LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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 | 3.147 | 5 | 10 | 30 | rVB | 1538606 | 2455491 | 100.00% | 10.410% |
| 2 | 3.411 | 51 | 55 | 65 | rVB2 | 10689 | 18404 | 0.75% | 0.078% |
| 3 | 3.940 | 142 | 145 | 152 | rVB5 | 4037 | 6572 | 0.27% | 0.028% |
| 4 | 4.075 | 163 | 168 | 173 | rBV | 11572 | 18932 | 0.77% | 0.080% |
| 5 | 4.175 | 181 | 185 | 191 | rVB3 | 4093 | 6602 | 0.27% | 0.028% |
| 6 | 5.103 | 338 | 343 | 347 | rBV3 | 2996 | 5122 | 0.21% | 0.022% |
| 7 | 6.660 | 605 | 608 | 614 | rBV3 | 1889 | 3245 | 0.13% | 0.014% |
| 8 | 7.177 | 689 | 696 | 713 | rVB | 185708 | 375158 | 15.28% | 1.591% |
| 9 | 7.342 | 718 | 724 | 738 | rBV | 152044 | 265683 | 10.82% | 1.126% |
| 10 | 7.553 | 754 | 760 | 771 | rBV | 210916 | 376792 | 15.34% | 1.597% |
| 11 | 8.029 | 834 | 841 | 849 | rBV | 245684 | 428938 | 17.47% | 1.819% |
| 12 | 8.094 | 849 | 852 | 855 | rVB3 | 2726 | 3279 | 0.13% | 0.014% |
| 13 | 8.258 | 875 | 880 | 885 | rVB4 | 5438 | 8816 | 0.36% | 0.037% |
| 14 | 8.734 | 953 | 961 | 977 | rBV | 205953 | 374848 | 15.27% | 1.589% |
| 15 | 8.852 | 977 | 981 | 988 | rVB5 | 3206 | 5548 | 0.23% | 0.024% |
| 16 | 9.192 | 1030 | 1039 | 1050 | rBV | 194027 | 359682 | 14.65% | 1.525% |
| 17 | 9.639 | 1108 | 1115 | 1122 | rVB3 | 7109 | 11162 | 0.45% | 0.047% |
| 18 | 9.921 | 1155 | 1163 | 1172 | rBV | 178695 | 322467 | 13.13% | 1.367% |
| 19 | 10.467 | 1247 | 1256 | 1272 | rBV | 283509 | 530652 | 21.61% | 2.250% |
| 20 | 10.849 | 1314 | 1321 | 1333 | rBV | 360537 | 647985 | 26.39% | 2.747% |
| 21 | 10.978 | 1335 | 1343 | 1355 | rBV2 | 145086 | 297484 | 12.12% | 1.261% |
| 22 | 11.343 | 1399 | 1405 | 1411 | rBV3 | 7462 | 14239 | 0.58% | 0.060% |
| 23 | 12.441 | 1586 | 1592 | 1599 | rBV4 | 4197 | 7700 | 0.31% | 0.033% |
| 24 | 13.517 | 1769 | 1775 | 1781 | rBV5 | 3260 | 5509 | 0.22% | 0.023% |
| 25 | 13.581 | 1781 | 1786 | 1790 | rBV5 | 7896 | 11932 | 0.49% | 0.051% |
| 26 | 13.828 | 1822 | 1828 | 1833 | rBV2 | 5640 | 12129 | 0.49% | 0.051% |
| 27 | 14.087 | 1864 | 1872 | 1876 | rBV | 545576 | 824958 | 33.60% | 3.497% |
| 28 | 14.134 | 1876 | 1880 | 1891 | rVB | 266960 | 404149 | 16.46% | 1.713% |
| 29 | 14.380 | 1915 | 1922 | 1932 | rVB | 660709 | 1039576 | 42.34% | 4.407% |
| 30 | 14.586 | 1954 | 1957 | 1962 | rBV3 | 3493 | 5313 | 0.22% | 0.023% |
| 31 | 14.686 | 1962 | 1974 | 1982 | rBV | 628264 | 1004294 | 40.90% | 4.258% |
| 32 | 14.874 | 1999 | 2006 | 2016 | rBV | 97912 | 201212 | 8.19% | 0.853% |
| 33 | 15.097 | 2039 | 2044 | 2049 | rVB3 | 17731 | 26329 | 1.07% | 0.112% |
| 34 | 15.203 | 2058 | 2062 | 2069 | rVB4 | 4342 | 9344 | 0.38% | 0.040% |

