LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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 | 3.215 | 59 | 64 | 69 | rVB4 | 11560 | 18628 | 0.84% | 0.068% |
| 2 | 3.585 | 123 | 127 | 133 | rBV5 | 17148 | 25562 | 1.15% | 0.093% |
| 3 | 4.977 | 361 | 364 | 372 | rVB6 | 6318 | 17090 | 0.77% | 0.062% |
| 4 | 5.300 | 412 | 419 | 431 | rBV2 | 75839 | 151555 | 6.83% | 0.550% |
| 5 | 5.835 | 503 | 510 | 518 | rBV9 | 7340 | 21870 | 0.99% | 0.079% |
| 6 | 7.292 | 750 | 758 | 764 | rVB6 | 7368 | 17136 | 0.77% | 0.062% |
| 7 | 7.398 | 764 | 776 | 789 | rBV2 | 322851 | 711074 | 32.05% | 2.580% |
| 8 | 7.551 | 793 | 802 | 814 | rBV2 | 204999 | 398021 | 17.94% | 1.444% |
| 9 | 7.768 | 825 | 839 | 850 | rBV2 | 306140 | 589317 | 26.56% | 2.138% |
| 10 | 7.862 | 850 | 855 | 861 | rVB5 | 18780 | 28842 | 1.30% | 0.105% |
| 11 | 8.232 | 910 | 918 | 926 | rVV | 279065 | 495258 | 22.32% | 1.797% |
| 12 | 8.344 | 930 | 937 | 943 | rVB6 | 8817 | 18743 | 0.84% | 0.068% |
| 13 | 8.520 | 960 | 967 | 971 | rBV5 | 9612 | 19938 | 0.90% | 0.072% |
| 14 | 8.614 | 972 | 983 | 990 | rVB9 | 8522 | 28220 | 1.27% | 0.102% |
| 15 | 8.761 | 1001 | 1008 | 1019 | rBV8 | 7737 | 23509 | 1.06% | 0.085% |
| 16 | 8.867 | 1020 | 1026 | 1031 | rBV7 | 17161 | 33115 | 1.49% | 0.120% |
| 17 | 8.949 | 1033 | 1040 | 1050 | rBV | 385611 | 713088 | 32.14% | 2.588% |
| 18 | 9.025 | 1050 | 1053 | 1059 | rVB7 | 10157 | 16205 | 0.73% | 0.059% |
| 19 | 9.325 | 1100 | 1104 | 1112 | rVB5 | 11625 | 18915 | 0.85% | 0.069% |
| 20 | 9.419 | 1112 | 1120 | 1132 | rBV | 318480 | 594124 | 26.78% | 2.156% |
| 21 | 9.601 | 1144 | 1151 | 1154 | rVB5 | 8198 | 15288 | 0.69% | 0.055% |
| 22 | 9.719 | 1159 | 1171 | 1177 | rBV5 | 19956 | 54722 | 2.47% | 0.199% |
| 23 | 9.789 | 1177 | 1183 | 1192 | rVB3 | 37572 | 70325 | 3.17% | 0.255% |
| 24 | 10.142 | 1233 | 1243 | 1253 | rBV2 | 276430 | 565792 | 25.50% | 2.053% |
| 25 | 10.224 | 1253 | 1257 | 1263 | rVB8 | 8781 | 18306 | 0.83% | 0.066% |
| 26 | 10.453 | 1290 | 1296 | 1308 | rVB10 | 20234 | 72946 | 3.29% | 0.265% |
| 27 | 10.688 | 1327 | 1336 | 1350 | rVB | 392229 | 789369 | 35.58% | 2.864% |
| 28 | 10.976 | 1381 | 1385 | 1390 | rBV5 | 13144 | 20948 | 0.94% | 0.076% |
| 29 | 11.064 | 1390 | 1400 | 1406 | rBV2 | 366814 | 686175 | 30.93% | 2.490% |
| 30 | 11.211 | 1414 | 1425 | 1435 | rBV3 | 62381 | 168297 | 7.59% | 0.611% |
| 31 | 11.287 | 1435 | 1438 | 1453 | rVB8 | 32323 | 100842 | 4.55% | 0.366% |
| 32 | 11.417 | 1453 | 1460 | 1463 | rBV6 | 31395 | 52673 | 2.37% | 0.191% |
| 33 | 11.464 | 1463 | 1468 | 1474 | rVB3 | 60728 | 113649 | 5.12% | 0.412% |
| 34 | 11.534 | 1475 | 1480 | 1485 | rVB6 | 16315 | 30570 | 1.38% | 0.111% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.881 | 1534 | 1539 | 1542 | rBV7 | 8428 | 15454 | 0.70% | 0.056% |
| 36 | 12.004 | 1555 | 1560 | 1564 | rVB7 | 14024 | 25523 | 1.15% | 0.093% |
| 37 | 12.092 | 1566 | 1575 | 1578 | rBV8 | 14385 | 38411 | 1.73% | 0.139% |
| 38 | 12.133 | 1580 | 1582 | 1588 | rVB7 | 10192 | 16837 | 0.76% | 0.061% |
| 39 | 12.251 | 1600 | 1602 | 1610 | rVB4 | 15756 | 23905 | 1.08% | 0.087% |
| 40 | 12.357 | 1615 | 1620 | 1624 | rVB7 | 14413 | 24112 | 1.09% | 0.087% |
| 41 | 12.410 | 1625 | 1629 | 1641 | rVB10 | 20081 | 50584 | 2.28% | 0.184% |
| 42 | 12.551 | 1648 | 1653 | 1660 | rBV5 | 55298 | 109702 | 4.94% | 0.398% |
| 43 | 12.703 | 1673 | 1679 | 1683 | rBV2 | 65720 | 128015 | 5.77% | 0.465% |
| 44 | 12.821 | 1696 | 1699 | 1703 | rBV4 | 13468 | 25553 | 1.15% | 0.093% |
| 45 | 12.921 | 1711 | 1716 | 1725 | rVB2 | 45779 | 79365 | 3.58% | 0.288% |
| 46 | 13.009 | 1725 | 1731 | 1734 | rBV5 | 28389 | 48737 | 2.20% | 0.177% |
| 47 | 13.056 | 1735 | 1739 | 1742 | rVV5 | 12540 | 20250 | 0.91% | 0.073% |
| 48 | 13.203 | 1758 | 1764 | 1770 | rVB5 | 19563 | 39957 | 1.80% | 0.145% |
| 49 | 13.273 | 1770 | 1776 | 1780 | rBV9 | 27633 | 57290 | 2.58% | 0.208% |
| 50 | 13.344 | 1784 | 1788 | 1793 | rBV8 | 17897 | 25229 | 1.14% | 0.092% |
| 51 | 13.450 | 1803 | 1806 | 1812 | rVB7 | 12194 | 18298 | 0.82% | 0.066% |
| 52 | 13.544 | 1817 | 1822 | 1824 | rBV5 | 11528 | 18487 | 0.83% | 0.067% |
| 53 | 13.632 | 1832 | 1837 | 1843 | rBV6 | 33382 | 57834 | 2.61% | 0.210% |
| 54 | 13.737 | 1852 | 1855 | 1861 | rVB8 | 19700 | 28724 | 1.29% | 0.104% |
| 55 | 13.790 | 1861 | 1864 | 1866 | rBV4 | 14531 | 18152 | 0.82% | 0.066% |
| 56 | 13.896 | 1877 | 1882 | 1888 | rVB10 | 18205 | 42764 | 1.93% | 0.155% |
| 57 | 14.043 | 1896 | 1907 | 1911 | rBV10 | 44675 | 136701 | 6.16% | 0.496% |
| 58 | 14.119 | 1918 | 1920 | 1923 | rBV4 | 14081 | 18718 | 0.84% | 0.068% |
| 59 | 14.178 | 1924 | 1930 | 1933 | rVV3 | 35761 | 69741 | 3.14% | 0.253% |
| 60 | 14.249 | 1934 | 1942 | 1947 | rVV | 746530 | 1214549 | 54.74% | 4.407% |
| 61 | 14.296 | 1947 | 1950 | 1956 | rVB | 237083 | 322737 | 14.55% | 1.171% |
| 62 | 14.413 | 1967 | 1970 | 1973 | rBV3 | 16750 | 21152 | 0.95% | 0.077% |
| 63 | 14.560 | 1987 | 1995 | 2009 | rVB | 741638 | 1272650 | 57.36% | 4.618% |
| 64 | 14.695 | 2010 | 2018 | 2024 | rBV2 | 46011 | 85378 | 3.85% | 0.310% |
| 65 | 14.813 | 2035 | 2038 | 2040 | rBV4 | 19999 | 23851 | 1.08% | 0.087% |
| 66 | 14.860 | 2040 | 2046 | 2055 | rVB | 581890 | 941173 | 42.42% | 3.415% |
| 67 | 15.083 | 2078 | 2084 | 2092 | rBV2 | 356633 | 636405 | 28.69% | 2.309% |
| 68 | 15.247 | 2106 | 2112 | 2119 | rVB7 | 38410 | 86269 | 3.89% | 0.313% |
| 69 | 15.353 | 2128 | 2130 | 2134 | rVB5 | 17143 | 14820 | 0.67% | 0.054% |
| 70 | 15.459 | 2145 | 2148 | 2154 | rBV8 | 18056 | 38788 | 1.75% | 0.141% |
| 71 | 15.512 | 2154 | 2157 | 2161 | rVB5 | 24802 | 30415 | 1.37% | 0.110% |

