LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_N\METHODS\SOM-EPA-BN081318MA.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 | 3.270 | 45 | 48 | 59 | rVB | 124251 | 189846 | 1.68% | 0.110% |
| 2 | 4.258 | 211 | 216 | 234 | rVB | 1960017 | 2899826 | 25.61% | 1.682% |
| 3 | 4.840 | 310 | 315 | 330 | rVB | 878168 | 1308225 | 11.55% | 0.759% |
| 4 | 6.828 | 647 | 653 | 656 | rBV | 988402 | 1759879 | 15.54% | 1.021% |
| 5 | 6.881 | 659 | 662 | 677 | rVV | 1105563 | 1773361 | 15.66% | 1.029% |
| 6 | 7.016 | 679 | 685 | 699 | rVB | 522726 | 832102 | 7.35% | 0.483% |
| 7 | 7.211 | 712 | 718 | 721 | rBV | 655854 | 1099843 | 9.71% | 0.638% |
| 8 | 7.246 | 721 | 724 | 731 | rVB | 611205 | 941959 | 8.32% | 0.547% |
| 9 | 7.675 | 790 | 797 | 806 | rBV | 616893 | 1017607 | 8.99% | 0.590% |
| 10 | 8.381 | 911 | 917 | 927 | rBV | 858472 | 1397889 | 12.35% | 0.811% |
| 11 | 8.475 | 927 | 933 | 947 | rVB | 767330 | 1216315 | 10.74% | 0.706% |
| 12 | 8.822 | 986 | 992 | 996 | rBV | 699969 | 1185581 | 10.47% | 0.688% |
| 13 | 8.863 | 996 | 999 | 1013 | rVB | 569075 | 930185 | 8.22% | 0.540% |
| 14 | 9.540 | 1108 | 1114 | 1117 | rBV | 571056 | 1036575 | 9.16% | 0.601% |
| 15 | 9.569 | 1117 | 1119 | 1135 | rVB | 530525 | 768457 | 6.79% | 0.446% |
| 16 | 10.075 | 1198 | 1205 | 1207 | rBV | 921550 | 1551863 | 13.71% | 0.900% |
| 17 | 10.446 | 1259 | 1268 | 1273 | rBV | 1068789 | 1908439 | 16.86% | 1.107% |
| 18 | 10.499 | 1273 | 1277 | 1284 | rVV | 862711 | 1389342 | 12.27% | 0.806% |
| 19 | 10.587 | 1285 | 1292 | 1307 | rVB | 613108 | 1150995 | 10.17% | 0.668% |
| 20 | 10.781 | 1318 | 1325 | 1333 | rVB | 873674 | 1403444 | 12.40% | 0.814% |
| 21 | 11.740 | 1481 | 1488 | 1506 | rBV | 1645038 | 2734883 | 24.16% | 1.587% |
| 22 | 12.334 | 1580 | 1589 | 1600 | rVB | 1519459 | 2350127 | 20.76% | 1.363% |
| 23 | 12.487 | 1609 | 1615 | 1622 | rBV | 950955 | 1487402 | 13.14% | 0.863% |
| 24 | 12.728 | 1650 | 1656 | 1663 | rBV | 1547378 | 2502750 | 22.11% | 1.452% |
| 25 | 12.787 | 1663 | 1666 | 1682 | rVB | 101455 | 181365 | 1.60% | 0.105% |
| 26 | 13.134 | 1718 | 1725 | 1729 | rBV | 2158437 | 3288365 | 29.04% | 1.908% |
| 27 | 13.175 | 1729 | 1732 | 1745 | rVB | 1040191 | 1505050 | 13.29% | 0.873% |
| 28 | 13.722 | 1818 | 1825 | 1829 | rBV | 1770990 | 2582923 | 22.81% | 1.499% |
| 29 | 13.769 | 1829 | 1833 | 1840 | rVB | 1479513 | 2046601 | 18.08% | 1.187% |
| 30 | 13.887 | 1848 | 1853 | 1861 | rVB | 1063862 | 1554072 | 13.73% | 0.902% |
| 31 | 13.998 | 1861 | 1872 | 1880 | rBV | 2108362 | 3066463 | 27.08% | 1.779% |
| 32 | 14.310 | 1918 | 1925 | 1930 | rBV2 | 1494926 | 2368788 | 20.92% | 1.374% |
| 33 | 14.369 | 1930 | 1935 | 1945 | rVB | 1905579 | 2750245 | 24.29% | 1.596% |
| 34 | 14.528 | 1954 | 1962 | 1983 | rBV3 | 1194066 | 2565765 | 22.66% | 1.489% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_N\METHODS\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.710 | 1986 | 1993 | 2003 | rVB | 1378946 | 2044768 | 18.06% | 1.186% |
