LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023653.D
Acq On : 12 Aug 2016 13:03
Operator : UM/SJ
Sample : H4360-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR001-SS003-0002-01

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-BG080416.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 | 3.142 | 50 | 52 | 53 | rBV2 | 5802 | 4667 | 0.15% | 0.031% |
| 2 | 3.178 | 53 | 58 | 60 | rVV5 | 13369 | 18639 | 0.61% | 0.123% |
| 3 | 3.266 | 69 | 73 | 76 | rBV3 | 12273 | 19869 | 0.65% | 0.132% |
| 4 | 3.601 | 127 | 130 | 135 | rBV6 | 4063 | 5749 | 0.19% | 0.038% |
| 5 | 4.024 | 194 | 202 | 205 | rBV4 | 11001 | 18334 | 0.60% | 0.121% |
| 6 | 4.247 | 238 | 240 | 245 | rBV6 | 3902 | 6698 | 0.22% | 0.044% |
| 7 | 4.593 | 295 | 299 | 300 | rBV3 | 4925 | 5046 | 0.17% | 0.033% |
| 8 | 4.752 | 323 | 326 | 328 | rBV4 | 5351 | 5776 | 0.19% | 0.038% |
| 9 | 4.787 | 328 | 332 | 335 | rVB5 | 3906 | 5513 | 0.18% | 0.036% |
| 10 | 4.987 | 363 | 366 | 369 | rBV3 | 3491 | 4894 | 0.16% | 0.032% |
| 11 | 5.069 | 375 | 380 | 382 | rBV3 | 6370 | 9360 | 0.31% | 0.062% |
| 12 | 5.269 | 411 | 414 | 417 | rBV4 | 8888 | 10562 | 0.35% | 0.070% |
| 13 | 5.428 | 437 | 441 | 444 | rVB6 | 5595 | 7670 | 0.25% | 0.051% |
| 14 | 5.475 | 447 | 449 | 451 | rBV2 | 4860 | 4631 | 0.15% | 0.031% |
| 15 | 5.950 | 529 | 530 | 533 | rVB3 | 6012 | 4649 | 0.15% | 0.031% |
| 16 | 5.986 | 533 | 536 | 540 | rBV3 | 5590 | 6437 | 0.21% | 0.043% |
| 17 | 6.021 | 540 | 542 | 544 | rBV3 | 4476 | 5430 | 0.18% | 0.036% |
| 18 | 6.373 | 601 | 602 | 605 | rBV3 | 5564 | 5676 | 0.19% | 0.038% |
| 19 | 6.473 | 617 | 619 | 622 | rBV3 | 4778 | 5404 | 0.18% | 0.036% |
| 20 | 6.749 | 663 | 666 | 668 | rBV4 | 4447 | 5177 | 0.17% | 0.034% |
| 21 | 6.849 | 680 | 683 | 685 | rBV2 | 4641 | 4649 | 0.15% | 0.031% |
| 22 | 6.873 | 685 | 687 | 690 | rVB3 | 4755 | 5385 | 0.18% | 0.036% |
| 23 | 6.908 | 690 | 693 | 697 | rBV3 | 5204 | 9417 | 0.31% | 0.062% |
| 24 | 7.055 | 714 | 718 | 721 | rBV3 | 4455 | 6191 | 0.20% | 0.041% |
| 25 | 7.278 | 748 | 756 | 763 | rBV2 | 62957 | 124997 | 4.11% | 0.827% |
| 26 | 7.390 | 771 | 775 | 778 | rBV4 | 4167 | 5850 | 0.19% | 0.039% |
| 27 | 7.431 | 778 | 782 | 791 | rVB2 | 44376 | 76163 | 2.51% | 0.504% |
| 28 | 7.537 | 797 | 800 | 805 | rBV6 | 4778 | 7099 | 0.23% | 0.047% |
| 29 | 7.648 | 813 | 819 | 824 | rBV | 77844 | 132017 | 4.34% | 0.874% |
| 30 | 7.983 | 875 | 876 | 878 | rBV2 | 6388 | 4934 | 0.16% | 0.033% |
| 31 | 8.118 | 891 | 899 | 906 | rBV | 416817 | 750591 | 24.70% | 4.968% |
| 32 | 8.230 | 916 | 918 | 922 | rVB2 | 5565 | 5831 | 0.19% | 0.039% |
| 33 | 8.612 | 981 | 983 | 987 | rVB3 | 5438 | 5786 | 0.19% | 0.038% |
| 34 | 8.670 | 992 | 993 | 996 | rVB3 | 6755 | 5491 | 0.18% | 0.036% |

