LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

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-BM112719MA.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 | 3.034 | 22 | 25 | 37 | rVB | 80053 | 131019 | 1.71% | 0.137% |
| 2 | 3.540 | 108 | 111 | 117 | rVB6 | 15078 | 25740 | 0.34% | 0.027% |
| 3 | 3.657 | 125 | 131 | 136 | rBV | 62600 | 102639 | 1.34% | 0.107% |
| 4 | 3.740 | 142 | 145 | 152 | rVB | 23279 | 34372 | 0.45% | 0.036% |
| 5 | 4.646 | 295 | 299 | 306 | rBV | 56700 | 94316 | 1.23% | 0.099% |
| 6 | 6.028 | 531 | 534 | 538 | rVB3 | 10322 | 14338 | 0.19% | 0.015% |
| 7 | 6.481 | 608 | 611 | 615 | rVB6 | 9909 | 16320 | 0.21% | 0.017% |
| 8 | 6.675 | 637 | 644 | 660 | rBV | 1272061 | 2186865 | 28.47% | 2.289% |
| 9 | 6.834 | 666 | 671 | 682 | rBV | 1028580 | 1610924 | 20.97% | 1.686% |
| 10 | 6.910 | 682 | 684 | 690 | rVB5 | 25725 | 31472 | 0.41% | 0.033% |
| 11 | 7.022 | 697 | 703 | 718 | rBV | 1419827 | 2248927 | 29.27% | 2.354% |
| 12 | 7.128 | 719 | 721 | 726 | rVB5 | 10422 | 11457 | 0.15% | 0.012% |
| 13 | 7.487 | 773 | 782 | 792 | rBV | 1436668 | 2302828 | 29.98% | 2.410% |
| 14 | 7.569 | 794 | 796 | 802 | rVV6 | 12803 | 22522 | 0.29% | 0.024% |
| 15 | 7.628 | 802 | 806 | 811 | rVV4 | 11992 | 17487 | 0.23% | 0.018% |
| 16 | 7.710 | 814 | 820 | 826 | rBV6 | 11794 | 18178 | 0.24% | 0.019% |
| 17 | 8.157 | 889 | 896 | 897 | rBV6 | 11227 | 15848 | 0.21% | 0.017% |
| 18 | 8.204 | 897 | 904 | 919 | rVV | 1425174 | 2402356 | 31.27% | 2.514% |
| 19 | 8.316 | 919 | 923 | 930 | rVB | 58042 | 95471 | 1.24% | 0.100% |
| 20 | 8.639 | 970 | 978 | 991 | rBV | 1165371 | 2008768 | 26.15% | 2.102% |
| 21 | 8.828 | 1004 | 1010 | 1014 | rBV7 | 9061 | 15948 | 0.21% | 0.017% |
| 22 | 9.086 | 1048 | 1054 | 1059 | rVB | 16467 | 25983 | 0.34% | 0.027% |
| 23 | 9.357 | 1093 | 1100 | 1116 | rBV | 932527 | 1633714 | 21.27% | 1.710% |
| 24 | 9.639 | 1141 | 1148 | 1156 | rBV | 25818 | 55088 | 0.72% | 0.058% |
| 25 | 9.722 | 1158 | 1162 | 1167 | rVB8 | 5531 | 10392 | 0.14% | 0.011% |
| 26 | 9.804 | 1172 | 1176 | 1181 | rBV6 | 6682 | 10868 | 0.14% | 0.011% |
| 27 | 9.892 | 1184 | 1191 | 1208 | rBV | 1521099 | 2686349 | 34.97% | 2.812% |
| 28 | 10.104 | 1222 | 1227 | 1230 | rBV5 | 9001 | 15516 | 0.20% | 0.016% |
| 29 | 10.257 | 1245 | 1253 | 1263 | rBV | 1976632 | 3188679 | 41.51% | 3.337% |
| 30 | 10.404 | 1271 | 1278 | 1297 | rBV | 1060720 | 2097750 | 27.31% | 2.196% |
| 31 | 11.869 | 1521 | 1527 | 1535 | rVB2 | 22738 | 38528 | 0.50% | 0.040% |
| 32 | 12.498 | 1630 | 1634 | 1638 | rBV7 | 6970 | 12007 | 0.16% | 0.013% |
| 33 | 12.757 | 1672 | 1678 | 1683 | rVB7 | 7422 | 14234 | 0.19% | 0.015% |
| 34 | 13.410 | 1784 | 1789 | 1791 | rBV5 | 6955 | 8997 | 0.12% | 0.009% |

LSC Area Percent Report

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Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

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-BM112719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.569 | 1809 | 1816 | 1820 | rBV | 2706313 | 3690112 | 48.03% | 3.862% |
| 36 | 13.616 | 1820 | 1824 | 1834 | rVB | 1181645 | 1658351 | 21.59% | 1.736% |
| 37 | 13.833 | 1854 | 1861 | 1873 | rBV | 3262231 | 4723165 | 61.48% | 4.943% |
| 38 | 14.074 | 1897 | 1902 | 1905 | rBV6 | 6681 | 9112 | 0.12% | 0.010% |
| 39 | 14.145 | 1907 | 1914 | 1925 | rBV | 2829304 | 4115676 | 53.57% | 4.307% |
| 40 | 14.251 | 1929 | 1932 | 1937 | rVB6 | 18263 | 27751 | 0.36% | 0.029% |
| 41 | 14.380 | 1947 | 1954 | 1967 | rBV | 578380 | 1233877 | 16.06% | 1.291% |
| 42 | 14.474 | 1967 | 1970 | 1977 | rVB | 62291 | 114469 | 1.49% | 0.120% |
| 43 | 14.598 | 1984 | 1991 | 2003 | rVB4 | 107843 | 212637 | 2.77% | 0.223% |
| 44 | 14.974 | 2052 | 2055 | 2056 | rBV2 | 8317 | 8300 | 0.11% | 0.009% |
| 45 | 14.992 | 2056 | 2058 | 2062 | rVV2 | 10763 | 11775 | 0.15% | 0.012% |
| 46 | 15.033 | 2062 | 2065 | 2070 | rVB5 | 10032 | 15602 | 0.20% | 0.016% |
| 47 | 15.145 | 2076 | 2084 | 2096 | rBV | 4092333 | 5840242 | 76.02% | 6.112% |
| 48 | 15.286 | 2103 | 2108 | 2118 | rBV | 860830 | 1274709 | 16.59% | 1.334% |
| 49 | 15.386 | 2121 | 2125 | 2131 | rVV | 49142 | 83801 | 1.09% | 0.088% |
| 50 | 15.545 | 2147 | 2152 | 2156 | rBV7 | 11828 | 18316 | 0.24% | 0.019% |
| 51 | 15.786 | 2189 | 2193 | 2198 | rBV2 | 31612 | 46395 | 0.60% | 0.049% |
| 52 | 15.845 | 2198 | 2203 | 2207 | rBV8 | 6765 | 9831 | 0.13% | 0.010% |
| 53 | 15.933 | 2215 | 2218 | 2224 | rVB5 | 18742 | 27743 | 0.36% | 0.029% |
| 54 | 16.062 | 2236 | 2240 | 2245 | rVB7 | 6891 | 13826 | 0.18% | 0.014% |
| 55 | 16.204 | 2261 | 2264 | 2267 | rBV4 | 14631 | 18258 | 0.24% | 0.019% |
| 56 | 16.257 | 2270 | 2273 | 2278 | rBV7 | 3524 | 7830 | 0.10% | 0.008% |
| 57 | 16.339 | 2284 | 2287 | 2293 | rBV5 | 10163 | 16198 | 0.21% | 0.017% |
| 58 | 16.457 | 2303 | 2307 | 2312 | rVB3 | 21334 | 30104 | 0.39% | 0.032% |
| 59 | 16.574 | 2325 | 2327 | 2331 | rVB5 | 8137 | 10087 | 0.13% | 0.011% |
| 60 | 16.686 | 2342 | 2346 | 2352 | rBV2 | 19635 | 31664 | 0.41% | 0.033% |
| 61 | 16.898 | 2376 | 2382 | 2393 | rBV | 3193712 | 4479479 | 58.31% | 4.688% |
| 62 | 16.998 | 2393 | 2399 | 2413 | rVV | 4214326 | 5951336 | 77.47% | 6.229% |
| 63 | 17.109 | 2414 | 2418 | 2427 | rVB7 | 41001 | 76684 | 1.00% | 0.080% |
| 64 | 17.315 | 2449 | 2453 | 2467 | rVB5 | 38476 | 88224 | 1.15% | 0.092% |
| 65 | 17.580 | 2494 | 2498 | 2504 | rVV9 | 16674 | 32565 | 0.42% | 0.034% |
| 66 | 17.698 | 2513 | 2518 | 2519 | rBV5 | 23714 | 35718 | 0.46% | 0.037% |
| 67 | 17.756 | 2525 | 2528 | 2533 | rVB5 | 23532 | 29794 | 0.39% | 0.031% |
| 68 | 17.821 | 2534 | 2539 | 2550 | rBV | 416532 | 714893 | 9.31% | 0.748% |
| 69 | 18.121 | 2586 | 2590 | 2594 | rBV5 | 26979 | 40722 | 0.53% | 0.043% |
| 70 | 18.198 | 2598 | 2603 | 2608 | rVV3 | 92632 | 148699 | 1.94% | 0.156% |
| 71 | 18.256 | 2609 | 2613 | 2617 | rVV4 | 54741 | 70364 | 0.92% | 0.074% |

