LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.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 | 3.184 | 56 | 59 | 66 | rVB4 | 2780 | 4992 | 0.27% | 0.028% |
| 2 | 3.531 | 115 | 118 | 123 | rVB | 3209 | 4428 | 0.24% | 0.025% |
| 3 | 6.797 | 669 | 674 | 680 | rVB | 3212 | 5244 | 0.28% | 0.029% |
| 4 | 7.273 | 749 | 755 | 764 | rBV | 82149 | 136214 | 7.39% | 0.756% |
| 5 | 7.444 | 778 | 784 | 795 | rBV | 58127 | 102719 | 5.57% | 0.570% |
| 6 | 7.538 | 796 | 800 | 805 | rVB2 | 4090 | 5851 | 0.32% | 0.032% |
| 7 | 7.655 | 811 | 820 | 827 | rVB | 78285 | 130579 | 7.08% | 0.725% |
| 8 | 8.125 | 891 | 900 | 907 | rBB | 60033 | 97204 | 5.27% | 0.540% |
| 9 | 8.819 | 1010 | 1018 | 1027 | rBV | 100791 | 173548 | 9.41% | 0.963% |
| 10 | 9.289 | 1091 | 1098 | 1106 | rBB | 80372 | 138460 | 7.51% | 0.769% |
| 11 | 10.011 | 1214 | 1221 | 1228 | rBB | 69309 | 121761 | 6.60% | 0.676% |
| 12 | 10.546 | 1306 | 1312 | 1321 | rBB | 98700 | 170686 | 9.25% | 0.947% |
| 13 | 10.934 | 1370 | 1378 | 1384 | rBV | 84143 | 154549 | 8.38% | 0.858% |
| 14 | 11.063 | 1392 | 1400 | 1414 | rBV2 | 39707 | 73423 | 3.98% | 0.408% |
| 15 | 13.613 | 1830 | 1834 | 1836 | rBV | 3767 | 4687 | 0.25% | 0.026% |
| 16 | 13.648 | 1836 | 1840 | 1847 | rVB2 | 9220 | 14775 | 0.80% | 0.082% |
| 17 | 14.136 | 1917 | 1923 | 1927 | rBV | 162379 | 241599 | 13.10% | 1.341% |
| 18 | 14.177 | 1927 | 1930 | 1936 | rVB | 57251 | 81475 | 4.42% | 0.452% |
| 19 | 14.430 | 1965 | 1973 | 1980 | rBB | 185838 | 286339 | 15.52% | 1.589% |
| 20 | 14.606 | 1998 | 2003 | 2009 | rVB2 | 8544 | 11454 | 0.62% | 0.064% |
| 21 | 14.735 | 2019 | 2025 | 2031 | rVB2 | 119663 | 191921 | 10.41% | 1.065% |
| 22 | 14.911 | 2046 | 2055 | 2064 | rBV | 65673 | 106983 | 5.80% | 0.594% |
| 23 | 15.070 | 2080 | 2082 | 2085 | rVV3 | 3450 | 3667 | 0.20% | 0.020% |
| 24 | 15.105 | 2085 | 2088 | 2093 | rVV3 | 1808 | 3240 | 0.18% | 0.018% |
| 25 | 15.552 | 2160 | 2164 | 2170 | rVB | 14954 | 19318 | 1.05% | 0.107% |
| 26 | 15.622 | 2170 | 2176 | 2180 | rBV2 | 1718 | 3279 | 0.18% | 0.018% |
| 27 | 15.722 | 2186 | 2193 | 2200 | rVB | 225802 | 335265 | 18.18% | 1.861% |
| 28 | 15.828 | 2206 | 2211 | 2220 | rVB2 | 73097 | 107714 | 5.84% | 0.598% |
| 29 | 15.957 | 2225 | 2233 | 2237 | rVV4 | 5822 | 12200 | 0.66% | 0.068% |
| 30 | 16.410 | 2306 | 2310 | 2319 | rBV | 27673 | 45022 | 2.44% | 0.250% |
| 31 | 16.750 | 2365 | 2368 | 2371 | rBV3 | 2255 | 3144 | 0.17% | 0.017% |
| 32 | 16.850 | 2381 | 2385 | 2392 | rBV6 | 5290 | 12243 | 0.66% | 0.068% |
| 33 | 17.203 | 2442 | 2445 | 2450 | rVV | 6960 | 7714 | 0.42% | 0.043% |
| 34 | 17.262 | 2450 | 2455 | 2459 | rVB3 | 3058 | 4329 | 0.23% | 0.024% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.473 | 2483 | 2491 | 2498 | rBV | 126440 | 197274 | 10.70% | 1.095% |
| 36 | 17.567 | 2501 | 2507 | 2513 | rVV | 209411 | 326856 | 17.72% | 1.814% |
| 37 | 17.614 | 2513 | 2515 | 2520 | rVB3 | 3484 | 4107 | 0.22% | 0.023% |
| 38 | 17.826 | 2545 | 2551 | 2554 | rBV3 | 2137 | 3821 | 0.21% | 0.021% |
| 39 | 17.937 | 2567 | 2570 | 2574 | rBV3 | 2641 | 3218 | 0.17% | 0.018% |
| 40 | 18.166 | 2606 | 2609 | 2614 | rVB2 | 2498 | 3636 | 0.20% | 0.020% |
| 41 | 18.337 | 2633 | 2638 | 2643 | rBV | 78564 | 102151 | 5.54% | 0.567% |
| 42 | 18.413 | 2647 | 2651 | 2657 | rVV5 | 15042 | 24768 | 1.34% | 0.137% |
| 43 | 18.472 | 2657 | 2661 | 2666 | rVB3 | 14980 | 22877 | 1.24% | 0.127% |
| 44 | 18.660 | 2689 | 2693 | 2701 | rVB4 | 18663 | 30967 | 1.68% | 0.172% |
| 45 | 18.748 | 2701 | 2708 | 2714 | rBV2 | 121555 | 201422 | 10.92% | 1.118% |
| 46 | 18.801 | 2714 | 2717 | 2723 | rVB6 | 6439 | 9631 | 0.52% | 0.053% |
| 47 | 18.854 | 2723 | 2726 | 2731 | rBV5 | 2102 | 3515 | 0.19% | 0.020% |
| 48 | 18.930 | 2731 | 2739 | 2746 | rBV | 349937 | 475665 | 25.79% | 2.640% |
| 49 | 18.995 | 2746 | 2750 | 2753 | rVV5 | 6653 | 10283 | 0.56% | 0.057% |
| 50 | 19.036 | 2753 | 2757 | 2758 | rVV3 | 6498 | 8967 | 0.49% | 0.050% |
| 51 | 19.071 | 2758 | 2763 | 2769 | rVB | 179592 | 245482 | 13.31% | 1.363% |
| 52 | 19.130 | 2769 | 2773 | 2777 | rBV5 | 5624 | 7920 | 0.43% | 0.044% |
| 53 | 19.195 | 2778 | 2784 | 2791 | rBV5 | 32151 | 74083 | 4.02% | 0.411% |
| 54 | 19.253 | 2791 | 2794 | 2798 | rVV4 | 7162 | 8208 | 0.45% | 0.046% |
| 55 | 19.306 | 2800 | 2803 | 2807 | rVB4 | 13299 | 15332 | 0.83% | 0.085% |
| 56 | 19.383 | 2811 | 2816 | 2820 | rBV6 | 4138 | 8012 | 0.43% | 0.044% |
| 57 | 19.453 | 2825 | 2828 | 2830 | rBV4 | 6008 | 6819 | 0.37% | 0.038% |
| 58 | 19.483 | 2830 | 2833 | 2839 | rVV3 | 9769 | 14484 | 0.79% | 0.080% |
| 59 | 19.559 | 2839 | 2846 | 2850 | rVV | 577045 | 730760 | 39.62% | 4.056% |
| 60 | 19.600 | 2850 | 2853 | 2856 | rVV2 | 36261 | 49960 | 2.71% | 0.277% |
| 61 | 19.647 | 2856 | 2861 | 2866 | rVB | 102994 | 138417 | 7.50% | 0.768% |
| 62 | 19.729 | 2872 | 2875 | 2876 | rBV3 | 7281 | 6576 | 0.36% | 0.037% |
| 63 | 19.800 | 2884 | 2887 | 2889 | rBV4 | 6130 | 6525 | 0.35% | 0.036% |
| 64 | 19.841 | 2889 | 2894 | 2900 | rVB | 252081 | 356093 | 19.31% | 1.977% |
| 65 | 19.888 | 2900 | 2902 | 2907 | rVB5 | 12813 | 14130 | 0.77% | 0.078% |
| 66 | 19.947 | 2908 | 2912 | 2916 | rBV5 | 12152 | 15204 | 0.82% | 0.084% |
| 67 | 20.017 | 2920 | 2924 | 2929 | rBV2 | 52296 | 74507 | 4.04% | 0.414% |
| 68 | 20.064 | 2929 | 2932 | 2934 | rBV3 | 17612 | 22094 | 1.20% | 0.123% |
| 69 | 20.094 | 2934 | 2937 | 2947 | rVB8 | 26964 | 49002 | 2.66% | 0.272% |
| 70 | 20.170 | 2948 | 2950 | 2954 | rBV5 | 6624 | 7449 | 0.40% | 0.041% |
| 71 | 20.211 | 2954 | 2957 | 2961 | rVB5 | 15999 | 20446 | 1.11% | 0.113% |

LSC Area Percent Report

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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.276 | 2961 | 2968 | 2973 | rBV | 579023 | 745850 | 40.44% | 4.140% |
| 73 | 20.323 | 2973 | 2976 | 2978 | rBV2 | 57762 | 68034 | 3.69% | 0.378% |
| 74 | 20.440 | 2993 | 2996 | 3000 | rVB4 | 12396 | 17007 | 0.92% | 0.094% |
| 75 | 20.487 | 3000 | 3004 | 3008 | rBV2 | 63598 | 81789 | 4.43% | 0.454% |
| 76 | 20.617 | 3023 | 3026 | 3028 | rBV4 | 17432 | 21052 | 1.14% | 0.117% |
| 77 | 20.675 | 3032 | 3036 | 3044 | rVB2 | 72037 | 112648 | 6.11% | 0.625% |
| 78 | 20.805 | 3053 | 3058 | 3061 | rBV2 | 19568 | 35481 | 1.92% | 0.197% |
| 79 | 20.834 | 3061 | 3063 | 3073 | rVB8 | 18869 | 38046 | 2.06% | 0.211% |
| 80 | 21.028 | 3092 | 3096 | 3103 | rVB9 | 34319 | 62539 | 3.39% | 0.347% |
| 81 | 21.169 | 3118 | 3120 | 3123 | rBV3 | 9173 | 10206 | 0.55% | 0.057% |
| 82 | 21.210 | 3123 | 3127 | 3131 | rVV6 | 21598 | 30153 | 1.63% | 0.167% |
| 83 | 21.357 | 3142 | 3152 | 3165 | rBV | 1041882 | 1638507 | 88.83% | 9.095% |
| 84 | 21.510 | 3175 | 3178 | 3184 | rVB | 45709 | 62395 | 3.38% | 0.346% |
| 85 | 21.739 | 3210 | 3217 | 3231 | rBV2 | 493446 | 1001299 | 54.29% | 5.558% |
| 86 | 21.874 | 3234 | 3240 | 3245 | rVV | 460038 | 657857 | 35.67% | 3.652% |
| 87 | 21.915 | 3245 | 3247 | 3252 | rVB4 | 16210 | 21528 | 1.17% | 0.120% |
| 88 | 22.550 | 3347 | 3355 | 3368 | rBV | 1029525 | 1844457 | 100.00% | 10.239% |
| 89 | 23.043 | 3429 | 3439 | 3454 | rBV | 327100 | 883578 | 47.90% | 4.905% |
| 90 | 23.178 | 3455 | 3462 | 3468 | rVB | 225168 | 418346 | 22.68% | 2.322% |
| 91 | 24.089 | 3612 | 3617 | 3628 | rVB3 | 27787 | 64023 | 3.47% | 0.355% |
| 92 | 24.765 | 3723 | 3732 | 3741 | rVB3 | 126283 | 369433 | 20.03% | 2.051% |
| 93 | 24.994 | 3761 | 3771 | 3780 | rVB2 | 75982 | 225259 | 12.21% | 1.250% |
| 94 | 26.251 | 3980 | 3985 | 3993 | rVB9 | 16339 | 42448 | 2.30% | 0.236% |
| 95 | 27.326 | 4166 | 4168 | 4170 | rBV3 | 3463 | 3137 | 0.17% | 0.017% |
| 96 | 28.202 | 4304 | 4317 | 4333 | rVB4 | 152028 | 660655 | 35.82% | 3.667% |
| 97 | 28.460 | 4343 | 4361 | 4380 | rVB2 | 308774 | 1279159 | 69.35% | 7.101% |
| 98 | 28.813 | 4413 | 4421 | 4422 | rBV7 | 36744 | 71504 | 3.88% | 0.397% |
| 99 | 30.358 | 4666 | 4684 | 4699 | rBV4 | 258568 | 1309908 | 71.02% | 7.271% |
| 100 | 30.617 | 4720 | 4728 | 4742 | rVB4 | 28493 | 121656 | 6.60% | 0.675% |

Sum of corrected areas: 18014641

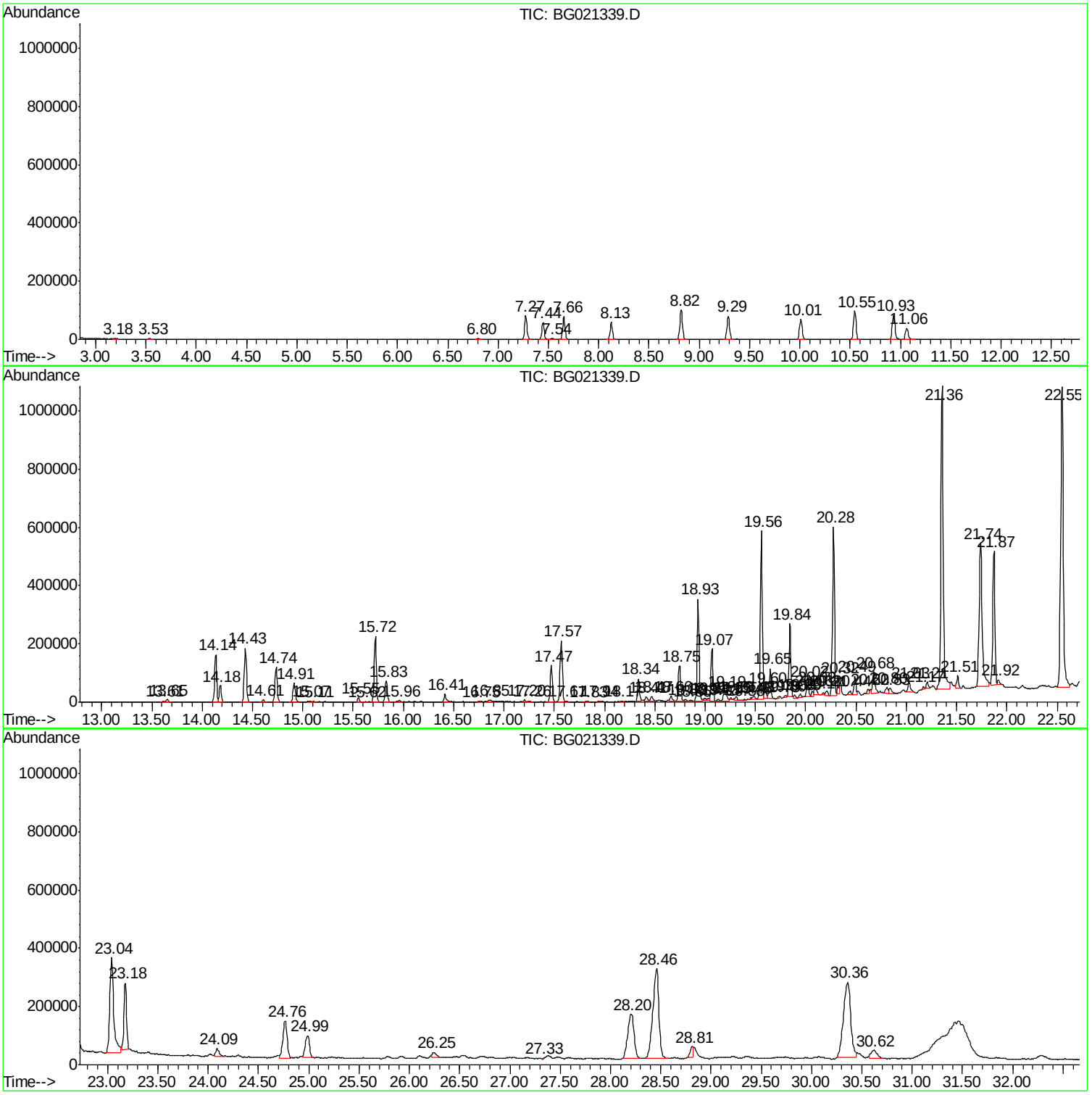
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

