LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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 | 7.421 | 772 | 780 | 788 | rVB6 | 33710 | 106241 | 6.56% | 0.301% |
| 2 | 7.861 | 849 | 855 | 866 | rVB | 75640 | 135858 | 8.39% | 0.385% |
| 3 | 8.232 | 909 | 918 | 928 | rBV | 271934 | 497638 | 30.74% | 1.410% |
| 4 | 8.337 | 928 | 936 | 944 | rBV6 | 44958 | 85115 | 5.26% | 0.241% |
| 5 | 8.684 | 989 | 995 | 1004 | rVV3 | 63908 | 133922 | 8.27% | 0.379% |
| 6 | 8.860 | 1016 | 1025 | 1035 | rVV7 | 52947 | 137426 | 8.49% | 0.389% |
| 7 | 9.019 | 1045 | 1052 | 1068 | rVB2 | 144680 | 324384 | 20.04% | 0.919% |
| 8 | 9.330 | 1093 | 1105 | 1114 | rVB7 | 40037 | 117349 | 7.25% | 0.332% |
| 9 | 9.418 | 1114 | 1120 | 1129 | rVB2 | 103482 | 185597 | 11.47% | 0.526% |
| 10 | 9.712 | 1165 | 1170 | 1176 | rVV4 | 60831 | 134090 | 8.28% | 0.380% |
| 11 | 9.777 | 1176 | 1181 | 1189 | rVB | 148260 | 257787 | 15.93% | 0.730% |
| 12 | 10.217 | 1250 | 1256 | 1260 | rBV4 | 119676 | 234863 | 14.51% | 0.665% |
| 13 | 10.488 | 1288 | 1302 | 1306 | rBV4 | 200722 | 641816 | 39.65% | 1.818% |
| 14 | 10.523 | 1307 | 1308 | 1320 | rVB4 | 107833 | 211394 | 13.06% | 0.599% |
| 15 | 10.682 | 1328 | 1335 | 1350 | rBV5 | 107859 | 244599 | 15.11% | 0.693% |
| 16 | 10.876 | 1359 | 1368 | 1373 | rBV5 | 40812 | 113791 | 7.03% | 0.322% |
| 17 | 11.058 | 1393 | 1399 | 1404 | rBV | 353463 | 622042 | 38.43% | 1.762% |
| 18 | 11.111 | 1404 | 1408 | 1418 | rVB | 224452 | 389837 | 24.08% | 1.104% |
| 19 | 11.199 | 1418 | 1423 | 1426 | rBV5 | 69951 | 130825 | 8.08% | 0.371% |
| 20 | 11.293 | 1433 | 1439 | 1453 | rVB3 | 212021 | 713534 | 44.08% | 2.021% |
| 21 | 11.416 | 1453 | 1460 | 1463 | rBV2 | 304410 | 555884 | 34.34% | 1.575% |
| 22 | 11.457 | 1463 | 1467 | 1474 | rVV | 563436 | 1082430 | 66.87% | 3.066% |
| 23 | 11.528 | 1474 | 1479 | 1484 | rVV | 182725 | 309483 | 19.12% | 0.877% |
| 24 | 11.586 | 1484 | 1489 | 1493 | rVV2 | 59010 | 90620 | 5.60% | 0.257% |
| 25 | 11.633 | 1493 | 1497 | 1505 | rVB6 | 44491 | 93319 | 5.77% | 0.264% |
| 26 | 11.816 | 1522 | 1528 | 1531 | rBV3 | 73261 | 121361 | 7.50% | 0.344% |
| 27 | 11.874 | 1531 | 1538 | 1545 | rVV3 | 238679 | 448905 | 27.73% | 1.272% |
| 28 | 12.057 | 1564 | 1569 | 1576 | rBV8 | 74860 | 223319 | 13.80% | 0.633% |
| 29 | 12.133 | 1576 | 1582 | 1587 | rVV5 | 77171 | 191859 | 11.85% | 0.543% |
| 30 | 12.186 | 1587 | 1591 | 1594 | rVV2 | 61958 | 95236 | 5.88% | 0.270% |
| 31 | 12.256 | 1598 | 1603 | 1609 | rVB | 143679 | 272846 | 16.86% | 0.773% |
| 32 | 12.362 | 1615 | 1621 | 1624 | rBV2 | 64475 | 112539 | 6.95% | 0.319% |
| 33 | 12.403 | 1624 | 1628 | 1641 | rVB6 | 107650 | 256655 | 15.86% | 0.727% |
| 34 | 12.509 | 1641 | 1646 | 1651 | rBV3 | 69324 | 153782 | 9.50% | 0.436% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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 | 12.574 | 1651 | 1657 | 1659 | rBV4 | 118177 | 213144 | 13.17% | 0.604% |
| 36 | 12.697 | 1671 | 1678 | 1682 | rBV | 767303 | 1289377 | 79.66% | 3.652% |
| 37 | 12.732 | 1682 | 1684 | 1688 | rVB | 226287 | 307817 | 19.02% | 0.872% |
| 38 | 12.832 | 1696 | 1701 | 1703 | rBV4 | 137179 | 268253 | 16.57% | 0.760% |
| 39 | 12.914 | 1710 | 1715 | 1722 | rVB | 493857 | 812211 | 50.18% | 2.301% |
| 40 | 13.002 | 1722 | 1730 | 1735 | rBV2 | 246767 | 526655 | 32.54% | 1.492% |
| 41 | 13.091 | 1740 | 1745 | 1758 | rVB8 | 152296 | 377263 | 23.31% | 1.069% |
| 42 | 13.202 | 1759 | 1764 | 1769 | rBV6 | 71546 | 124854 | 7.71% | 0.354% |
| 43 | 13.267 | 1769 | 1775 | 1778 | rBV6 | 127595 | 222346 | 13.74% | 0.630% |
| 44 | 13.337 | 1783 | 1787 | 1792 | rBV3 | 91929 | 135340 | 8.36% | 0.383% |
| 45 | 13.384 | 1793 | 1795 | 1800 | rVB4 | 103186 | 146622 | 9.06% | 0.415% |
| 46 | 13.449 | 1801 | 1806 | 1815 | rVB6 | 84359 | 192555 | 11.90% | 0.545% |
| 47 | 13.543 | 1815 | 1822 | 1824 | rBV3 | 112970 | 240803 | 14.88% | 0.682% |
| 48 | 13.572 | 1824 | 1827 | 1831 | rVB3 | 131132 | 196693 | 12.15% | 0.557% |
| 49 | 13.625 | 1832 | 1836 | 1842 | rVV3 | 193626 | 339162 | 20.95% | 0.961% |
| 50 | 13.684 | 1842 | 1846 | 1850 | rVB | 98472 | 130919 | 8.09% | 0.371% |
| 51 | 13.796 | 1859 | 1865 | 1868 | rBV6 | 110946 | 230302 | 14.23% | 0.652% |
| 52 | 13.884 | 1876 | 1880 | 1889 | rBV4 | 165979 | 364372 | 22.51% | 1.032% |
| 53 | 14.037 | 1896 | 1906 | 1917 | rVB5 | 275597 | 862406 | 53.28% | 2.443% |
| 54 | 14.172 | 1918 | 1929 | 1934 | rBV3 | 379061 | 812261 | 50.18% | 2.301% |
| 55 | 14.225 | 1934 | 1938 | 1946 | rVB5 | 359159 | 642625 | 39.70% | 1.820% |
| 56 | 14.336 | 1954 | 1957 | 1961 | rBV5 | 51594 | 86355 | 5.34% | 0.245% |
| 57 | 14.413 | 1966 | 1970 | 1974 | rBV3 | 95462 | 128886 | 7.96% | 0.365% |
| 58 | 14.489 | 1980 | 1983 | 1986 | rVB2 | 129349 | 156095 | 9.64% | 0.442% |
| 59 | 14.571 | 1987 | 1997 | 2001 | rBV9 | 180959 | 527687 | 32.60% | 1.495% |
| 60 | 14.618 | 2002 | 2005 | 2010 | rVB4 | 129366 | 175636 | 10.85% | 0.498% |
| 61 | 14.695 | 2014 | 2018 | 2023 | rVB | 328287 | 445834 | 27.54% | 1.263% |
| 62 | 14.806 | 2033 | 2037 | 2041 | rBV2 | 321340 | 500092 | 30.90% | 1.417% |
| 63 | 14.853 | 2041 | 2045 | 2055 | rVB2 | 562657 | 1144447 | 70.70% | 3.242% |
| 64 | 15.071 | 2074 | 2082 | 2089 | rBV2 | 159544 | 349833 | 21.61% | 0.991% |
| 65 | 15.147 | 2090 | 2095 | 2099 | rVB4 | 90134 | 160768 | 9.93% | 0.455% |
| 66 | 15.235 | 2105 | 2110 | 2118 | rBV6 | 121807 | 274800 | 16.98% | 0.778% |
| 67 | 15.317 | 2121 | 2124 | 2127 | rVB4 | 71032 | 87584 | 5.41% | 0.248% |
| 68 | 15.458 | 2143 | 2148 | 2152 | rBV5 | 100804 | 192488 | 11.89% | 0.545% |
| 69 | 15.511 | 2152 | 2157 | 2165 | rVB5 | 201510 | 359635 | 22.22% | 1.019% |
| 70 | 15.605 | 2165 | 2173 | 2175 | rBV3 | 274787 | 579350 | 35.79% | 1.641% |
| 71 | 15.635 | 2175 | 2178 | 2183 | rVB | 454419 | 616305 | 38.08% | 1.746% |

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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 | 15.793 | 2201 | 2205 | 2209 | rBV6 | 64128 | 111156 | 6.87% | 0.315% |
| 73 | 15.840 | 2209 | 2213 | 2216 | rVV2 | 128917 | 206375 | 12.75% | 0.585% |
| 74 | 15.881 | 2216 | 2220 | 2231 | rVB5 | 223254 | 502258 | 31.03% | 1.423% |
| 75 | 16.445 | 2309 | 2316 | 2320 | rVB5 | 217375 | 386712 | 23.89% | 1.095% |
| 76 | 16.498 | 2320 | 2325 | 2329 | rBV | 598387 | 783369 | 48.40% | 2.219% |
| 77 | 16.722 | 2356 | 2363 | 2368 | rVB5 | 250438 | 362577 | 22.40% | 1.027% |
| 78 | 16.804 | 2372 | 2377 | 2385 | rVB3 | 241051 | 347960 | 21.50% | 0.986% |
| 79 | 16.886 | 2385 | 2391 | 2396 | rBV6 | 61039 | 130166 | 8.04% | 0.369% |
| 80 | 17.109 | 2427 | 2429 | 2438 | rVB9 | 51183 | 88404 | 5.46% | 0.250% |
| 81 | 17.245 | 2448 | 2452 | 2455 | rBV2 | 144724 | 221387 | 13.68% | 0.627% |
| 82 | 17.286 | 2455 | 2459 | 2471 | rVB | 489492 | 744081 | 45.97% | 2.108% |
| 83 | 17.438 | 2480 | 2485 | 2489 | rVB4 | 72253 | 111570 | 6.89% | 0.316% |
| 84 | 17.597 | 2506 | 2512 | 2523 | rVB | 761438 | 1246692 | 77.02% | 3.532% |
| 85 | 17.697 | 2524 | 2529 | 2537 | rVV2 | 113175 | 196171 | 12.12% | 0.556% |
| 86 | 17.767 | 2537 | 2541 | 2547 | rVB7 | 50372 | 98777 | 6.10% | 0.280% |
| 87 | 17.938 | 2565 | 2570 | 2574 | rBV7 | 62238 | 120750 | 7.46% | 0.342% |
| 88 | 17.985 | 2574 | 2578 | 2581 | rVV5 | 106895 | 147882 | 9.14% | 0.419% |
| 89 | 18.026 | 2581 | 2585 | 2598 | rVB | 419780 | 627989 | 38.80% | 1.779% |
| 90 | 18.208 | 2612 | 2616 | 2623 | rVB2 | 67652 | 101983 | 6.30% | 0.289% |
| 91 | 18.672 | 2691 | 2695 | 2698 | rBV2 | 116139 | 144631 | 8.94% | 0.410% |
| 92 | 18.708 | 2698 | 2701 | 2709 | rVB | 279602 | 373675 | 23.09% | 1.059% |
| 93 | 19.330 | 2798 | 2807 | 2816 | rBV | 216161 | 384864 | 23.78% | 1.090% |
| 94 | 19.877 | 2896 | 2900 | 2902 | rBV | 106486 | 123119 | 7.61% | 0.349% |
| 95 | 19.900 | 2902 | 2904 | 2911 | rVV2 | 163215 | 208664 | 12.89% | 0.591% |
| 96 | 19.971 | 2911 | 2916 | 2928 | rVB2 | 178106 | 316401 | 19.55% | 0.896% |
| 97 | 20.429 | 2988 | 2994 | 3003 | rVB2 | 144306 | 235101 | 14.52% | 0.666% |
| 98 | 20.911 | 3072 | 3076 | 3084 | rBV4 | 69617 | 177335 | 10.96% | 0.502% |
| 99 | 21.892 | 3236 | 3243 | 3254 | rVB | 901028 | 1618649 | 100.00% | 4.585% |
| 100 | 25.312 | 3816 | 3825 | 3840 | rVB2 | 495308 | 1534954 | 94.83% | 4.348% |