LSC Area Percent Report

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Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

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-BM112719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 18.386 | 2630 | 2635 | 2643 | rBV | 595232 | 839799 | 10.93% | 0.879% |
| 73 | 18.492 | 2650 | 2653 | 2655 | rBV3 | 33859 | 38581 | 0.50% | 0.040% |
| 74 | 18.533 | 2655 | 2660 | 2668 | rVV | 2974161 | 3670550 | 47.78% | 3.842% |
| 75 | 18.609 | 2671 | 2673 | 2678 | rVV4 | 12212 | 17038 | 0.22% | 0.018% |
| 76 | 18.692 | 2684 | 2687 | 2691 | rVB3 | 76290 | 92486 | 1.20% | 0.097% |
| 77 | 18.780 | 2699 | 2702 | 2708 | rVB6 | 39969 | 47218 | 0.61% | 0.049% |
| 78 | 18.939 | 2726 | 2729 | 2732 | rBV | 47409 | 57351 | 0.75% | 0.060% |
| 79 | 19.033 | 2740 | 2745 | 2751 | rVB | 695739 | 880350 | 11.46% | 0.921% |
| 80 | 19.115 | 2756 | 2759 | 2765 | rBV3 | 126600 | 196623 | 2.56% | 0.206% |
| 81 | 19.174 | 2765 | 2769 | 2770 | rBV4 | 33155 | 45312 | 0.59% | 0.047% |
| 82 | 19.303 | 2785 | 2791 | 2802 | rBV | 5157097 | 6949259 | 90.46% | 7.273% |
| 83 | 19.551 | 2831 | 2833 | 2836 | rVB3 | 41566 | 36765 | 0.48% | 0.038% |
| 84 | 19.762 | 2864 | 2869 | 2874 | rBV | 916760 | 1112412 | 14.48% | 1.164% |
| 85 | 19.862 | 2883 | 2886 | 2888 | rBV4 | 47731 | 51662 | 0.67% | 0.054% |
| 86 | 20.015 | 2909 | 2912 | 2915 | rBV4 | 50881 | 61558 | 0.80% | 0.064% |
| 87 | 20.486 | 2988 | 2992 | 2994 | rBV | 196371 | 226705 | 2.95% | 0.237% |
| 88 | 20.521 | 2994 | 2998 | 3002 | rVB2 | 271976 | 399180 | 5.20% | 0.418% |
| 89 | 20.674 | 3021 | 3024 | 3028 | rBV3 | 159265 | 220882 | 2.88% | 0.231% |
| 90 | 20.797 | 3042 | 3045 | 3050 | rBV | 367370 | 505068 | 6.57% | 0.529% |
| 91 | 20.850 | 3050 | 3054 | 3060 | rVB2 | 803881 | 1083089 | 14.10% | 1.134% |
| 92 | 20.962 | 3070 | 3073 | 3077 | rBV2 | 185399 | 210440 | 2.74% | 0.220% |
| 93 | 21.103 | 3093 | 3097 | 3106 | rBV | 3723046 | 4892758 | 63.69% | 5.121% |
| 94 | 21.286 | 3126 | 3128 | 3132 | rBV | 110196 | 107027 | 1.39% | 0.112% |
| 95 | 21.709 | 3196 | 3200 | 3208 | rBV | 448490 | 696511 | 9.07% | 0.729% |
| 96 | 22.268 | 3292 | 3295 | 3301 | rVB | 821556 | 1024673 | 13.34% | 1.072% |
| 97 | 22.633 | 3353 | 3357 | 3362 | rBV | 469629 | 608813 | 7.92% | 0.637% |
| 98 | 23.115 | 3433 | 3439 | 3445 | rBV | 4620173 | 7682494 | 100.00% | 8.041% |
| 99 | 23.250 | 3456 | 3462 | 3471 | rVB | 3113693 | 5668283 | 73.78% | 5.932% |