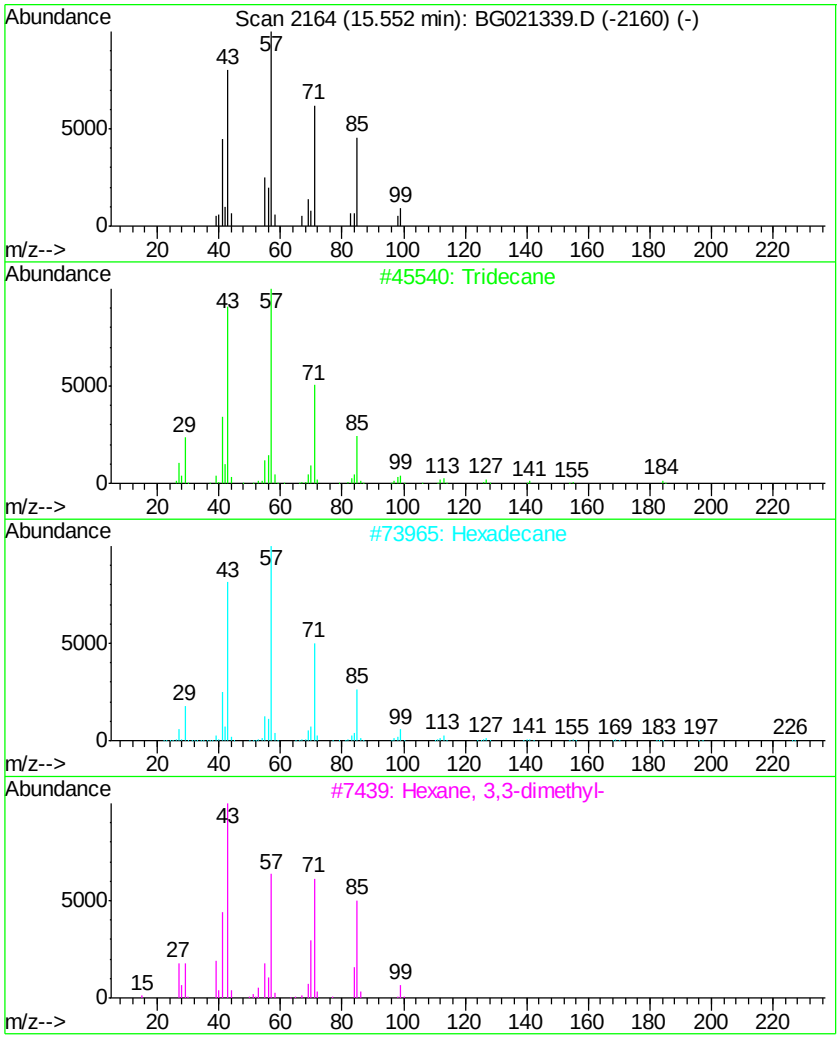
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

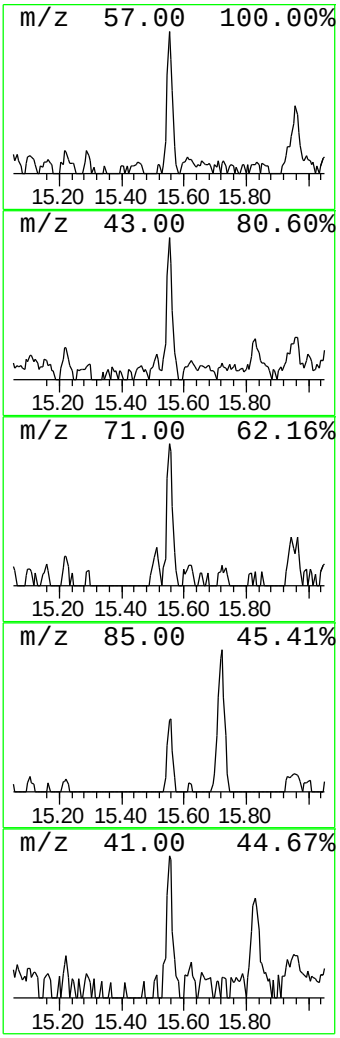
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.55 | 2.01 ng/ul | 19318 | Acenaphthene-d10 | 14.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 74 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 3 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 59 |
| 4 | 4,4-Dimethylcyclooctene | 138 | C10H18 | 1000113-56-7 | 53 |
| 5 | Hexane, 2,2,3,3-tetramethyl- | 142 | C10H22 | 013475-81-5 | 53 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

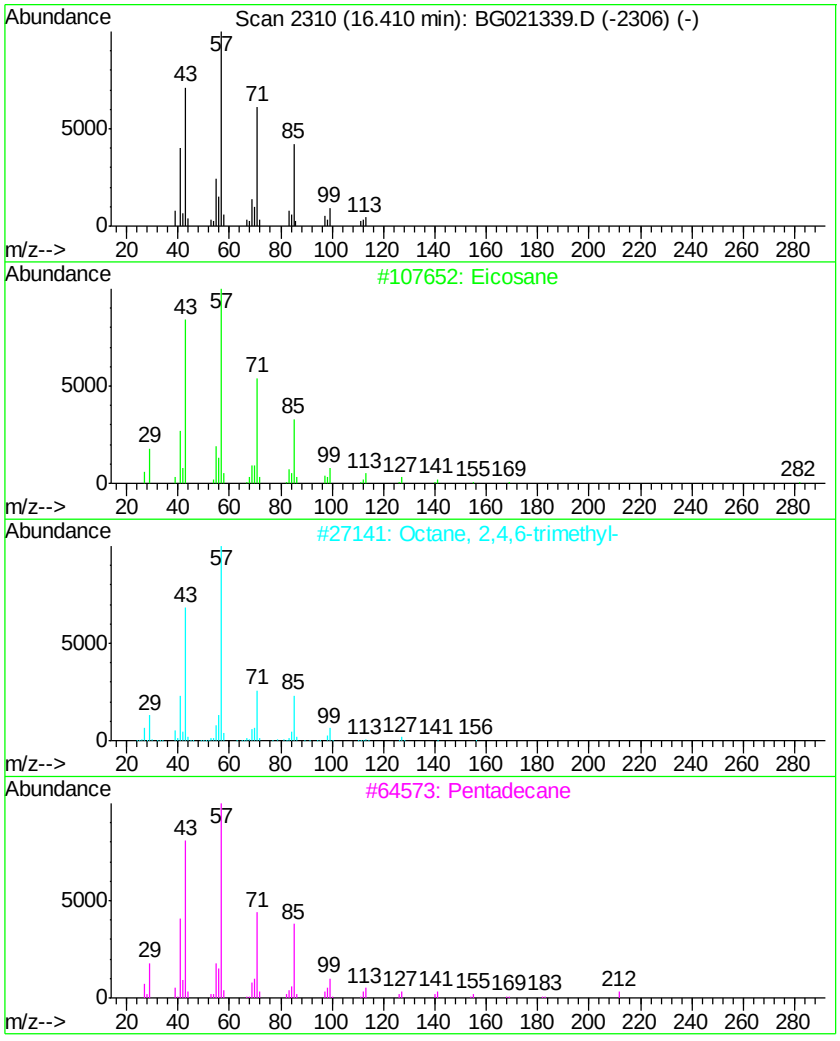
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

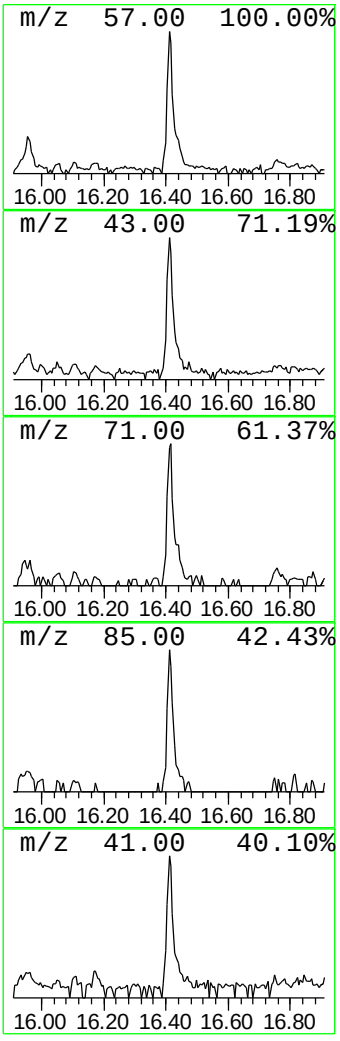
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.41 | 4.56 ng/ul | 45022 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 83 |
| 2 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 72 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 59 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

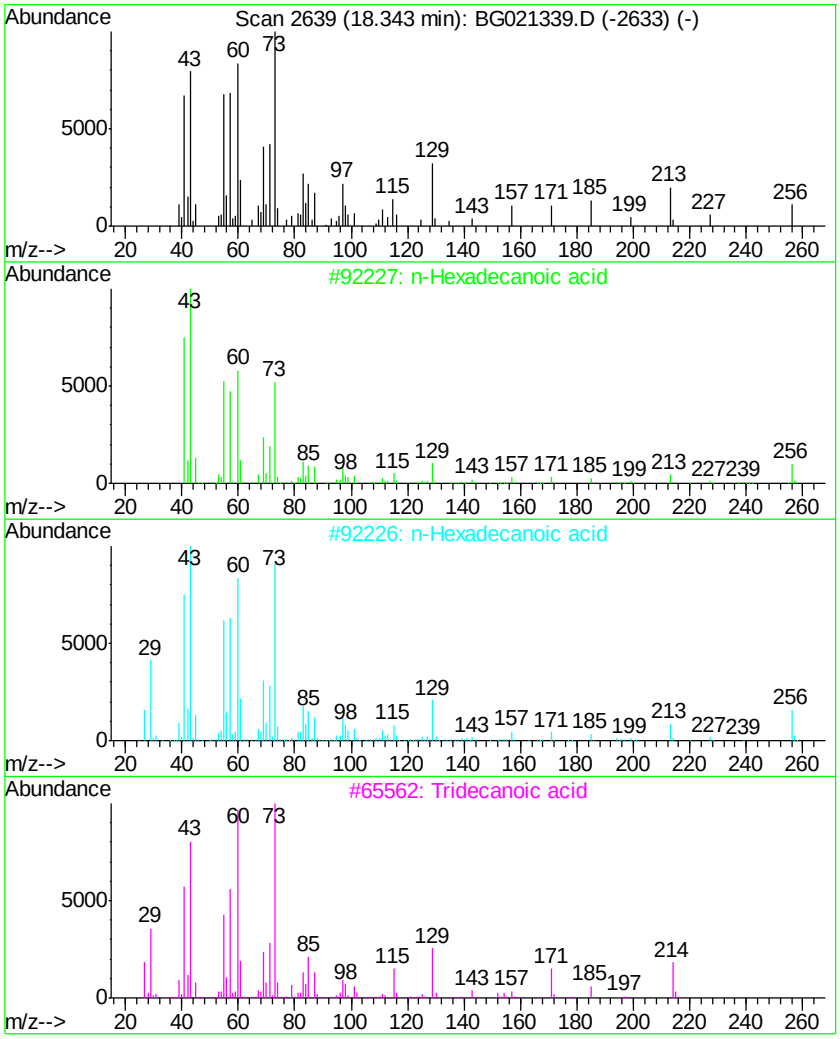
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

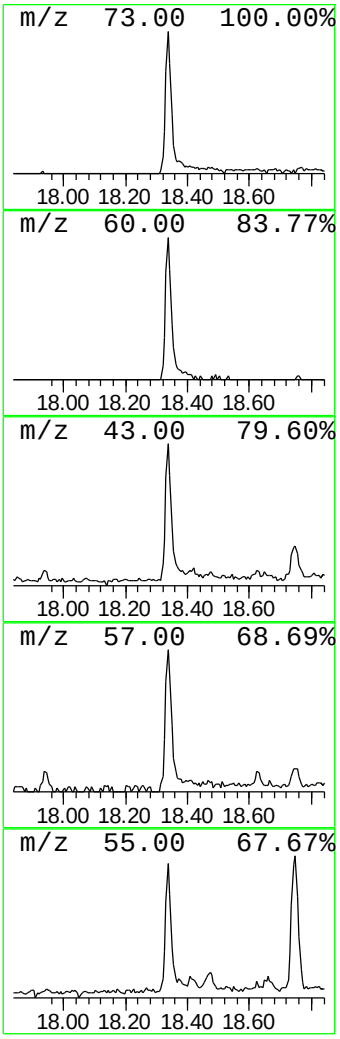
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 10.36 ng/ul | 102151 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 81 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 68 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

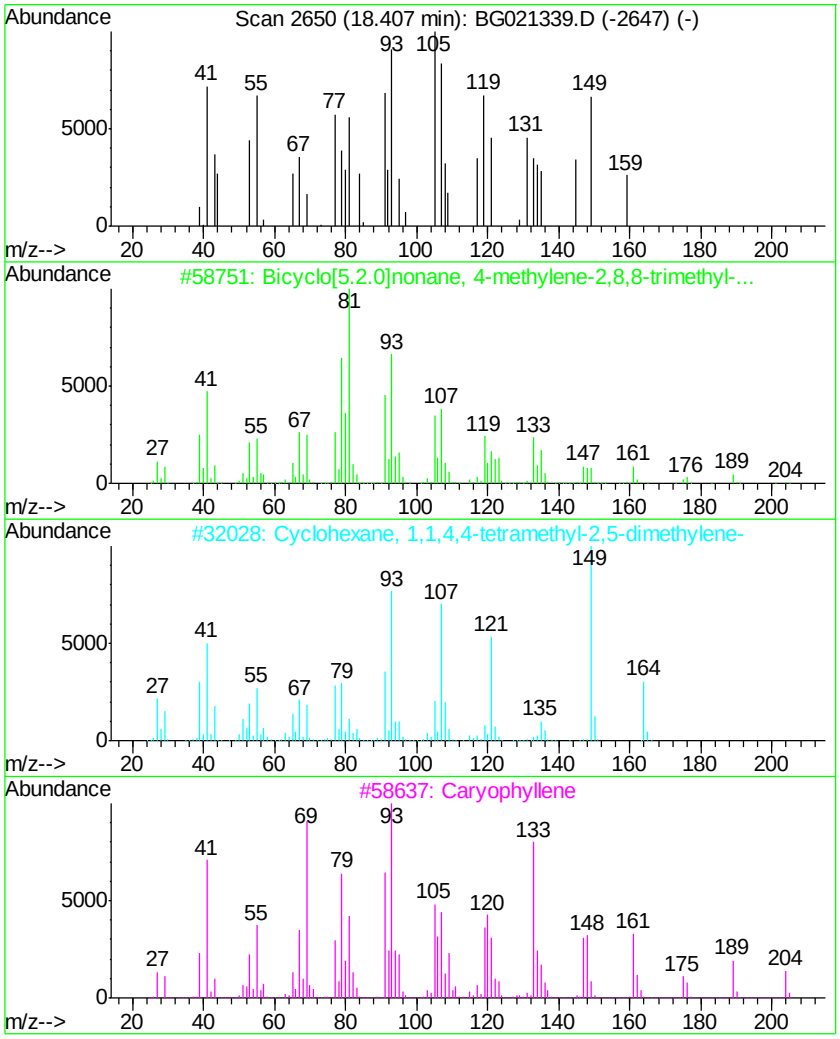
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

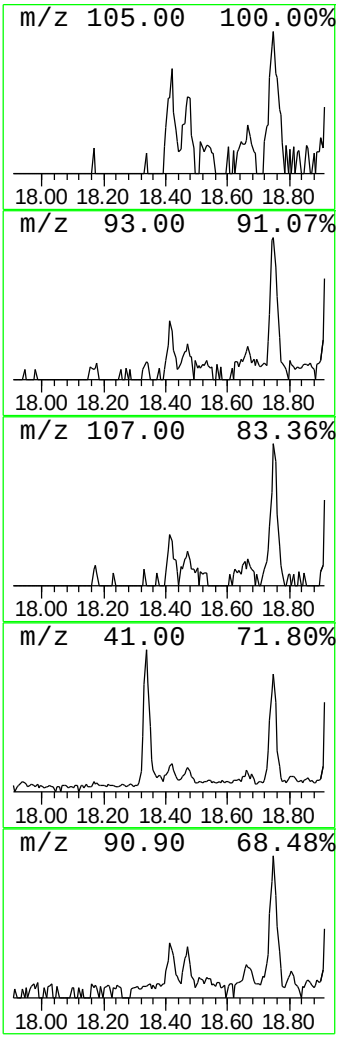
**********

Peak Number 4 Bicyclo[5.2.0]nonane, 4-met... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.41 | 2.51 ng/ul | 24768 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[5.2.0]nonane, 4-methylen... | 204 | C15H24 | 1000159-38-2 | 53 |
| 2 | Cyclohexane, 1,1,4,4-tetramethyl... | 164 | C12H20 | 1000154-20-4 | 38 |
| 3 | Caryophyllene | 204 | C15H24 | 000087-44-5 | 27 |
| 4 | 1,4-Methanocycloocta[d]pyridazin... | 204 | C13H20N2 | 1000221-85-9 | 27 |
| 5 | Adamantane, 1,3-dimethyl- | 164 | C12H20 | 000702-79-4 | 27 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