LSC Area Percent Report

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Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.612 | 2167 | 2174 | 2176 | rBV4 | 57033 | 107284 | 4.84% | 0.389% |
| 73 | 15.641 | 2176 | 2179 | 2190 | rVB3 | 75742 | 143680 | 6.48% | 0.521% |
| 74 | 15.847 | 2201 | 2214 | 2227 | rBV | 1044716 | 1736925 | 78.29% | 6.303% |
| 75 | 15.982 | 2231 | 2237 | 2246 | rBV2 | 314134 | 567726 | 25.59% | 2.060% |
| 76 | 16.452 | 2310 | 2317 | 2320 | rBV9 | 34459 | 52499 | 2.37% | 0.190% |
| 77 | 16.499 | 2321 | 2325 | 2331 | rBV5 | 78747 | 138745 | 6.25% | 0.503% |
| 78 | 16.616 | 2341 | 2345 | 2348 | rBV6 | 20811 | 26578 | 1.20% | 0.096% |
| 79 | 16.722 | 2356 | 2363 | 2367 | rVB8 | 57922 | 93810 | 4.23% | 0.340% |
| 80 | 16.898 | 2386 | 2393 | 2398 | rBV8 | 37448 | 79588 | 3.59% | 0.289% |
| 81 | 16.951 | 2398 | 2402 | 2407 | rVV9 | 38895 | 59812 | 2.70% | 0.217% |
| 82 | 17.292 | 2456 | 2460 | 2463 | rBV2 | 69091 | 78586 | 3.54% | 0.285% |
| 83 | 17.433 | 2481 | 2484 | 2491 | rVB8 | 31306 | 58149 | 2.62% | 0.211% |
| 84 | 17.604 | 2507 | 2513 | 2519 | rBV2 | 733881 | 1159528 | 52.26% | 4.207% |
| 85 | 17.703 | 2524 | 2530 | 2538 | rVB | 1106750 | 1730146 | 77.98% | 6.278% |
| 86 | 17.991 | 2575 | 2579 | 2580 | rBV4 | 19967 | 27613 | 1.24% | 0.100% |
| 87 | 18.027 | 2582 | 2585 | 2598 | rVB3 | 76039 | 144199 | 6.50% | 0.523% |
| 88 | 18.438 | 2650 | 2655 | 2666 | rBV4 | 136606 | 263098 | 11.86% | 0.955% |
| 89 | 18.714 | 2699 | 2702 | 2706 | rVB5 | 61713 | 72005 | 3.25% | 0.261% |
| 90 | 19.307 | 2800 | 2803 | 2805 | rBV3 | 31315 | 38019 | 1.71% | 0.138% |
| 91 | 19.337 | 2805 | 2808 | 2819 | rVB2 | 79104 | 109425 | 4.93% | 0.397% |
| 92 | 19.695 | 2865 | 2869 | 2874 | rBV8 | 58072 | 86013 | 3.88% | 0.312% |
| 93 | 19.907 | 2903 | 2905 | 2911 | rVB3 | 95986 | 112449 | 5.07% | 0.408% |
| 94 | 19.977 | 2911 | 2917 | 2928 | rVB | 1483796 | 2218563 | 100.00% | 8.050% |
| 95 | 20.911 | 3073 | 3076 | 3089 | rVB8 | 97258 | 264904 | 11.94% | 0.961% |
| 96 | 21.464 | 3166 | 3170 | 3182 | rVB6 | 123580 | 258630 | 11.66% | 0.938% |
| 97 | 21.899 | 3237 | 3244 | 3251 | rBV | 880517 | 1520771 | 68.55% | 5.518% |
| 98 | 22.868 | 3405 | 3409 | 3415 | rVB6 | 76632 | 146165 | 6.59% | 0.530% |
| 99 | 25.089 | 3777 | 3787 | 3800 | rVB2 | 748557 | 2204298 | 99.36% | 7.999% |
| 100 | 25.324 | 3818 | 3827 | 3842 | rVB2 | 511520 | 1532995 | 69.10% | 5.563% |

Sum of corrected areas: 27558845

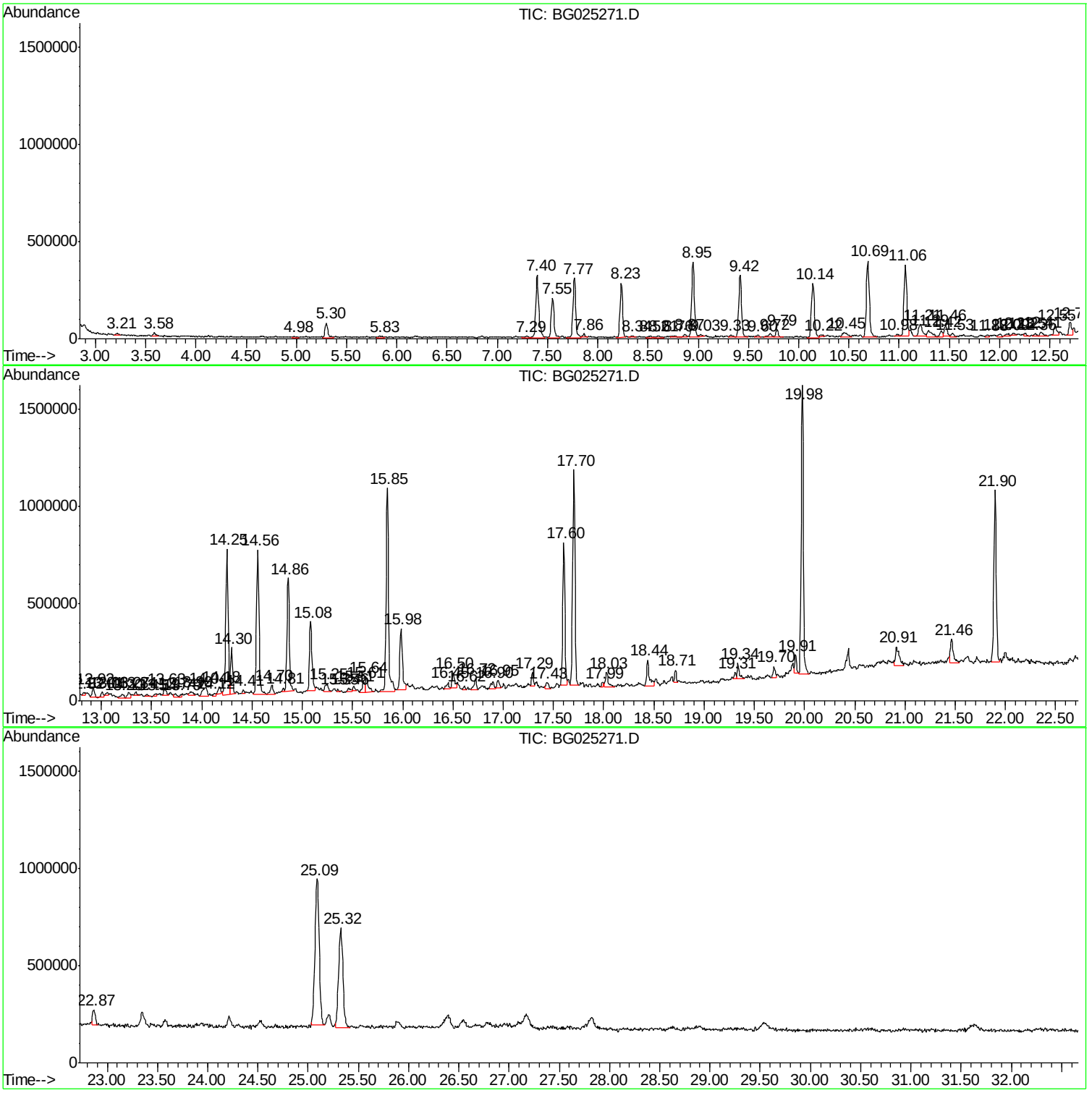
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

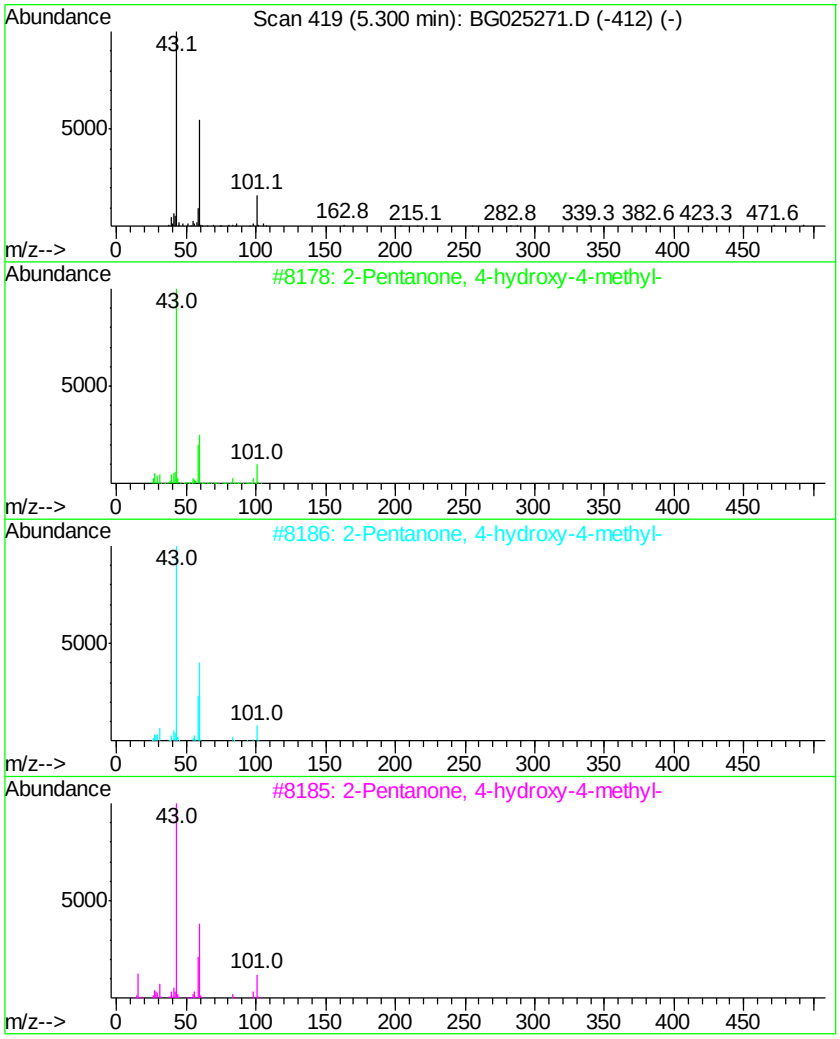
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

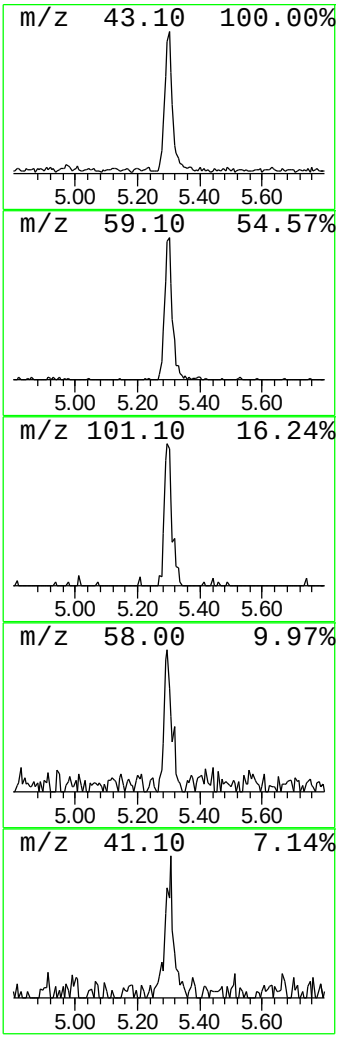
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.30 | 6.12 ng/ul | 151555 | 1,4-Dichlorobenzene-d4 | 8.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 5 | Butane | 58 | C4H10 | 000106-97-8 | 9 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