| 36 | 14.940 | 2021 | 2032 | 2042 | rBV | 1161118 | 1681281 | 14.85% | 0.975% |
| 37 | 15.140 | 2056 | 2066 | 2070 | rBV | 578877 | 783441 | 6.92% | 0.455% |
| 38 | 15.175 | 2070 | 2072 | 2077 | rVB | 122026 | 125032 | 1.10% | 0.073% |
| 39 | 15.304 | 2087 | 2094 | 2099 | rBV | 2688590 | 3816296 | 33.71% | 2.214% |
| 40 | 15.357 | 2099 | 2103 | 2111 | rVB | 1264740 | 1705910 | 15.07% | 0.990% |
| 41 | 15.445 | 2111 | 2118 | 2130 | rBV3 | 1869874 | 3321341 | 29.34% | 1.927% |
| 42 | 16.363 | 2268 | 2274 | 2282 | rVB | 1338491 | 1917879 | 16.94% | 1.113% |
| 43 | 16.710 | 2327 | 2333 | 2350 | rBV | 1786949 | 2636010 | 23.28% | 1.529% |
| 44 | 17.057 | 2385 | 2392 | 2395 | rBV | 2057625 | 2991329 | 26.42% | 1.736% |
| 45 | 17.098 | 2395 | 2399 | 2404 | rVV | 2115069 | 2903026 | 25.64% | 1.684% |
| 46 | 17.157 | 2404 | 2409 | 2412 | rVV | 3040056 | 4693812 | 41.46% | 2.723% |
| 47 | 17.186 | 2412 | 2414 | 2424 | rVB | 2390771 | 3075763 | 27.17% | 1.784% |
| 48 | 17.463 | 2453 | 2461 | 2468 | rBV | 1942948 | 2811301 | 24.83% | 1.631% |
| 49 | 17.534 | 2468 | 2473 | 2490 | rVB | 2136612 | 2792149 | 24.66% | 1.620% |
| 50 | 17.963 | 2541 | 2546 | 2550 | rBV | 219320 | 313594 | 2.77% | 0.182% |
| 51 | 18.028 | 2550 | 2557 | 2563 | rVB | 2110987 | 2687617 | 23.74% | 1.559% |
| 52 | 19.122 | 2733 | 2743 | 2752 | rVB | 5657132 | 7516981 | 66.39% | 4.361% |
| 53 | 19.245 | 2760 | 2764 | 2776 | rBV2 | 86178 | 153160 | 1.35% | 0.089% |
| 54 | 19.457 | 2793 | 2800 | 2802 | rBV | 3929506 | 5698995 | 50.34% | 3.306% |
| 55 | 19.486 | 2802 | 2805 | 2815 | rVB | 4061323 | 5175694 | 45.71% | 3.003% |
| 56 | 20.392 | 2954 | 2959 | 2966 | rBV | 2322645 | 2610000 | 23.05% | 1.514% |
| 57 | 21.175 | 3087 | 3092 | 3097 | rBV | 3805942 | 4094887 | 36.17% | 2.376% |
| 58 | 21.239 | 3097 | 3103 | 3109 | rVV2 | 6302960 | 11321794 | 100.00% | 6.569% |
| 59 | 21.292 | 3109 | 3112 | 3123 | rVB | 4423836 | 5084938 | 44.91% | 2.950% |
| 60 | 21.845 | 3203 | 3206 | 3210 | rBV | 101283 | 121718 | 1.08% | 0.071% |
| 61 | 22.304 | 3281 | 3284 | 3289 | rVB | 175509 | 207234 | 1.83% | 0.120% |
| 62 | 22.810 | 3363 | 3370 | 3383 | rVB | 3737093 | 6035116 | 53.31% | 3.501% |
| 63 | 23.339 | 3451 | 3460 | 3463 | rBV2 | 3223715 | 6331866 | 55.93% | 3.674% |
| 64 | 23.380 | 3463 | 3467 | 3475 | rVV | 2955487 | 5408571 | 47.77% | 3.138% |
| 65 | 23.474 | 3475 | 3483 | 3494 | rVB | 2097371 | 3976470 | 35.12% | 2.307% |
| 66 | 23.998 | 3566 | 3572 | 3580 | rVB | 249372 | 494376 | 4.37% | 0.287% |
| 67 | 24.727 | 3690 | 3696 | 3704 | rBV | 155165 | 346010 | 3.06% | 0.201% |
| 68 | 25.586 | 3837 | 3842 | 3848 | rVB3 | 81729 | 183937 | 1.62% | 0.107% |
| 69 | 25.704 | 3849 | 3862 | 3877 | rVV2 | 3760176 | 10551172 | 93.19% | 6.122% |