Sum of corrected areas: 95547096

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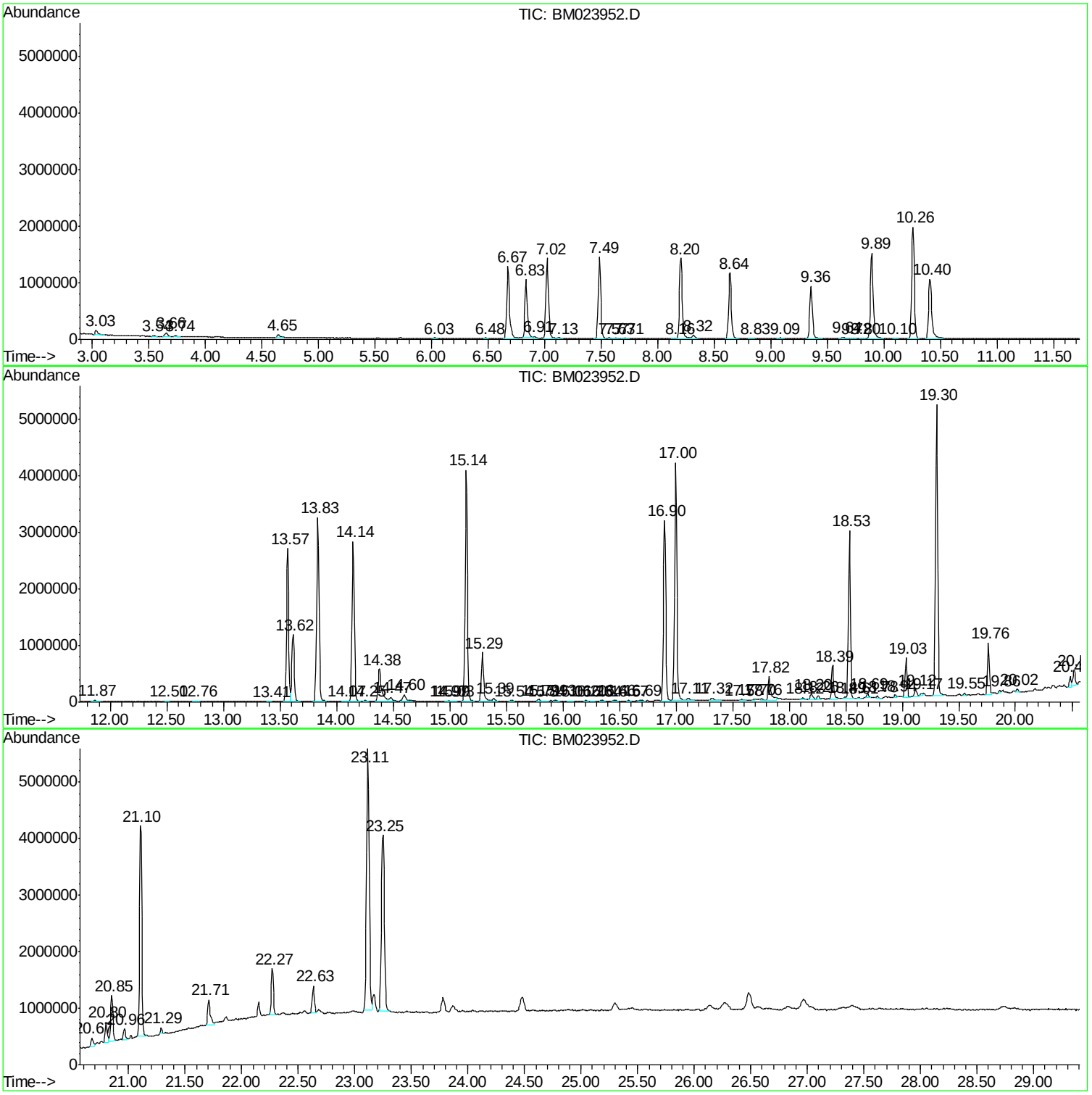
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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 M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
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Sample : K5915-12
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**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

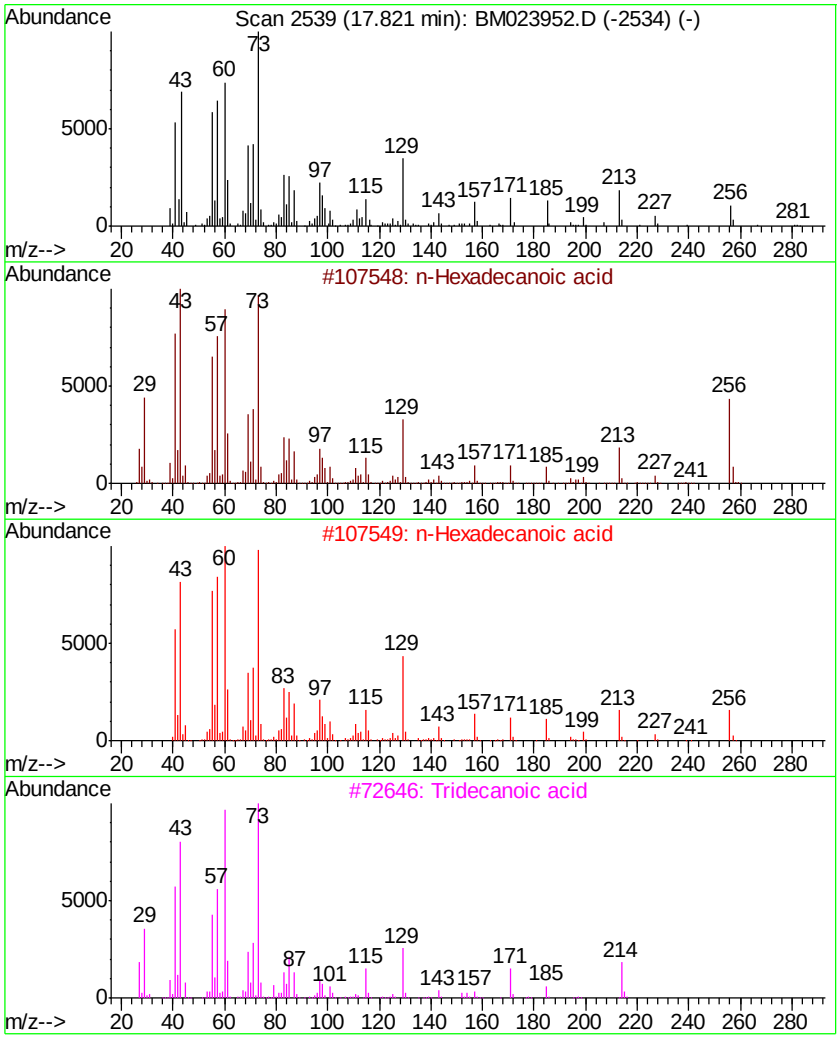
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

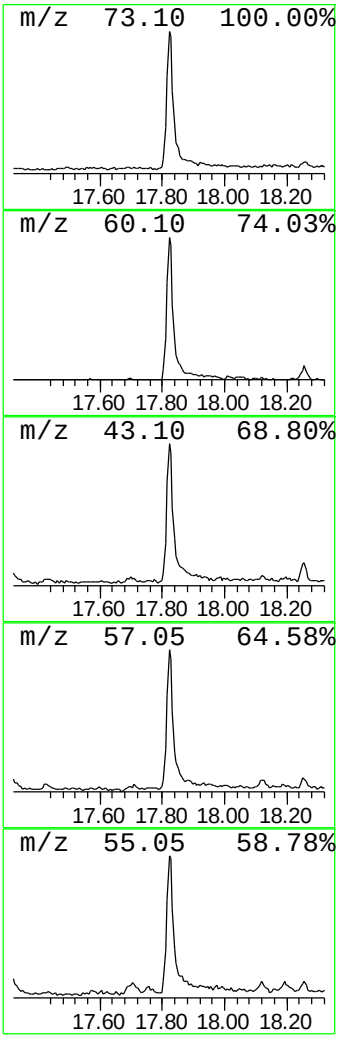
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.82 | 3.19 ng/ul | 714893 | Phenanthrene-d10 | 16.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