Sum of corrected areas: 35301773

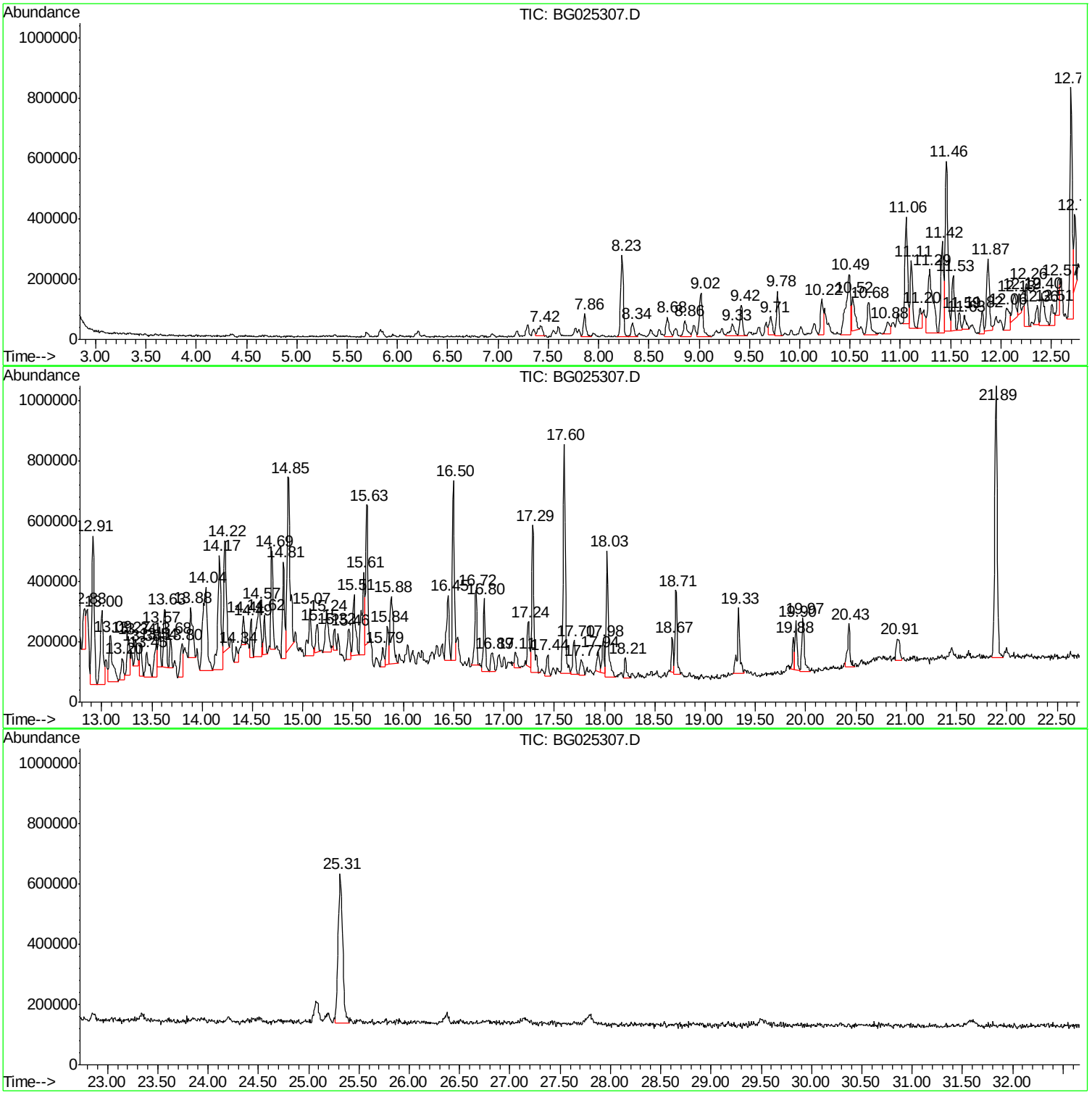
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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 : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

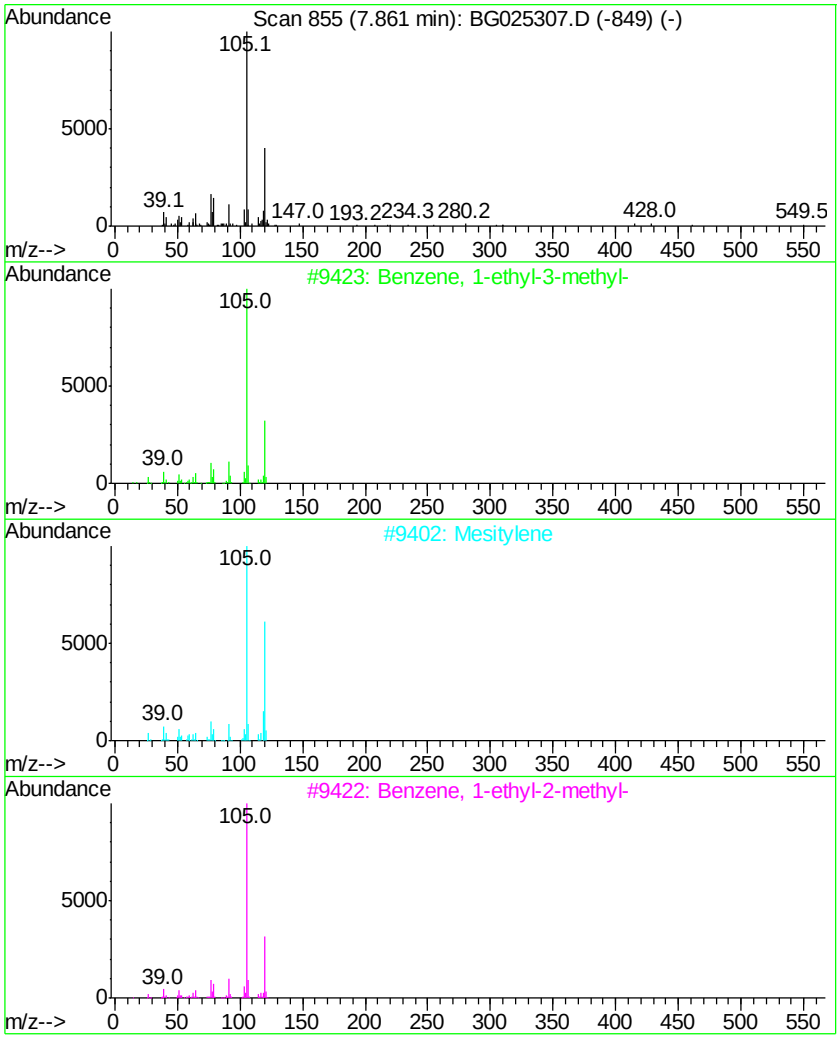
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

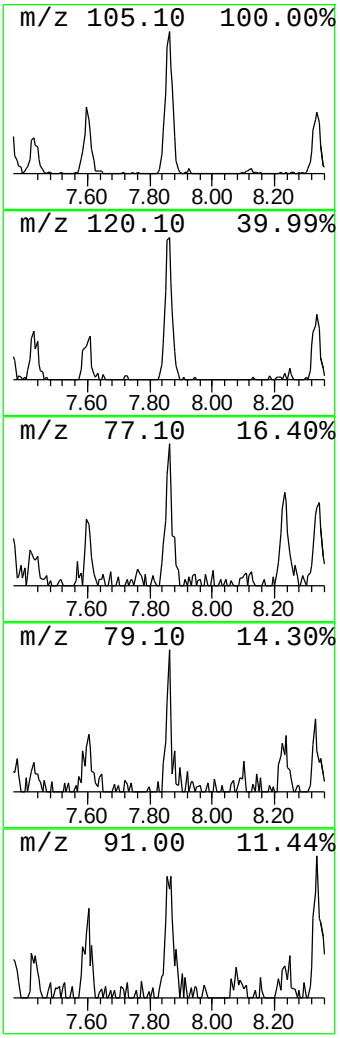
**********

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.86 | 5.46 ng/ul | 135858 | 1,4-Dichlorobenzene-d4 | 8.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 81 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 81 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 81 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 74 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 74 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

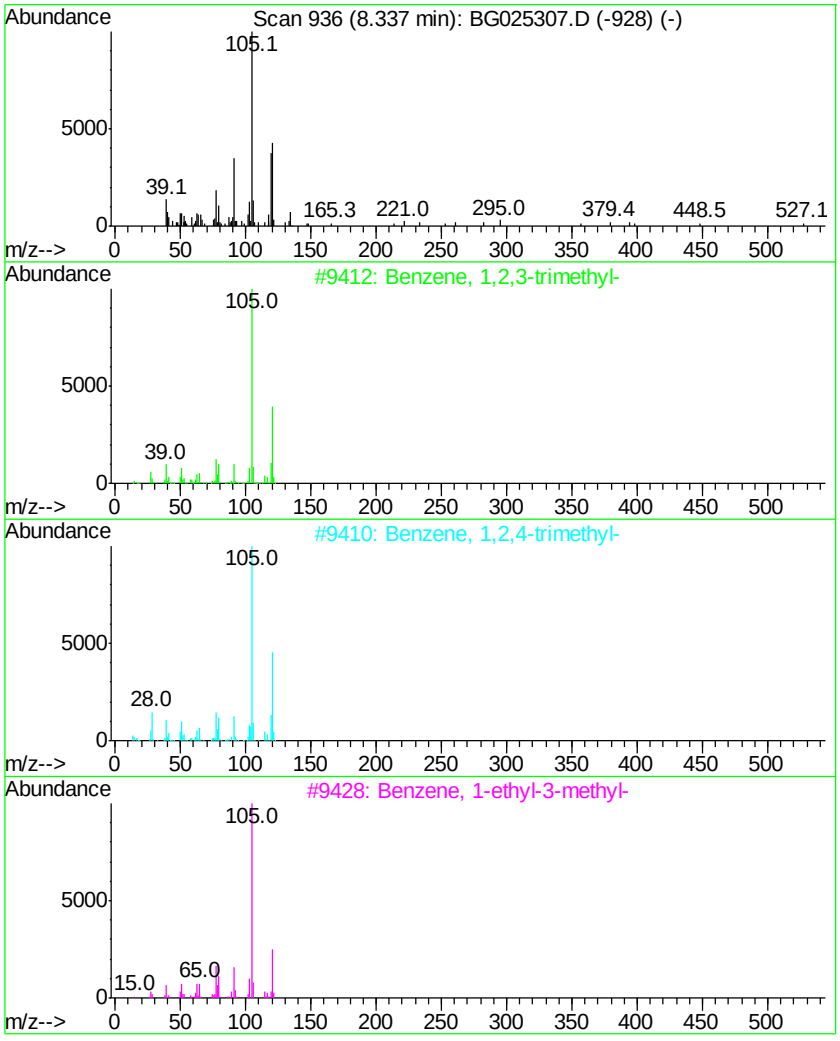
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

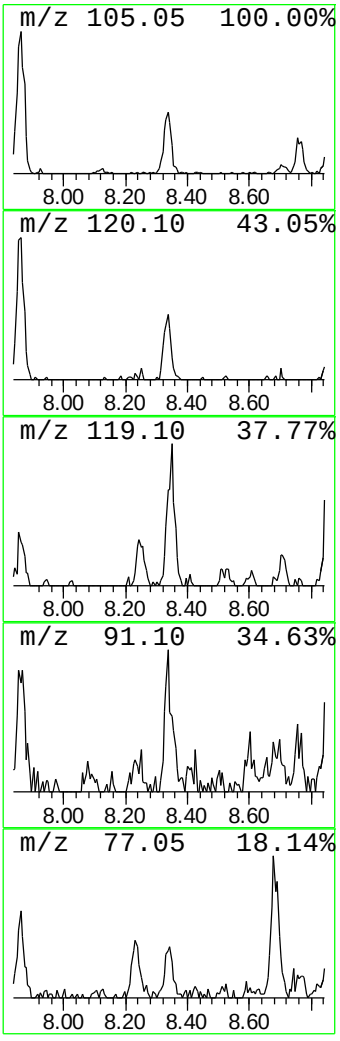
**********

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.34 | 3.42 ng/ul | 85115 | 1,4-Dichlorobenzene-d4 | 8.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 72 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 72 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 68 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 64 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

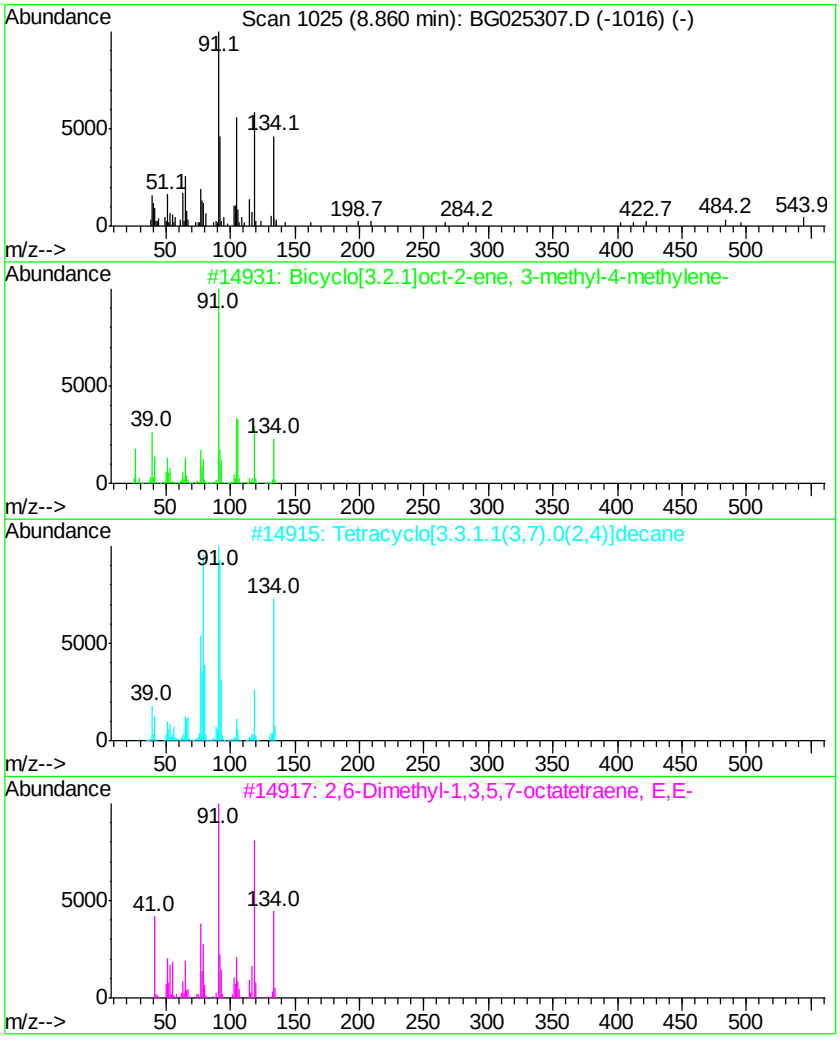
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

