LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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 | 2.902 | 6 | 11 | 27 | rVB | 43385 | 97016 | 25.07% | 2.128% |
| 2 | 3.189 | 54 | 60 | 71 | rBV2 | 22699 | 42960 | 11.10% | 0.942% |
| 3 | 3.536 | 115 | 119 | 123 | rBV | 3130 | 3985 | 1.03% | 0.087% |
| 4 | 3.983 | 193 | 195 | 198 | rVB | 563 | 600 | 0.16% | 0.013% |
| 5 | 4.688 | 313 | 315 | 318 | rVB | 623 | 626 | 0.16% | 0.014% |
| 6 | 5.228 | 404 | 407 | 410 | rVB2 | 646 | 861 | 0.22% | 0.019% |
| 7 | 5.252 | 410 | 411 | 414 | rBV | 566 | 609 | 0.16% | 0.013% |
| 8 | 5.687 | 482 | 485 | 488 | rVB2 | 467 | 575 | 0.15% | 0.013% |
| 9 | 5.851 | 509 | 513 | 515 | rBV | 452 | 607 | 0.16% | 0.013% |
| 10 | 6.010 | 537 | 540 | 543 | rVB2 | 536 | 776 | 0.20% | 0.017% |
| 11 | 6.356 | 595 | 599 | 604 | rBB | 623 | 788 | 0.20% | 0.017% |
| 12 | 6.468 | 614 | 618 | 620 | rBB | 498 | 595 | 0.15% | 0.013% |
| 13 | 7.273 | 749 | 755 | 767 | rBB | 68452 | 117680 | 30.41% | 2.581% |
| 14 | 7.443 | 778 | 784 | 792 | rBB | 51212 | 82547 | 21.33% | 1.810% |
| 15 | 7.655 | 813 | 820 | 829 | rBB | 65453 | 111762 | 28.88% | 2.451% |
| 16 | 8.125 | 894 | 900 | 906 | rBV | 43997 | 73140 | 18.90% | 1.604% |
| 17 | 8.818 | 1012 | 1018 | 1027 | rBB | 87833 | 145651 | 37.63% | 3.194% |
| 18 | 9.288 | 1091 | 1098 | 1107 | rBB | 68612 | 120678 | 31.18% | 2.647% |
| 19 | 9.664 | 1160 | 1162 | 1166 | rVB | 799 | 871 | 0.23% | 0.019% |
| 20 | 10.011 | 1215 | 1221 | 1228 | rBB | 60904 | 107214 | 27.70% | 2.351% |
| 21 | 10.546 | 1305 | 1312 | 1321 | rVB | 83035 | 146553 | 37.87% | 3.214% |
| 22 | 10.933 | 1371 | 1378 | 1387 | rBB | 67772 | 120091 | 31.03% | 2.634% |
| 23 | 11.063 | 1392 | 1400 | 1409 | rBV | 75884 | 136026 | 35.15% | 2.983% |
| 24 | 12.502 | 1642 | 1645 | 1649 | rVB2 | 984 | 1302 | 0.34% | 0.029% |
| 25 | 13.542 | 1818 | 1822 | 1825 | rBB | 1423 | 1548 | 0.40% | 0.034% |
| 26 | 13.613 | 1830 | 1834 | 1839 | rVB2 | 1561 | 2072 | 0.54% | 0.045% |
| 27 | 14.130 | 1916 | 1922 | 1927 | rBV | 153845 | 220094 | 56.87% | 4.827% |
| 28 | 14.177 | 1927 | 1930 | 1936 | rVB | 21910 | 29010 | 7.50% | 0.636% |
| 29 | 14.429 | 1966 | 1973 | 1979 | rBV | 171095 | 265410 | 68.57% | 5.821% |
| 30 | 14.605 | 1999 | 2003 | 2007 | rBB2 | 7255 | 8399 | 2.17% | 0.184% |
| 31 | 14.735 | 2018 | 2025 | 2032 | rBV2 | 101819 | 163446 | 42.23% | 3.585% |
| 32 | 14.917 | 2050 | 2056 | 2072 | rBV | 73421 | 122114 | 31.55% | 2.678% |
| 33 | 15.046 | 2074 | 2078 | 2085 | rBB2 | 1523 | 2756 | 0.71% | 0.060% |
| 34 | 15.099 | 2085 | 2087 | 2091 | rBB2 | 816 | 1042 | 0.27% | 0.023% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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 | 15.158 | 2093 | 2097 | 2101 | rVB | 1022 | 1286 | 0.33% | 0.028% |
| 36 | 15.222 | 2103 | 2108 | 2112 | rBV2 | 1897 | 2661 | 0.69% | 0.058% |
| 37 | 15.287 | 2116 | 2119 | 2122 | rBB | 1076 | 1058 | 0.27% | 0.023% |
| 38 | 15.510 | 2155 | 2157 | 2160 | rBB | 715 | 546 | 0.14% | 0.012% |
| 39 | 15.551 | 2160 | 2164 | 2169 | rBB | 11775 | 14174 | 3.66% | 0.311% |
| 40 | 15.616 | 2172 | 2175 | 2177 | rBV2 | 930 | 1050 | 0.27% | 0.023% |