Sum of corrected areas: 172360000

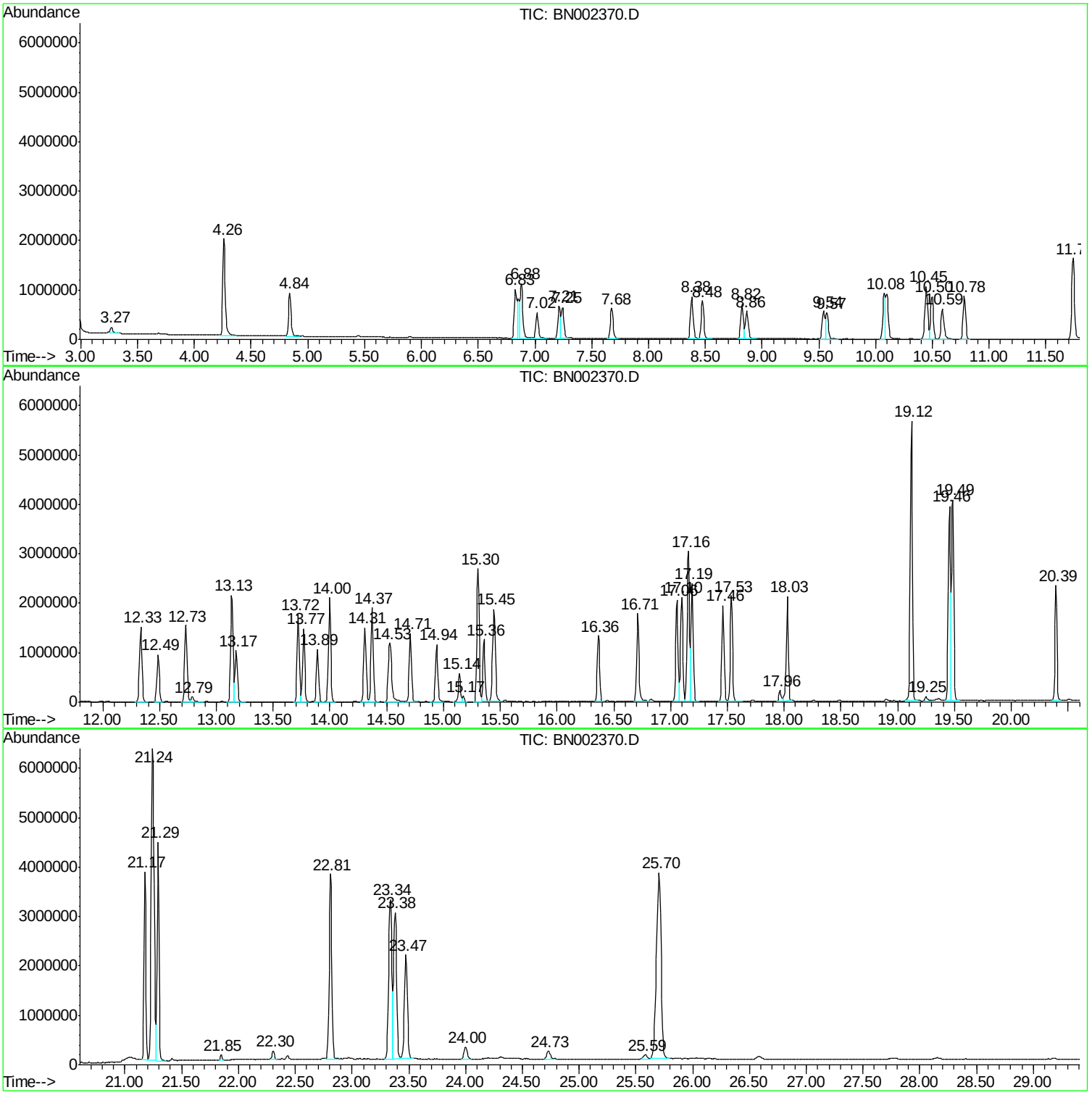
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

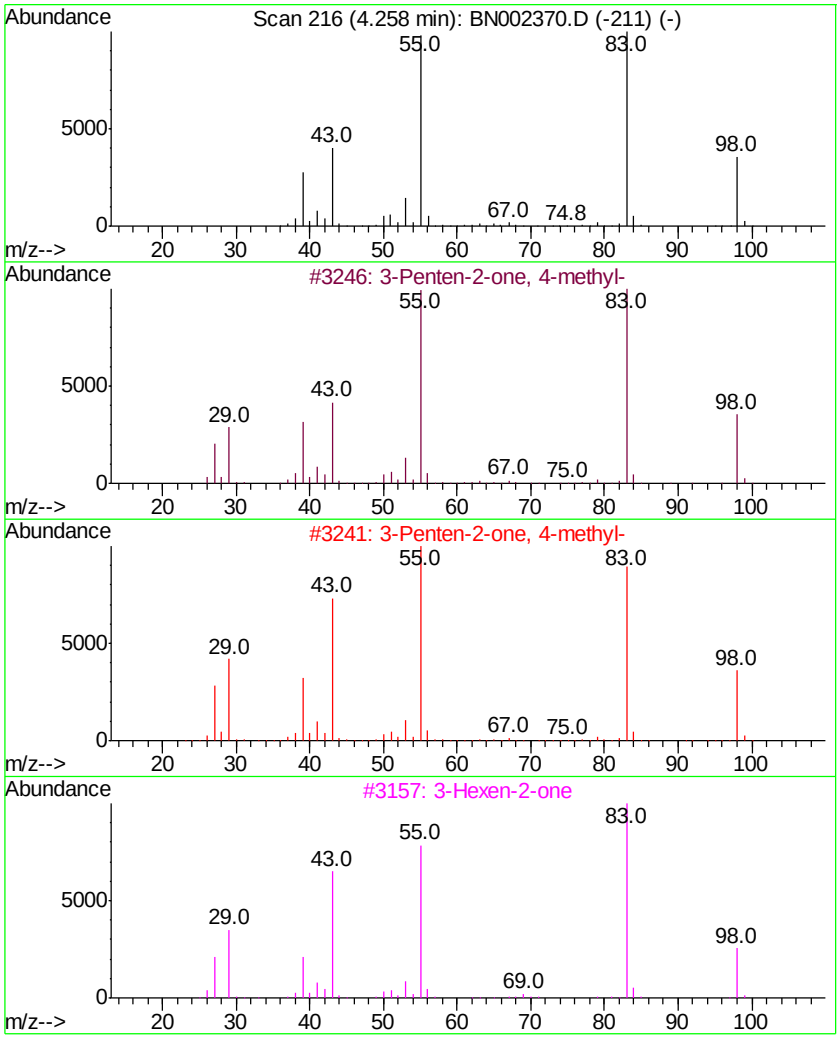
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