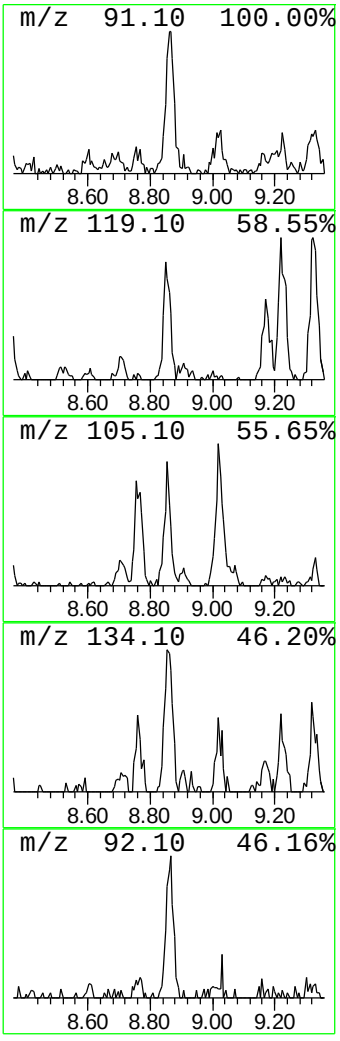
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Bicyclo[3.2.1]oct-2-ene, 3-... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.86 | 5.52 ng/ul | 137426 | 1,4-Dichlorobenzene-d4 | 8.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.2.1]oct-2-ene, 3-methy... | 134 | C10H14 | 049826-53-1 | 50 |
| 2 | Tetracyclo[3.3.1.1(3,7).0(2,4)]d... | 134 | C10H14 | 010501-16-3 | 49 |
| 3 | 2,6-Dimethyl-1,3,5,7-octatetraen... | 134 | C10H14 | 000460-01-5 | 47 |
| 4 | 2,6-Dimethyl-1,3,5,7-octatetraen... | 134 | C10H14 | 000460-01-5 | 47 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

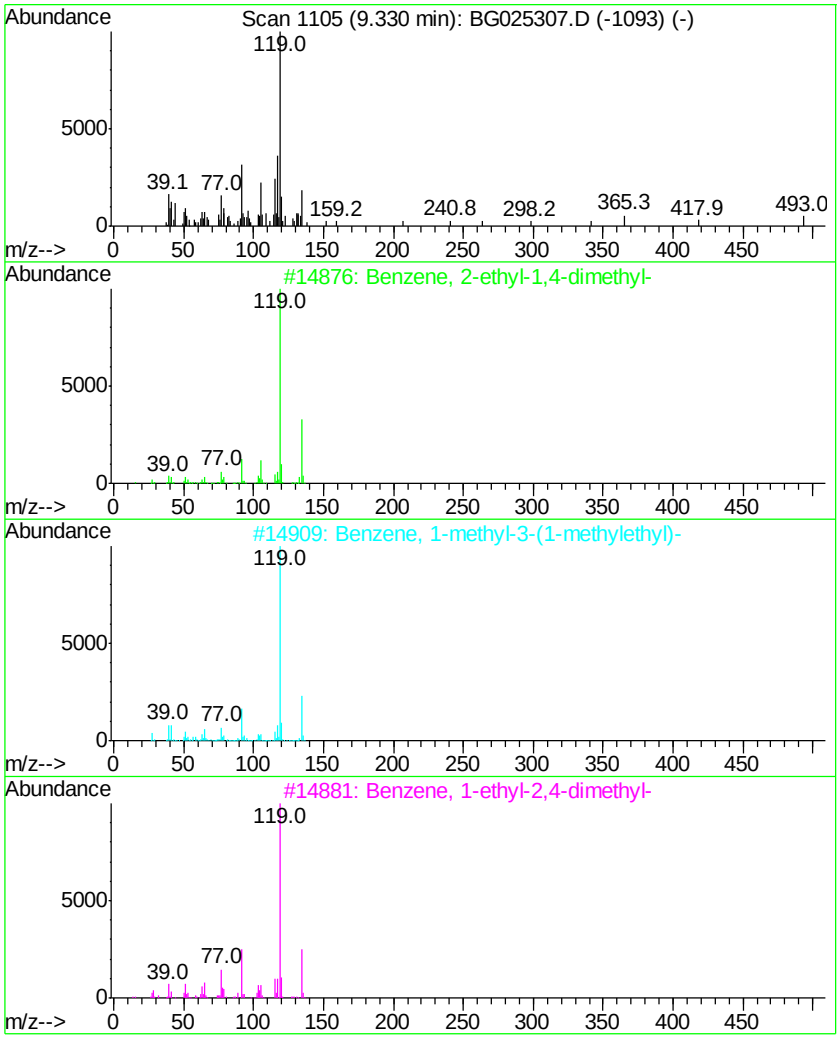
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

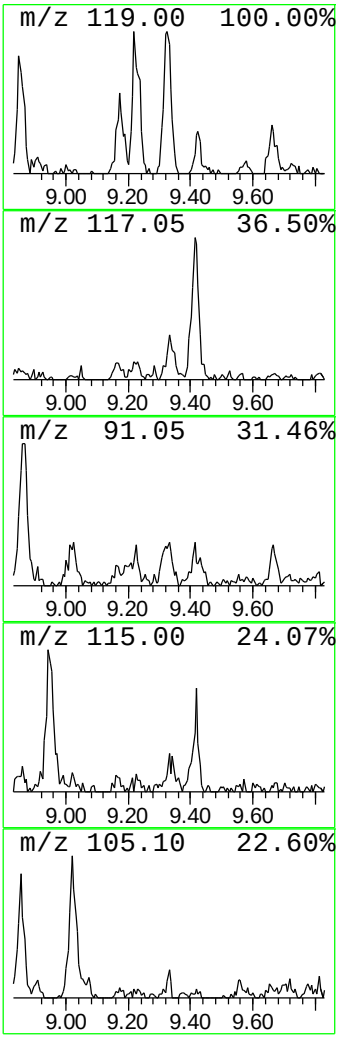
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.33 | 4.72 ng/ul | 117349 | 1,4-Dichlorobenzene-d4 | 8.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 52 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 52 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 52 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 52 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 52 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

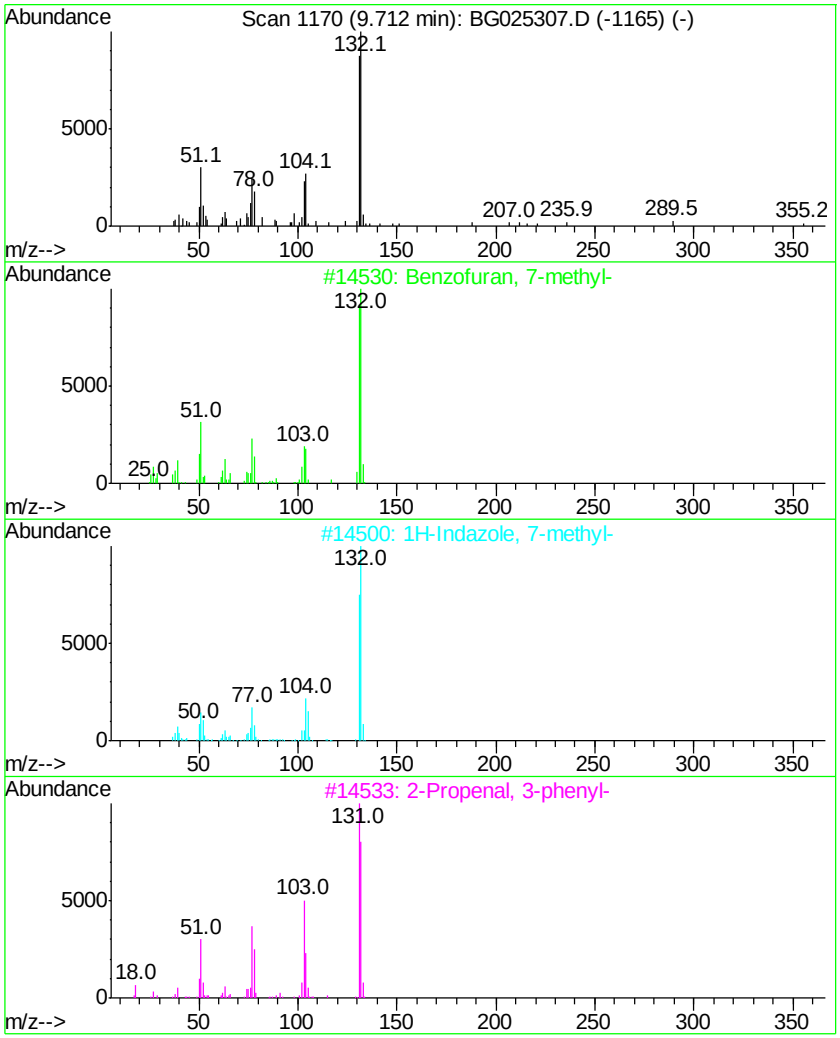
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

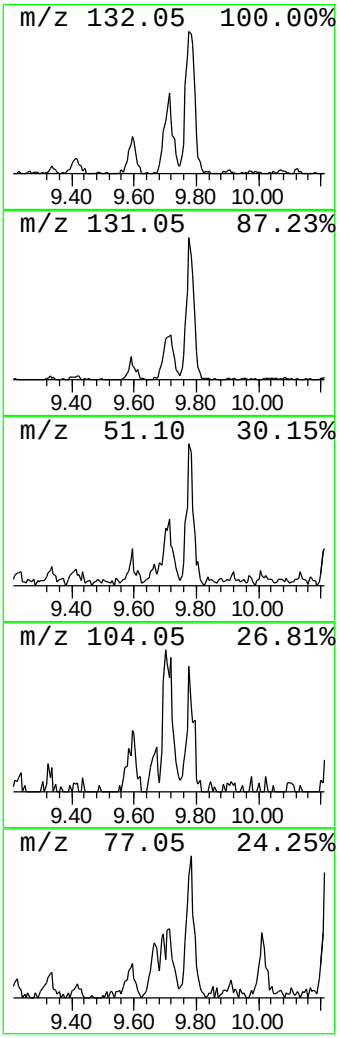
**********

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.71 | 4.31 ng/ul | 134090 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 86 |
| 2 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 83 |
| 3 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 72 |
| 4 | Benzonitrile, 2-(methylamino)- | 132 | C8H8N2 | 017583-40-3 | 72 |
| 5 | 4-Aminobenzyl cyanide | 132 | C8H8N2 | 003544-25-0 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

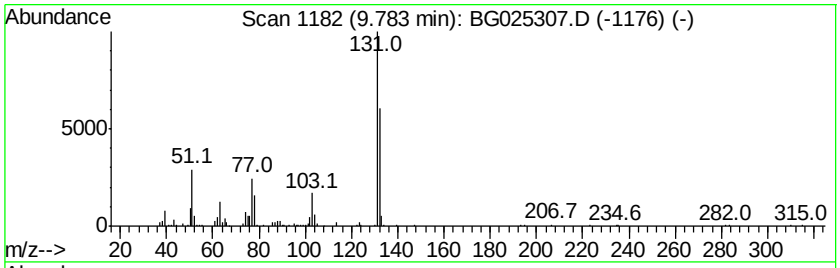
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

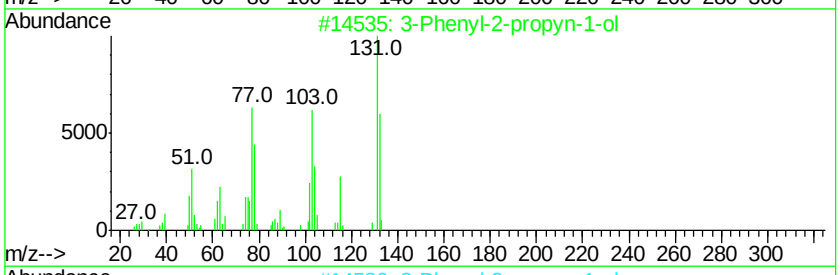
**********

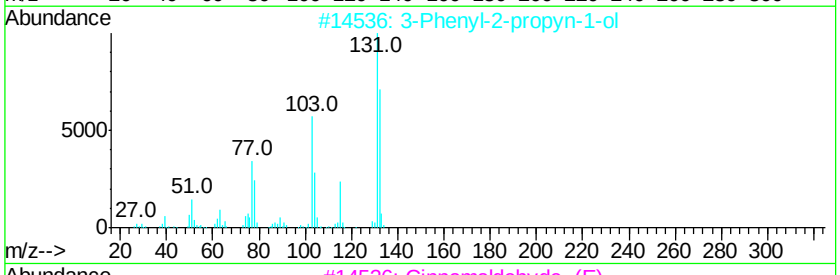
Peak Number 7 3-Phenyl-2-propyn-1-ol Concentration Rank 19

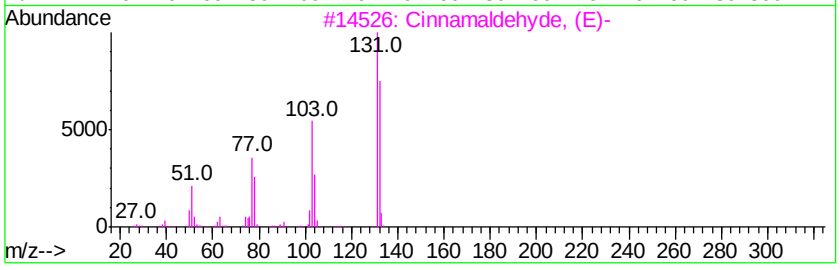
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.78 | 8.29 ng/ul | 257787 | Naphthalene-d8 | 11.06 |

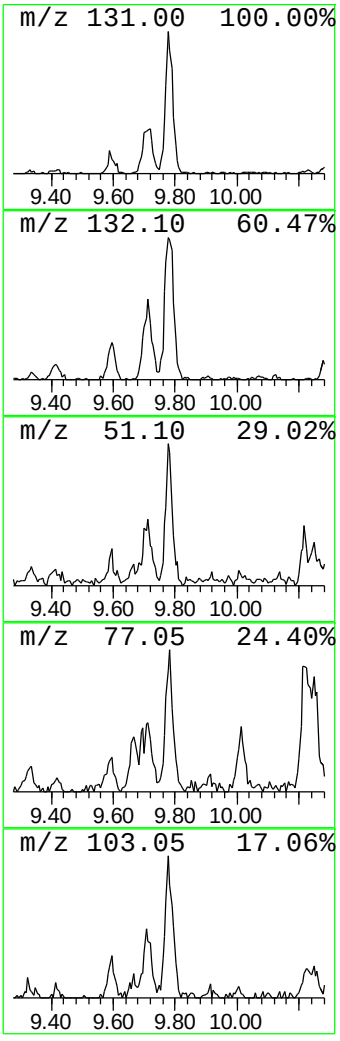
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |
| 2 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |
| 3 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 91 |
| 4 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 87 |
| 5 | Benzylidenemalonaldehyde | 160 | C10H8O2 | 082700-43-4 | 83 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

