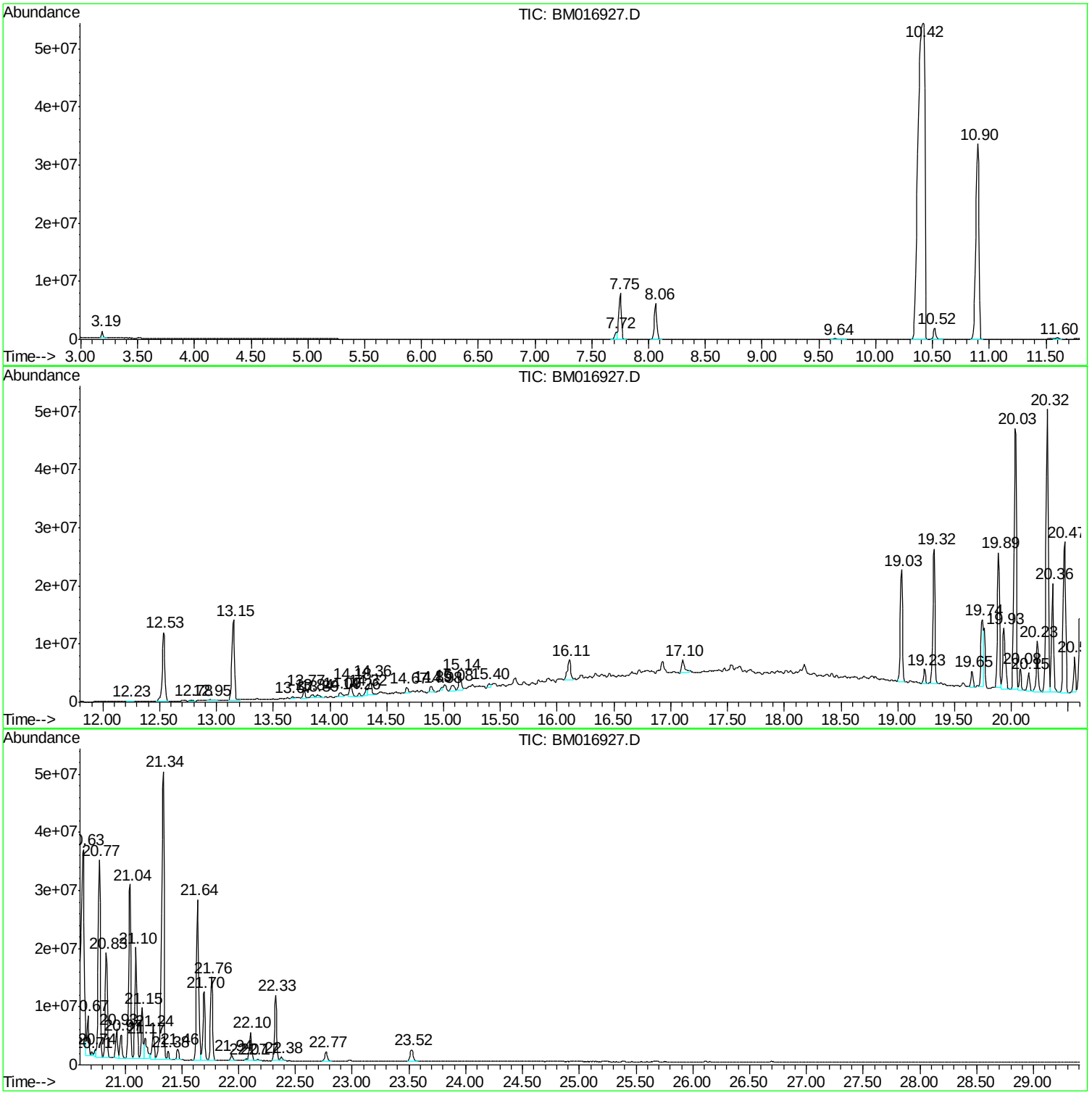
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

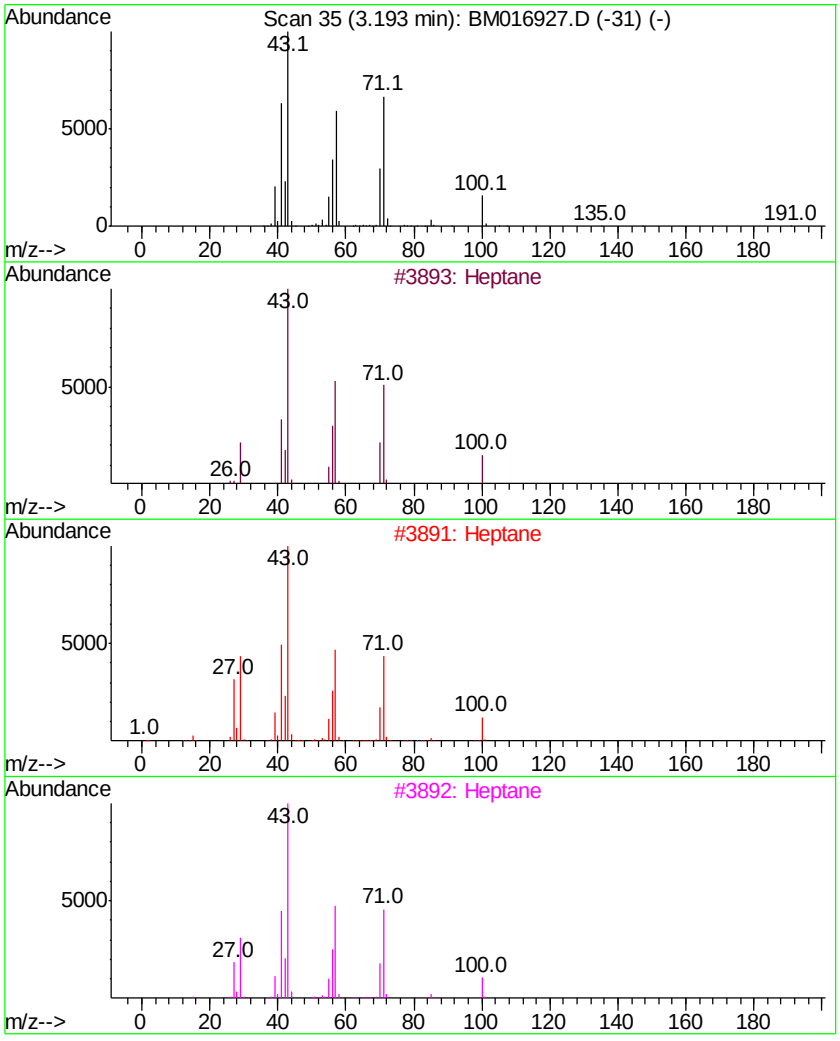
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION

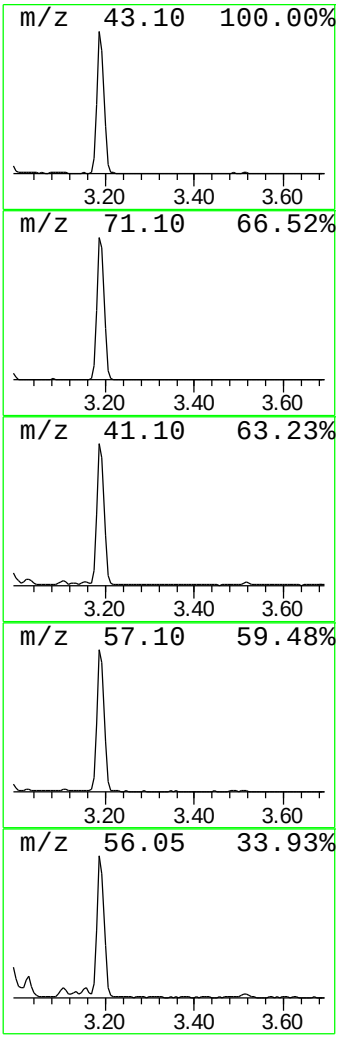
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 13.83 ng/ul | 1267670 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 90 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 87 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 86 |
| 5 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 43 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

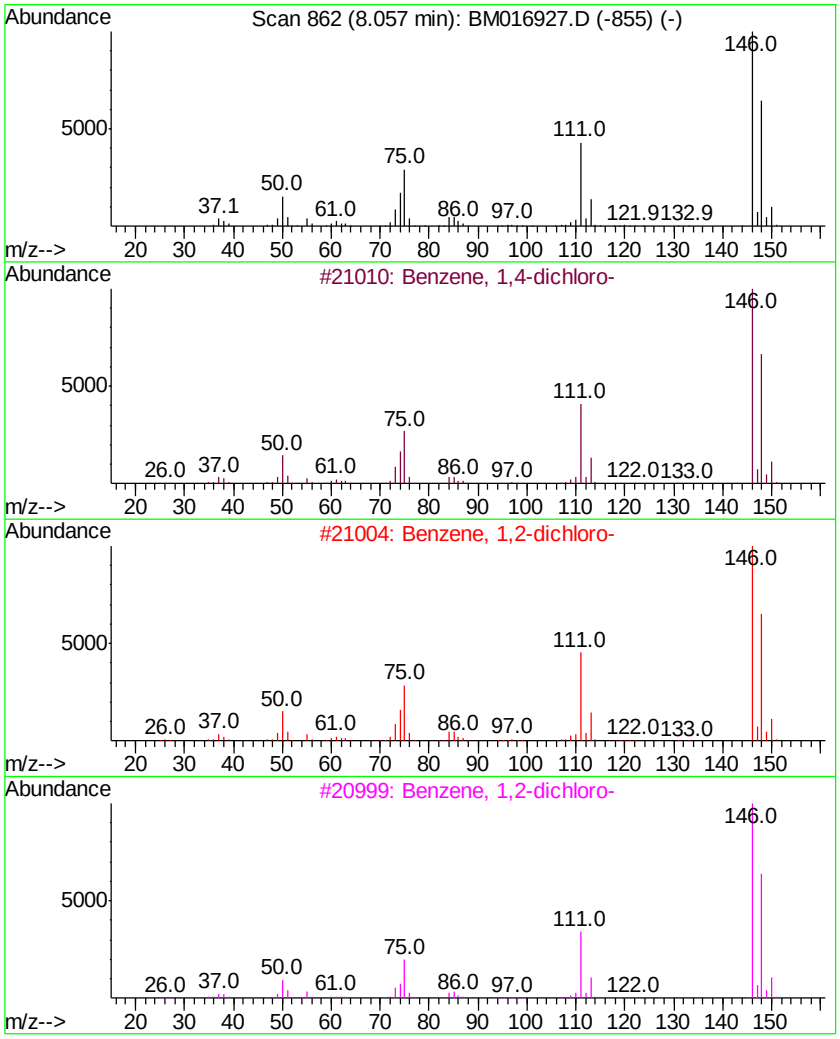
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

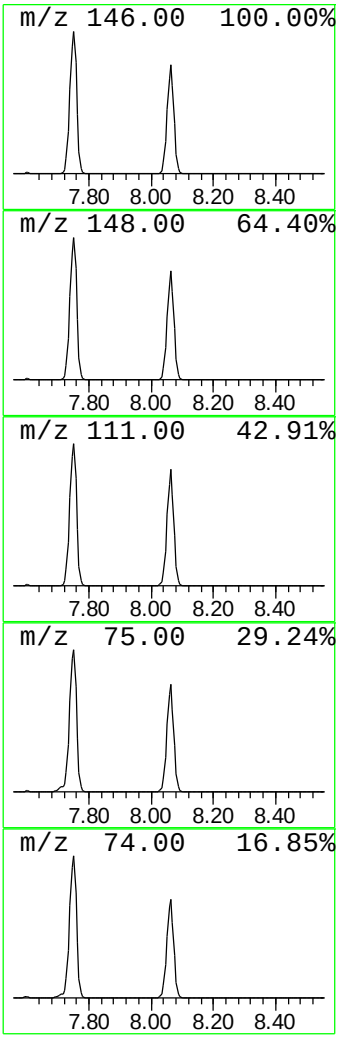
**********

Peak Number 2 Benzene, 1,4-dichloro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.06 | 105.07 ng/ul | 9628100 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 2 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 3 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 97 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

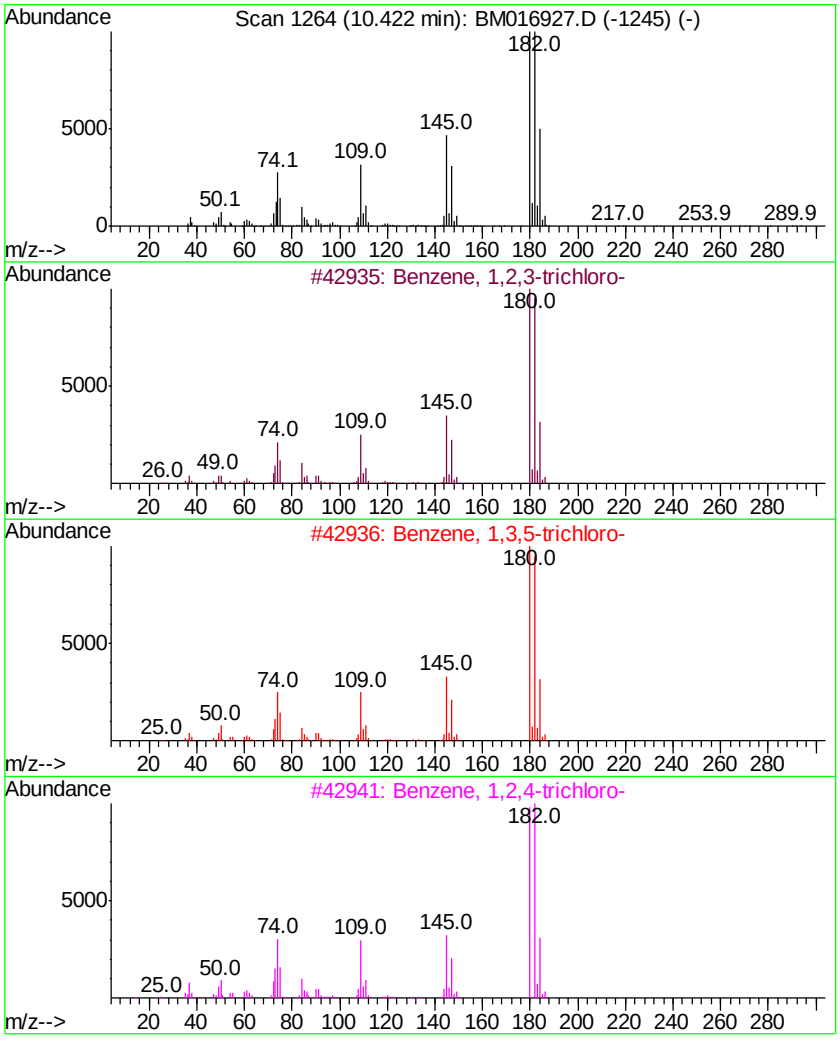
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION

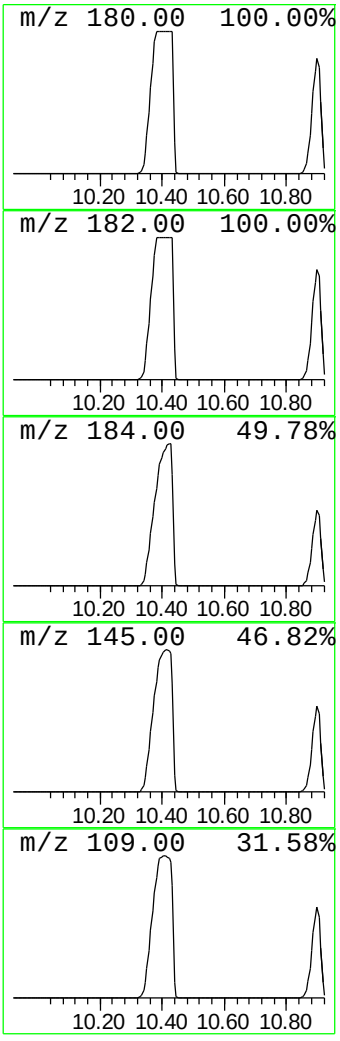
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1,2,3-trichloro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.42 | 1540.09 ng/ul | 229012000 | Naphthalene-d8 | 10.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 97 |
| 2 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |
| 3 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 94 |
| 4 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 94 |
| 5 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 94 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