LSC Area Percent Report

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Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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 | 15.497 | 2103 | 2112 | 2115 | rBV4 | 4199 | 9388 | 0.38% | 0.040% |
| 36 | 15.538 | 2115 | 2119 | 2123 | rVB3 | 3848 | 5623 | 0.23% | 0.024% |
| 37 | 15.679 | 2136 | 2143 | 2151 | rBV | 890869 | 1342193 | 54.66% | 5.690% |
| 38 | 15.796 | 2156 | 2163 | 2174 | rBV | 147928 | 245917 | 10.01% | 1.043% |
| 39 | 15.920 | 2180 | 2184 | 2190 | rBV3 | 9866 | 14080 | 0.57% | 0.060% |
| 40 | 16.055 | 2196 | 2207 | 2211 | rBV7 | 6574 | 12787 | 0.52% | 0.054% |
| 41 | 16.096 | 2211 | 2214 | 2220 | rVB4 | 2087 | 4034 | 0.16% | 0.017% |
| 42 | 16.161 | 2220 | 2225 | 2226 | rBV3 | 2423 | 3330 | 0.14% | 0.014% |
| 43 | 16.266 | 2239 | 2243 | 2248 | rVB7 | 2474 | 4604 | 0.19% | 0.020% |
| 44 | 16.402 | 2262 | 2266 | 2274 | rBV6 | 6251 | 12814 | 0.52% | 0.054% |
| 45 | 16.466 | 2274 | 2277 | 2282 | rVB4 | 4394 | 5052 | 0.21% | 0.021% |
| 46 | 16.554 | 2288 | 2292 | 2302 | rVB7 | 5244 | 13142 | 0.54% | 0.056% |
| 47 | 16.684 | 2310 | 2314 | 2316 | rVB4 | 3130 | 3769 | 0.15% | 0.016% |
| 48 | 17.095 | 2380 | 2384 | 2385 | rBV3 | 4555 | 5465 | 0.22% | 0.023% |
| 49 | 17.136 | 2386 | 2391 | 2396 | rVV2 | 28058 | 39177 | 1.60% | 0.166% |
| 50 | 17.201 | 2398 | 2402 | 2404 | rVV3 | 2673 | 3554 | 0.14% | 0.015% |
| 51 | 17.253 | 2409 | 2411 | 2417 | rVB3 | 4357 | 4557 | 0.19% | 0.019% |
| 52 | 17.336 | 2421 | 2425 | 2431 | rBV3 | 8607 | 18028 | 0.73% | 0.076% |
| 53 | 17.436 | 2431 | 2442 | 2447 | rBV2 | 761177 | 1200039 | 48.87% | 5.088% |
| 54 | 17.483 | 2447 | 2450 | 2453 | rVV | 56056 | 80133 | 3.26% | 0.340% |
| 55 | 17.536 | 2453 | 2459 | 2471 | rVV2 | 893790 | 1410367 | 57.44% | 5.979% |
| 56 | 17.818 | 2500 | 2507 | 2508 | rBV5 | 6651 | 10219 | 0.42% | 0.043% |
| 57 | 17.835 | 2508 | 2510 | 2514 | rVV3 | 8620 | 11083 | 0.45% | 0.047% |
| 58 | 17.935 | 2522 | 2527 | 2530 | rBV5 | 4202 | 6567 | 0.27% | 0.028% |
| 59 | 18.023 | 2538 | 2542 | 2544 | rBV4 | 3520 | 5474 | 0.22% | 0.023% |
| 60 | 18.111 | 2552 | 2557 | 2560 | rBV6 | 3033 | 4665 | 0.19% | 0.020% |
| 61 | 18.217 | 2571 | 2575 | 2578 | rBV4 | 10868 | 18144 | 0.74% | 0.077% |
| 62 | 18.276 | 2582 | 2585 | 2586 | rVV3 | 5969 | 5663 | 0.23% | 0.024% |
| 63 | 18.335 | 2589 | 2595 | 2605 | rBV2 | 104390 | 204890 | 8.34% | 0.869% |
| 64 | 18.446 | 2612 | 2614 | 2620 | rVB6 | 5811 | 10181 | 0.41% | 0.043% |
| 65 | 18.511 | 2620 | 2625 | 2629 | rBV3 | 18821 | 35659 | 1.45% | 0.151% |
| 66 | 18.634 | 2642 | 2646 | 2648 | rBV4 | 8928 | 12166 | 0.50% | 0.052% |
| 67 | 18.769 | 2665 | 2669 | 2673 | rBV7 | 10502 | 15475 | 0.63% | 0.066% |
| 68 | 18.810 | 2673 | 2676 | 2680 | rVV2 | 9671 | 15922 | 0.65% | 0.068% |
| 69 | 18.846 | 2680 | 2682 | 2691 | rVB3 | 16467 | 23916 | 0.97% | 0.101% |
| 70 | 19.040 | 2711 | 2715 | 2716 | rBV4 | 4850 | 5555 | 0.23% | 0.024% |
| 71 | 19.057 | 2716 | 2718 | 2722 | rBV5 | 4899 | 6838 | 0.28% | 0.029% |

LSC Area Percent Report

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Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.098 | 2724 | 2725 | 2731 | rVB6 | 6411 | 8996 | 0.37% | 0.038% |
| 73 | 19.145 | 2731 | 2733 | 2737 | rVB4 | 5645 | 5038 | 0.21% | 0.021% |
| 74 | 19.192 | 2737 | 2741 | 2742 | rBV4 | 9093 | 11390 | 0.46% | 0.048% |
| 75 | 19.228 | 2744 | 2747 | 2750 | rVV3 | 9667 | 14916 | 0.61% | 0.063% |
| 76 | 19.257 | 2750 | 2752 | 2755 | rVB3 | 11228 | 10646 | 0.43% | 0.045% |
| 77 | 19.328 | 2759 | 2764 | 2769 | rBV | 144207 | 195685 | 7.97% | 0.830% |
| 78 | 19.427 | 2779 | 2781 | 2783 | rBV3 | 6029 | 6337 | 0.26% | 0.027% |
| 79 | 19.492 | 2787 | 2792 | 2798 | rVB | 175581 | 254820 | 10.38% | 1.080% |
| 80 | 19.557 | 2798 | 2803 | 2804 | rBV5 | 5520 | 8746 | 0.36% | 0.037% |
| 81 | 19.604 | 2808 | 2811 | 2814 | rBV5 | 15596 | 18228 | 0.74% | 0.077% |
| 82 | 19.698 | 2823 | 2827 | 2831 | rBV3 | 28009 | 44815 | 1.83% | 0.190% |
| 83 | 19.827 | 2842 | 2849 | 2861 | rBV2 | 1089650 | 1874600 | 76.34% | 7.947% |
| 84 | 20.185 | 2905 | 2910 | 2914 | rBV5 | 11091 | 22417 | 0.91% | 0.095% |
| 85 | 20.350 | 2934 | 2938 | 2943 | rVB4 | 33547 | 68672 | 2.80% | 0.291% |
| 86 | 20.444 | 2951 | 2954 | 2958 | rVB2 | 24206 | 29821 | 1.21% | 0.126% |
| 87 | 20.691 | 2992 | 2996 | 2999 | rBV3 | 24277 | 34086 | 1.39% | 0.145% |
| 88 | 20.861 | 3022 | 3025 | 3029 | rVB2 | 22490 | 26997 | 1.10% | 0.114% |
| 89 | 21.014 | 3048 | 3051 | 3059 | rBV7 | 33698 | 57083 | 2.32% | 0.242% |
| 90 | 21.372 | 3107 | 3112 | 3120 | rBV3 | 145194 | 302675 | 12.33% | 1.283% |
| 91 | 21.719 | 3164 | 3171 | 3177 | rBV2 | 782051 | 1428807 | 58.19% | 6.058% |
| 92 | 21.766 | 3177 | 3179 | 3187 | rVB | 89385 | 127497 | 5.19% | 0.541% |
| 93 | 21.924 | 3203 | 3206 | 3211 | rBV2 | 38307 | 52191 | 2.13% | 0.221% |
| 94 | 22.547 | 3308 | 3312 | 3321 | rBV3 | 71324 | 145805 | 5.94% | 0.618% |
| 95 | 23.258 | 3429 | 3433 | 3441 | rVB | 60986 | 111498 | 4.54% | 0.473% |
| 96 | 23.946 | 3544 | 3550 | 3559 | rBV3 | 66397 | 220558 | 8.98% | 0.935% |
| 97 | 24.087 | 3567 | 3574 | 3579 | rBV | 126063 | 255856 | 10.42% | 1.085% |
| 98 | 24.762 | 3680 | 3689 | 3697 | rBV | 563573 | 1522551 | 62.01% | 6.455% |
| 99 | 24.991 | 3718 | 3728 | 3735 | rBV2 | 482450 | 1371546 | 55.86% | 5.815% |
| 100 | 26.219 | 3929 | 3937 | 3949 | rVB4 | 136069 | 435005 | 17.72% | 1.844% |