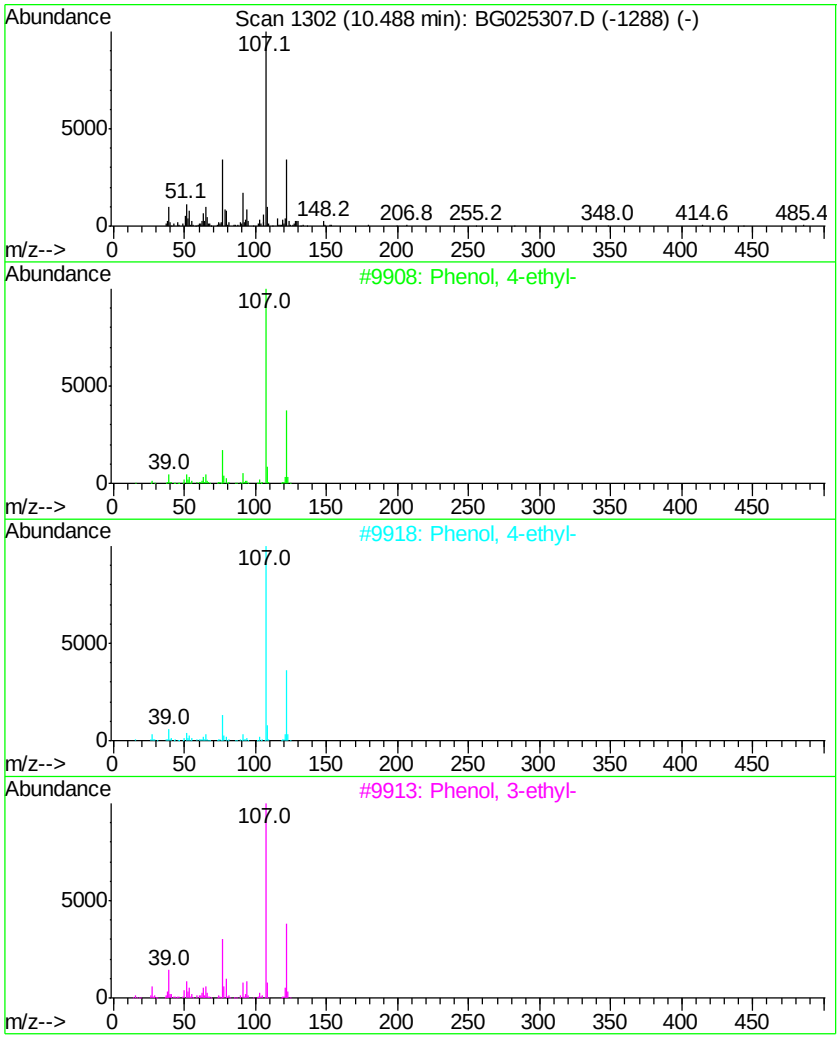
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

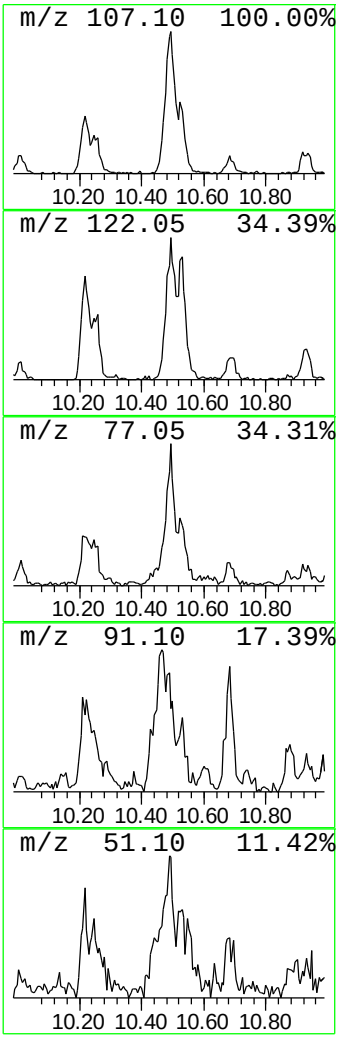
**********

Peak Number 8 Phenol, 4-ethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.49 | 20.64 ng/ul | 641816 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 90 |
| 2 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 90 |
| 3 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 90 |
| 4 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 87 |
| 5 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 87 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

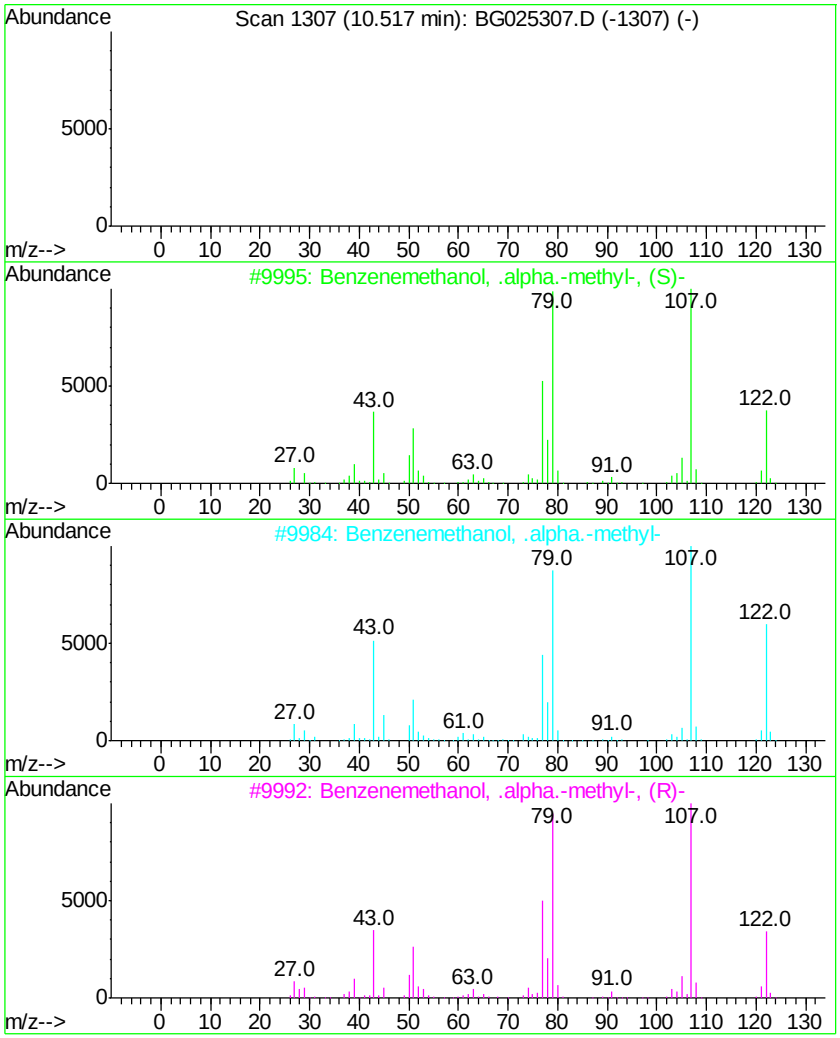
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********

Peak Number 9 unknown-01 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.52 | 6.80 ng/ul | 211394 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenemethanol, .alpha.-methyl-... | 122 | C8H10O | 001445-91-6 | 38 |
| 2 | Benzenemethanol, .alpha.-methyl- | 122 | C8H10O | 000098-85-1 | 38 |
| 3 | Benzenemethanol, .alpha.-methyl-... | 122 | C8H10O | 001517-69-7 | 38 |
| 4 | Phenol, 3,4-dimethyl- | 122 | C8H10O | 000095-65-8 | 37 |
| 5 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 37 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

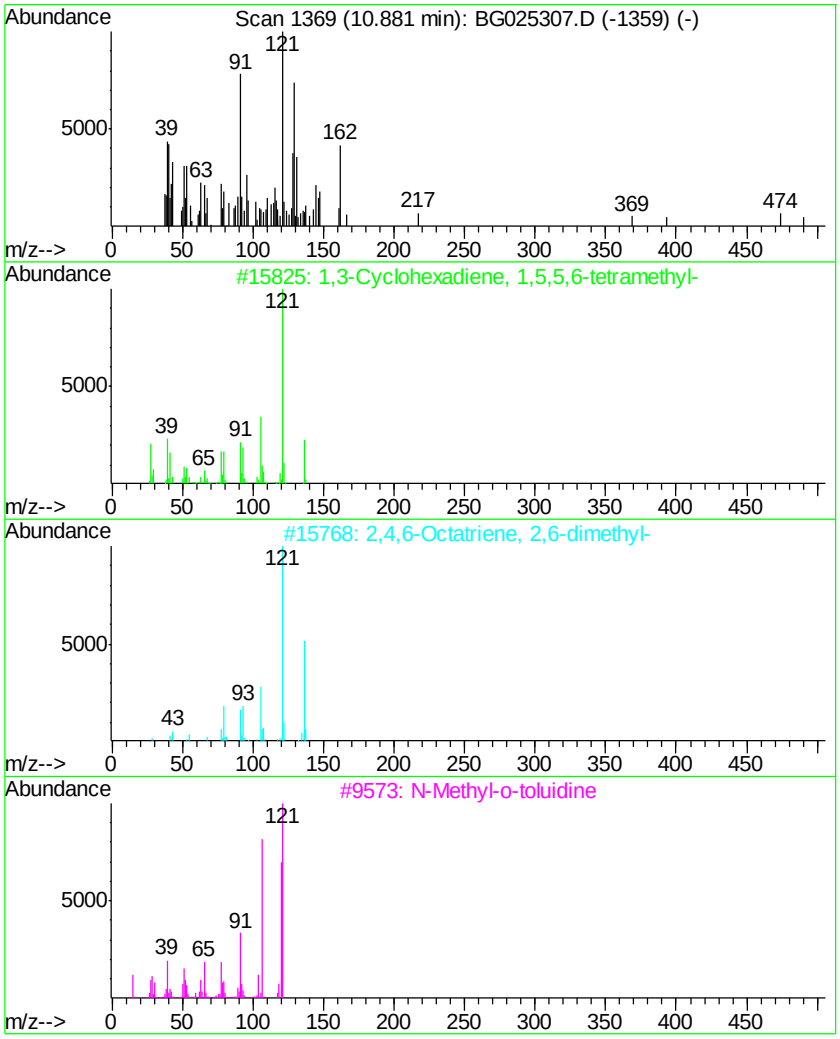
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

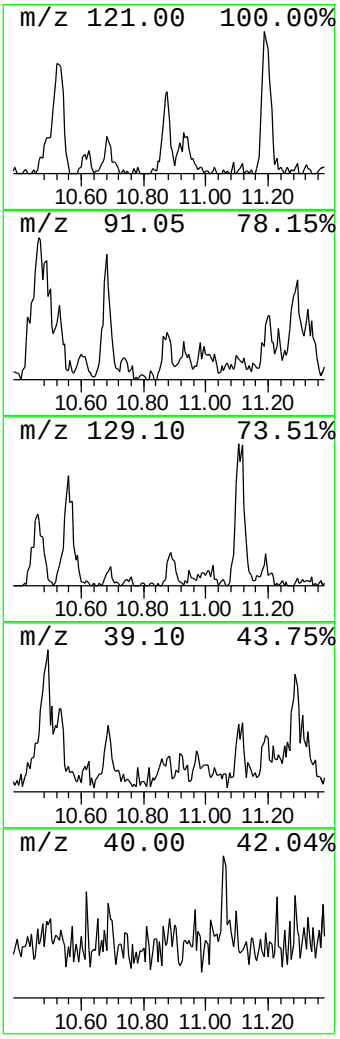
**********

Peak Number 10 unknown-02 Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.88 | 3.66 ng/ul | 113791 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclohexadiene, 1,5,5,6-tetr... | 136 | C10H16 | 000514-94-3 | 43 |
| 2 | 2,4,6-Octatriene, 2,6-dimethyl- | 136 | C10H16 | 000673-84-7 | 43 |
| 3 | N-Methyl-o-toluidine | 121 | C8H11N | 000611-21-2 | 38 |
| 4 | Phenol, 4-ethyl-2-methyl- | 136 | C9H12O | 002219-73-0 | 37 |
| 5 | 4-Dimethyl(ethenyl)silylbut-1-en... | 136 | C8H12Si | 018292-17-6 | 37 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

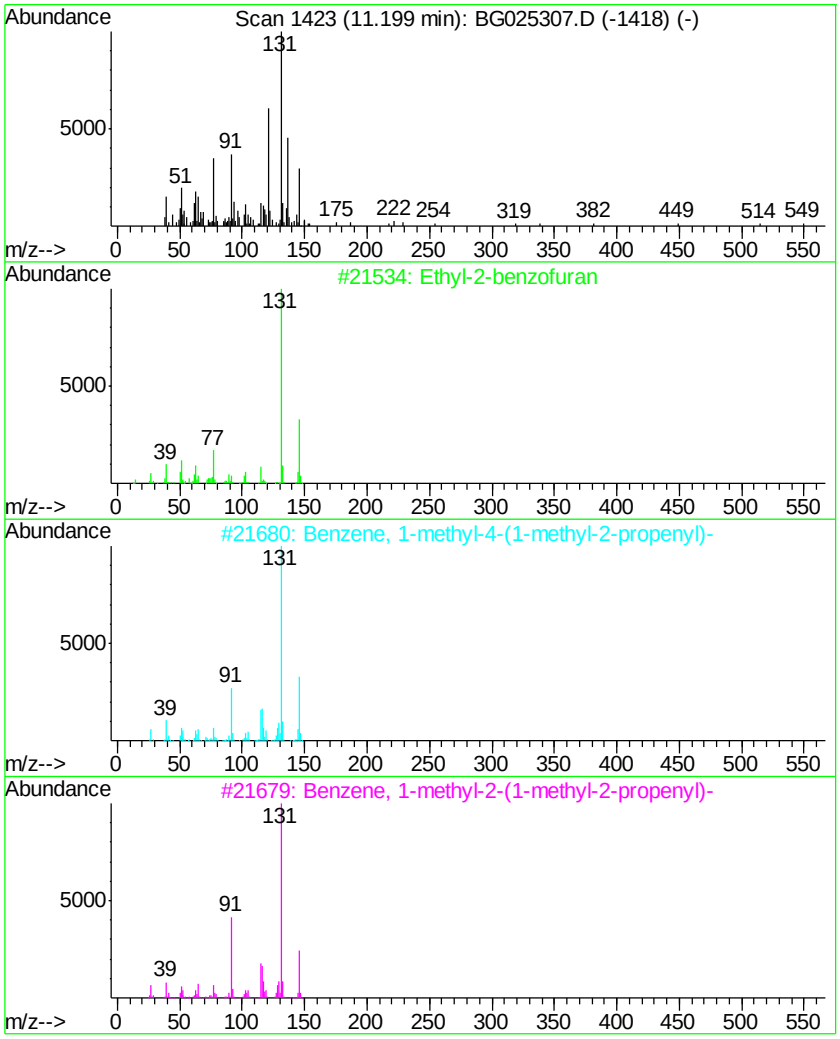
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

