LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

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-BM061419MA.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 | 3.010 | 3 | 4 | 19 | rVB | 387460 | 451109 | 7.28% | 0.989% |
| 2 | 4.399 | 238 | 240 | 247 | rVB2 | 43636 | 56952 | 0.92% | 0.125% |
| 3 | 6.857 | 654 | 658 | 663 | rVB | 26264 | 36544 | 0.59% | 0.080% |
| 4 | 6.928 | 665 | 670 | 684 | rVB | 100931 | 192764 | 3.11% | 0.423% |
| 5 | 7.098 | 694 | 699 | 705 | rBV | 76434 | 117836 | 1.90% | 0.258% |
| 6 | 7.293 | 726 | 732 | 739 | rVB | 107813 | 184596 | 2.98% | 0.405% |
| 7 | 7.757 | 804 | 811 | 819 | rVB | 820129 | 1311190 | 21.17% | 2.875% |
| 8 | 7.881 | 829 | 832 | 837 | rVB2 | 10567 | 15477 | 0.25% | 0.034% |
| 9 | 8.463 | 925 | 931 | 939 | rBV | 132016 | 220972 | 3.57% | 0.485% |
| 10 | 8.922 | 1003 | 1009 | 1019 | rVB | 105500 | 184238 | 2.98% | 0.404% |
| 11 | 9.281 | 1065 | 1070 | 1075 | rVB2 | 18998 | 27645 | 0.45% | 0.061% |
| 12 | 9.634 | 1123 | 1130 | 1138 | rVB | 87248 | 146416 | 2.36% | 0.321% |
| 13 | 10.169 | 1215 | 1221 | 1230 | rBV | 136373 | 245881 | 3.97% | 0.539% |
| 14 | 10.539 | 1277 | 1284 | 1294 | rBV | 1255168 | 2115359 | 34.16% | 4.638% |
| 15 | 10.698 | 1304 | 1311 | 1321 | rBV | 99417 | 196748 | 3.18% | 0.431% |
| 16 | 11.339 | 1415 | 1420 | 1423 | rVB4 | 4816 | 6745 | 0.11% | 0.015% |
| 17 | 11.769 | 1488 | 1493 | 1499 | rVB3 | 10764 | 17305 | 0.28% | 0.038% |
| 18 | 12.380 | 1594 | 1597 | 1601 | rBV3 | 4972 | 7266 | 0.12% | 0.016% |
| 19 | 12.710 | 1647 | 1653 | 1659 | rBV | 98192 | 167234 | 2.70% | 0.367% |
| 20 | 12.775 | 1659 | 1664 | 1683 | rVV | 267690 | 541203 | 8.74% | 1.187% |
| 21 | 12.910 | 1683 | 1687 | 1694 | rVV5 | 20891 | 37826 | 0.61% | 0.083% |
| 22 | 12.980 | 1698 | 1699 | 1707 | rVB6 | 4834 | 8187 | 0.13% | 0.018% |
| 23 | 13.151 | 1723 | 1728 | 1729 | rBV4 | 5875 | 6299 | 0.10% | 0.014% |
| 24 | 13.216 | 1731 | 1739 | 1749 | rVV2 | 59844 | 177577 | 2.87% | 0.389% |
| 25 | 13.322 | 1752 | 1757 | 1762 | rVV | 98876 | 175746 | 2.84% | 0.385% |
| 26 | 13.398 | 1765 | 1770 | 1775 | rVV | 165002 | 296880 | 4.79% | 0.651% |
| 27 | 13.457 | 1775 | 1780 | 1789 | rVV | 161567 | 318861 | 5.15% | 0.699% |
| 28 | 13.551 | 1793 | 1796 | 1800 | rVV4 | 7525 | 8420 | 0.14% | 0.018% |
| 29 | 13.592 | 1800 | 1803 | 1808 | rVV7 | 7540 | 13242 | 0.21% | 0.029% |
| 30 | 13.710 | 1818 | 1823 | 1824 | rBV4 | 12850 | 19182 | 0.31% | 0.042% |
| 31 | 13.810 | 1831 | 1840 | 1844 | rBV | 337087 | 533628 | 8.62% | 1.170% |
| 32 | 13.863 | 1844 | 1849 | 1853 | rVV2 | 187323 | 285539 | 4.61% | 0.626% |
| 33 | 13.904 | 1853 | 1856 | 1863 | rVB7 | 35810 | 77769 | 1.26% | 0.171% |
| 34 | 13.980 | 1865 | 1869 | 1873 | rBV4 | 23818 | 30655 | 0.50% | 0.067% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

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-BM061419MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.092 | 1882 | 1888 | 1893 | rBV | 368387 | 576679 | 9.31% | 1.264% |
| 36 | 14.216 | 1903 | 1909 | 1914 | rVB3 | 49513 | 106312 | 1.72% | 0.233% |
| 37 | 14.280 | 1915 | 1920 | 1925 | rBV2 | 174057 | 256126 | 4.14% | 0.562% |
| 38 | 14.351 | 1927 | 1932 | 1934 | rVV4 | 59805 | 92217 | 1.49% | 0.202% |
| 39 | 14.398 | 1934 | 1940 | 1949 | rVB2 | 2104897 | 3150818 | 50.88% | 6.909% |
| 40 | 14.627 | 1974 | 1979 | 1985 | rBV3 | 102168 | 204527 | 3.30% | 0.448% |
| 41 | 14.698 | 1988 | 1991 | 1993 | rBV3 | 37794 | 53254 | 0.86% | 0.117% |
| 42 | 14.786 | 2002 | 2006 | 2010 | rVB2 | 81270 | 107471 | 1.74% | 0.236% |
| 43 | 14.839 | 2012 | 2015 | 2020 | rVV6 | 45109 | 75093 | 1.21% | 0.165% |
| 44 | 14.904 | 2021 | 2026 | 2032 | rVB4 | 141095 | 244509 | 3.95% | 0.536% |
| 45 | 14.974 | 2035 | 2038 | 2041 | rVB2 | 58650 | 63812 | 1.03% | 0.140% |
| 46 | 15.033 | 2041 | 2048 | 2053 | rBV7 | 84868 | 190545 | 3.08% | 0.418% |
| 47 | 15.239 | 2079 | 2083 | 2088 | rBV2 | 373467 | 499838 | 8.07% | 1.096% |
| 48 | 15.345 | 2098 | 2101 | 2105 | rBV4 | 73781 | 120298 | 1.94% | 0.264% |
| 49 | 15.392 | 2105 | 2109 | 2114 | rVV | 570302 | 754660 | 12.19% | 1.655% |
| 50 | 15.527 | 2129 | 2132 | 2138 | rBV5 | 71344 | 117671 | 1.90% | 0.258% |
| 51 | 15.645 | 2145 | 2152 | 2156 | rBV | 479934 | 866975 | 14.00% | 1.901% |
| 52 | 15.739 | 2165 | 2168 | 2170 | rBV3 | 110520 | 145759 | 2.35% | 0.320% |
| 53 | 15.798 | 2175 | 2178 | 2183 | rVV5 | 80457 | 143441 | 2.32% | 0.315% |
| 54 | 15.857 | 2185 | 2188 | 2191 | rVB2 | 127811 | 146444 | 2.36% | 0.321% |
| 55 | 15.892 | 2191 | 2194 | 2200 | rBV3 | 128769 | 198282 | 3.20% | 0.435% |
| 56 | 15.998 | 2209 | 2212 | 2220 | rVB4 | 183320 | 291801 | 4.71% | 0.640% |
| 57 | 16.121 | 2226 | 2233 | 2240 | rBV | 1478590 | 3059500 | 49.41% | 6.708% |
| 58 | 16.257 | 2253 | 2256 | 2260 | rBV4 | 107232 | 134655 | 2.17% | 0.295% |
| 59 | 16.445 | 2285 | 2288 | 2291 | rBV2 | 147835 | 203671 | 3.29% | 0.447% |
| 60 | 16.798 | 2343 | 2348 | 2354 | rBV | 4366788 | 6192320 | 100.00% | 13.578% |
| 61 | 16.892 | 2361 | 2364 | 2368 | rVB | 503456 | 585157 | 9.45% | 1.283% |
| 62 | 16.945 | 2369 | 2373 | 2377 | rVV2 | 641265 | 844056 | 13.63% | 1.851% |
| 63 | 17.151 | 2402 | 2408 | 2413 | rBV2 | 2740589 | 3907934 | 63.11% | 8.569% |
| 64 | 17.245 | 2421 | 2424 | 2431 | rVB2 | 642170 | 935542 | 15.11% | 2.051% |
| 65 | 17.545 | 2473 | 2475 | 2480 | rBV4 | 195536 | 275489 | 4.45% | 0.604% |
| 66 | 17.633 | 2486 | 2490 | 2495 | rVB | 666167 | 811798 | 13.11% | 1.780% |
| 67 | 18.033 | 2556 | 2558 | 2562 | rVB3 | 155301 | 156382 | 2.53% | 0.343% |
| 68 | 18.327 | 2604 | 2608 | 2613 | rVB | 534684 | 678265 | 10.95% | 1.487% |
| 69 | 18.862 | 2696 | 2699 | 2708 | rVB3 | 287051 | 458438 | 7.40% | 1.005% |
| 70 | 18.962 | 2713 | 2716 | 2719 | rVB | 288618 | 310676 | 5.02% | 0.681% |
| 71 | 19.092 | 2736 | 2738 | 2741 | rBV2 | 129960 | 134874 | 2.18% | 0.296% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