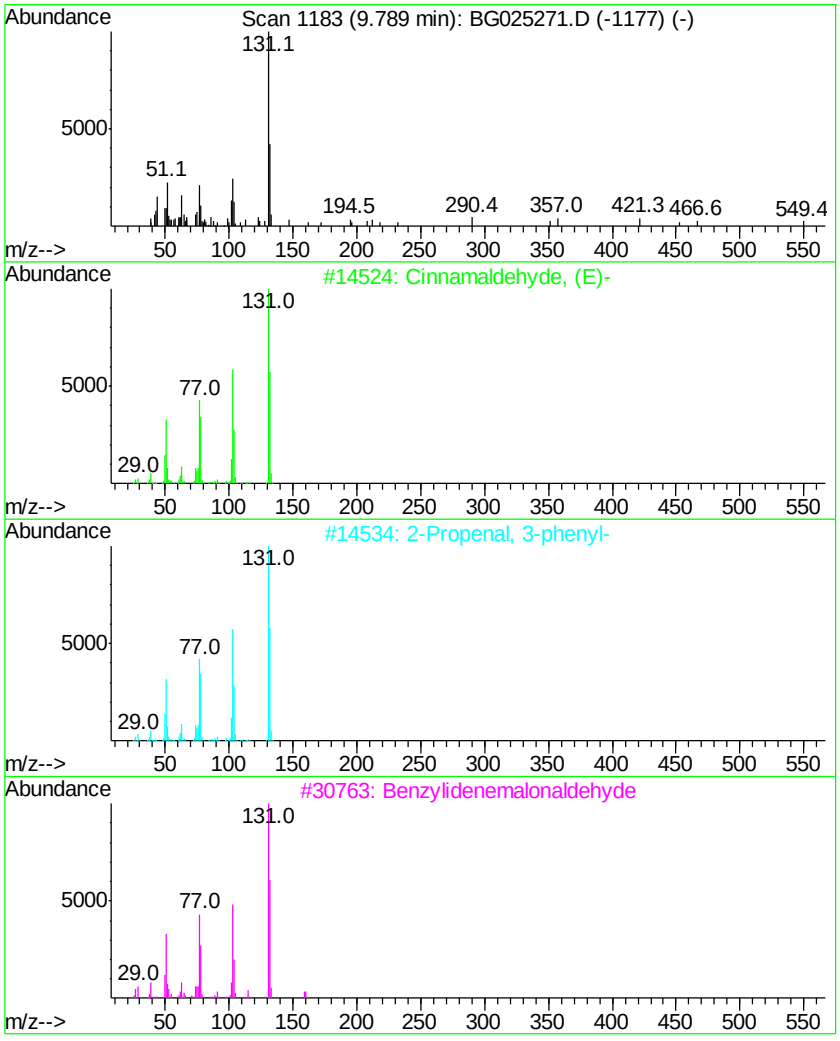
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

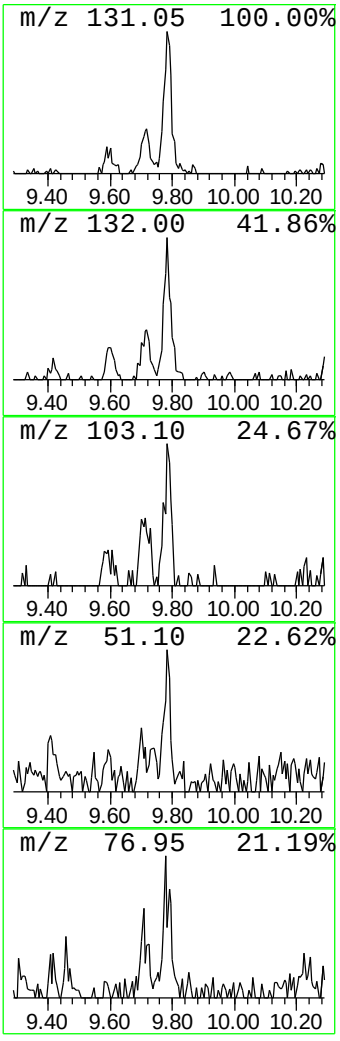
**********

Peak Number 2 Cinnamaldehyde, (E)- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.79 | 2.05 ng/ul | 70325 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 74 |
| 2 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 74 |
| 3 | Benzylidenemalonaldehyde | 160 | C10H8O2 | 082700-43-4 | 64 |
| 4 | 1H-Pyrrolo[2,3-b]pyridine, 1-met... | 132 | C8H8N2 | 027257-15-4 | 58 |
| 5 | 1H-Pyrrolo[2,3-b]pyridine, 2-met... | 132 | C8H8N2 | 023612-48-8 | 53 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

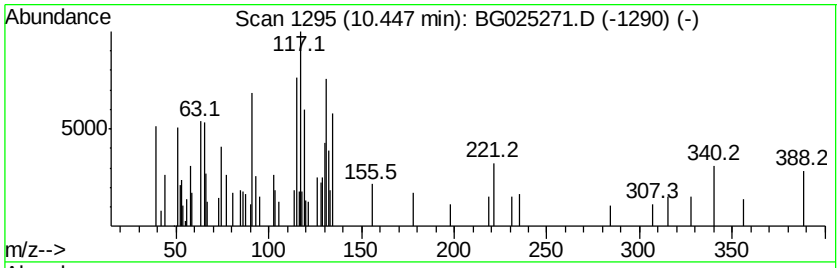
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

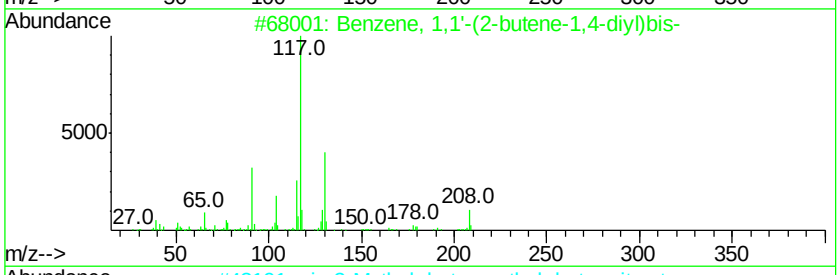
**********

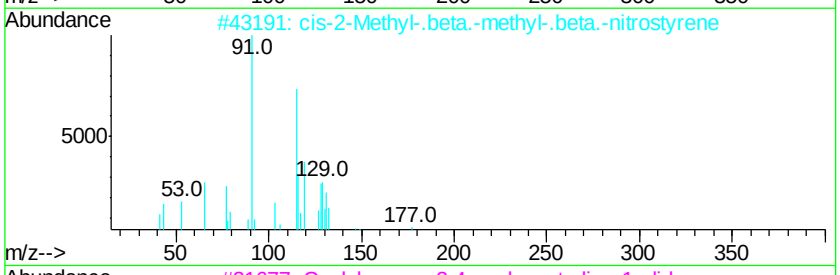
Peak Number 3 unknown-01 Concentration Rank 14

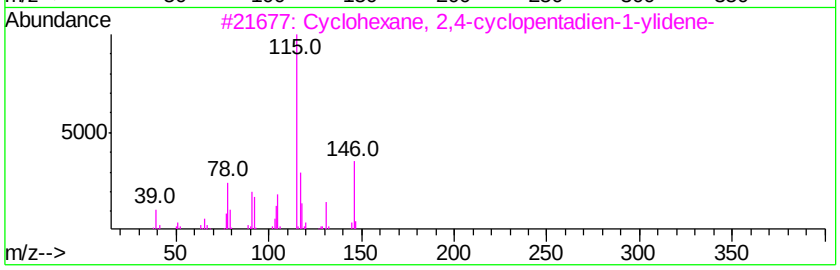
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.45 | 2.13 ng/ul | 72946 | Naphthalene-d8 | 11.06 |

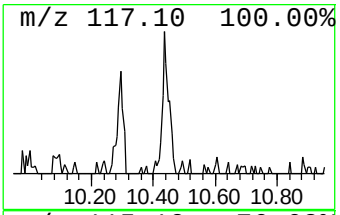
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,1'-(2-butene-1,4-divl... | 208 | C16H16 | 013657-49-3 | 12 |
| 2 | cis-2-Methyl-.beta.-methyl-.beta... | 177 | C10H11NO2 | 1000122-79-5 | 12 |
| 3 | Cyclohexane, 2,4-cyclopentadien-... | 146 | C11H14 | 003141-04-6 | 12 |
| 4 | 4-Phenyl-2-butanol | 150 | C10H14O | 002344-70-9 | 10 |
| 5 | Benzene, 1,4,9-decatrienyl- | 212 | C16H20 | 013393-63-0 | 10 |

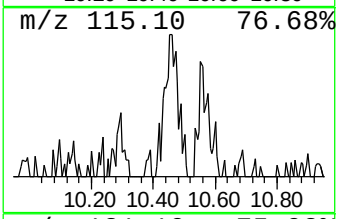


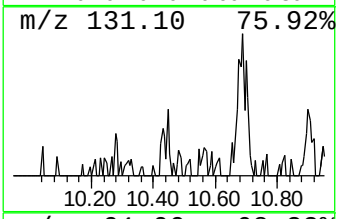



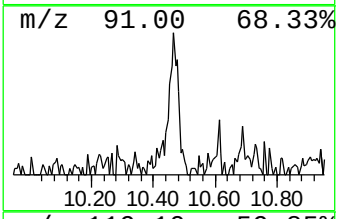



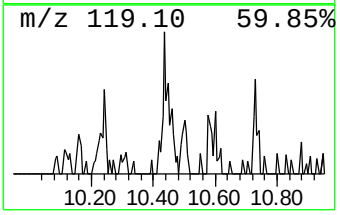



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Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

