LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024367.D
Acq On : 30 Dec 2019 11:14
Operator : JU
Sample : K6278-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

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-BM121719MA.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 | 2.987 | 14 | 17 | 34 | rVB | 63137 | 137704 | 4.32% | 0.358% |
| 2 | 3.393 | 83 | 86 | 92 | rVB4 | 11173 | 18775 | 0.59% | 0.049% |
| 3 | 3.487 | 98 | 102 | 110 | rVB | 42603 | 65683 | 2.06% | 0.171% |
| 4 | 3.675 | 130 | 134 | 142 | rVB3 | 12355 | 22510 | 0.71% | 0.059% |
| 5 | 3.781 | 150 | 152 | 158 | rVB7 | 10937 | 12833 | 0.40% | 0.033% |
| 6 | 4.581 | 284 | 288 | 297 | rVB | 28731 | 45508 | 1.43% | 0.118% |
| 7 | 4.793 | 323 | 324 | 327 | rBV3 | 4822 | 3363 | 0.11% | 0.009% |
| 8 | 4.963 | 351 | 353 | 356 | rVB3 | 3969 | 3869 | 0.12% | 0.010% |
| 9 | 5.210 | 391 | 395 | 397 | rVB4 | 3190 | 4120 | 0.13% | 0.011% |
| 10 | 5.834 | 497 | 501 | 508 | rVB3 | 7697 | 11450 | 0.36% | 0.030% |
| 11 | 5.969 | 521 | 524 | 528 | rVB6 | 3274 | 3935 | 0.12% | 0.010% |
| 12 | 6.181 | 556 | 560 | 562 | rVB4 | 2561 | 3314 | 0.10% | 0.009% |
| 13 | 6.616 | 628 | 634 | 653 | rVV | 505843 | 978335 | 30.68% | 2.543% |
| 14 | 6.763 | 654 | 659 | 675 | rVV | 466121 | 816532 | 25.61% | 2.122% |
| 15 | 6.951 | 685 | 691 | 703 | rBV | 584385 | 982177 | 30.80% | 2.553% |
| 16 | 7.410 | 762 | 769 | 778 | rBV | 655455 | 1083143 | 33.97% | 2.815% |
| 17 | 7.545 | 789 | 792 | 794 | rBV3 | 2913 | 3250 | 0.10% | 0.008% |
| 18 | 8.140 | 886 | 893 | 908 | rBV | 499397 | 937327 | 29.39% | 2.436% |
| 19 | 8.257 | 910 | 913 | 923 | rVB4 | 14272 | 27317 | 0.86% | 0.071% |
| 20 | 8.563 | 958 | 965 | 986 | rBV | 538788 | 1019707 | 31.98% | 2.650% |
| 21 | 8.810 | 1005 | 1007 | 1012 | rVB6 | 3158 | 4064 | 0.13% | 0.011% |
| 22 | 8.987 | 1033 | 1037 | 1043 | rVV3 | 7372 | 10190 | 0.32% | 0.026% |
| 23 | 9.281 | 1080 | 1087 | 1109 | rBV | 468513 | 830981 | 26.06% | 2.160% |
| 24 | 9.822 | 1172 | 1179 | 1194 | rBV | 572368 | 1140169 | 35.76% | 2.963% |
| 25 | 10.092 | 1222 | 1225 | 1228 | rBV5 | 2767 | 3409 | 0.11% | 0.009% |
| 26 | 10.175 | 1231 | 1239 | 1252 | rBV | 899037 | 1484001 | 46.54% | 3.857% |
| 27 | 10.339 | 1259 | 1267 | 1288 | rBV | 439864 | 1034233 | 32.43% | 2.688% |
| 28 | 11.010 | 1376 | 1381 | 1385 | rBV4 | 1842 | 3213 | 0.10% | 0.008% |
| 29 | 11.798 | 1513 | 1515 | 1523 | rVB4 | 4353 | 7007 | 0.22% | 0.018% |
| 30 | 12.680 | 1659 | 1665 | 1670 | rVB7 | 3406 | 4840 | 0.15% | 0.013% |
| 31 | 12.922 | 1700 | 1706 | 1707 | rBV3 | 2319 | 3791 | 0.12% | 0.010% |
| 32 | 13.375 | 1779 | 1783 | 1788 | rBV6 | 3272 | 4733 | 0.15% | 0.012% |
| 33 | 13.498 | 1798 | 1804 | 1810 | rBV | 1251681 | 1830291 | 57.40% | 4.757% |
| 34 | 13.551 | 1810 | 1813 | 1824 | rVB | 103804 | 157163 | 4.93% | 0.408% |

