LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

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_G\METHODS\SOM-EPA-BG080319MA.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 | 3.146 | 5 | 10 | 27 | rVB | 582127 | 932200 | 41.28% | 4.438% |
| 2 | 3.410 | 50 | 55 | 60 | rBV3 | 11286 | 17424 | 0.77% | 0.083% |
| 3 | 4.080 | 165 | 169 | 177 | rVB6 | 4171 | 8078 | 0.36% | 0.038% |
| 4 | 7.177 | 689 | 696 | 707 | rBV | 54320 | 108224 | 4.79% | 0.515% |
| 5 | 7.341 | 717 | 724 | 737 | rBV | 161560 | 284161 | 12.58% | 1.353% |
| 6 | 7.553 | 753 | 760 | 771 | rBV | 201600 | 354595 | 15.70% | 1.688% |
| 7 | 8.023 | 833 | 840 | 849 | rBV | 224622 | 399490 | 17.69% | 1.902% |
| 8 | 8.734 | 952 | 961 | 972 | rBV2 | 152673 | 291364 | 12.90% | 1.387% |
| 9 | 9.192 | 1031 | 1039 | 1050 | rBV | 215259 | 398604 | 17.65% | 1.898% |
| 10 | 9.920 | 1155 | 1163 | 1175 | rBV | 192784 | 353816 | 15.67% | 1.685% |
| 11 | 10.467 | 1246 | 1256 | 1272 | rBV | 270879 | 575452 | 25.48% | 2.740% |
| 12 | 10.849 | 1313 | 1321 | 1333 | rBV | 332141 | 607490 | 26.90% | 2.892% |
| 13 | 10.990 | 1338 | 1345 | 1355 | rVV3 | 15397 | 36069 | 1.60% | 0.172% |
| 14 | 12.453 | 1585 | 1594 | 1601 | rBV3 | 4890 | 12314 | 0.55% | 0.059% |
| 15 | 13.522 | 1770 | 1776 | 1782 | rBV2 | 5137 | 9244 | 0.41% | 0.044% |
| 16 | 14.080 | 1865 | 1871 | 1876 | rBV | 629334 | 977668 | 43.29% | 4.655% |
| 17 | 14.133 | 1876 | 1880 | 1890 | rVB | 104335 | 162082 | 7.18% | 0.772% |
| 18 | 14.374 | 1914 | 1921 | 1931 | rBV | 736114 | 1210487 | 53.60% | 5.763% |
| 19 | 14.685 | 1965 | 1974 | 1985 | rBV | 612581 | 946579 | 41.91% | 4.507% |
| 20 | 14.879 | 2000 | 2007 | 2021 | rBV2 | 35358 | 94435 | 4.18% | 0.450% |
| 21 | 15.678 | 2136 | 2143 | 2156 | rBV | 1063609 | 1591907 | 70.49% | 7.579% |
| 22 | 15.790 | 2156 | 2162 | 2176 | rVV | 268790 | 436215 | 19.32% | 2.077% |
| 23 | 15.919 | 2179 | 2184 | 2191 | rVB2 | 12164 | 19161 | 0.85% | 0.091% |
| 24 | 16.395 | 2263 | 2265 | 2268 | rBV2 | 2147 | 2293 | 0.10% | 0.011% |
| 25 | 16.466 | 2273 | 2277 | 2281 | rVB5 | 5476 | 6981 | 0.31% | 0.033% |
| 26 | 17.353 | 2423 | 2428 | 2430 | rBV3 | 1634 | 2259 | 0.10% | 0.011% |
| 27 | 17.435 | 2436 | 2442 | 2453 | rBV2 | 762986 | 1168345 | 51.73% | 5.563% |
| 28 | 17.535 | 2453 | 2459 | 2468 | rBV | 1158552 | 1755959 | 77.75% | 8.361% |
| 29 | 17.940 | 2524 | 2528 | 2530 | rBV4 | 2264 | 2578 | 0.11% | 0.012% |
| 30 | 18.111 | 2553 | 2557 | 2560 | rBV4 | 1831 | 2594 | 0.11% | 0.012% |
| 31 | 18.199 | 2570 | 2572 | 2575 | rBV3 | 2092 | 2465 | 0.11% | 0.012% |
| 32 | 18.334 | 2590 | 2595 | 2603 | rBV5 | 18455 | 39072 | 1.73% | 0.186% |
| 33 | 18.628 | 2641 | 2645 | 2650 | rBV5 | 4414 | 9193 | 0.41% | 0.044% |
| 34 | 18.881 | 2685 | 2688 | 2691 | rBV5 | 1970 | 2372 | 0.11% | 0.011% |