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Sample : H4360-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR001-SS003-0002-01

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-BG080416.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.694 | 996 | 997 | 1000 | rBV3 | 5774 | 6272 | 0.21% | 0.042% |
| 36 | 8.835 | 1015 | 1021 | 1030 | rBV4 | 77693 | 164783 | 5.42% | 1.091% |
| 37 | 9.293 | 1093 | 1099 | 1105 | rBV | 61016 | 117351 | 3.86% | 0.777% |
| 38 | 9.416 | 1116 | 1120 | 1122 | rBV3 | 4056 | 5800 | 0.19% | 0.038% |
| 39 | 9.499 | 1132 | 1134 | 1137 | rVB3 | 5965 | 4685 | 0.15% | 0.031% |
| 40 | 9.669 | 1160 | 1163 | 1164 | rBV2 | 4565 | 5426 | 0.18% | 0.036% |
| 41 | 9.734 | 1173 | 1174 | 1176 | rBV2 | 5780 | 5143 | 0.17% | 0.034% |
| 42 | 9.898 | 1199 | 1202 | 1203 | rBV2 | 5032 | 4567 | 0.15% | 0.030% |
| 43 | 10.033 | 1218 | 1225 | 1233 | rBV | 74792 | 145722 | 4.79% | 0.965% |
| 44 | 10.215 | 1251 | 1256 | 1258 | rBV5 | 4624 | 7143 | 0.24% | 0.047% |
| 45 | 10.515 | 1303 | 1307 | 1309 | rBV4 | 4975 | 5964 | 0.20% | 0.039% |
| 46 | 10.585 | 1311 | 1319 | 1327 | rVV2 | 118520 | 240418 | 7.91% | 1.591% |
| 47 | 10.773 | 1349 | 1351 | 1354 | rVB4 | 6658 | 6081 | 0.20% | 0.040% |
| 48 | 10.891 | 1368 | 1371 | 1373 | rBV4 | 4627 | 5033 | 0.17% | 0.033% |
| 49 | 10.950 | 1373 | 1381 | 1392 | rBV | 773956 | 1403780 | 46.19% | 9.291% |
| 50 | 11.249 | 1431 | 1432 | 1436 | rVB3 | 6745 | 6581 | 0.22% | 0.044% |
| 51 | 11.449 | 1465 | 1466 | 1472 | rVB4 | 4883 | 6426 | 0.21% | 0.043% |
| 52 | 11.654 | 1499 | 1501 | 1504 | rVB3 | 5244 | 5475 | 0.18% | 0.036% |
| 53 | 11.684 | 1504 | 1506 | 1509 | rBV3 | 5279 | 5214 | 0.17% | 0.035% |
| 54 | 11.848 | 1531 | 1534 | 1539 | rVB6 | 5663 | 9066 | 0.30% | 0.060% |
| 55 | 11.978 | 1554 | 1556 | 1559 | rBV4 | 5711 | 5992 | 0.20% | 0.040% |
| 56 | 12.001 | 1559 | 1560 | 1563 | rBV3 | 6289 | 4937 | 0.16% | 0.033% |
| 57 | 12.265 | 1604 | 1605 | 1610 | rVB4 | 7365 | 4723 | 0.16% | 0.031% |
| 58 | 12.354 | 1618 | 1620 | 1624 | rVB5 | 5720 | 6124 | 0.20% | 0.041% |
| 59 | 12.477 | 1640 | 1641 | 1644 | rBV3 | 6135 | 4968 | 0.16% | 0.033% |
| 60 | 12.618 | 1659 | 1665 | 1668 | rBV6 | 5225 | 9359 | 0.31% | 0.062% |
| 61 | 12.712 | 1679 | 1681 | 1684 | rVB4 | 5675 | 5244 | 0.17% | 0.035% |
| 62 | 12.788 | 1690 | 1694 | 1697 | rBV4 | 5068 | 7726 | 0.25% | 0.051% |
| 63 | 12.870 | 1704 | 1708 | 1710 | rVB4 | 4964 | 7185 | 0.24% | 0.048% |
| 64 | 13.129 | 1750 | 1752 | 1756 | rBV4 | 5091 | 5134 | 0.17% | 0.034% |
| 65 | 13.205 | 1764 | 1765 | 1767 | rVB2 | 6789 | 4492 | 0.15% | 0.030% |
| 66 | 13.223 | 1767 | 1768 | 1770 | rBV | 5663 | 5116 | 0.17% | 0.034% |
| 67 | 13.505 | 1814 | 1816 | 1819 | rVB3 | 5664 | 4960 | 0.16% | 0.033% |
| 68 | 13.575 | 1826 | 1828 | 1832 | rVB4 | 6025 | 6407 | 0.21% | 0.042% |
| 69 | 13.658 | 1839 | 1842 | 1847 | rVB6 | 14470 | 19037 | 0.63% | 0.126% |
| 70 | 13.881 | 1877 | 1880 | 1883 | rBV5 | 6700 | 7720 | 0.25% | 0.051% |
| 71 | 13.987 | 1894 | 1898 | 1900 | rBV5 | 4802 | 5354 | 0.18% | 0.035% |