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-BM061419MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.203 | 2755 | 2757 | 2764 | rVB | 229465 | 320802 | 5.18% | 0.703% |
| 73 | 19.545 | 2811 | 2815 | 2817 | rBV | 767740 | 959766 | 15.50% | 2.104% |
| 74 | 19.574 | 2817 | 2820 | 2826 | rVV2 | 478771 | 826668 | 13.35% | 1.813% |
| 75 | 19.645 | 2829 | 2832 | 2838 | rVB | 362172 | 575035 | 9.29% | 1.261% |
| 76 | 20.368 | 2952 | 2955 | 2958 | rBV2 | 147203 | 187432 | 3.03% | 0.411% |
| 77 | 20.533 | 2980 | 2983 | 2987 | rBV3 | 399220 | 507921 | 8.20% | 1.114% |
| 78 | 21.339 | 3115 | 3120 | 3124 | rBV | 2284789 | 3021530 | 48.79% | 6.625% |
| 79 | 23.462 | 3477 | 3481 | 3487 | rVB | 500620 | 833636 | 13.46% | 1.828% |
| 80 | 23.609 | 3500 | 3506 | 3514 | rVB | 1606055 | 3045567 | 49.18% | 6.678% |

Sum of corrected areas: 45606937

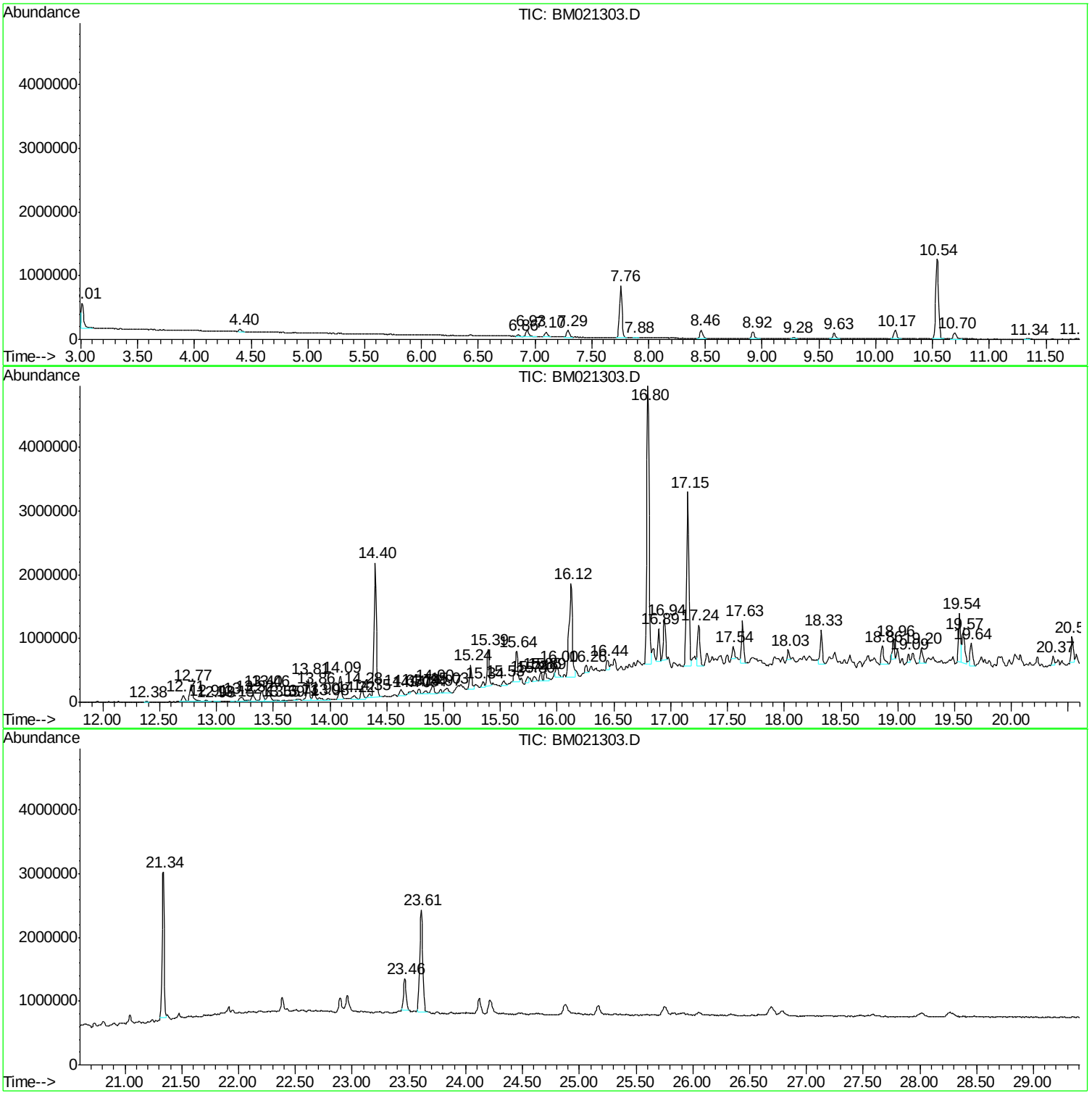
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

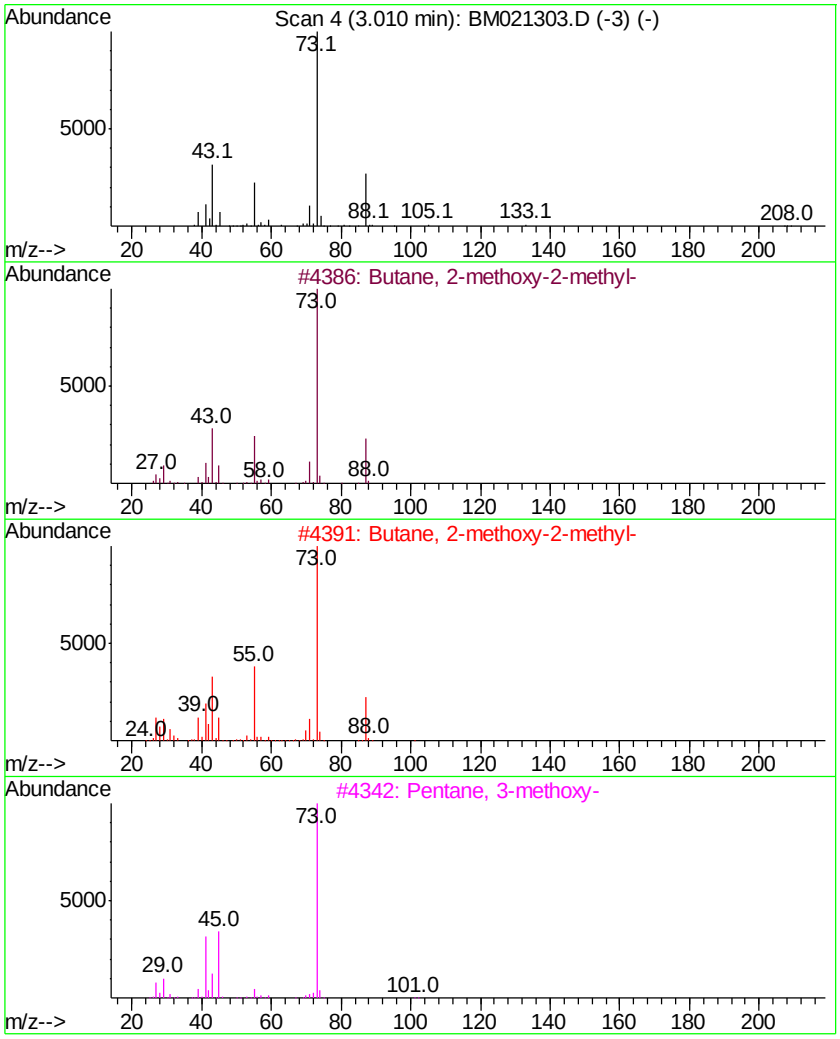
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

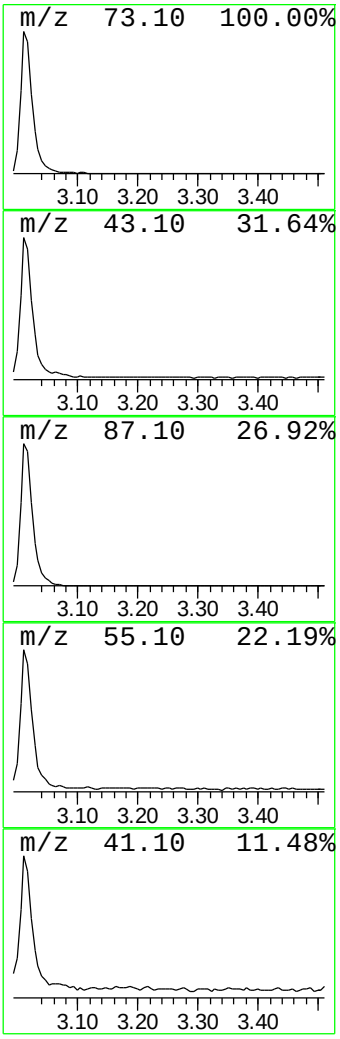
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.01 | 6.88 ng/ul | 451109 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 45 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 38 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 16 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