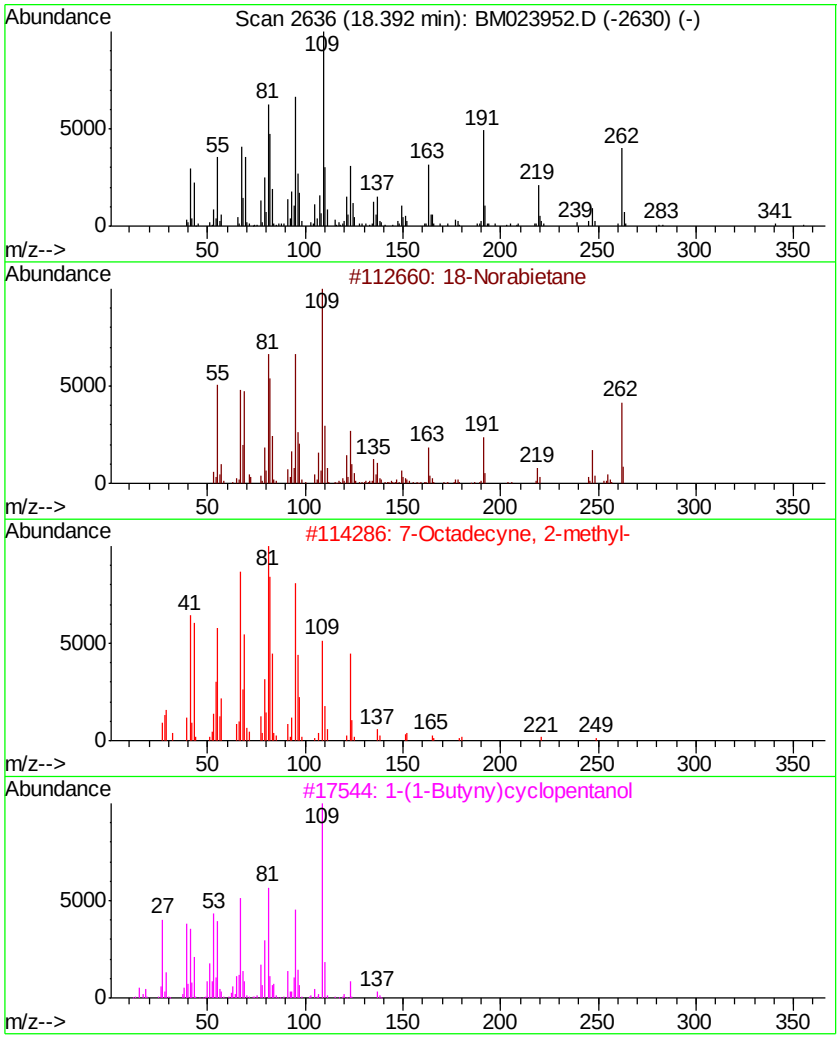
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

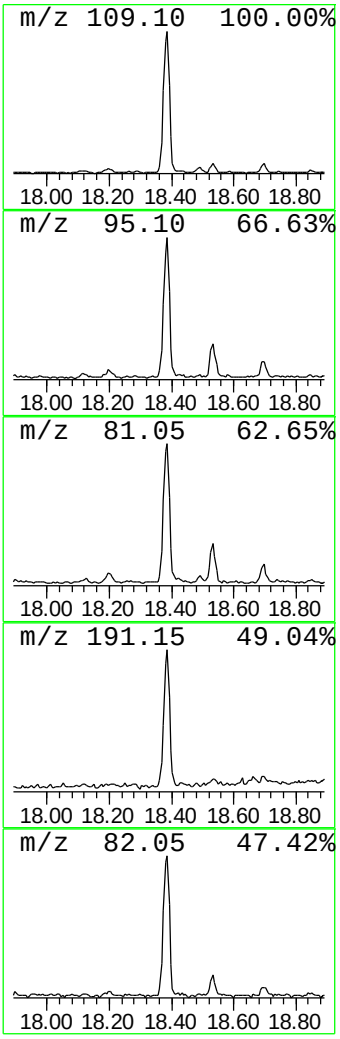
**********

Peak Number 2 18-Norabietane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.39 | 3.75 ng/ul | 839799 | Phenanthrene-d10 | 16.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 18-Norabietane | 262 | C19H34 | 1000293-16-6 | 91 |
| 2 | 7-Octadecyne, 2-methyl- | 264 | C19H36 | 035354-38-2 | 35 |
| 3 | 1-(1-Butynyl)cyclopentanol | 138 | C9H14O | 1000342-86-5 | 35 |
| 4 | 8-Hexadecyne | 222 | C16H30 | 019781-86-3 | 27 |
| 5 | 3-Heptyne, 2,2-dimethyl- | 124 | C9H16 | 029022-29-5 | 22 |



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**Instrument :** BNA_M
**ClientSampleId :** JLNR2

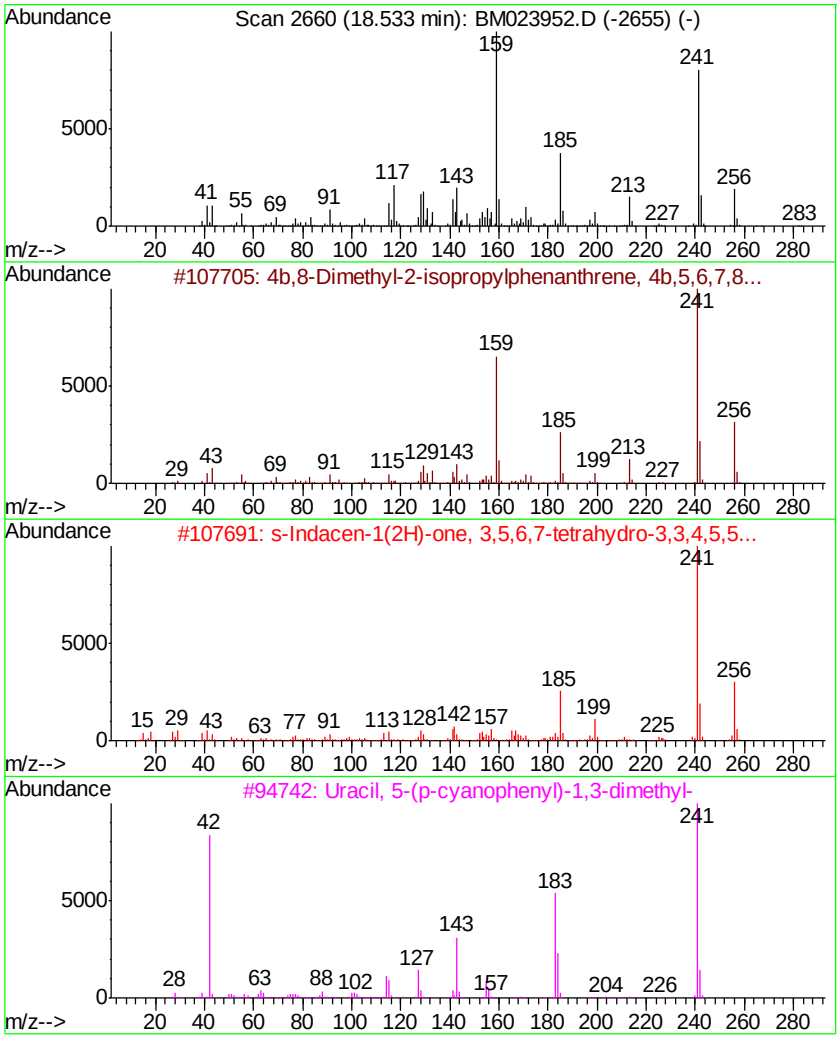
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

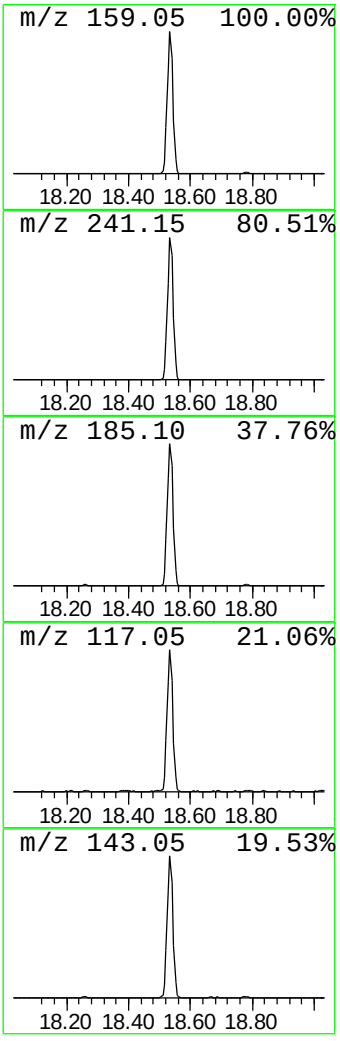
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.53 | 16.39 ng/ul | 3670550 | Phenanthrene-d10 | 16.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28 | 1000197-14-1 | 99 |
| 2 | s-Indacen-1(2H)-one, 3,5,6,7-tet... | 256 | C18H24O | 038754-94-8 | 80 |
| 3 | Uracil, 5-(p-cyanophenyl)-1,3-di... | 241 | C13H11N3O2 | 1000164-78-4 | 30 |
| 4 | 2(1H)-Quinolinone, hydrazone | 159 | C9H9N3 | 015793-77-8 | 27 |
| 5 | Isoxazole, 5-methyl-4-phenyl- | 159 | C10H9NO | 023253-49-8 | 25 |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