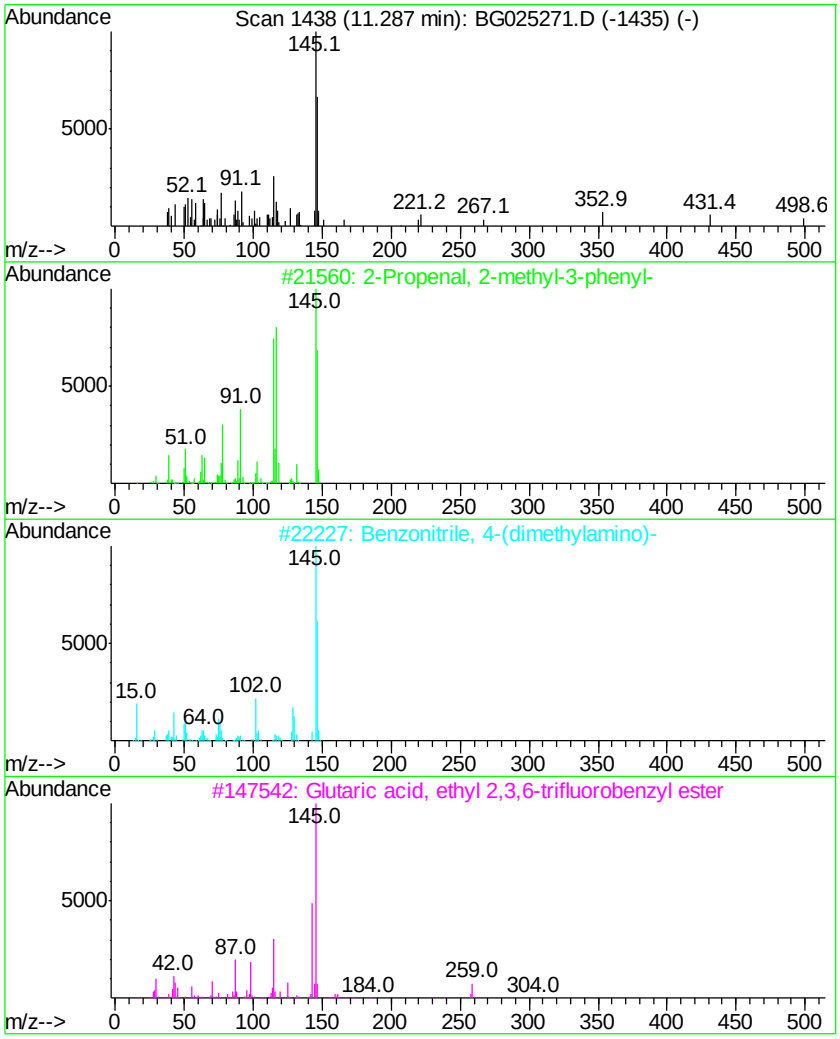
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

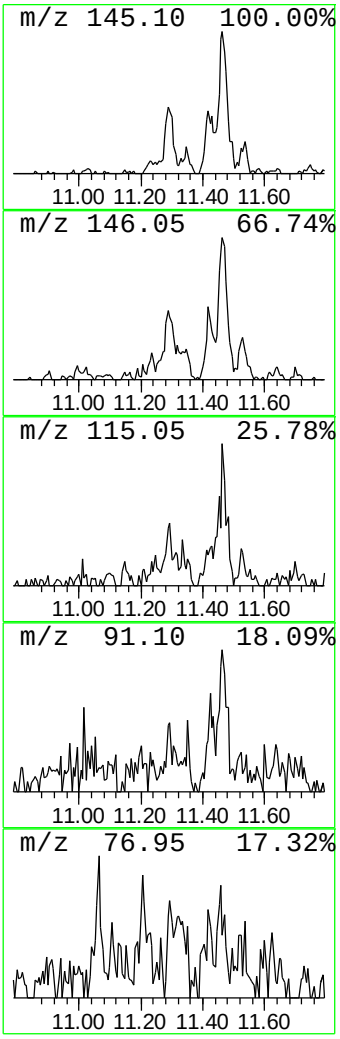
**********

Peak Number 4 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.29 | 2.94 ng/ul | 100842 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 53 |
| 2 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 49 |
| 3 | Glutaric acid, ethyl 2,3,6-trifl... | 304 | C14H15F3O4 | 1000376-89-3 | 43 |
| 4 | 3-Phenyl-1H-1,2,4-triazole | 145 | C8H7N3 | 003357-42-4 | 41 |
| 5 | 8-Hydroxyquinoline | 145 | C9H7NO | 000148-24-3 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

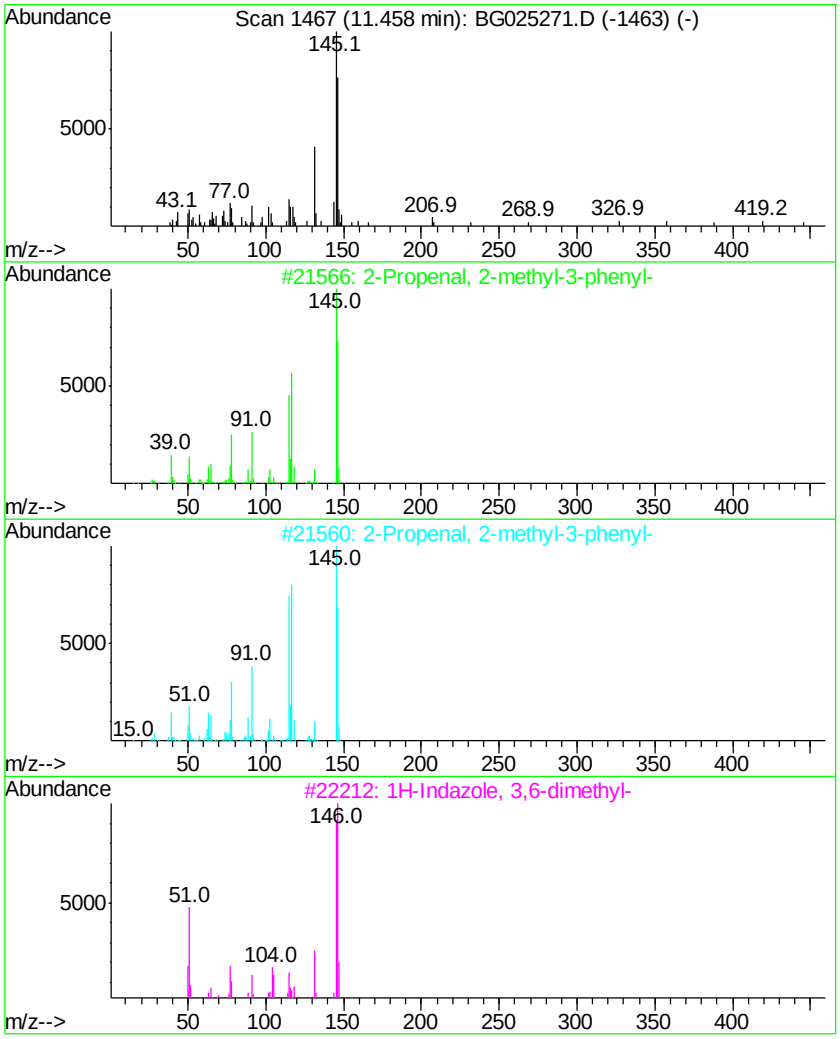
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

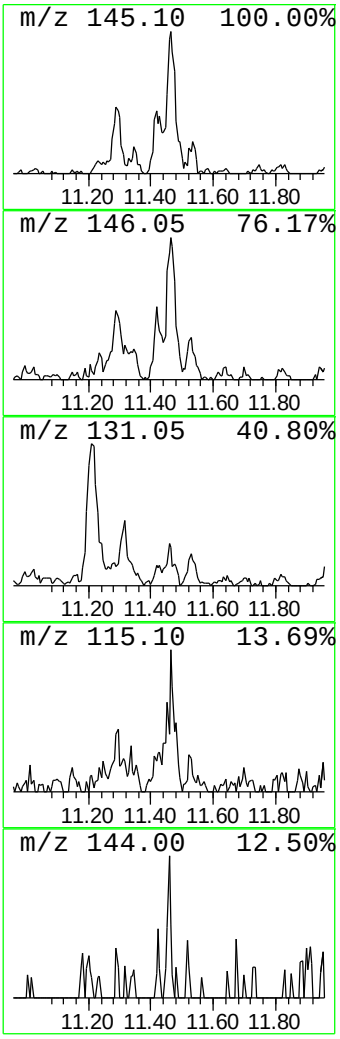
**********

Peak Number 5 1H-Indazole, 3,6-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.46 | 3.31 ng/ul | 113649 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 80 |
| 2 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 80 |
| 3 | 1H-Indazole, 3,6-dimethyl- | 146 | C9H10N2 | 007746-28-3 | 64 |
| 4 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 59 |
| 5 | Cinnamaldehyde, .beta.-methyl- | 146 | C10H10O | 001196-67-4 | 50 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

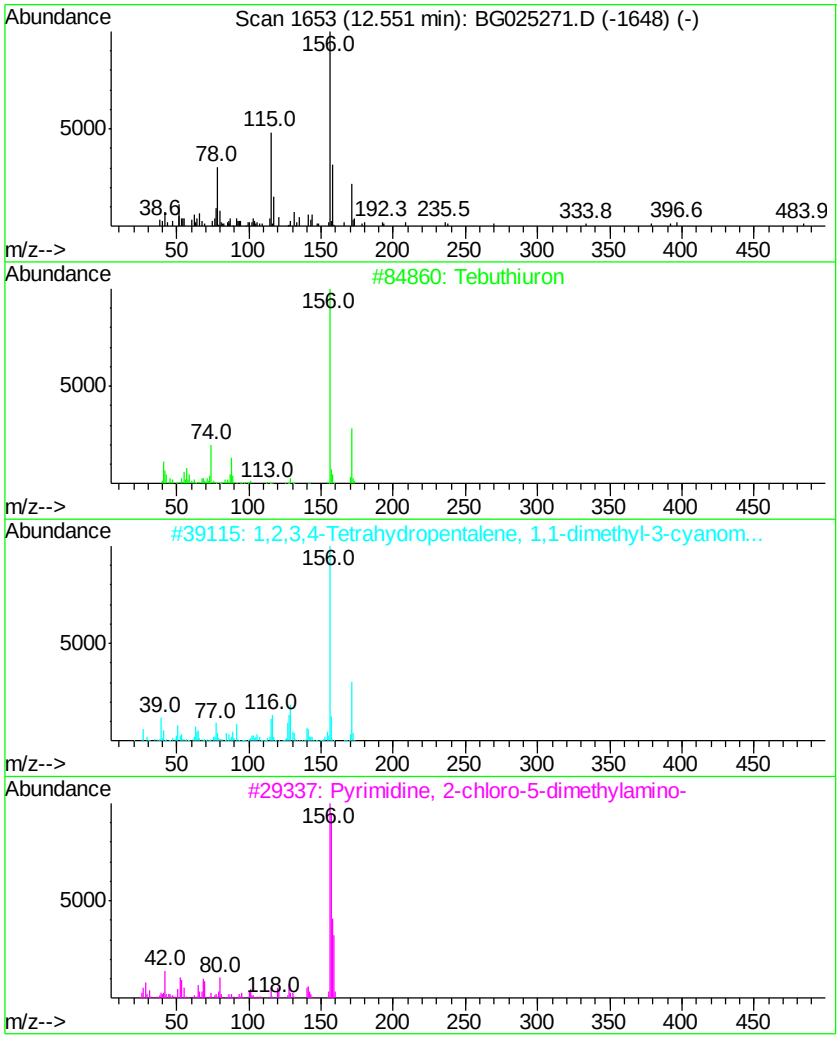
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