Sum of corrected areas: 23587298

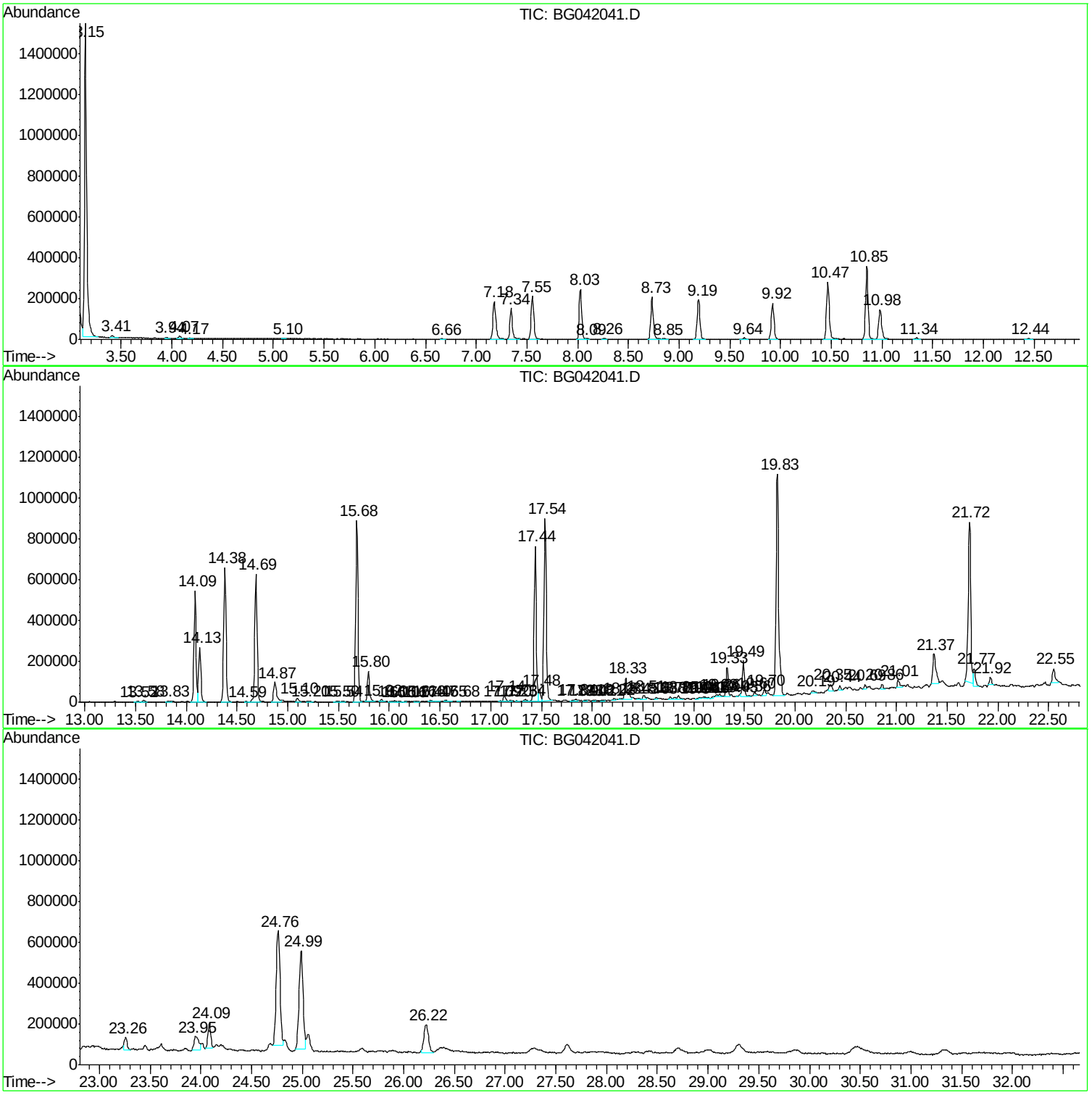
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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 : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