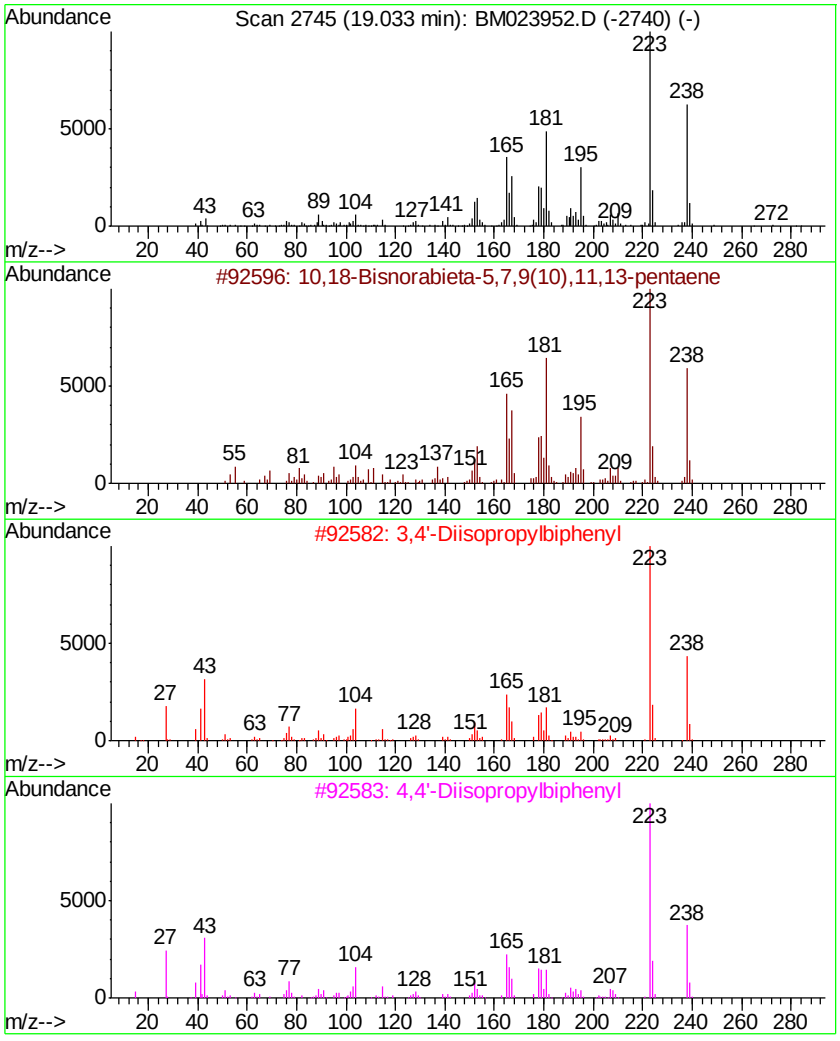
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

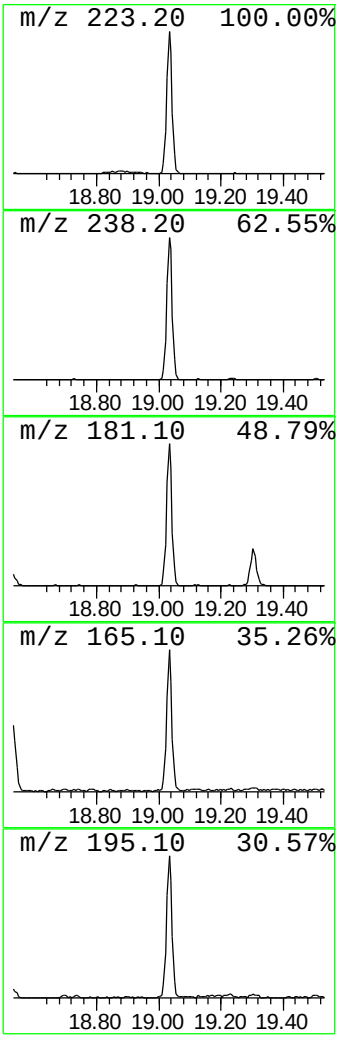
**********

Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.03 | 3.60 ng/ul | 880350 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 99 |
| 2 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 89 |
| 3 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 58 |
| 4 | Anthracene, 1,4-dimethoxy- | 238 | C16H14O2 | 013076-29-4 | 55 |
| 5 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 55 |



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Data File : BM023952.D
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Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

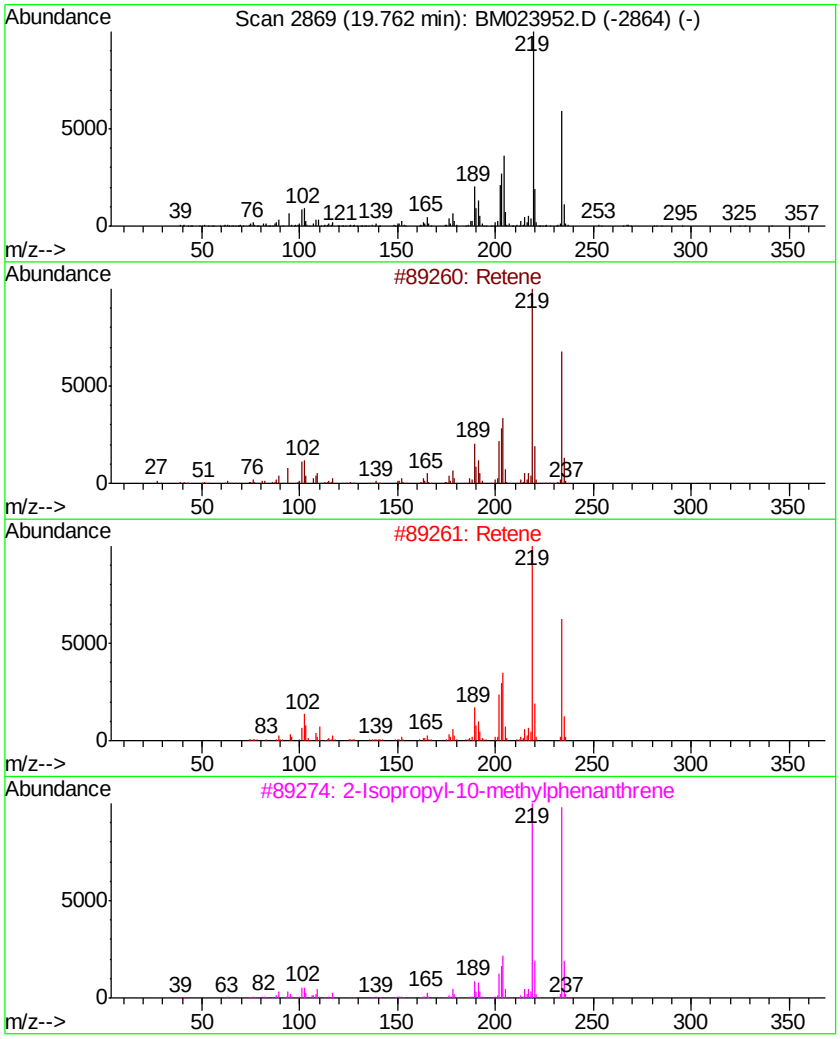
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