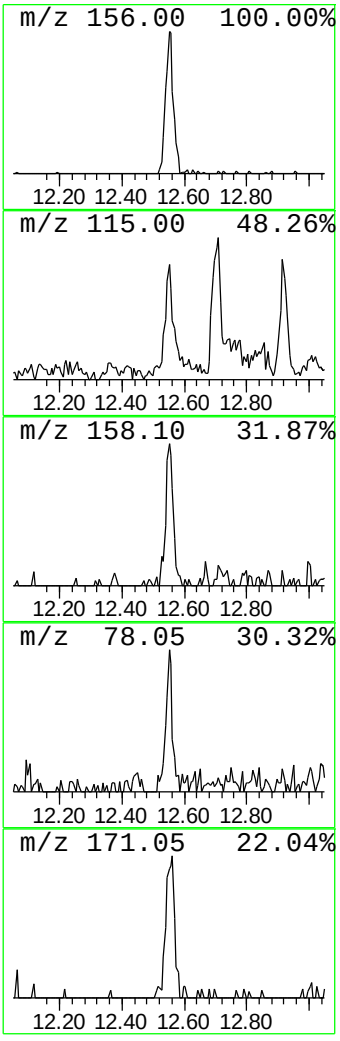
**********

Peak Number 6 unknown-02 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.55 | 3.20 ng/ul | 109702 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tebuthiuron | 228 | C9H16N4OS | 034014-18-1 | 32 |
| 2 | 1,2,3,4-Tetrahydropentalene, 1,1... | 171 | C12H13N | 1000217-18-6 | 32 |
| 3 | Pyrimidine, 2-chloro-5-dimethyla... | 157 | C6H8ClN3 | 062802-43-1 | 32 |
| 4 | 1-Naphthalenemethanamine, .alpha... | 171 | C12H13N | 003886-70-2 | 25 |
| 5 | 6-Isopropylquinoline | 171 | C12H13N | 000135-79-5 | 23 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

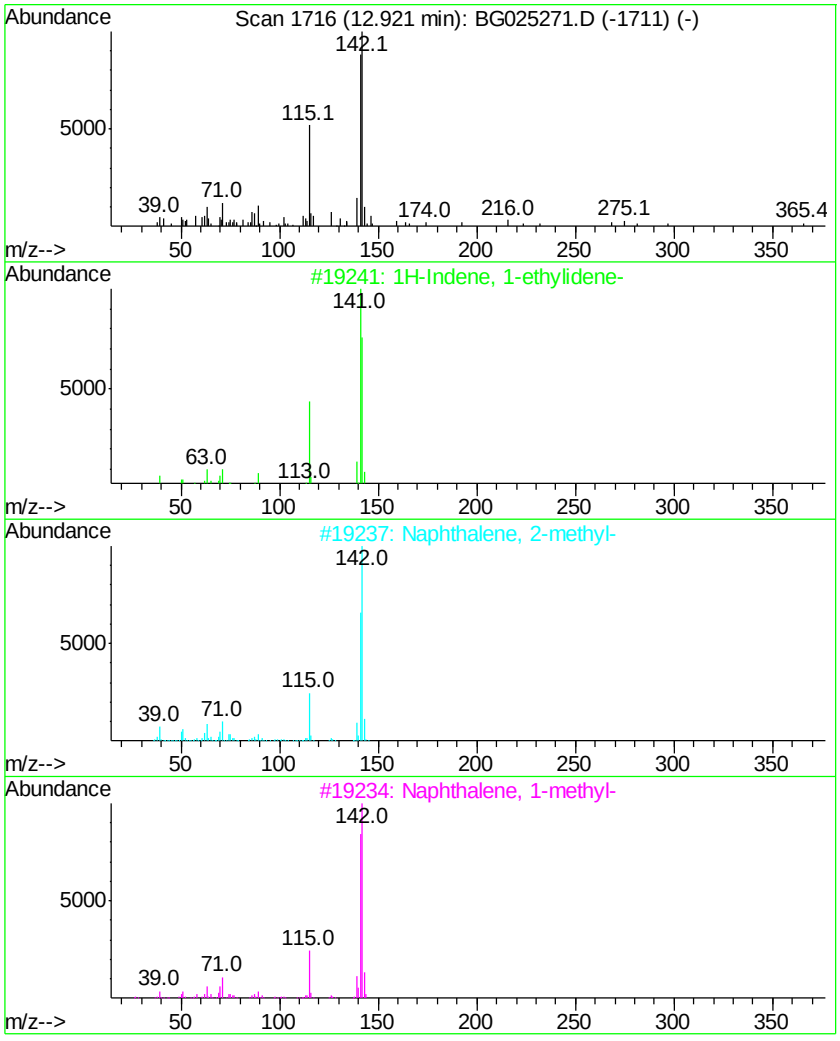
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

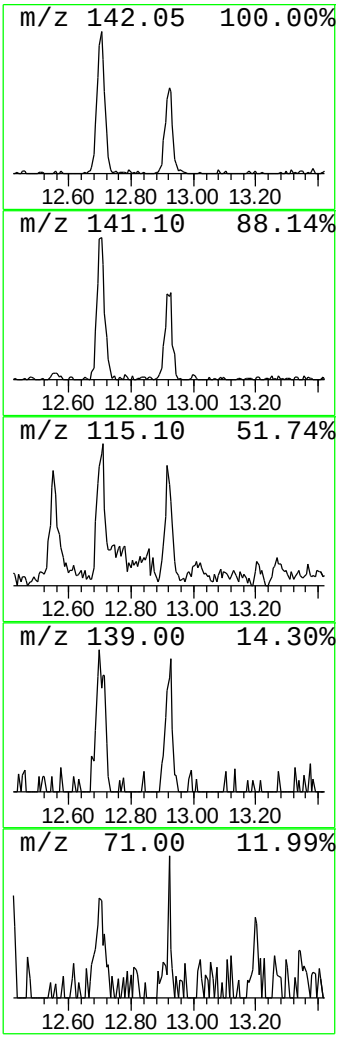
**********

Peak Number 7 1H-Indene, 1-ethylidene- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.92 | 2.31 ng/ul | 79365 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 94 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 91 |
| 5 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 91 |



# Library Search Compound Report

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Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

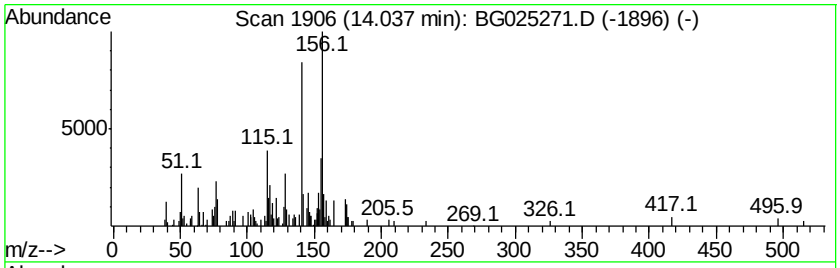
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

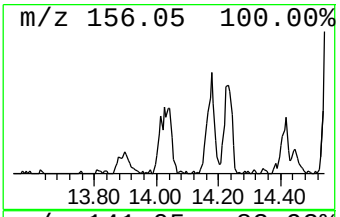
**********

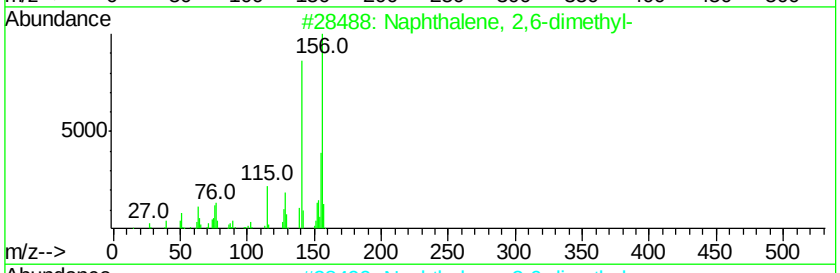
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 9

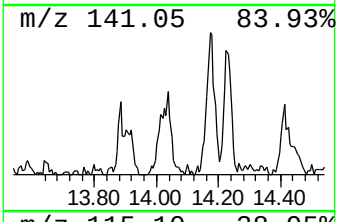
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.04 | 2.90 ng/ul | 136701 | Acenaphthene-d10 | 14.86 |

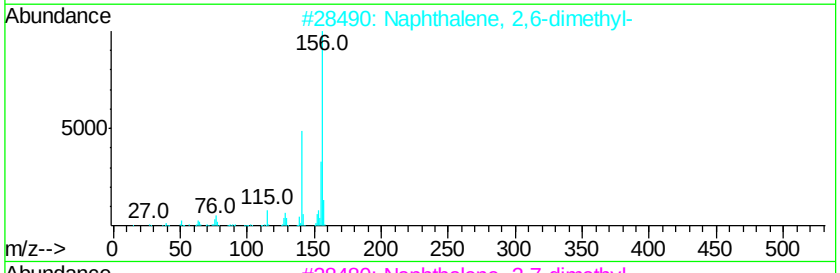
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 70 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 70 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 64 |
| 4 | Benzene, 2,5-cyclohexadien-1-yl- | 156 | C12H12 | 004794-05-2 | 64 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 64 |