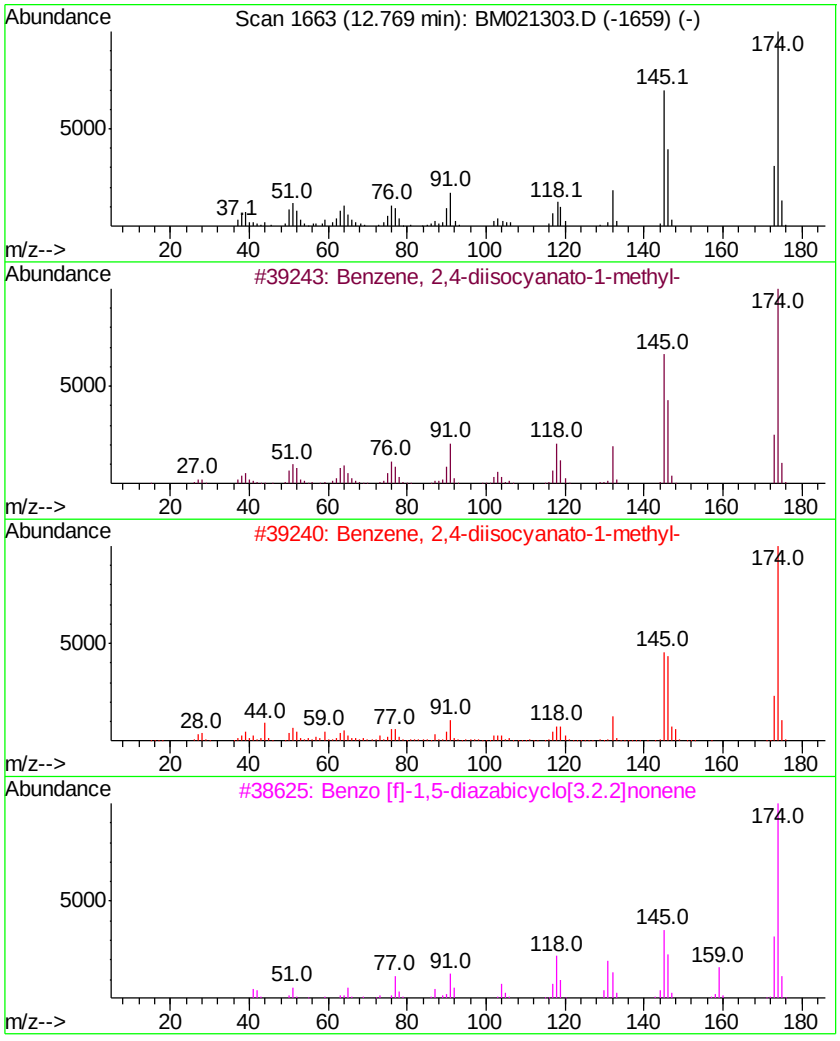
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

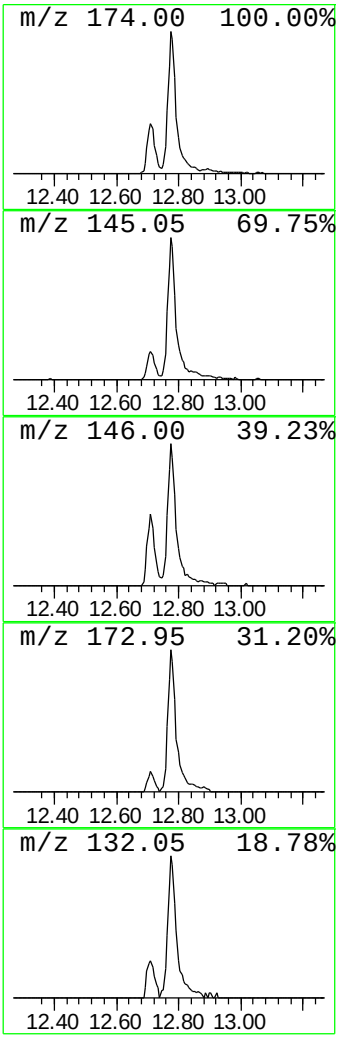
**********

Peak Number 2 Benzene, 2,4-diisocyanato-1... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.77 | 3.44 ng/ul | 541203 | Acenaphthene-d10 | 14.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2,4-diisocyanato-1-methyl- | 174 | C9H6N2O2 | 000584-84-9 | 93 |
| 2 | Benzene, 2,4-diisocyanato-1-methyl- | 174 | C9H6N2O2 | 000584-84-9 | 93 |
| 3 | Benzo [f]-1,5-diazabicyclo[3.2.2... | 174 | C11H14N2 | 007092-76-4 | 72 |
| 4 | Benzene, 1,3-diisocyanato-2-methyl- | 174 | C9H6N2O2 | 000091-08-7 | 58 |
| 5 | Benzene, 2,4-diisocyanato-1-methyl- | 174 | C9H6N2O2 | 000584-84-9 | 52 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

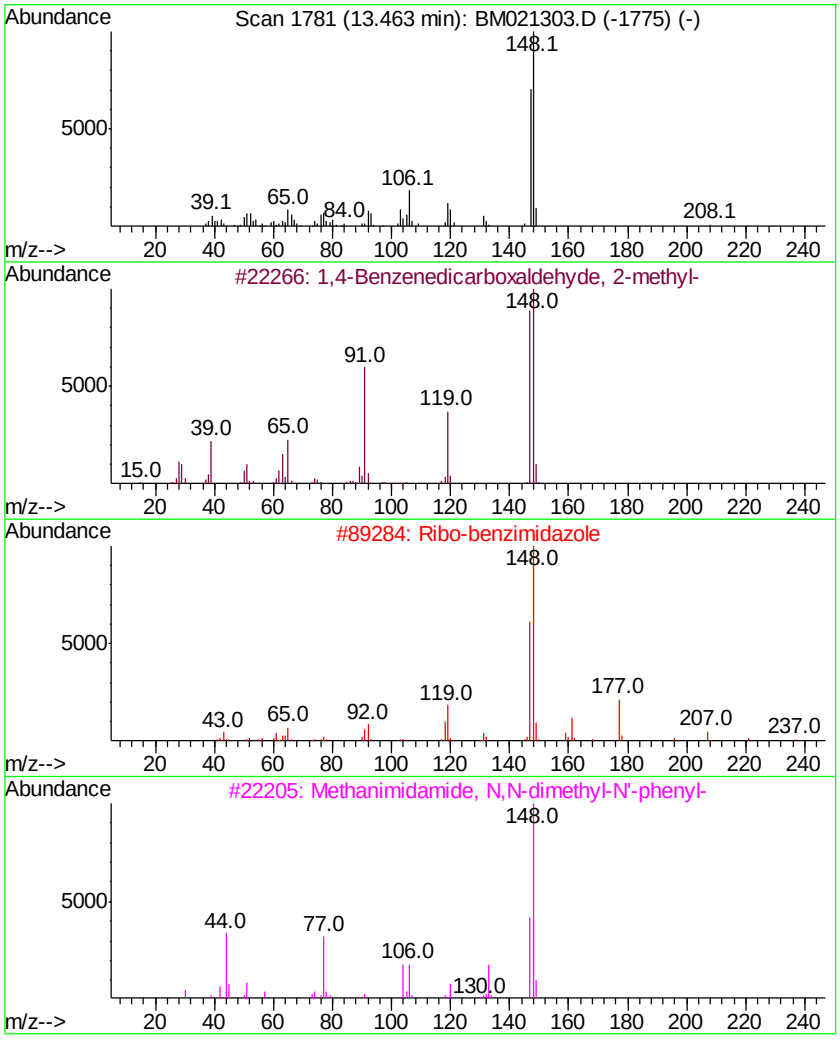
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

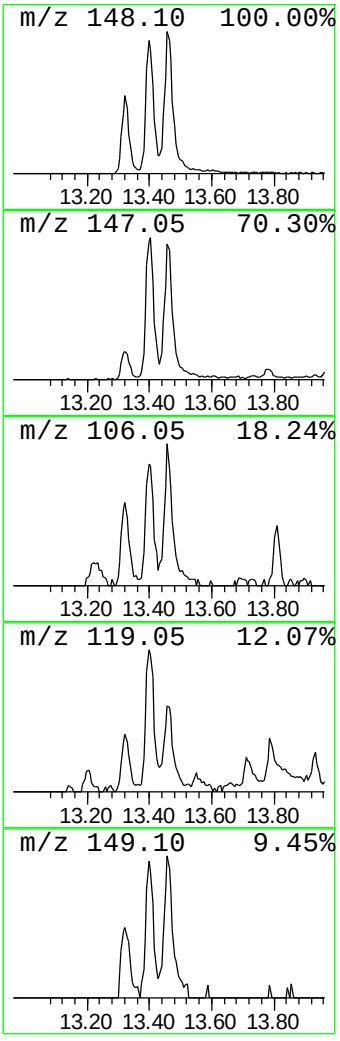
**********

Peak Number 3 1,4-Benzenedicarboxaldehyde... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.46 | 2.02 ng/ul | 318861 | Acenaphthene-d10 | 14.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Benzenedicarboxaldehyde, 2-m... | 148 | C9H8O2 | 027587-17-3 | 64 |
| 2 | Ribo-benzimidazole | 252 | C12H16N2O4 | 1000128-23-5 | 59 |
| 3 | Methanimidamide, N,N-dimethyl-N'... | 148 | C9H12N2 | 001783-25-1 | 59 |
| 4 | 3H-Indazol-3-one, 1,2-dihydro-2-... | 148 | C8H8N2O | 001848-40-4 | 53 |
| 5 | 1H-Benzotriazol-5-amine, 1-methyl- | 148 | C7H8N4 | 027799-83-3 | 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