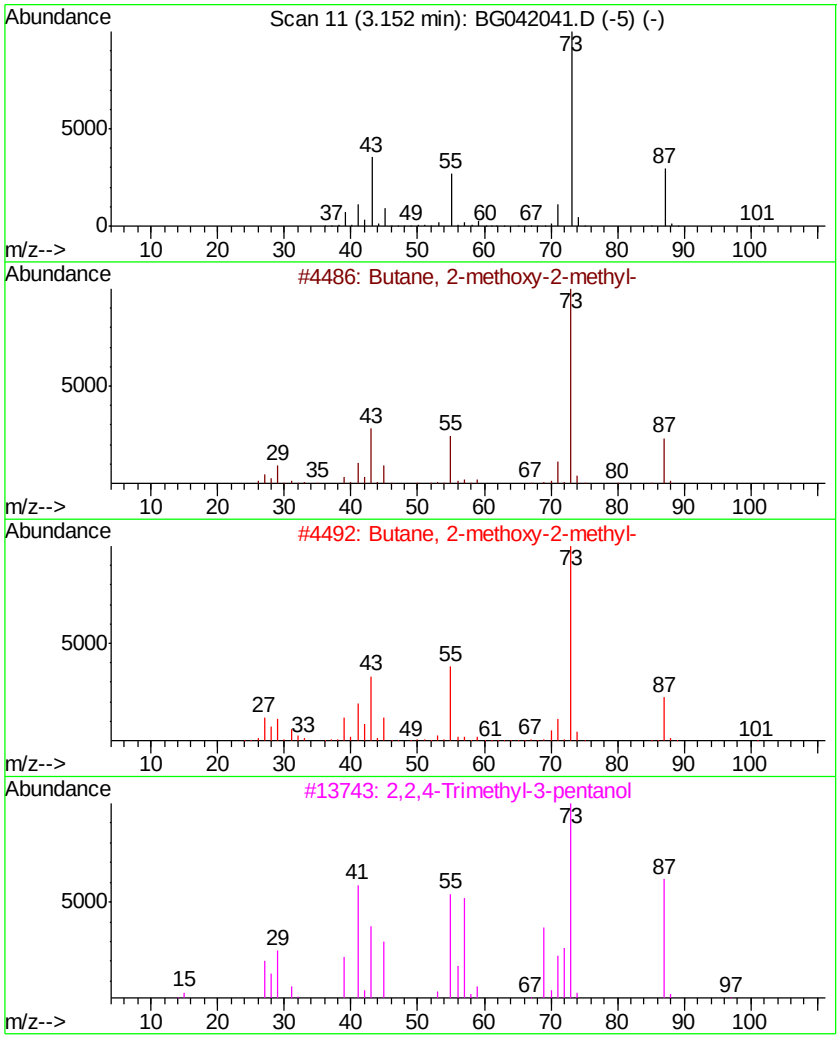
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

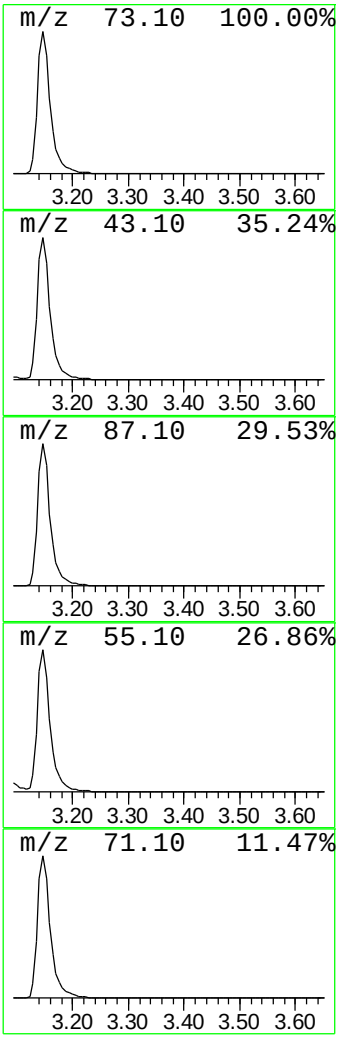
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.15 | 114.49 ng/ul | 2455490 | 1,4-Dichlorobenzene-d4 | 8.03 |

| 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 | 23 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

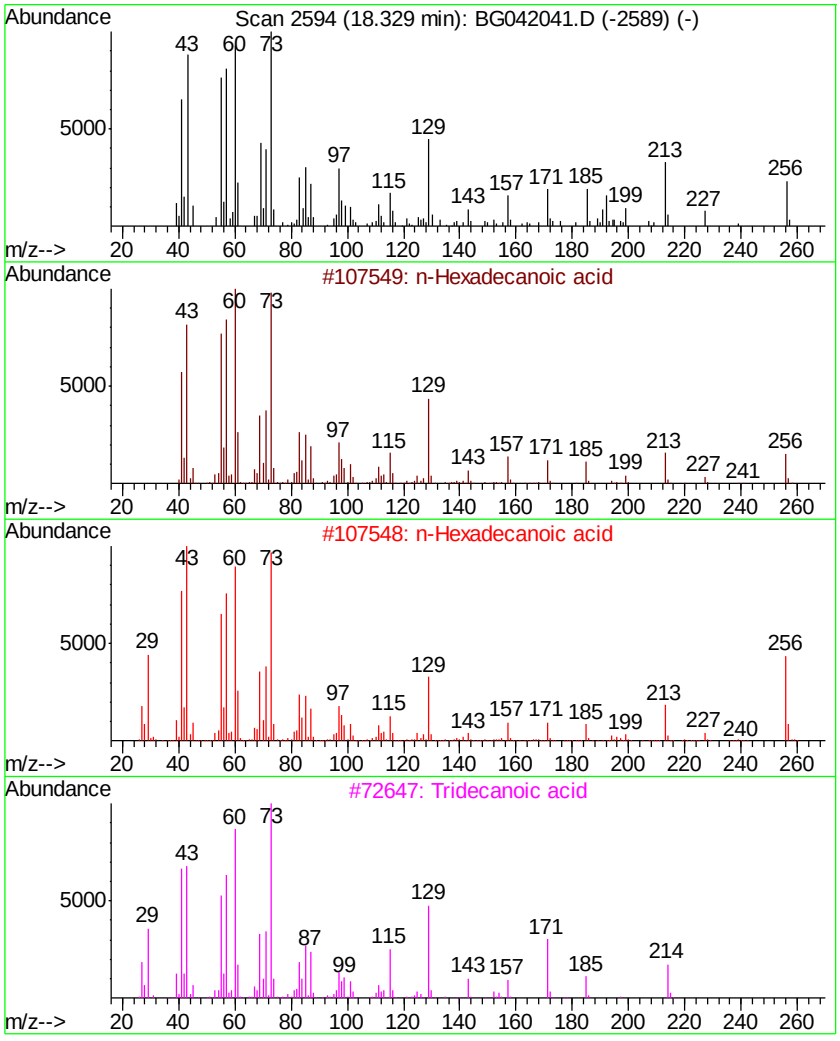
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