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Sample : H4360-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR001-SS003-0002-01

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-BG080416.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.180 | 1923 | 1931 | 1935 | rBV | 204373 | 304583 | 10.02% | 2.016% |
| 73 | 14.227 | 1935 | 1939 | 1946 | rVB | 156724 | 235808 | 7.76% | 1.561% |
| 74 | 14.410 | 1967 | 1970 | 1973 | rBV5 | 6296 | 7812 | 0.26% | 0.052% |
| 75 | 14.480 | 1977 | 1982 | 1988 | rBV | 210019 | 340541 | 11.21% | 2.254% |
| 76 | 14.650 | 2009 | 2011 | 2016 | rVB4 | 9928 | 11876 | 0.39% | 0.079% |
| 77 | 14.791 | 2028 | 2035 | 2042 | rBV2 | 1406476 | 2336946 | 76.90% | 15.468% |
| 78 | 15.038 | 2072 | 2077 | 2085 | rBV7 | 33401 | 90035 | 2.96% | 0.596% |
| 79 | 15.784 | 2198 | 2204 | 2210 | rBV | 311918 | 500451 | 16.47% | 3.312% |
| 80 | 17.552 | 2499 | 2505 | 2511 | rBV | 1967050 | 3039134 | 100.00% | 20.116% |
| 81 | 17.652 | 2517 | 2522 | 2530 | rVB2 | 349147 | 524738 | 17.27% | 3.473% |
| 82 | 18.428 | 2650 | 2654 | 2662 | rBV2 | 316577 | 653613 | 21.51% | 4.326% |
| 83 | 19.691 | 2866 | 2869 | 2882 | rBV2 | 485670 | 1123079 | 36.95% | 7.434% |
| 84 | 21.876 | 3237 | 3241 | 3247 | rVB | 1491838 | 2359674 | 77.64% | 15.618% |