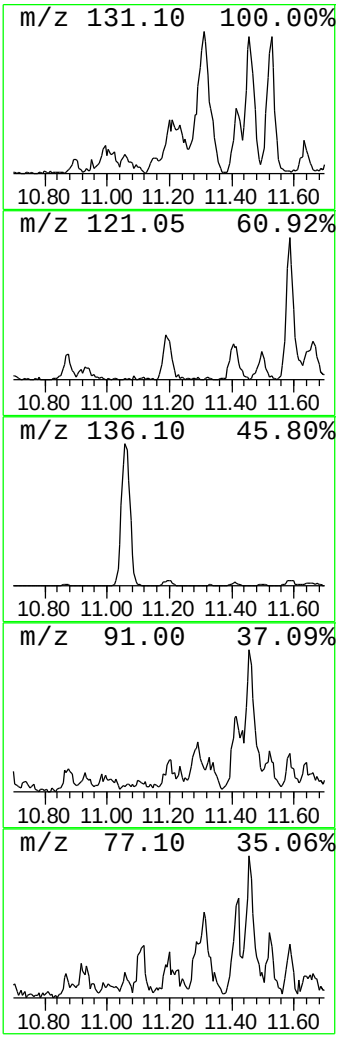
**********

Peak Number 11 Ethyl-2-benzofuran Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.20 | 4.21 ng/ul | 130825 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl-2-benzofuran | 146 | C10H10O | 003131-63-3 | 58 |
| 2 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 45 |
| 3 | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14 | 097664-19-2 | 43 |
| 4 | Benzene, (1,1-dimethyl-2-propenyl)- | 146 | C11H14 | 018321-36-3 | 43 |
| 5 | 1H-Indole, 1-methyl- | 131 | C9H9N | 000603-76-9 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

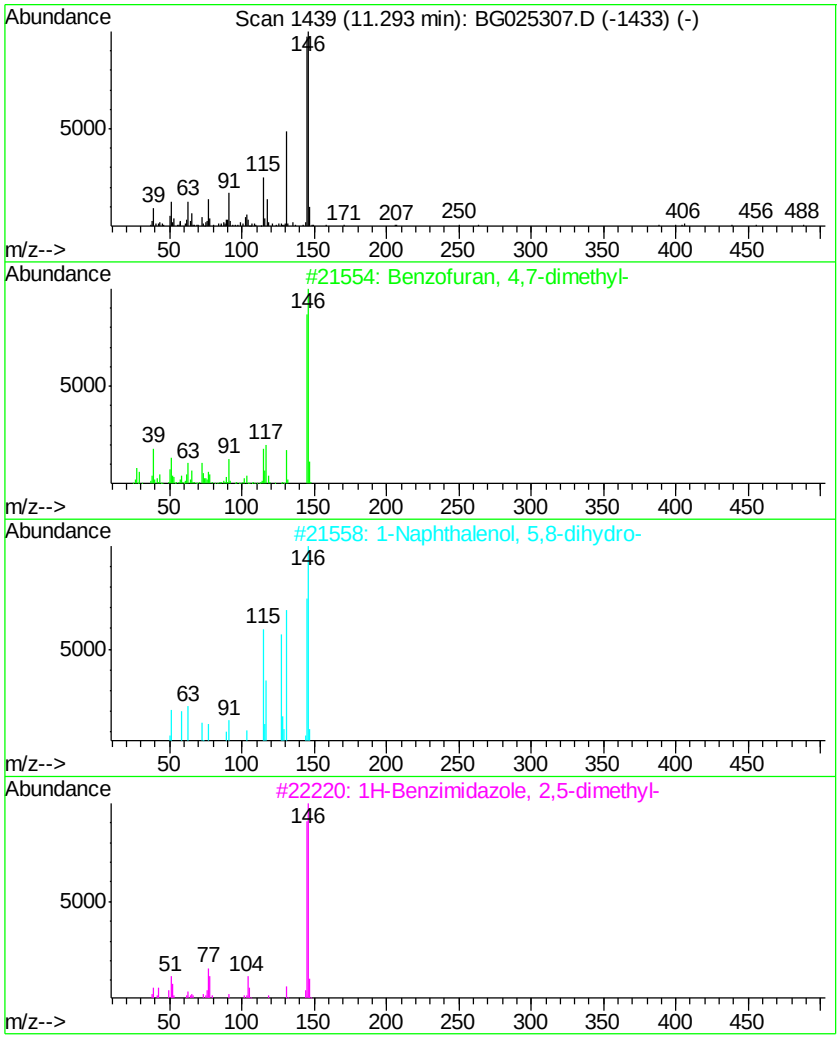
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

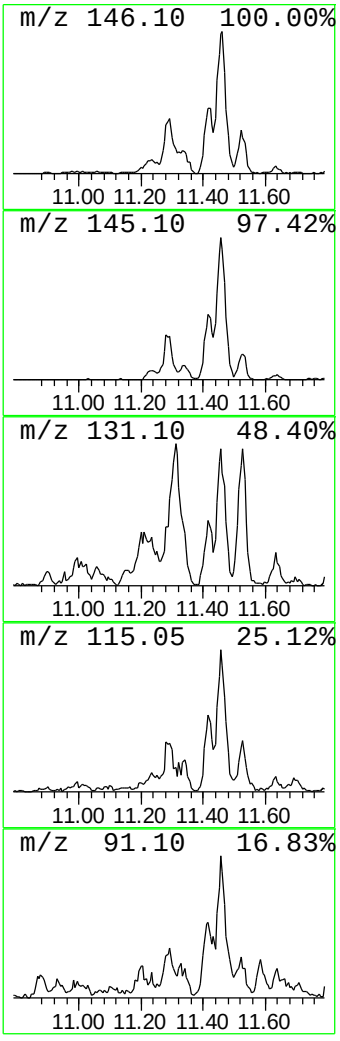
**********

Peak Number 12 Benzofuran, 4,7-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.29 | 22.94 ng/ul | 713534 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 4,7-dimethyl- | 146 | C10H10O | 028715-26-6 | 64 |
| 2 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 59 |
| 3 | 1H-Benzimidazole, 2,5-dimethyl- | 146 | C9H10N2 | 001792-41-2 | 53 |
| 4 | 2-Propyn-1-ol, 3-(4-methylphenyl)- | 146 | C10H10O | 016017-24-6 | 50 |
| 5 | 1,2-Dimethylbenzimidazole | 146 | C9H10N2 | 002876-08-6 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

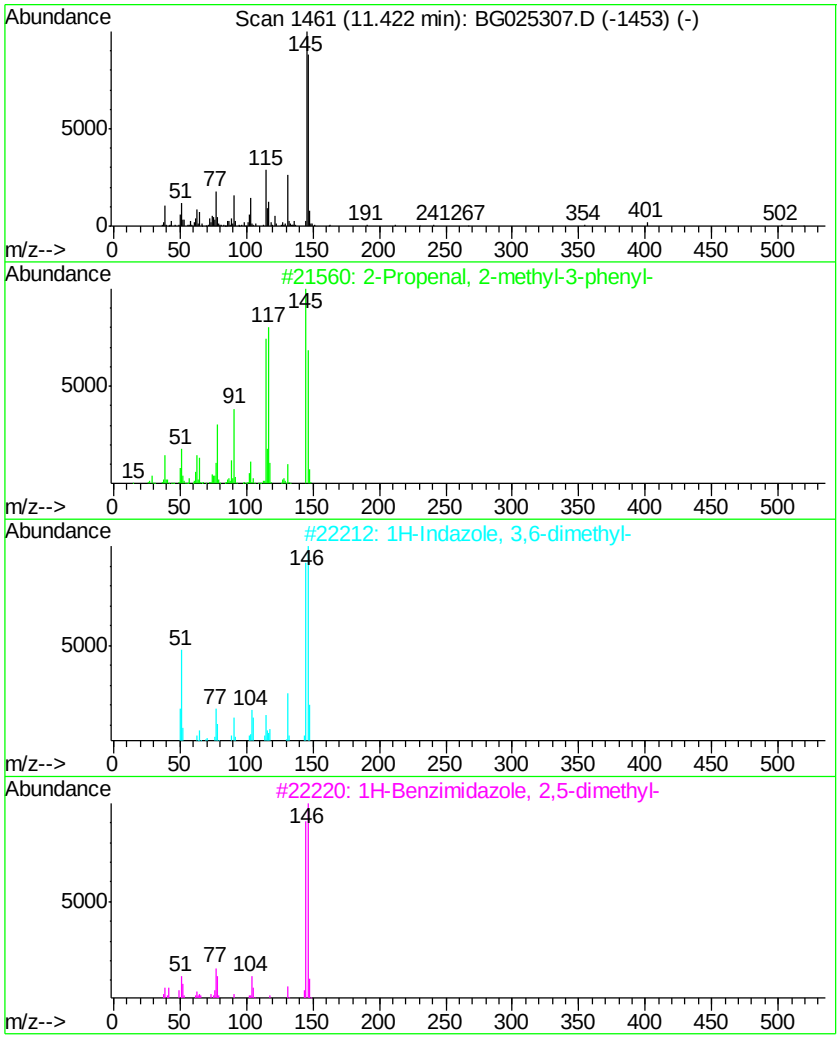
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

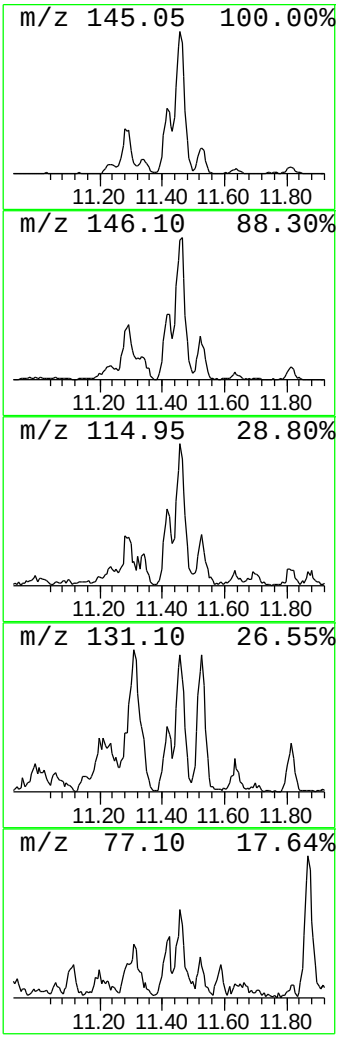
**********

Peak Number 13 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.42 | 17.87 ng/ul | 555884 | 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 | 64 |
| 2 | 1H-Indazole, 3,6-dimethyl- | 146 | C9H10N2 | 007746-28-3 | 64 |
| 3 | 1H-Benzimidazole, 2,5-dimethyl- | 146 | C9H10N2 | 001792-41-2 | 53 |
| 4 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 53 |
| 5 | 1,2-Dimethylbenzimidazole | 146 | C9H10N2 | 002876-08-6 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

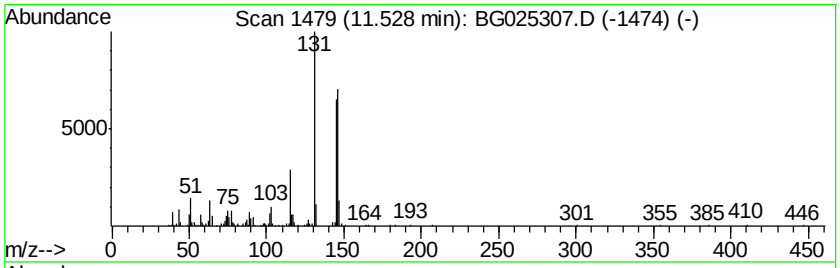
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

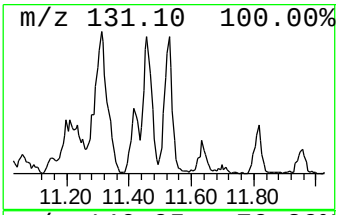
**********

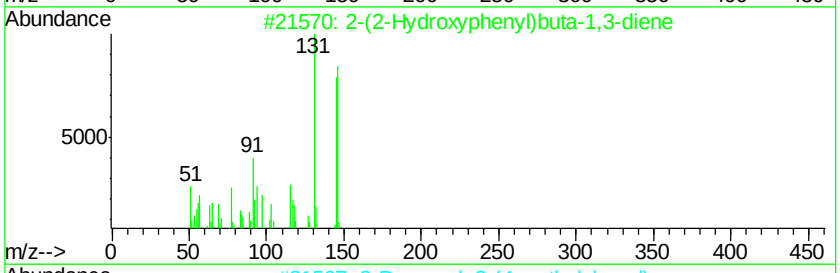
Peak Number 15 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 15

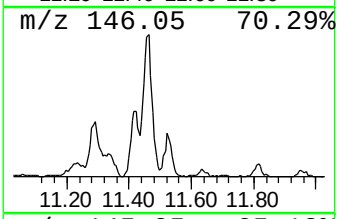
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.53 | 9.95 ng/ul | 309483 | Naphthalene-d8 | 11.06 |

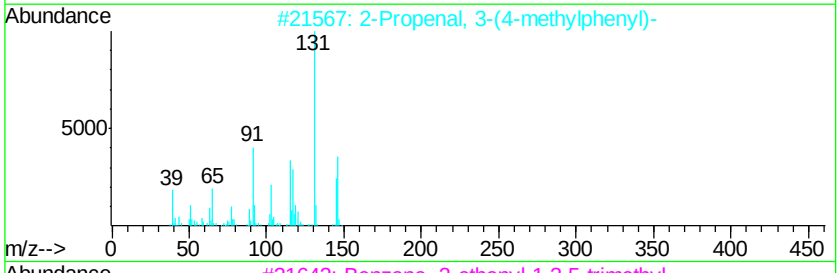
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(2-Hydroxyphenyl)buta-1,3-diene | 146 | C10H10O | 038865-47-3 | 78 |
| 2 | 2-Propenal, 3-(4-methylphenyl)- | 146 | C10H10O | 001504-75-2 | 72 |
| 3 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 72 |
| 4 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 64 |
| 5 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 64 |