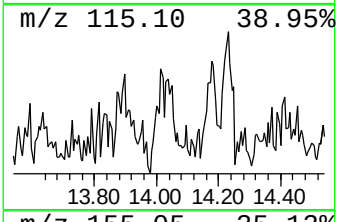


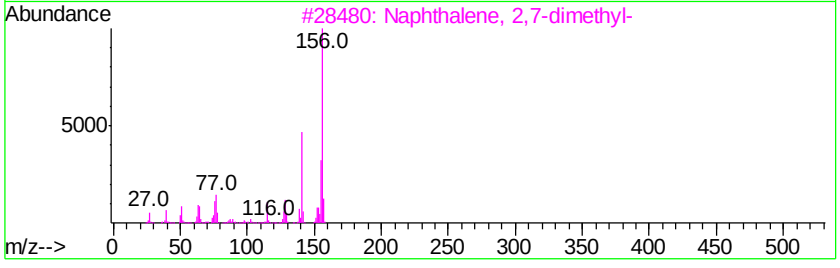



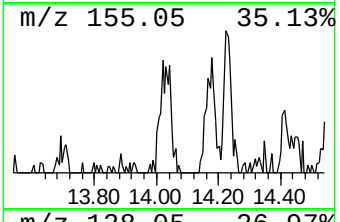



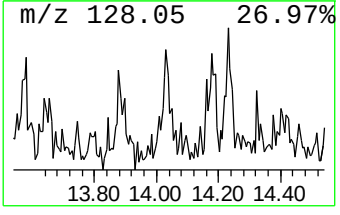



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

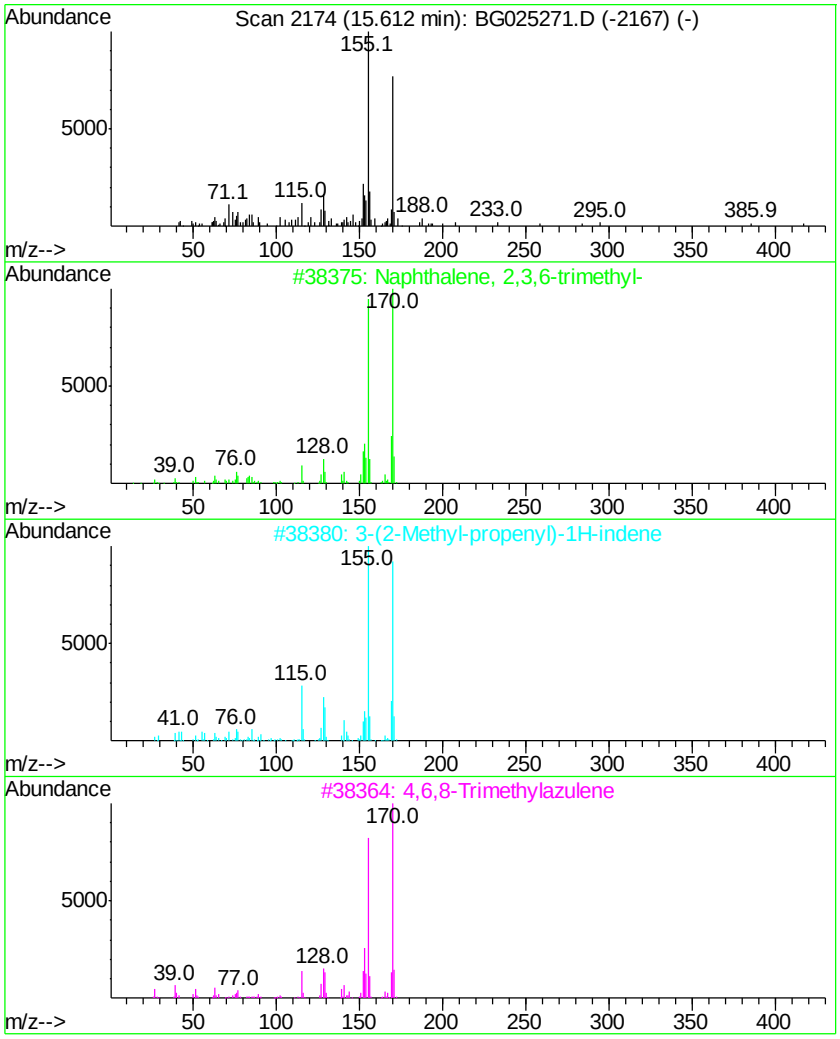
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

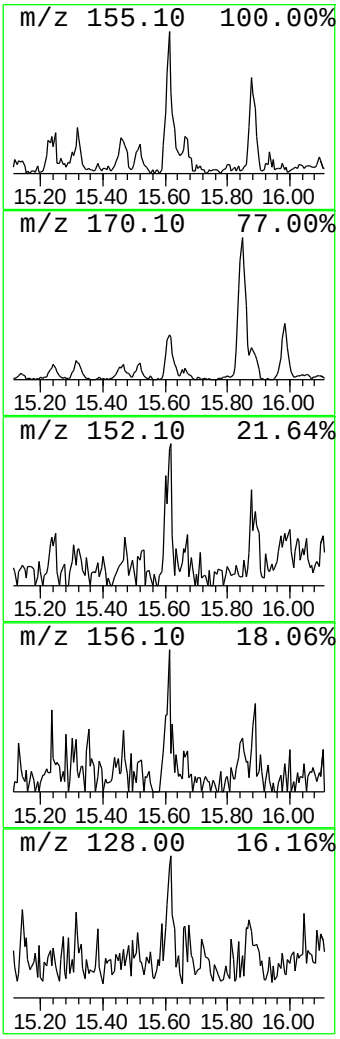
**********

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.61 | 2.28 ng/ul | 107284 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 87 |
| 2 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 86 |
| 3 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 86 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 86 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

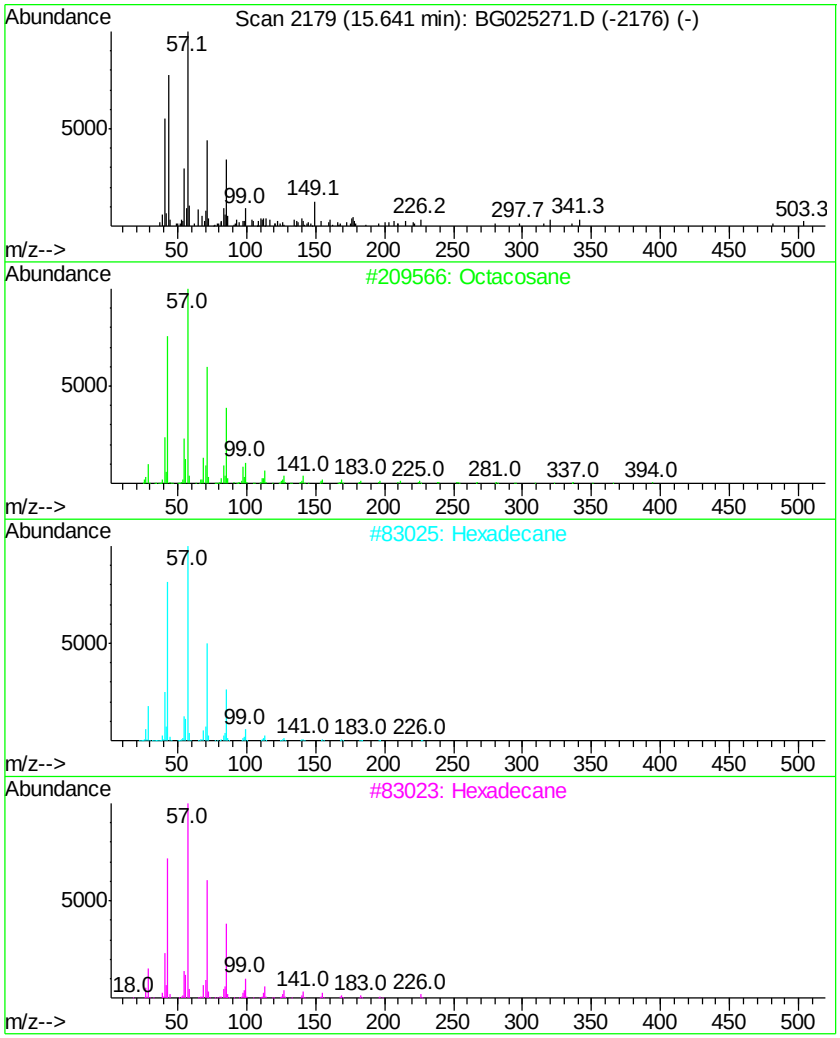
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

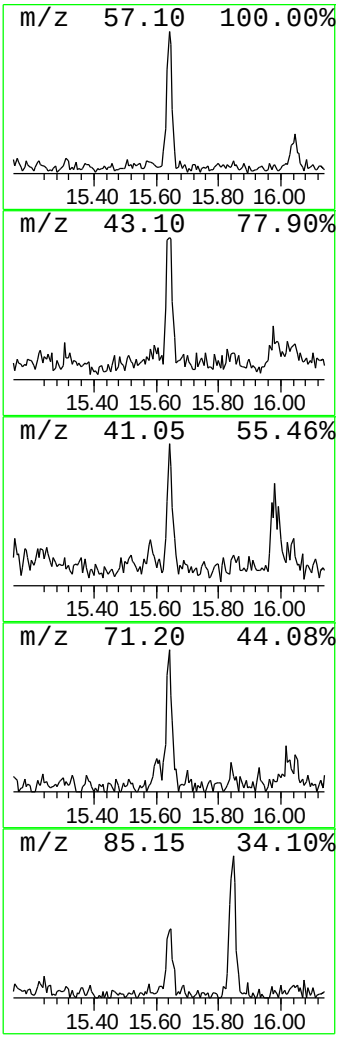
**********

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.64 | 3.05 ng/ul | 143680 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 64 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 59 |
| 5 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 59 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

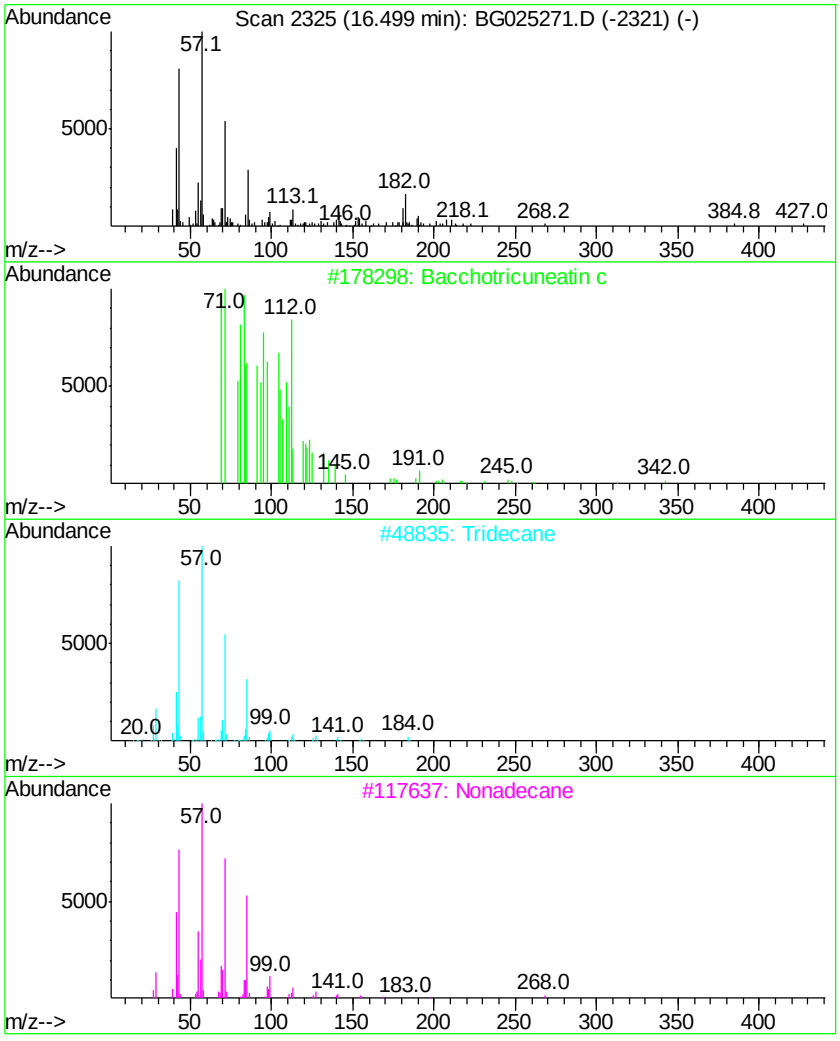
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