LSC Area Percent Report

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Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

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_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.198 | 2738 | 2742 | 2744 | rBV4 | 5416 | 8296 | 0.37% | 0.039% |
| 36 | 19.262 | 2749 | 2753 | 2759 | rVB4 | 8069 | 12872 | 0.57% | 0.061% |
| 37 | 19.462 | 2783 | 2787 | 2795 | rVV2 | 20082 | 34151 | 1.51% | 0.163% |
| 38 | 19.603 | 2807 | 2811 | 2812 | rBV3 | 5195 | 5588 | 0.25% | 0.027% |
| 39 | 19.715 | 2826 | 2830 | 2834 | rBV | 13687 | 18584 | 0.82% | 0.088% |
| 40 | 19.826 | 2842 | 2849 | 2859 | rBV | 1488162 | 2195233 | 97.21% | 10.452% |
| 41 | 20.361 | 2933 | 2940 | 2944 | rBV2 | 22933 | 35617 | 1.58% | 0.170% |
| 42 | 20.855 | 3020 | 3024 | 3028 | rBV2 | 32854 | 40961 | 1.81% | 0.195% |
| 43 | 20.890 | 3028 | 3030 | 3033 | rVV4 | 4587 | 4372 | 0.19% | 0.021% |
| 44 | 21.366 | 3106 | 3111 | 3124 | rBV2 | 93972 | 200948 | 8.90% | 0.957% |
| 45 | 21.718 | 3164 | 3171 | 3180 | rBV2 | 799820 | 1343037 | 59.47% | 6.395% |
| 46 | 21.930 | 3202 | 3207 | 3212 | rVB2 | 49255 | 74816 | 3.31% | 0.356% |
| 47 | 22.547 | 3307 | 3312 | 3317 | rBV | 55854 | 90523 | 4.01% | 0.431% |
| 48 | 23.258 | 3427 | 3433 | 3442 | rVB2 | 61459 | 123454 | 5.47% | 0.588% |
| 49 | 24.080 | 3567 | 3573 | 3583 | rVB3 | 64690 | 141467 | 6.26% | 0.674% |
| 50 | 24.762 | 3678 | 3689 | 3701 | rBV | 801163 | 2258332 | 100.00% | 10.752% |
| 51 | 24.985 | 3717 | 3727 | 3735 | rBV2 | 496865 | 1385270 | 61.34% | 6.596% |
| 52 | 26.219 | 3930 | 3937 | 3947 | rVB5 | 40167 | 123375 | 5.46% | 0.587% |
| 53 | 27.606 | 4166 | 4173 | 4184 | rVB6 | 22523 | 84860 | 3.76% | 0.404% |