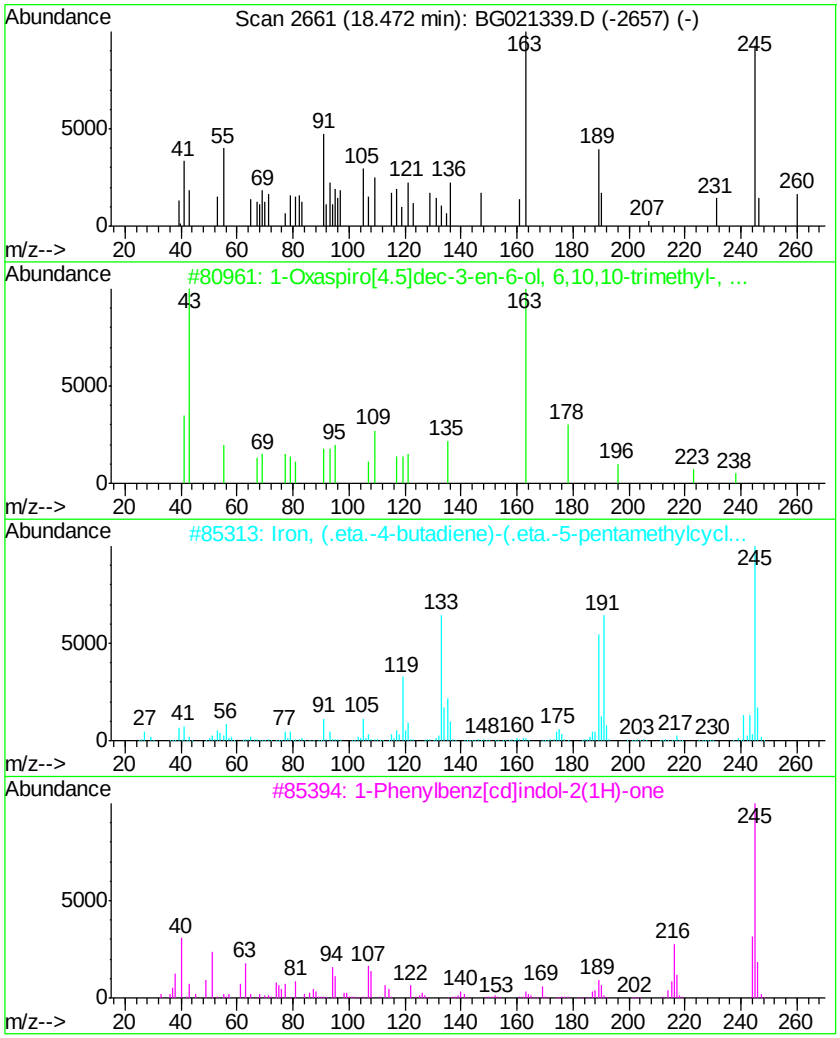
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

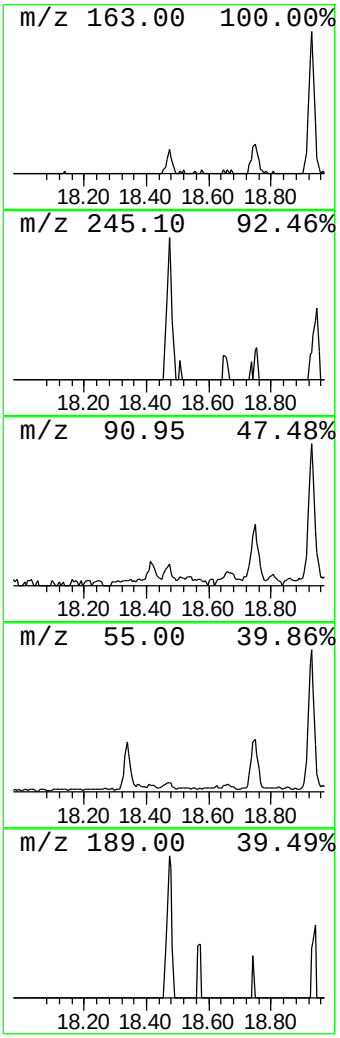
**********

Peak Number 5 unknown-01 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.47 | 2.32 ng/ul | 22877 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Oxaspiro[4.5]dec-3-en-6-ol, 6,... | 238 | C14H22O3 | 054345-70-9 | 27 |
| 2 | Iron, (.eta.-4-butadiene)-(.eta.... | 245 | C14H21Fe | 1000161-69-5 | 25 |
| 3 | 1-Phenylbenz[cd]indol-2(1H)-one | 245 | C17H11NO | 001830-57-5 | 22 |
| 4 | Fentanyl | 336 | C22H28N2O | 000437-38-7 | 17 |
| 5 | 3,5-Diamino-6-piperonyl-1,2,4-tr... | 245 | C11H11N5O2 | 031127-28-3 | 14 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

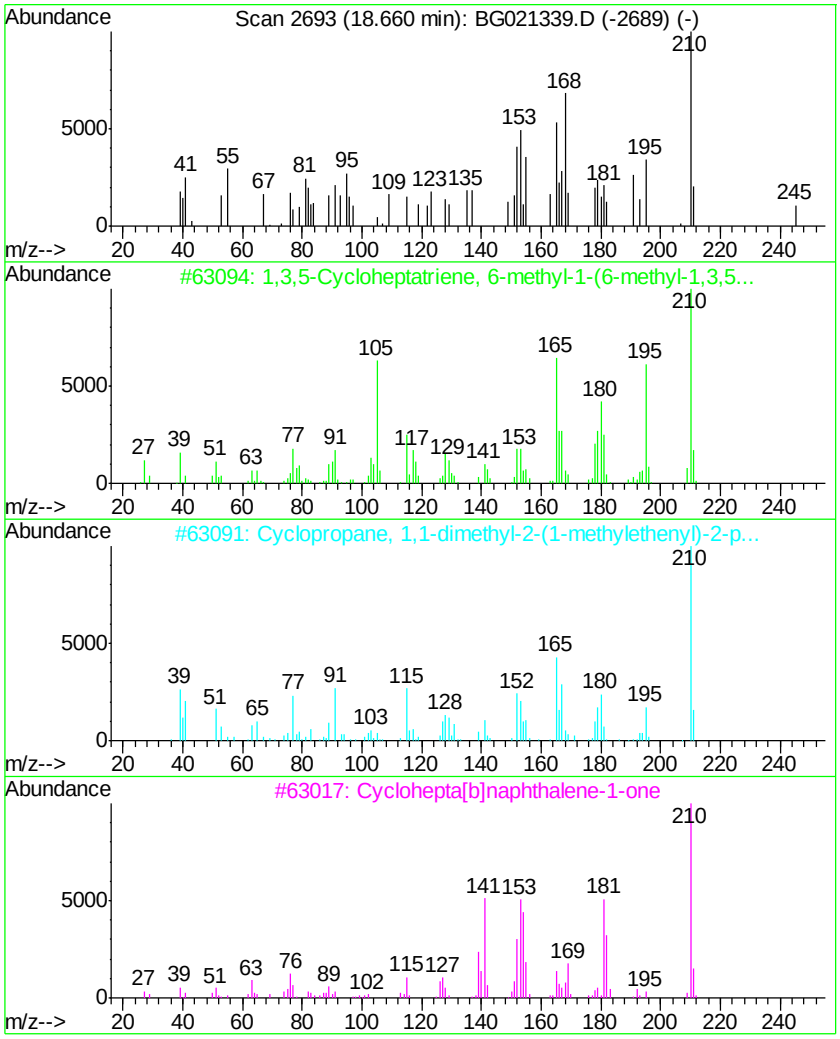
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

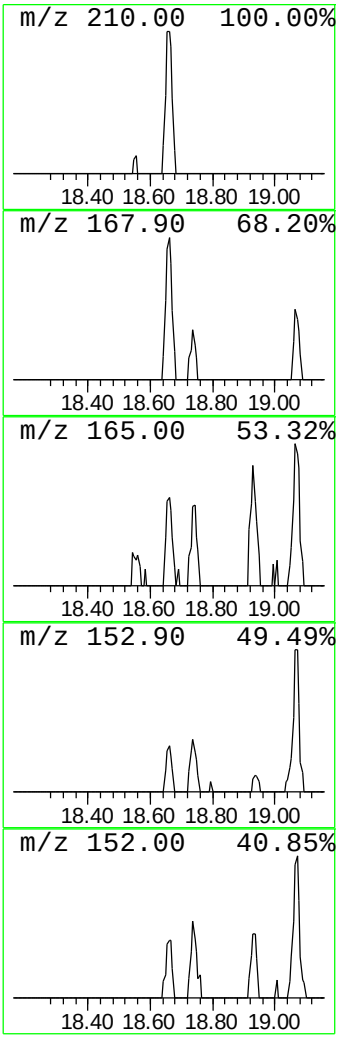
**********

Peak Number 6 unknown-02 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.66 | 3.14 ng/ul | 30967 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3,5-Cycloheptatriene, 6-methyl... | 210 | C16H18 | 1000154-68-1 | 49 |
| 2 | Cyclopropane, 1,1-dimethyl-2-(1-... | 210 | C16H18 | 1000268-54-1 | 49 |
| 3 | Cyclohepta[b]naphthalene-1-one | 210 | C15H14O | 1000284-47-2 | 46 |
| 4 | 5-Naphthalen-2-yl-2H-pyrazol-3-ol | 210 | C13H10N2O | 1000296-45-3 | 43 |
| 5 | 5-Naphthalen-1-yl-2H-pyrazol-3-ol | 210 | C13H10N2O | 1000274-79-5 | 43 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

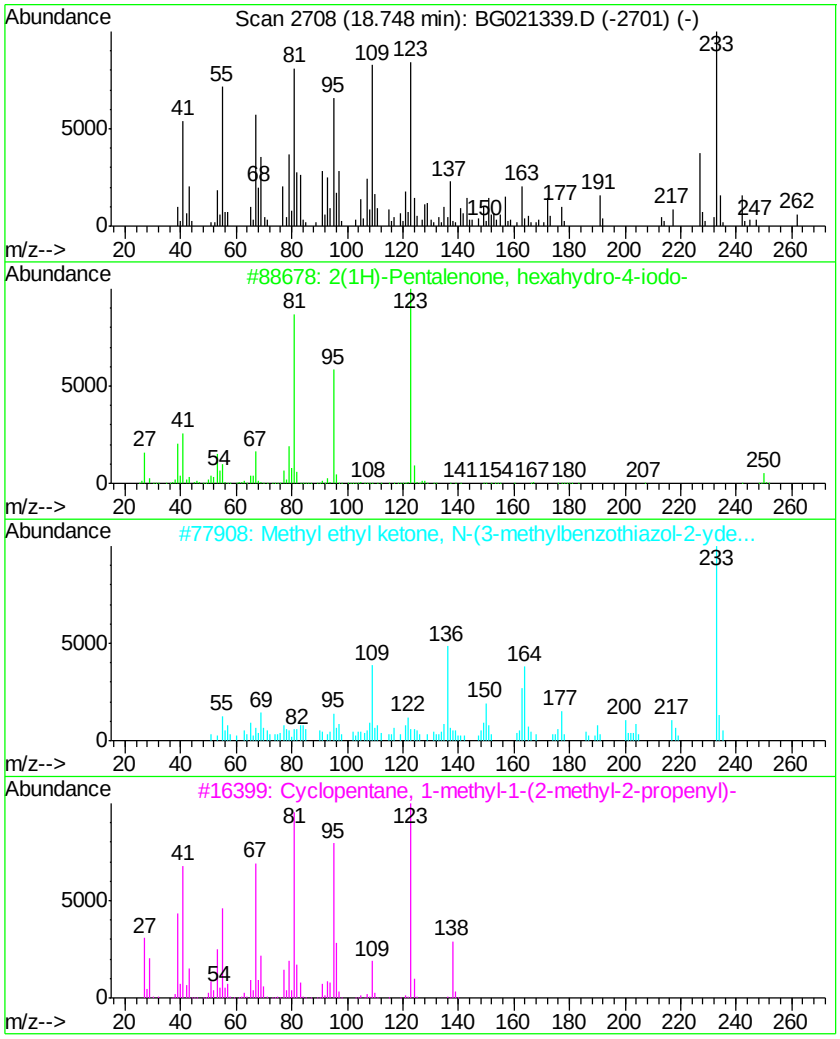
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

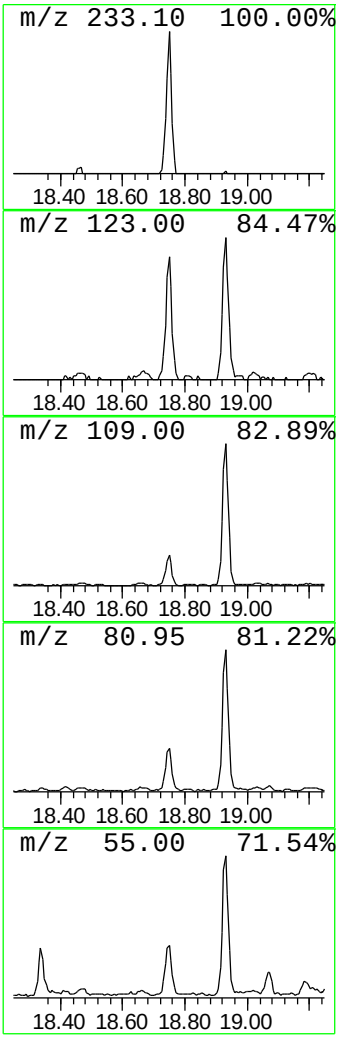
**********

Peak Number 7 unknown-03 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.75 | 20.42 ng/ul | 201422 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)-Pentalenone, hexahydro-4-i... | 250 | C8H11IO | 077070-56-5 | 35 |
| 2 | Methyl ethyl ketone, N-(3-methyl... | 233 | C12H15N3S | 1000292-93-3 | 35 |
| 3 | Cyclopentane, 1-methyl-1-(2-meth... | 138 | C10H18 | 074764-47-9 | 35 |
| 4 | 9-Oxabicyclo[6.1.0]non-6-en-2-one | 138 | C8H10O2 | 1000211-01-6 | 30 |
| 5 | 4-Triethylsilylbut-1-en-3-yne | 166 | C10H18Si | 001693-70-5 | 27 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

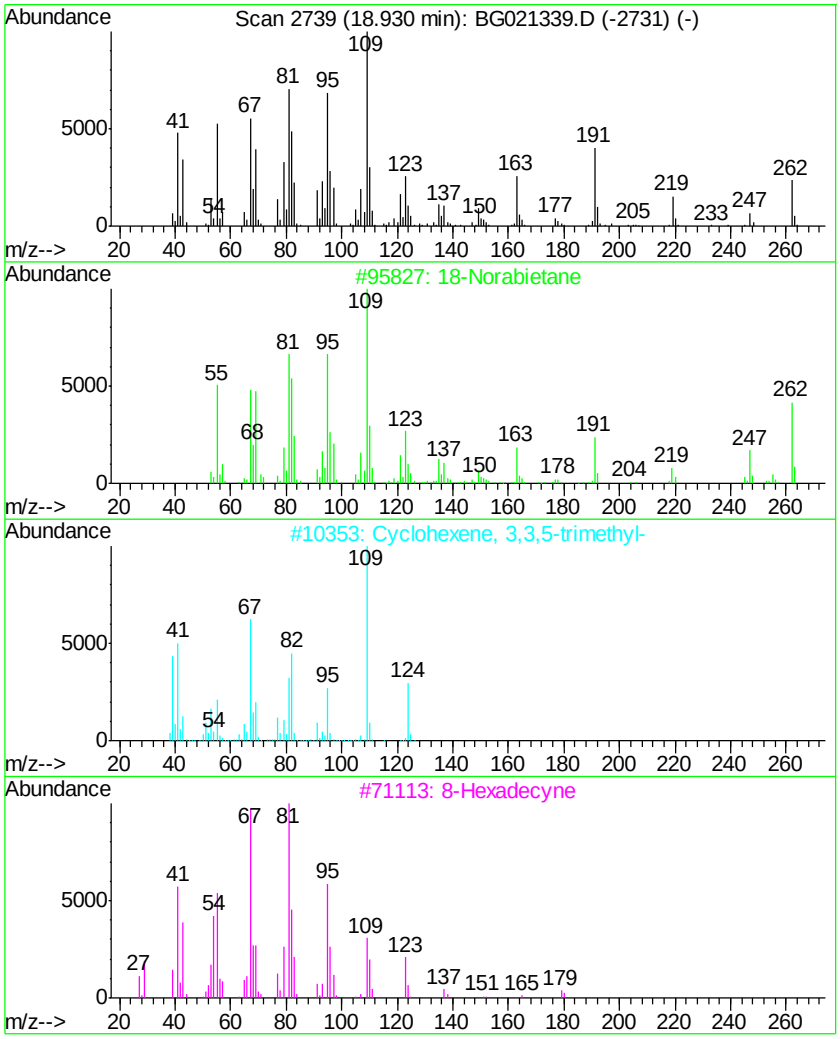
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