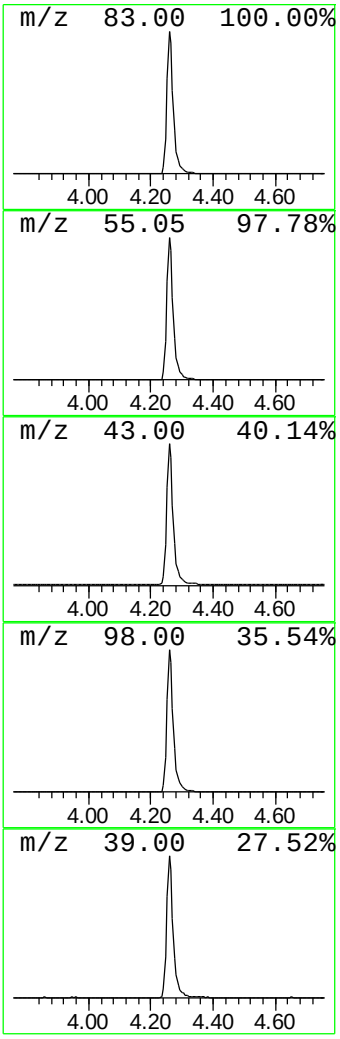
**********

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.26 | 56.99 ng/ul | 2899830 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 95 |
| 2 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 3 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 4 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 90 |
| 5 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

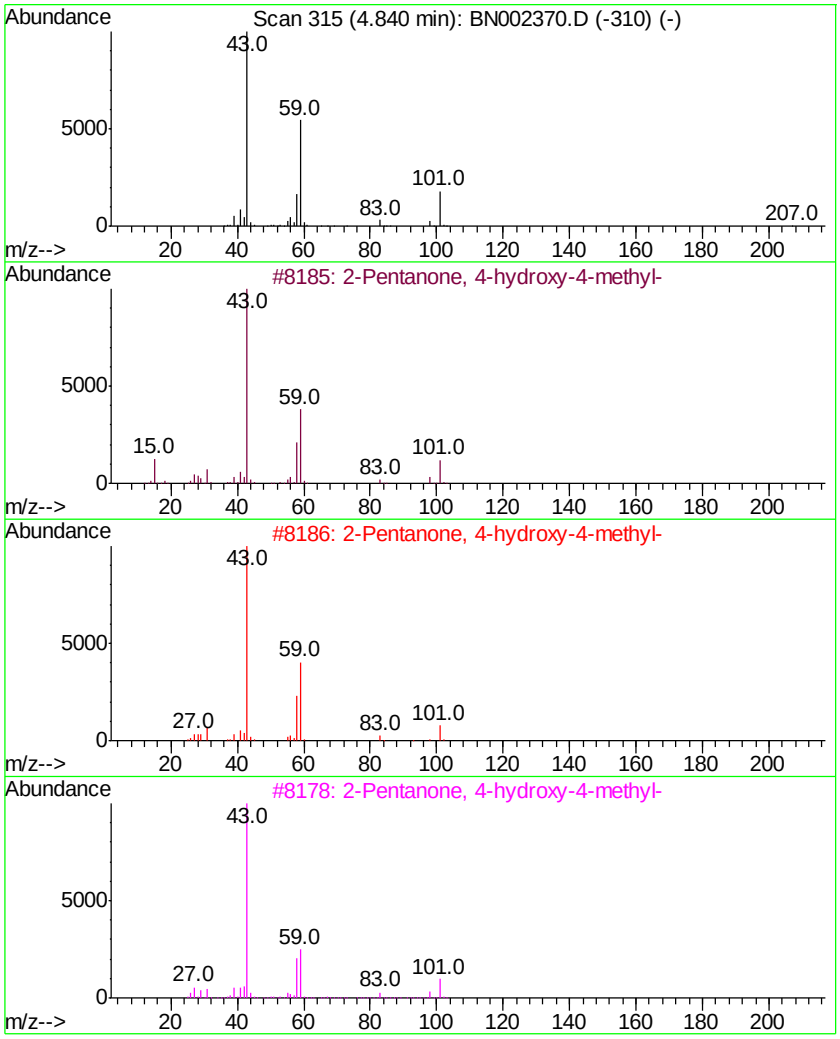
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