Sum of corrected areas: 21002926

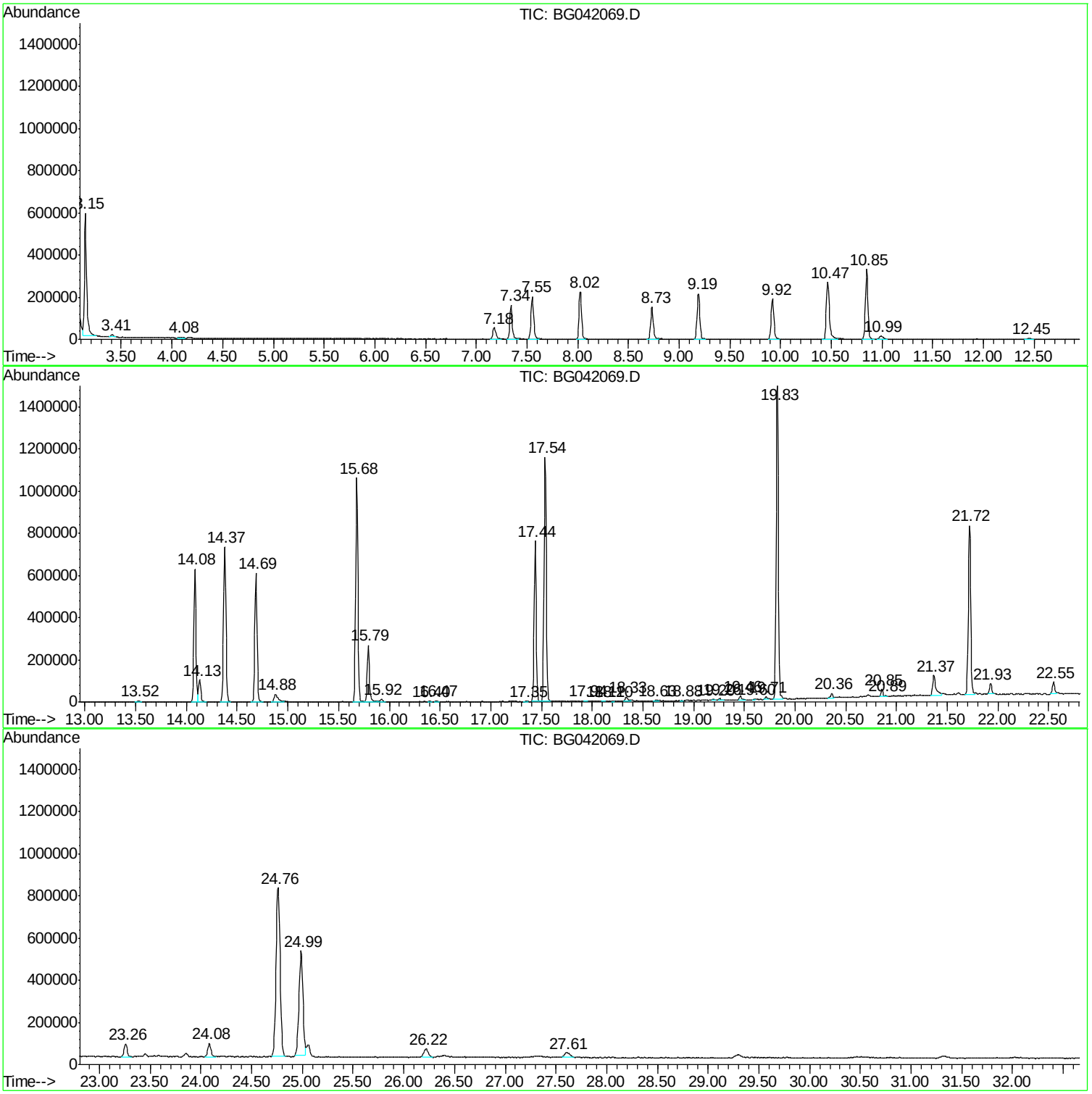
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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 G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