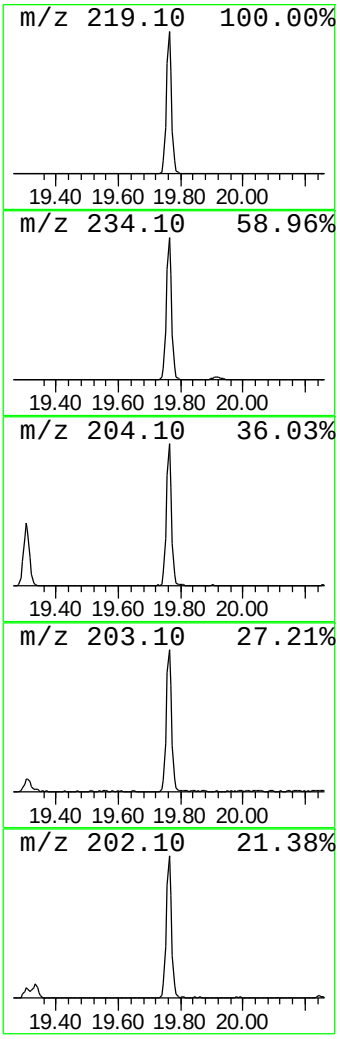
**********

Peak Number 5 Retene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.76 | 4.55 ng/ul | 1112410 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Retene | 234 | C18H18 | 000483-65-8 | 99 |
| 2 | Retene | 234 | C18H18 | 000483-65-8 | 97 |
| 3 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 95 |
| 4 | Retene | 234 | C18H18 | 000483-65-8 | 94 |
| 5 | 2,5-Diphenyl-2,4-hexadiene | 234 | C18H18 | 016819-47-9 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

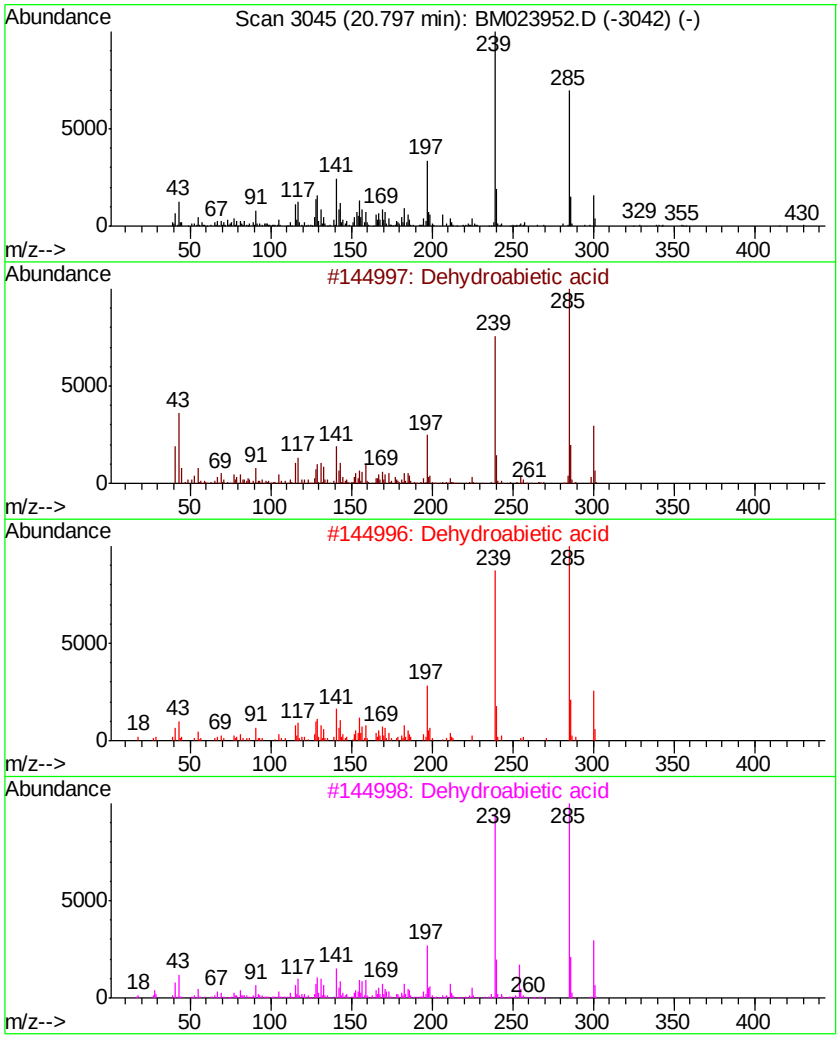
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