| 41 | 15.722 | 2187 | 2193 | 2200 | rVB | 225546 | 328561 | 84.89% | 7.206% |
| 42 | 15.828 | 2206 | 2211 | 2219 | rBB | 72829 | 107295 | 27.72% | 2.353% |
| 43 | 15.957 | 2225 | 2233 | 2237 | rBV3 | 4244 | 7296 | 1.89% | 0.160% |
| 44 | 15.992 | 2237 | 2239 | 2243 | rVB | 863 | 1100 | 0.28% | 0.024% |
| 45 | 16.057 | 2244 | 2250 | 2251 | rBV2 | 1395 | 1579 | 0.41% | 0.035% |
| 46 | 16.104 | 2255 | 2258 | 2262 | rBB | 1522 | 1818 | 0.47% | 0.040% |
| 47 | 16.174 | 2267 | 2270 | 2274 | rBB | 1796 | 1885 | 0.49% | 0.041% |
| 48 | 16.303 | 2288 | 2292 | 2294 | rBB | 492 | 597 | 0.15% | 0.013% |
| 49 | 16.409 | 2306 | 2310 | 2318 | rBV2 | 10793 | 18045 | 4.66% | 0.396% |
| 50 | 16.756 | 2364 | 2369 | 2371 | rBV2 | 1668 | 2238 | 0.58% | 0.049% |
| 51 | 16.803 | 2376 | 2377 | 2382 | rBV | 715 | 1140 | 0.29% | 0.025% |
| 52 | 16.838 | 2382 | 2383 | 2387 | rVV2 | 954 | 1341 | 0.35% | 0.029% |
| 53 | 16.868 | 2387 | 2388 | 2393 | rVB | 897 | 862 | 0.22% | 0.019% |
| 54 | 16.915 | 2393 | 2396 | 2401 | rBB | 881 | 893 | 0.23% | 0.020% |
| 55 | 17.202 | 2440 | 2445 | 2449 | rBB | 4374 | 5166 | 1.33% | 0.113% |
| 56 | 17.249 | 2449 | 2453 | 2461 | rBB3 | 1802 | 2398 | 0.62% | 0.053% |
| 57 | 17.467 | 2484 | 2490 | 2499 | rVB | 129330 | 192163 | 49.65% | 4.215% |
| 58 | 17.567 | 2501 | 2507 | 2514 | rBV2 | 235132 | 346245 | 89.46% | 7.594% |
| 59 | 17.937 | 2569 | 2570 | 2575 | rVB2 | 592 | 533 | 0.14% | 0.012% |
| 60 | 18.049 | 2587 | 2589 | 2592 | rVB | 534 | 519 | 0.13% | 0.011% |
| 61 | 18.201 | 2611 | 2615 | 2618 | rBV | 387 | 640 | 0.17% | 0.014% |
| 62 | 18.272 | 2624 | 2627 | 2630 | rBV | 529 | 823 | 0.21% | 0.018% |
| 63 | 18.336 | 2633 | 2638 | 2647 | rVV | 18317 | 27319 | 7.06% | 0.599% |
| 64 | 18.413 | 2649 | 2651 | 2655 | rVB | 936 | 1141 | 0.29% | 0.025% |
| 65 | 18.707 | 2698 | 2701 | 2703 | rBV2 | 444 | 519 | 0.13% | 0.011% |
| 66 | 19.153 | 2773 | 2777 | 2781 | rVB | 575 | 848 | 0.22% | 0.019% |
| 67 | 19.482 | 2827 | 2833 | 2836 | rBV2 | 2070 | 3149 | 0.81% | 0.069% |
| 68 | 19.594 | 2849 | 2852 | 2859 | rBV4 | 2556 | 5261 | 1.36% | 0.115% |
| 69 | 19.735 | 2873 | 2876 | 2879 | rBV2 | 1427 | 2157 | 0.56% | 0.047% |
| 70 | 19.776 | 2881 | 2883 | 2886 | rVB2 | 732 | 763 | 0.20% | 0.017% |
| 71 | 19.841 | 2886 | 2894 | 2903 | rBV | 268089 | 387039 | 100.00% | 8.489% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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 | 20.258 | 2964 | 2965 | 2968 | rBV2 | 985 | 1201 | 0.31% | 0.026% |
| 73 | 20.316 | 2974 | 2975 | 2977 | rBV | 1622 | 1306 | 0.34% | 0.029% |
| 74 | 20.640 | 3028 | 3030 | 3031 | rBV2 | 1196 | 726 | 0.19% | 0.016% |
| 75 | 21.351 | 3146 | 3151 | 3161 | rBV5 | 23057 | 48468 | 12.52% | 1.063% |
| 76 | 21.727 | 3209 | 3215 | 3224 | rVB | 139775 | 216674 | 55.98% | 4.752% |
| 77 | 23.190 | 3459 | 3464 | 3477 | rVB | 50738 | 93772 | 24.23% | 2.057% |
| 78 | 23.401 | 3494 | 3500 | 3505 | rBV2 | 25959 | 49324 | 12.74% | 1.082% |
| 79 | 24.758 | 3721 | 3731 | 3740 | rBV | 126135 | 348719 | 90.10% | 7.648% |
| 80 | 24.982 | 3760 | 3769 | 3781 | rVB2 | 70210 | 196855 | 50.86% | 4.317% |
| 81 | 30.651 | 4732 | 4734 | 4735 | rBV | 2097 | 996 | 0.26% | 0.022% |