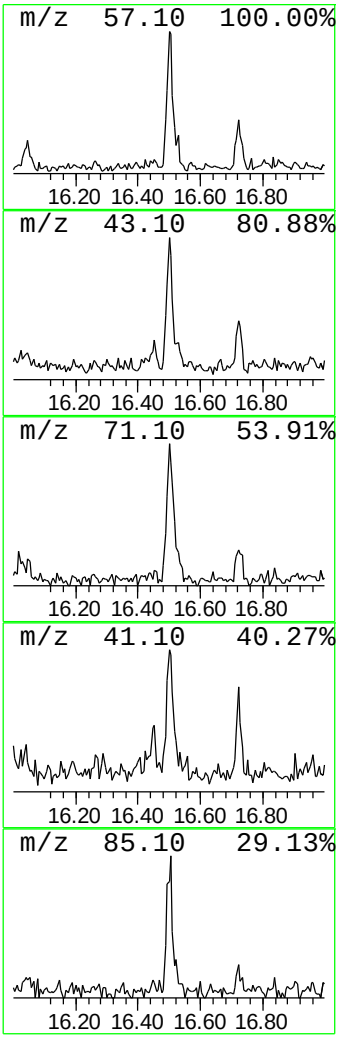
**********

Peak Number 11 Bacchotricuneatin c Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 2.39 ng/ul | 138745 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 98 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 92 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 78 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 70 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 70 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

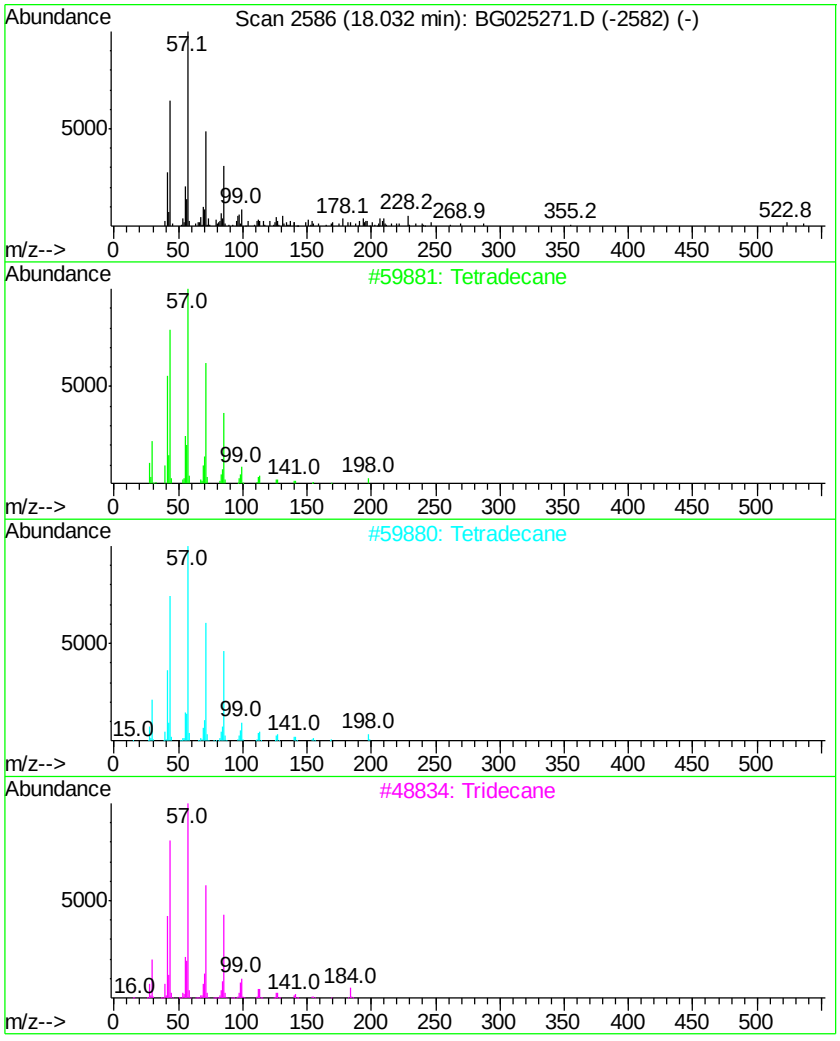
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

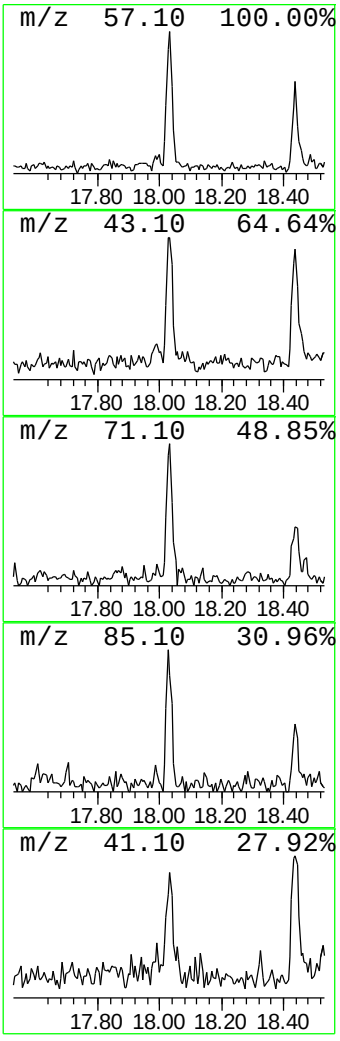
**********

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 2.49 ng/ul | 144199 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 89 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 81 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 72 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

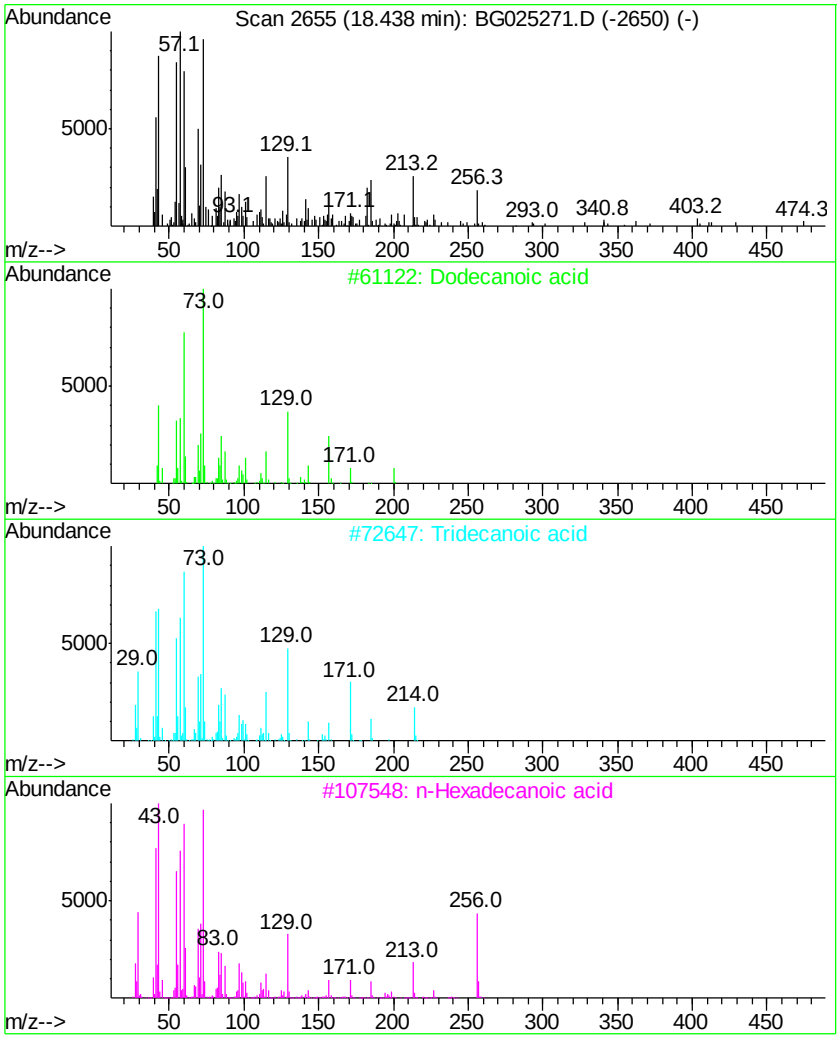
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

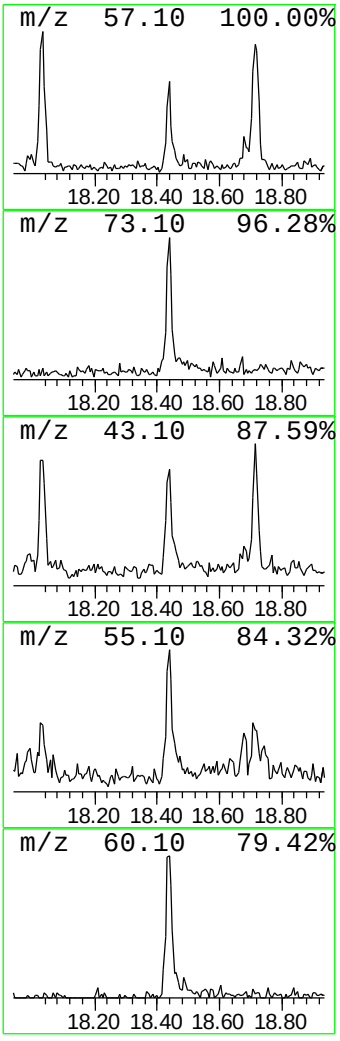
**********

Peak Number 13 Dodecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.44 | 4.54 ng/ul | 263098 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 83 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 83 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 83 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