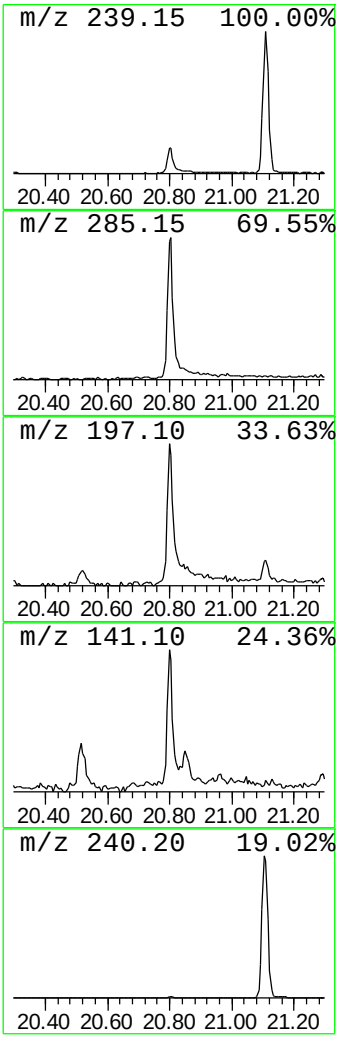
**********

Peak Number 6 Dehydroabietic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.80 | 2.06 ng/ul | 505068 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 94 |
| 2 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 93 |
| 3 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 91 |
| 4 | 1-Phenanthrenecarboxylic acid, 1... | 300 | C20H28O2 | 005155-70-4 | 72 |
| 5 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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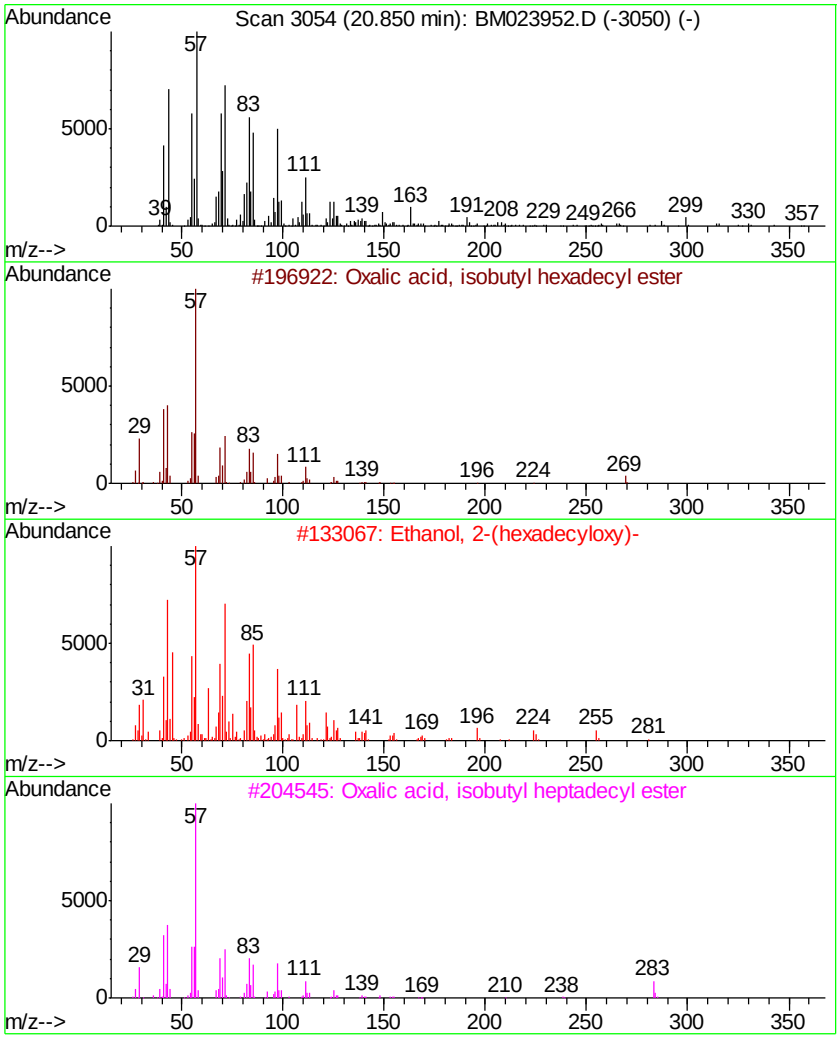
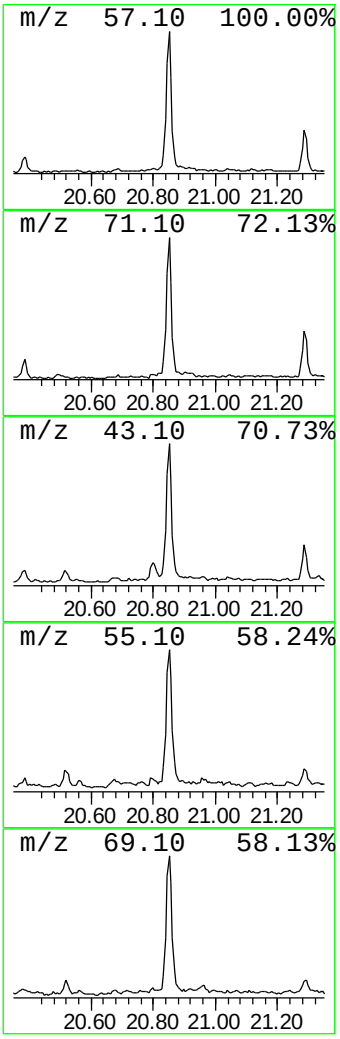
Peak Number 7 Oxalic acid, isobutyl hexad... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.85 | 4.43 ng/ul | 1083090 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 87 |
| 2 | Ethanol, 2-(hexadecyloxy)- | 286 | C18H38O2 | 002136-71-2 | 83 |
| 3 | Oxalic acid, isobutyl heptadecyl... | 384 | C23H44O4 | 1000309-38-2 | 83 |
| 4 | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4 | 1000309-38-3 | 83 |
| 5 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 70 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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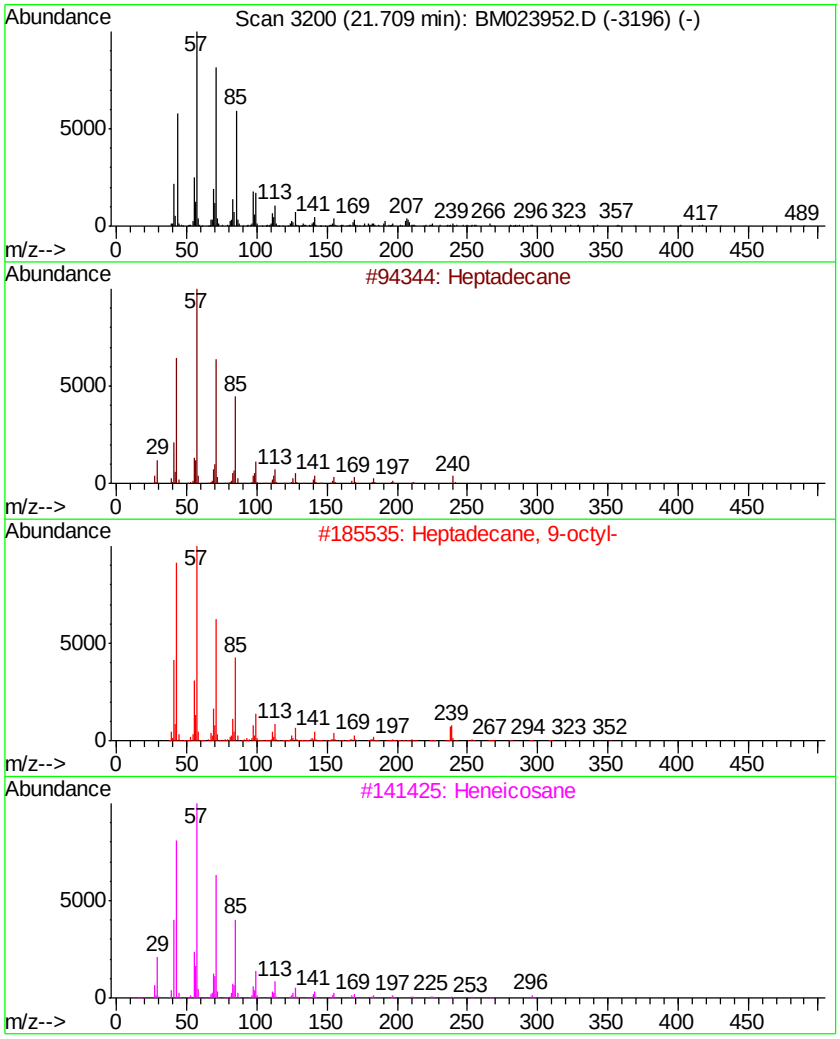
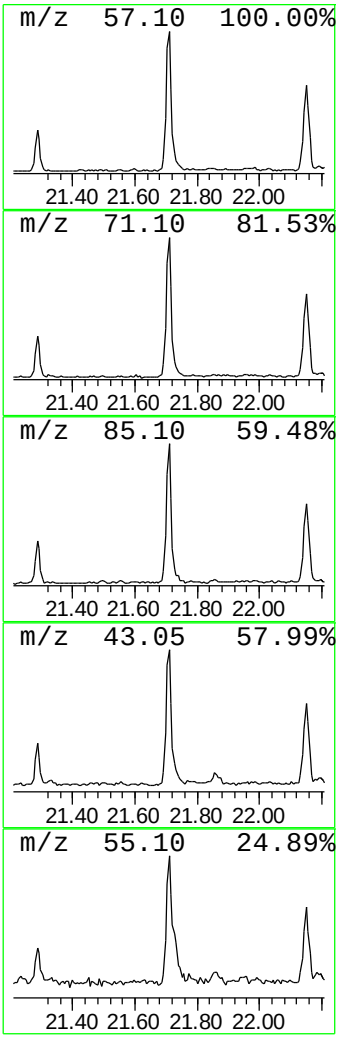
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.71 | 2.85 ng/ul | 696511 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 86 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 4 | Docosane | 310 | C22H46 | 000629-97-0 | 86 |
| 5 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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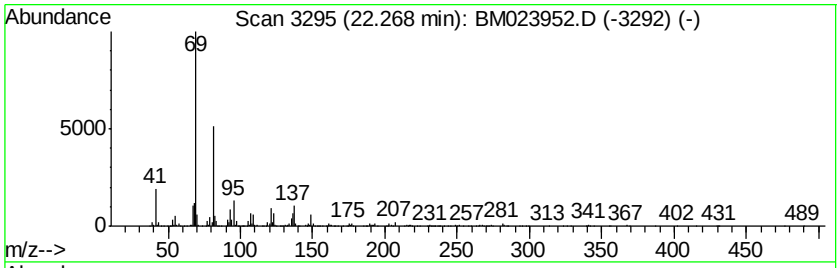
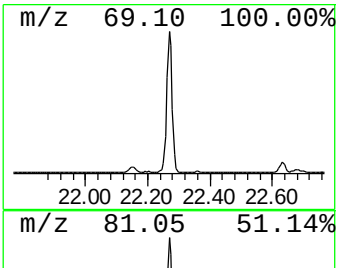
Peak Number 9 Squalene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.27 | 3.62 ng/ul | 1024670 | Perylene-d12 | 23.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 91 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 91 |