LSC Area Percent Report

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Operator : JU
Sample : K6278-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

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-BM121719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.763 | 1842 | 1849 | 1862 | rBV | 1383970 | 2022970 | 63.44% | 5.258% |
| 36 | 14.004 | 1887 | 1890 | 1892 | rBV4 | 3053 | 3529 | 0.11% | 0.009% |
| 37 | 14.074 | 1895 | 1902 | 1910 | rVV | 1234697 | 1826261 | 57.27% | 4.746% |
| 38 | 14.351 | 1943 | 1949 | 1963 | rBV | 168529 | 503182 | 15.78% | 1.308% |
| 39 | 14.545 | 1977 | 1982 | 1989 | rVB8 | 16012 | 30670 | 0.96% | 0.080% |
| 40 | 14.904 | 2039 | 2043 | 2047 | rBV4 | 4480 | 9456 | 0.30% | 0.025% |
| 41 | 14.963 | 2051 | 2053 | 2058 | rVB4 | 3891 | 5220 | 0.16% | 0.014% |
| 42 | 15.080 | 2065 | 2073 | 2084 | rBV | 1804158 | 2629928 | 82.48% | 6.835% |
| 43 | 15.157 | 2084 | 2086 | 2092 | rVV5 | 15704 | 23108 | 0.72% | 0.060% |
| 44 | 15.239 | 2095 | 2100 | 2111 | rVV | 340314 | 574428 | 18.01% | 1.493% |
| 45 | 15.321 | 2111 | 2114 | 2118 | rVV4 | 23246 | 37538 | 1.18% | 0.098% |
| 46 | 15.363 | 2118 | 2121 | 2128 | rVB5 | 7458 | 13280 | 0.42% | 0.035% |
| 47 | 15.498 | 2139 | 2144 | 2152 | rVB2 | 45496 | 77360 | 2.43% | 0.201% |
| 48 | 15.827 | 2195 | 2200 | 2204 | rBV2 | 21936 | 38188 | 1.20% | 0.099% |
| 49 | 15.992 | 2225 | 2228 | 2233 | rBV5 | 2567 | 4864 | 0.15% | 0.013% |
| 50 | 16.045 | 2233 | 2237 | 2239 | rVB2 | 2548 | 3209 | 0.10% | 0.008% |
| 51 | 16.392 | 2290 | 2296 | 2304 | rVB | 32505 | 47165 | 1.48% | 0.123% |
| 52 | 16.621 | 2331 | 2335 | 2343 | rBV6 | 8023 | 17794 | 0.56% | 0.046% |
| 53 | 16.833 | 2365 | 2371 | 2376 | rBV | 1503228 | 2063350 | 64.71% | 5.362% |
| 54 | 16.874 | 2376 | 2378 | 2382 | rVV2 | 29481 | 36057 | 1.13% | 0.094% |
| 55 | 16.933 | 2382 | 2388 | 2399 | rVV | 1824670 | 2581453 | 80.96% | 6.709% |
| 56 | 17.051 | 2406 | 2408 | 2410 | rBV2 | 4139 | 3935 | 0.12% | 0.010% |
| 57 | 17.368 | 2460 | 2462 | 2466 | rVB5 | 4379 | 4588 | 0.14% | 0.012% |
| 58 | 17.415 | 2468 | 2470 | 2472 | rVB3 | 3680 | 3363 | 0.11% | 0.009% |
| 59 | 17.439 | 2472 | 2474 | 2475 | rBV2 | 3850 | 3346 | 0.10% | 0.009% |
| 60 | 17.539 | 2489 | 2491 | 2493 | rVB2 | 5888 | 4333 | 0.14% | 0.011% |
| 61 | 17.639 | 2505 | 2508 | 2509 | rBV3 | 4153 | 3210 | 0.10% | 0.008% |
| 62 | 17.715 | 2516 | 2521 | 2525 | rBV7 | 5673 | 11399 | 0.36% | 0.030% |
| 63 | 17.762 | 2525 | 2529 | 2536 | rVV4 | 34501 | 63876 | 2.00% | 0.166% |
| 64 | 17.821 | 2538 | 2539 | 2543 | rVB4 | 8086 | 7778 | 0.24% | 0.020% |
| 65 | 17.915 | 2552 | 2555 | 2558 | rVB4 | 5385 | 5020 | 0.16% | 0.013% |
| 66 | 18.045 | 2575 | 2577 | 2582 | rVV5 | 4613 | 6428 | 0.20% | 0.017% |
| 67 | 18.186 | 2599 | 2601 | 2606 | rVB4 | 5786 | 6890 | 0.22% | 0.018% |
| 68 | 18.880 | 2715 | 2719 | 2720 | rBV4 | 11261 | 13796 | 0.43% | 0.036% |
| 69 | 18.909 | 2720 | 2724 | 2729 | rVB | 58768 | 83613 | 2.62% | 0.217% |
| 70 | 19.062 | 2746 | 2750 | 2755 | rBV6 | 10725 | 24055 | 0.75% | 0.063% |
| 71 | 19.133 | 2759 | 2762 | 2766 | rVV3 | 15562 | 21375 | 0.67% | 0.056% |