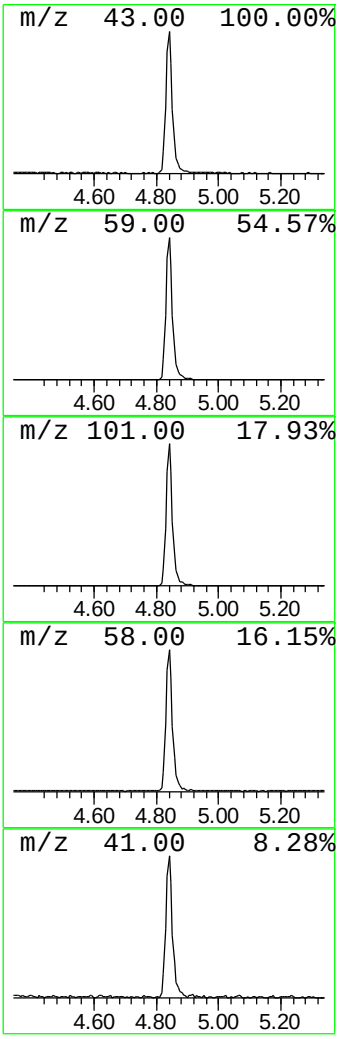
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.84 | 25.71 ng/ul | 1308230 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 4 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

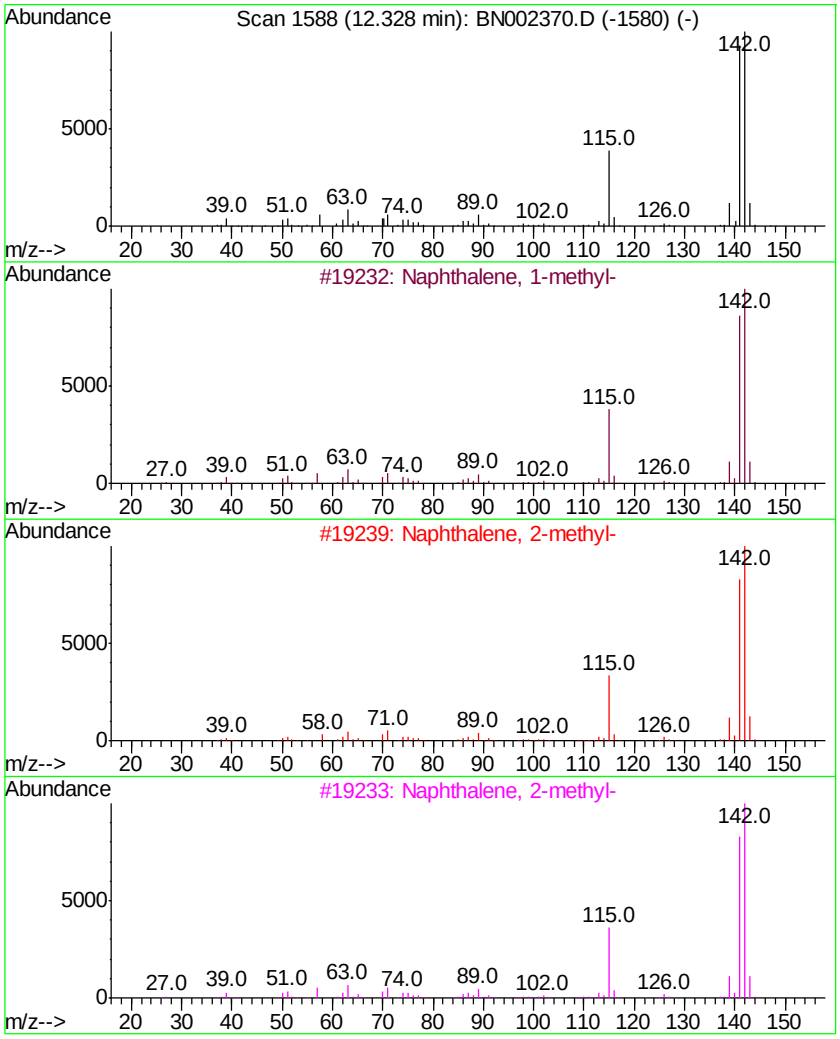
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