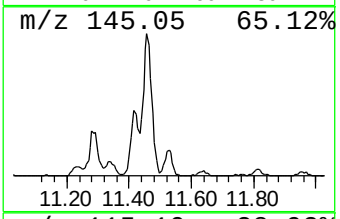


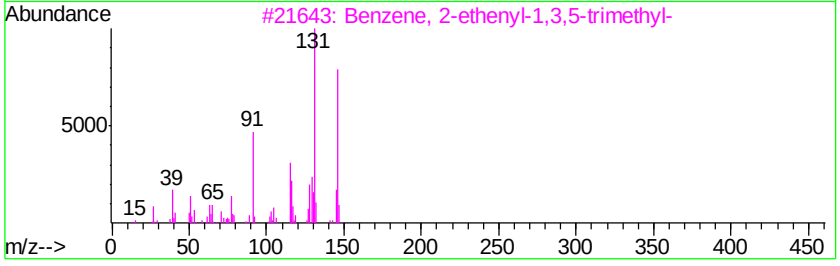



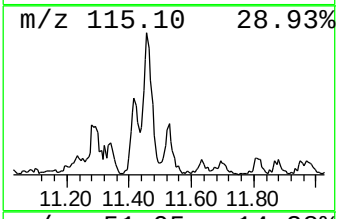



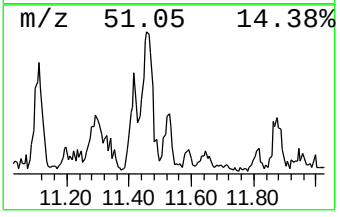



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

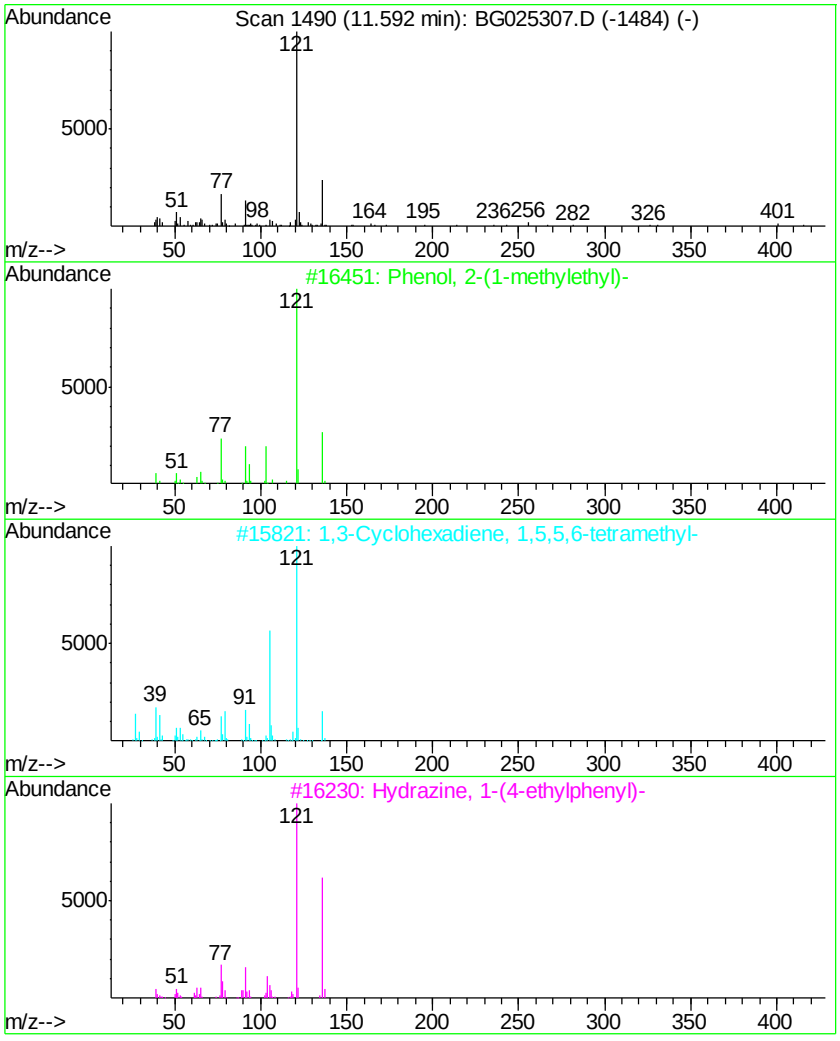
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

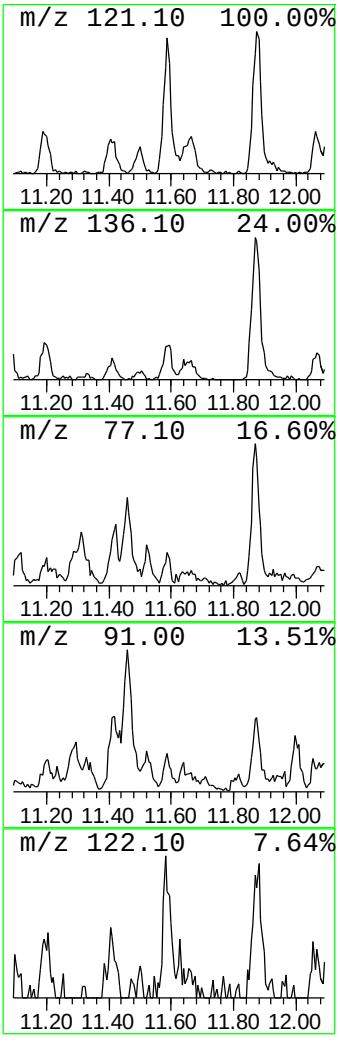
**********

Peak Number 16 Phenol, 2-(1-methylethyl)- Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.59 | 2.91 ng/ul | 90620 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 86 |
| 2 | 1,3-Cyclohexadiene, 1,5,5,6-tetr... | 136 | C10H16 | 000514-94-3 | 86 |
| 3 | Hydrazine, 1-(4-ethylphenyl)- | 136 | C8H12N2 | 054840-34-5 | 78 |
| 4 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 78 |
| 5 | Phenol, 3-(1-methylethyl)- | 136 | C9H12O | 000618-45-1 | 78 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

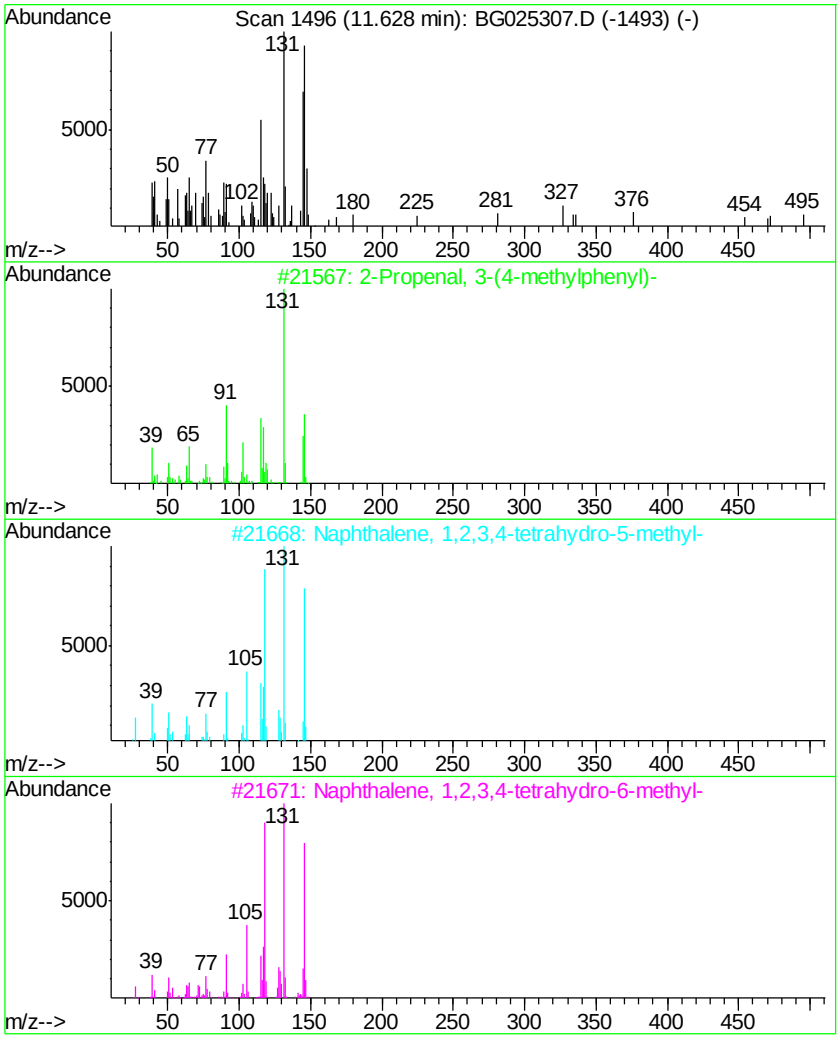
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

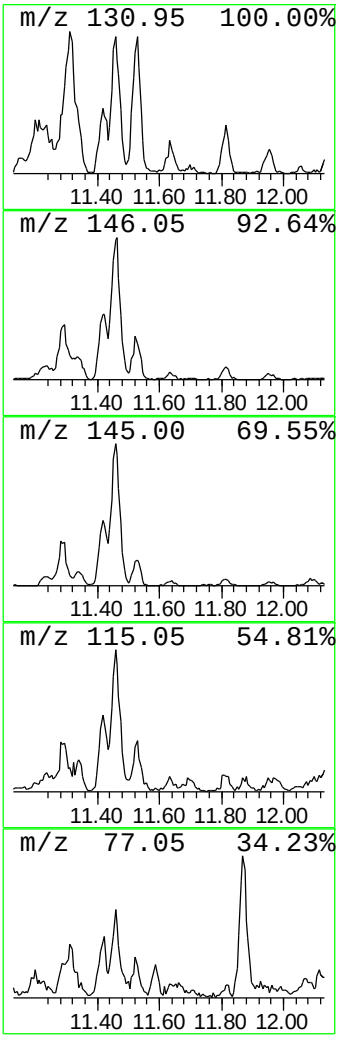
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 2-Propenal, 3-(4-methylphen... Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.63 | 3.00 ng/ul | 93319 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 3-(4-methylphenyl)- | 146 | C10H10O | 001504-75-2 | 87 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 72 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 72 |
| 4 | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 72 |
| 5 | 1-Methylindan-2-one | 146 | C10H10O | 035587-60-1 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

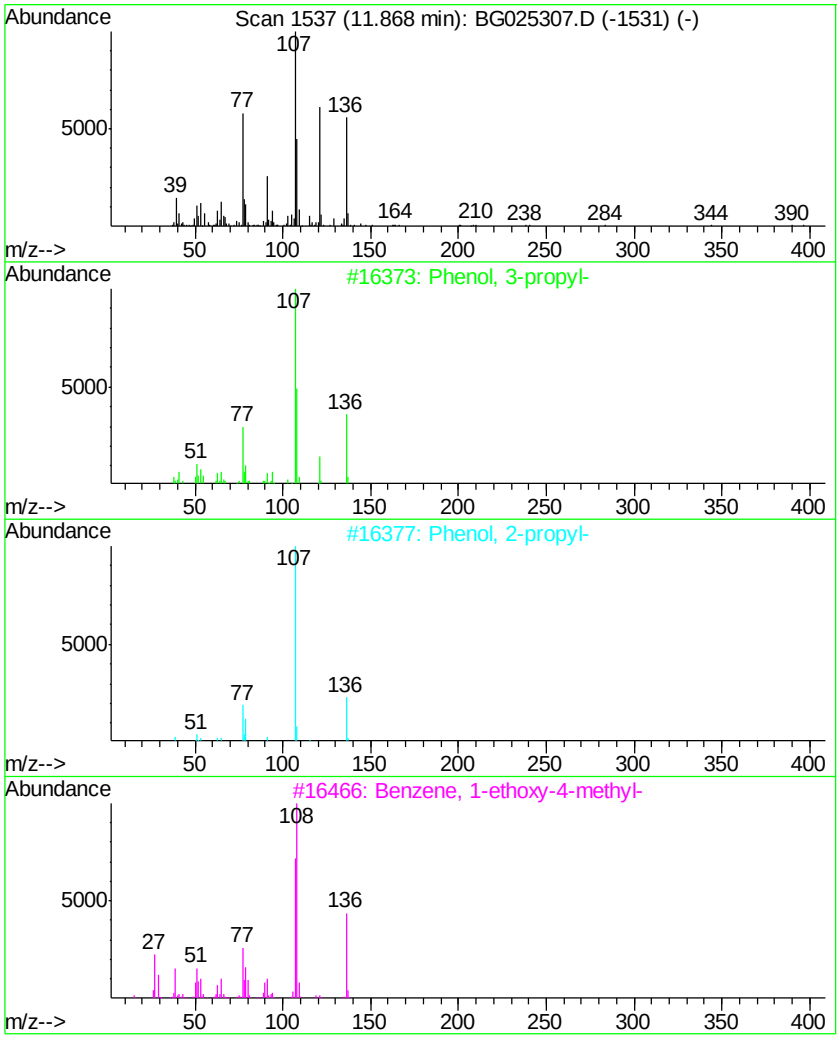
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

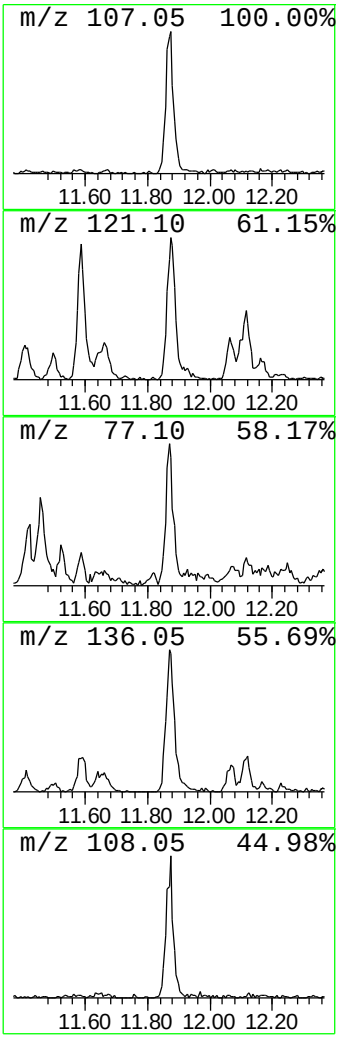
**********

Peak Number 19 Phenol, 3-propyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.87 | 14.43 ng/ul | 448905 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-propyl- | 136 | C9H12O | 000621-27-2 | 83 |
| 2 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 58 |
| 3 | Benzene, 1-ethoxy-4-methyl- | 136 | C9H12O | 000622-60-6 | 49 |
| 4 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 46 |
| 5 | Hydrazine, 1-(4-ethylphenyl)- | 136 | C8H12N2 | 054840-34-5 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