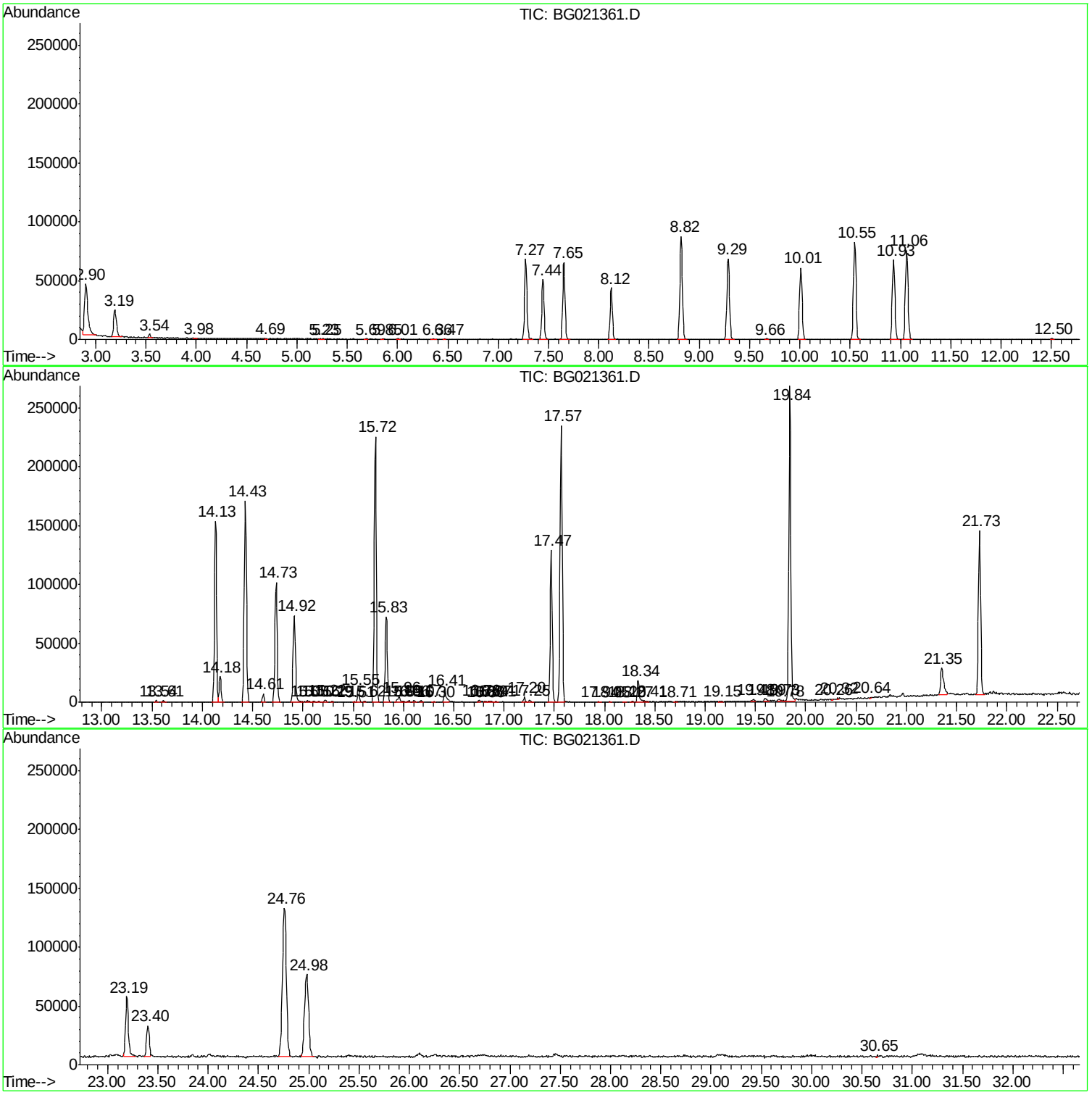
Sum of corrected areas: 4559553

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MS-DS-B280

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\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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

