LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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 | 4.751 | 295 | 300 | 306 | rBV | 230661 | 317907 | 13.56% | 1.293% |
| 2 | 5.945 | 496 | 503 | 515 | rBV | 672460 | 1011030 | 43.12% | 4.112% |
| 3 | 6.792 | 642 | 647 | 648 | rBV2 | 21277 | 29926 | 1.28% | 0.122% |
| 4 | 6.939 | 668 | 672 | 678 | rBV4 | 23510 | 38757 | 1.65% | 0.158% |
| 5 | 7.128 | 699 | 704 | 708 | rBV3 | 29229 | 49599 | 2.12% | 0.202% |
| 6 | 7.204 | 712 | 717 | 720 | rBV2 | 30262 | 42539 | 1.81% | 0.173% |
| 7 | 7.581 | 773 | 781 | 789 | rBV | 580371 | 970720 | 41.40% | 3.948% |
| 8 | 8.069 | 859 | 864 | 869 | rBV4 | 31500 | 52714 | 2.25% | 0.214% |
| 9 | 8.222 | 884 | 890 | 896 | rBV5 | 24212 | 46380 | 1.98% | 0.189% |
| 10 | 8.328 | 901 | 908 | 914 | rBV4 | 28959 | 61215 | 2.61% | 0.249% |
| 11 | 8.751 | 975 | 980 | 984 | rBV5 | 26959 | 52606 | 2.24% | 0.214% |
| 12 | 8.792 | 984 | 987 | 996 | rVB2 | 51851 | 88869 | 3.79% | 0.361% |
| 13 | 9.469 | 1098 | 1102 | 1111 | rVB8 | 20994 | 45076 | 1.92% | 0.183% |
| 14 | 9.780 | 1149 | 1155 | 1161 | rVB9 | 15630 | 32521 | 1.39% | 0.132% |
| 15 | 10.022 | 1190 | 1196 | 1199 | rBV5 | 22500 | 38767 | 1.65% | 0.158% |
| 16 | 10.357 | 1242 | 1253 | 1259 | rBV | 747061 | 1381052 | 58.90% | 5.617% |
| 17 | 10.410 | 1259 | 1262 | 1268 | rVB | 102679 | 168685 | 7.19% | 0.686% |
| 18 | 10.657 | 1299 | 1304 | 1311 | rVB7 | 24250 | 45513 | 1.94% | 0.185% |
| 19 | 10.733 | 1311 | 1317 | 1322 | rBV7 | 21126 | 36258 | 1.55% | 0.147% |
| 20 | 10.969 | 1353 | 1357 | 1362 | rBV8 | 15820 | 26818 | 1.14% | 0.109% |
| 21 | 11.192 | 1388 | 1395 | 1400 | rBV8 | 10990 | 24302 | 1.04% | 0.099% |
| 22 | 11.275 | 1402 | 1409 | 1413 | rVV6 | 18240 | 36364 | 1.55% | 0.148% |
| 23 | 11.380 | 1421 | 1427 | 1431 | rBV3 | 38305 | 65233 | 2.78% | 0.265% |
| 24 | 11.469 | 1437 | 1442 | 1447 | rVB6 | 17676 | 30324 | 1.29% | 0.123% |
| 25 | 11.786 | 1491 | 1496 | 1501 | rBV3 | 118737 | 179715 | 7.67% | 0.731% |
| 26 | 12.033 | 1530 | 1538 | 1546 | rBV | 145491 | 245457 | 10.47% | 0.998% |
| 27 | 12.257 | 1567 | 1576 | 1584 | rBV2 | 87099 | 162485 | 6.93% | 0.661% |
| 28 | 12.333 | 1584 | 1589 | 1594 | rBV4 | 17476 | 28003 | 1.19% | 0.114% |
| 29 | 12.439 | 1598 | 1607 | 1608 | rBV5 | 15488 | 24388 | 1.04% | 0.099% |
| 30 | 12.621 | 1633 | 1638 | 1642 | rBV3 | 19640 | 30677 | 1.31% | 0.125% |
| 31 | 12.704 | 1648 | 1652 | 1655 | rBV5 | 24528 | 33751 | 1.44% | 0.137% |
| 32 | 12.757 | 1658 | 1661 | 1667 | rVB6 | 43715 | 65767 | 2.81% | 0.267% |
| 33 | 13.057 | 1705 | 1712 | 1719 | rBV3 | 191116 | 316138 | 13.48% | 1.286% |
| 34 | 13.263 | 1742 | 1747 | 1749 | rVV | 45178 | 61732 | 2.63% | 0.251% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.286 | 1749 | 1751 | 1756 | rVB5 | 33669 | 42654 | 1.82% | 0.173% |
| 36 | 13.410 | 1762 | 1772 | 1781 | rBV4 | 95939 | 278300 | 11.87% | 1.132% |
| 37 | 13.551 | 1789 | 1796 | 1802 | rBV2 | 121938 | 254141 | 10.84% | 1.034% |
| 38 | 13.610 | 1802 | 1806 | 1809 | rVV | 79848 | 141453 | 6.03% | 0.575% |
| 39 | 13.657 | 1811 | 1814 | 1818 | rVV | 73656 | 112926 | 4.82% | 0.459% |
| 40 | 13.721 | 1818 | 1825 | 1829 | rVB4 | 71067 | 122007 | 5.20% | 0.496% |
| 41 | 13.763 | 1829 | 1832 | 1834 | rBV4 | 28063 | 37726 | 1.61% | 0.153% |
| 42 | 13.798 | 1834 | 1838 | 1841 | rVB | 28343 | 38410 | 1.64% | 0.156% |
| 43 | 13.927 | 1856 | 1860 | 1864 | rBV | 88186 | 133077 | 5.68% | 0.541% |
| 44 | 13.957 | 1864 | 1865 | 1869 | rVB2 | 31414 | 31033 | 1.32% | 0.126% |
| 45 | 14.139 | 1891 | 1896 | 1902 | rBV | 217379 | 277417 | 11.83% | 1.128% |
| 46 | 14.233 | 1902 | 1912 | 1919 | rBV3 | 1109498 | 2344615 | 100.00% | 9.536% |
| 47 | 14.298 | 1919 | 1923 | 1932 | rVB2 | 138966 | 219507 | 9.36% | 0.893% |
| 48 | 14.380 | 1932 | 1937 | 1944 | rVB7 | 42077 | 68718 | 2.93% | 0.280% |
| 49 | 14.457 | 1944 | 1950 | 1953 | rBV4 | 51678 | 98775 | 4.21% | 0.402% |
| 50 | 14.533 | 1959 | 1963 | 1965 | rBV5 | 26096 | 37769 | 1.61% | 0.154% |
| 51 | 14.592 | 1969 | 1973 | 1974 | rVV3 | 45341 | 52463 | 2.24% | 0.213% |
| 52 | 14.645 | 1978 | 1982 | 1989 | rVB | 149419 | 225999 | 9.64% | 0.919% |
| 53 | 14.721 | 1989 | 1995 | 1999 | rVB3 | 53503 | 87776 | 3.74% | 0.357% |
| 54 | 14.768 | 1999 | 2003 | 2007 | rBV7 | 41839 | 68022 | 2.90% | 0.277% |
| 55 | 14.886 | 2015 | 2023 | 2026 | rBV6 | 66205 | 148546 | 6.34% | 0.604% |
| 56 | 15.021 | 2038 | 2046 | 2047 | rBV8 | 33382 | 68755 | 2.93% | 0.280% |
| 57 | 15.098 | 2055 | 2059 | 2064 | rVB | 219078 | 273096 | 11.65% | 1.111% |
| 58 | 15.239 | 2078 | 2083 | 2087 | rBV | 106081 | 146653 | 6.25% | 0.596% |
| 59 | 15.292 | 2087 | 2092 | 2097 | rVB | 118781 | 161552 | 6.89% | 0.657% |
| 60 | 15.345 | 2097 | 2101 | 2105 | rBV7 | 29499 | 46511 | 1.98% | 0.189% |
| 61 | 15.410 | 2105 | 2112 | 2116 | rBV10 | 26932 | 53019 | 2.26% | 0.216% |
| 62 | 15.504 | 2123 | 2128 | 2133 | rBV4 | 68285 | 99971 | 4.26% | 0.407% |
| 63 | 15.598 | 2140 | 2144 | 2151 | rVB6 | 38131 | 72513 | 3.09% | 0.295% |
| 64 | 15.657 | 2151 | 2154 | 2157 | rVV4 | 19572 | 29405 | 1.25% | 0.120% |
| 65 | 15.710 | 2157 | 2163 | 2168 | rVV | 392035 | 577559 | 24.63% | 2.349% |
| 66 | 15.745 | 2168 | 2169 | 2176 | rVV7 | 23549 | 31631 | 1.35% | 0.129% |
| 67 | 15.804 | 2176 | 2179 | 2187 | rVB10 | 24553 | 45833 | 1.95% | 0.186% |
| 68 | 15.962 | 2202 | 2206 | 2214 | rBV2 | 218112 | 417923 | 17.82% | 1.700% |
| 69 | 16.033 | 2214 | 2218 | 2222 | rVB | 208149 | 272429 | 11.62% | 1.108% |
| 70 | 16.298 | 2256 | 2263 | 2267 | rBV10 | 30867 | 67330 | 2.87% | 0.274% |
| 71 | 16.351 | 2267 | 2272 | 2278 | rVB9 | 25386 | 62733 | 2.68% | 0.255% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.645 | 2316 | 2322 | 2332 | rBV | 1436015 | 2121292 | 90.48% | 8.628% |
| 73 | 16.756 | 2337 | 2341 | 2346 | rVV2 | 187310 | 284763 | 12.15% | 1.158% |
| 74 | 16.809 | 2346 | 2350 | 2359 | rVB3 | 100695 | 169190 | 7.22% | 0.688% |
| 75 | 16.898 | 2362 | 2365 | 2369 | rVB2 | 43432 | 50672 | 2.16% | 0.206% |
| 76 | 16.992 | 2375 | 2381 | 2385 | rBV | 1163268 | 1692832 | 72.20% | 6.885% |
| 77 | 17.033 | 2385 | 2388 | 2393 | rVV | 450013 | 596495 | 25.44% | 2.426% |
| 78 | 17.092 | 2393 | 2398 | 2402 | rVV2 | 131848 | 226150 | 9.65% | 0.920% |
| 79 | 17.127 | 2402 | 2404 | 2409 | rVV | 72171 | 92891 | 3.96% | 0.378% |
| 80 | 17.215 | 2412 | 2419 | 2425 | rVV6 | 60161 | 117461 | 5.01% | 0.478% |
| 81 | 17.409 | 2447 | 2452 | 2462 | rVB5 | 51283 | 145927 | 6.22% | 0.594% |
| 82 | 17.498 | 2462 | 2467 | 2472 | rBV2 | 132249 | 191903 | 8.18% | 0.781% |
| 83 | 17.580 | 2477 | 2481 | 2485 | rVB5 | 29509 | 45120 | 1.92% | 0.184% |
| 84 | 17.715 | 2501 | 2504 | 2506 | rBV4 | 25026 | 29111 | 1.24% | 0.118% |
| 85 | 17.774 | 2511 | 2514 | 2517 | rBV5 | 22569 | 31325 | 1.34% | 0.127% |
| 86 | 17.868 | 2524 | 2530 | 2533 | rBV3 | 37908 | 70337 | 3.00% | 0.286% |
| 87 | 17.921 | 2535 | 2539 | 2546 | rVB3 | 47419 | 87528 | 3.73% | 0.356% |
| 88 | 18.009 | 2548 | 2554 | 2557 | rBV5 | 18504 | 32723 | 1.40% | 0.133% |
| 89 | 18.062 | 2559 | 2563 | 2567 | rBV2 | 56781 | 81485 | 3.48% | 0.331% |
| 90 | 18.186 | 2580 | 2584 | 2590 | rBV2 | 117196 | 143041 | 6.10% | 0.582% |
| 91 | 18.380 | 2612 | 2617 | 2622 | rBV7 | 32723 | 57621 | 2.46% | 0.234% |
| 92 | 18.798 | 2684 | 2688 | 2690 | rBV4 | 20365 | 28973 | 1.24% | 0.118% |
| 93 | 18.827 | 2690 | 2693 | 2697 | rVB | 99477 | 109090 | 4.65% | 0.444% |
| 94 | 19.062 | 2728 | 2733 | 2741 | rVB | 236071 | 352396 | 15.03% | 1.433% |
| 95 | 19.415 | 2785 | 2793 | 2800 | rBV3 | 221903 | 617874 | 26.35% | 2.513% |
| 96 | 19.950 | 2878 | 2884 | 2888 | rBV5 | 93967 | 131991 | 5.63% | 0.537% |
| 97 | 20.450 | 2966 | 2969 | 2973 | rBV3 | 61852 | 71314 | 3.04% | 0.290% |
| 98 | 20.915 | 3045 | 3048 | 3051 | rBV3 | 84966 | 88041 | 3.76% | 0.358% |
| 99 | 21.192 | 3090 | 3095 | 3101 | rBV | 1555370 | 2028730 | 86.53% | 8.252% |
| 100 | 23.380 | 3461 | 3467 | 3475 | rVB | 947085 | 1800228 | 76.78% | 7.322% |