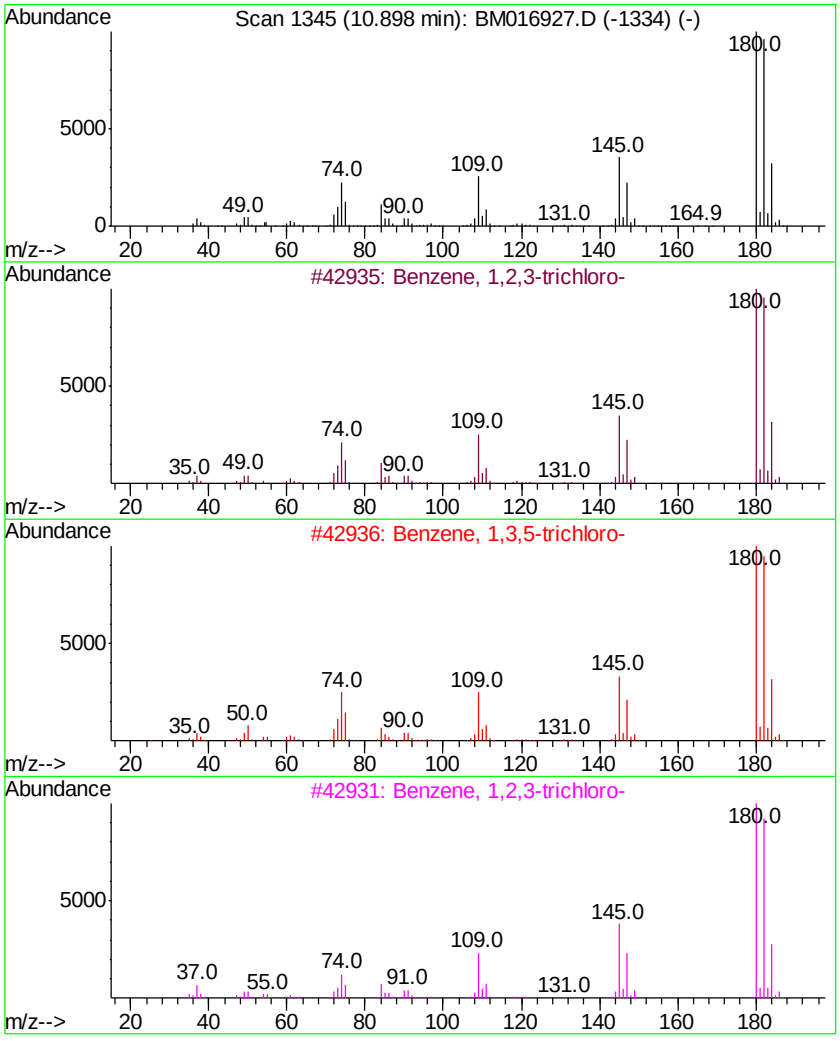
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

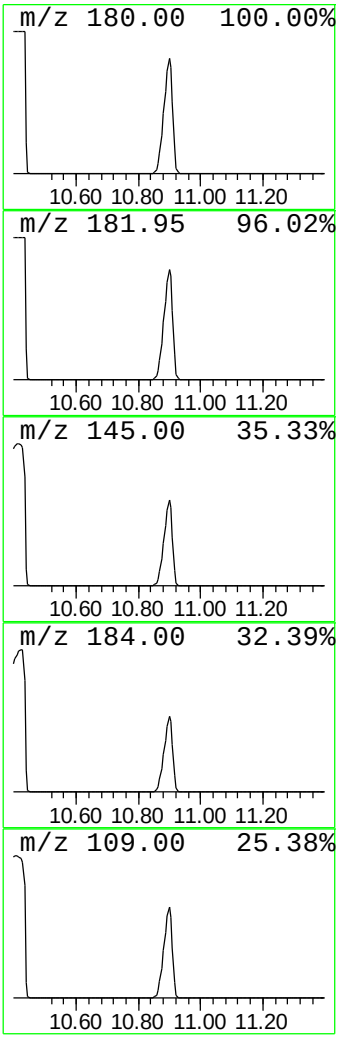
**********

Peak Number 4 Benzene, 1,3,5-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.90 | 438.56 ng/ul | 65213900 | Naphthalene-d8 | 10.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 2 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98 |
| 3 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 4 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 97 |
| 5 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 97 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

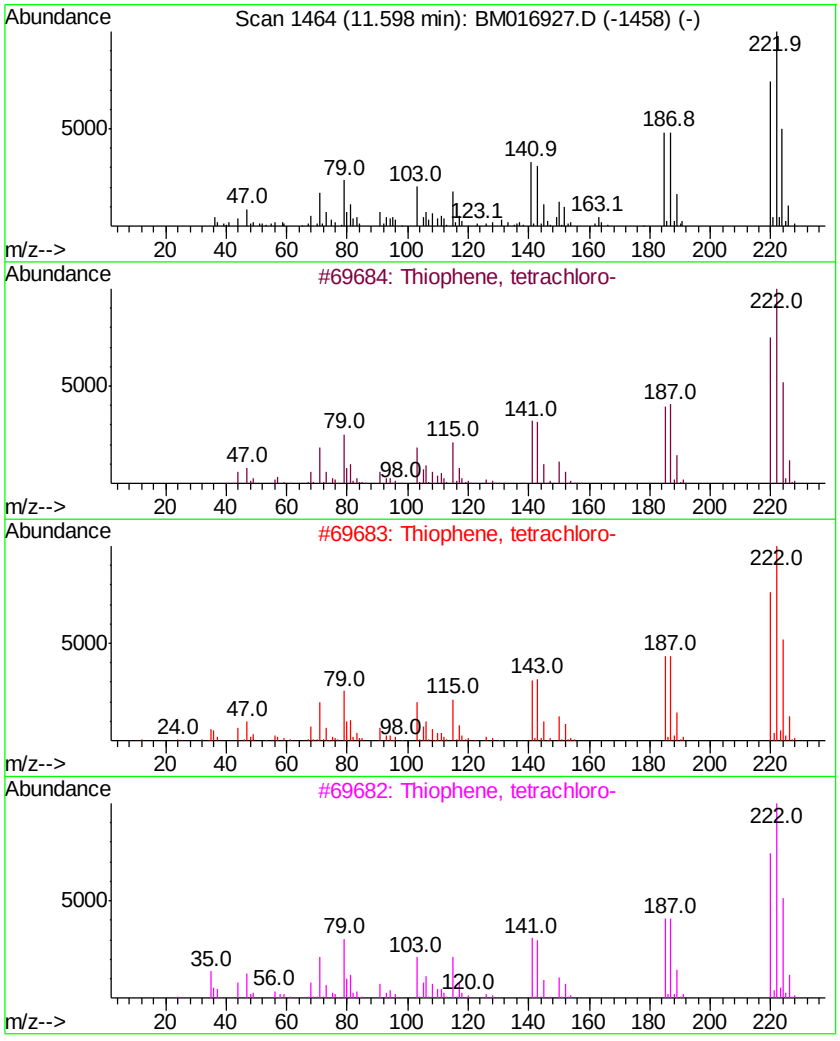
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

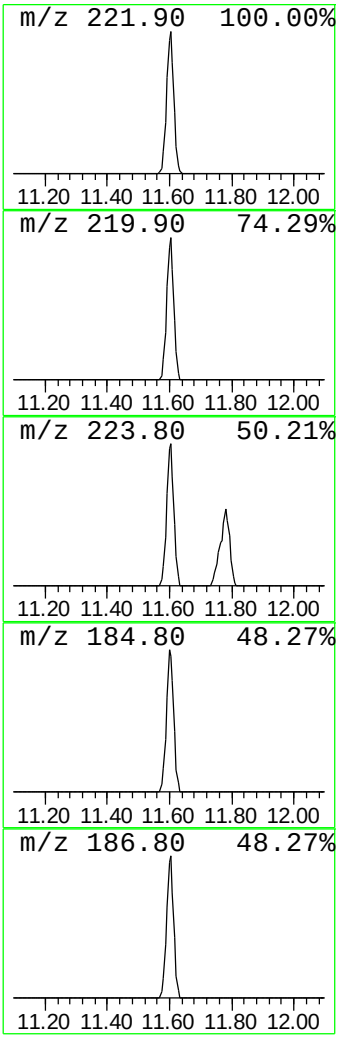
**********

Peak Number 5 Thiophene, tetrachloro- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.60 | 3.23 ng/ul | 480926 | Naphthalene-d8 | 10.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene, tetrachloro- | 220 | C4Cl4S | 006012-97-1 | 99 |
| 2 | Thiophene, tetrachloro- | 220 | C4Cl4S | 006012-97-1 | 99 |
| 3 | Thiophene, tetrachloro- | 220 | C4Cl4S | 006012-97-1 | 95 |
| 4 | 1,1-Dibromodifluoroethylene | 220 | C2Br2F2 | 000430-85-3 | 52 |
| 5 | 1,1'-Biphenyl, 2,4-dichloro- | 222 | C12H8Cl2 | 033284-50-3 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

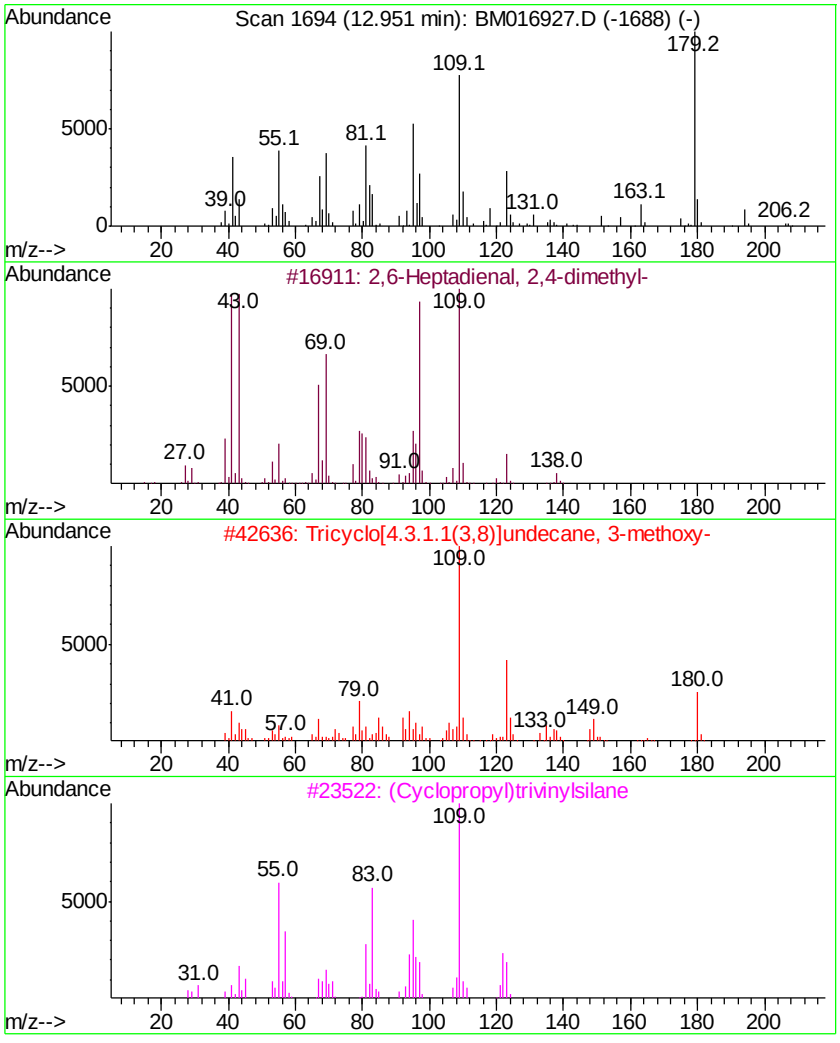
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

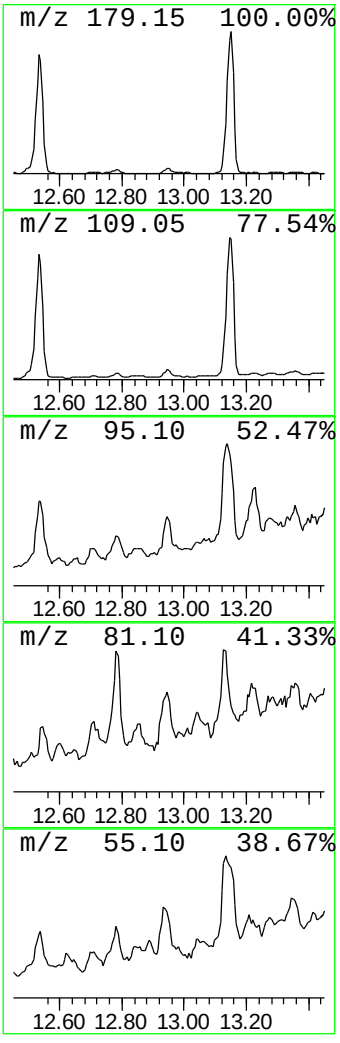
**********

Peak Number 6 unknown-01 Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 2.08 ng/ul | 404209 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 32 |
| 2 | Tricyclo[4.3.1.1(3,8)]undecane, ... | 180 | C12H20O | 021898-92-0 | 27 |
| 3 | (Cyclopropyl)trivinylsilane | 150 | C9H14Si | 1000109-93-8 | 27 |
| 4 | Cyclooctene,1-(diethylboryl)oxy- | 194 | C12H23BO | 057387-71-0 | 22 |
| 5 | Benzoic acid, 4-nitroso-, ethyl ... | 179 | C9H9NO3 | 007476-79-1 | 18 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

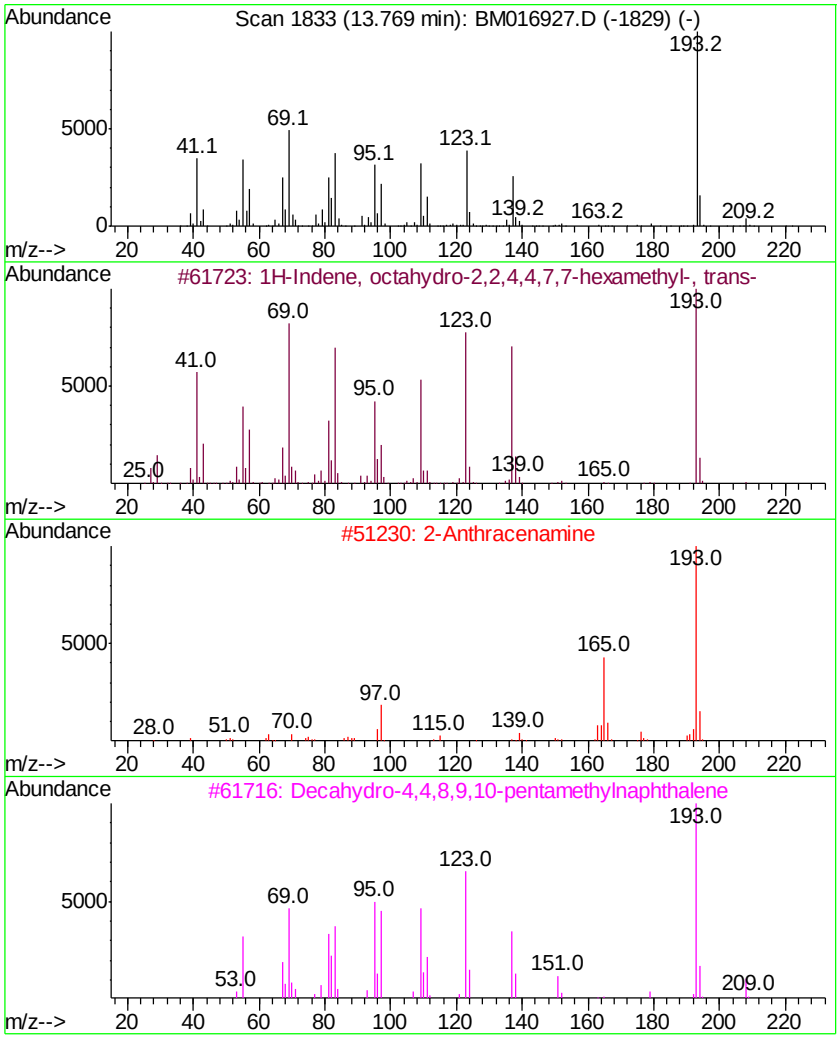
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