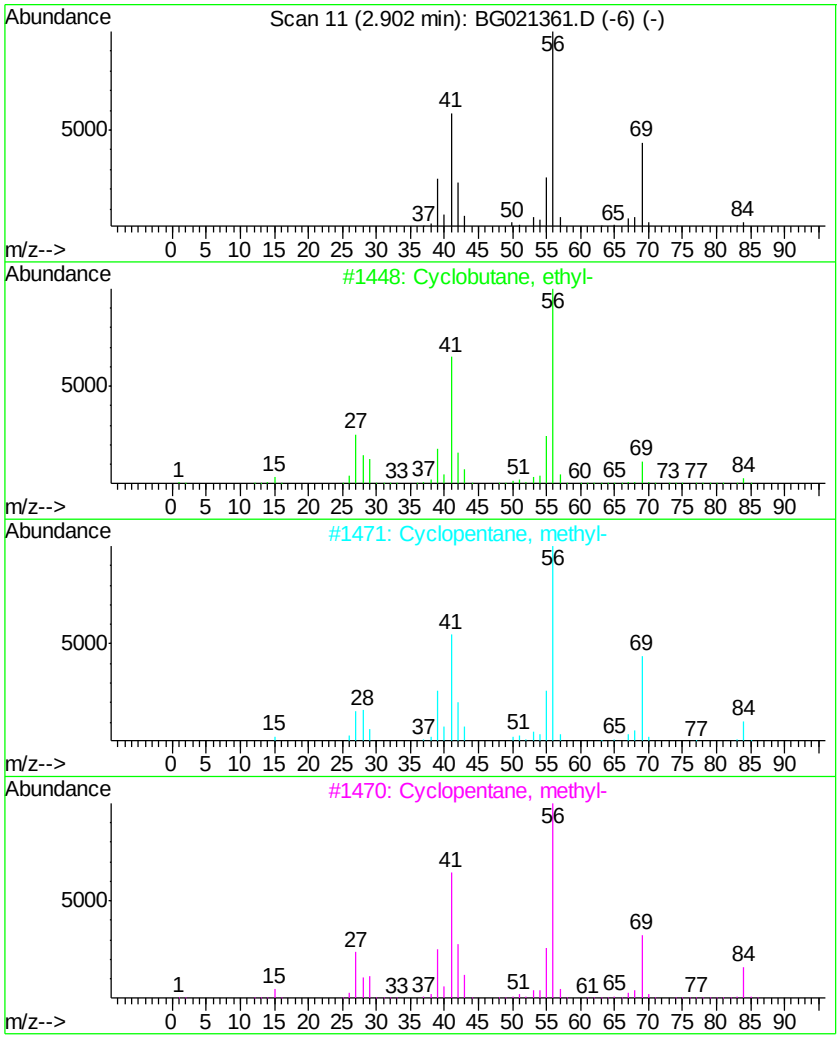
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

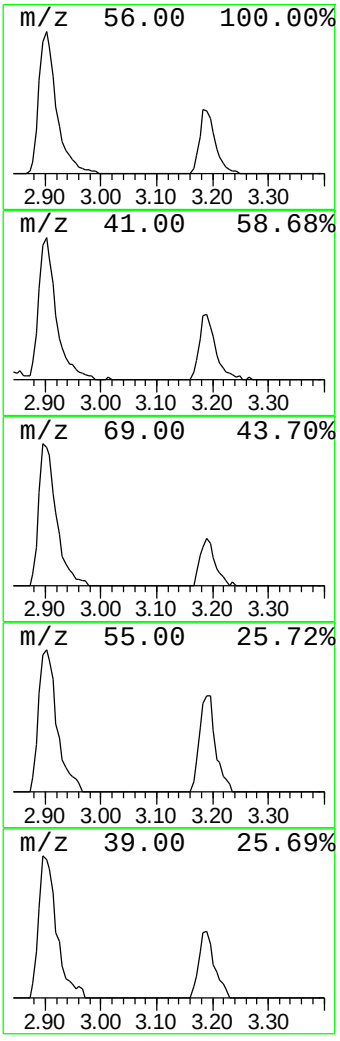
**********

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.90 | 26.53 ng/ul | 97016 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 80 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 3 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 74 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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