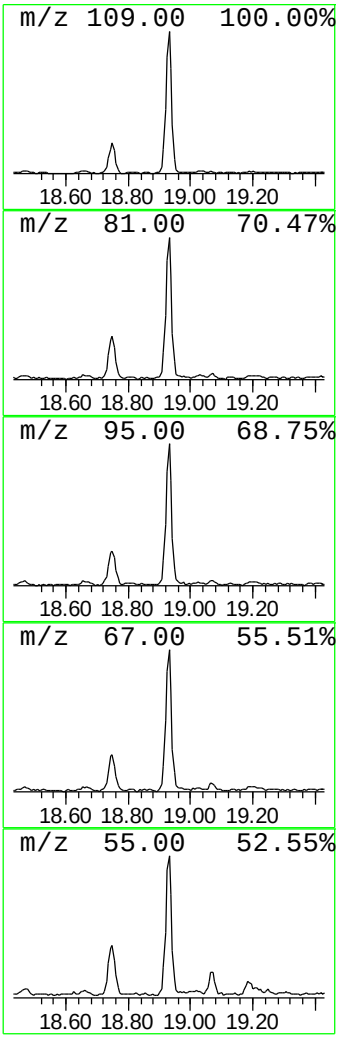
**********

Peak Number 8 18-Norabietane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.93 | 48.22 ng/ul | 475665 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 18-Norabietane | 262 | C19H34 | 1000293-16-6 | 94 |
| 2 | Cyclohexene, 3,3,5-trimethyl- | 124 | C9H16 | 000503-45-7 | 22 |
| 3 | 8-Hexadecyne | 222 | C16H30 | 019781-86-3 | 22 |
| 4 | 1H-Pyrazole, 4-(2-bromoethyl)-3,... | 202 | C7H11BrN2 | 083467-28-1 | 22 |
| 5 | Ethanone, 1-(1,4-dimethyl-3-cycl... | 152 | C10H16O | 043219-68-7 | 22 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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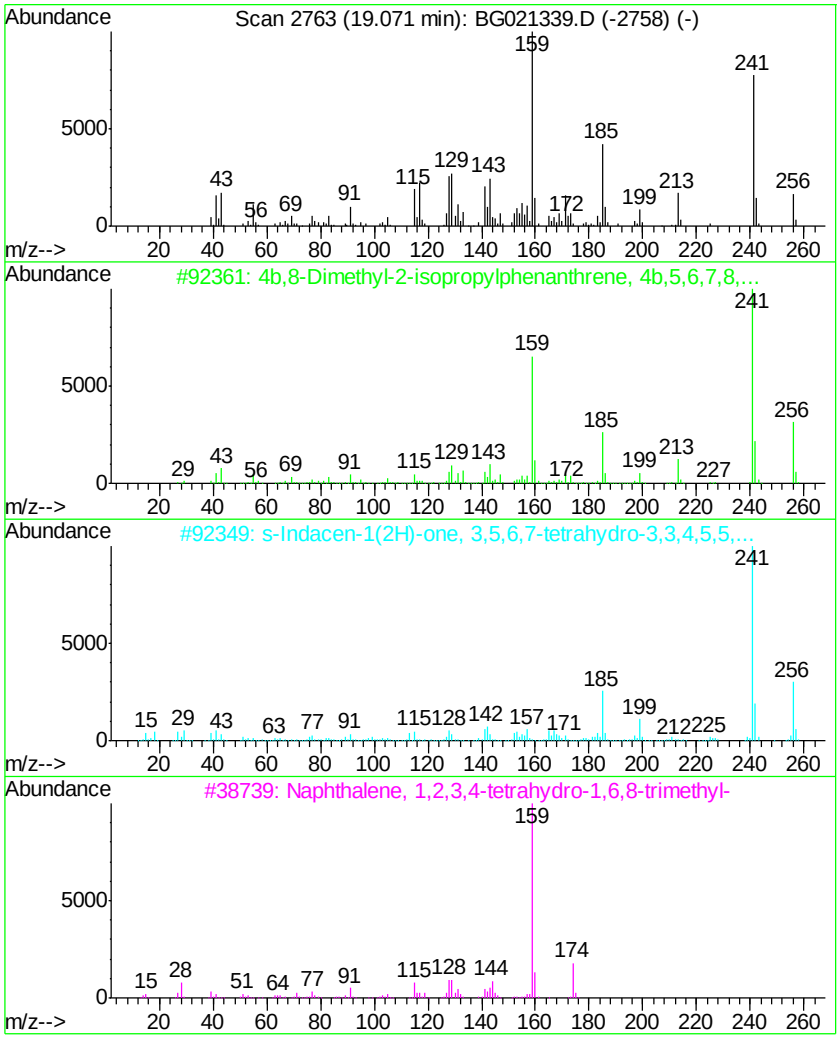
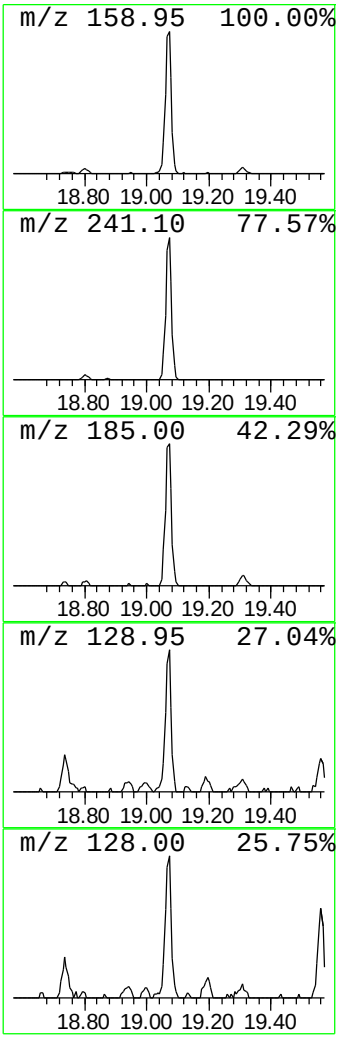
Peak Number 9 4b,8-Dimethyl-2-isopropylph... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.07 | 24.89 ng/ul | 245482 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28 | 1000197-14-1 | 94 |
| 2 | s-Indacen-1(2H)-one, 3,5,6,7-tet... | 256 | C18H24O | 038754-94-8 | 53 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 174 | C13H18 | 030316-36-0 | 38 |
| 4 | Naphthalene, 6-ethyl-1,2,3,4-tet... | 256 | C19H28 | 301643-35-6 | 35 |
| 5 | 3,4-Dihydro-3,3-dimethyl-1,9(2H,... | 241 | C15H15NO2 | 1000212-95-2 | 30 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

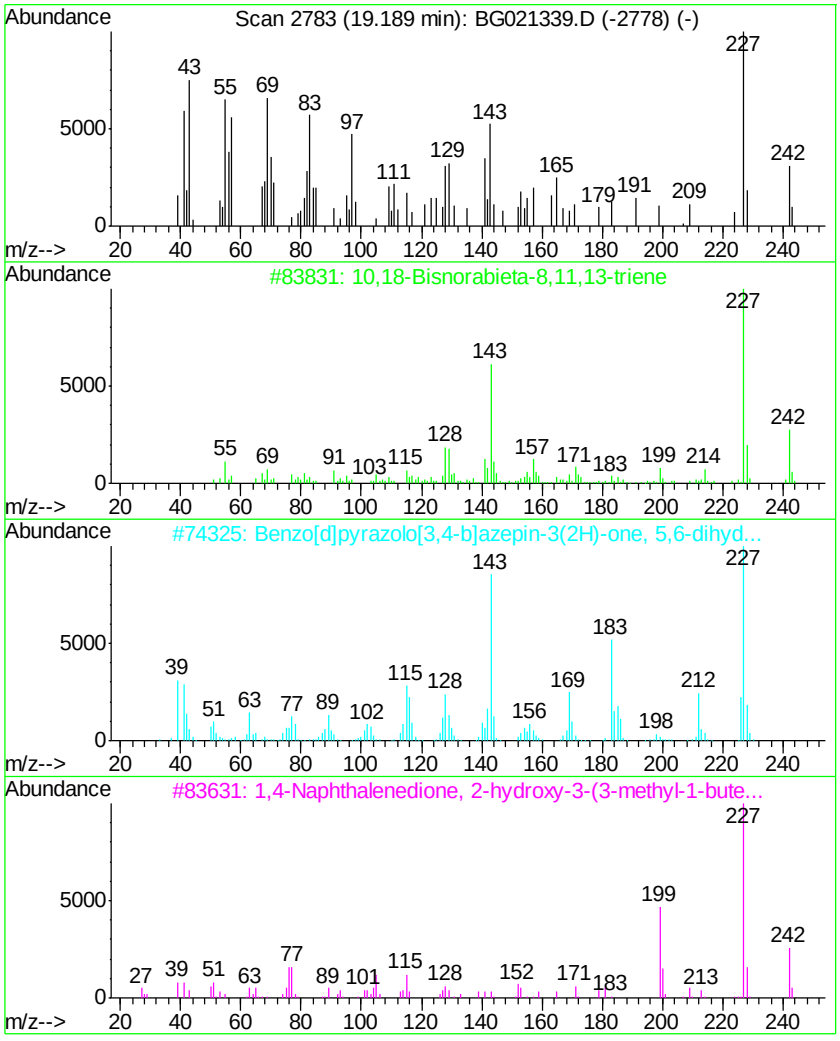
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

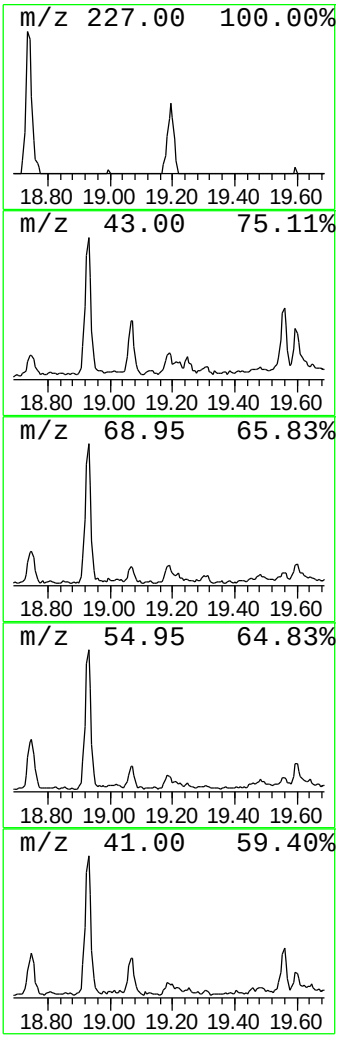
**********

Peak Number 10 10,18-Bisnorabieta-8,11,13-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.19 | 7.51 ng/ul | 74083 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-8,11,13-triene | 242 | C18H26 | 032624-67-2 | 93 |
| 2 | Benzo[d]pyrazolo[3,4-b]azepin-3(... | 227 | C13H13N3O | 263550-89-6 | 49 |
| 3 | 1,4-Naphthalenedione, 2-hydroxy-... | 242 | C15H14O3 | 004042-39-1 | 45 |
| 4 | Dicyclopenta[a,d]benzene, 4,8-di... | 242 | C18H26 | 1000156-41-6 | 43 |
| 5 | 1,4-Naphthalenedione, 2-hydroxy-... | 242 | C15H14O3 | 000084-79-7 | 43 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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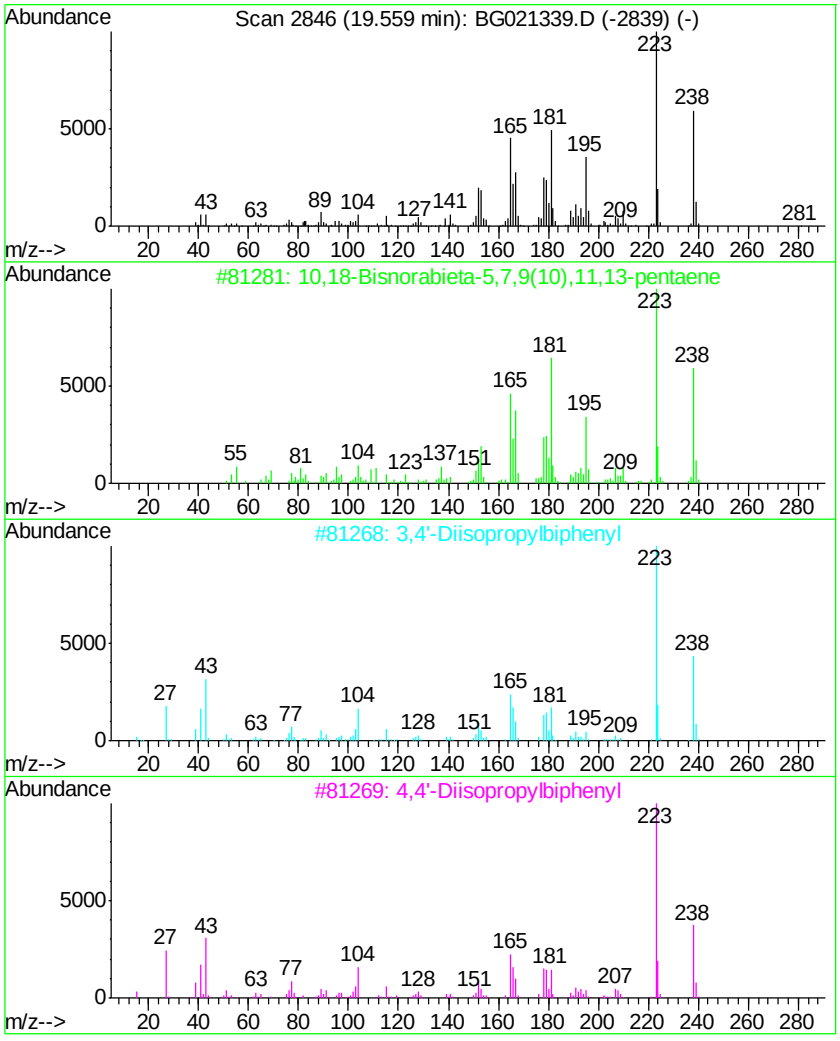
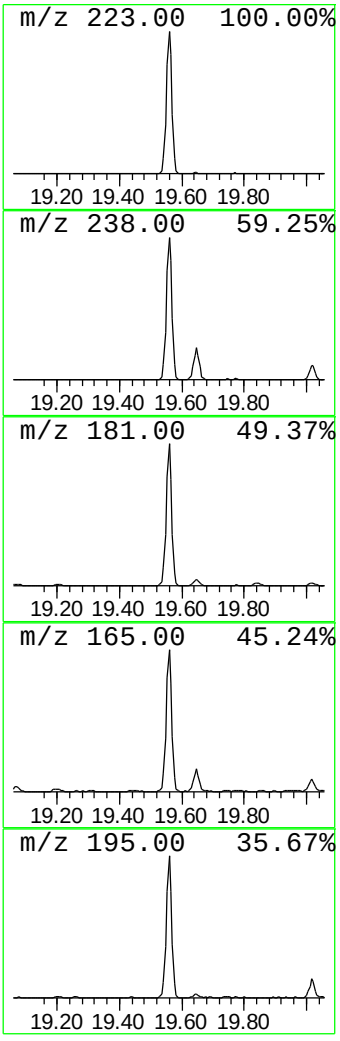
Peak Number 11 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.56 | 74.09 ng/ul | 730760 | Phenanthrene-d10 | 17.47 |