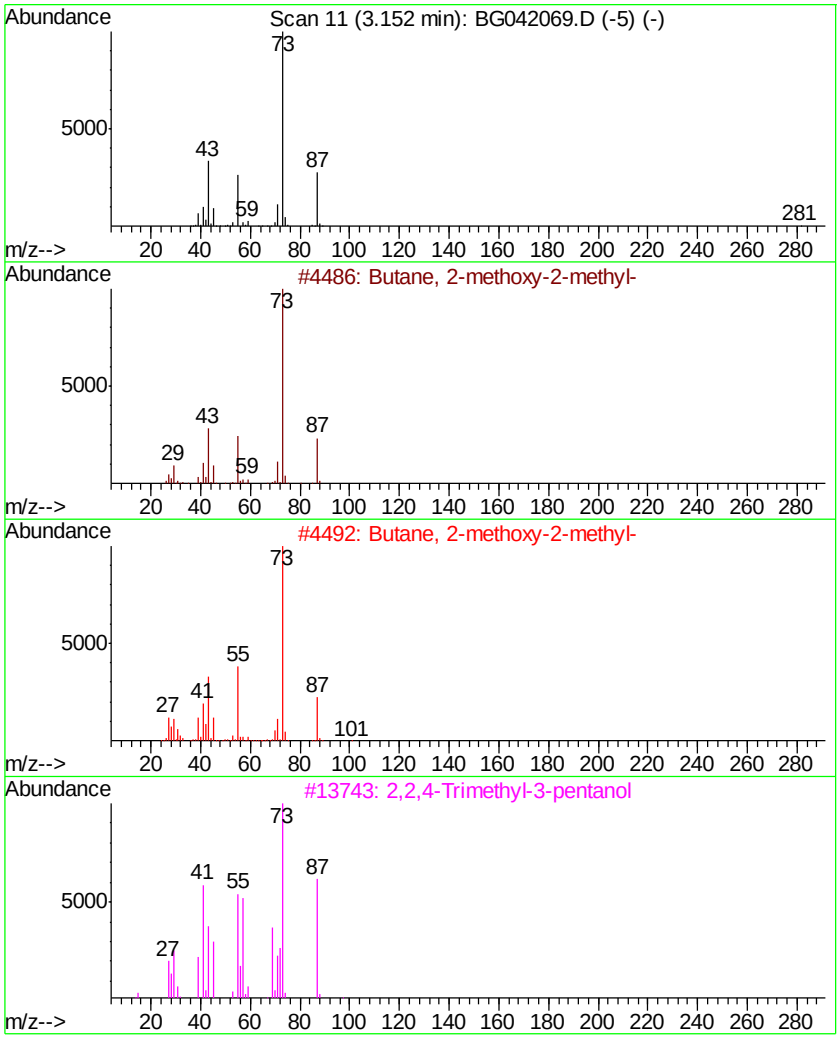
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

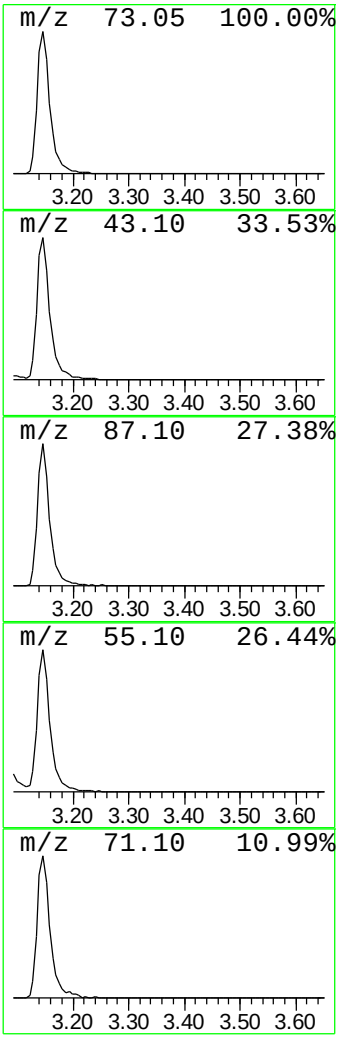
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.15 | 46.67 ng/ul | 932200 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 45 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