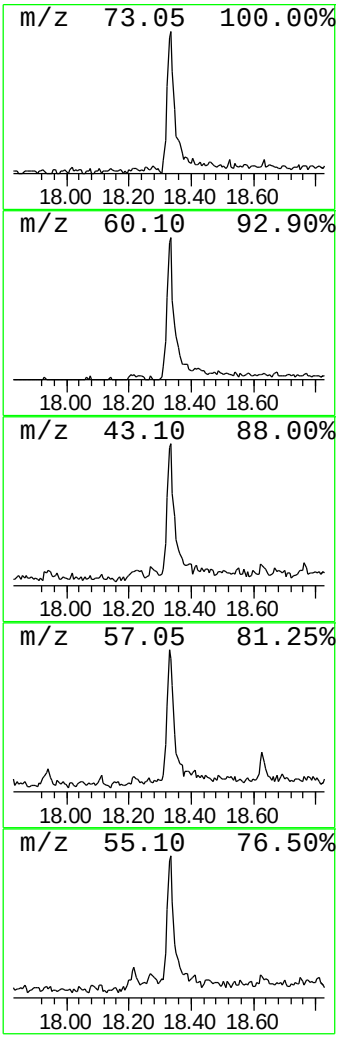
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.33 | 3.41 ng/ul | 204890 | Phenanthrene-d10 | 17.44 |

| 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 | 97 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 86 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

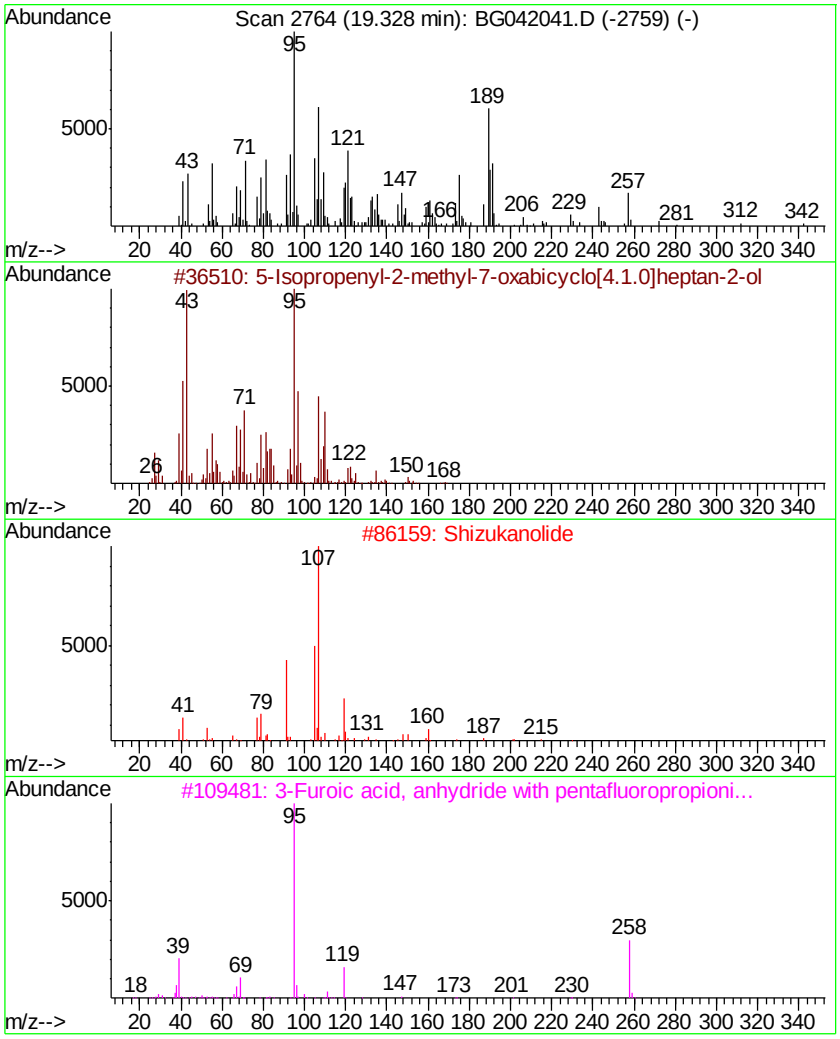
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

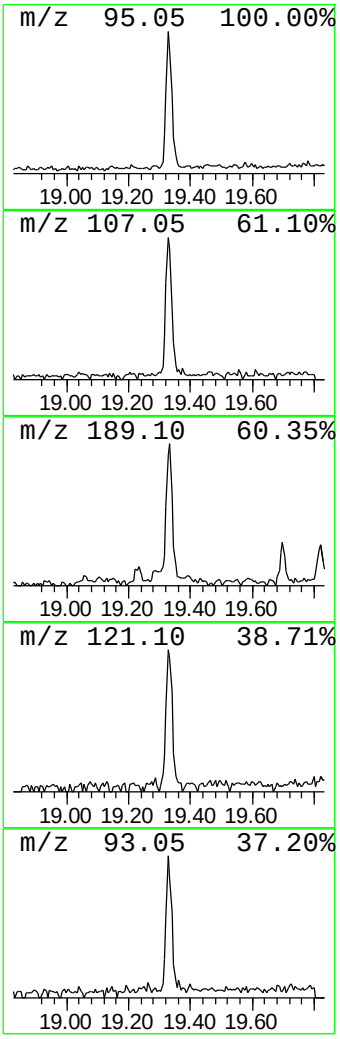
**********

Peak Number 3 unknown-01 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.33 | 3.26 ng/ul | 195685 | Phenanthrene-d10 | 17.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Isopropenyl-2-methyl-7-oxabicy... | 168 | C10H16O2 | 1000185-00-9 | 25 |
| 2 | Shizukanolide | 230 | C15H18O2 | 070578-36-8 | 25 |
| 3 | 3-Furoic acid, anhydride with pe... | 258 | C8H3F5O4 | 1000374-89-7 | 22 |
| 4 | Androst-2-ene | 258 | C19H30 | 040061-86-7 | 22 |
| 5 | 3a,6-Epoxy-3aH-isoindole, 1,2,3,... | 257 | C16H19NO2 | 071840-22-7 | 22 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
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Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