LSC Area Percent Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

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-BM121719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.245 | 2775 | 2781 | 2792 | rBV | 2276432 | 3188743 | 100.00% | 8.287% |
| 73 | 20.792 | 3040 | 3044 | 3050 | rBV | 305926 | 440305 | 13.81% | 1.144% |
| 74 | 21.050 | 3083 | 3088 | 3099 | rBV | 1711547 | 2454900 | 76.99% | 6.380% |
| 75 | 21.233 | 3116 | 3119 | 3122 | rBV2 | 86490 | 100651 | 3.16% | 0.262% |
| 76 | 21.650 | 3188 | 3190 | 3200 | rVB2 | 137114 | 150725 | 4.73% | 0.392% |
| 77 | 22.086 | 3261 | 3264 | 3268 | rBV | 199044 | 217935 | 6.83% | 0.566% |
| 78 | 22.562 | 3342 | 3345 | 3351 | rVB | 229599 | 309448 | 9.70% | 0.804% |
| 79 | 23.044 | 3421 | 3427 | 3432 | rBV | 1785231 | 3147479 | 98.71% | 8.180% |
| 80 | 23.174 | 3443 | 3449 | 3461 | rVB | 1421817 | 2547527 | 79.89% | 6.621% |
| 81 | 23.680 | 3532 | 3535 | 3543 | rVB2 | 236390 | 405092 | 12.70% | 1.053% |