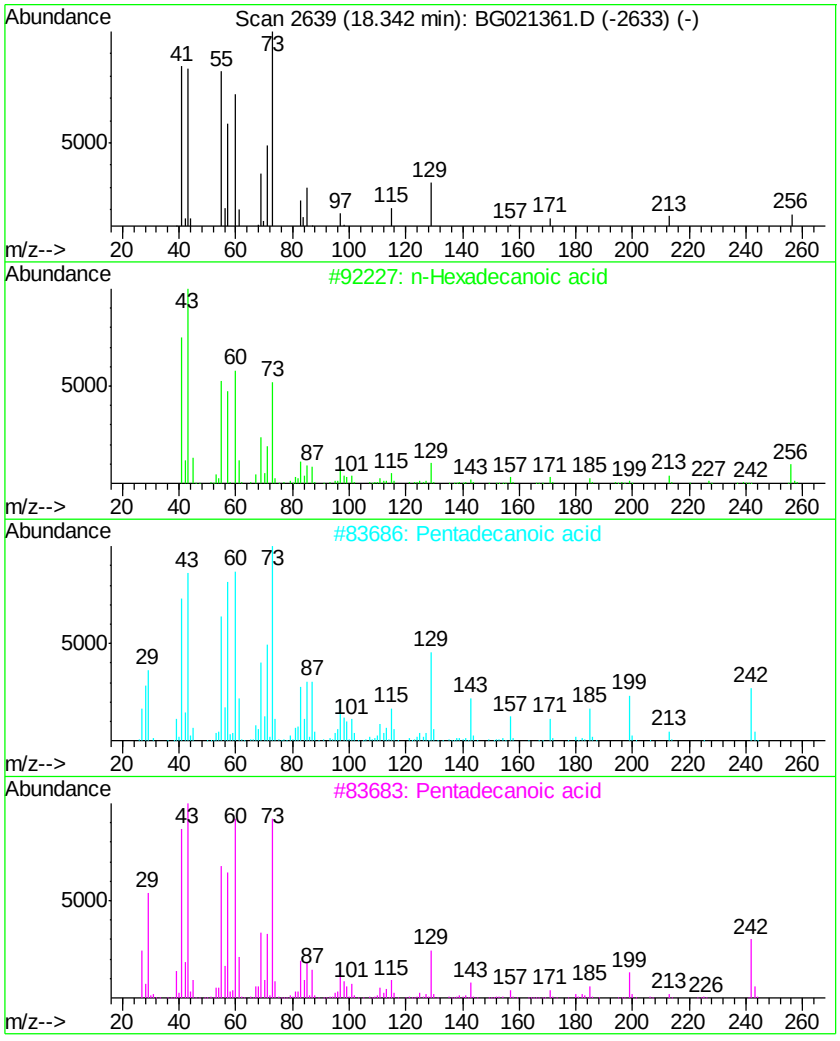
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

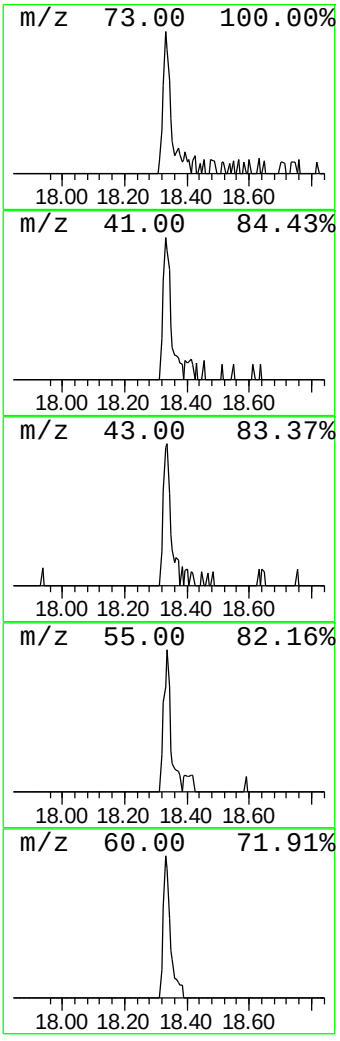
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 2.84 ng/ul | 27319 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 59 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 58 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 50 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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