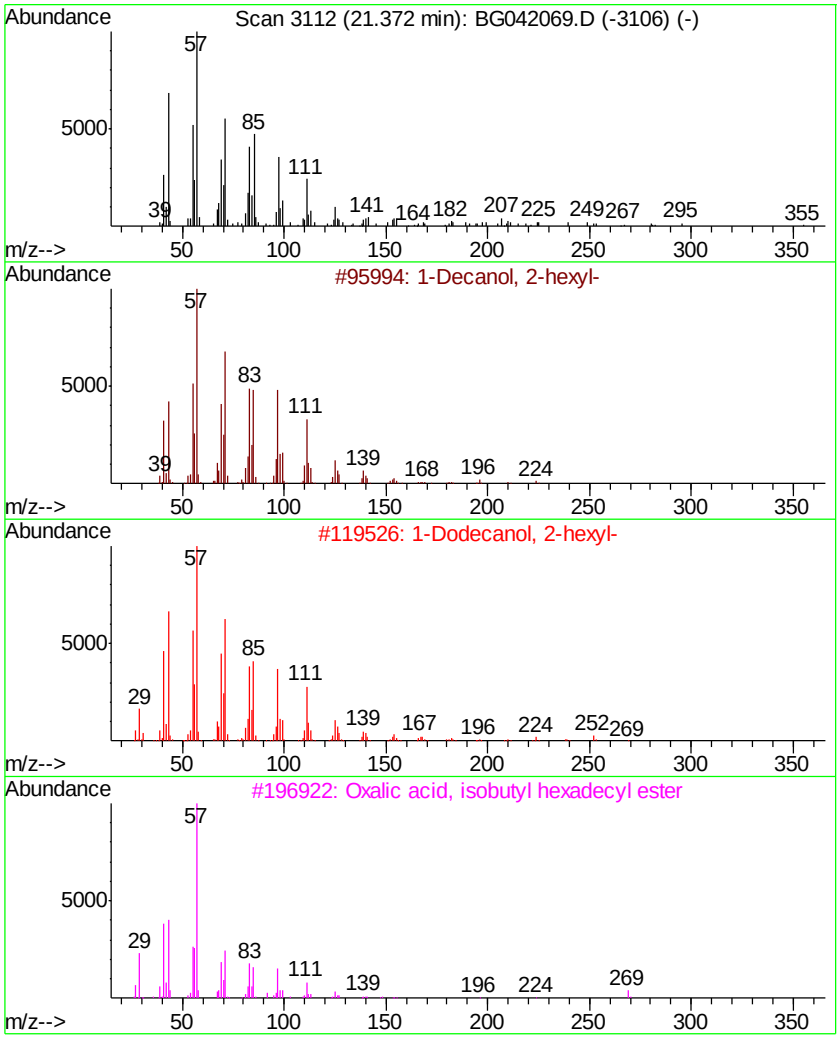
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

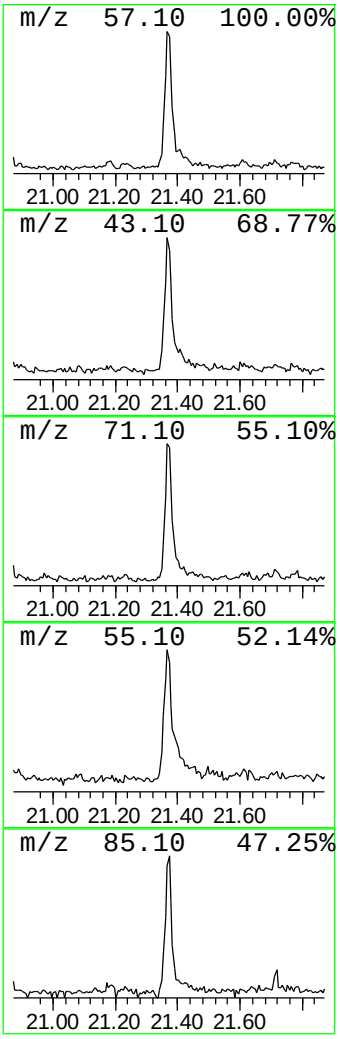
**********

Peak Number 2 1-Decanol, 2-hexyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.37 | 2.99 ng/ul | 200948 | Chrysene-d12 | 21.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 91 |
| 2 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 91 |
| 3 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 91 |
| 4 | Triacontyl heptafluorobutyrate | 634 | C34H61F7O2 | 1000351-83-2 | 91 |
| 5 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