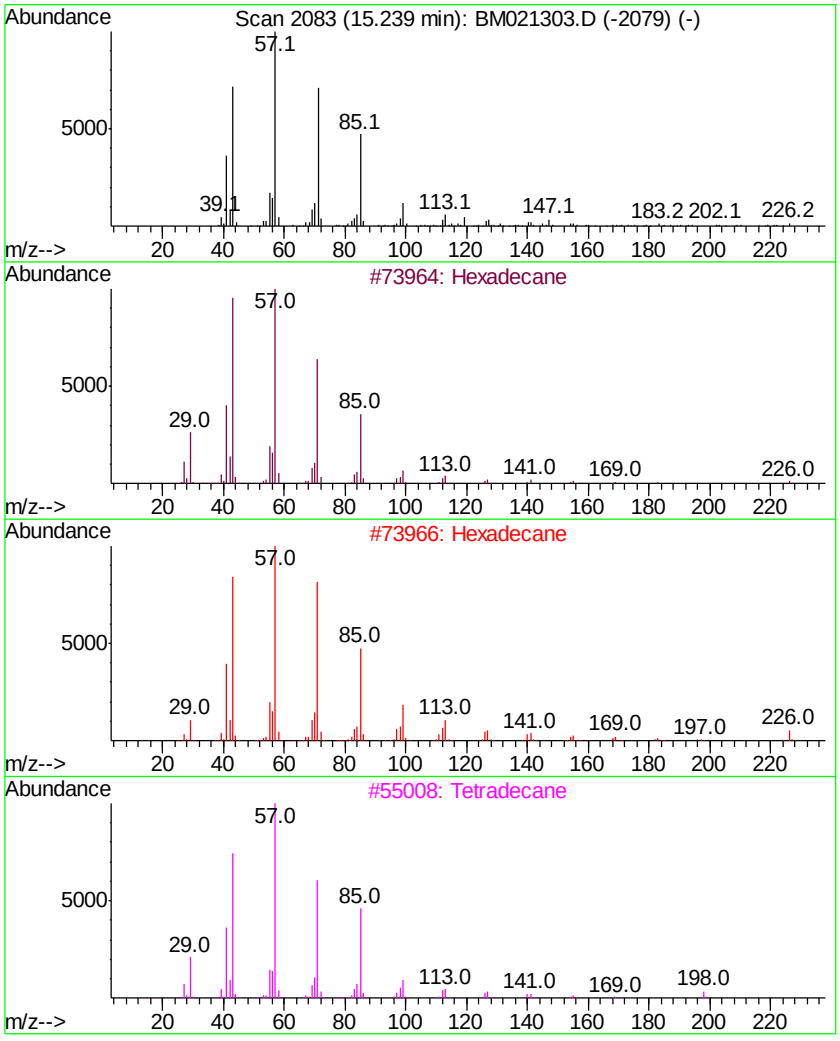
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

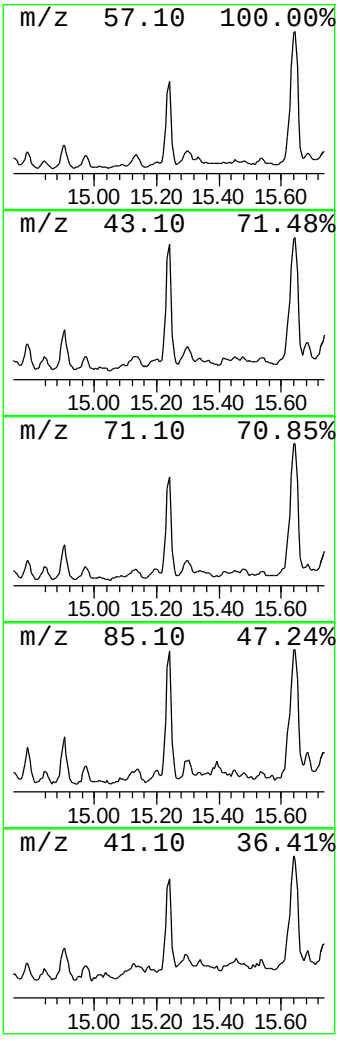
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.24 | 3.17 ng/ul | 499838 | Acenaphthene-d10 | 14.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 89 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

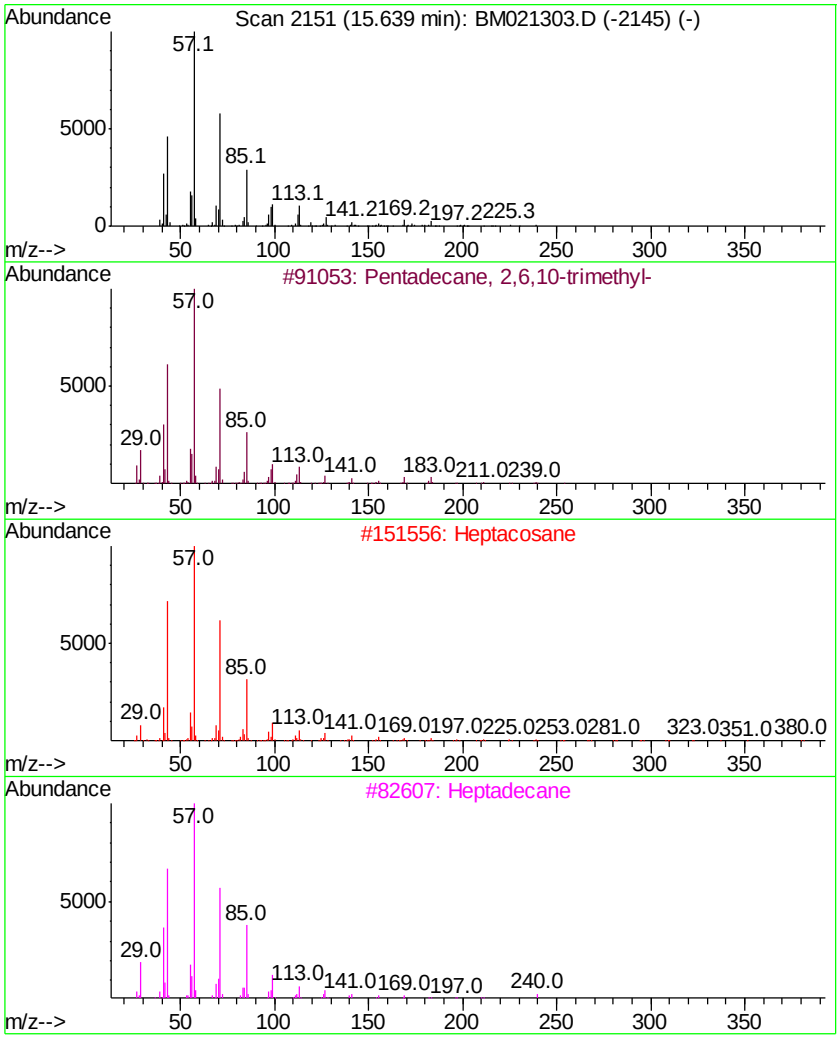
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

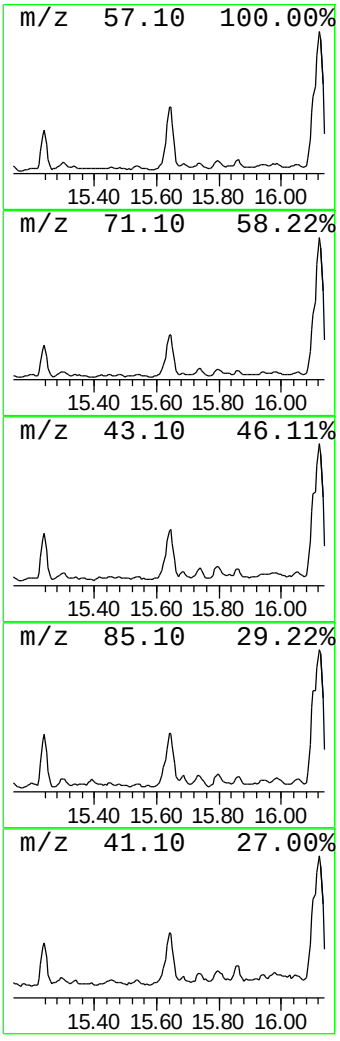
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.64 | 5.50 ng/ul | 866975 | Acenaphthene-d10 | 14.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 78 |
| 4 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 72 |
| 5 | Pentacosane | 352 | C25H52 | 000629-99-2 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