| 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 | 58 |
| 3 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 55 |
| 4 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 50 |
| 5 | Anthracene, 1,4-dimethoxy- | 238 | C16H14O2 | 013076-29-4 | 50 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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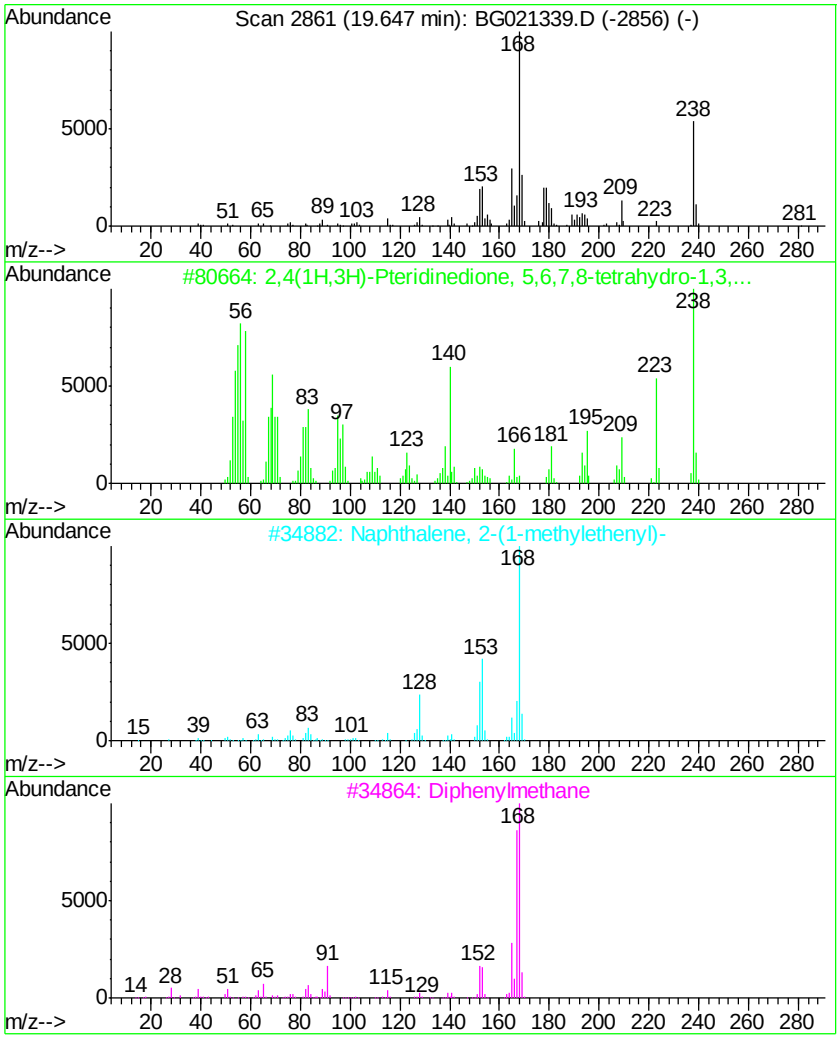
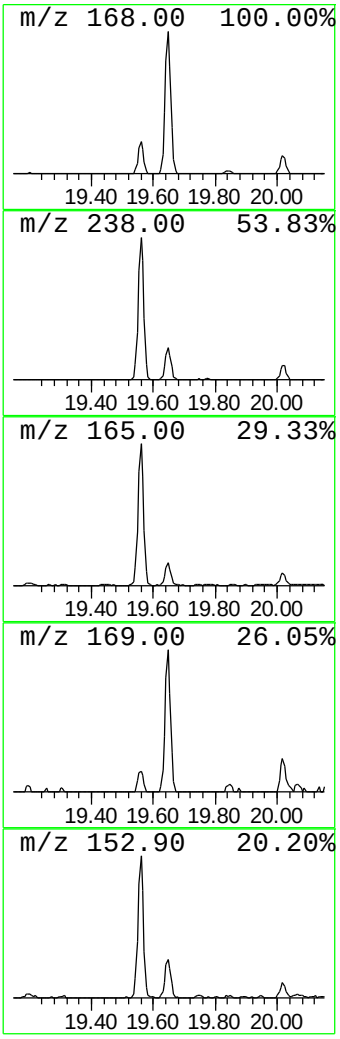
Peak Number 12 2,4(1H,3H)-Pteridinedione, ... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.65 | 2.76 ng/ul | 138417 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4(1H,3H)-Pteridinedione, 5,6,7... | 238 | C11H18N4O2 | 037921-31-6 | 53 |
| 2 | Naphthalene, 2-(1-methylethenyl)- | 168 | C13H12 | 003710-23-4 | 45 |
| 3 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 43 |
| 4 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 43 |
| 5 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 43 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

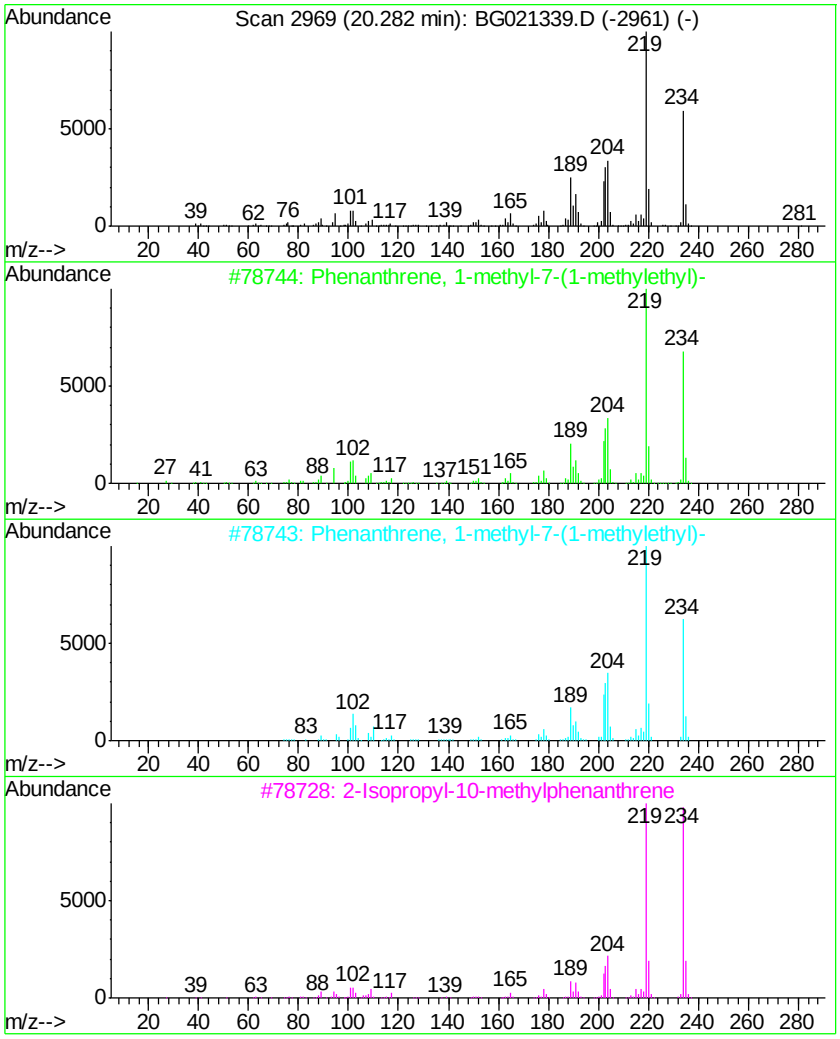
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

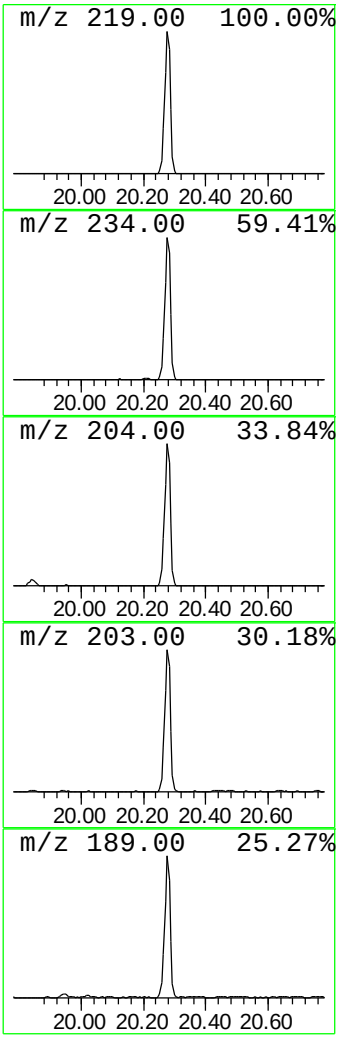
**********

Peak Number 13 Phenanthrene, 1-methyl-7-(1... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.28 | 14.90 ng/ul | 745850 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl-7-(1-meth... | 234 | C18H18 | 000483-65-8 | 99 |
| 2 | Phenanthrene, 1-methyl-7-(1-meth... | 234 | C18H18 | 000483-65-8 | 96 |
| 3 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 95 |
| 4 | Phenanthrene, 1-methyl-7-(1-meth... | 234 | C18H18 | 000483-65-8 | 95 |
| 5 | Phenanthrene, 3,4,5,6-tetramethyl- | 234 | C18H18 | 007343-06-8 | 70 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

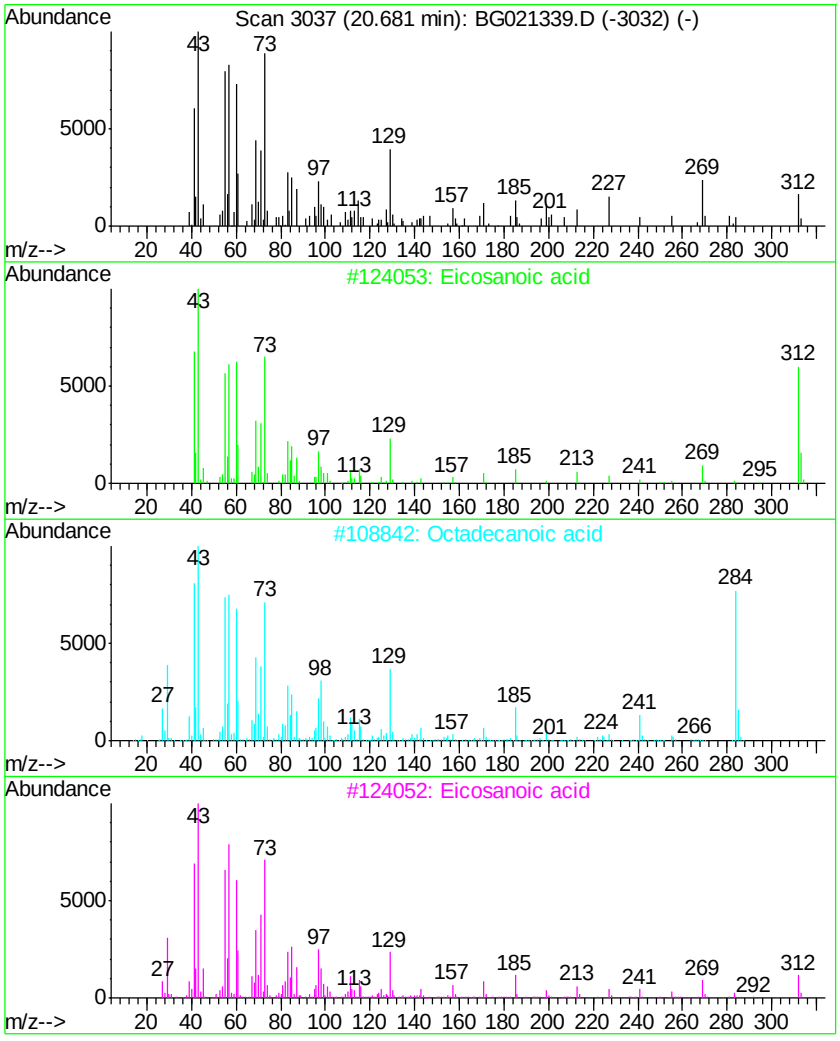
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

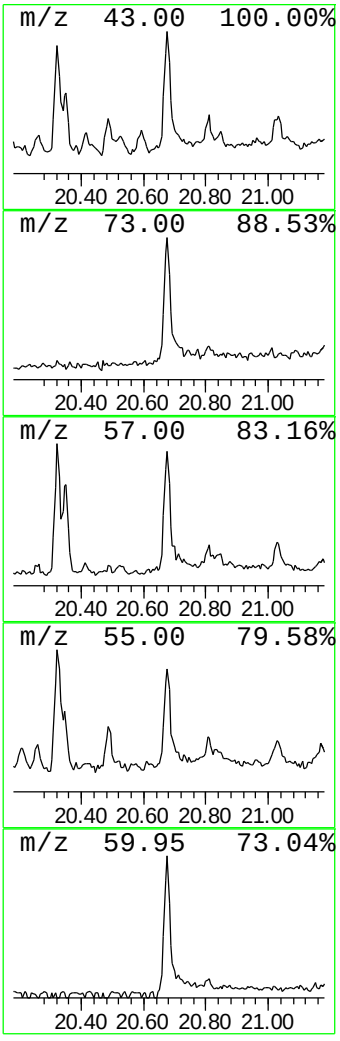
**********

Peak Number 14 Eicosanoic acid Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.68 | 2.25 ng/ul | 112648 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosanoic acid | 312 | C20H40O2 | 000506-30-9 | 94 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 94 |
| 3 | Eicosanoic acid | 312 | C20H40O2 | 000506-30-9 | 93 |
| 4 | Eicosanoic acid | 312 | C20H40O2 | 000506-30-9 | 93 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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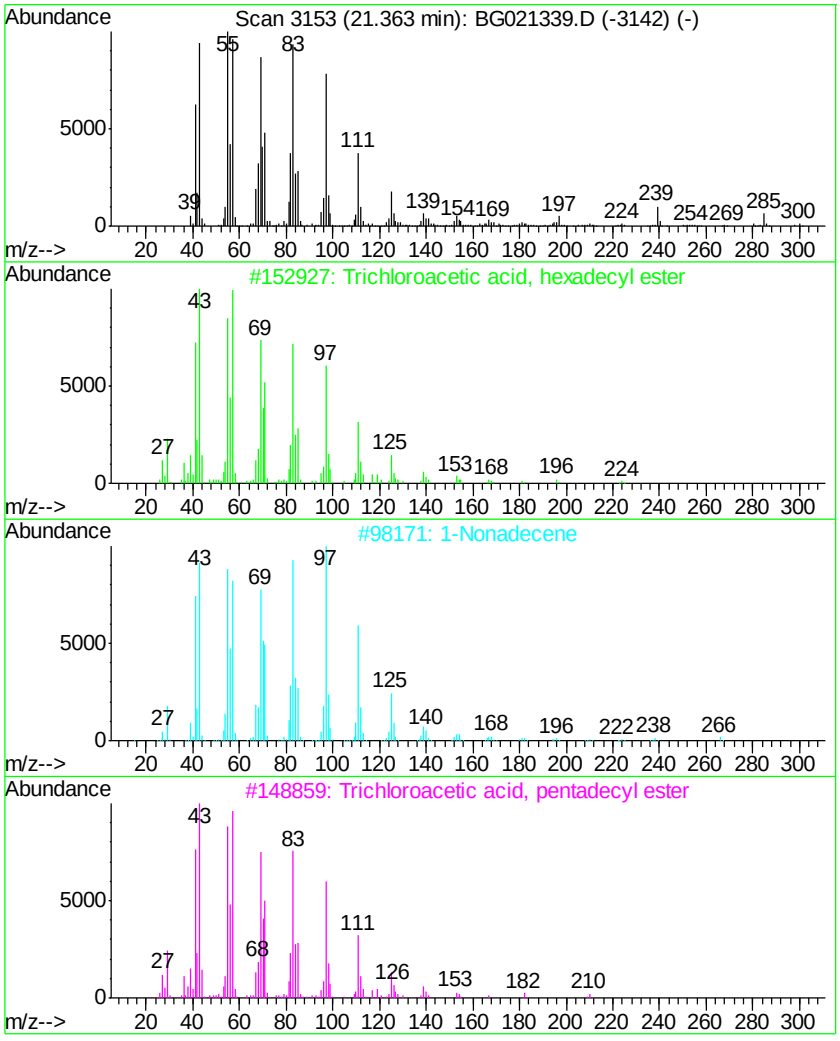
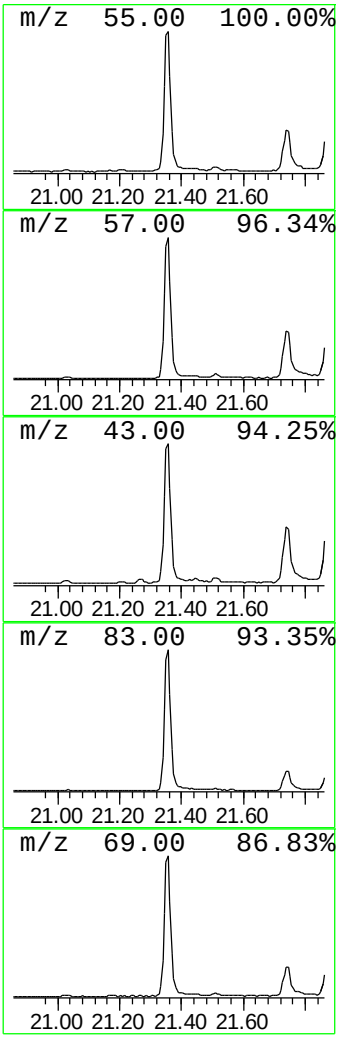
Peak Number 15 Trichloroacetic acid, hexad... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.36 | 32.73 ng/ul | 1638510 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 90 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