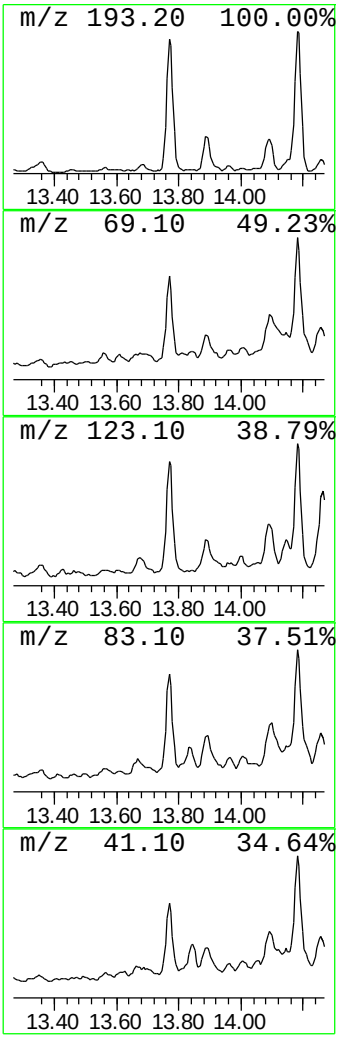
**********

Peak Number 7 1H-Indene, octahydro-2,2,4,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 10.61 ng/ul | 2065940 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, octahydro-2,2,4,4,7,7... | 208 | C15H28 | 054832-83-6 | 50 |
| 2 | 2-Anthracenamine | 193 | C14H11N | 000613-13-8 | 38 |
| 3 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 38 |
| 4 | Borinic acid, diethyl-, 3,3,5-tr... | 208 | C13H25BO | 057387-76-5 | 37 |
| 5 | 9-Phenanthrenamine | 193 | C14H11N | 000947-73-9 | 27 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

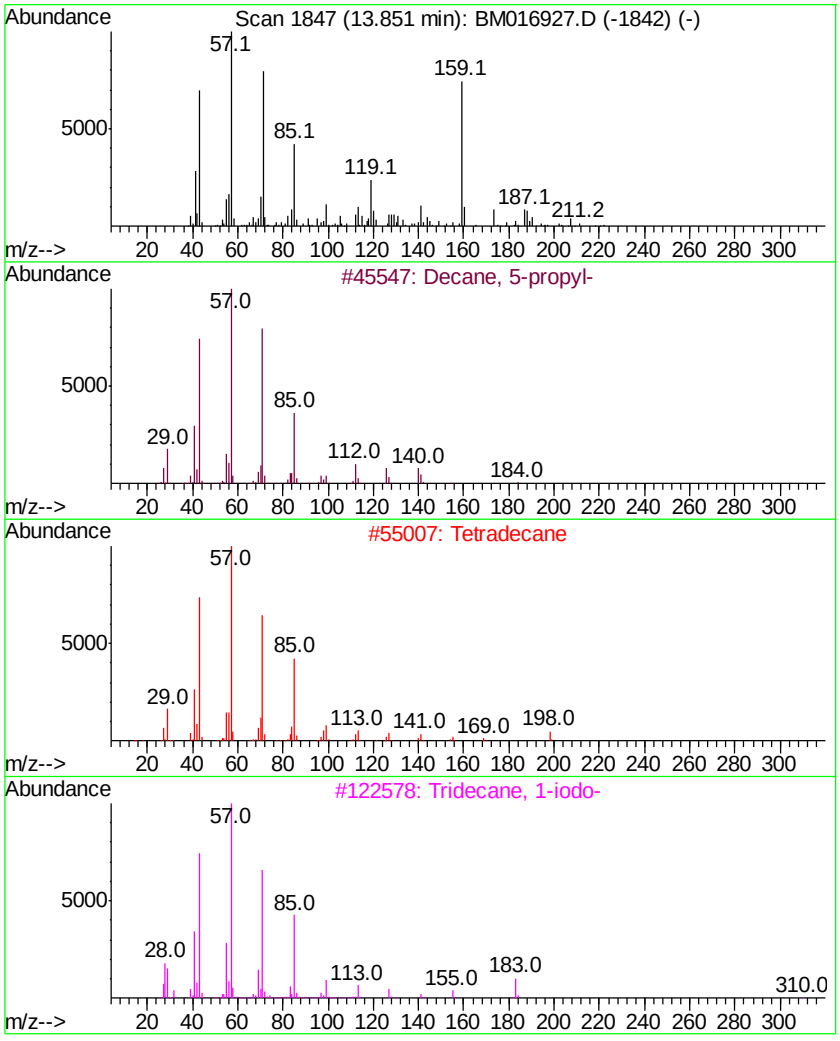
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

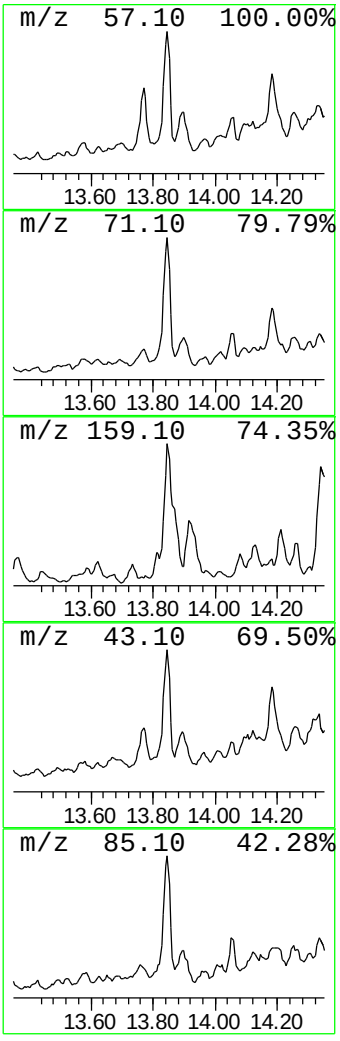
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.85 | 5.13 ng/ul | 997808 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 70 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 58 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 58 |
| 5 | Hexadecane, 7,9-dimethyl- | 254 | C18H38 | 021164-95-4 | 58 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

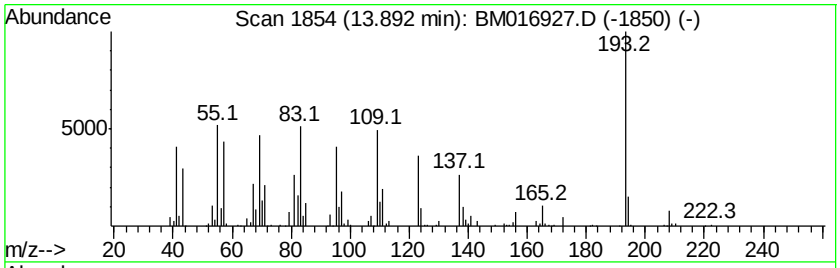
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

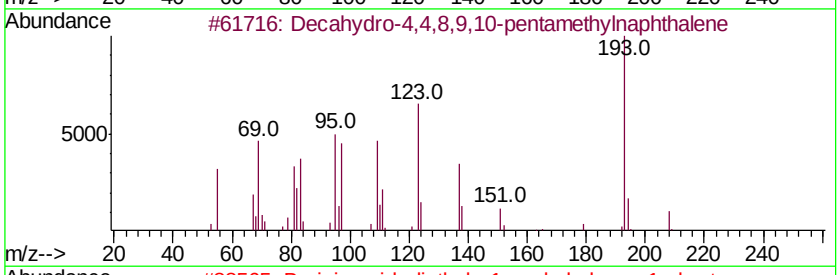
**********

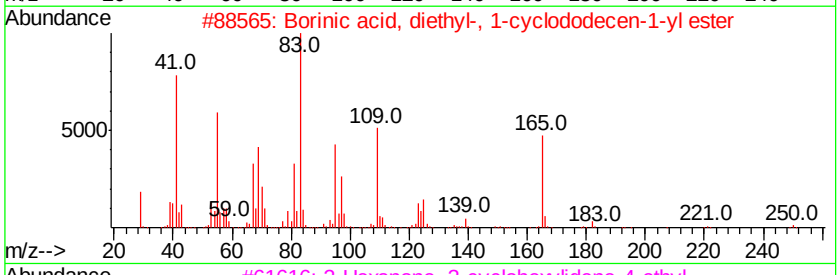
Peak Number 9 Decahydro-4,4,8,9,10-pentam... Concentration Rank 27

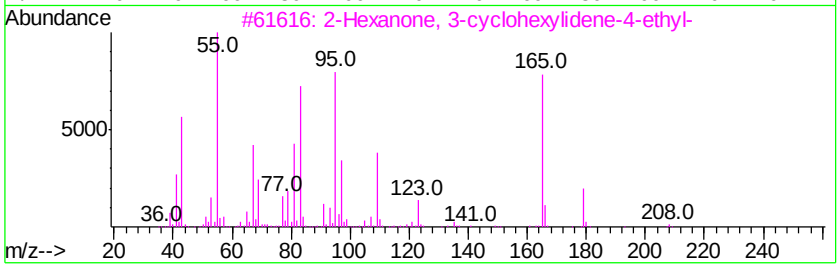
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 5.54 ng/ul | 1077640 | Acenaphthene-d10 | 14.36 |

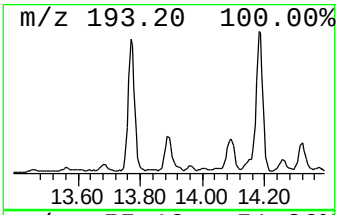
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 64 |
| 2 | Borinic acid, diethyl-, 1-cyclod... | 250 | C16H31BO | 061142-73-2 | 27 |
| 3 | 2-Hexanone, 3-cyclohexylidene-4-... | 208 | C14H24O | 1000150-19-2 | 27 |
| 4 | 2-Phenylindolizine | 193 | C14H11N | 025379-20-8 | 27 |
| 5 | 2-Phenylindolizine | 193 | C14H11N | 025379-20-8 | 27 |

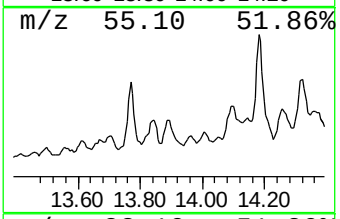


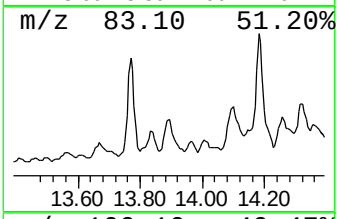



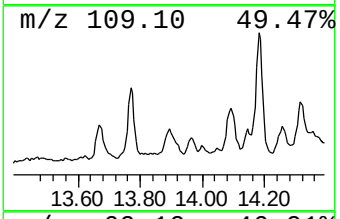



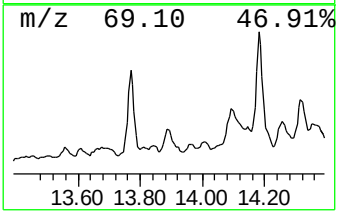



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

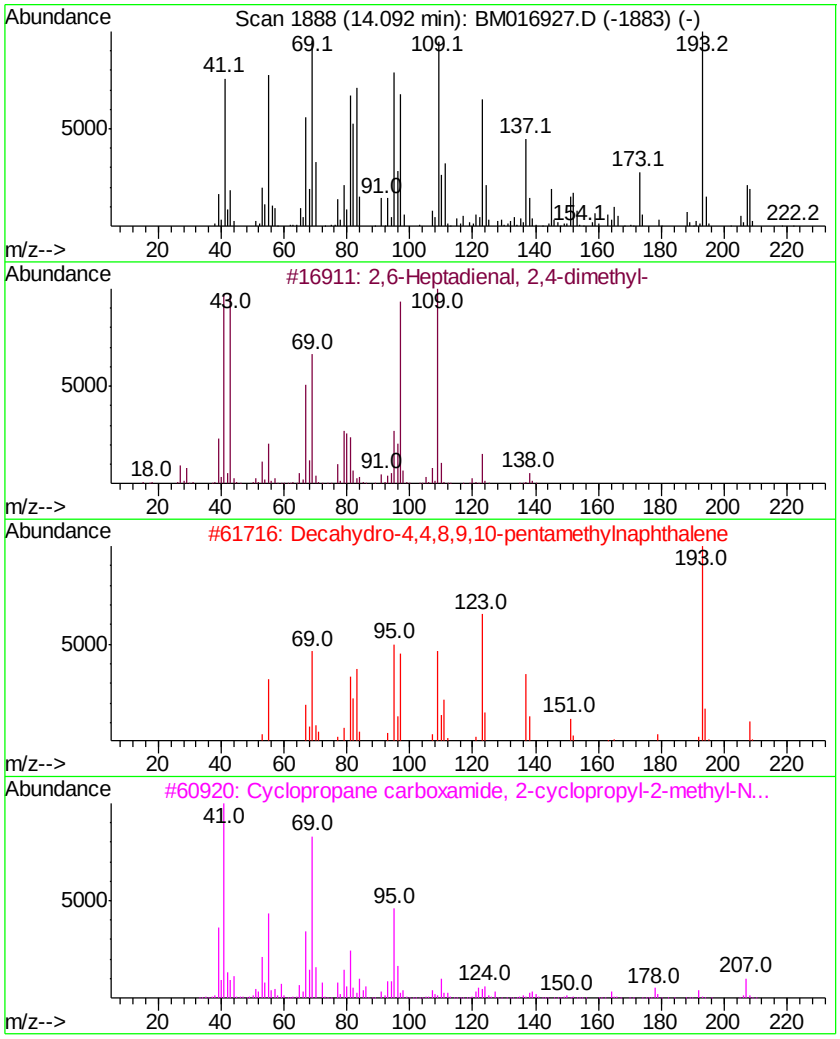
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

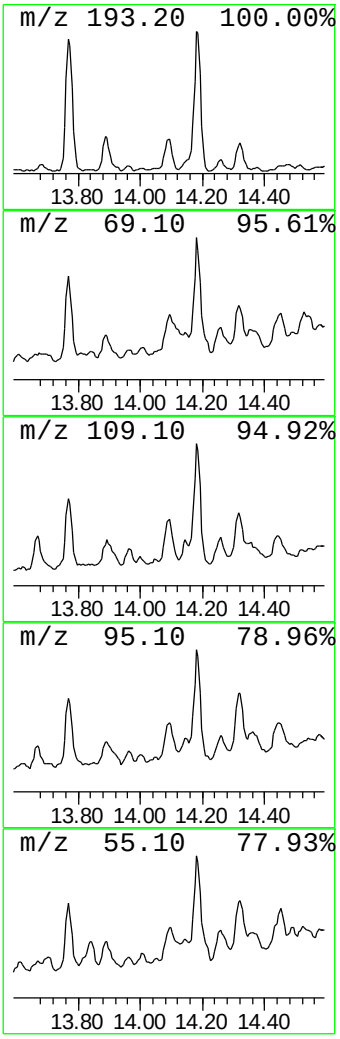
**********

Peak Number 10 unknown-02 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.09 | 8.48 ng/ul | 1650800 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 46 |
| 2 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 41 |
| 3 | Cyclopropane carboxamide, 2-cycl... | 207 | C13H21NO | 331416-19-4 | 30 |
| 4 | 2-Anthracenamine | 193 | C14H11N | 000613-13-8 | 25 |
| 5 | Cyclohexane, 1,3-dimethyl-2-meth... | 124 | C9H16 | 020348-74-7 | 25 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

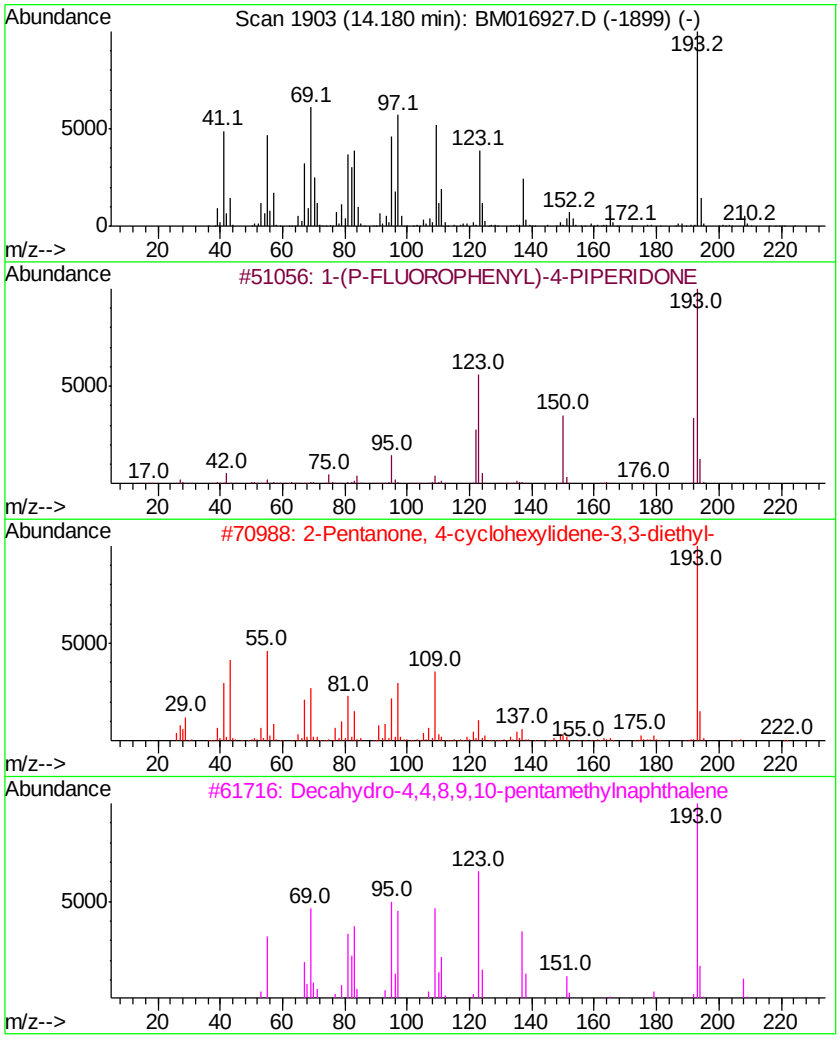
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