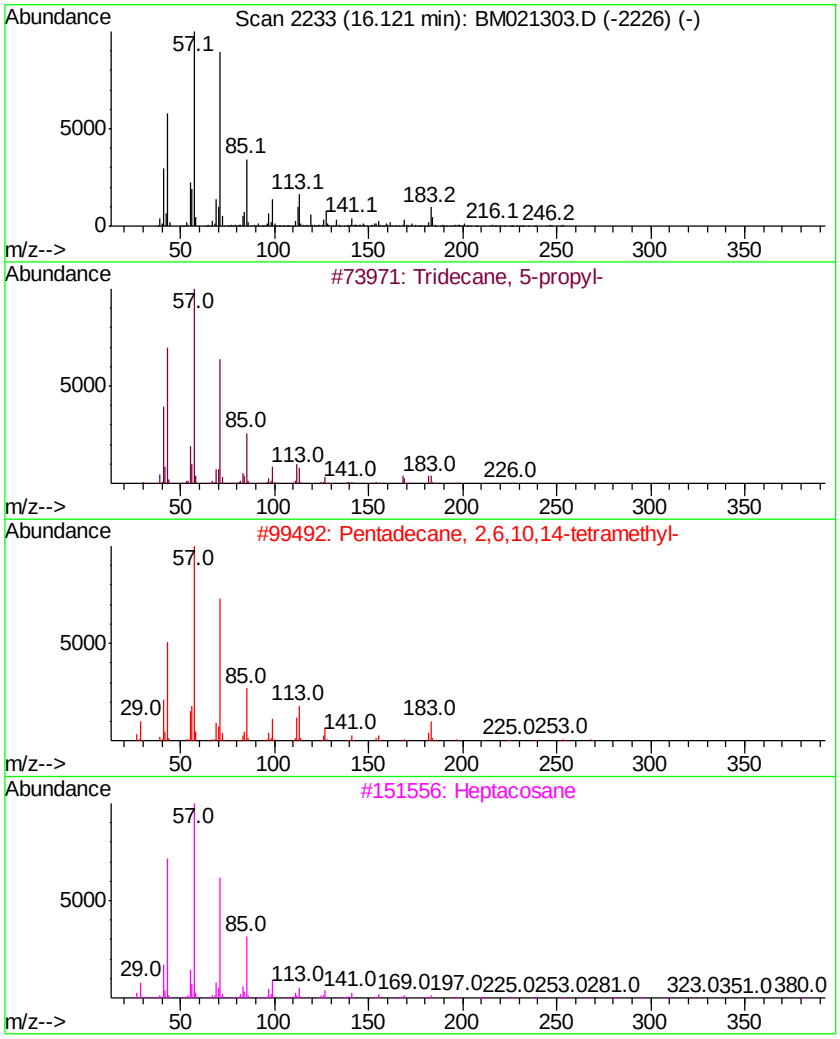
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

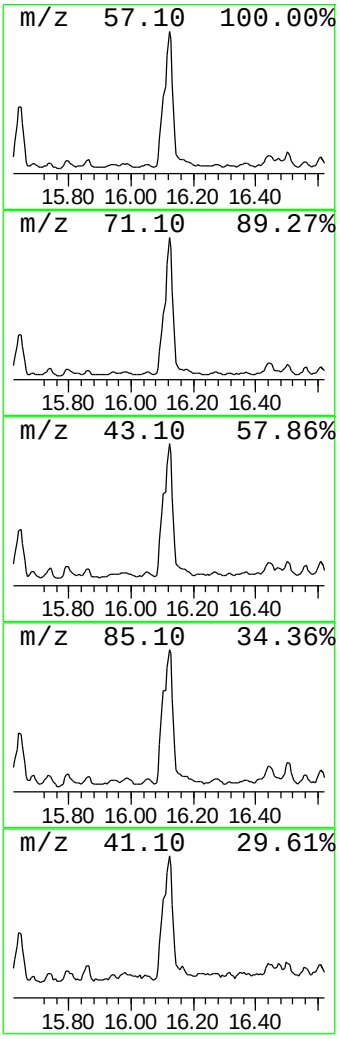
**********

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.12 | 15.66 ng/ul | 3059500 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 93 |
| 2 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 87 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 4 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 74 |
| 5 | Heptane, 3-ethyl-5-methyl- | 142 | C10H22 | 052896-90-9 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

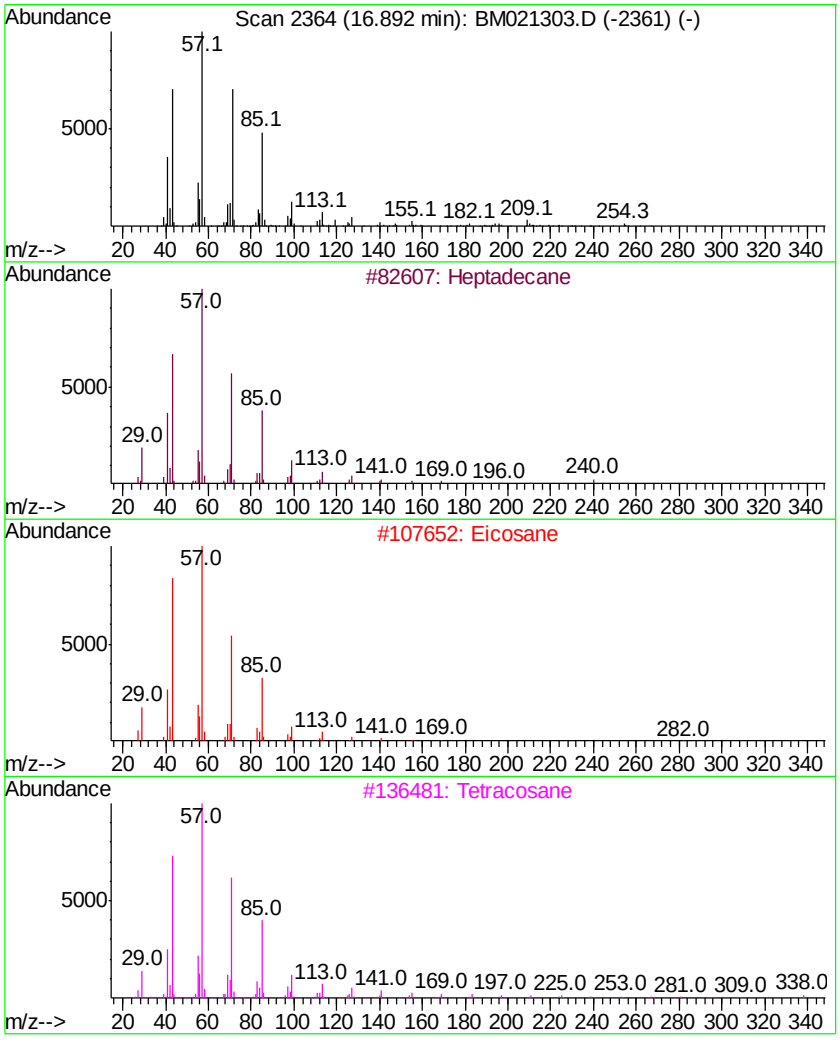
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