Sum of corrected areas: 24586039

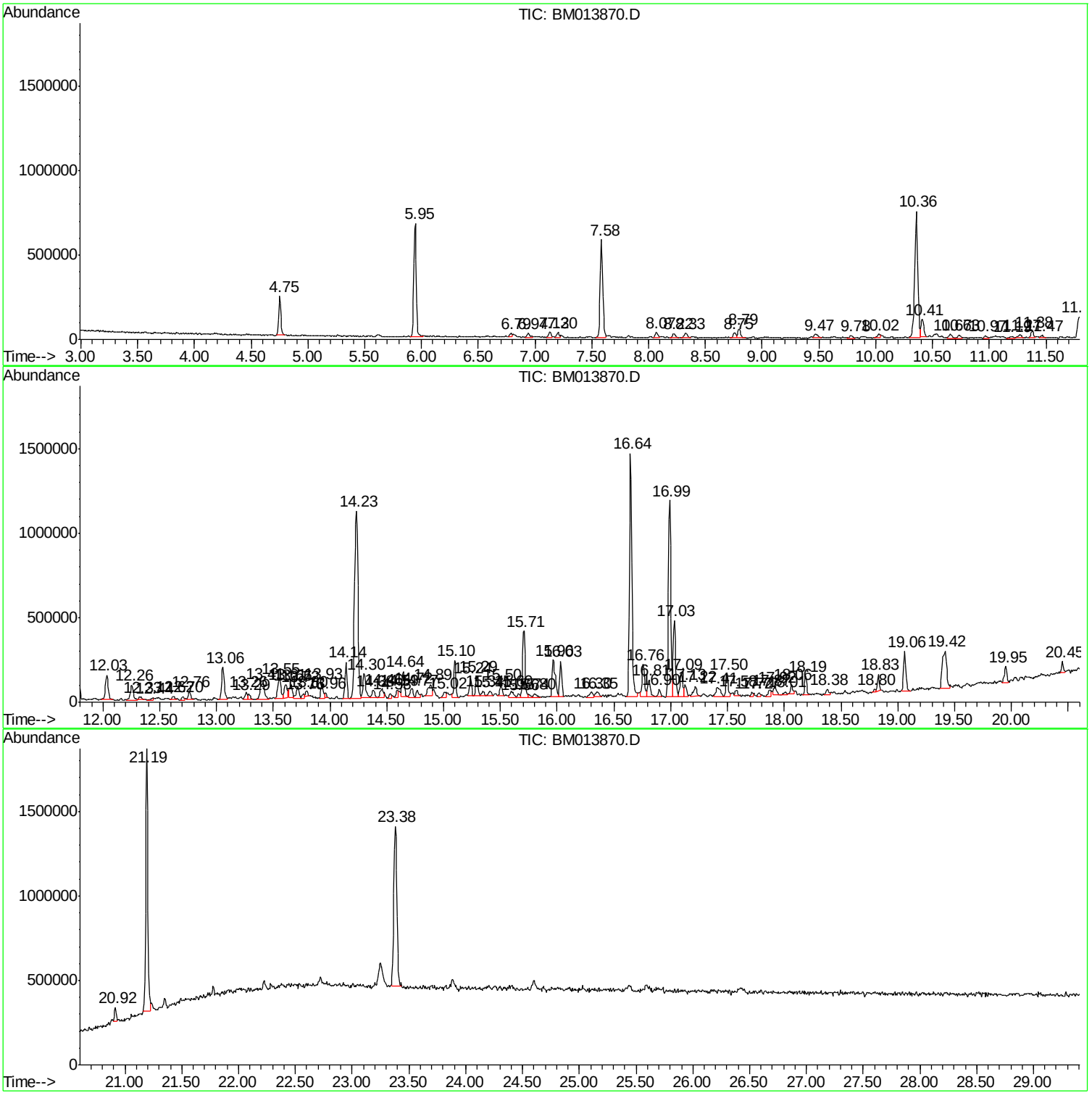
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