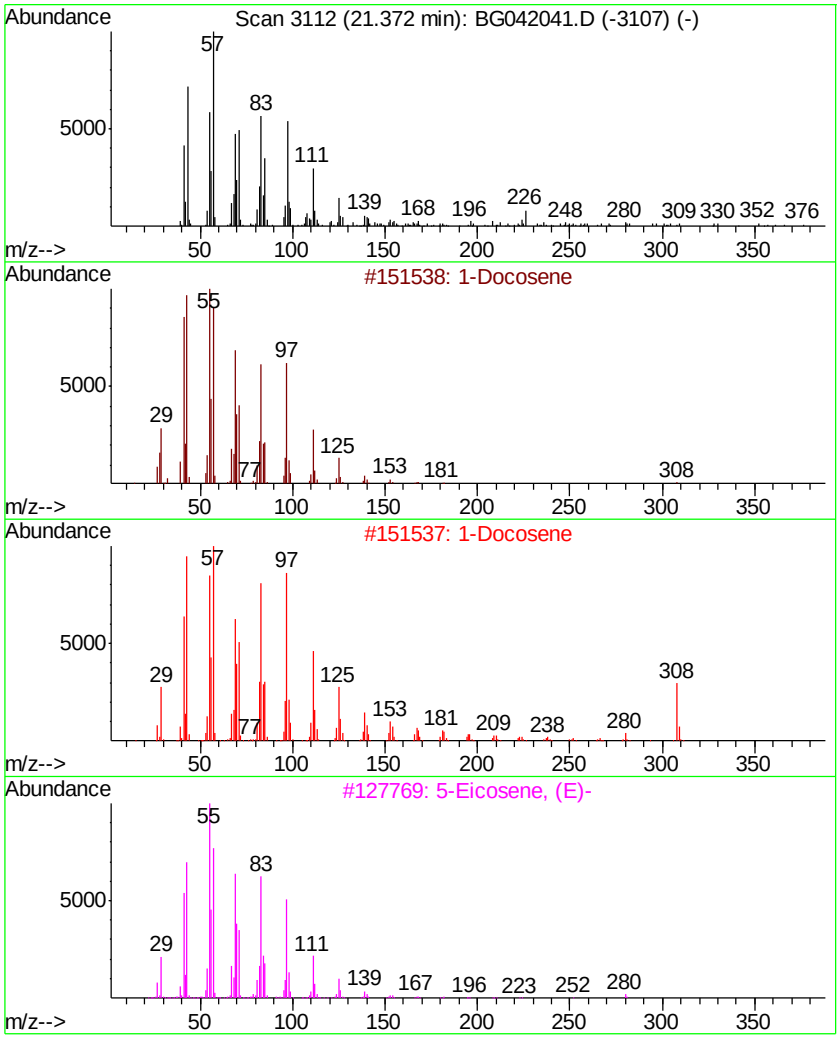
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

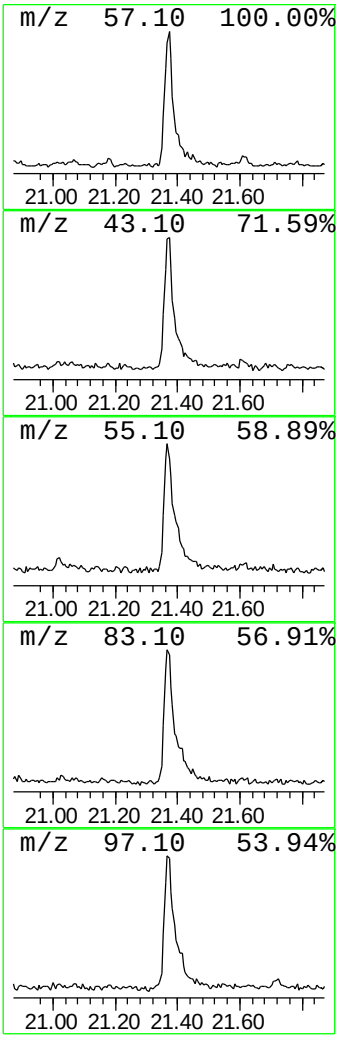
**********

Peak Number 4 (DEL) Alkane: Cyclic21.37 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.37 | 4.24 ng/ul | 302675 | Chrysene-d12 | 21.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 96 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 95 |
| 3 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 4 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 95 |
| 5 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 93 |



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Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