Sum of corrected areas: 38477757

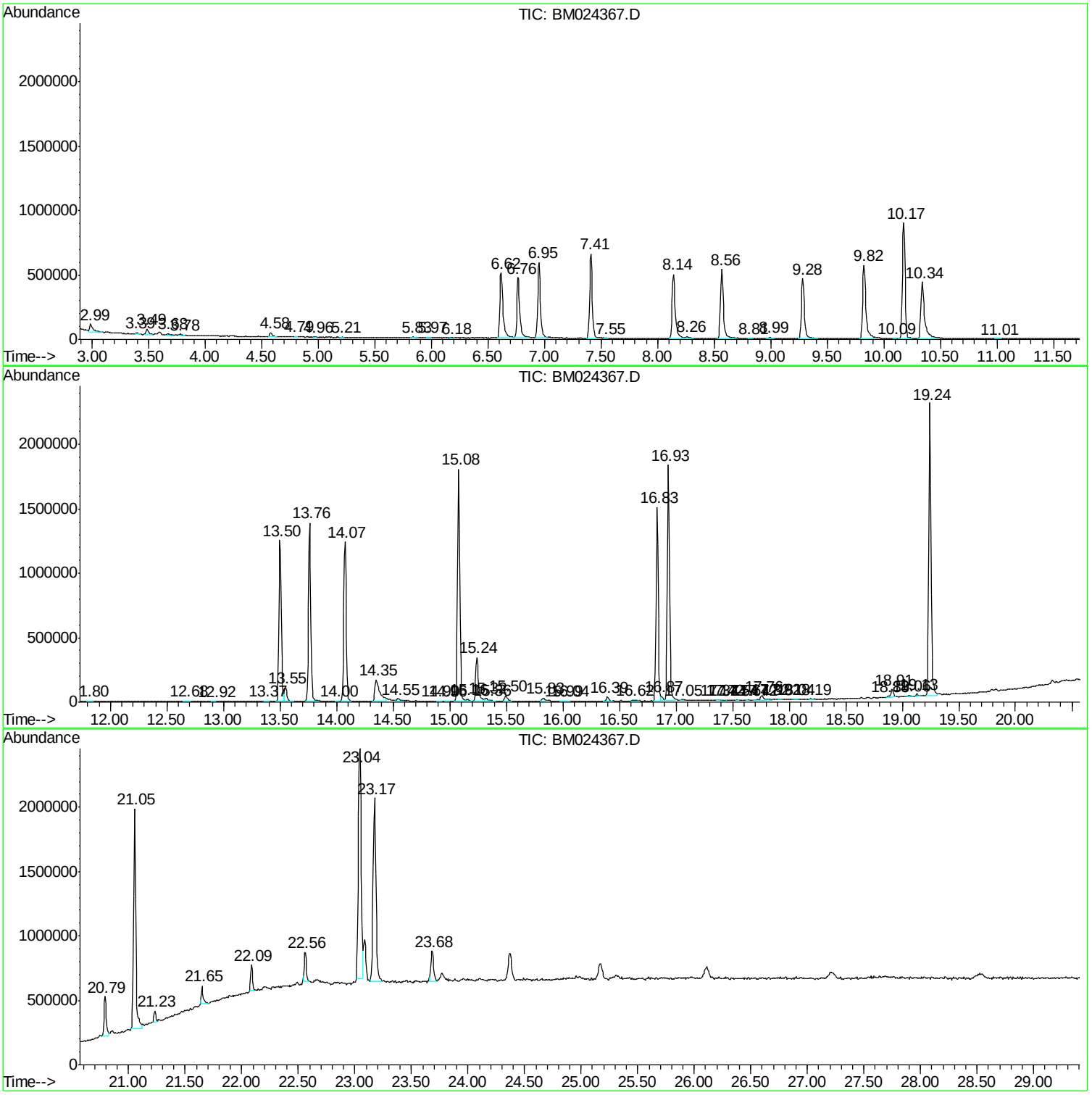
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024367.D
Acq On : 30 Dec 2019 11:14
Operator : JU
Sample : K6278-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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\BM123019\
Data File : BM024367.D
Acq On : 30 Dec 2019 11:14
Operator : JU
Sample : K6278-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