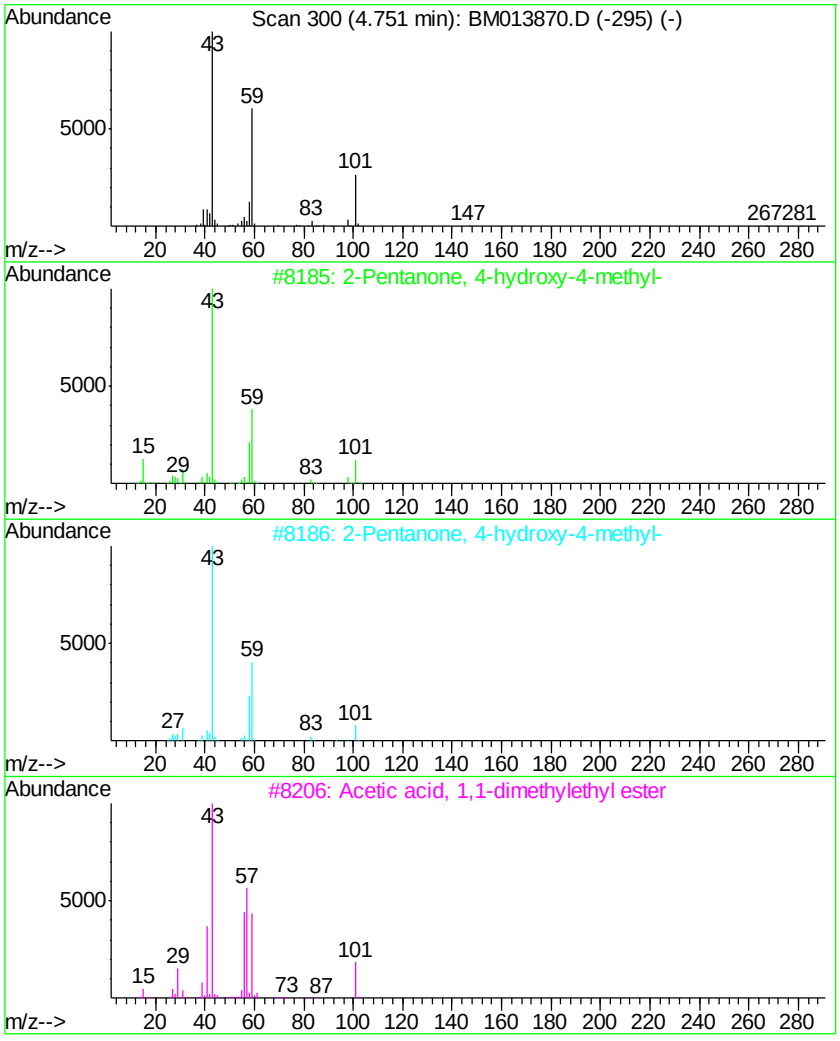
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

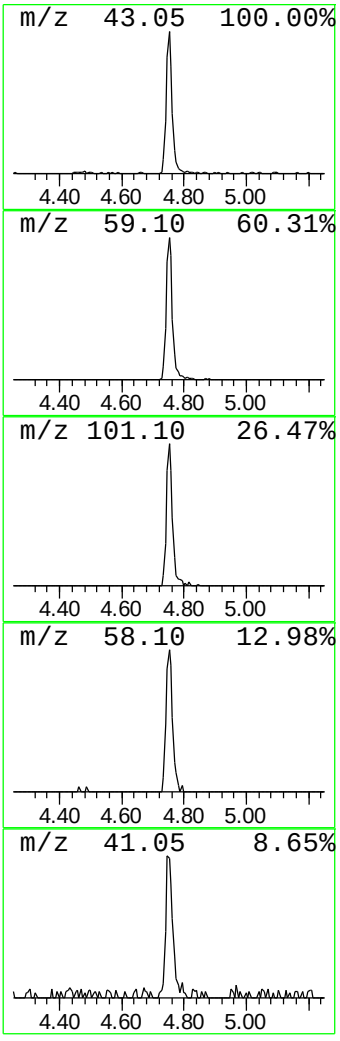
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.75 | 6.55 ng/ul | 317907 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 4 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 33 |
| 5 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 28 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

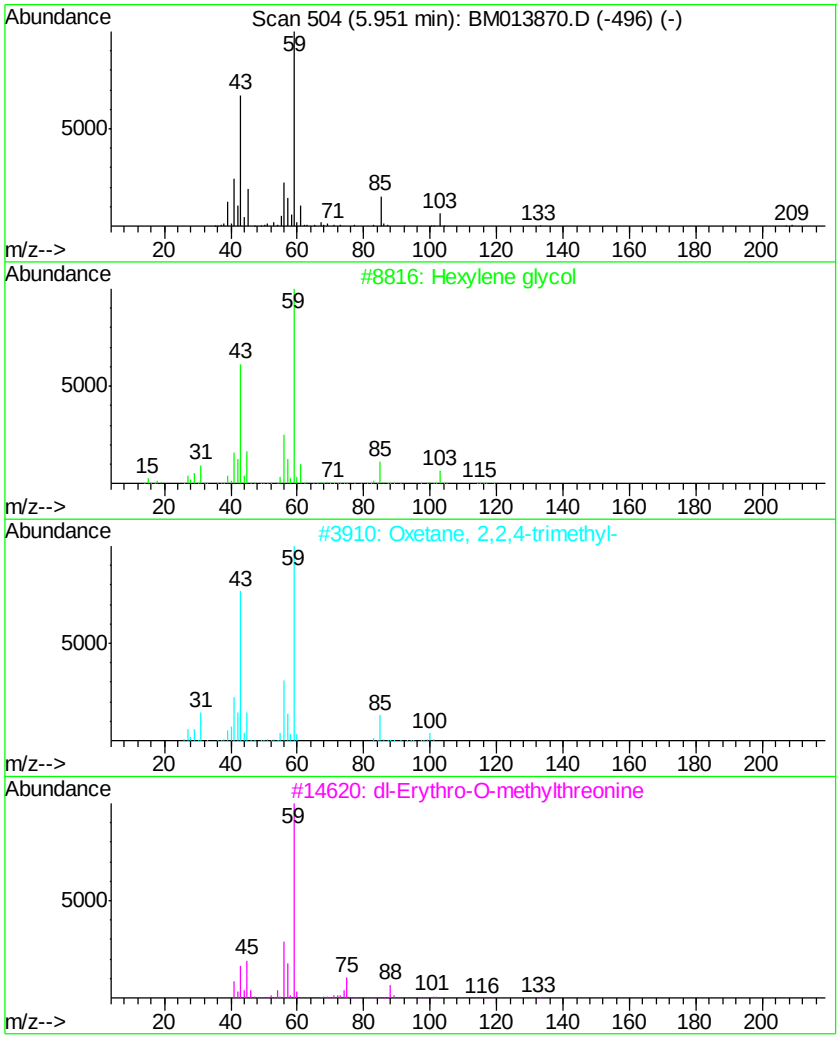
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

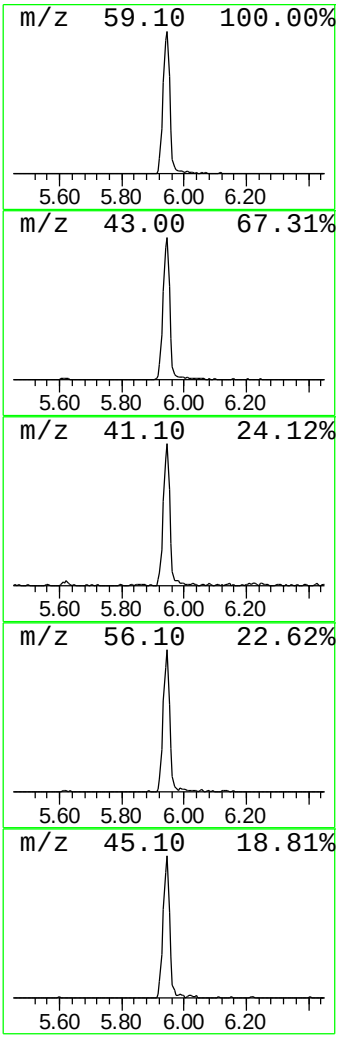
**********

Peak Number 2 Hexylene glycol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.95 | 20.83 ng/ul | 1011030 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexylene glycol | 118 | C6H14O2 | 000107-41-5 | 83 |
| 2 | Oxetane, 2,2,4-trimethyl- | 100 | C6H12O | 023120-44-7 | 72 |
| 3 | dl-Erythro-O-methylthreonine | 133 | C5H11NO3 | 1000214-70-7 | 64 |
| 4 | Hexylene glycol | 118 | C6H14O2 | 000107-41-5 | 59 |
| 5 | 1-(1-Methoxypropan-2-yloxy)propa... | 232 | C12H24O4 | 1000367-13-2 | 53 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

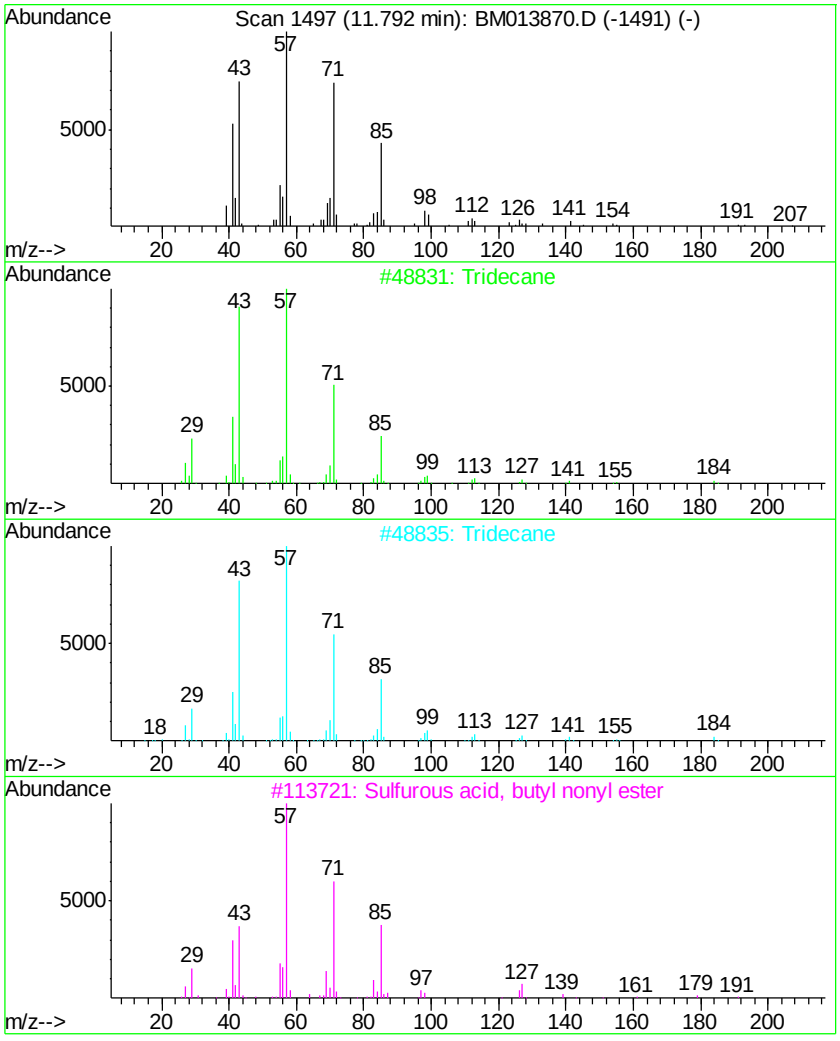
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