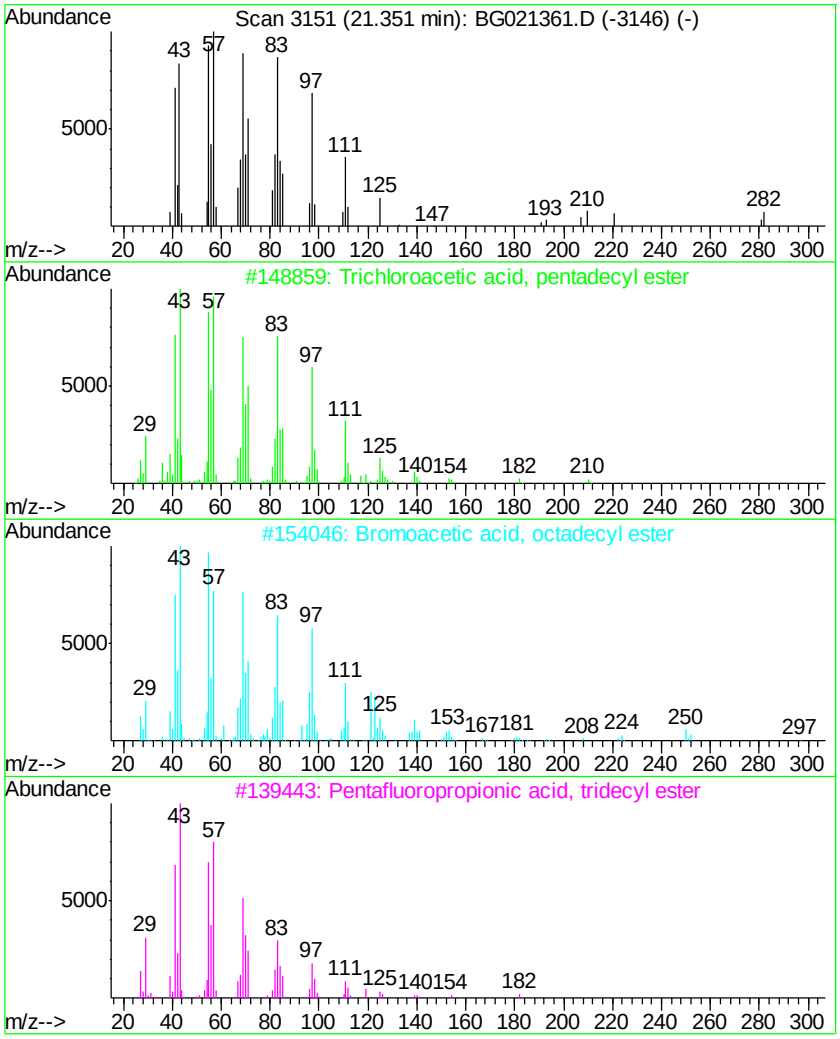
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

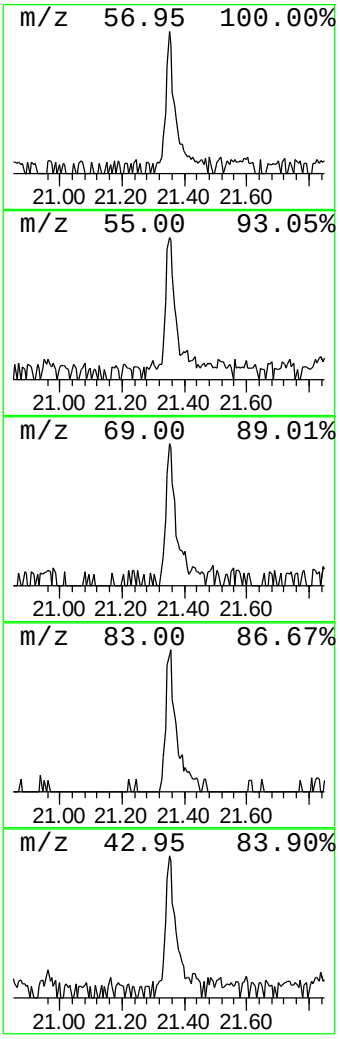
**********

Peak Number 4 Trichloroacetic acid, penta... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.35 | 4.47 ng/ul | 48468 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 2 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 91 |
| 3 | Pentafluoropropionic acid, tride... | 346 | C16H27F5O2 | 1000280-07-3 | 91 |
| 4 | Acetic acid, chloro-, octadecyl ... | 346 | C20H39ClO2 | 005348-82-3 | 91 |
| 5 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 87 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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