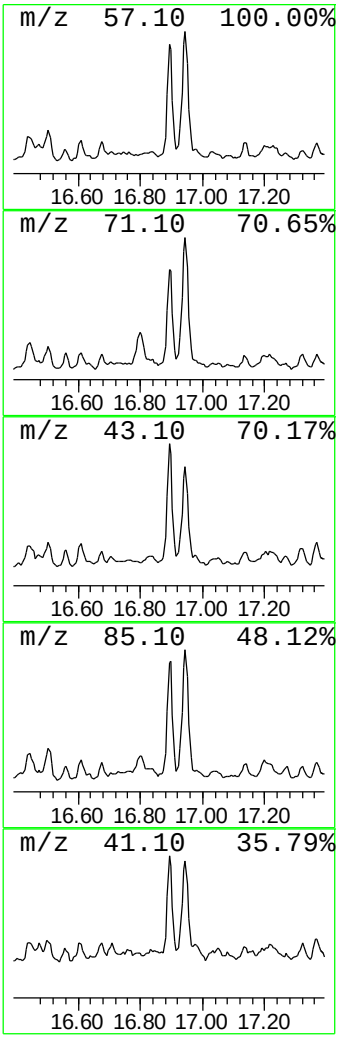
**********

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.89 | 2.99 ng/ul | 585157 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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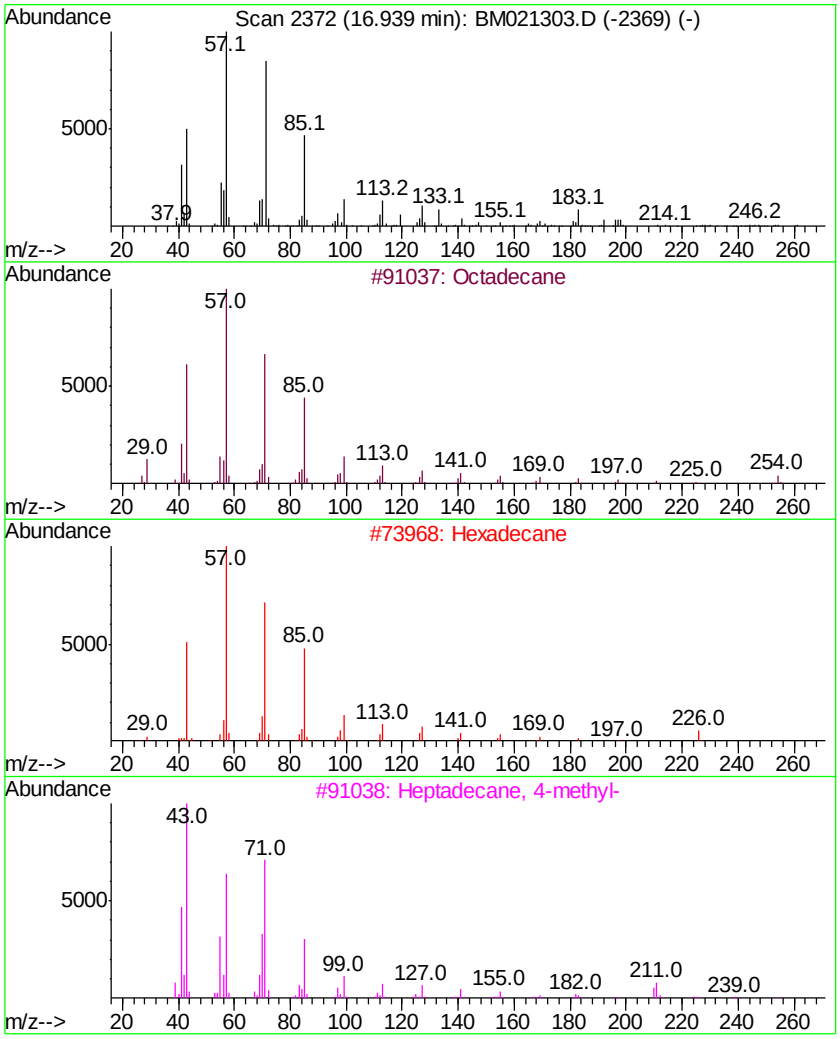
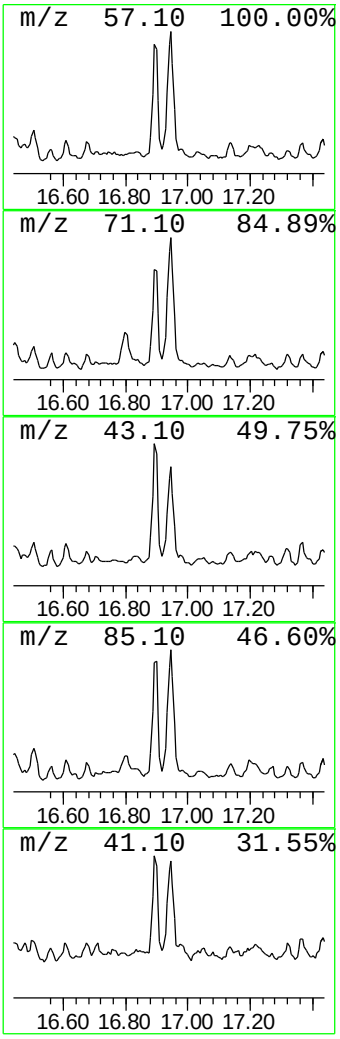
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.94 | 4.32 ng/ul | 844056 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 83 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 3 | Heptadecane, 4-methyl- | 254 | C18H38 | 026429-11-8 | 76 |
| 4 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 74 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 74 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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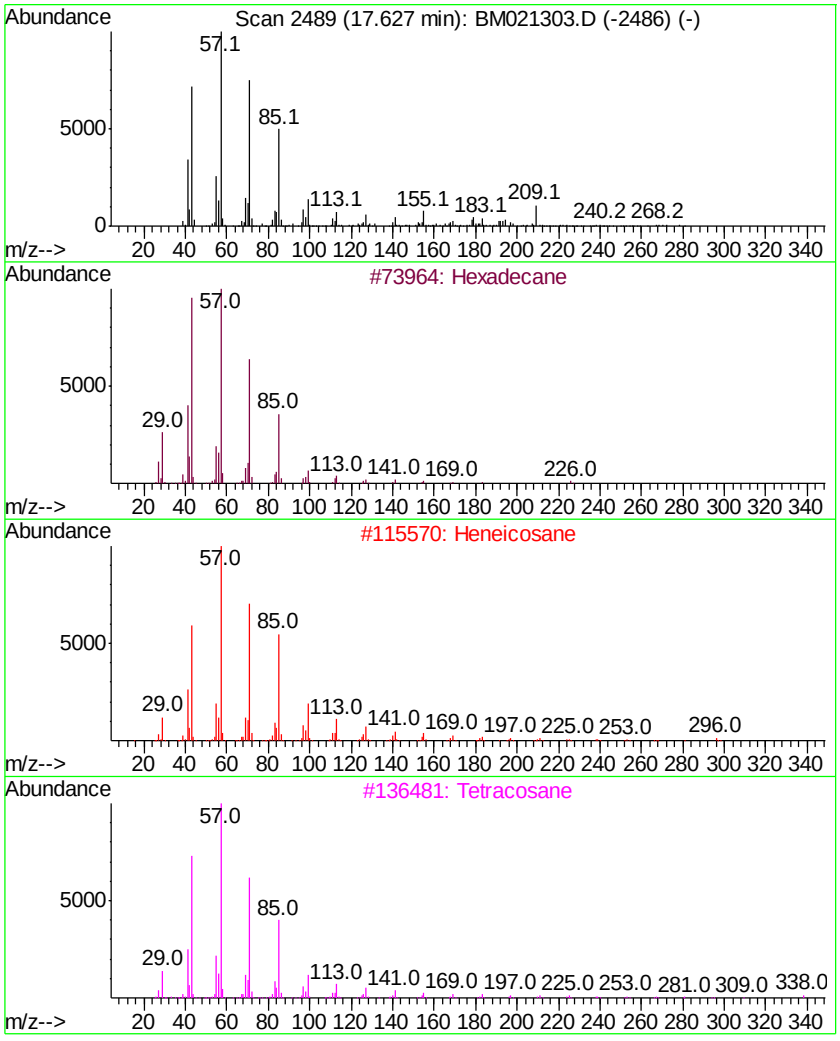
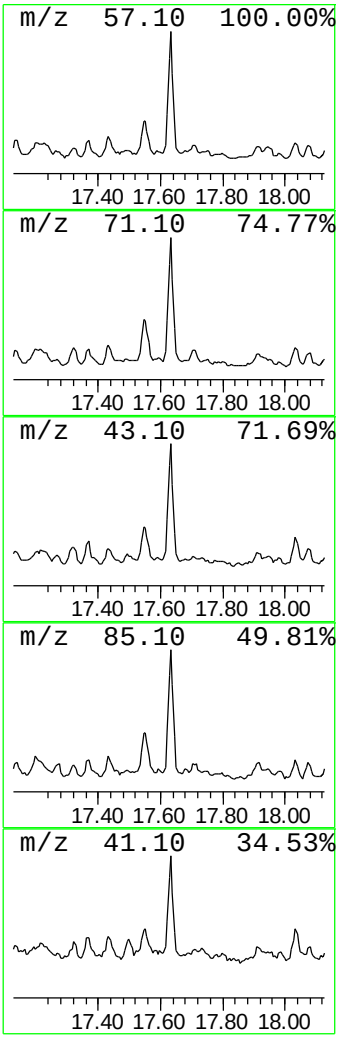
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.63 | 4.15 ng/ul | 811798 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 4 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 83 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 83 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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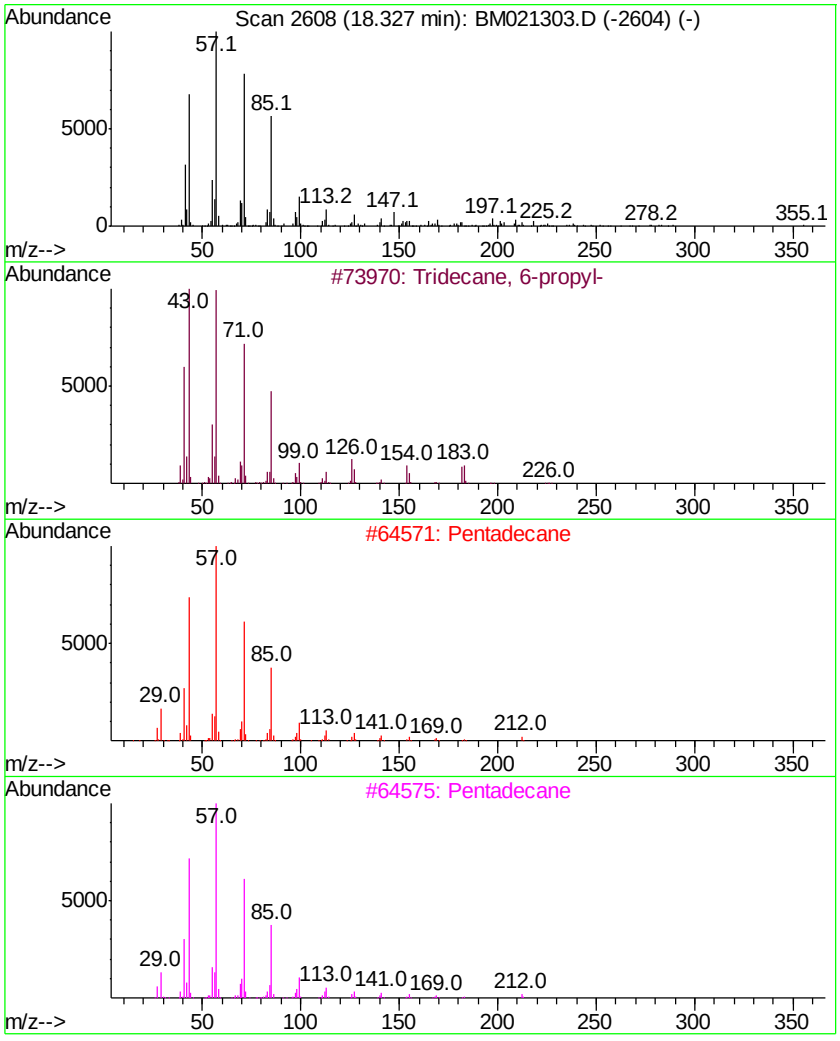
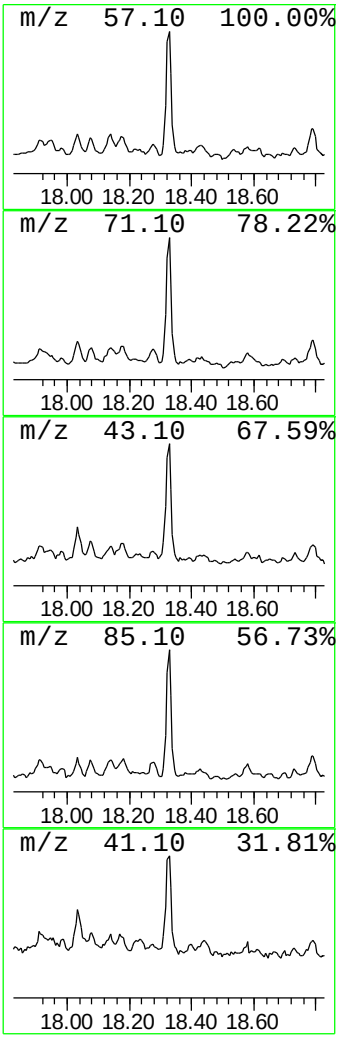
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.33 | 3.47 ng/ul | 678265 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