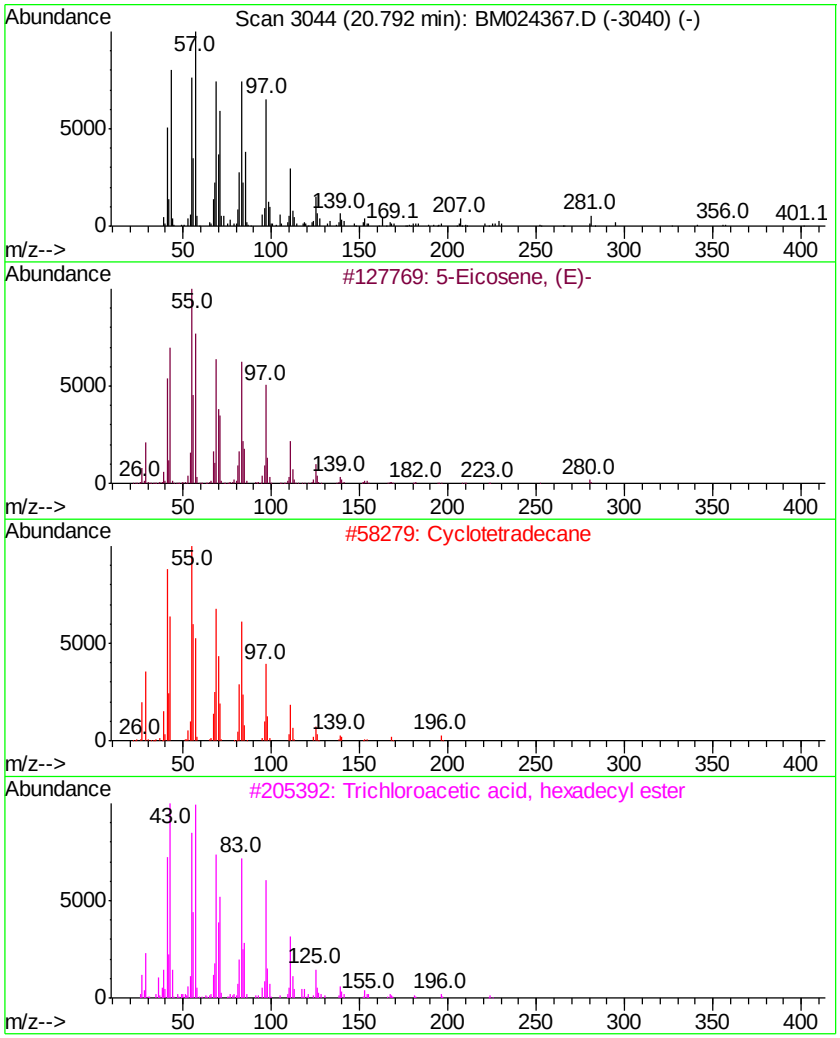
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

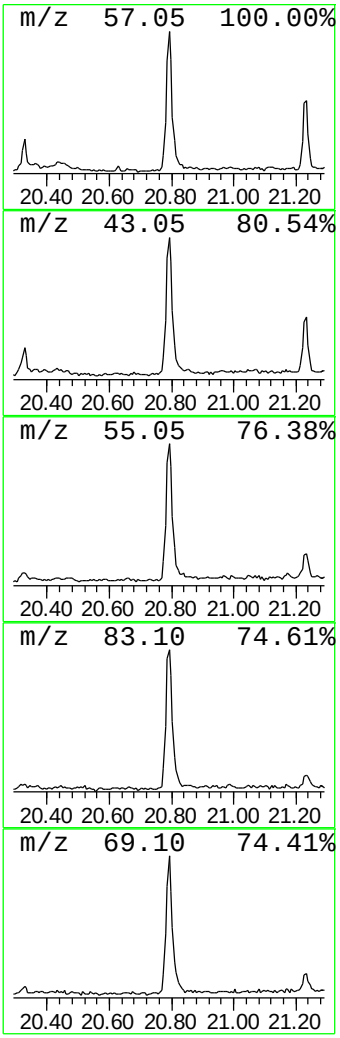
**********

Peak Number 1 (DEL) Alkane: Cyclic20.79 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.79 | 3.59 ng/ul | 440305 | Chrysene-d12 | 21.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 2 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 93 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 87 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 83 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 81 |



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Sample : K6278-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0C72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