Sum of corrected areas: 15108280

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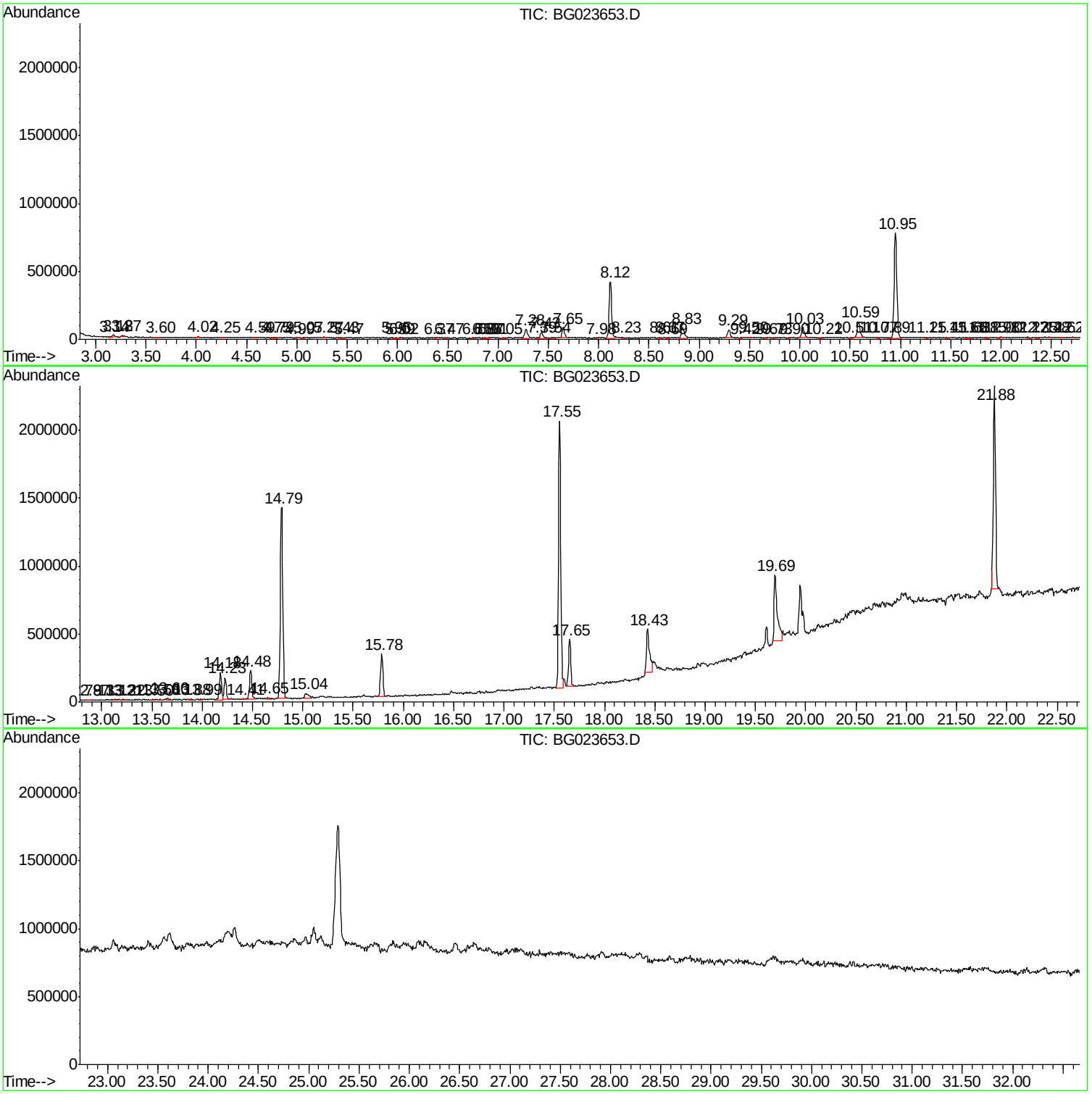
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PR001-SS003-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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Acq On : 12 Aug 2016 13:03
Operator : UM/SJ
Sample : H4360-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR001-SS003-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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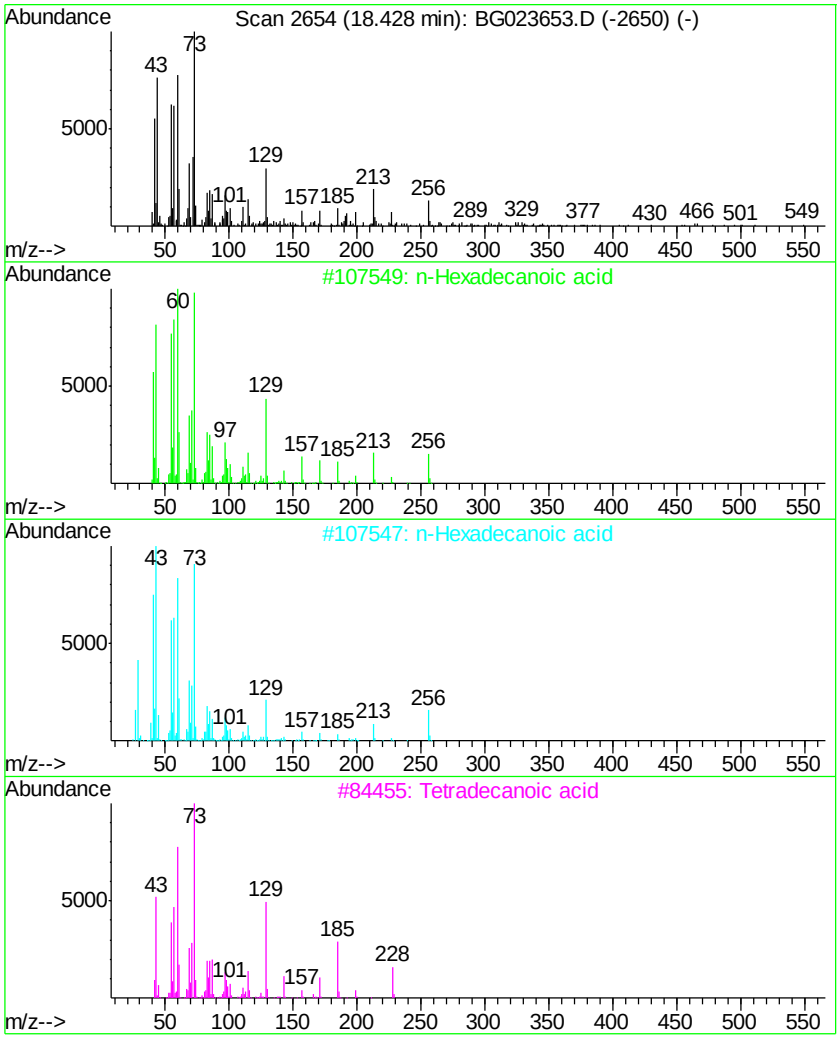
TIC Integration Parameters: LSCINT.P