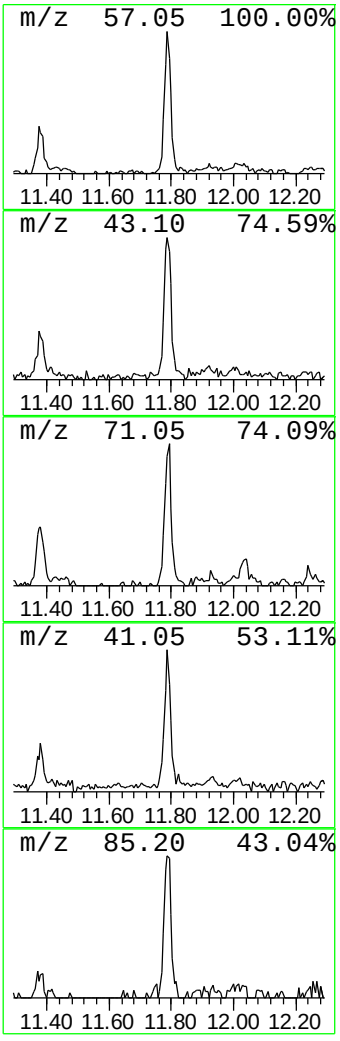
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 2.60 ng/ul | 179715 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 80 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 80 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

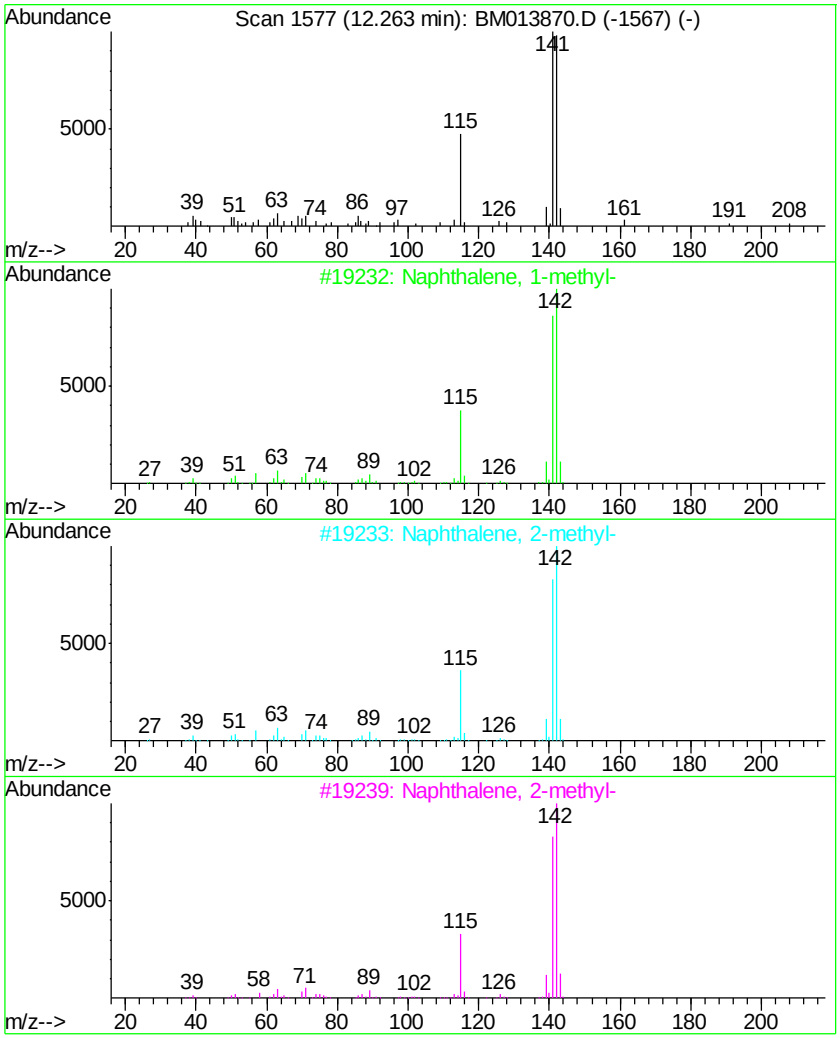
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

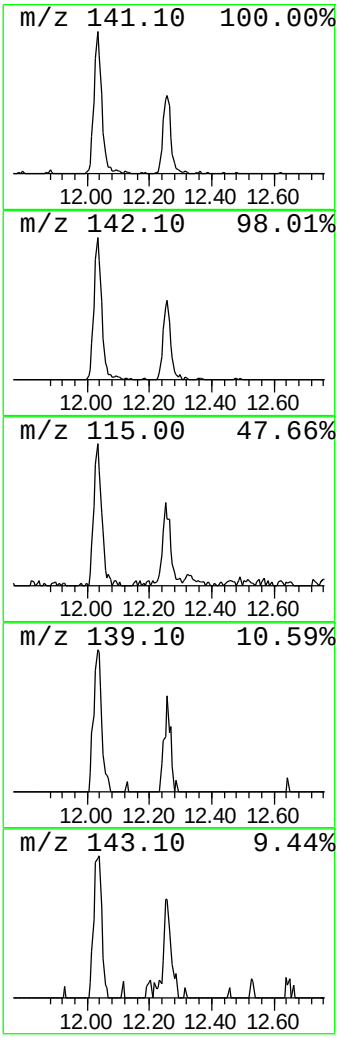
**********

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.26 | 2.35 ng/ul | 162485 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 97 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |
| 5 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

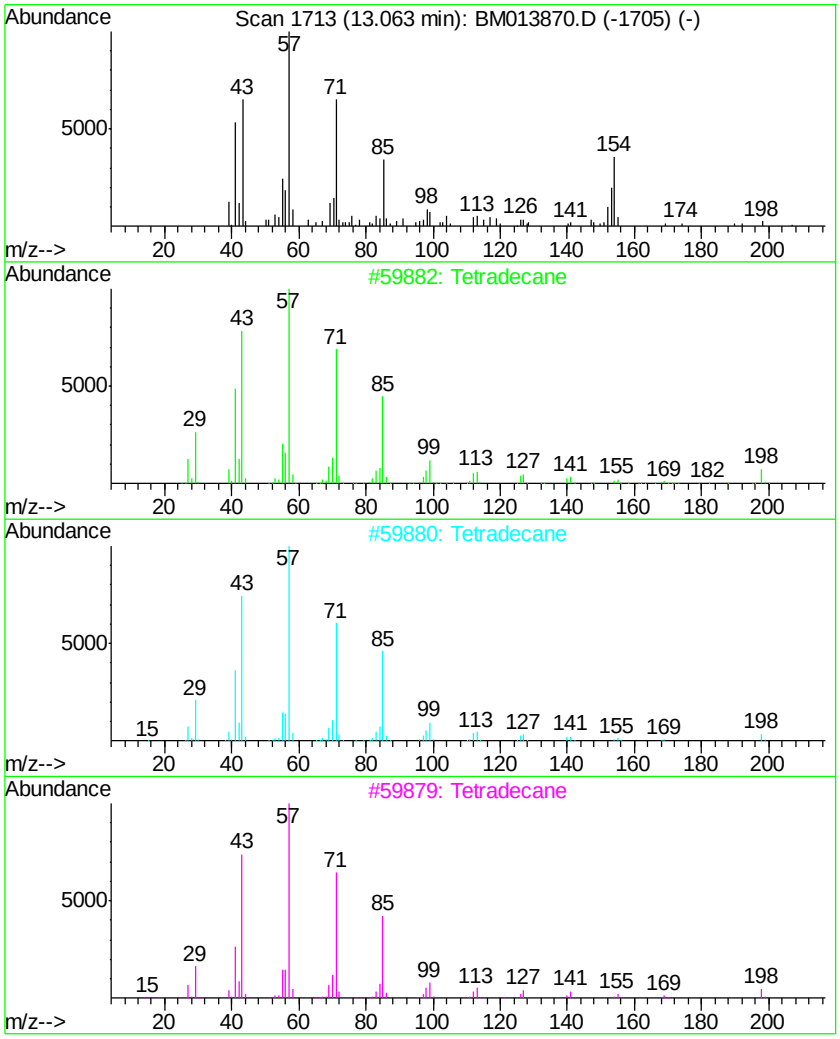
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