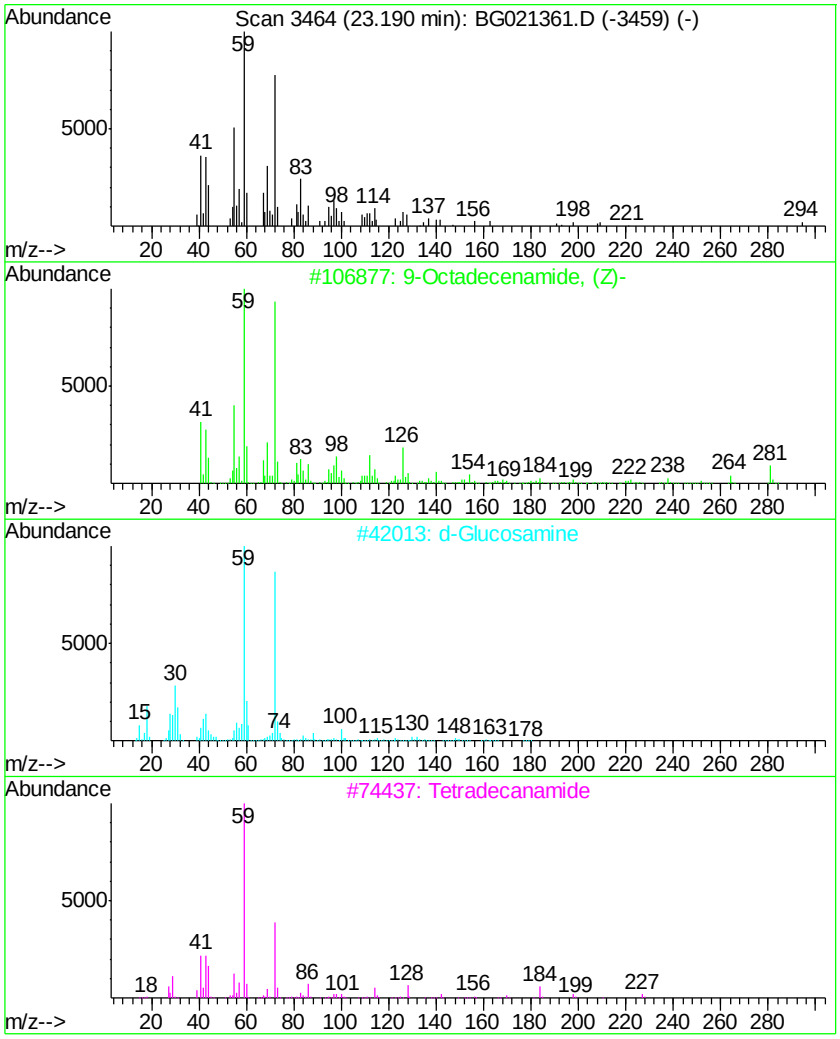
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

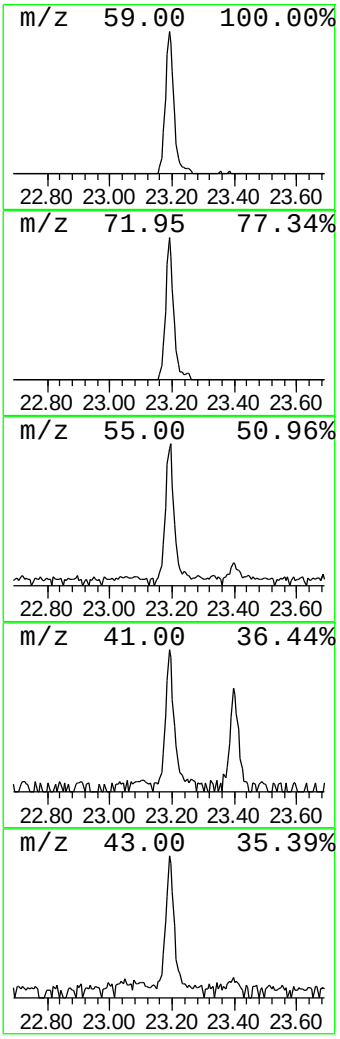
**********

Peak Number 5 9-Octadecenamide, (Z)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.19 | 8.66 ng/ul | 93772 | Chrysene-d12 | 21.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 64 |
| 2 | d-Glucosamine | 179 | C6H13NO5 | 000090-77-7 | 53 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 50 |
| 4 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 49 |
| 5 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 47 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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