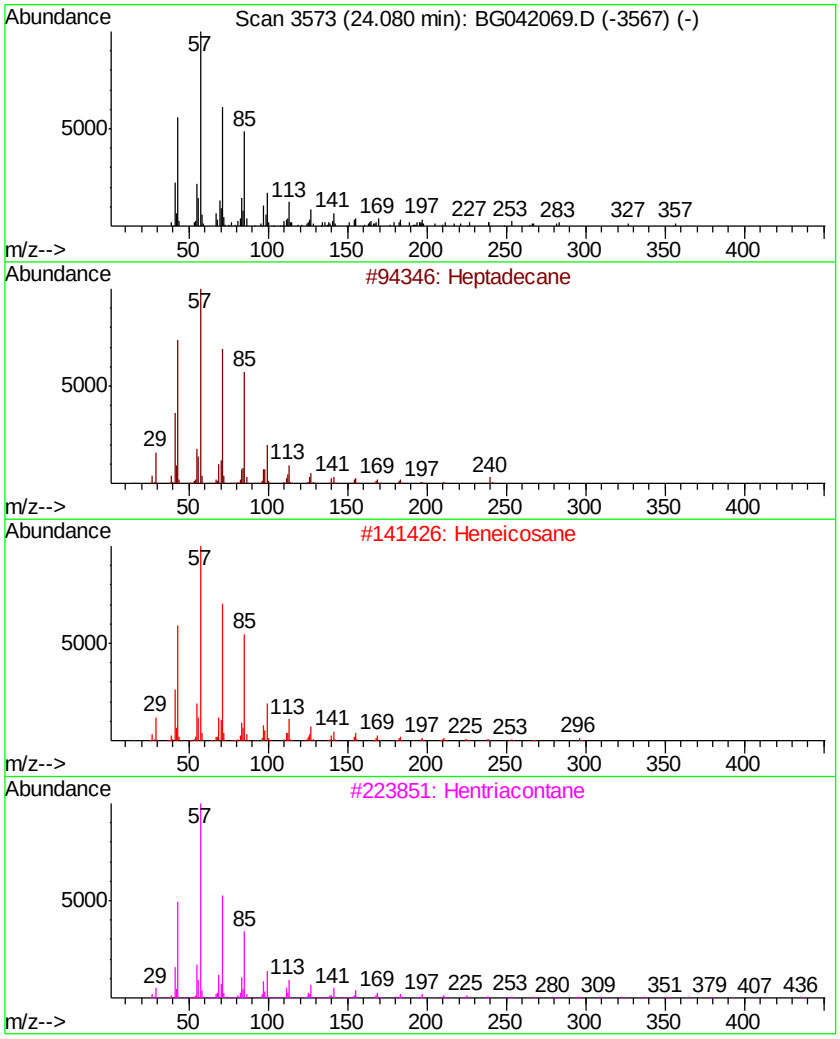
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

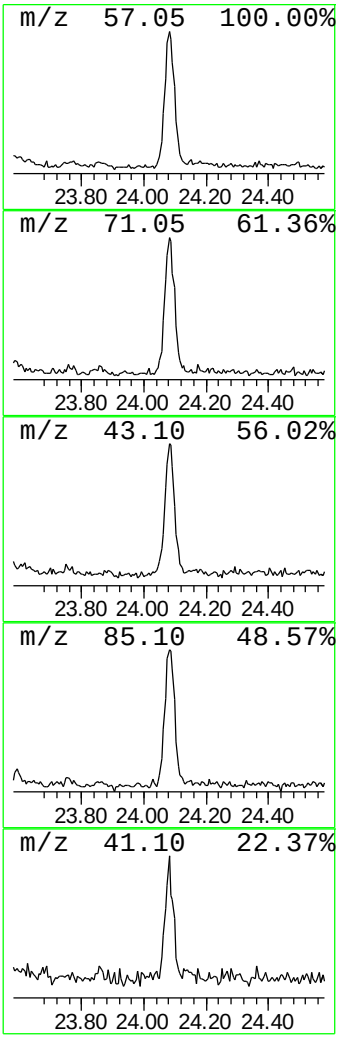
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.08 | 2.04 ng/ul | 141467 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080719\
Data File : BG042069.D
Acq On : 8 Aug 2019 16:03
Operator : HP/JU
Sample : K4149-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AN9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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 |
| Butane, 2-methoxy... | 3.15 | 46.7 | ng/ul | 932200 | 1 | 8.02 | 399490 | 20.0 |
| 1-Decanol, 2-hexyl- | 21.37 | 3.0 | ng/ul | 200948 | 5 | 21.72 | 1343040 | 20.0 |
| (DEL) Alkane: Str... | 24.08 | 2.0 | ng/ul | 141467 | 6 | 24.99 | 1385270 | 20.0 |