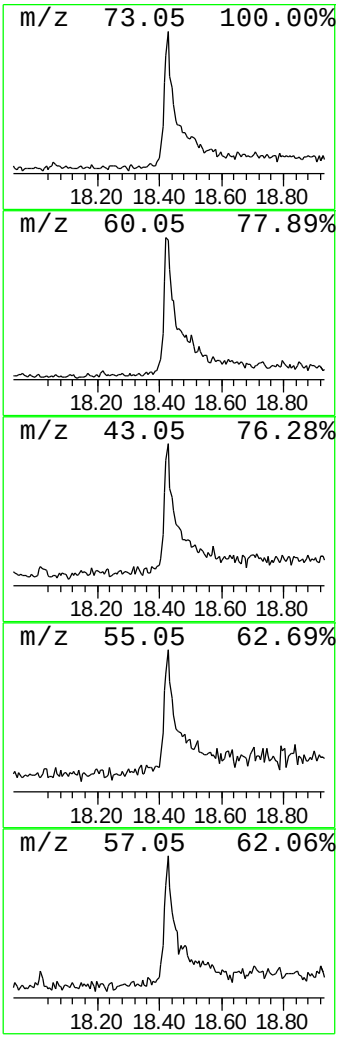
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 4.30 ng/ul | 653613 | Phenanthrene-d10 | 17.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |



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Sample : H4360-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR001-SS003-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