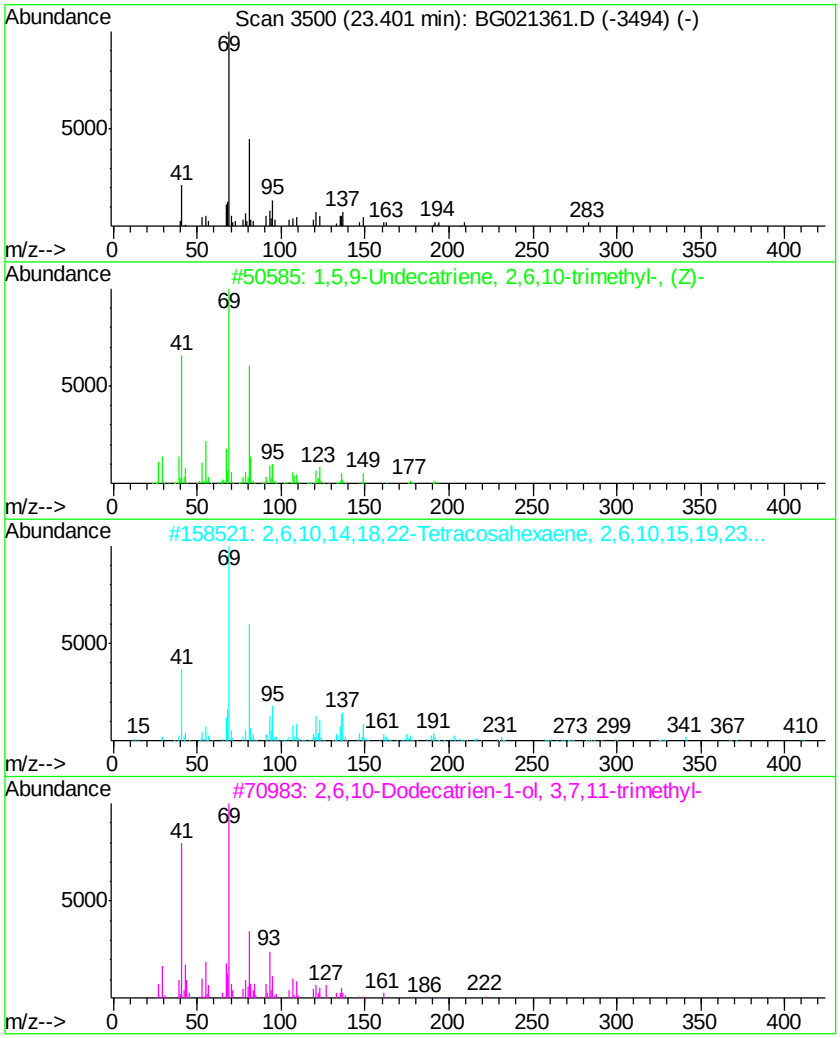
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

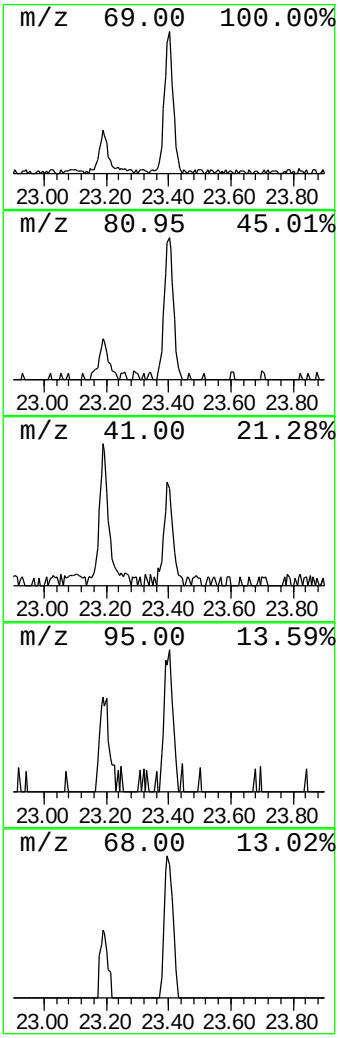
**********

Peak Number 6 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.40 | 5.01 ng/ul | 49324 | Perylene-d12 | 24.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24 | 062951-96-6 | 90 |
| 2 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 78 |
| 3 | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0 | 72 |
| 4 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 72 |
| 5 | Farnesol isomer a | 222 | C15H26O | 1000108-92-4 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021361.D
Acq On : 8 Mar 2016 11:16
Operator : UM/SJ
Sample : H1655-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-DS-B280

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: Cyc... | 2.90 | 26.5 | ng/ul | 97016 | 1 | 8.12 | 73140 | 20.0 |
| n-Hexadecanoic acid | 18.34 | 2.8 | ng/ul | 27319 | 4 | 17.47 | 192163 | 20.0 |
| Trichloroacetic a... | 21.35 | 4.5 | ng/ul | 48468 | 5 | 21.73 | 216674 | 20.0 |
| 9-Octadecenamide,... | 23.19 | 8.7 | ng/ul | 93772 | 5 | 21.73 | 216674 | 20.0 |
| 1,5,9-Undecatrien... | 23.40 | 5.0 | ng/ul | 49324 | 6 | 24.98 | 196855 | 20.0 |