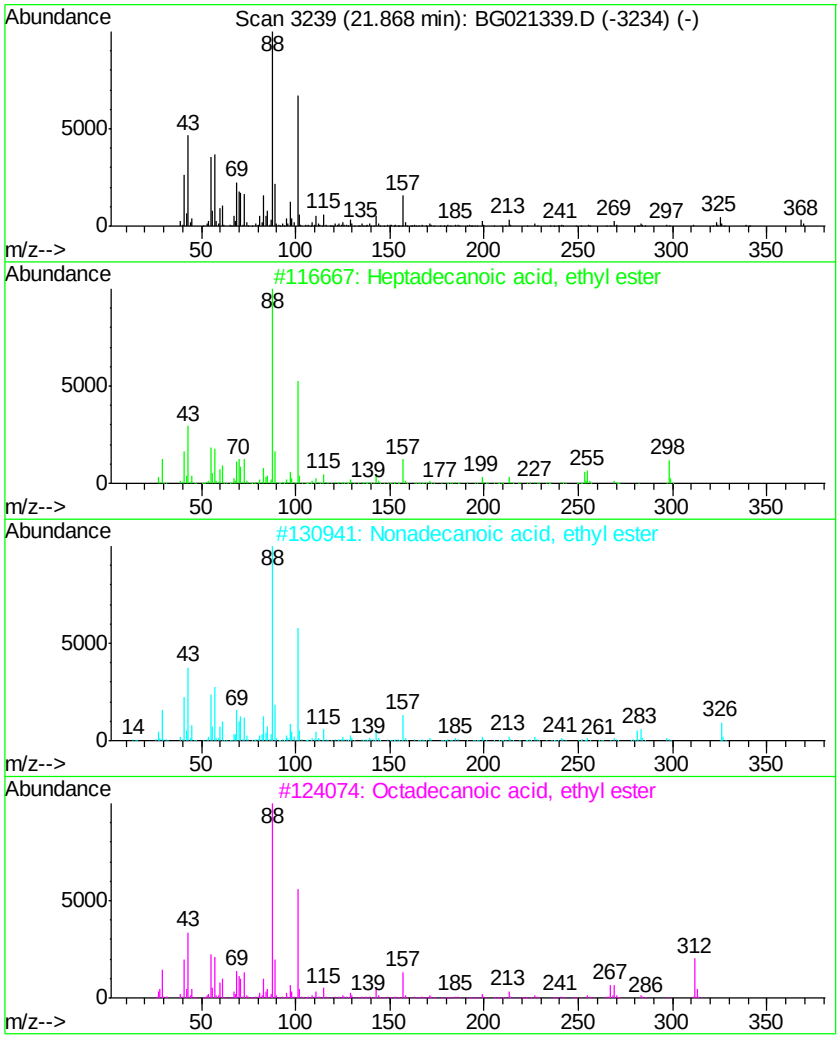
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

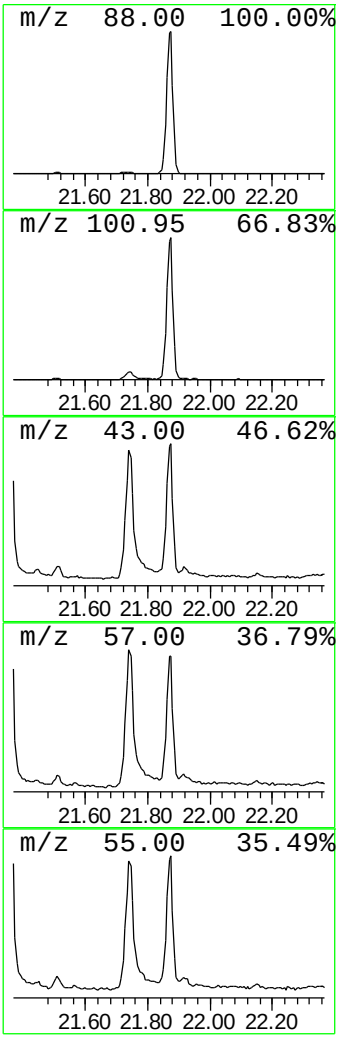
**********

Peak Number 16 Heptadecanoic acid, ethyl e... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.87 | 13.14 ng/ul | 657857 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecanoic acid, ethyl ester | 298 | C19H38O2 | 014010-23-2 | 87 |
| 2 | Nonadecanoic acid, ethyl ester | 326 | C21H42O2 | 018281-04-4 | 86 |
| 3 | Octadecanoic acid, ethyl ester | 312 | C20H40O2 | 000111-61-5 | 86 |
| 4 | Octadecanoic acid, ethyl ester | 312 | C20H40O2 | 000111-61-5 | 80 |
| 5 | Octadecanoic acid, ethyl ester | 312 | C20H40O2 | 000111-61-5 | 80 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

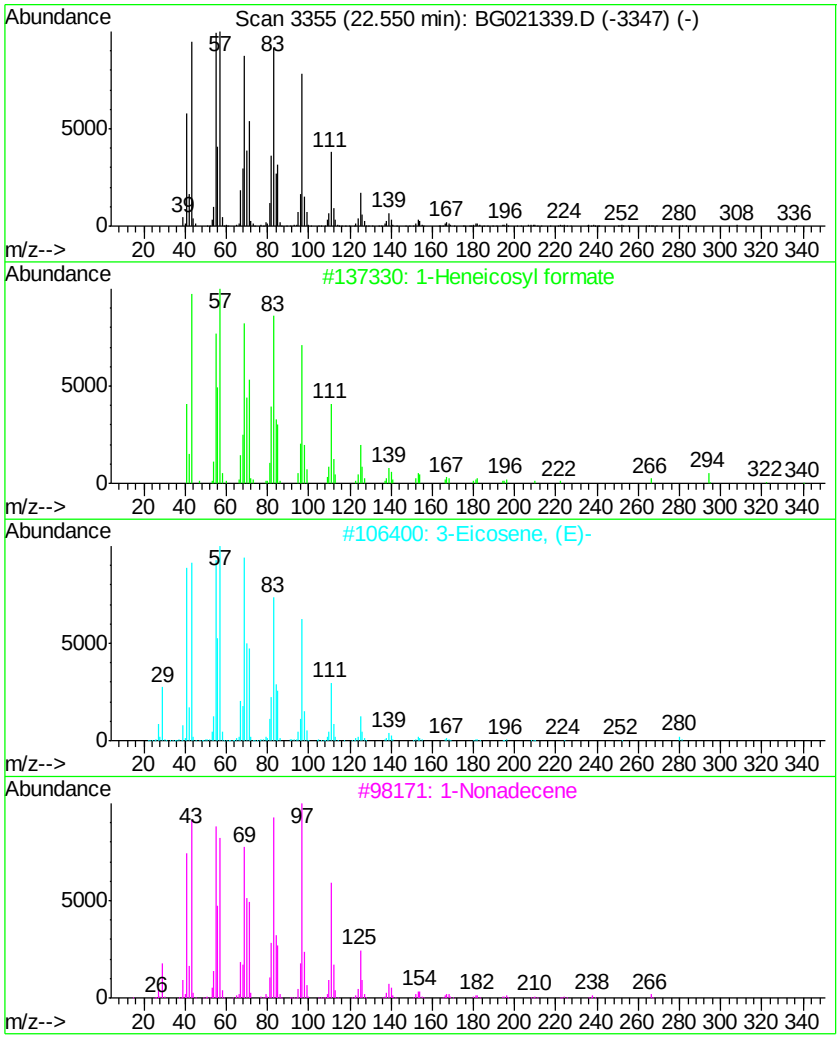
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

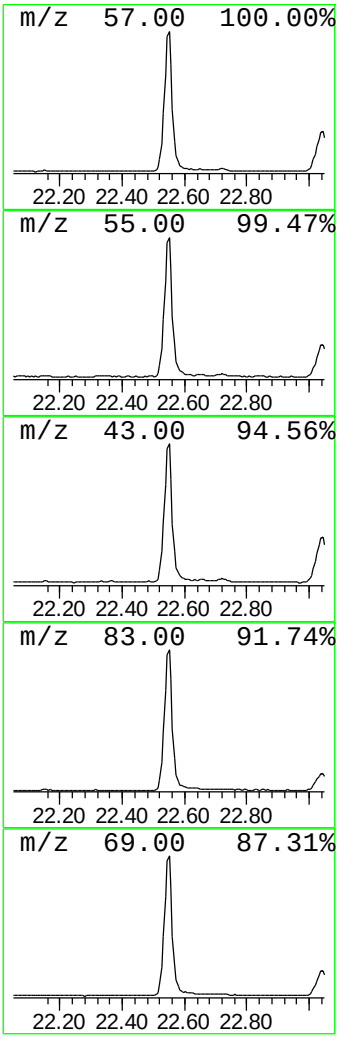
**********

Peak Number 17 1-Heneicosyl formate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.55 | 36.84 ng/ul | 1844460 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 94 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 5 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 91 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

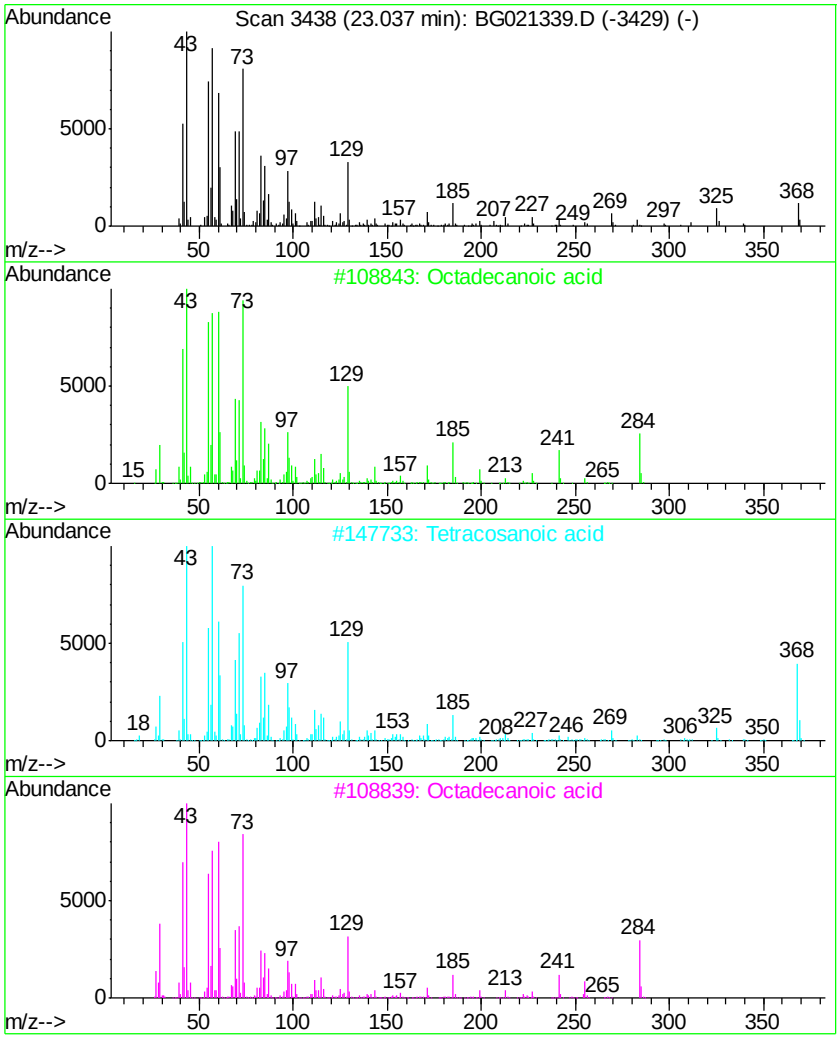
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

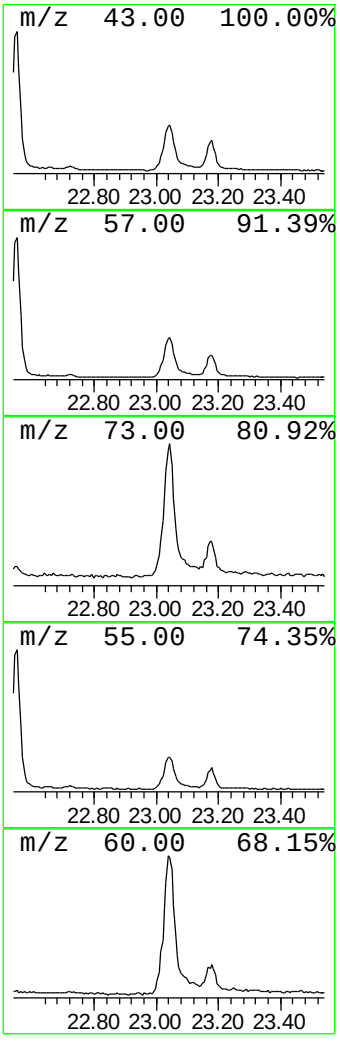
**********

Peak Number 18 Octadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.04 | 17.65 ng/ul | 883578 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 2 | Tetracosanoic acid | 368 | C24H48O2 | 000557-59-5 | 96 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 94 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 83 |
| 5 | Docosanoic acid | 340 | C22H44O2 | 000112-85-6 | 74 |