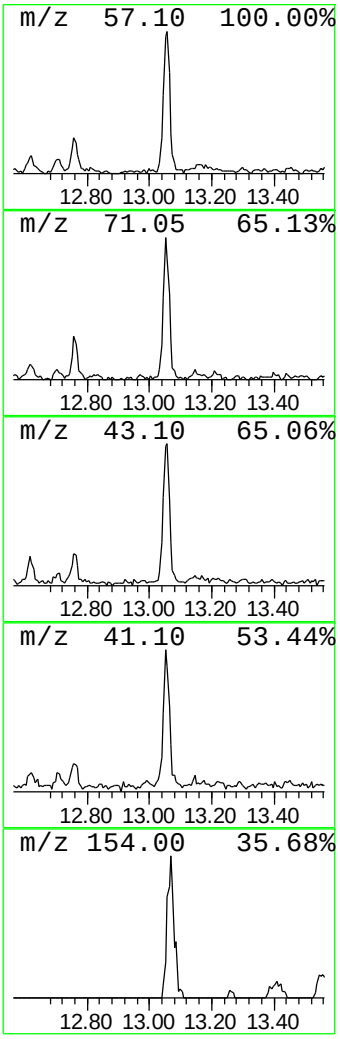
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.06 | 2.70 ng/ul | 316138 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 95 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 95 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 93 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 5 | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

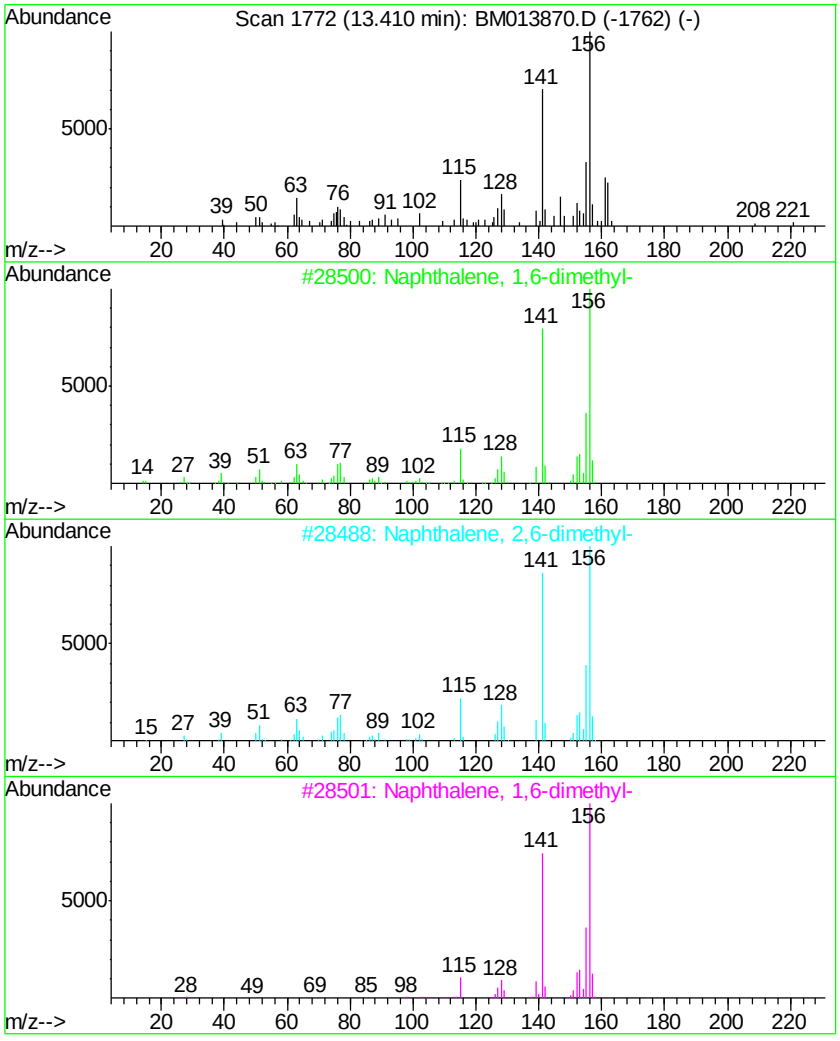
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

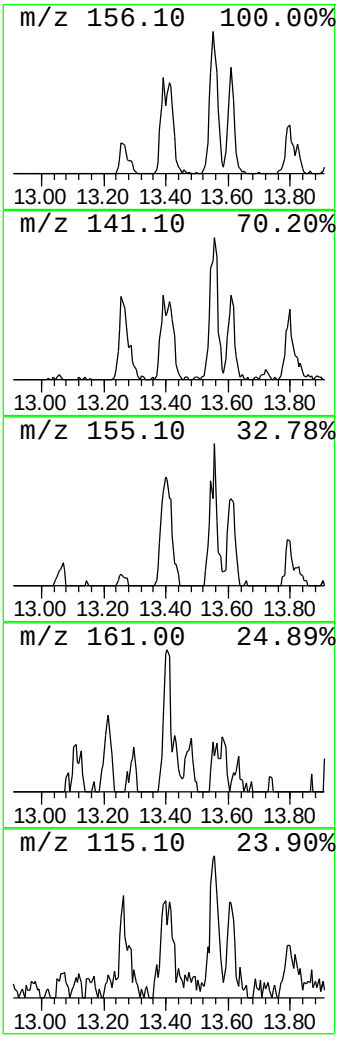
**********

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.41 | 2.37 ng/ul | 278300 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 93 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

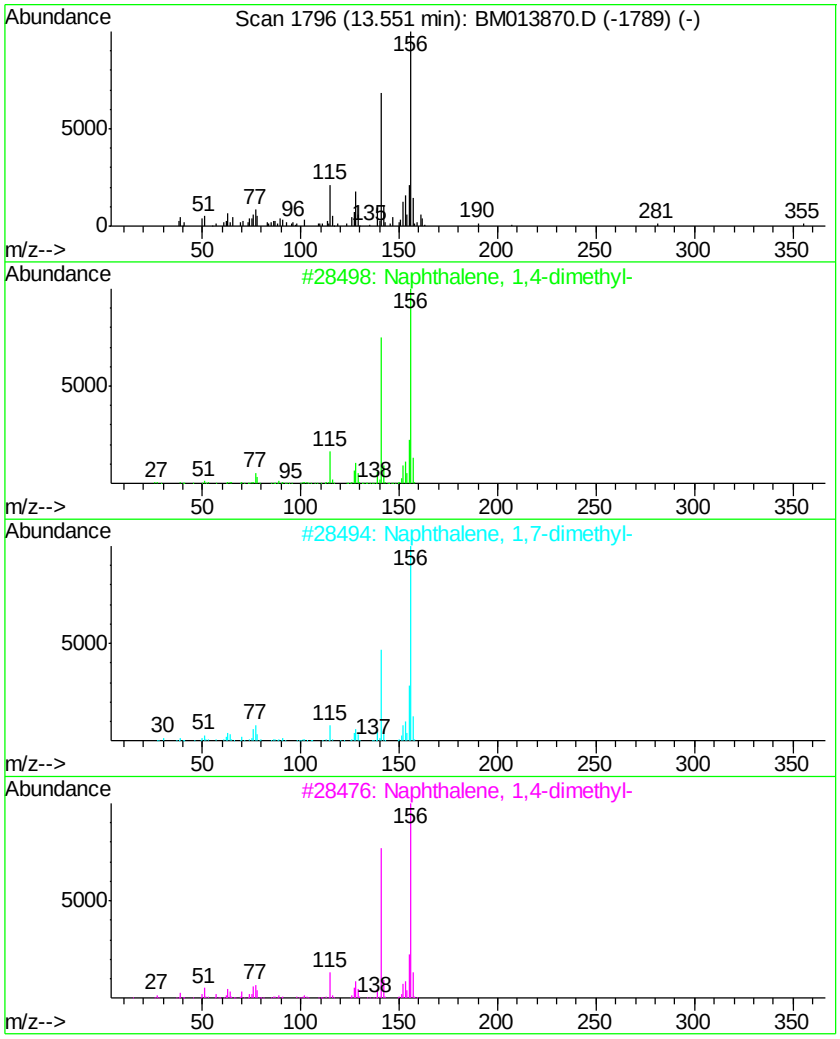
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

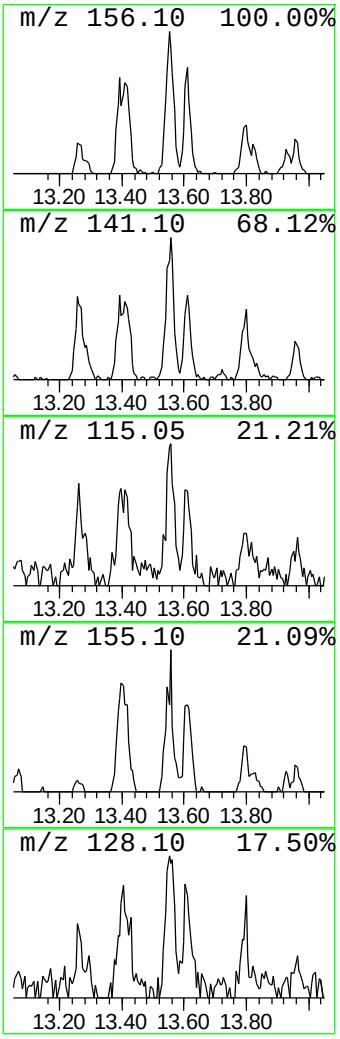
**********

Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.55 | 2.17 ng/ul | 254141 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 93 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 93 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 93 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