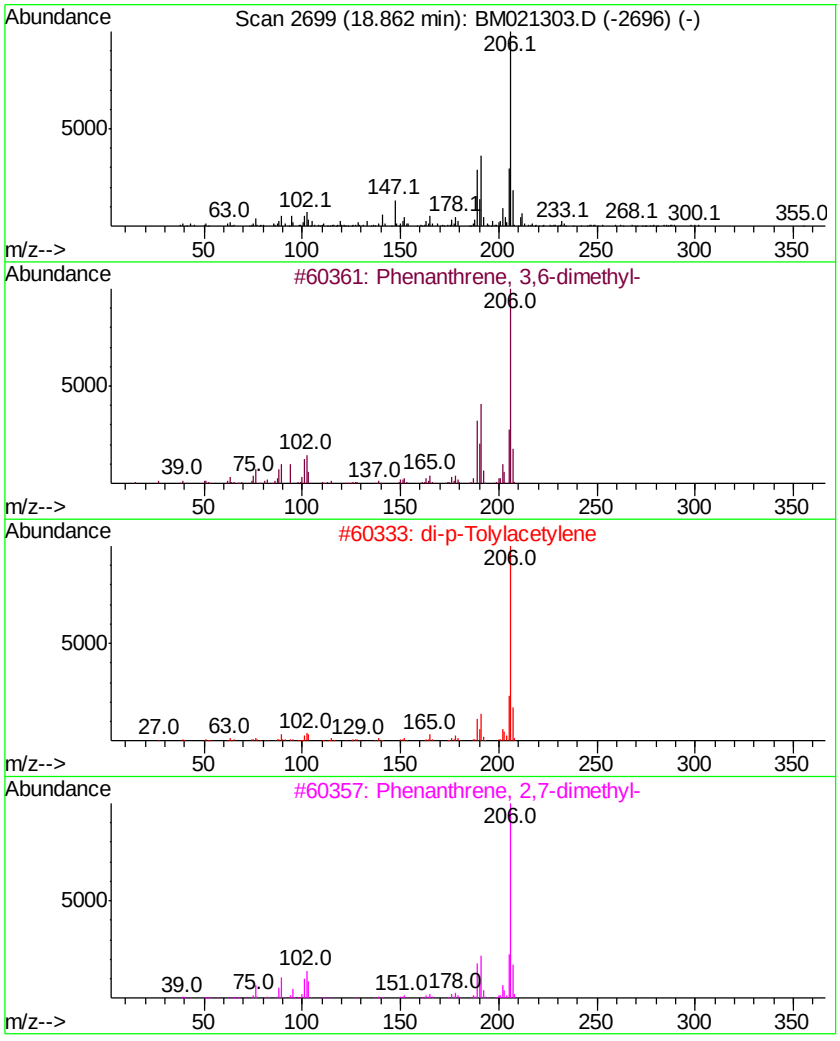
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

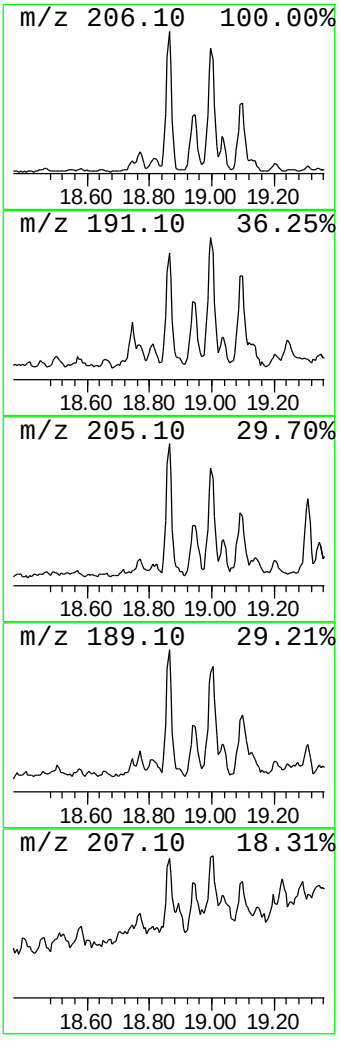
**********

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.86 | 2.35 ng/ul | 458438 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 96 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 90 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 90 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

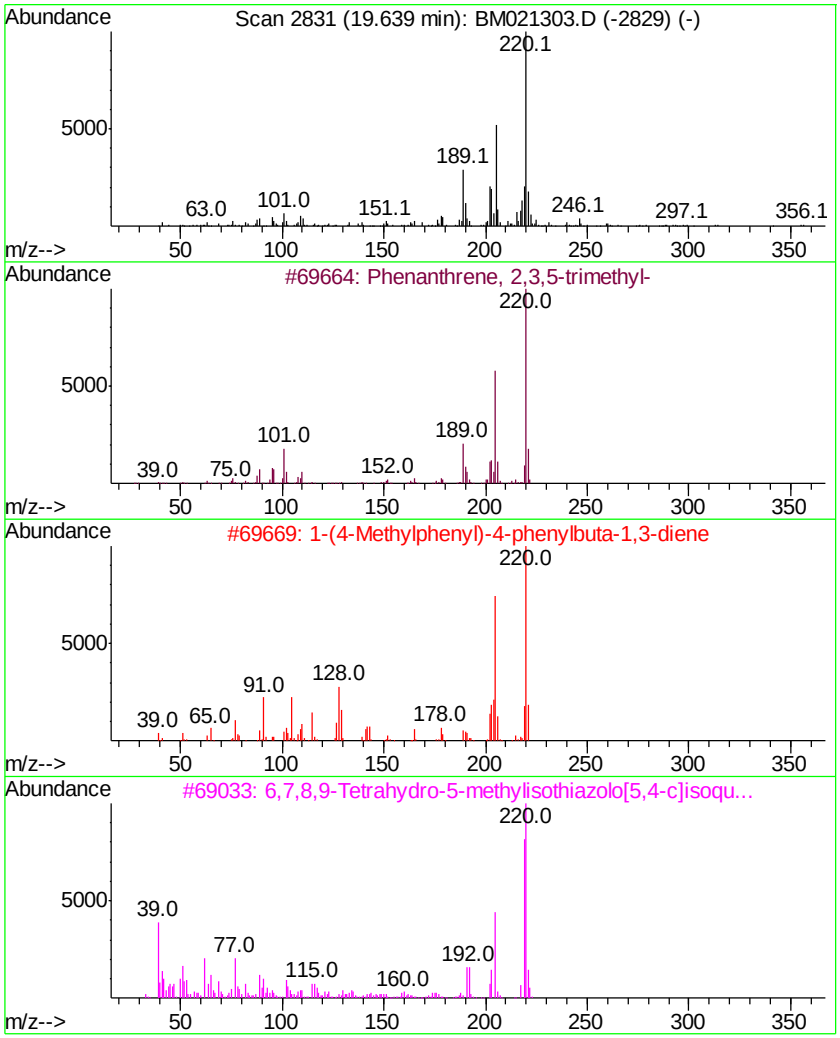
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