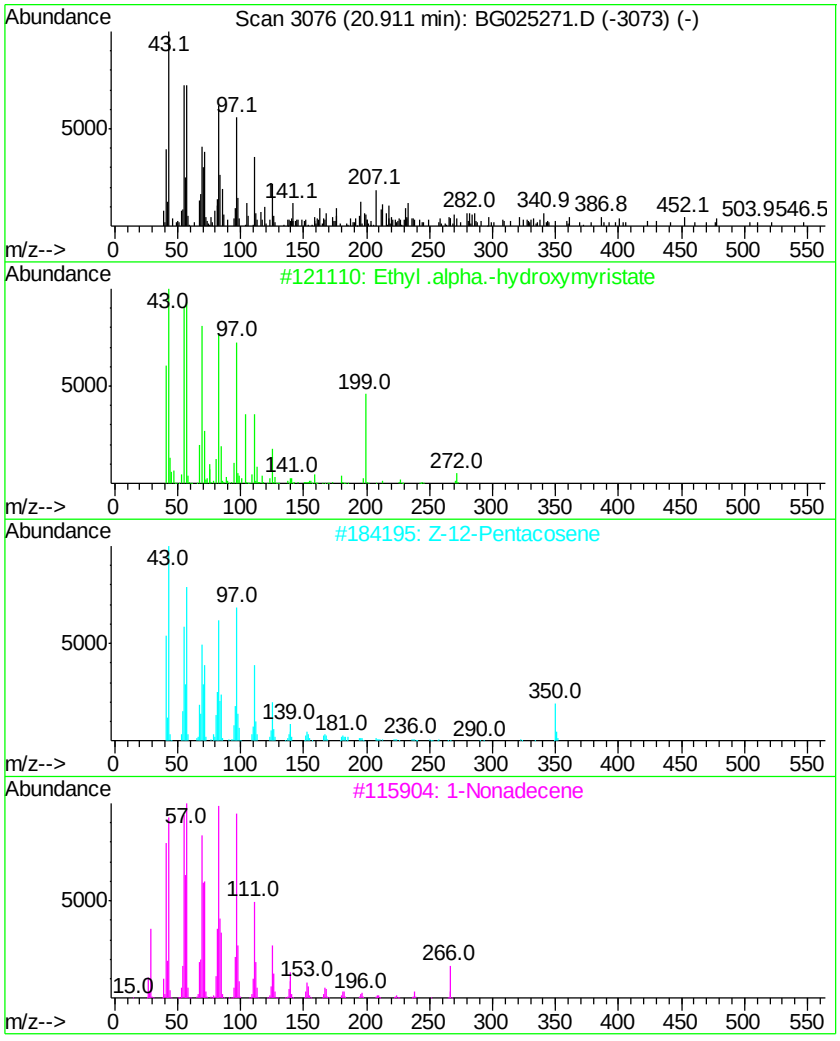
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

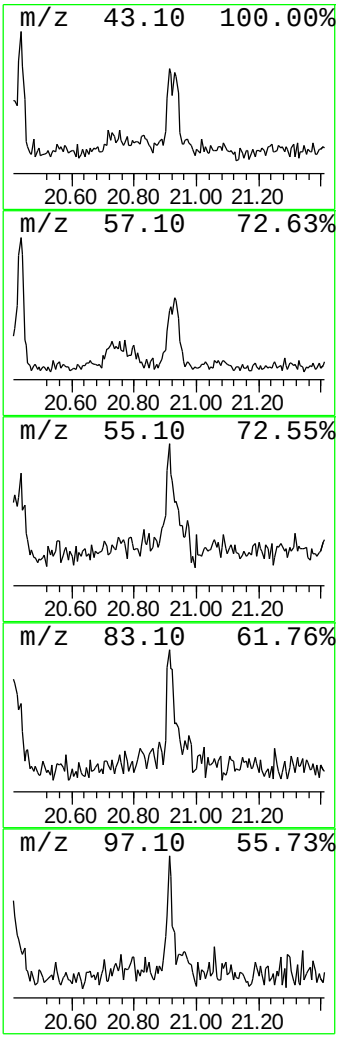
**********

Peak Number 14 Ethyl .alpha.-hydroxymyristate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.91 | 3.48 ng/ul | 264904 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl .alpha.-hydroxymyristate | 272 | C16H32O3 | 129086-73-3 | 64 |
| 2 | Z-12-Pentacosene | 350 | C25H50 | 1000131-09-4 | 64 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 53 |
| 4 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 53 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

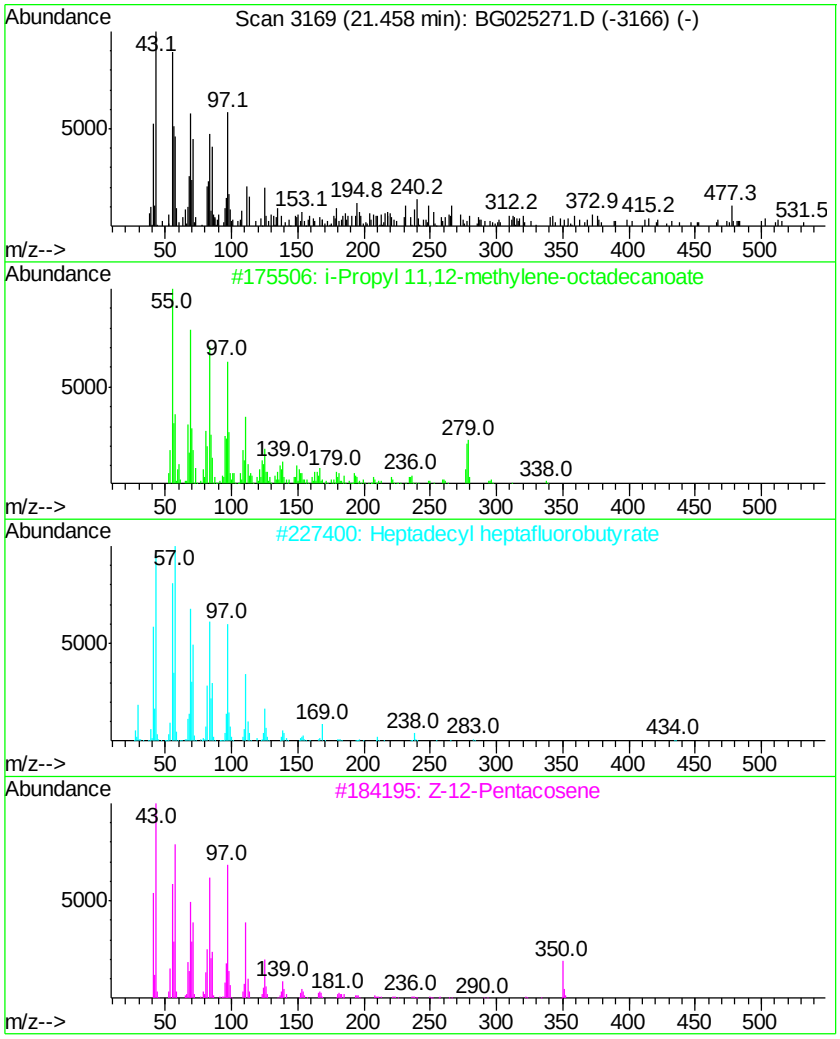
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

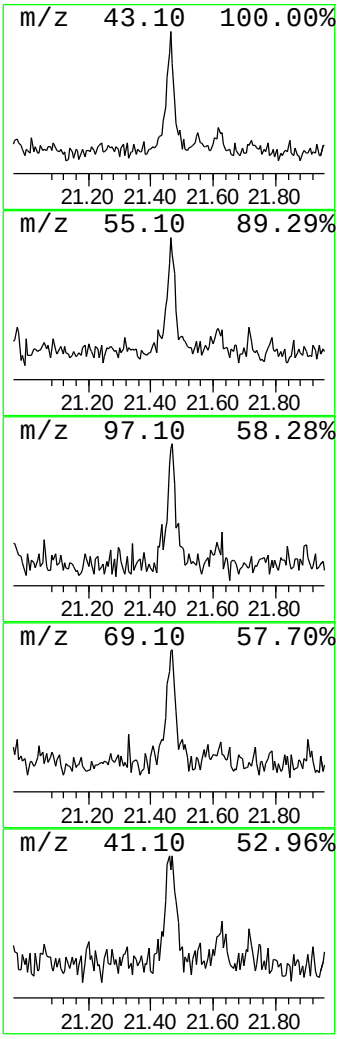
**********

Peak Number 15 i-Propyl 11,12-methylene-oc... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.46 | 3.40 ng/ul | 258630 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | i-Propyl 11,12-methylene-octadec... | 338 | C22H42O2 | 1000336-77-0 | 68 |
| 2 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 68 |
| 3 | Z-12-Pentacosene | 350 | C25H50 | 1000131-09-4 | 64 |
| 4 | Cyclotriacontane | 420 | C30H60 | 000297-35-8 | 58 |
| 5 | Heptacosyl pentafluoropropionate | 542 | C30H55F5O2 | 1000351-81-6 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121716\
Data File : BG025271.D
Acq On : 17 Dec 2016 12:55
Operator : UM/SJ
Sample : H6040-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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 |
| 2-Pentanone, 4-hy... | 5.30 | 6.1 | ng/ul | 151555 | 1 | 8.24 | 495258 | 20.0 |
| Cinnamaldehyde, (E)- | 9.79 | 2.0 | ng/ul | 70325 | 2 | 11.06 | 686175 | 20.0 |
| unknown-01 | 10.45 | 2.1 | ng/ul | 72946 | 2 | 11.06 | 686175 | 20.0 |
| 2-Propenal, 2-met... | 11.29 | 2.9 | ng/ul | 100842 | 2 | 11.06 | 686175 | 20.0 |
| 1H-Indazole, 3,6-... | 11.46 | 3.3 | ng/ul | 113649 | 2 | 11.06 | 686175 | 20.0 |
| unknown-02 | 12.55 | 3.2 | ng/ul | 109702 | 2 | 11.06 | 686175 | 20.0 |
| 1H-Indene, 1-ethy... | 12.92 | 2.3 | ng/ul | 79365 | 2 | 11.06 | 686175 | 20.0 |
| Naphthalene, 2,6-... | 14.04 | 2.9 | ng/ul | 136701 | 3 | 14.86 | 941173 | 20.0 |
| Naphthalene, 2,3,... | 15.61 | 2.3 | ng/ul | 107284 | 3 | 14.86 | 941173 | 20.0 |
| (DEL) Alkane: Str... | 15.64 | 3.0 | ng/ul | 143680 | 3 | 14.86 | 941173 | 20.0 |
| Bacchotricuneatin c | 16.50 | 2.4 | ng/ul | 138745 | 4 | 17.60 | 1159530 | 20.0 |
| (DEL) Alkane: Str... | 18.03 | 2.5 | ng/ul | 144199 | 4 | 17.60 | 1159530 | 20.0 |
| Dodecanoic acid | 18.44 | 4.5 | ng/ul | 263098 | 4 | 17.60 | 1159530 | 20.0 |
| Ethyl .alpha.-hyd... | 20.91 | 3.5 | ng/ul | 264904 | 5 | 21.90 | 1520770 | 20.0 |
| i-Propyl 11,12-me... | 21.46 | 3.4 | ng/ul | 258630 | 5 | 21.90 | 1520770 | 20.0 |