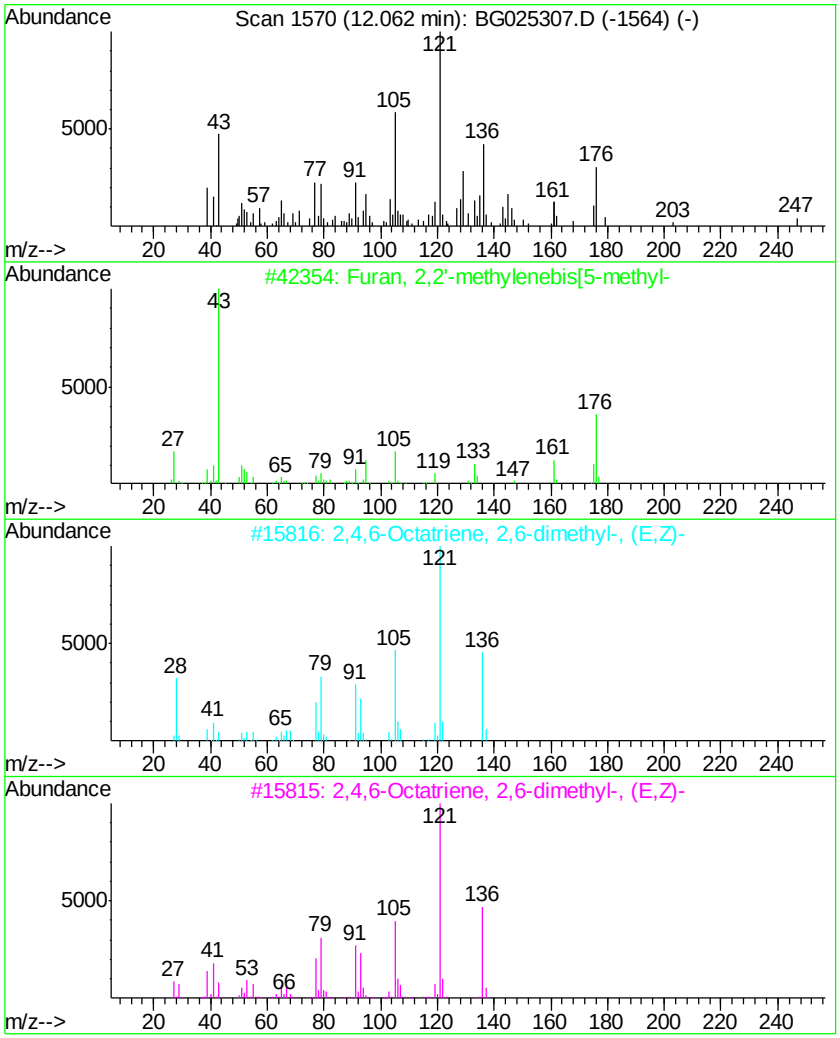
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

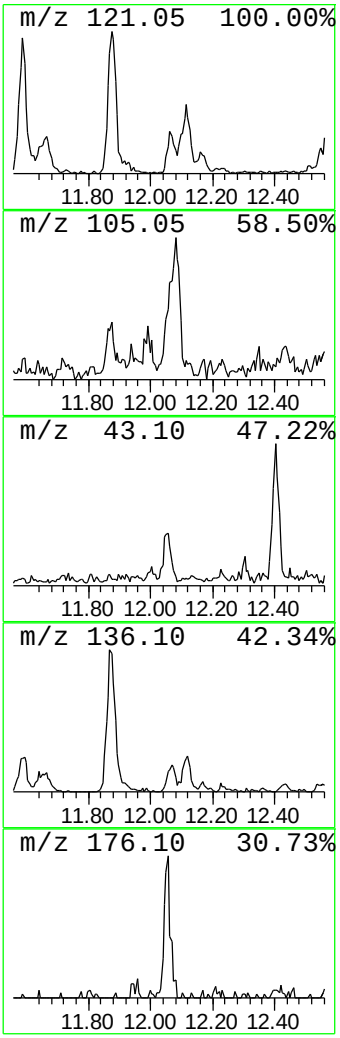
**********

Peak Number 20 unknown-03 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.06 | 7.18 ng/ul | 223319 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, 2,2'-methylenebis[5-methyl- | 176 | C11H12O2 | 013679-43-1 | 41 |
| 2 | 2,4,6-Octatriene, 2,6-dimethyl-,... | 136 | C10H16 | 007216-56-0 | 35 |
| 3 | 2,4,6-Octatriene, 2,6-dimethyl-,... | 136 | C10H16 | 007216-56-0 | 35 |
| 4 | 2,4,6-Octatriene, 3,4-dimethyl- | 136 | C10H16 | 057396-75-5 | 35 |
| 5 | 2-Ethylphenol, methyl ether | 136 | C9H12O | 1000333-44-2 | 35 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

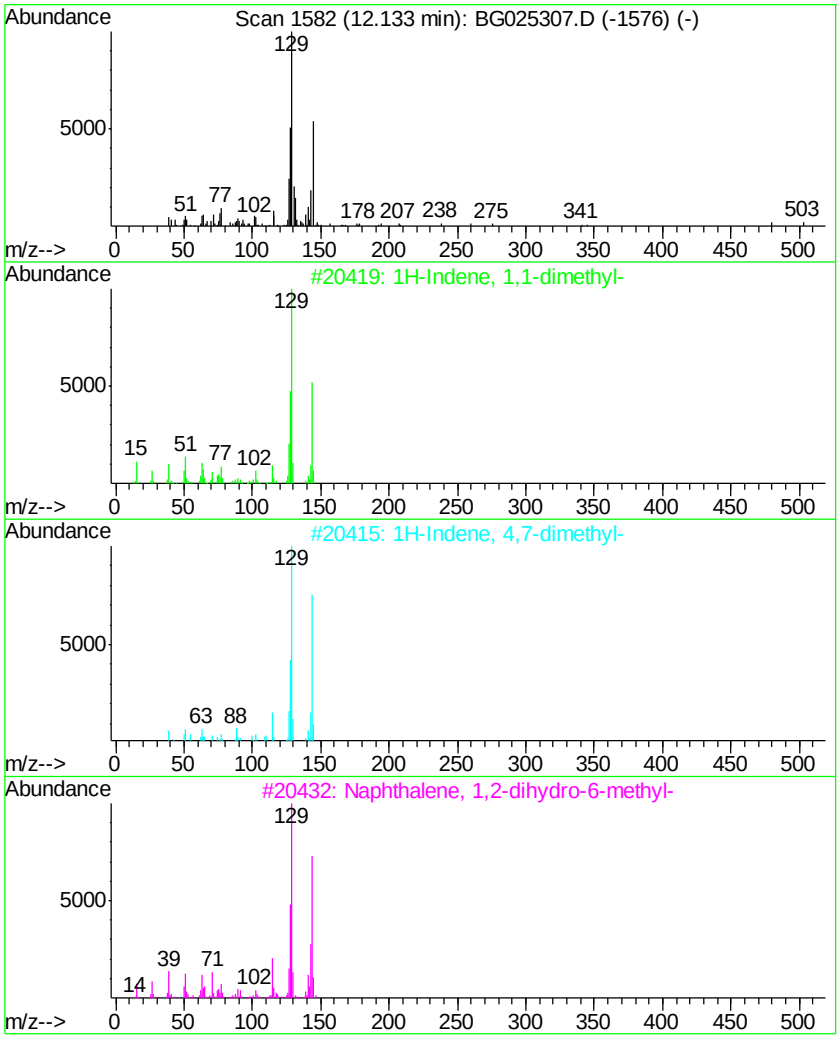
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

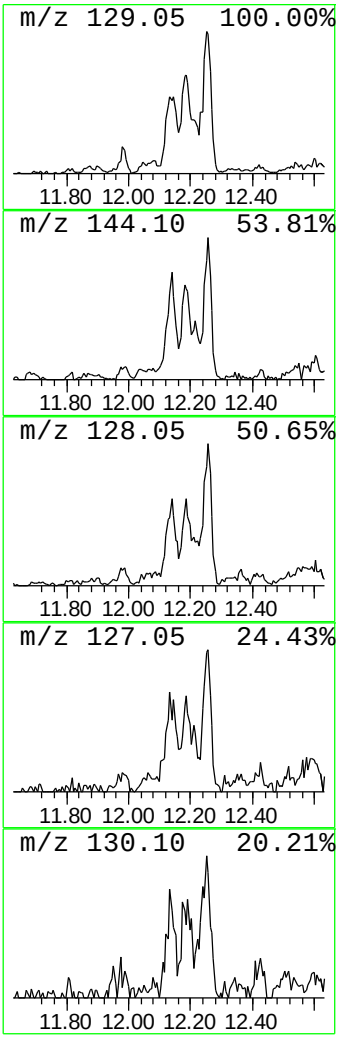
**********

Peak Number 21 1H-Indene, 1,1-dimethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.13 | 6.17 ng/ul | 191859 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 80 |
| 2 | 1H-Indene, 4,7-dimethyl- | 144 | C11H12 | 006974-97-6 | 78 |
| 3 | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12 | 002717-47-7 | 74 |
| 4 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 72 |
| 5 | 1H-Indene, 2,3-dimethyl- | 144 | C11H12 | 004773-82-4 | 72 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

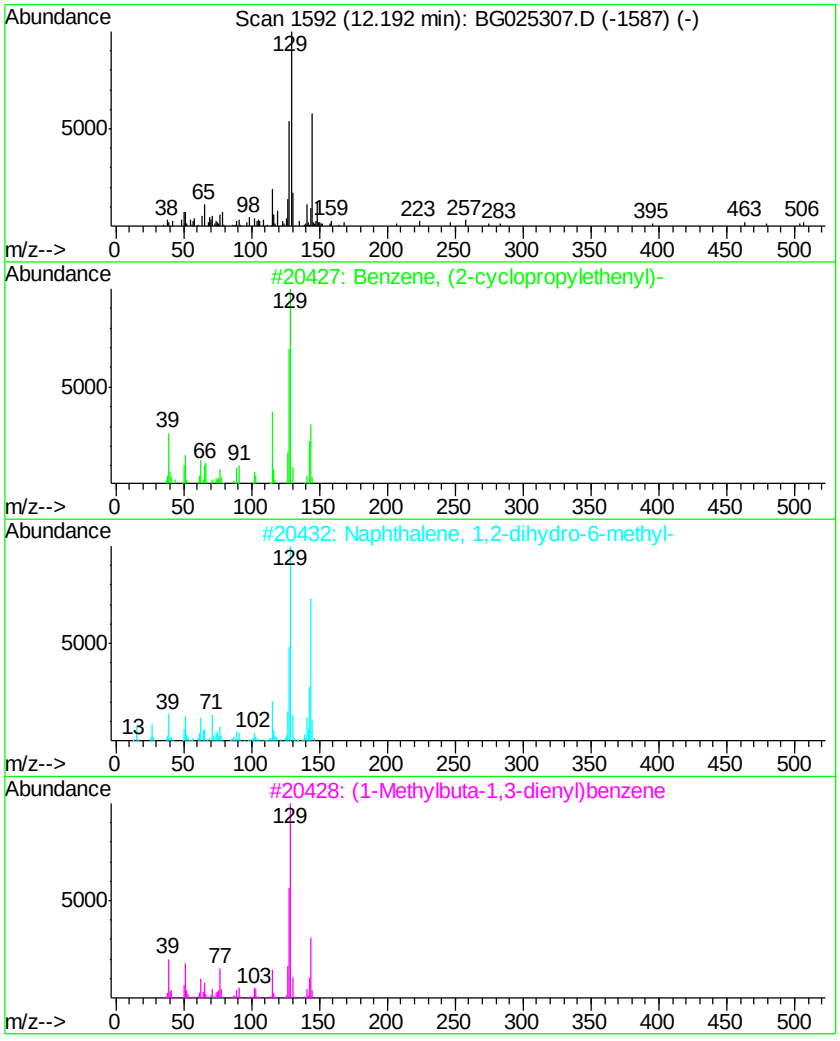
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

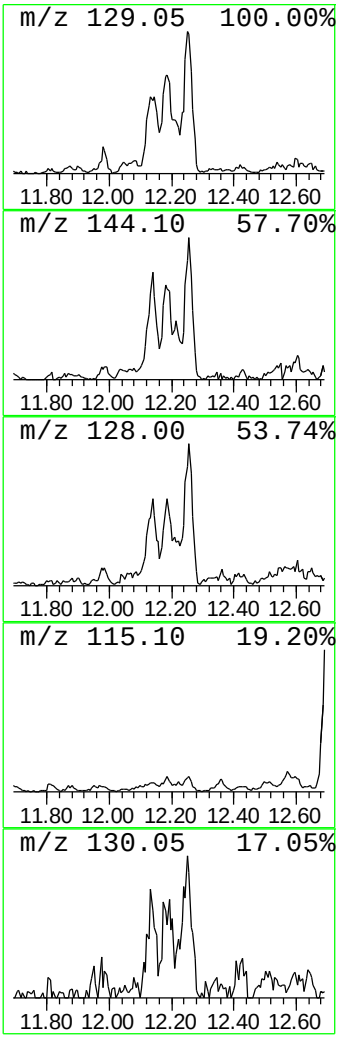
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, (2-cyclopropylethe... Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.19 | 3.06 ng/ul | 95236 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-cyclopropylethenyl)- | 144 | C11H12 | 1000142-01-6 | 83 |
| 2 | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12 | 002717-47-7 | 83 |
| 3 | (1-Methylbuta-1,3-dienyl)benzene | 144 | C11H12 | 054758-36-0 | 81 |
| 4 | 1H-Cyclopropa[b]naphthalene, 1a,... | 144 | C11H12 | 006571-72-8 | 80 |
| 5 | 1H-Indene, 1,3-dimethyl- | 144 | C11H12 | 002177-48-2 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