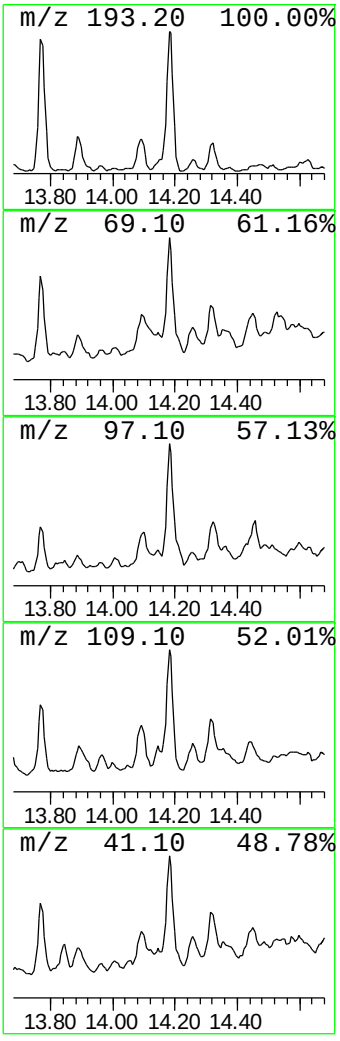
**********

Peak Number 11 unknown-03 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.18 | 19.12 ng/ul | 3722020 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-(P-FLUOROPHENYL)-4-PIPERIDONE | 193 | C11H12FNO | 1000238-56-7 | 43 |
| 2 | 2-Pentanone, 4-cyclohexylidene-3... | 222 | C15H26O | 313253-65-5 | 40 |
| 3 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 38 |
| 4 | 2-Phenylindolizine | 193 | C14H11N | 025379-20-8 | 14 |
| 5 | 2-Anthracenamine | 193 | C14H11N | 000613-13-8 | 14 |



Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

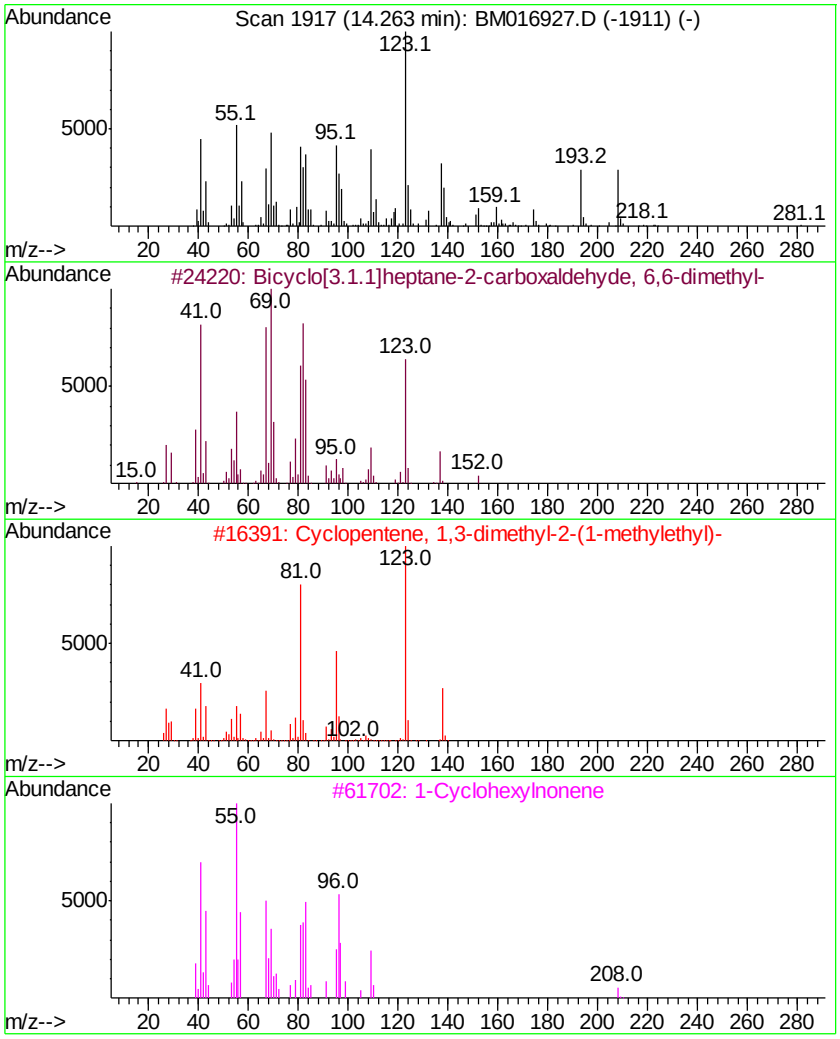
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

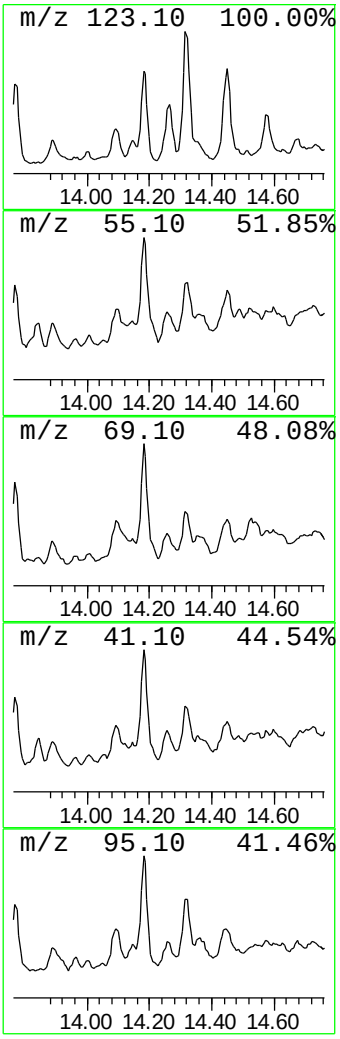
**********

Peak Number 12 unknown-04 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.26 | 6.30 ng/ul | 1226270 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]heptane-2-carboxal... | 152 | C10H16O | 004764-14-1 | 38 |
| 2 | Cyclopentene, 1,3-dimethyl-2-(1-... | 138 | C10H18 | 061142-32-3 | 38 |
| 3 | 1-Cyclohexylnonene | 208 | C15H28 | 114614-84-5 | 38 |
| 4 | 1,3-Benzenediamine, 4-methoxy- | 138 | C7H10N2O | 000615-05-4 | 35 |
| 5 | 2-(1-Methylcyclopropyl)thiophene | 138 | C8H10S | 1000100-02-7 | 30 |



# Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

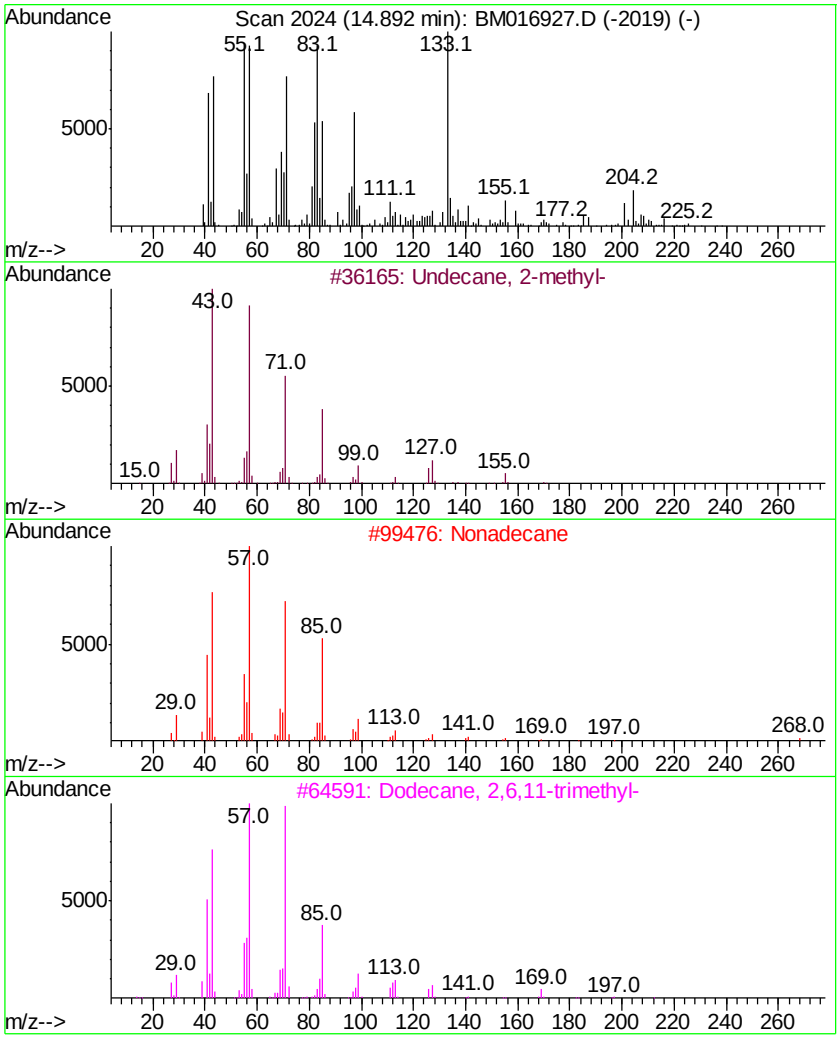
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

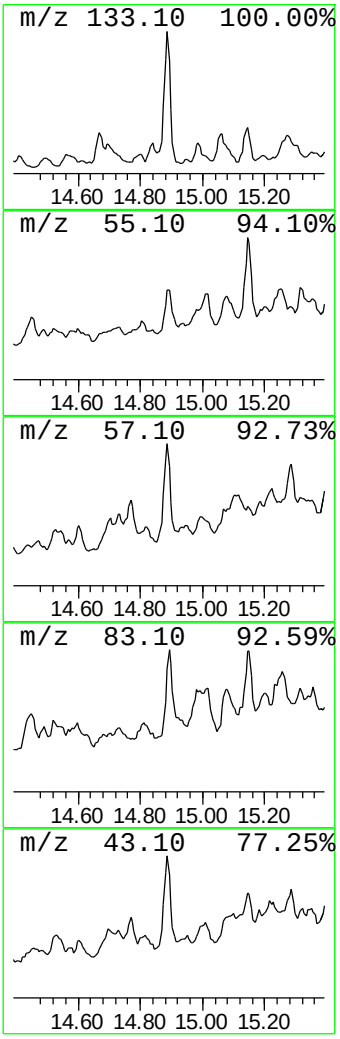
**********

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.89 | 9.93 ng/ul | 1932890 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 38 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 38 |
| 3 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 35 |
| 4 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 30 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 30 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

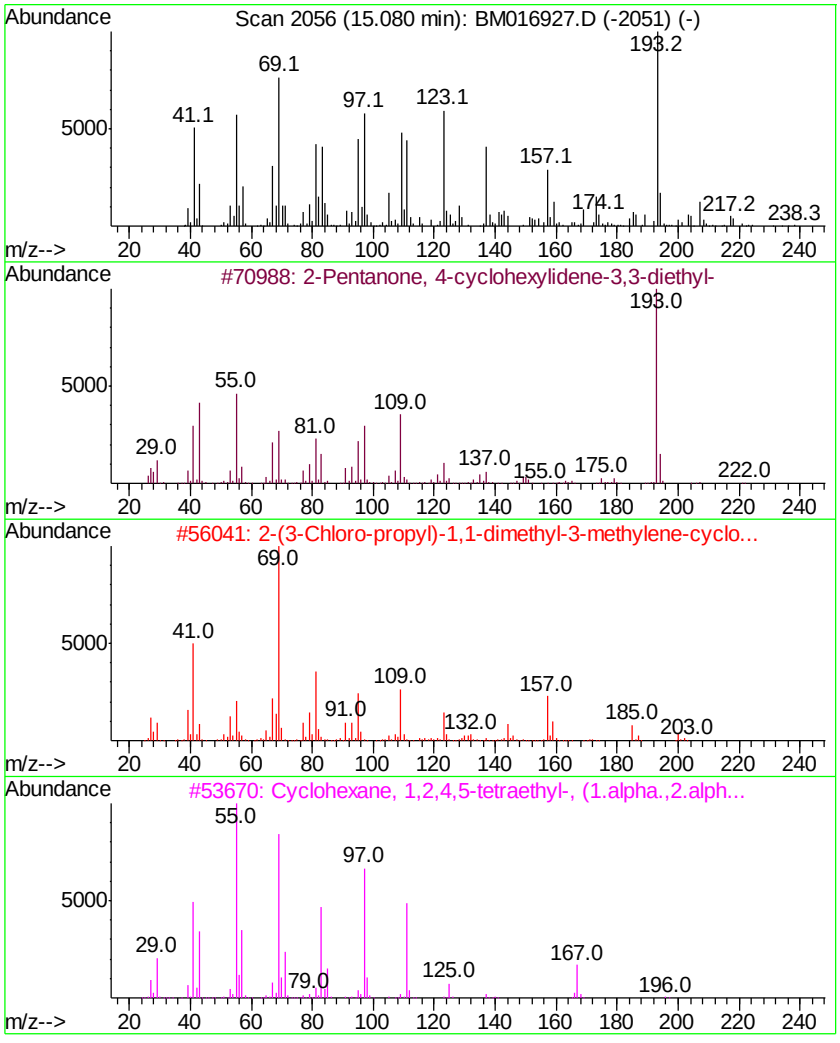
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

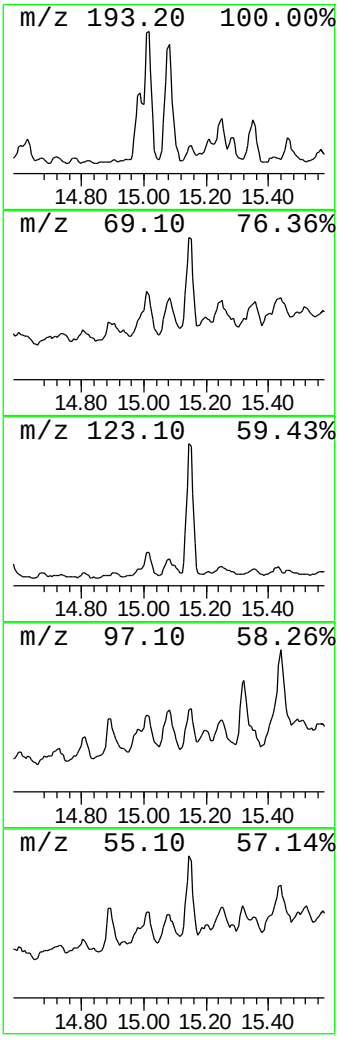
**********

Peak Number 15 unknown-05 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.08 | 10.39 ng/ul | 2021970 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-cyclohexylidene-3... | 222 | C15H26O | 313253-65-5 | 38 |
| 2 | 2-(3-Chloro-propyl)-1,1-dimethyl... | 200 | C12H21Cl | 1000191-45-6 | 25 |
| 3 | Cyclohexane, 1,2,4,5-tetraethyl-... | 196 | C14H28 | 061142-24-3 | 25 |
| 4 | p-Menthon-8-thiol | 186 | C10H18OS | 033281-91-3 | 22 |
| 5 | 1-(P-FLUOROPHENYL)-4-PIPERIDONE | 193 | C11H12FNO | 1000238-56-7 | 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