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Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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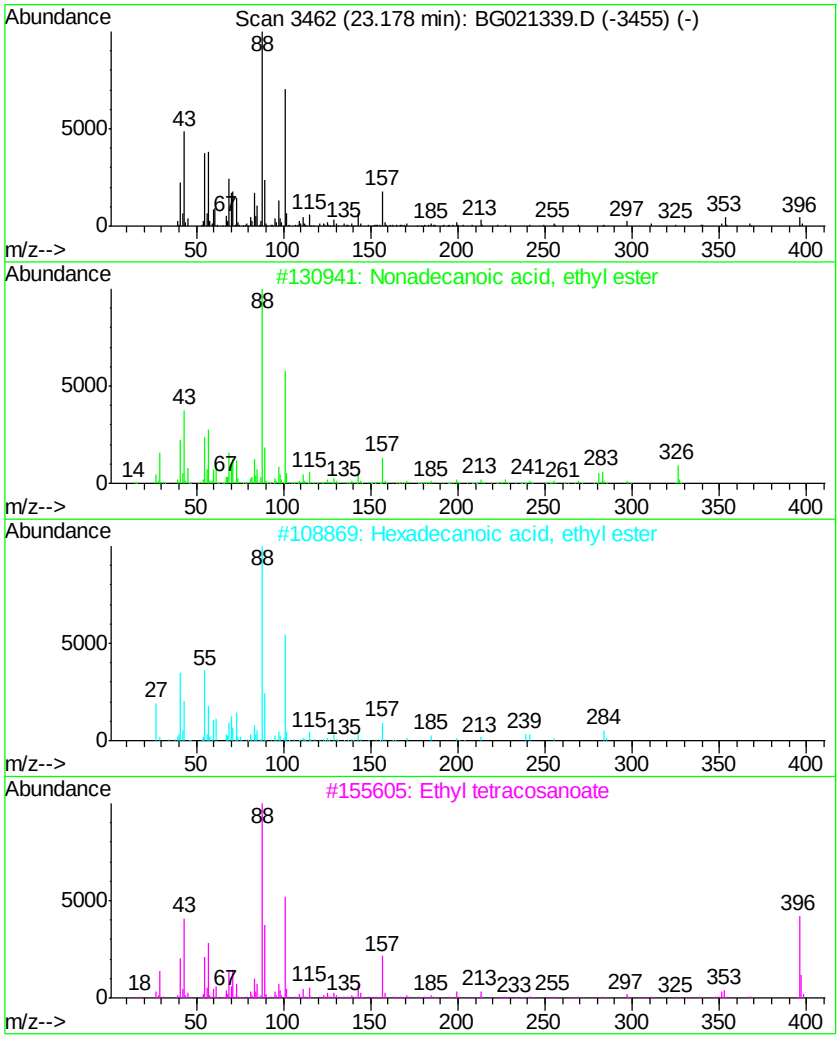
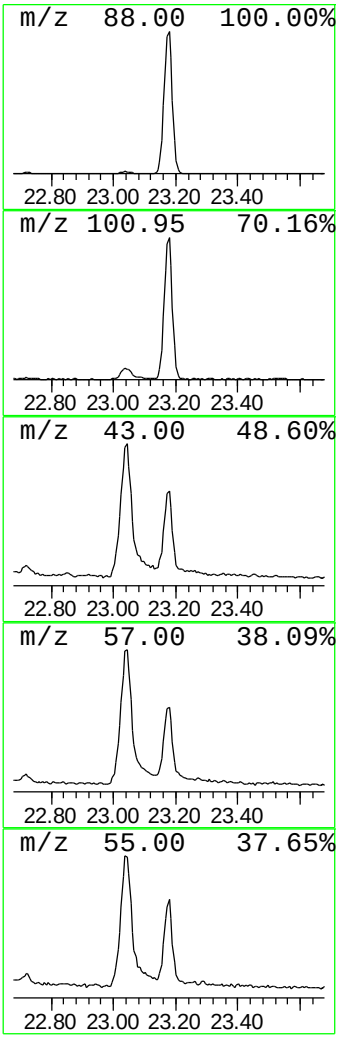
Peak Number 19 Nonadecanoic acid, ethyl ester Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.18 | 8.36 ng/ul | 418346 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecanoic acid, ethyl ester | 326 | C21H42O2 | 018281-04-4 | 91 |
| 2 | Hexadecanoic acid, ethyl ester | 284 | C18H36O2 | 000628-97-7 | 90 |
| 3 | Ethyl tetracosanoate | 396 | C26H52O2 | 024634-95-5 | 90 |
| 4 | Eicosanoic acid, ethyl ester | 340 | C22H44O2 | 018281-05-5 | 80 |
| 5 | Octadecanoic acid, ethyl ester | 312 | C20H40O2 | 000111-61-5 | 78 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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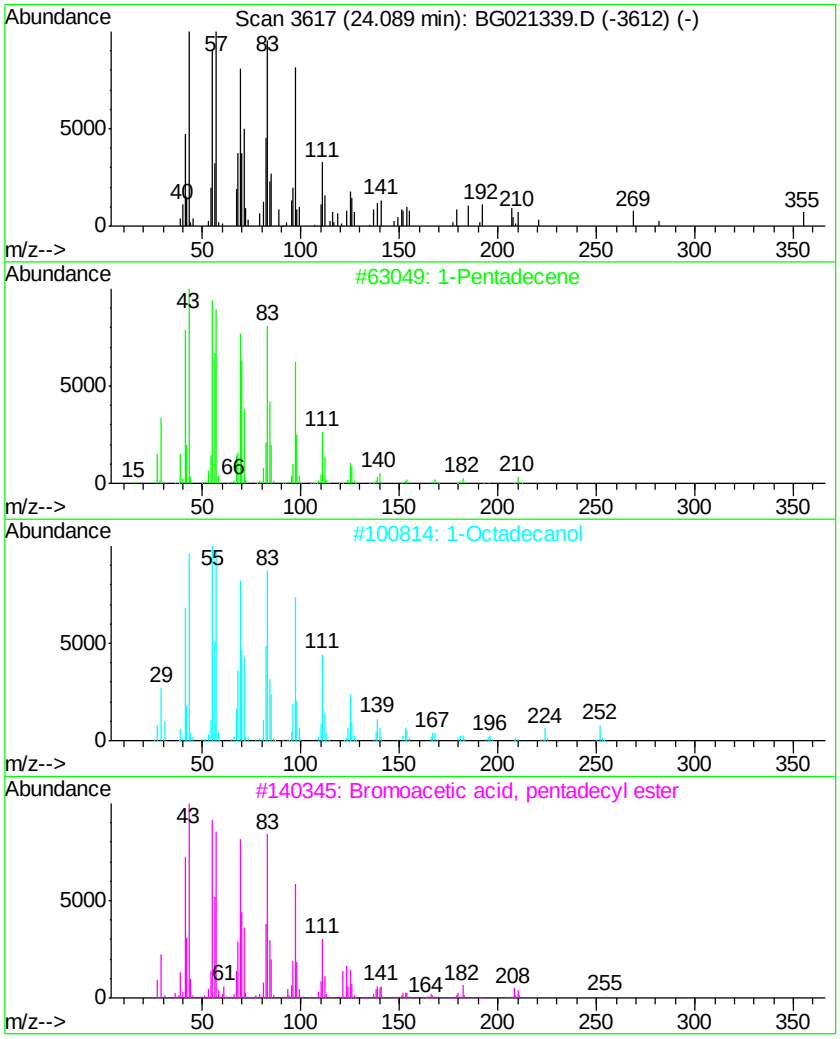
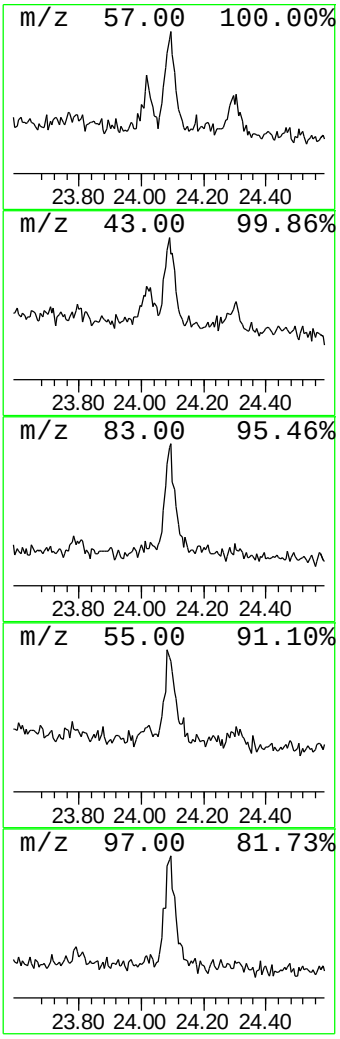
Peak Number 20 (DEL) Alkane: Cyclic24.09 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.09 | 5.68 ng/ul | 64023 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 91 |
| 2 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 87 |
| 3 | Bromoacetic acid, pentadecyl ester | 348 | C17H33BrO2 | 131143-01-6 | 86 |
| 4 | 1-Nonadecanol | 284 | C19H40O | 001454-84-8 | 86 |
| 5 | Isoheptadecanol | 256 | C17H36O | 057289-07-3 | 80 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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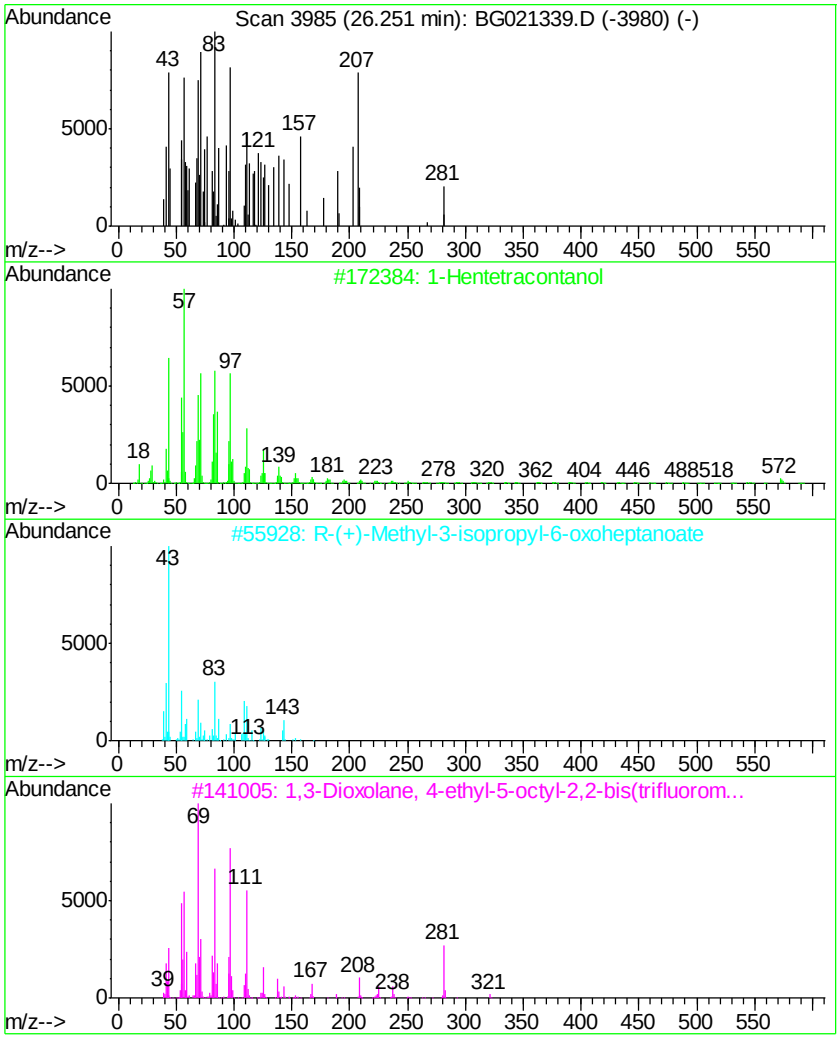
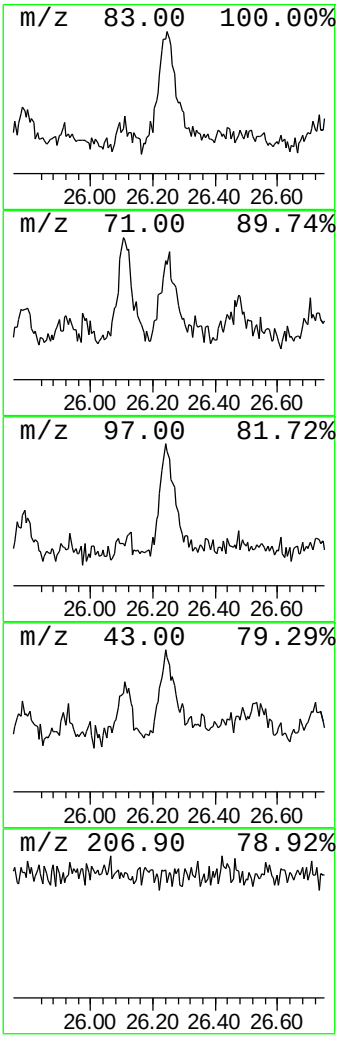
Peak Number 21 unknown-04 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.25 | 3.77 ng/ul | 42448 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hentetracontanol | 593 | C41H84O | 040710-42-7 | 25 |
| 2 | R-(+)-Methyl-3-isopropyl-6-oxohe... | 200 | C11H20O3 | 091201-40-0 | 22 |
| 3 | 1,3-Dioxolane, 4-ethyl-5-octyl-2... | 350 | C15H24F6O2 | 038274-72-5 | 16 |
| 4 | Cyclopentane, (4-octyldodecyl)- | 350 | C25H50 | 005638-09-5 | 16 |
| 5 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 16 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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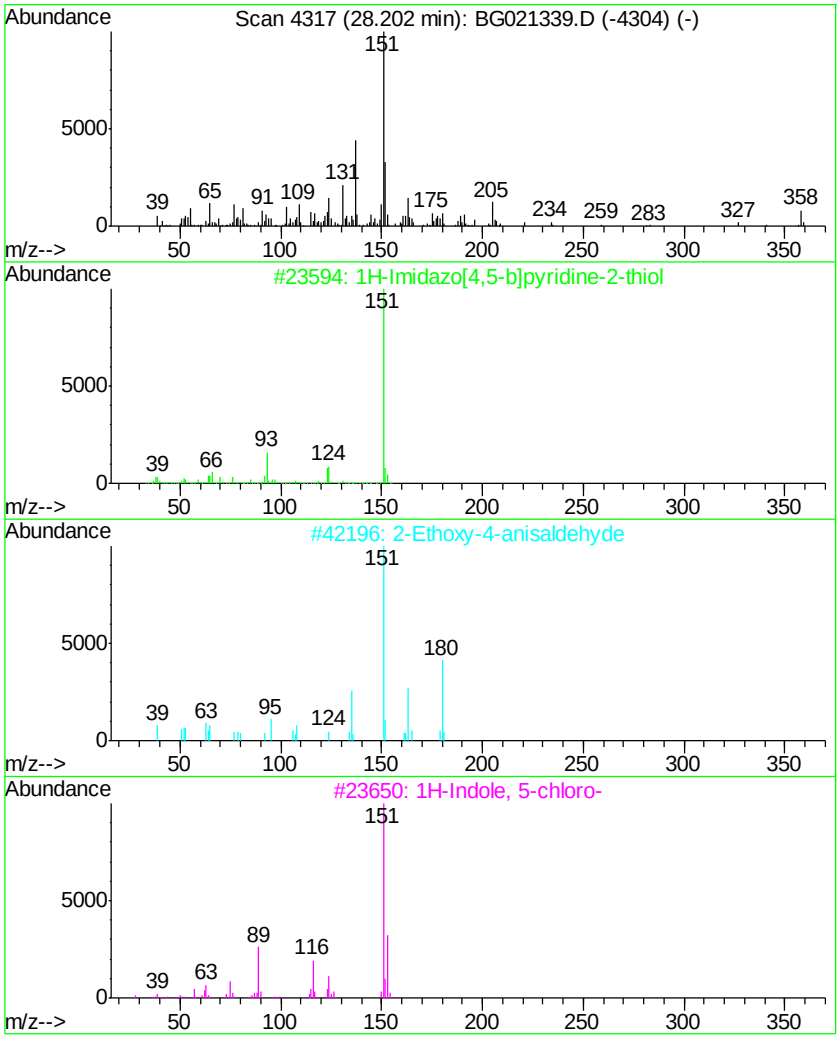
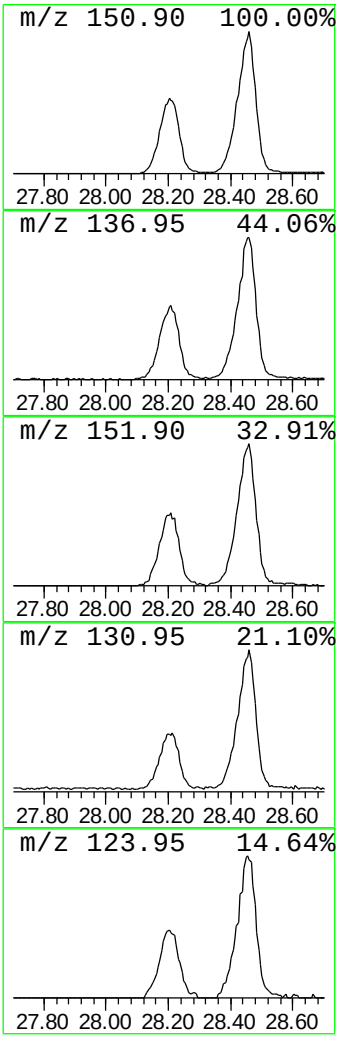
Peak Number 22 unknown-05 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.20 | 58.66 ng/ul | 660655 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Imidazo[4,5-b]pyridine-2-thiol | 151 | C6H5N3S | 029448-81-5 | 35 |
| 2 | 2-Ethoxy-4-anisaldehyde | 180 | C10H12O3 | 042924-37-8 | 35 |
| 3 | 1H-Indole, 5-chloro- | 151 | C8H6ClN | 017422-32-1 | 35 |
| 4 | 1H-1,2,4-Triazol-5-amine, N-(3,4... | 234 | C11H14N4O2 | 100057-78-1 | 35 |
| 5 | Benzenepropanenitrile, 3,4-dimet... | 191 | C11H13NO2 | 049621-56-9 | 30 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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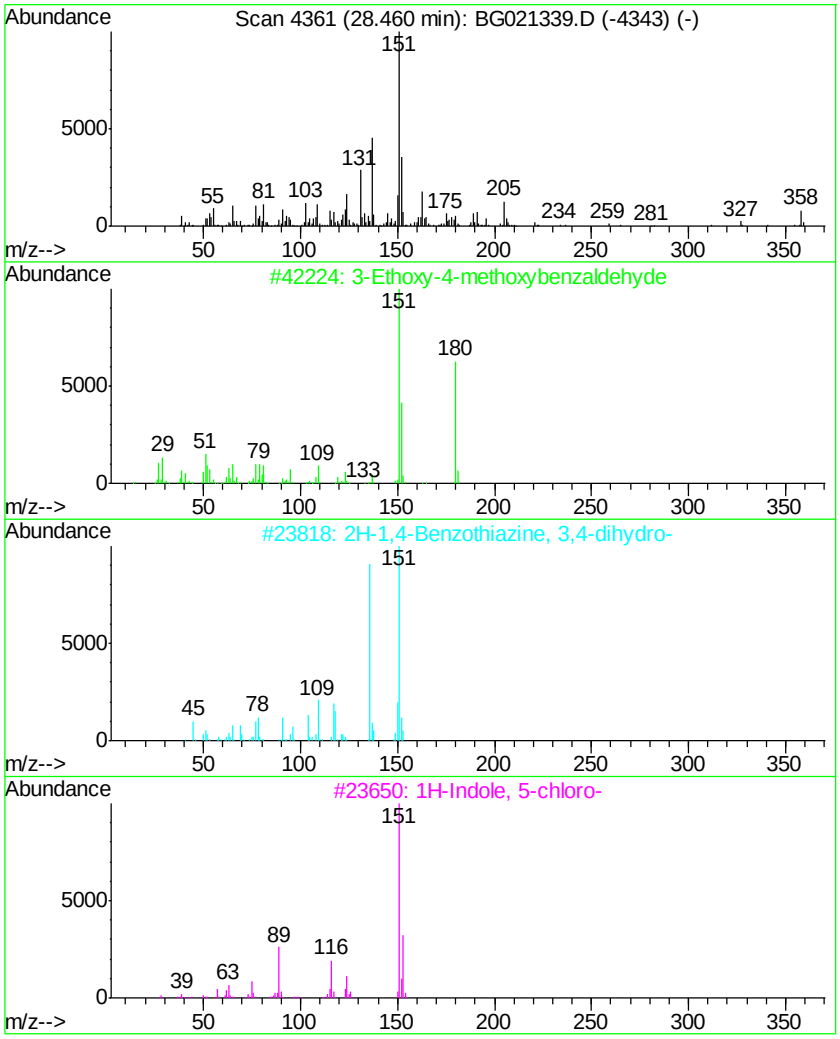
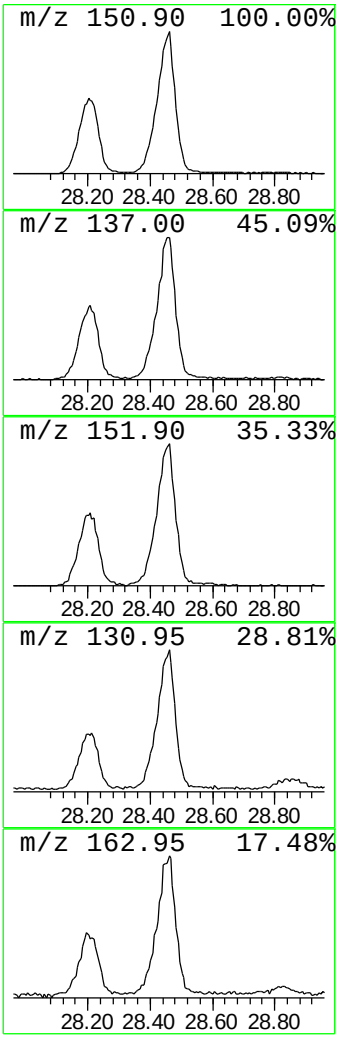
Peak Number 23 unknown-06 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.46 | 113.57 ng/ul | 1279160 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Ethoxy-4-methoxybenzaldehyde | 180 | C10H12O3 | 001131-52-8 | 45 |
| 2 | 2H-1,4-Benzothiazine, 3,4-dihydro- | 151 | C8H9NS | 003080-99-7 | 38 |
| 3 | 1H-Indole, 5-chloro- | 151 | C8H6ClN | 017422-32-1 | 35 |
| 4 | 1H-1,2,4-Triazol-5-amine, N-(3,4... | 234 | C11H14N4O2 | 100057-78-1 | 35 |
| 5 | 3-(3,4-Dimethoxyphenyl)propylami... | 341 | C14H16F5NO3 | 1000072-04-1 | 32 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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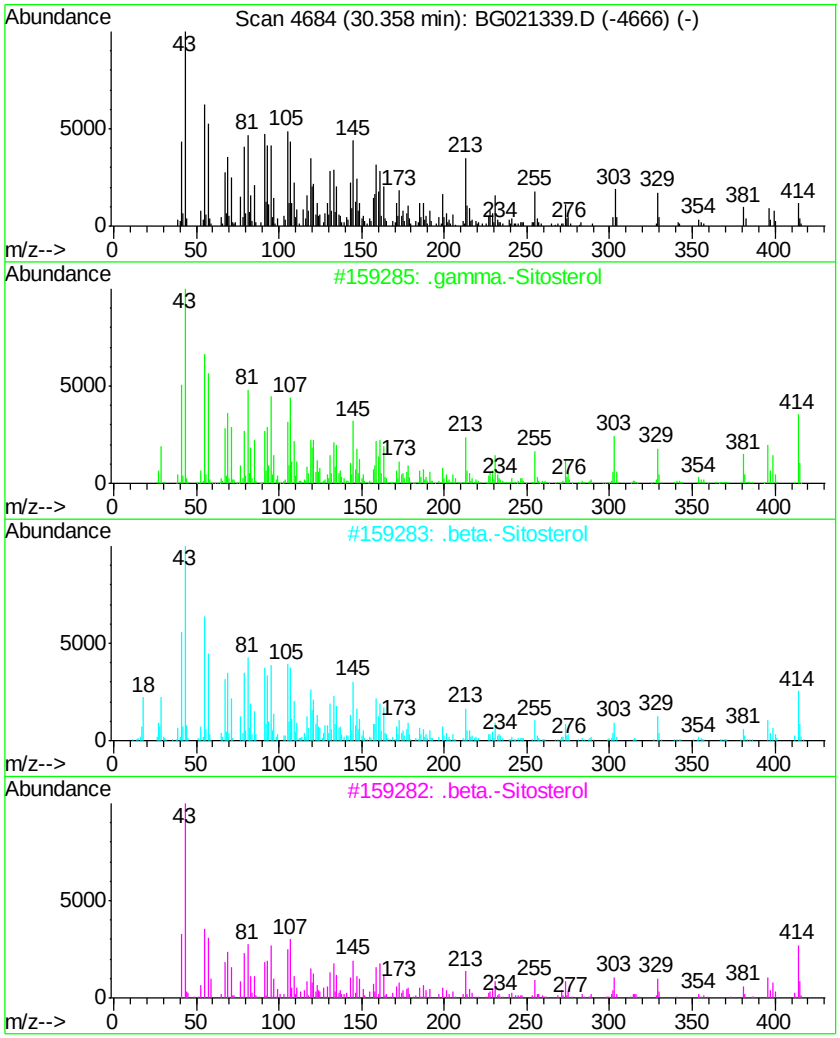