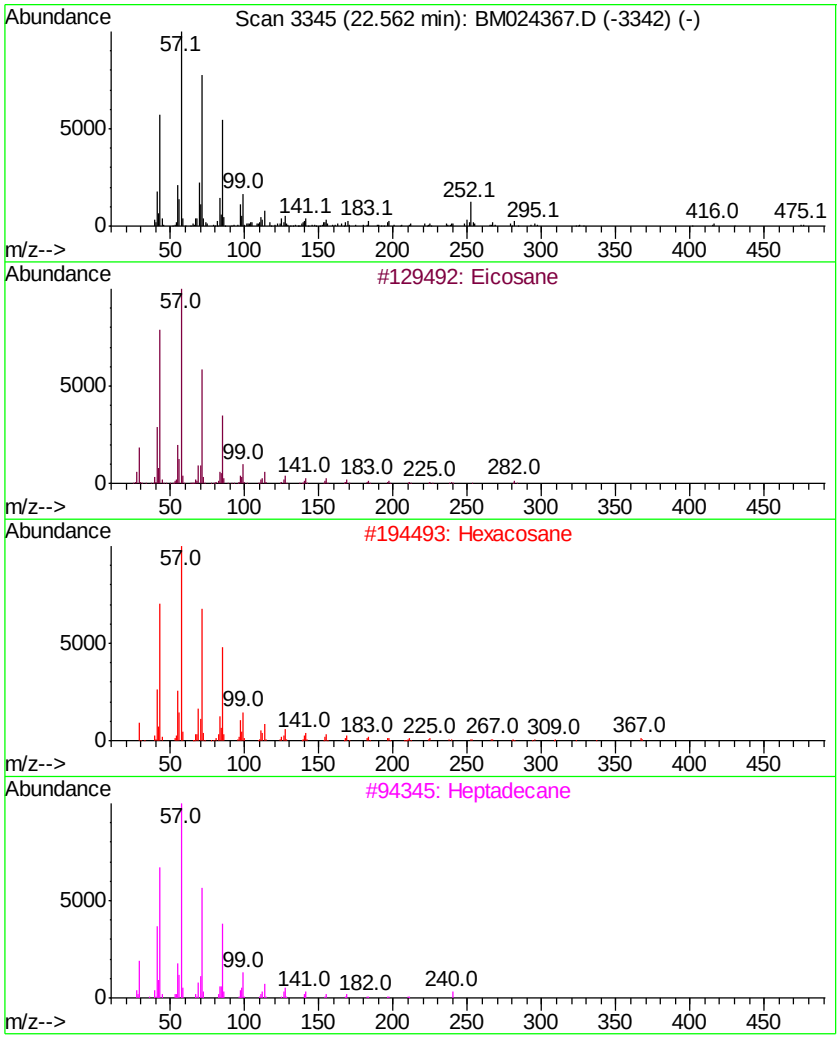
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

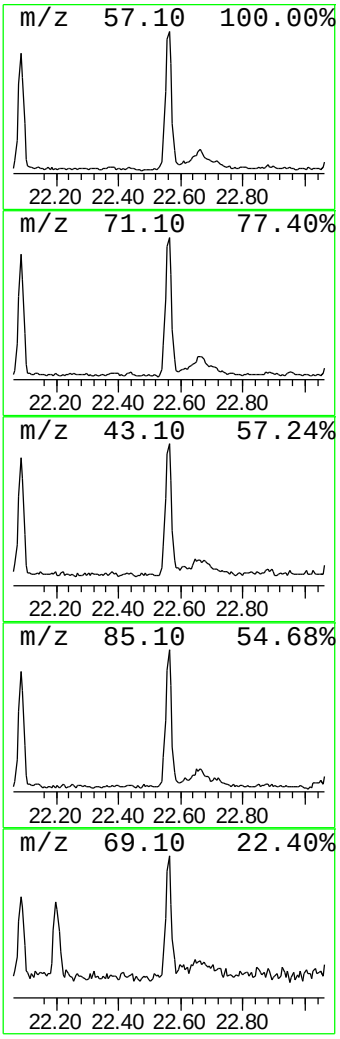
**********

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.56 | 2.43 ng/ul | 309448 | Perylene-d12 | 23.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 89 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |
| 4 | Hexadecane, 7,9-dimethyl- | 254 | C18H38 | 021164-95-4 | 83 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