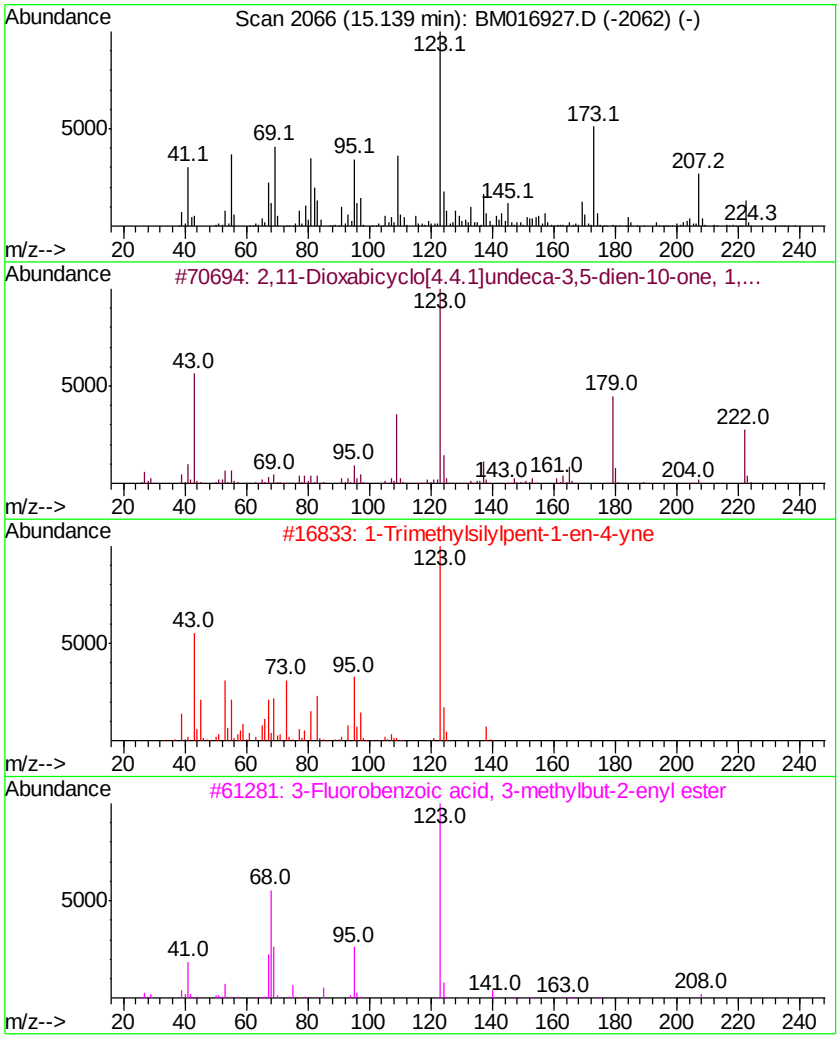
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION

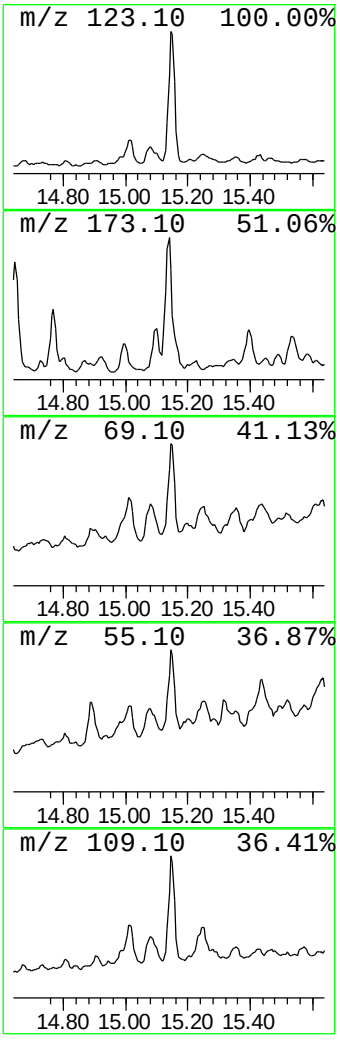
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.14 | 22.07 ng/ul | 4297610 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3 | 070412-52-1 | 50 |
| 2 | 1-Trimethylsilylpent-1-en-4-yne | 138 | C8H14Si | 079516-25-9 | 49 |
| 3 | 3-Fluorobenzoic acid, 3-methylbu... | 208 | C12H13FO2 | 154559-38-3 | 43 |
| 4 | 1-Butanone, 1-bicyclo[4.1.0]hept... | 166 | C11H18O | 054764-62-4 | 43 |
| 5 | 2,6-Naphthalenedione, octahydro-... | 208 | C13H20O2 | 057289-17-5 | 38 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

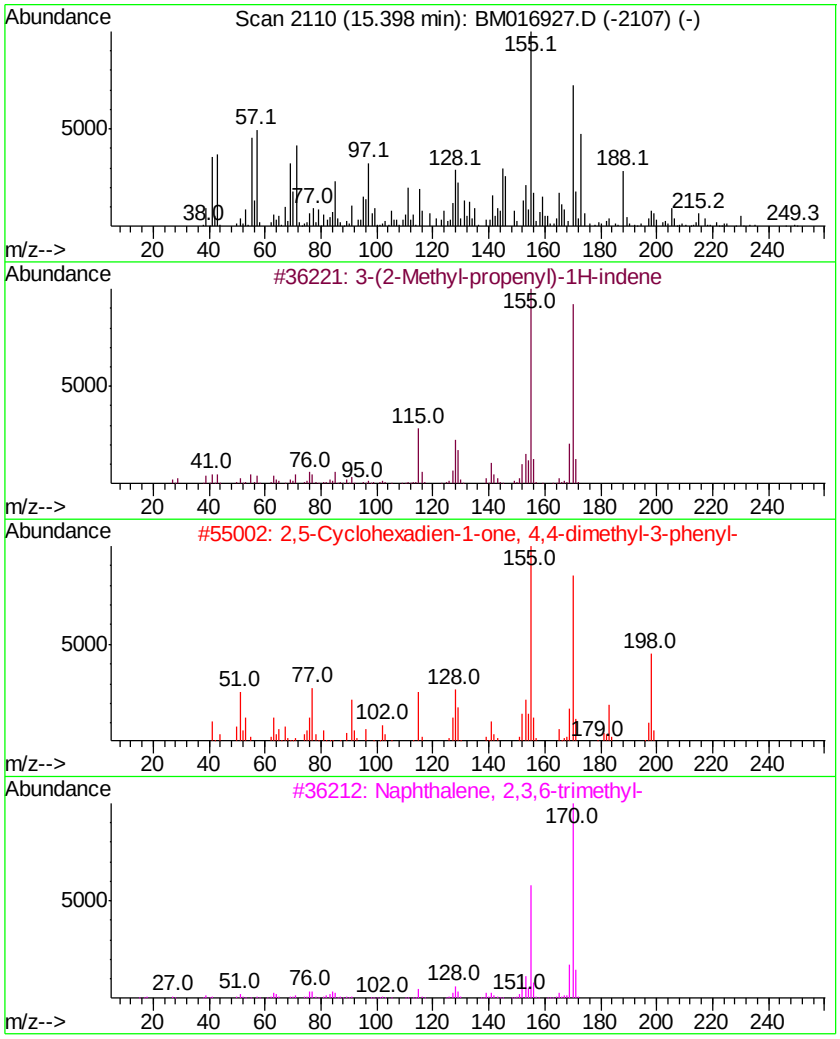
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

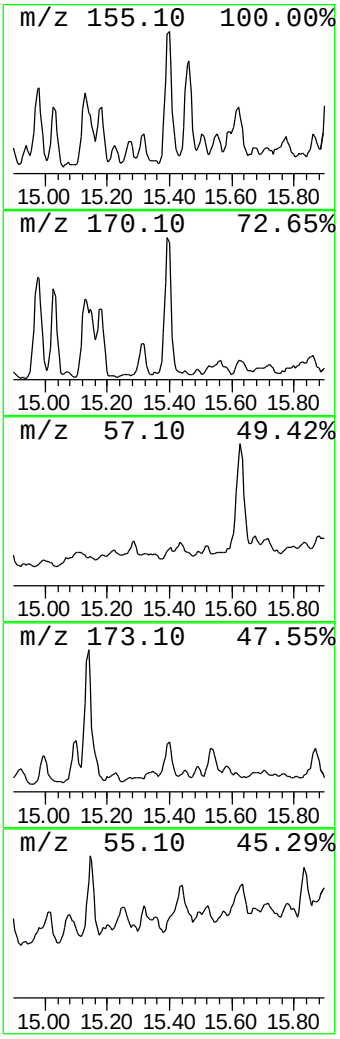
**********

Peak Number 17 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.40 | 5.83 ng/ul | 1135080 | Acenaphthene-d10 | 14.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 64 |
| 2 | 2,5-Cyclohexadien-1-one, 4,4-dim... | 198 | C14H14O | 055162-56-6 | 64 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 64 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 60 |
| 5 | 5-Methyl-1-phenylhexa-1,3,4-triene | 170 | C13H14 | 103240-79-5 | 55 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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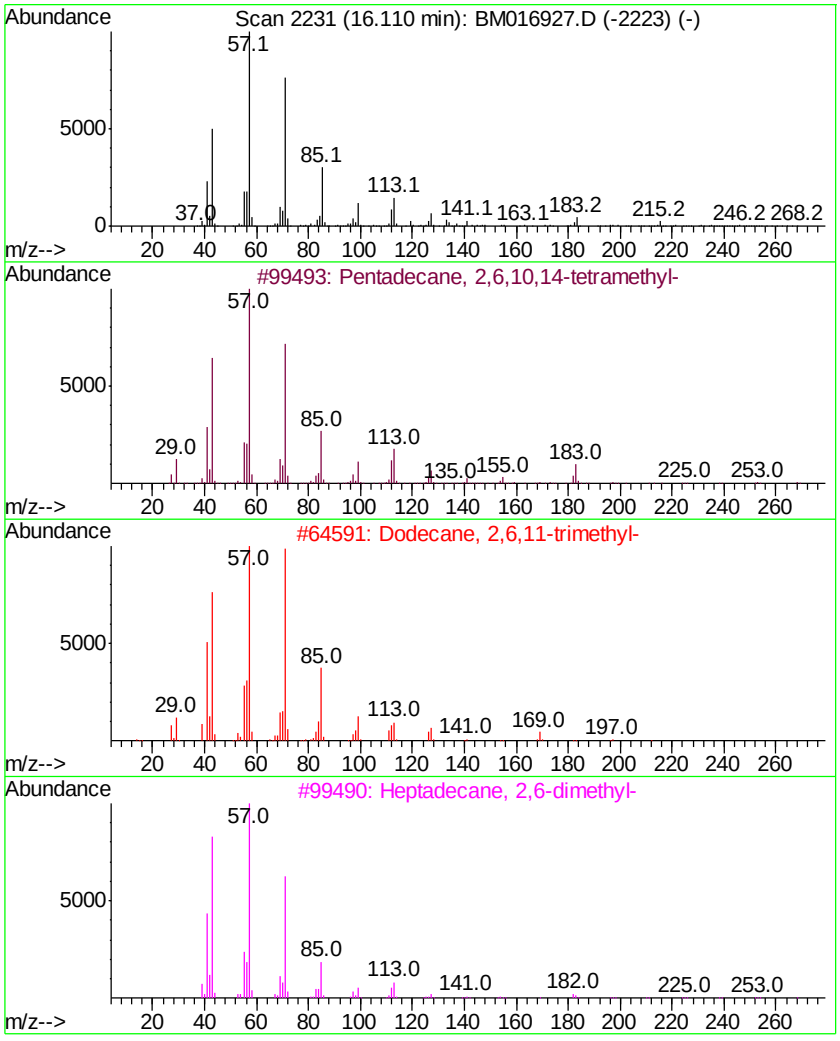
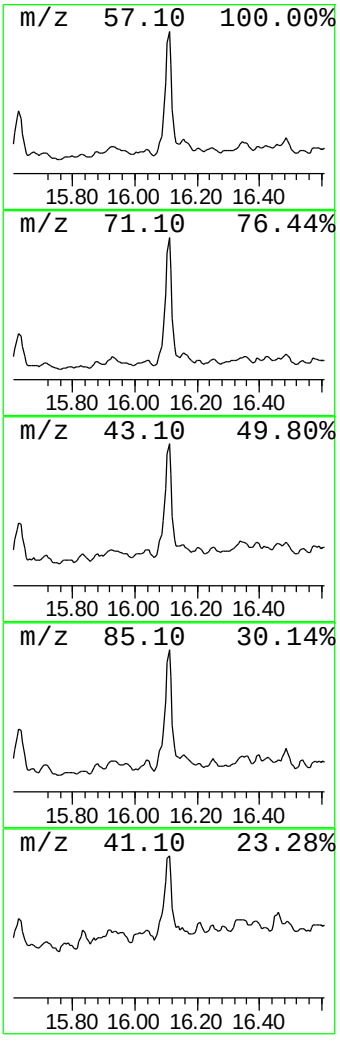
Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.11 | 35.89 ng/ul | 7159480 | 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 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 81 |
| 3 | Heptadecane, 2,6-dimethyl- | 268 | C19H40 | 054105-67-8 | 80 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 78 |
| 5 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 76 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

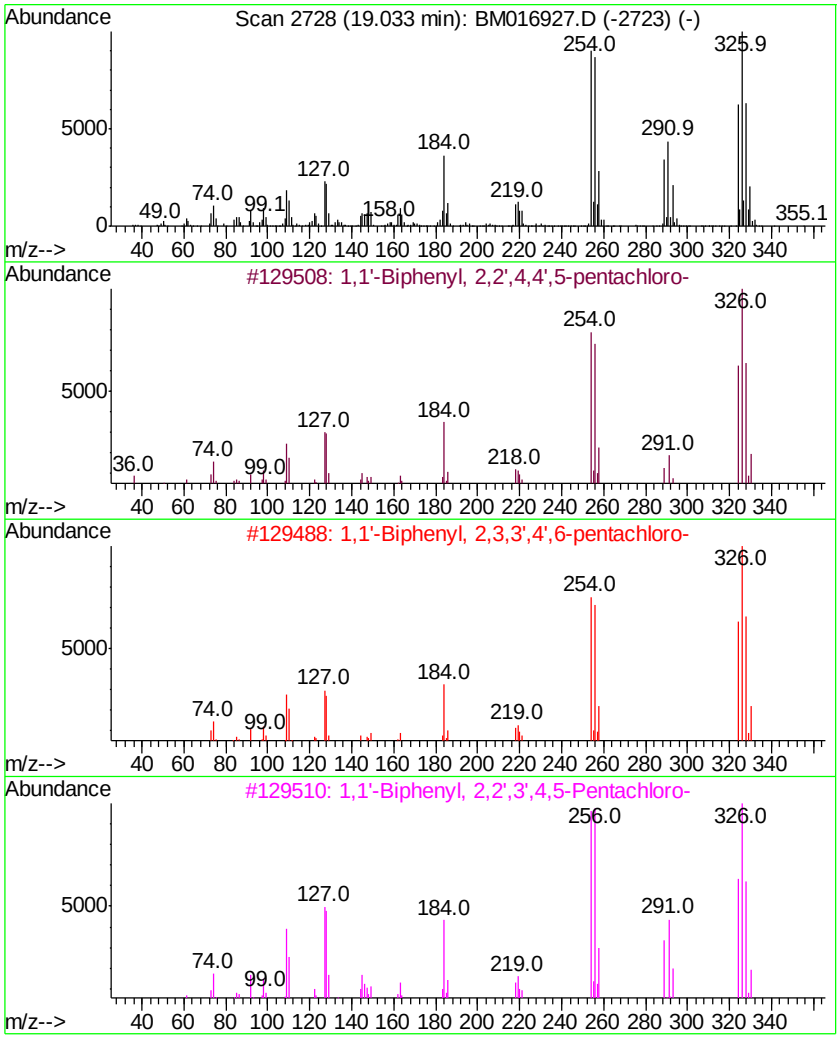
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

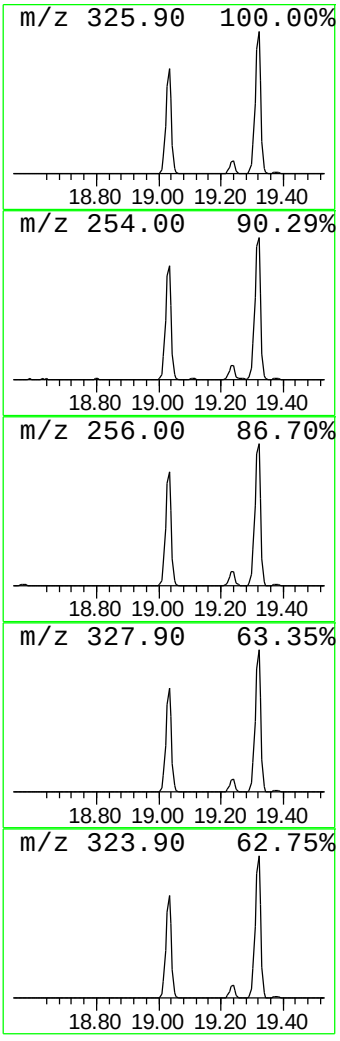
**********

Peak Number 19 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.03 | 125.86 ng/ul | 25110700 | Phenanthrene-d10 | 17.10 |

| 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',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3',4,5-Penta... | 324 | C12H5Cl5 | 041464-51-1 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,5'-penta... | 324 | C12H5Cl5 | 038380-02-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,5',6-Penta... | 324 | C12H5Cl5 | 060145-21-3 | 99 |



# Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

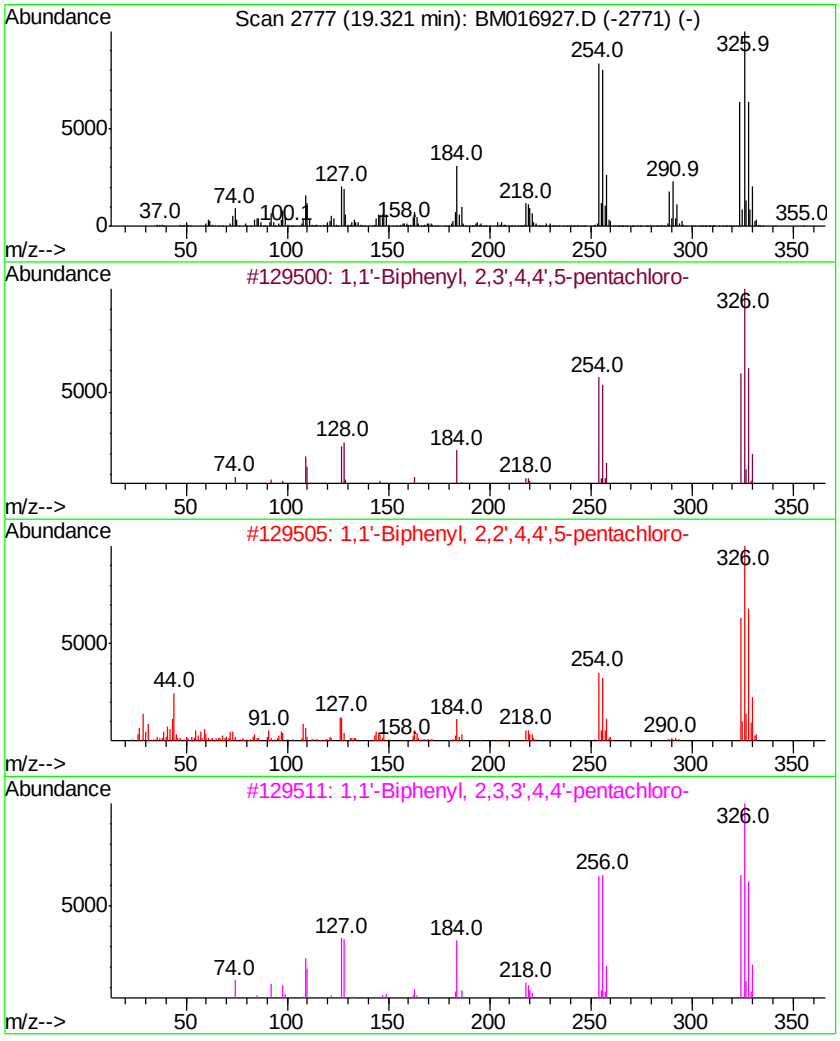
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

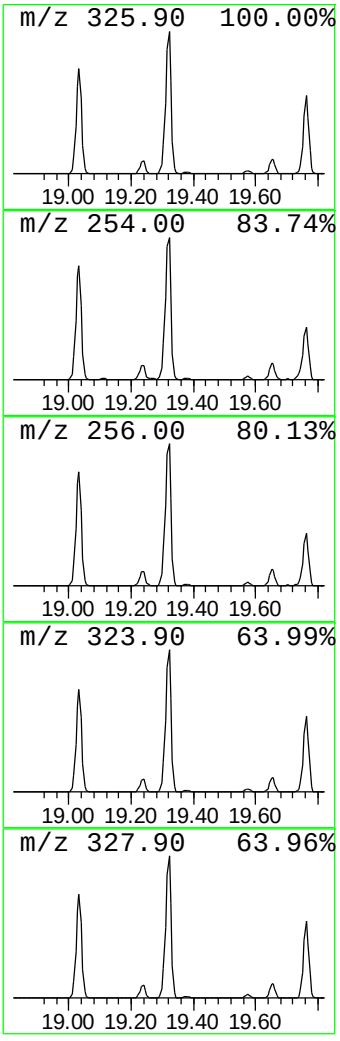
**********

Peak Number 20 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.32 | 7.71 ng/ul | 30360800 | Chrysene-d12 | 21.30 |

| 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 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,5',6-Penta... | 324 | C12H5Cl5 | 060145-21-3 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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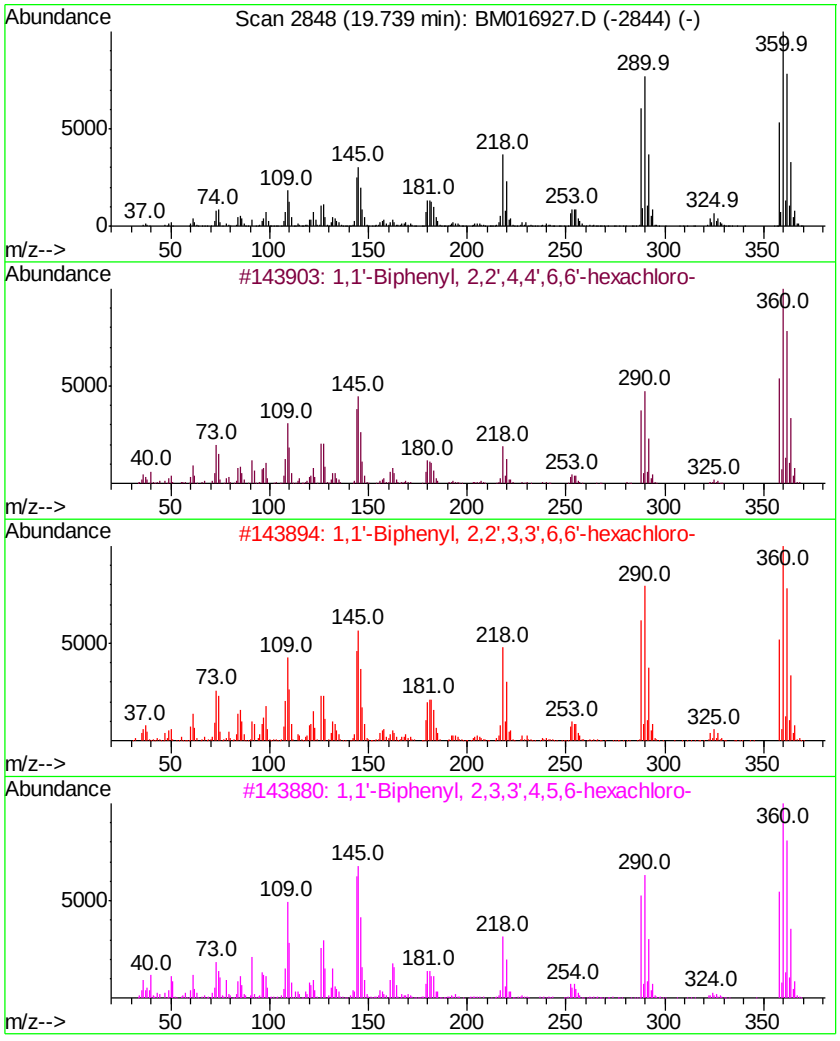
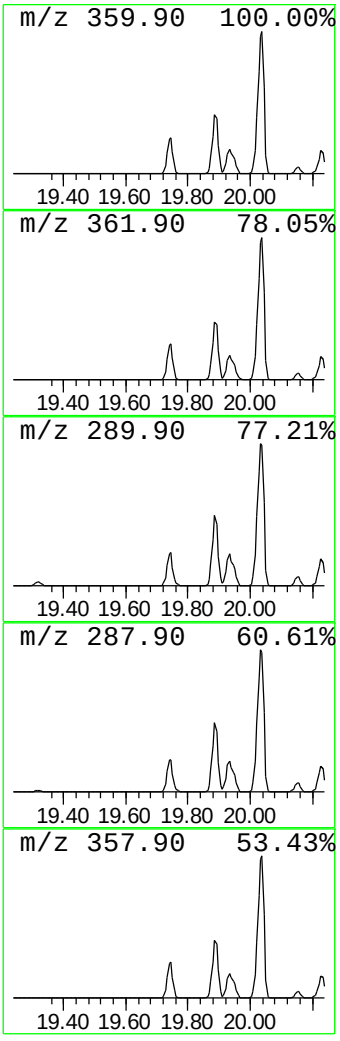
Peak Number 21 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.74 | 3.85 ng/ul | 15146700 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',6,6'-he... | 358 | C12H4Cl6 | 038411-22-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 97 |
| 4 | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 97 |
| 5 | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 96 |



# Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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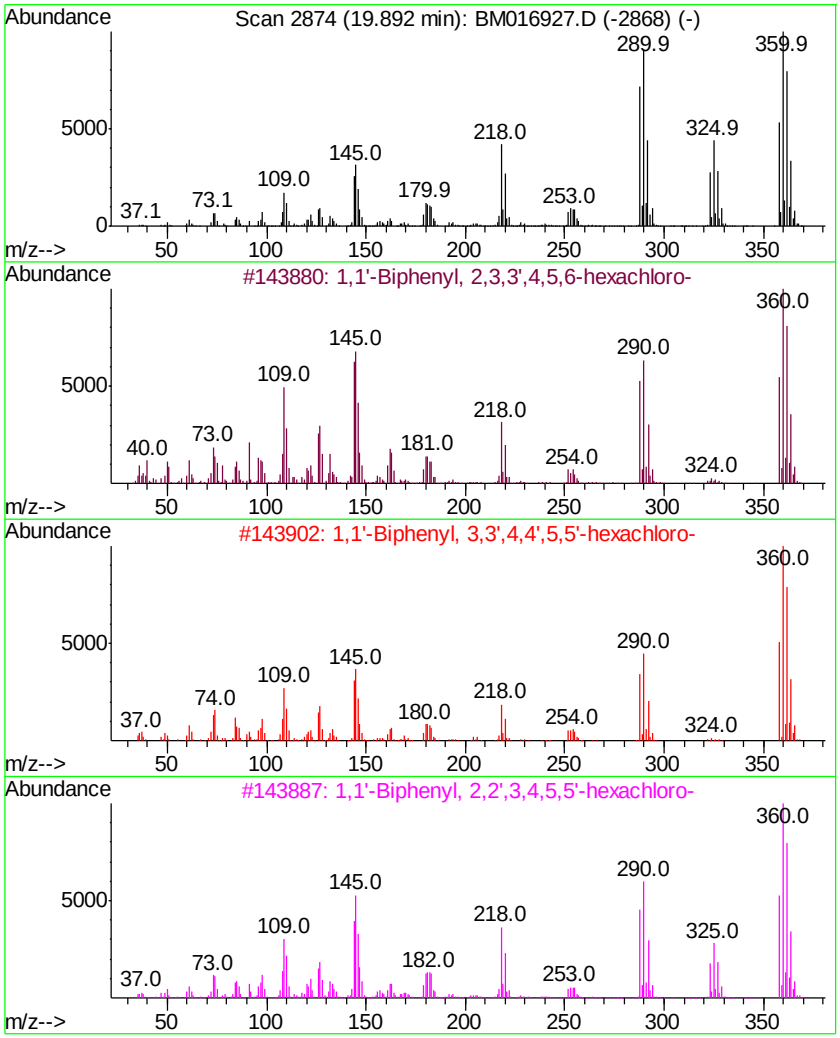
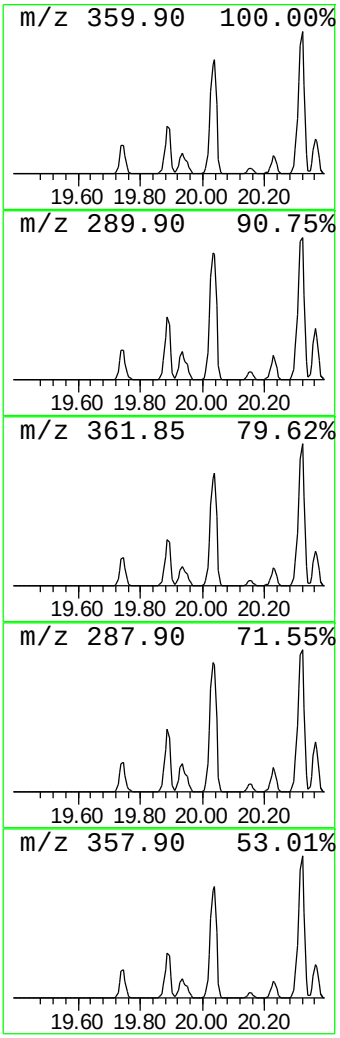
Peak Number 22 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.89 | 7.37 ng/ul | 29042500 | Chrysene-d12 | 21.30 |

| 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, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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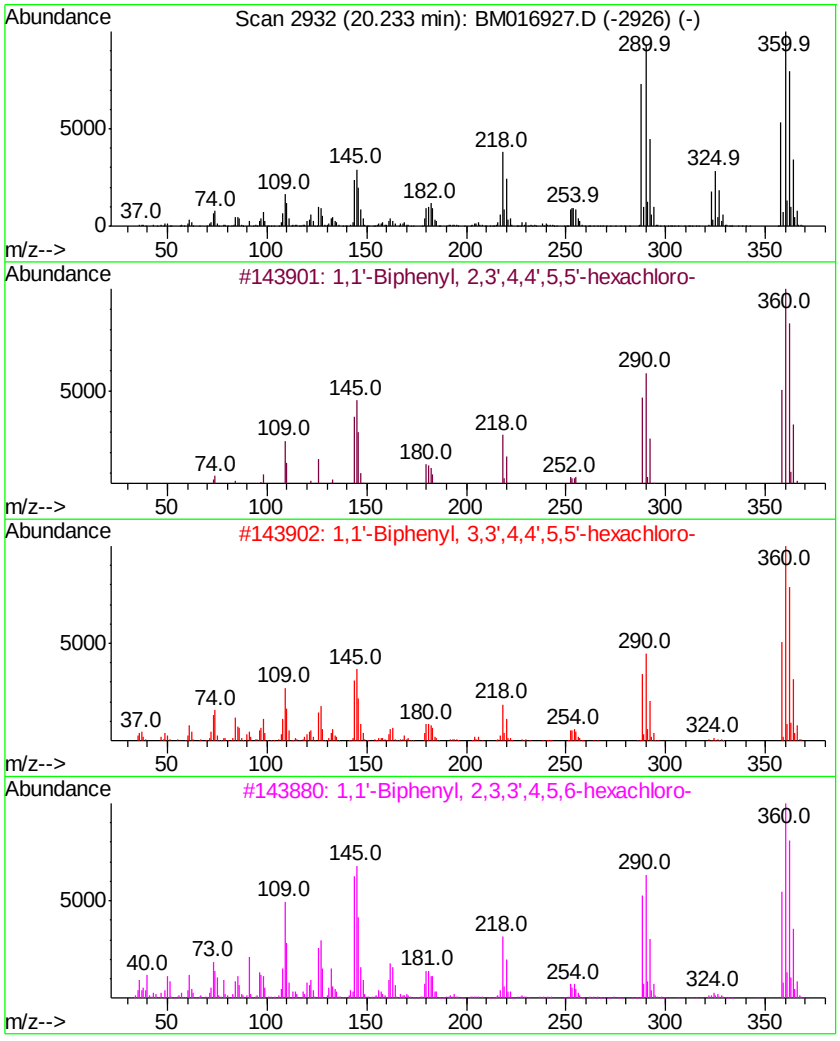
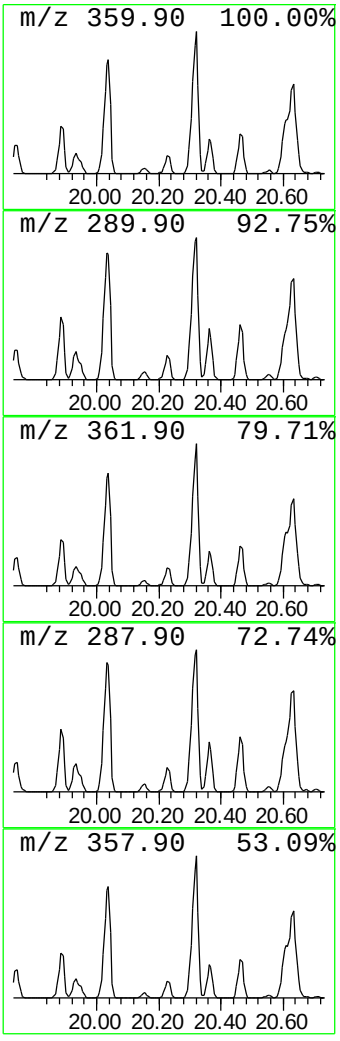
Peak Number 25 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.23 | 2.91 ng/ul | 11443800 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 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',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99 |