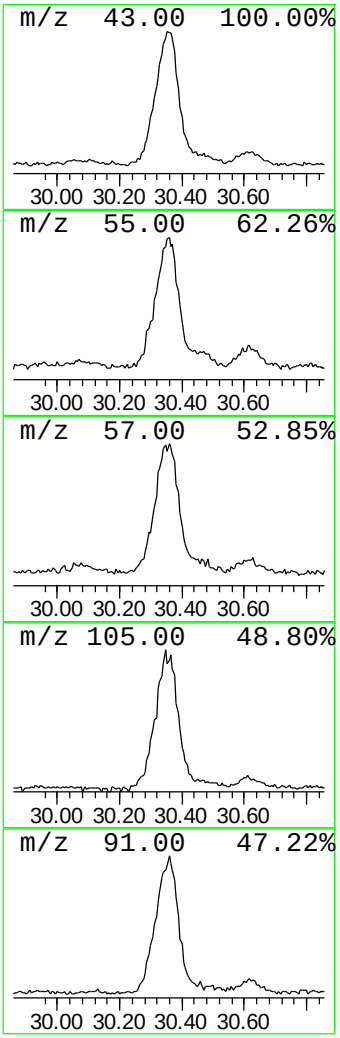
Peak Number 25 .gamma.-Sitosterol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.36 | 116.30 ng/ul | 1309910 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 2 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 99 |
| 3 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 93 |
| 4 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 93 |
| 5 | Stigmasterol, 22,23-dihydro- | 414 | C29H50O | 1000214-20-7 | 91 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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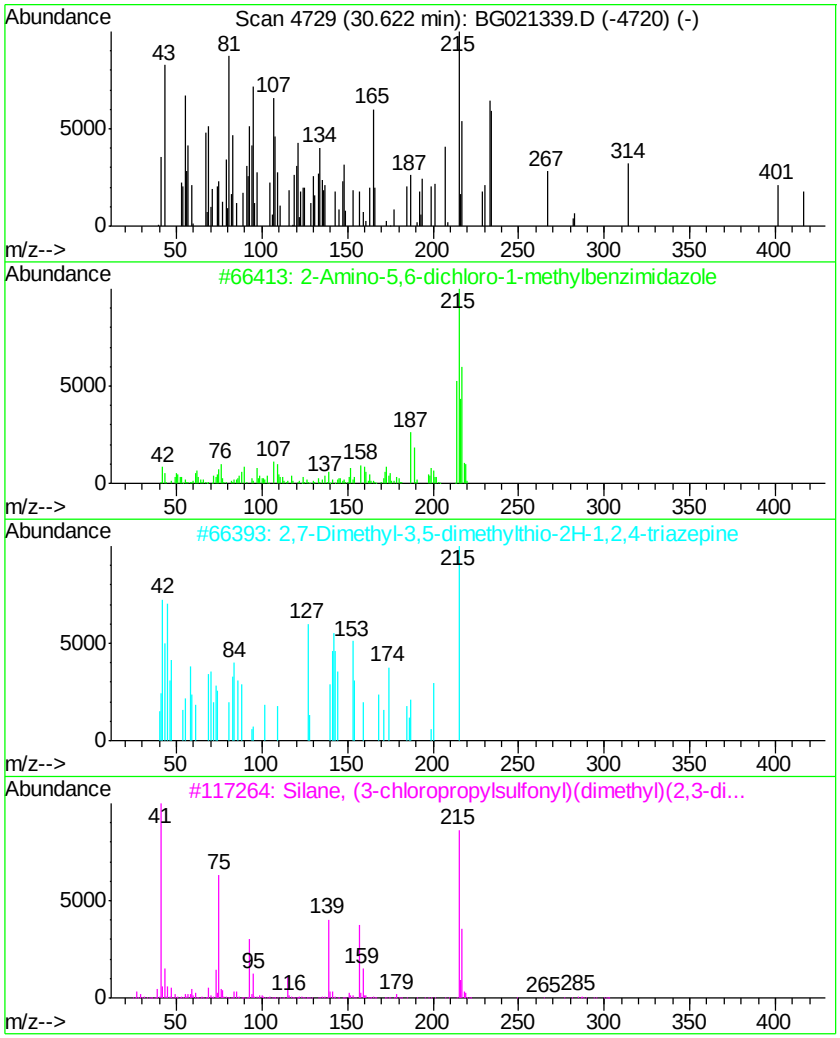
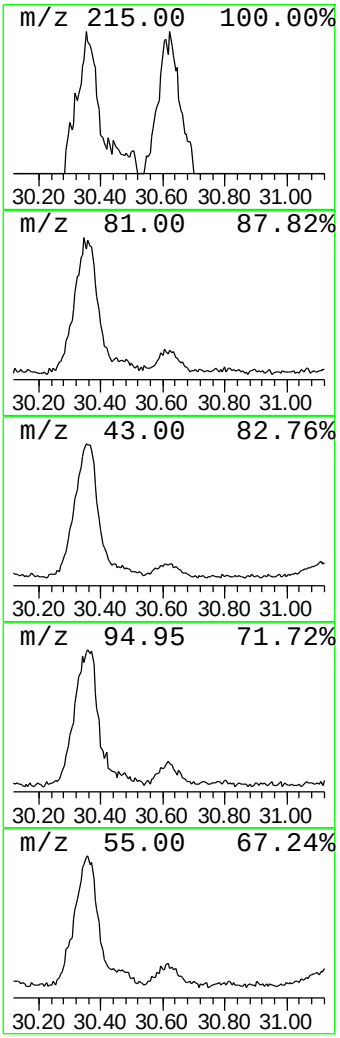
Peak Number 26 unknown-07 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.62 | 10.80 ng/ul | 121656 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Amino-5,6-dichloro-1-methylben... | 215 | C8H7Cl2N3 | 030486-79-4 | 22 |
| 2 | 2,7-Dimethyl-3,5-dimethylthio-2H... | 215 | C8H13N3S2 | 066425-11-4 | 15 |
| 3 | Silane, (3-chloropropylsulfonyl)... | 300 | C11H25ClO3SSi | 1000160-39-3 | 12 |
| 4 | Pentanenitrile, 2-(4-fluoropheny... | 233 | C12H12FN3O | 1000269-22-3 | 10 |
| 5 | 4,6-Diamino-5-furoylaminopyrimidine | 219 | C9H9N5O2 | 053130-90-8 | 10 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021339.D
Acq On : 7 Mar 2016 14:44
Operator : UM/SJ
Sample : H1625-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JHFF3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 15.55 | 2.0 | ng/ul | 19318 | 3 | 14.74 | 191921 | 20.0 |
| (DEL) Alkane: Str... | 16.41 | 4.6 | ng/ul | 45022 | 4 | 17.47 | 197274 | 20.0 |
| n-Hexadecanoic acid | 18.34 | 10.4 | ng/ul | 102151 | 4 | 17.47 | 197274 | 20.0 |
| Bicyclo[5.2.0]non... | 18.41 | 2.5 | ng/ul | 24768 | 4 | 17.47 | 197274 | 20.0 |
| unknown-01 | 18.47 | 2.3 | ng/ul | 22877 | 4 | 17.47 | 197274 | 20.0 |
| unknown-02 | 18.66 | 3.1 | ng/ul | 30967 | 4 | 17.47 | 197274 | 20.0 |
| unknown-03 | 18.75 | 20.4 | ng/ul | 201422 | 4 | 17.47 | 197274 | 20.0 |
| 18-Norabietane | 18.93 | 48.2 | ng/ul | 475665 | 4 | 17.47 | 197274 | 20.0 |
| 4b,8-Dimethyl-2-i... | 19.07 | 24.9 | ng/ul | 245482 | 4 | 17.47 | 197274 | 20.0 |
| 10,18-Bisnorabiet... | 19.19 | 7.5 | ng/ul | 74083 | 4 | 17.47 | 197274 | 20.0 |
| 10,18-Bisnorabiet... | 19.56 | 74.1 | ng/ul | 730760 | 4 | 17.47 | 197274 | 20.0 |
| 2,4(1H,3H)-Pterid... | 19.65 | 2.8 | ng/ul | 138417 | 5 | 21.73 | 1001300 | 20.0 |
| Phenanthrene, 1-m... | 20.28 | 14.9 | ng/ul | 745850 | 5 | 21.73 | 1001300 | 20.0 |
| Eicosanoic acid | 20.68 | 2.3 | ng/ul | 112648 | 5 | 21.73 | 1001300 | 20.0 |
| Trichloroacetic a... | 21.36 | 32.7 | ng/ul | 1638510 | 5 | 21.73 | 1001300 | 20.0 |
| Heptadecanoic aci... | 21.87 | 13.1 | ng/ul | 657857 | 5 | 21.73 | 1001300 | 20.0 |
| 1-Heneicosyl formate | 22.55 | 36.8 | ng/ul | 1844460 | 5 | 21.73 | 1001300 | 20.0 |
| Octadecanoic acid | 23.04 | 17.6 | ng/ul | 883578 | 5 | 21.73 | 1001300 | 20.0 |
| Nonadecanoic acid... | 23.18 | 8.4 | ng/ul | 418346 | 5 | 21.73 | 1001300 | 20.0 |
| (DEL) Alkane: Cyc... | 24.09 | 5.7 | ng/ul | 64023 | 6 | 24.99 | 225259 | 20.0 |
| unknown-04 | 26.25 | 3.8 | ng/ul | 42448 | 6 | 24.99 | 225259 | 20.0 |
| unknown-05 | 28.20 | 58.7 | ng/ul | 660655 | 6 | 24.99 | 225259 | 20.0 |
| unknown-06 | 28.46 | 113.6 | ng/ul | 1279160 | 6 | 24.99 | 225259 | 20.0 |
| .gamma.-Sitosterol | 30.36 | 116.3 | ng/ul | 1309910 | 6 | 24.99 | 225259 | 20.0 |
| unknown-07 | 30.62 | 10.8 | ng/ul | 121656 | 6 | 24.99 | 225259 | 20.0 |