| 3 | Squalene | 410 | C30H50 | 000111-02-4 | 91 |
| 4 | 1,5-Heptadiene, 3,3,6-trimethyl- | 138 | C10H18 | 035387-63-4 | 50 |
| 5 | 4-Methyl-1,5-Heptadiene | 110 | C8H14 | 000998-94-7 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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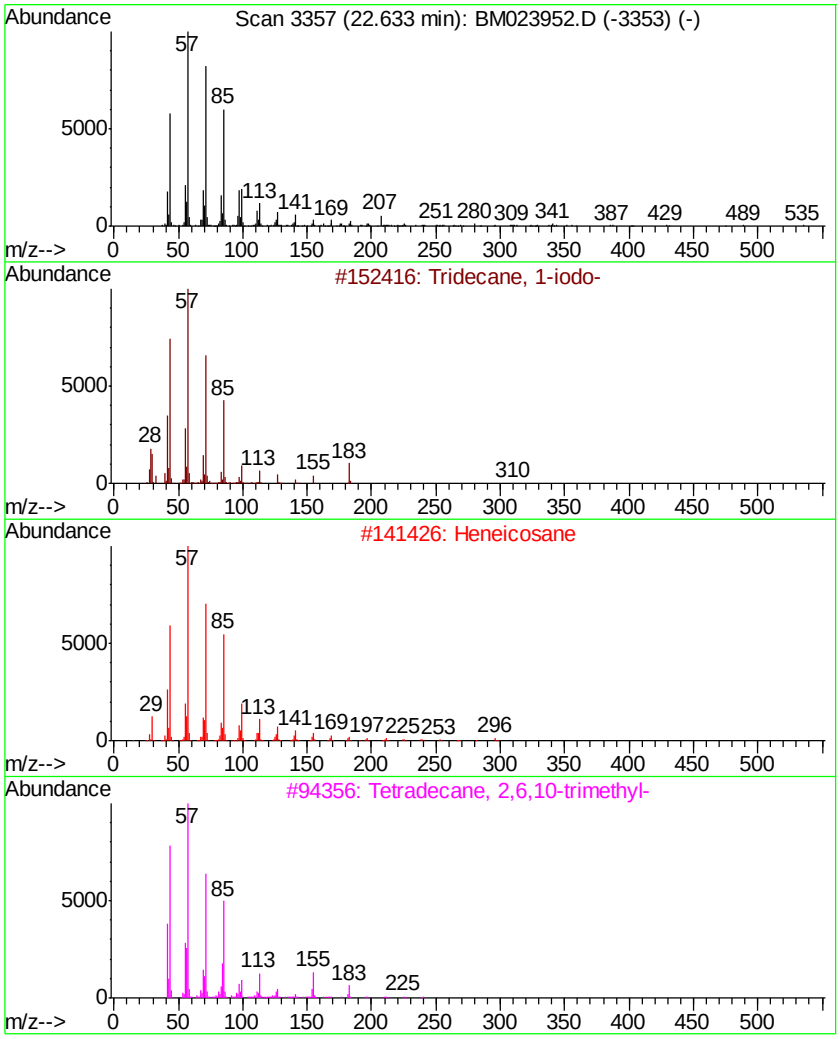
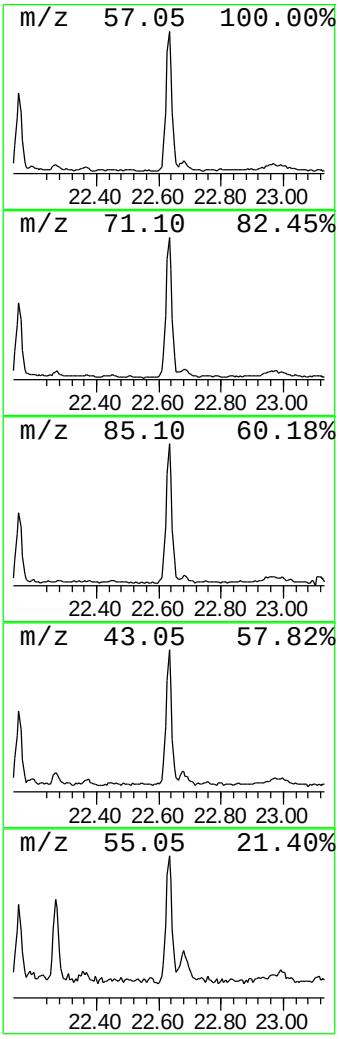
Peak Number 10 Tridecane, 1-iodo- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.63 | 2.15 ng/ul | 608813 | Perylene-d12 | 23.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 87 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36 | 014905-56-7 | 83 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112719\
Data File : BM023952.D
Acq On : 28 Nov 2019 14:52
Operator : JU
Sample : K5915-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLNR2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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 |
| n-Hexadecanoic acid | 17.82 | 3.2 | ng/ul | 714893 | 4 | 16.90 | 4479480 | 20.0 |
| 18-Norabietane | 18.39 | 3.8 | ng/ul | 839799 | 4 | 16.90 | 4479480 | 20.0 |
| 4b,8-Dimethyl-2-i... | 18.53 | 16.4 | ng/ul | 3670550 | 4 | 16.90 | 4479480 | 20.0 |
| 10,18-Bisnorabiet... | 19.03 | 3.6 | ng/ul | 880350 | 5 | 21.10 | 4892760 | 20.0 |
| Retene | 19.76 | 4.5 | ng/ul | 1112410 | 5 | 21.10 | 4892760 | 20.0 |
| Dehydroabietic acid | 20.80 | 2.1 | ng/ul | 505068 | 5 | 21.10 | 4892760 | 20.0 |
| Oxalic acid, isob... | 20.85 | 4.4 | ng/ul | 1083090 | 5 | 21.10 | 4892760 | 20.0 |
| (DEL) Alkane: Str... | 21.71 | 2.9 | ng/ul | 696511 | 5 | 21.10 | 4892760 | 20.0 |
| Squalene | 22.27 | 3.6 | ng/ul | 1024670 | 6 | 23.25 | 5668280 | 20.0 |
| Tridecane, 1-iodo- | 22.63 | 2.1 | ng/ul | 608813 | 6 | 23.25 | 5668280 | 20.0 |