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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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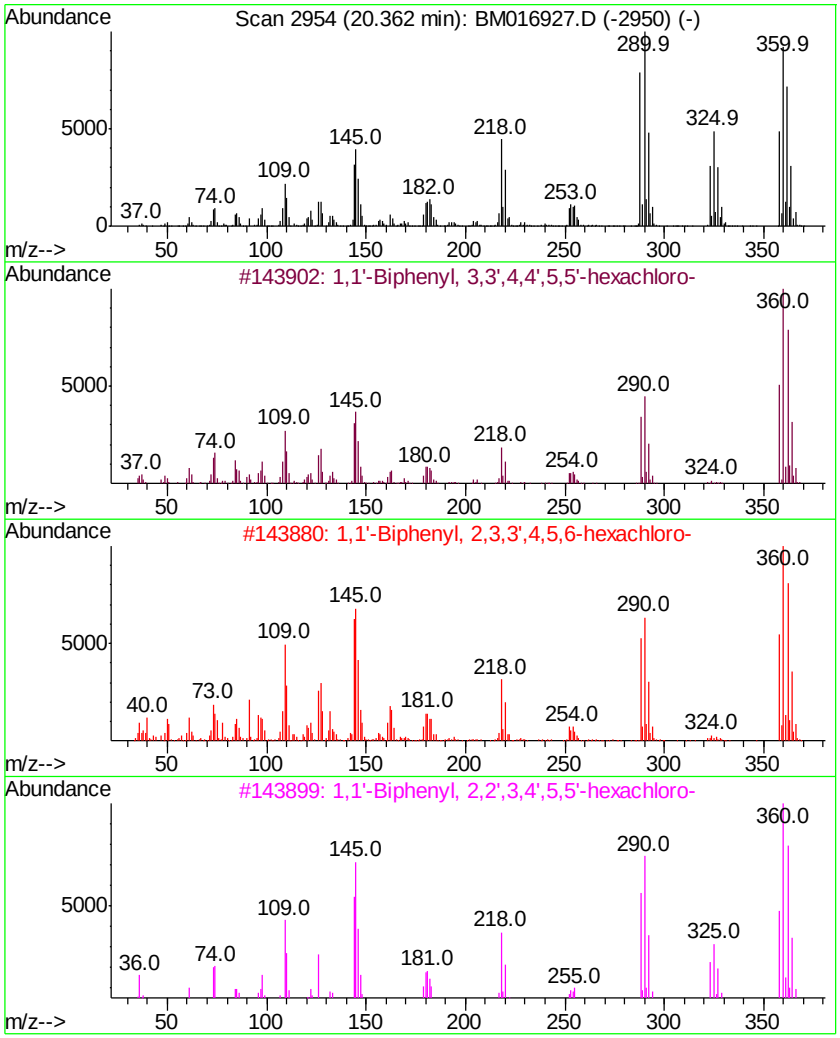
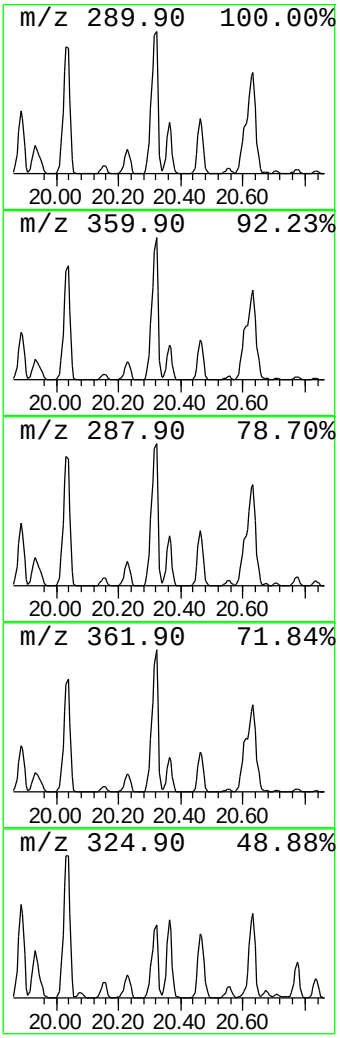
Peak Number 27 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.36 | 5.92 ng/ul | 23334500 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4',5',6-He... | 358 | C12H4Cl6 | 060145-22-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4',5',6-he... | 358 | C12H4Cl6 | 038380-04-0 | 99 |



# Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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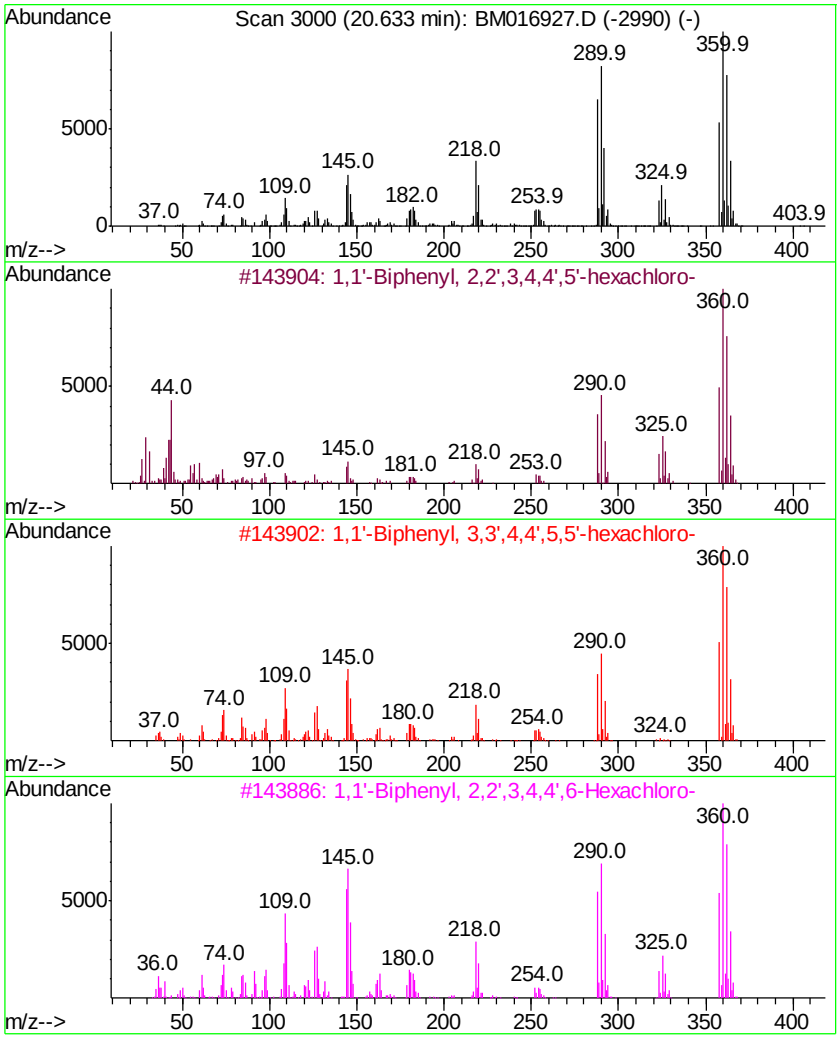
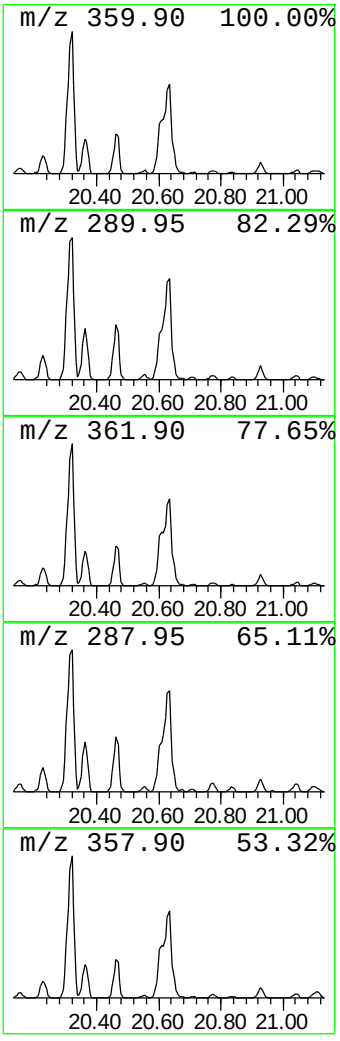
Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.63 | 19.79 ng/ul | 77931400 | Chrysene-d12 | 21.30 |

| 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 | 99 |
| 2 | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358 | C12H4Cl6 | 056030-56-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 99 |



# Library Search Compound Report

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Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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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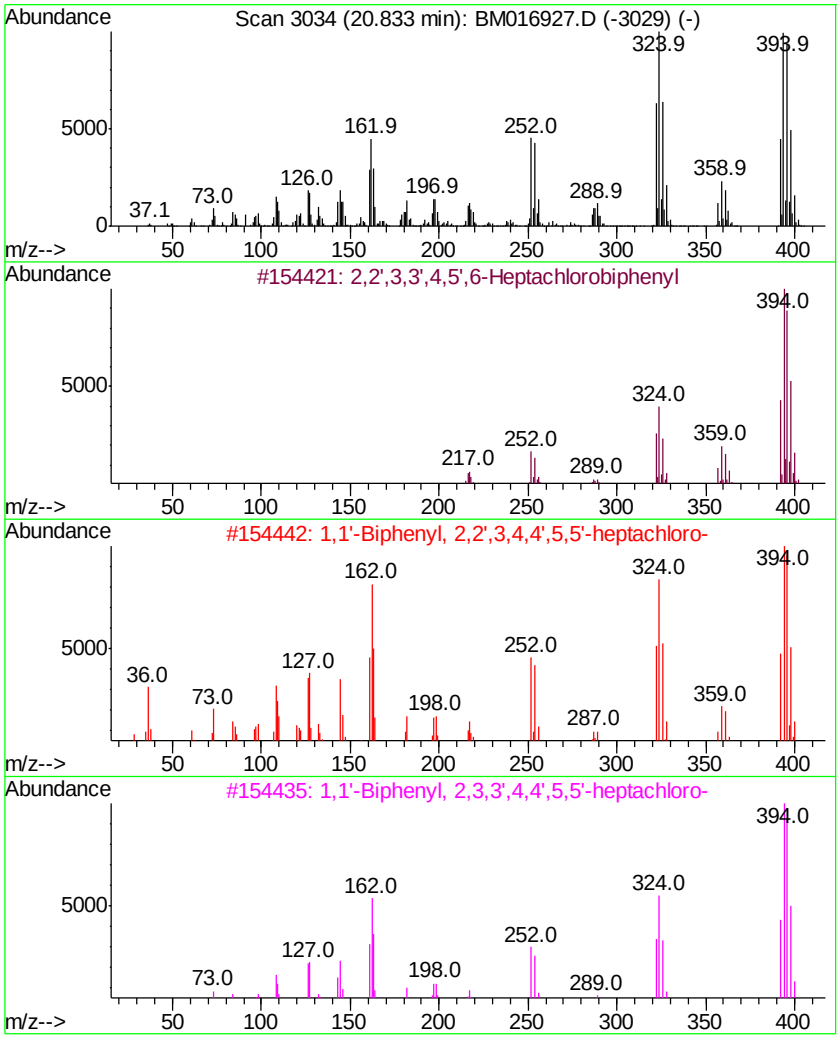
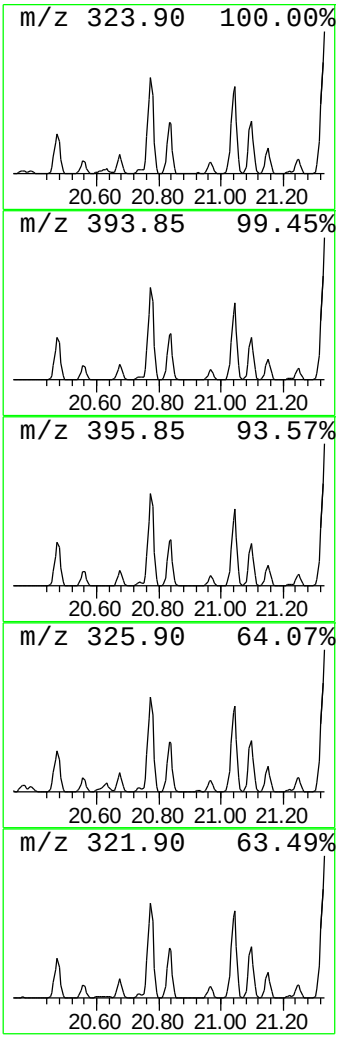
Peak Number 31 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.83 | 5.35 ng/ul | 21077800 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 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, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

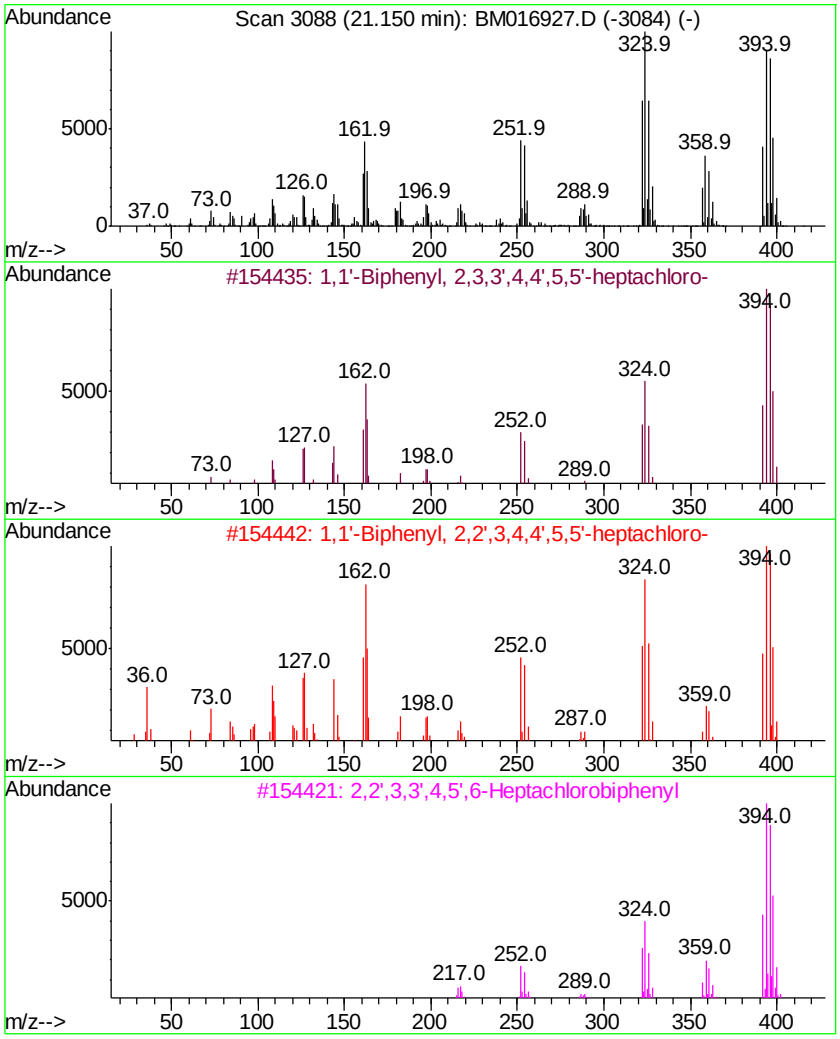
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION

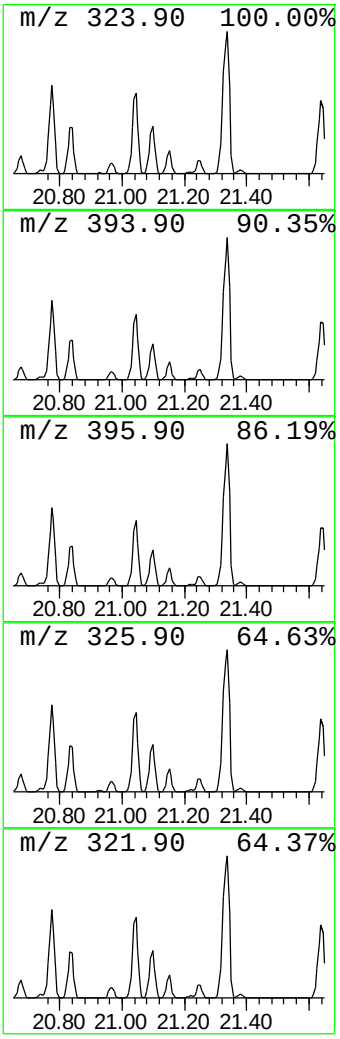
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.15 | 2.71 ng/ul | 10673300 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 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',3,3',5,5',6-... | 392 | C12H3Cl7 | 052663-67-9 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