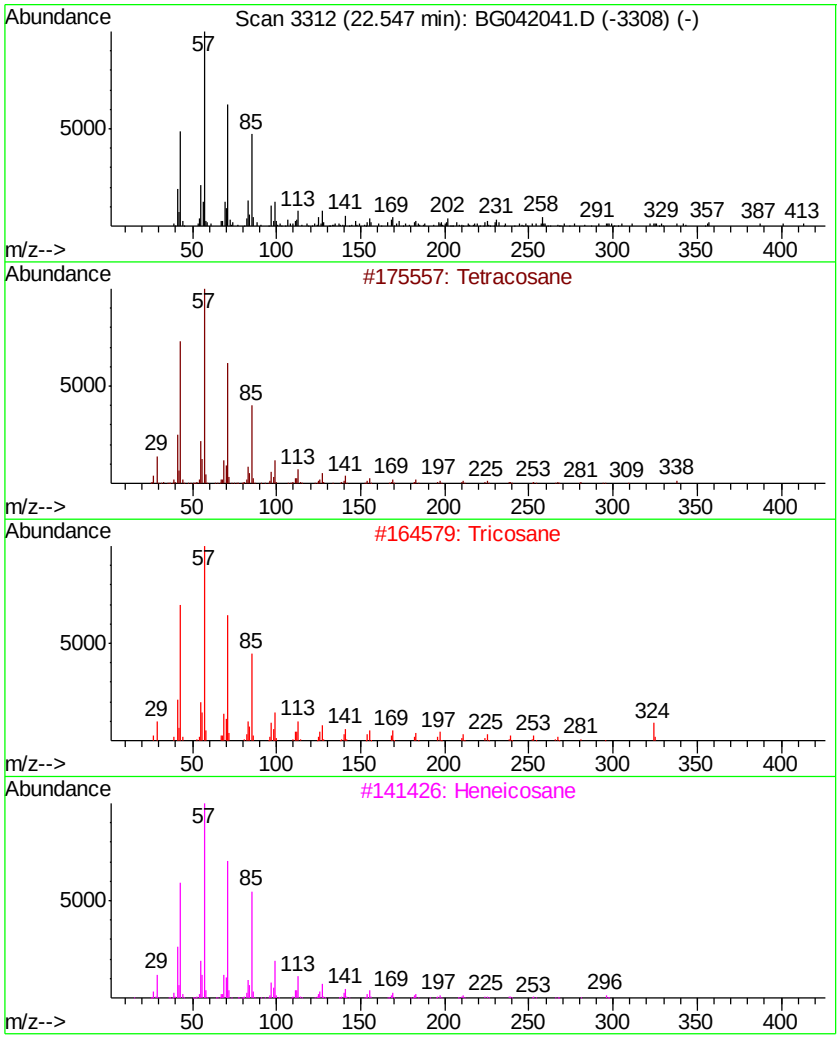
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

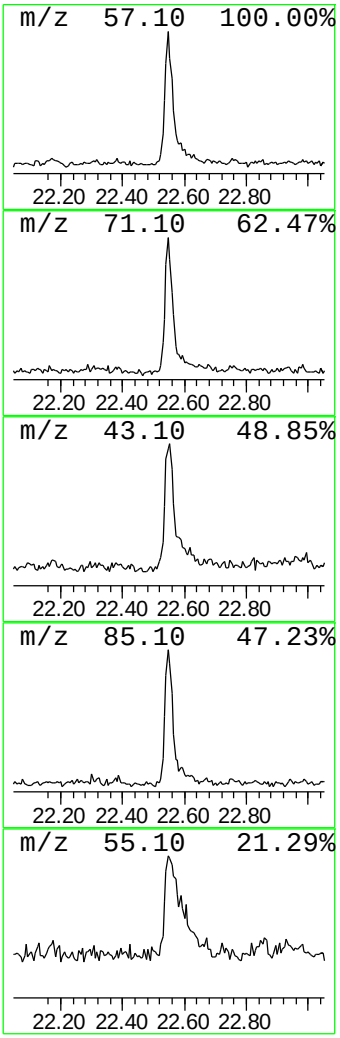
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.55 | 2.04 ng/ul | 145805 | Chrysene-d12 | 21.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 95 |
| 2 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

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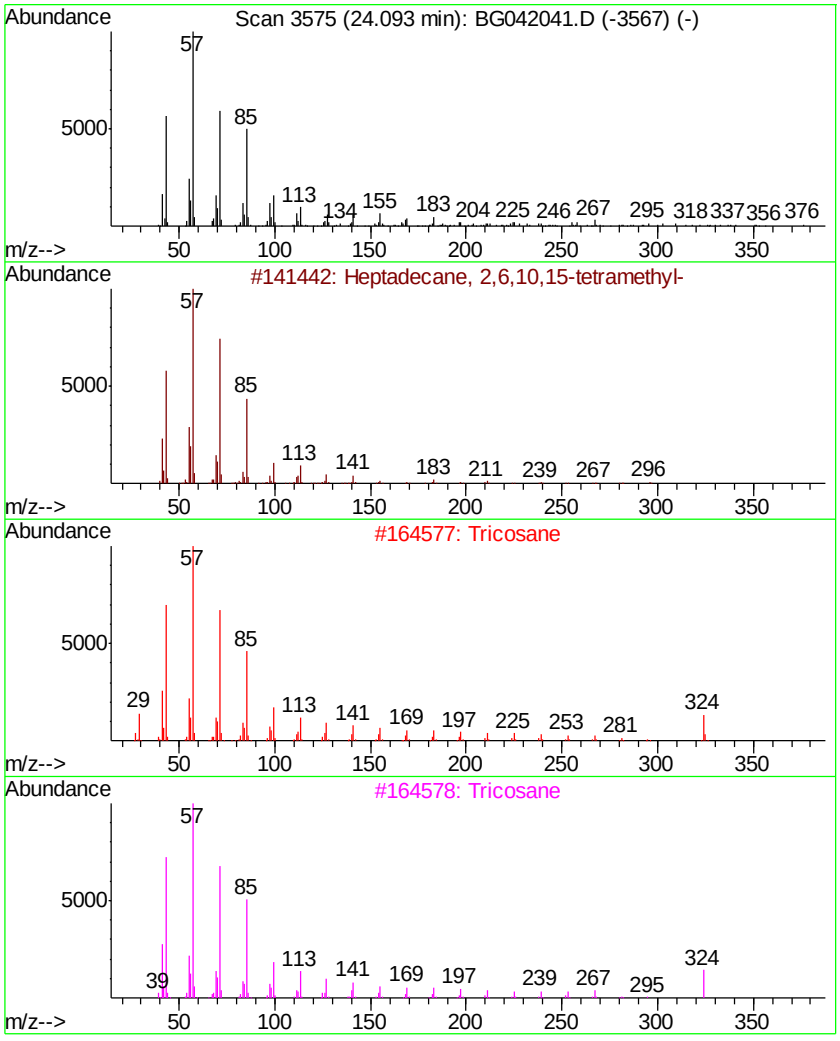
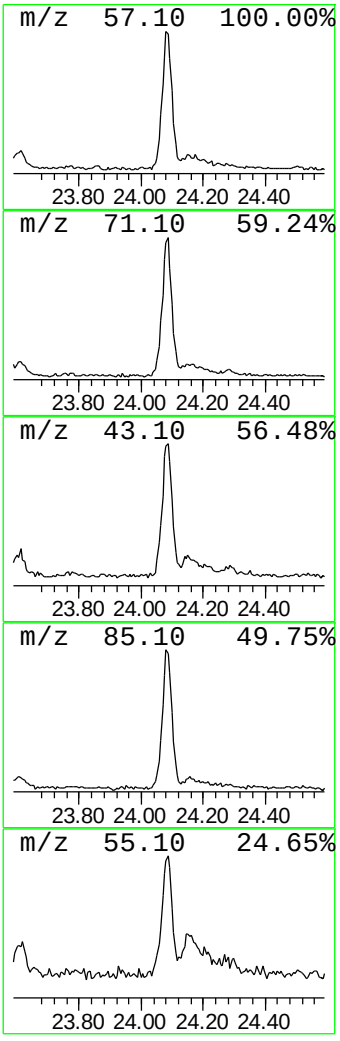
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.09 | 3.73 ng/ul | 255856 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 93 |
| 2 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 3 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 4 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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