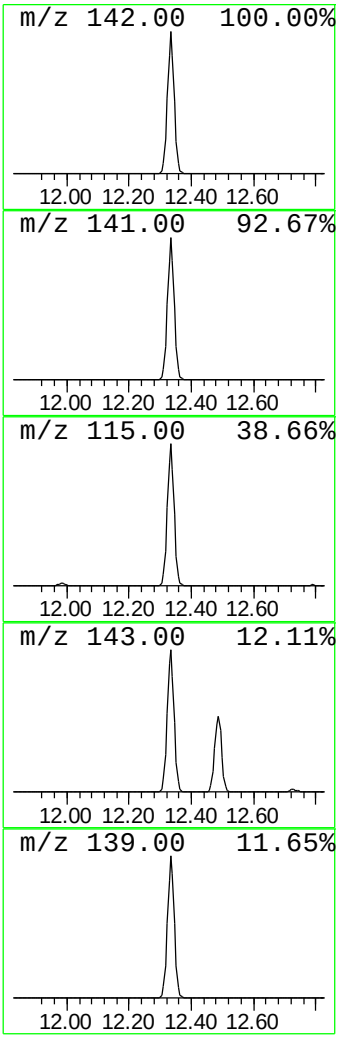
**********

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.33 | 24.63 ng/ul | 2350130 | Naphthalene-d8 | 10.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

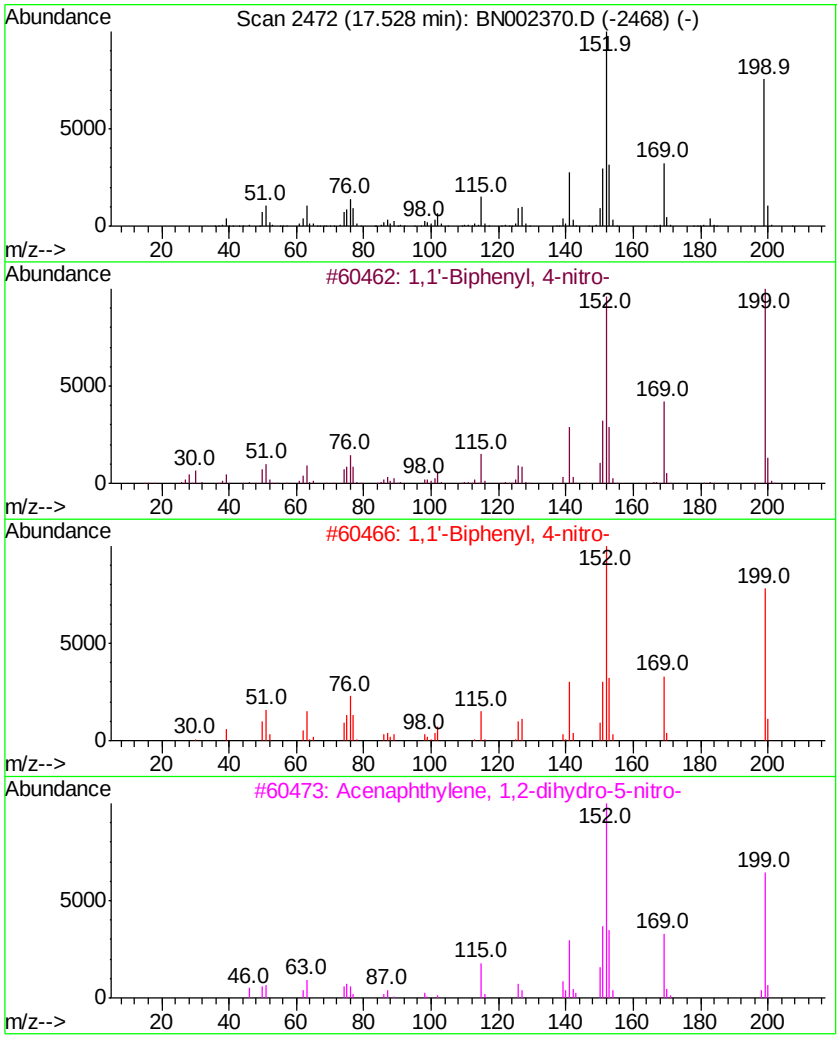
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

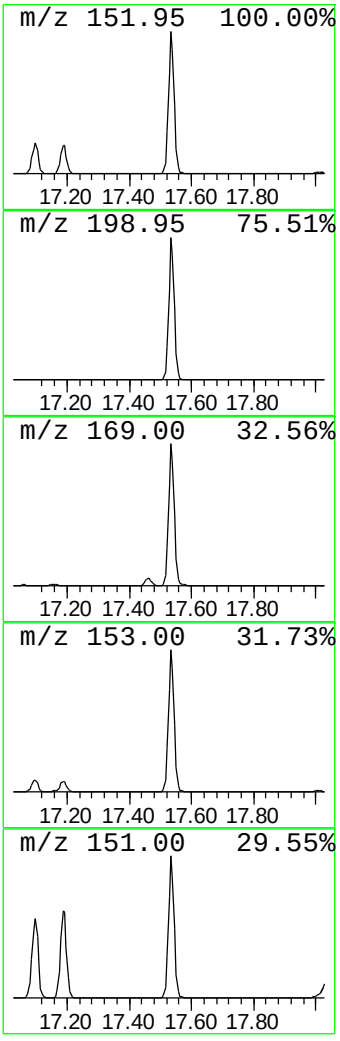
**********

Peak Number 4 1,1'-Biphenyl, 4-nitro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.53 | 18.67 ng/ul | 2792150 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 4-nitro- | 199 | C12H9NO2 | 000092-93-3 | 99 |
| 2 | 1,1'-Biphenyl, 4-nitro- | 199 | C12H9NO2 | 000092-93-3 | 98 |
| 3 | Acenaphthylene, 1,2-dihydro-5-ni... | 199 | C12H9NO2 | 000602-87-9 | 93 |
| 4 | 1,1'-Biphenyl, 3-nitro- | 199 | C12H9NO2 | 002113-58-8 | 90 |
| 5 | Acenaphthylene, 1,2-dihydro-5-ni... | 199 | C12H9NO2 | 000602-87-9 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