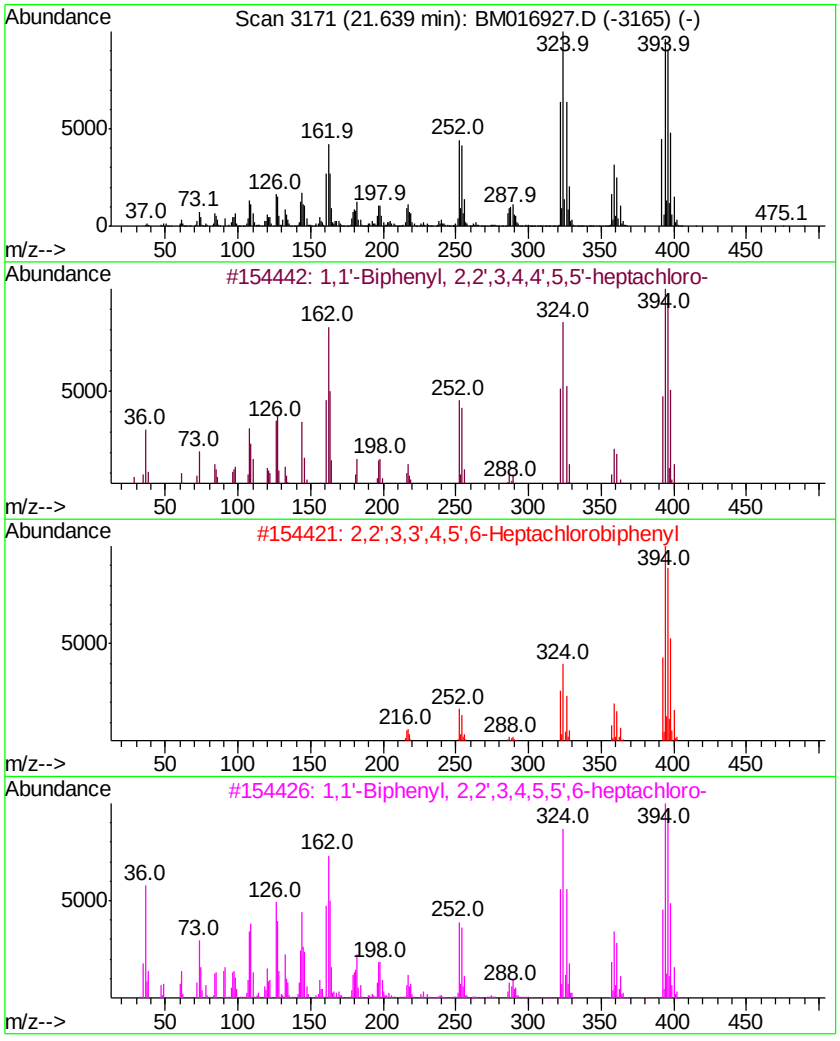
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

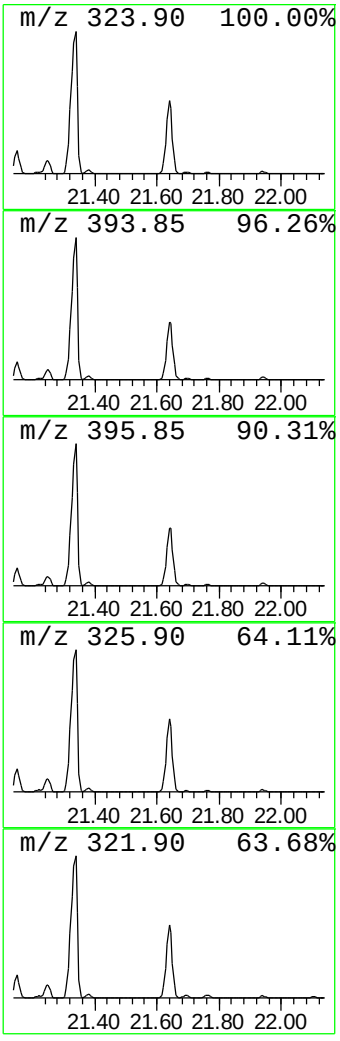
**********

Peak Number 35 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.64 | 10.05 ng/ul | 39598700 | Chrysene-d12 | 21.30 |

| 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 | 99 |
| 2 | 2,2',3,3',4,5',6-Heptachlorobiph... | 392 | C12H3Cl7 | 040186-70-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,5,5',6-h... | 392 | C12H3Cl7 | 052712-05-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,5,5',6-h... | 392 | C12H3Cl7 | 074472-51-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

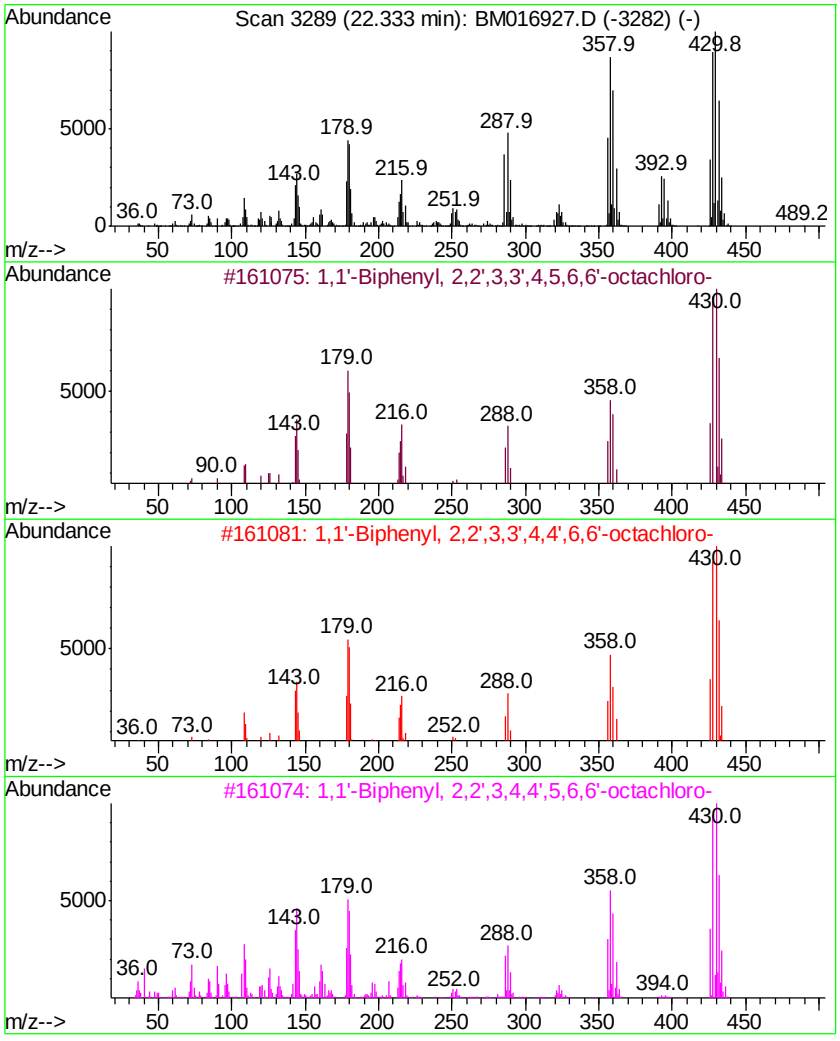
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

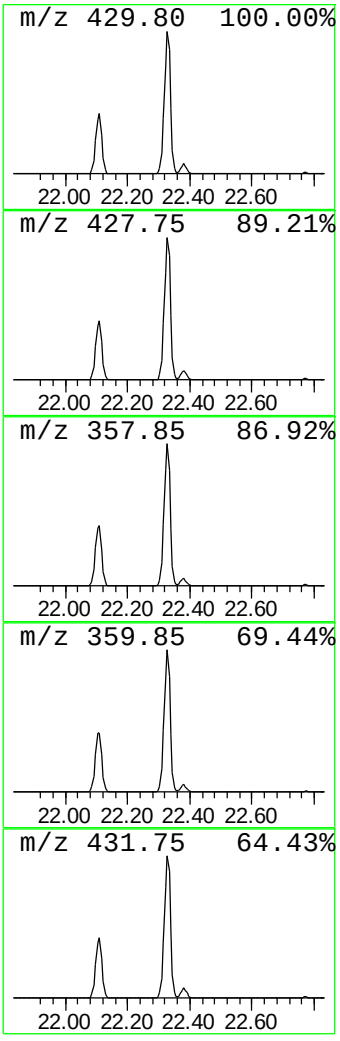
**********

Peak Number 38 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.33 | 3.91 ng/ul | 15418400 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,5,6,6... | 426 | C12H2Cl8 | 052663-73-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,4',6,... | 426 | C12H2Cl8 | 033091-17-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',5,6,6... | 426 | C12H2Cl8 | 074472-52-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 426 | C12H2Cl8 | 052663-78-2 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 426 | C12H2Cl8 | 035694-08-7 | 99 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

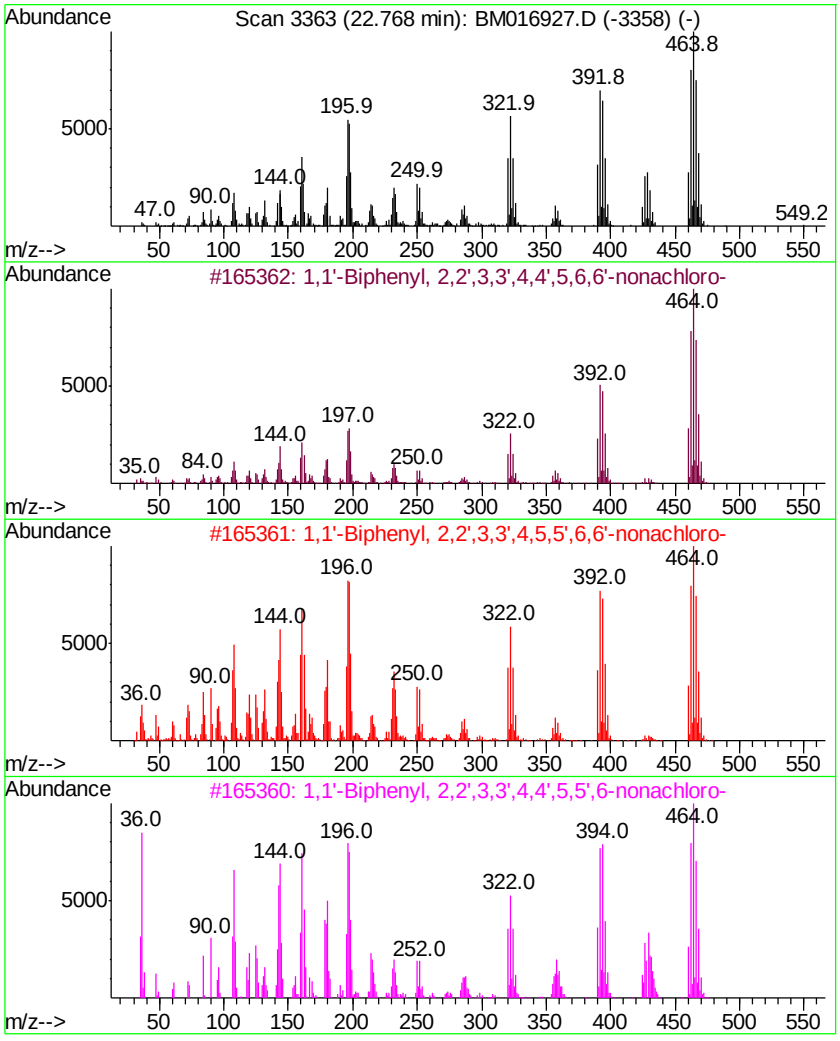
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

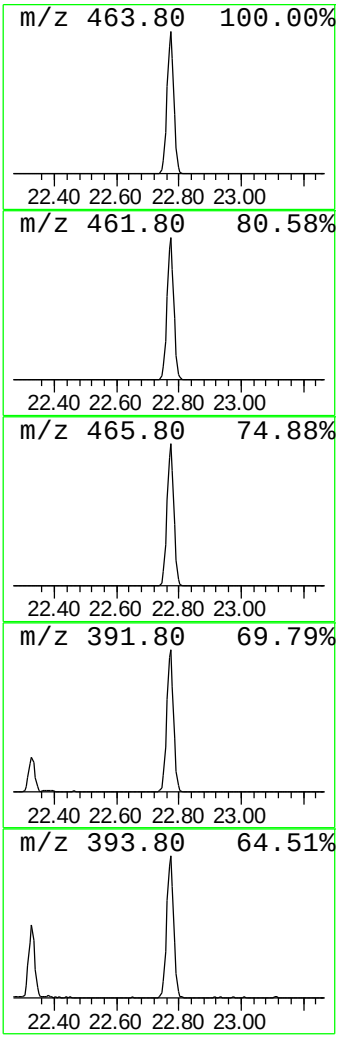
**********

Peak Number 39 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.77 | 13.08 ng/ul | 2506150 | Perylene-d12 | 23.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 052663-79-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 460 | C12HCl9 | 052663-77-1 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 040186-72-9 | 62 |
| 4 | Spiro[benzofuran-2(3H),1'-[2,5]c... | 462 | C14H9Br3O3 | 052498-93-8 | 35 |
| 5 | 5,5',8,8'-Tetramethoxy-6,6'-meth... | 462 | C26H22O8 | 104548-70-1 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100118\
Data File : BM016927.D
Acq On : 01 Oct 2018 18:38
Operator : MJ/SJ
Sample : J5120-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B28

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 3.19 | 13.8 | ng/ul | 1267670 | 1 | 7.72 | 1832800 | 20.0 |
| Benzene, 1,4-dich... | 8.06 | 105.1 | ng/ul | 9628100 | 1 | 7.72 | 1832800 | 20.0 |
| Benzene, 1,2,3-tr... | 10.42 | 1540.1 | ng/ul | 229012000 | 2 | 10.52 | 2974020 | 20.0 |
| Benzene, 1,3,5-tr... | 10.90 | 438.6 | ng/ul | 65213900 | 2 | 10.52 | 2974020 | 20.0 |
| Thiophene, tetrac... | 11.60 | 3.2 | ng/ul | 480926 | 2 | 10.52 | 2974020 | 20.0 |
| unknown-01 | 12.95 | 2.1 | ng/ul | 404209 | 3 | 14.36 | 3893790 | 20.0 |
| 1H-Indene, octahy... | 13.77 | 10.6 | ng/ul | 2065940 | 3 | 14.36 | 3893790 | 20.0 |
| (DEL) Alkane: Str... | 13.85 | 5.1 | ng/ul | 997808 | 3 | 14.36 | 3893790 | 20.0 |
| Decahydro-4,4,8,9... | 13.89 | 5.5 | ng/ul | 1077640 | 3 | 14.36 | 3893790 | 20.0 |
| unknown-02 | 14.09 | 8.5 | ng/ul | 1650800 | 3 | 14.36 | 3893790 | 20.0 |
| unknown-03 | 14.18 | 19.1 | ng/ul | 3722020 | 3 | 14.36 | 3893790 | 20.0 |
| unknown-04 | 14.26 | 6.3 | ng/ul | 1226270 | 3 | 14.36 | 3893790 | 20.0 |
| (DEL) Alkane: Str... | 14.89 | 9.9 | ng/ul | 1932890 | 3 | 14.36 | 3893790 | 20.0 |
| unknown-05 | 15.08 | 10.4 | ng/ul | 2021970 | 3 | 14.36 | 3893790 | 20.0 |
| 2,11-Dioxabicyclo... | 15.14 | 22.1 | ng/ul | 4297610 | 3 | 14.36 | 3893790 | 20.0 |
| 3-(2-Methyl-prope... | 15.40 | 5.8 | ng/ul | 1135080 | 3 | 14.36 | 3893790 | 20.0 |
| Pentadecane, 2,6,... | 16.11 | 35.9 | ng/ul | 7159480 | 4 | 17.10 | 3990200 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.03 | 125.9 | ng/ul | 25110700 | 4 | 17.10 | 3990200 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.32 | 7.7 | ng/ul | 30360800 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.74 | 3.9 | ng/ul | 15146700 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.89 | 7.4 | ng/ul | 29042500 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.23 | 2.9 | ng/ul | 11443800 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 3,... | 20.36 | 5.9 | ng/ul | 23334500 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.63 | 19.8 | ng/ul | 77931400 | 5 | 21.30 | 78768500 | 20.0 |
| 2,2',3,3',4,5',6-... | 20.83 | 5.3 | ng/ul | 21077800 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.15 | 2.7 | ng/ul | 10673300 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.64 | 10.1 | ng/ul | 39598700 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 22.33 | 3.9 | ng/ul | 15418400 | 5 | 21.30 | 78768500 | 20.0 |
| 1,1'-Biphenyl, 2,... | 22.77 | 13.1 | ng/ul | 2506150 | 6 | 23.52 | 3832260 | 20.0 |