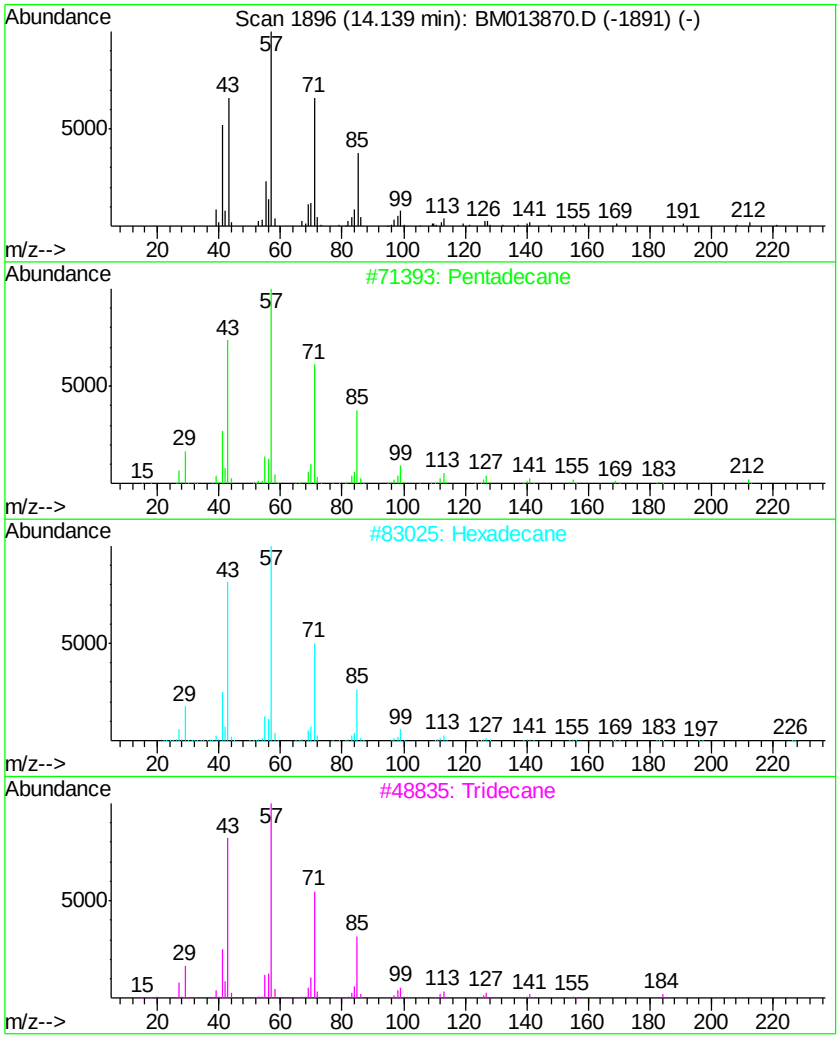
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

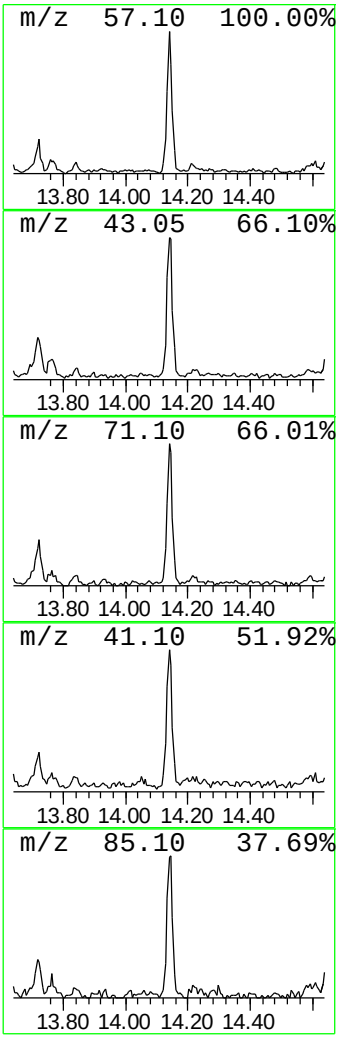
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 2.37 ng/ul | 277417 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 80 |
| 5 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 78 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

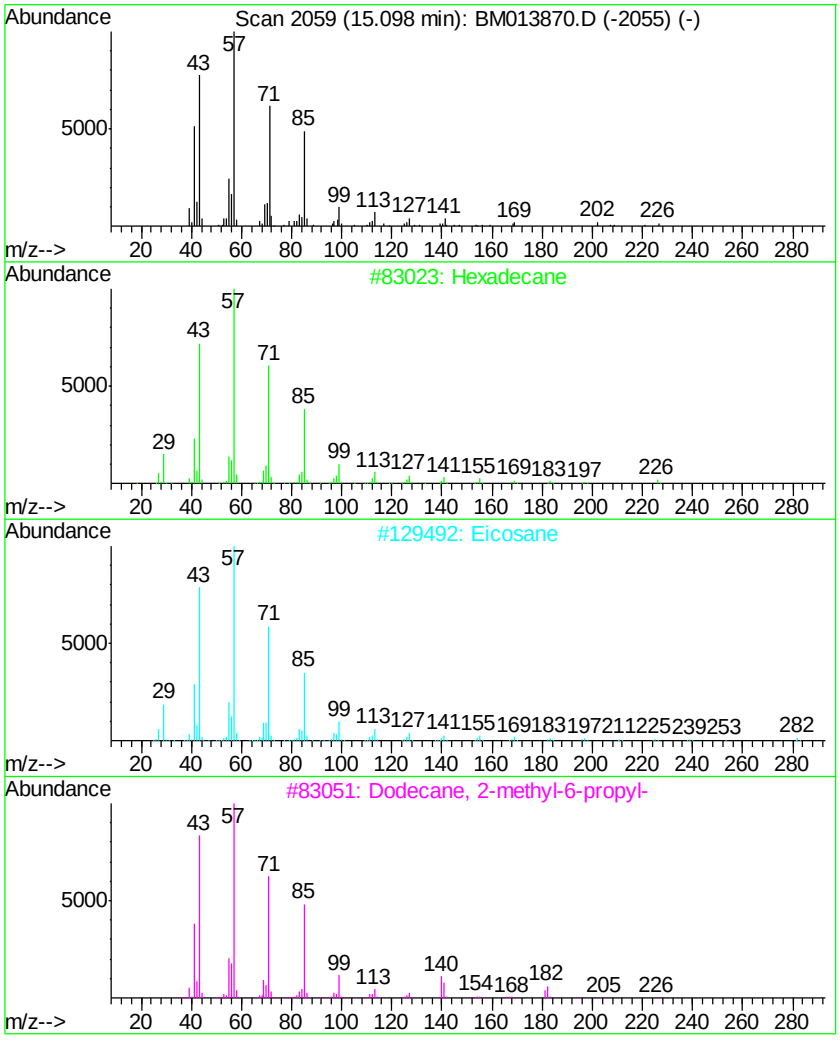
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

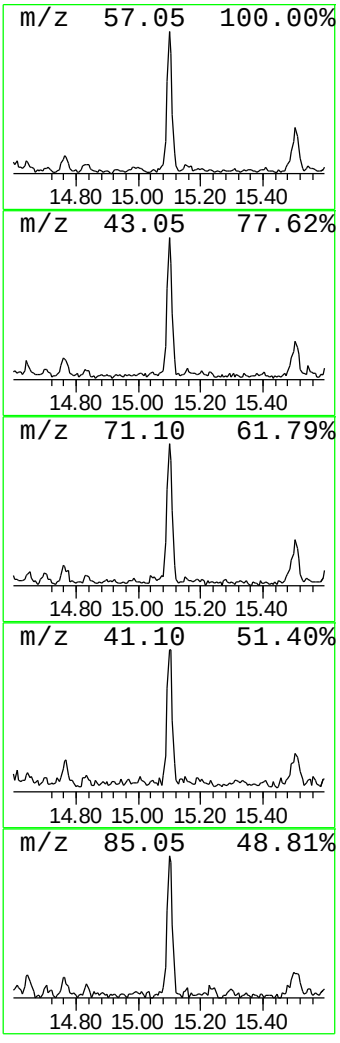
**********

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 2.33 ng/ul | 273096 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 3 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 86 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 81 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 76 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