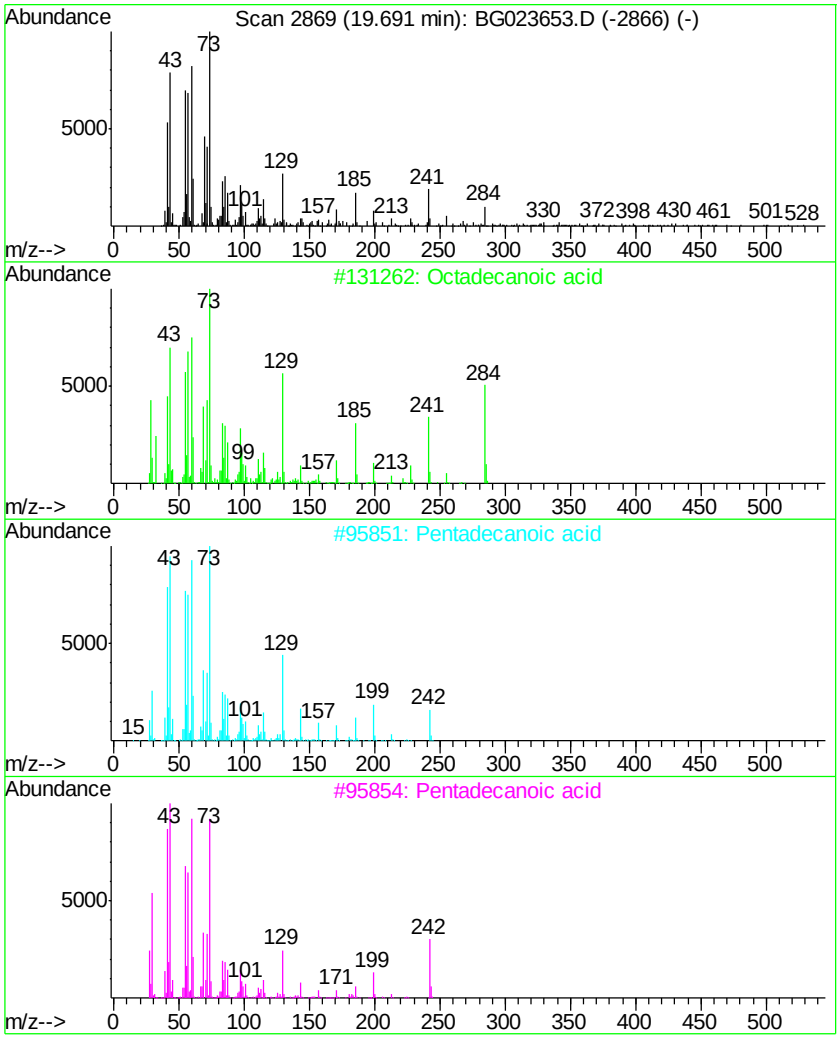
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

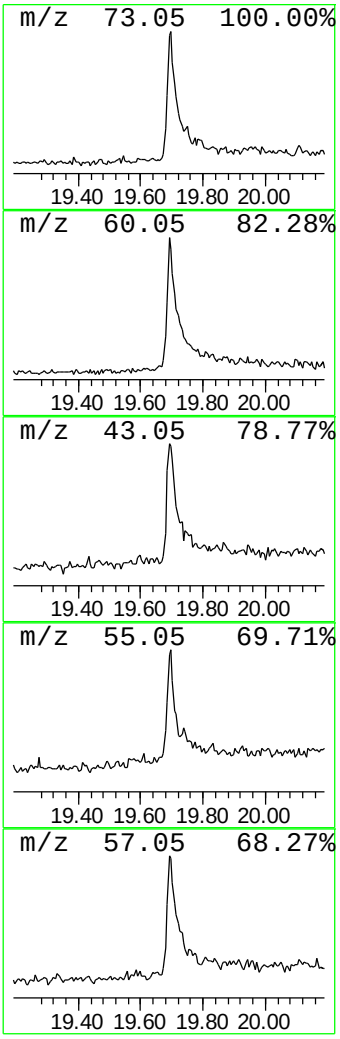
**********

Peak Number 2 Octadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.69 | 7.39 ng/ul | 1123080 | Phenanthrene-d10 | 17.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 92 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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Misc :
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**Instrument :** BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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 |
| n-Hexadecanoic acid | 18.43 | 4.3 | ng/ul | 653613 | 4 | 17.55 | 3039130 | 20.0 |
| Octadecanoic acid | 19.69 | 7.4 | ng/ul | 1123080 | 4 | 17.55 | 3039130 | 20.0 |