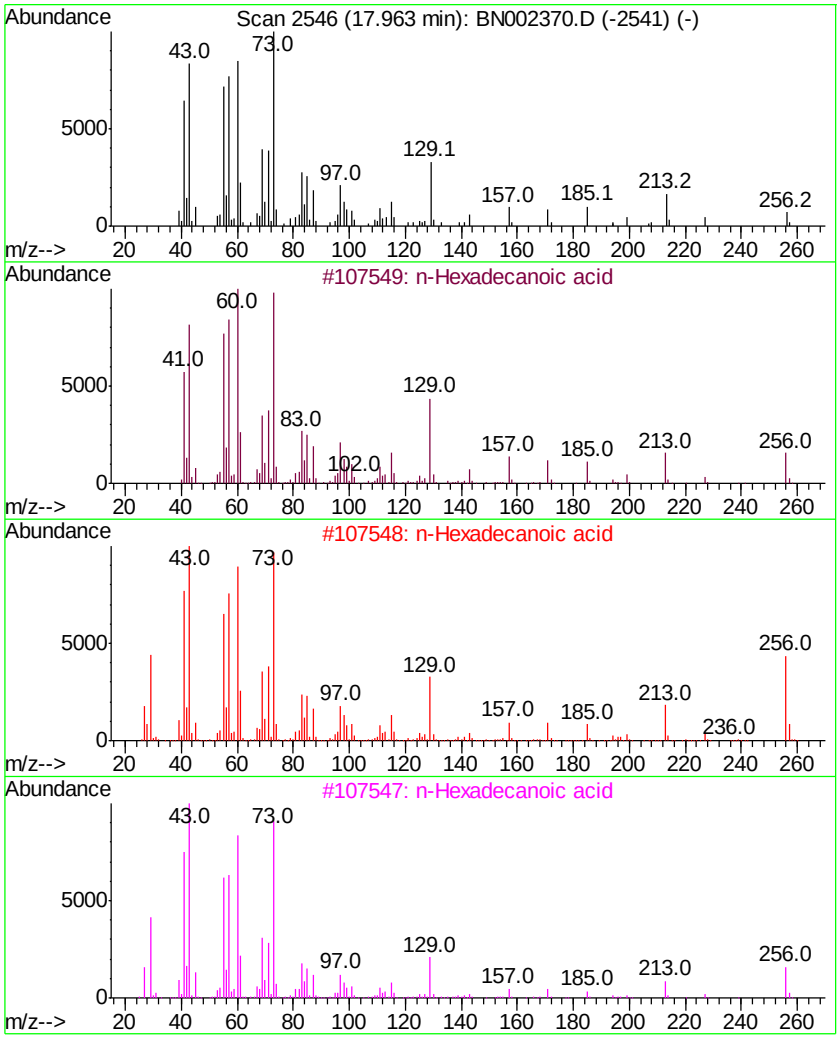
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

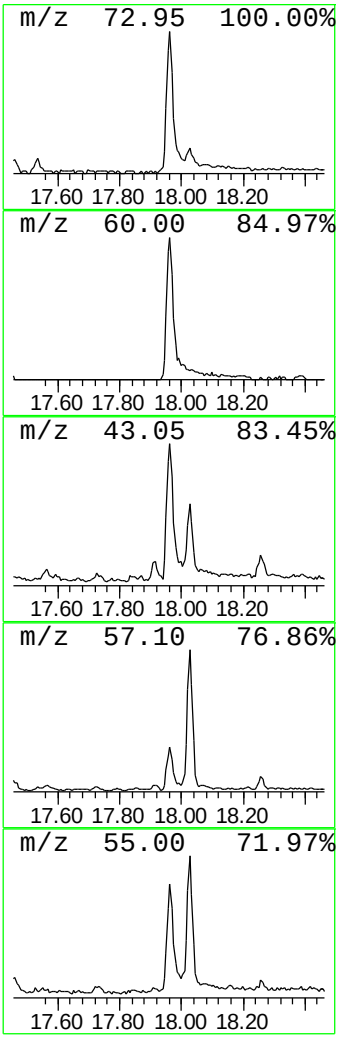
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 2.10 ng/ul | 313594 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
Sample : J4424-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