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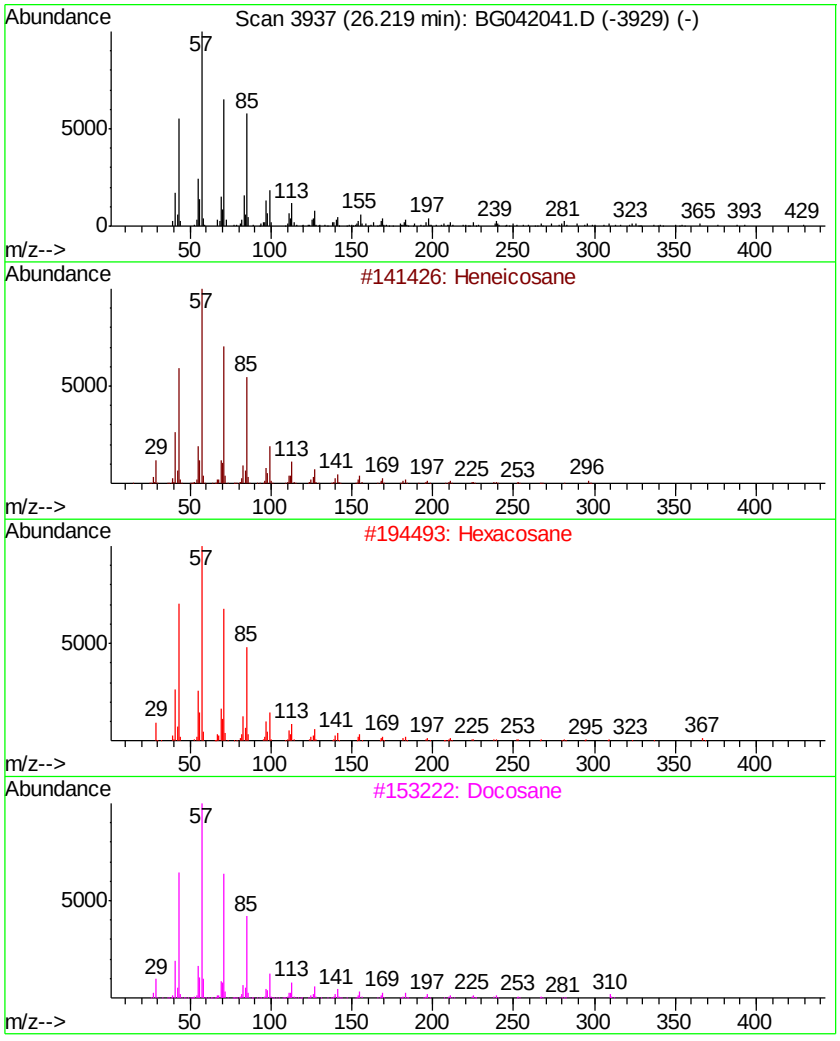
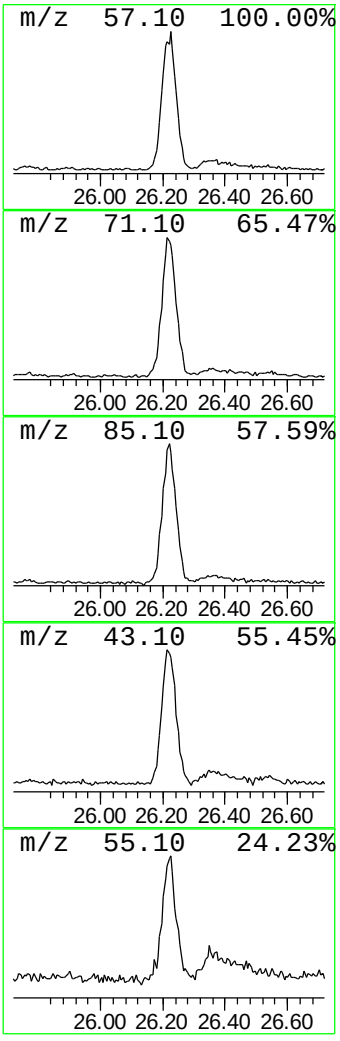
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.22 | 6.34 ng/ul | 435005 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 87 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |
| 5 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080719\
Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BENY4

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 | 114.5 | ng/ul | 2455490 | 1 | 8.03 | 428938 | 20.0 |
| n-Hexadecanoic acid | 18.33 | 3.4 | ng/ul | 204890 | 4 | 17.44 | 1200040 | 20.0 |
| unknown-01 | 19.33 | 3.3 | ng/ul | 195685 | 4 | 17.44 | 1200040 | 20.0 |
| (DEL) Alkane: Cyc... | 21.37 | 4.2 | ng/ul | 302675 | 5 | 21.72 | 1428810 | 20.0 |
| (DEL) Alkane: Str... | 22.55 | 2.0 | ng/ul | 145805 | 5 | 21.72 | 1428810 | 20.0 |
| (DEL) Alkane: Str... | 24.09 | 3.7 | ng/ul | 255856 | 6 | 24.99 | 1371550 | 20.0 |
| (DEL) Alkane: Str... | 26.22 | 6.3 | ng/ul | 435005 | 6 | 24.99 | 1371550 | 20.0 |