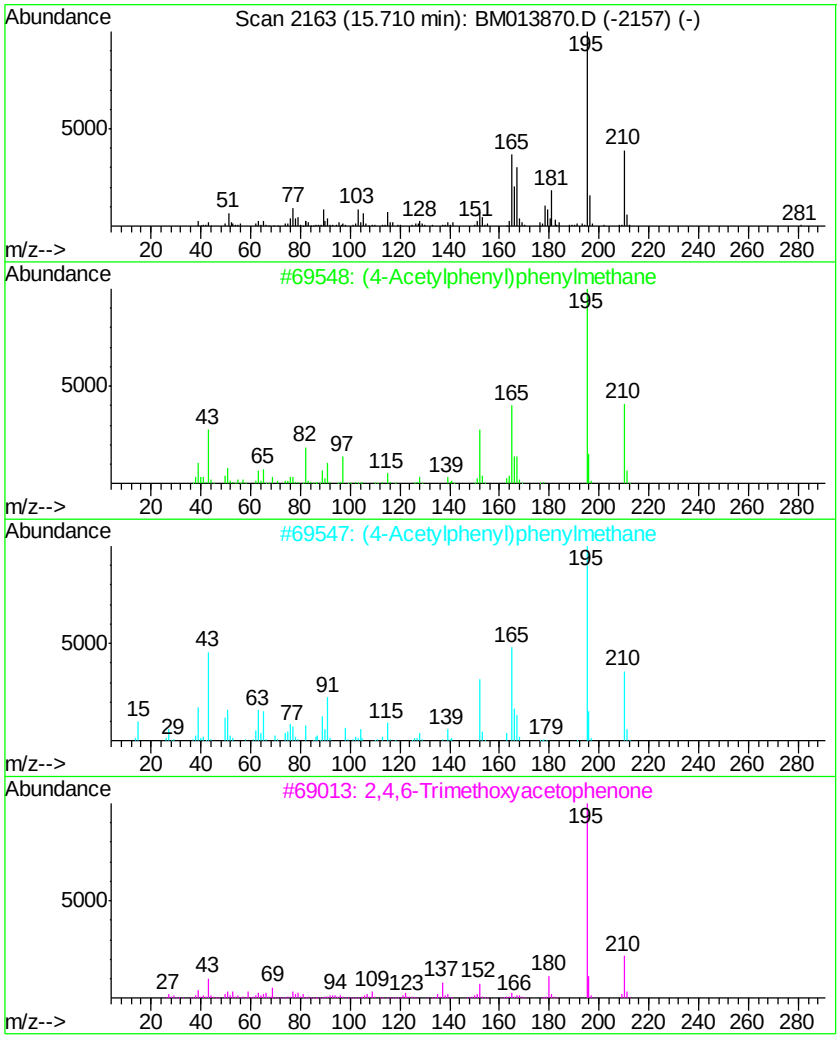
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

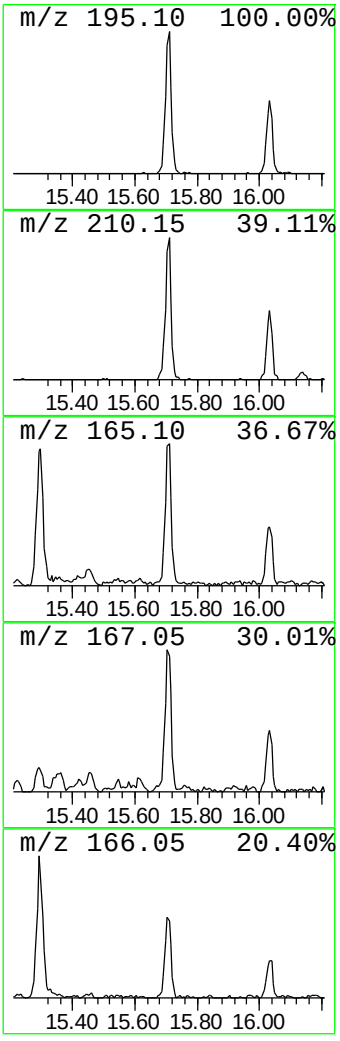
**********

Peak Number 10 (4-Acetylphenyl)phenylmethane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.71 | 6.82 ng/ul | 577559 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 68 |
| 2 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 68 |
| 3 | 2,4,6-Trimethoxyacetophenone | 210 | C11H14O4 | 000832-58-6 | 50 |
| 4 | 1-(4-Ethylpiperazin-1-yl)-2,2,2-... | 210 | C8H13F3N2O | 1000373-19-2 | 50 |
| 5 | 3-Acridinol | 195 | C13H9NO | 007132-70-9 | 49 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

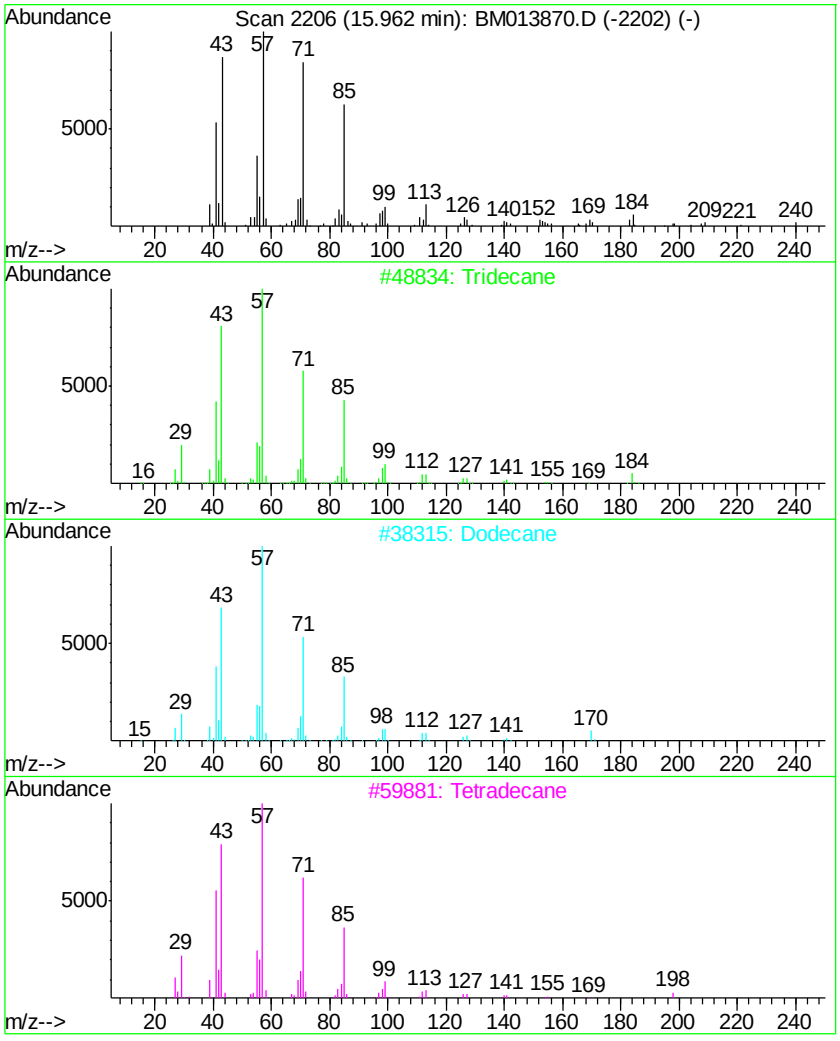
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

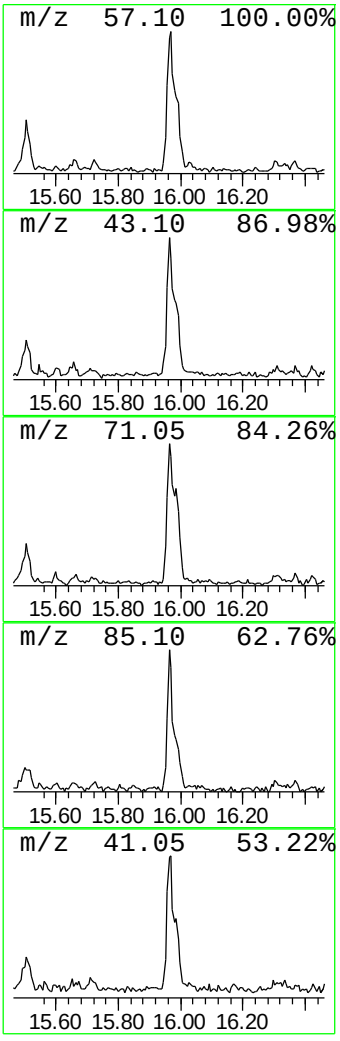
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 4.94 ng/ul | 417923 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Dodecane | 170 | C12H26 | 000112-40-3 | 87 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Heptadecane, 8-methyl- | 254 | C18H38 | 013287-23-5 | 80 |
| 5 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 64 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