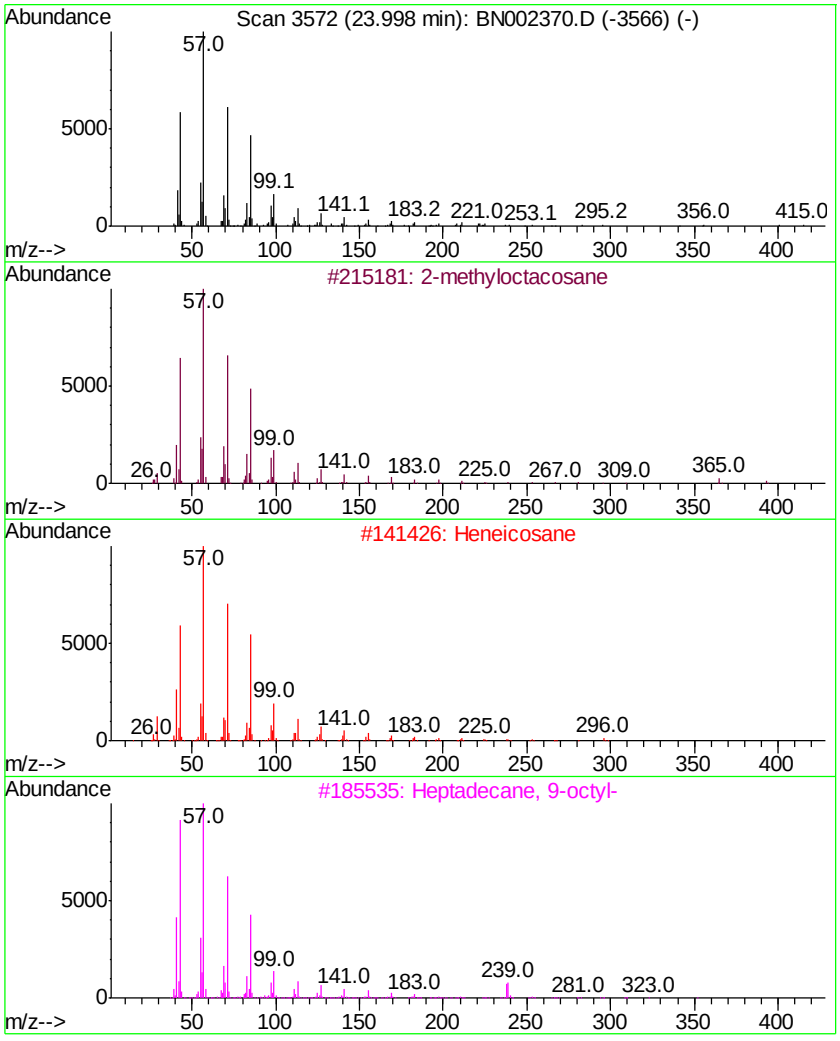
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

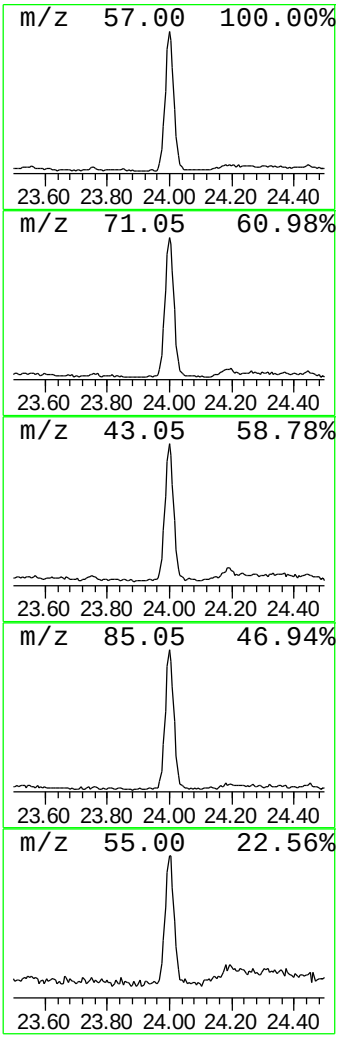
**********

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.00 | 2.49 ng/ul | 494376 | Perylene-d12 | 23.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081718\
Data File : BN002370.D
Acq On : 17 Aug 2018 09:33
Operator : JU/SJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A3YQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 3-Penten-2-one, 4... | 4.26 | 57.0 | ng/ul | 2899830 | 1 | 7.68 | 1017610 | 20.0 |
| 2-Pentanone, 4-hy... | 4.84 | 25.7 | ng/ul | 1308230 | 1 | 7.68 | 1017610 | 20.0 |
| Naphthalene, 1-me... | 12.33 | 24.6 | ng/ul | 2350130 | 2 | 10.45 | 1908440 | 20.0 |
| 1,1'-Biphenyl, 4-... | 17.53 | 18.7 | ng/ul | 2792150 | 4 | 17.06 | 2991330 | 20.0 |
| n-Hexadecanoic acid | 17.96 | 2.1 | ng/ul | 313594 | 4 | 17.06 | 2991330 | 20.0 |
| (DEL) Alkane: Str... | 24.00 | 2.5 | ng/ul | 494376 | 6 | 23.47 | 3976470 | 20.0 |