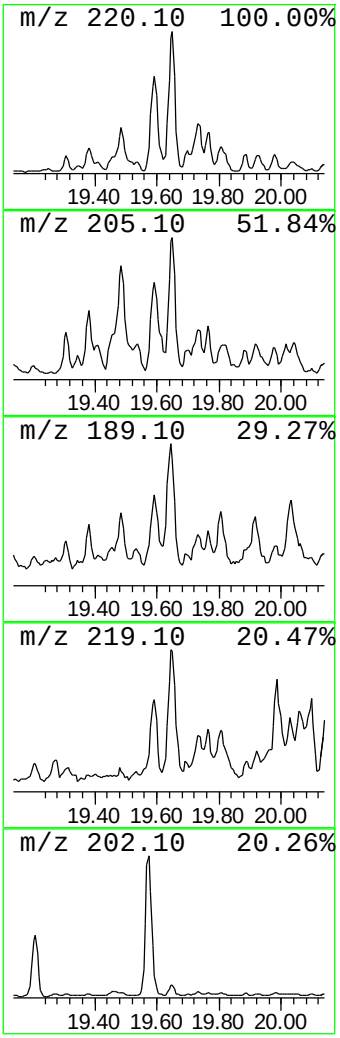
**********

Peak Number 12 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.64 | 3.81 ng/ul | 575035 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,3,5-trimethyl- | 220 | C17H16 | 003674-73-5 | 81 |
| 2 | 1-(4-Methylphenyl)-4-phenylbuta-... | 220 | C17H16 | 037985-11-8 | 74 |
| 3 | 6,7,8,9-Tetrahydro-5-methylisoth... | 220 | C11H12N2OS | 339156-87-5 | 58 |
| 4 | Pyrrolo[1,2-a]thieno[2,3-d]pyrim... | 220 | C11H12N2OS | 056929-61-4 | 58 |
| 5 | 1-Penten-3-one, 4-methyl-1-[2,6,... | 220 | C15H24O | 1000132-20-9 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

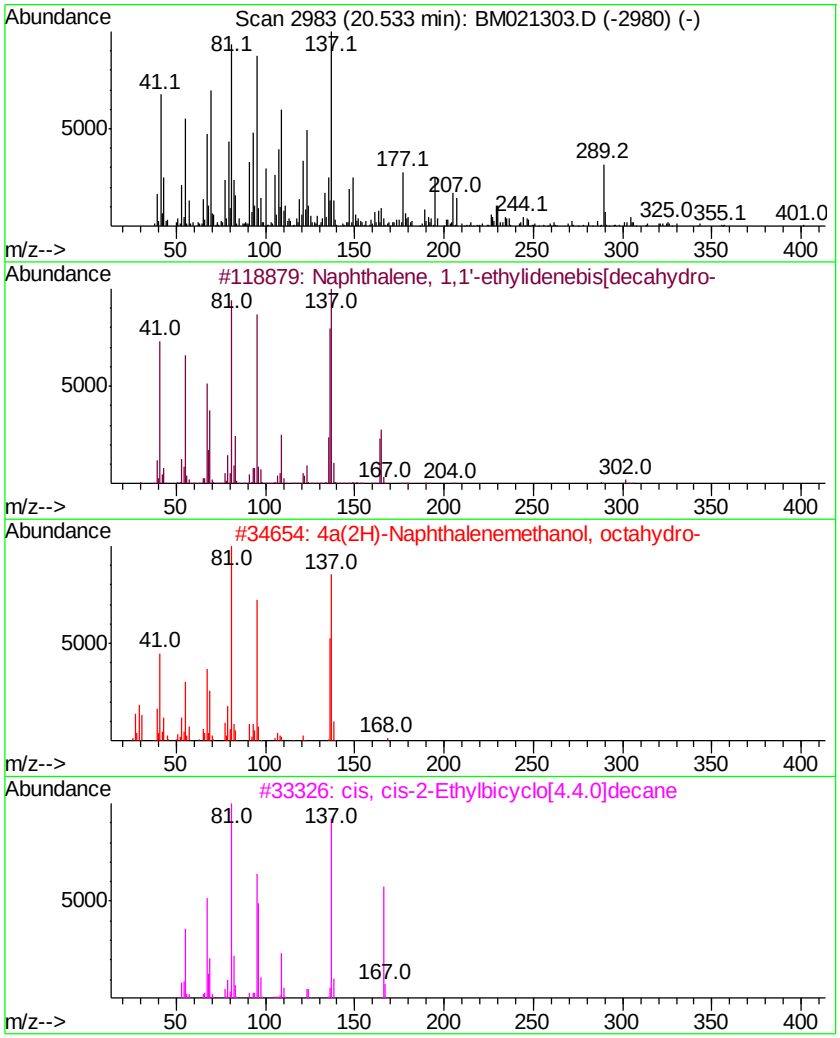
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

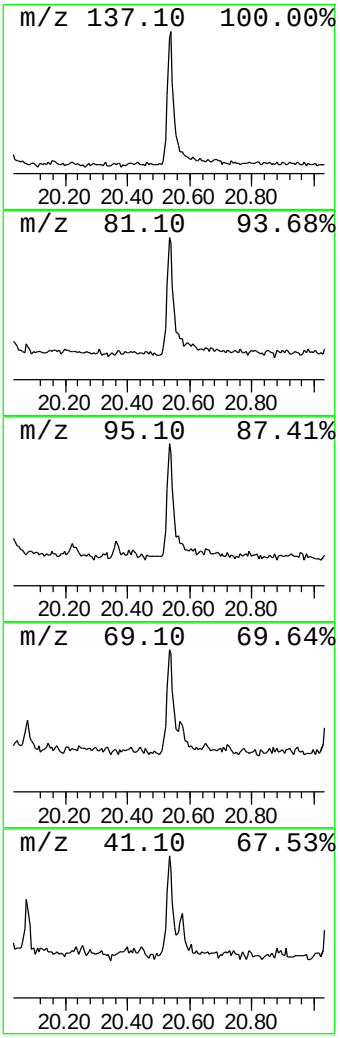
**********

Peak Number 13 Naphthalene, 1,1'-ethyliden... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.53 | 3.36 ng/ul | 507921 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,1'-ethylidenebis[... | 302 | C22H38 | 054934-70-2 | 78 |
| 2 | 4a(2H)-Naphthalenemethanol, octa... | 168 | C11H20O | 099992-19-5 | 55 |
| 3 | cis, cis-2-Ethylbicyclo[4.4.0]de... | 166 | C12H22 | 066660-40-0 | 47 |
| 4 | 2,5-Octadiene, 3,4,5,6-tetramethyl- | 166 | C12H22 | 247797-85-9 | 46 |
| 5 | Trans, trans-2-ethylbicyclo[4.4.... | 166 | C12H22 | 066660-37-5 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM070119\
Data File : BM021303.D
Acq On : 01 Jul 2019 11:11
Operator : HP/JU
Sample : K3590-04DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5BA3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.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 |
| unknown-01 | 3.01 | 6.9 | ng/ul | 451109 | 1 | 7.76 | 1311190 | 20.0 |
| Benzene, 2,4-diis... | 12.77 | 3.4 | ng/ul | 541203 | 3 | 14.40 | 3150820 | 20.0 |
| 1,4-Benzenedicarb... | 13.46 | 2.0 | ng/ul | 318861 | 3 | 14.40 | 3150820 | 20.0 |
| (DEL) Alkane: Str... | 15.24 | 3.2 | ng/ul | 499838 | 3 | 14.40 | 3150820 | 20.0 |
| (DEL) Alkane: Str... | 15.64 | 5.5 | ng/ul | 866975 | 3 | 14.40 | 3150820 | 20.0 |
| (DEL) Alkane: Str... | 16.12 | 15.7 | ng/ul | 3059500 | 4 | 17.15 | 3907930 | 20.0 |
| (DEL) Alkane: Str... | 16.89 | 3.0 | ng/ul | 585157 | 4 | 17.15 | 3907930 | 20.0 |
| (DEL) Alkane: Str... | 16.94 | 4.3 | ng/ul | 844056 | 4 | 17.15 | 3907930 | 20.0 |
| (DEL) Alkane: Str... | 17.63 | 4.2 | ng/ul | 811798 | 4 | 17.15 | 3907930 | 20.0 |
| (DEL) Alkane: Str... | 18.33 | 3.5 | ng/ul | 678265 | 4 | 17.15 | 3907930 | 20.0 |
| Phenanthrene, 3,6... | 18.86 | 2.4 | ng/ul | 458438 | 4 | 17.15 | 3907930 | 20.0 |
| Phenanthrene, 2,3... | 19.64 | 3.8 | ng/ul | 575035 | 5 | 21.33 | 3021530 | 20.0 |
| Naphthalene, 1,1'... | 20.53 | 3.4 | ng/ul | 507921 | 5 | 21.33 | 3021530 | 20.0 |