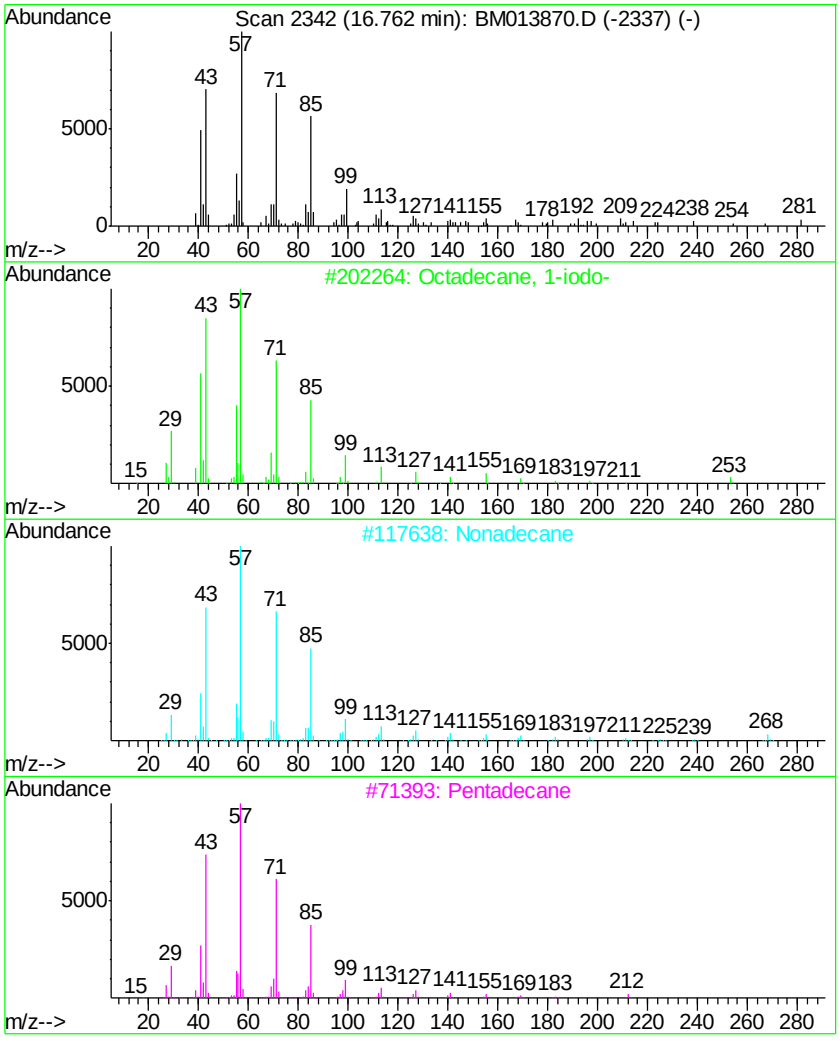
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

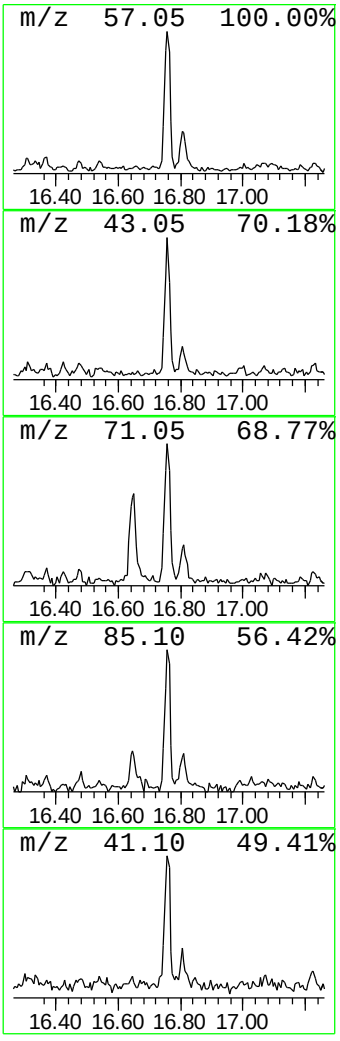
**********

Peak Number 13 Octadecane, 1-iodo- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.76 | 3.36 ng/ul | 284763 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 83 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 74 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 74 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 74 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 74 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

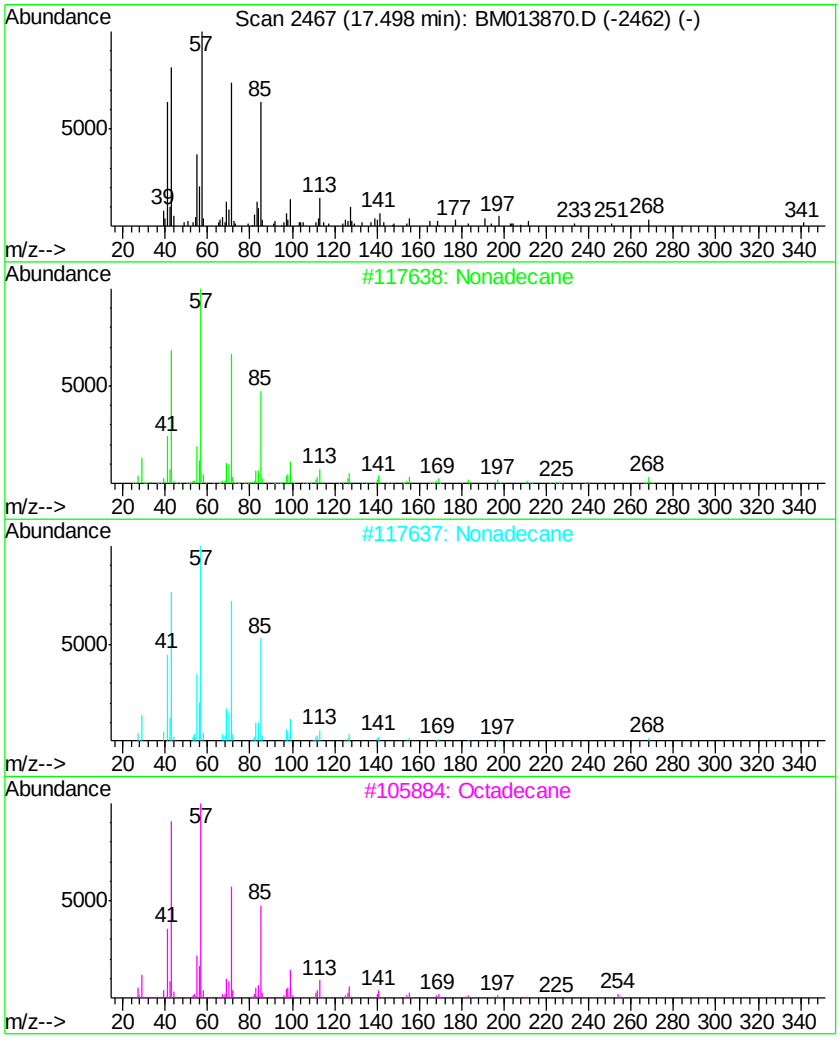
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

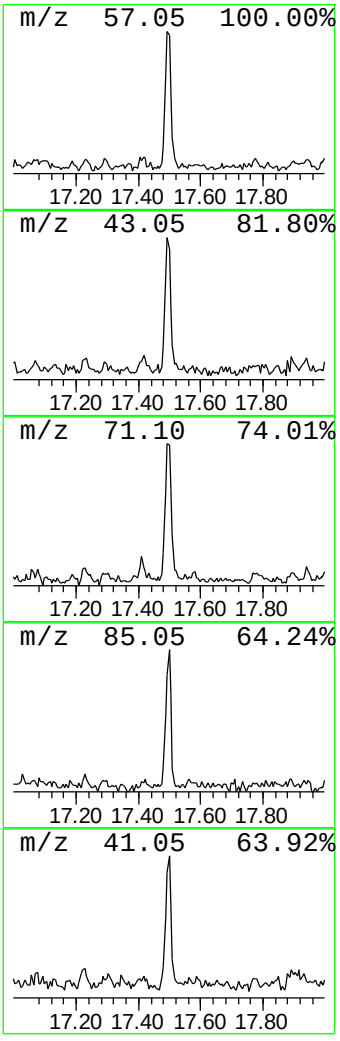
**********

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.50 | 2.27 ng/ul | 191903 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 5 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 86 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012618\
Data File : BM013870.D
Acq On : 27 Jan 2018 06:46
Operator : SJ/JU
Sample : J1222-12DL 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A85DL

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM011018.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 |
| 2-Pentanone, 4-hy... | 4.75 | 6.5 | ng/ul | 317907 | 1 | 7.58 | 970720 | 20.0 |
| Hexylene glycol | 5.95 | 20.8 | ng/ul | 1011030 | 1 | 7.58 | 970720 | 20.0 |
| (DEL) Alkane: Str... | 11.79 | 2.6 | ng/ul | 179715 | 2 | 10.36 | 1381050 | 20.0 |
| Naphthalene, 1-me... | 12.26 | 2.4 | ng/ul | 162485 | 2 | 10.36 | 1381050 | 20.0 |
| (DEL) Alkane: Str... | 13.06 | 2.7 | ng/ul | 316138 | 3 | 14.23 | 2344620 | 20.0 |
| Naphthalene, 1,6-... | 13.41 | 2.4 | ng/ul | 278300 | 3 | 14.23 | 2344620 | 20.0 |
| Naphthalene, 1,4-... | 13.55 | 2.2 | ng/ul | 254141 | 3 | 14.23 | 2344620 | 20.0 |
| (DEL) Alkane: Str... | 14.14 | 2.4 | ng/ul | 277417 | 3 | 14.23 | 2344620 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 2.3 | ng/ul | 273096 | 3 | 14.23 | 2344620 | 20.0 |
| (4-Acetylphenyl)p... | 15.71 | 6.8 | ng/ul | 577559 | 4 | 16.99 | 1692830 | 20.0 |
| (DEL) Alkane: Str... | 15.96 | 4.9 | ng/ul | 417923 | 4 | 16.99 | 1692830 | 20.0 |
| Octadecane, 1-iodo- | 16.76 | 3.4 | ng/ul | 284763 | 4 | 16.99 | 1692830 | 20.0 |
| (DEL) Alkane: Str... | 17.50 | 2.3 | ng/ul | 191903 | 4 | 16.99 | 1692830 | 20.0 |