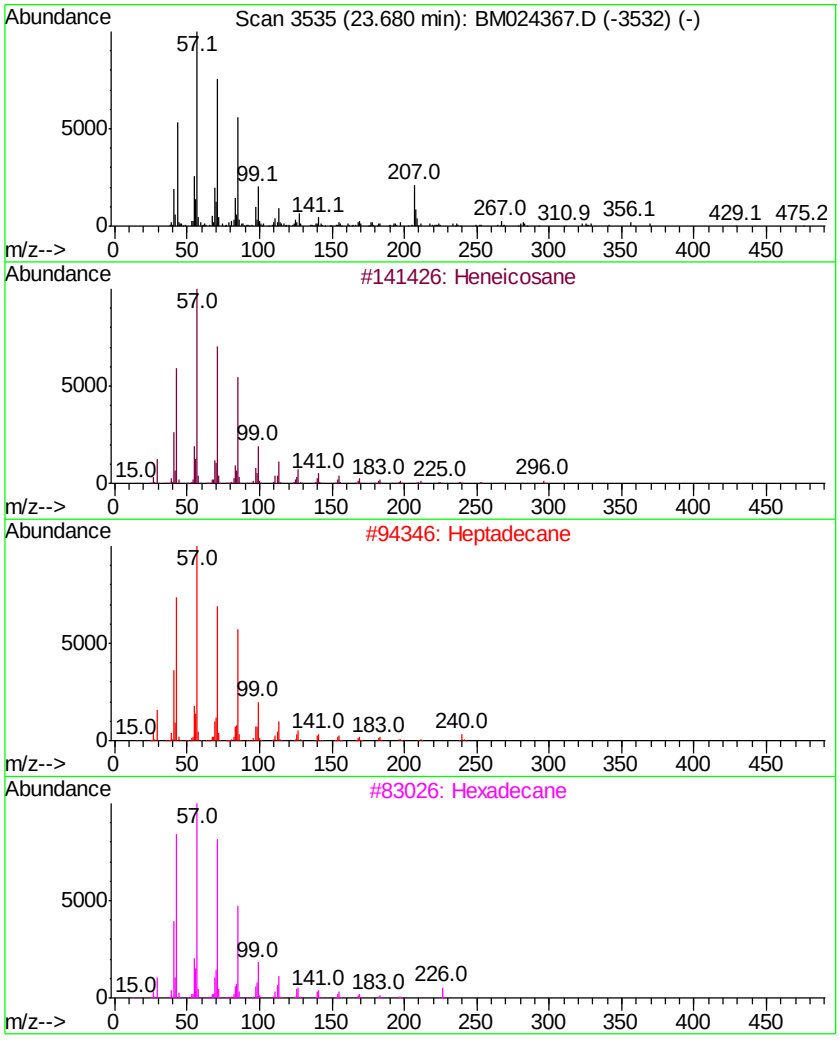
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

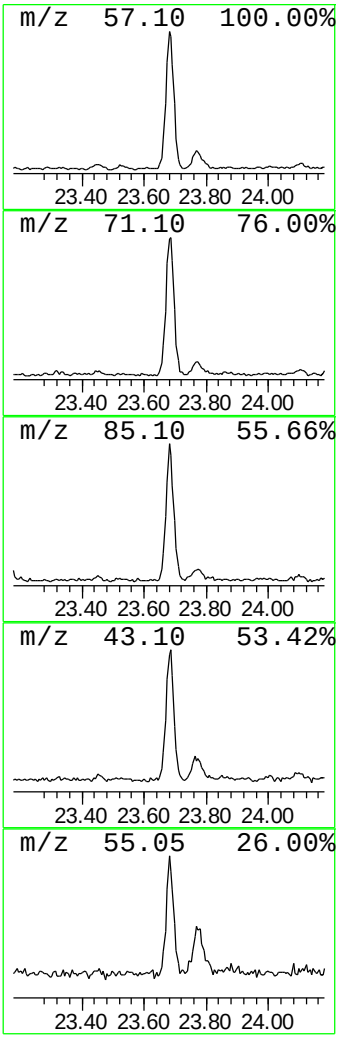
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.68 | 3.18 ng/ul | 405092 | Perylene-d12 | 23.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 80 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |
| 5 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM123019\
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**Instrument :** BNA_M
**ClientSampleId :** C0C72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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 |
| (DEL) Alkane: Cyc... | 20.79 | 3.6 | ng/ul | 440305 | 5 | 21.05 | 2454900 | 20.0 |
| (DEL) Alkane: Str... | 22.56 | 2.4 | ng/ul | 309448 | 6 | 23.17 | 2547530 | 20.0 |
| (DEL) Alkane: Str... | 23.68 | 3.2 | ng/ul | 405092 | 6 | 23.17 | 2547530 | 20.0 |