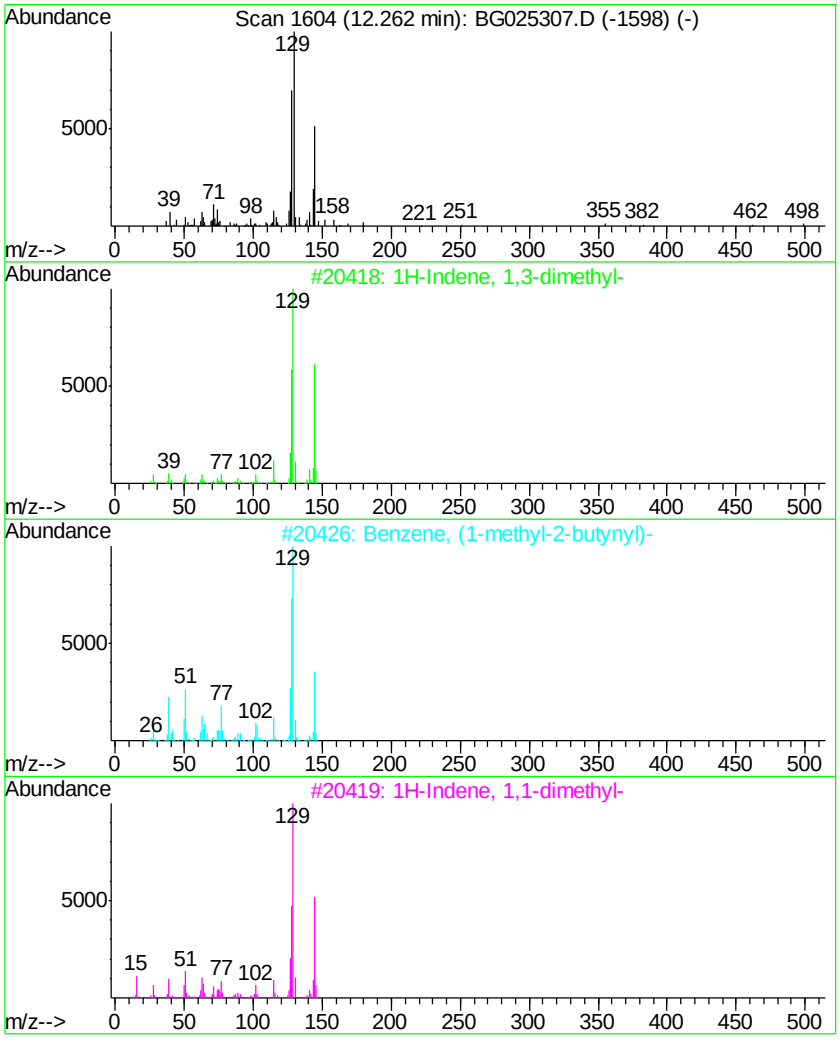
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

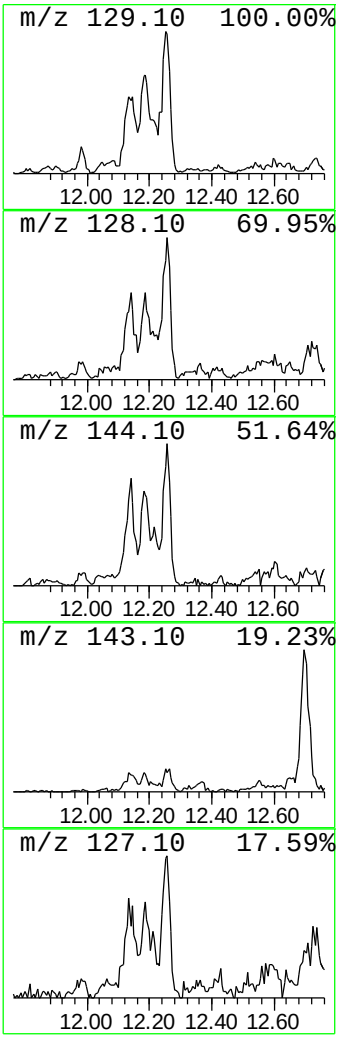
**********

Peak Number 23 1H-Indene, 1,3-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.26 | 8.77 ng/ul | 272846 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1,3-dimethyl- | 144 | C11H12 | 002177-48-2 | 95 |
| 2 | Benzene, (1-methyl-2-butynyl)- | 144 | C11H12 | 087712-69-4 | 90 |
| 3 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 87 |
| 4 | 1H-Indene, 2,3-dimethyl- | 144 | C11H12 | 004773-82-4 | 83 |
| 5 | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12 | 002717-47-7 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

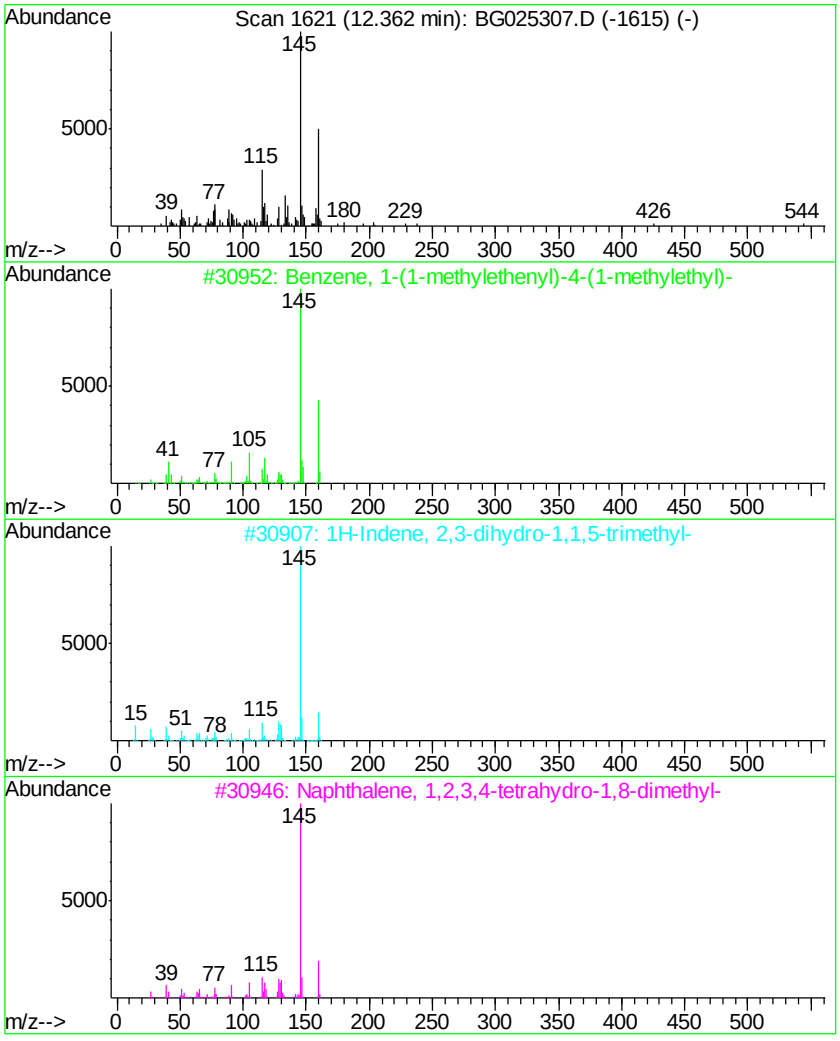
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

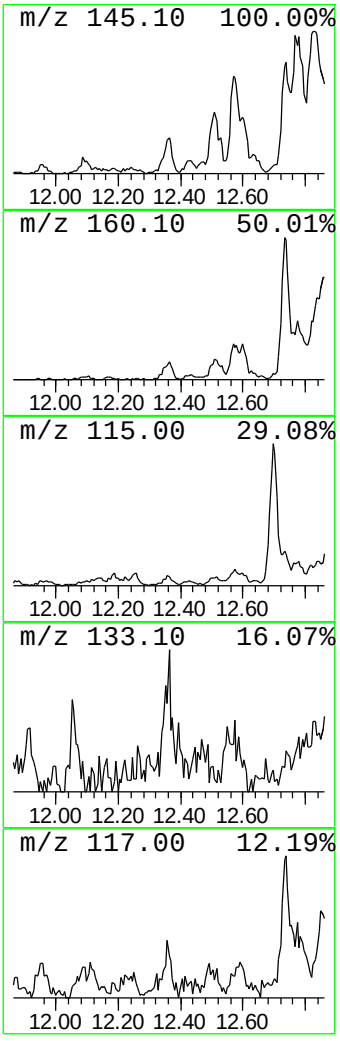
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, 1-(1-methylethenyl... Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 3.62 ng/ul | 112539 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(1-methylethenyl)-4-(... | 160 | C12H16 | 002388-14-9 | 74 |
| 2 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 74 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 025419-33-4 | 72 |
| 4 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 72 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

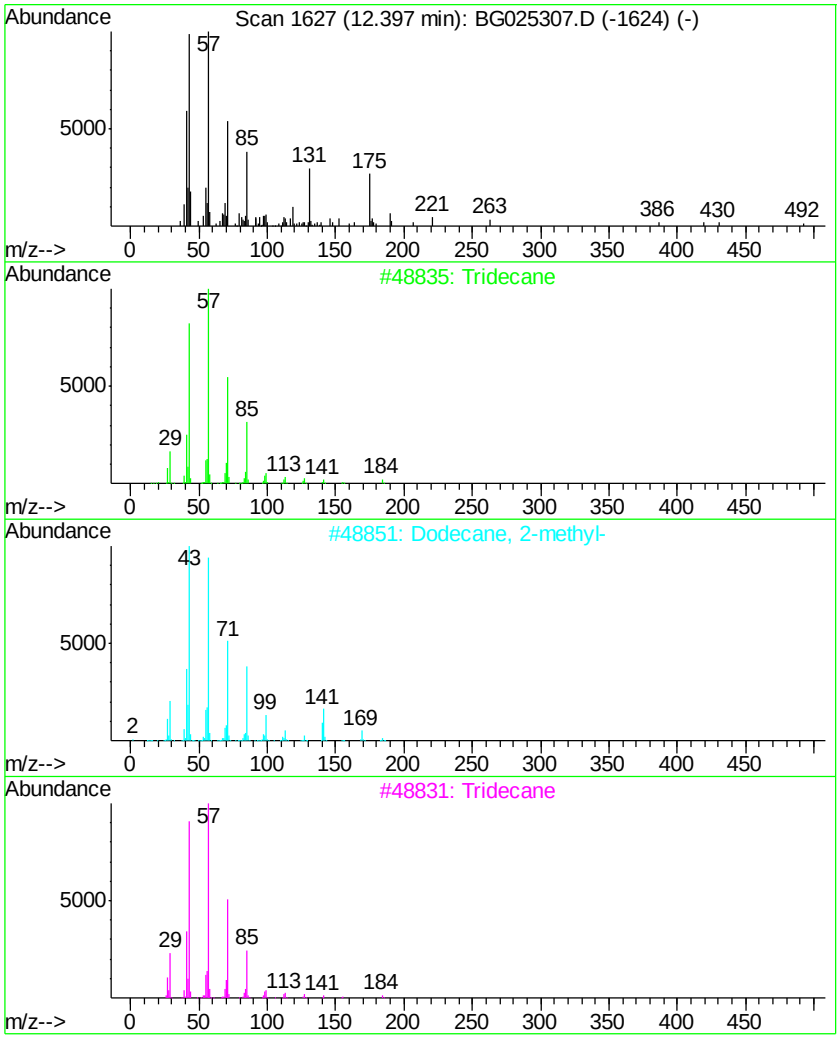
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

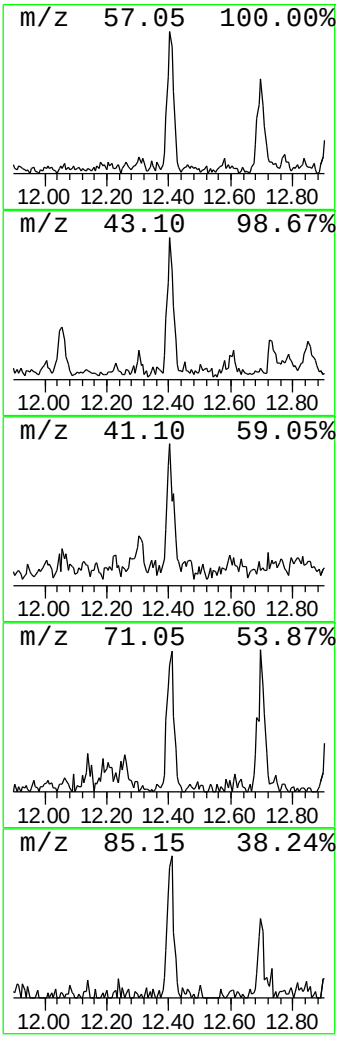
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.40 | 8.25 ng/ul | 256655 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 46 |
| 2 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 46 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 41 |
| 4 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 35 |
| 5 | Sulfurous acid, 2-propyl tetrade... | 320 | C17H36O3S | 1000309-12-5 | 35 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

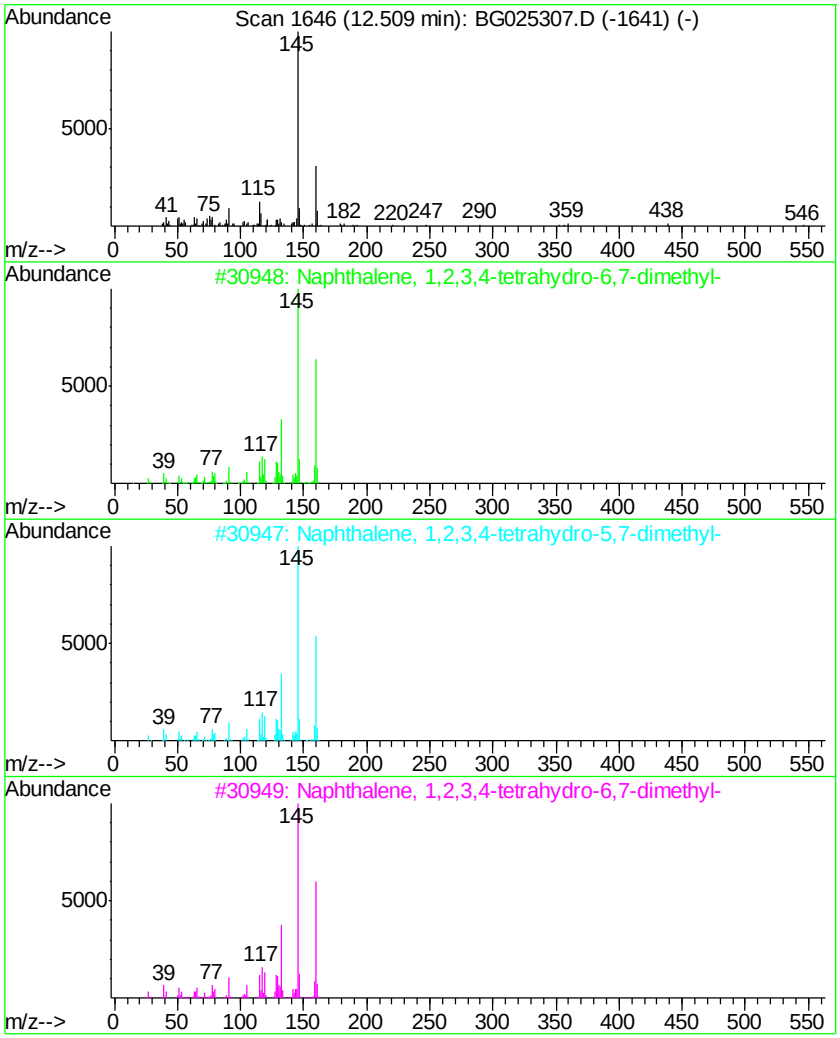
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

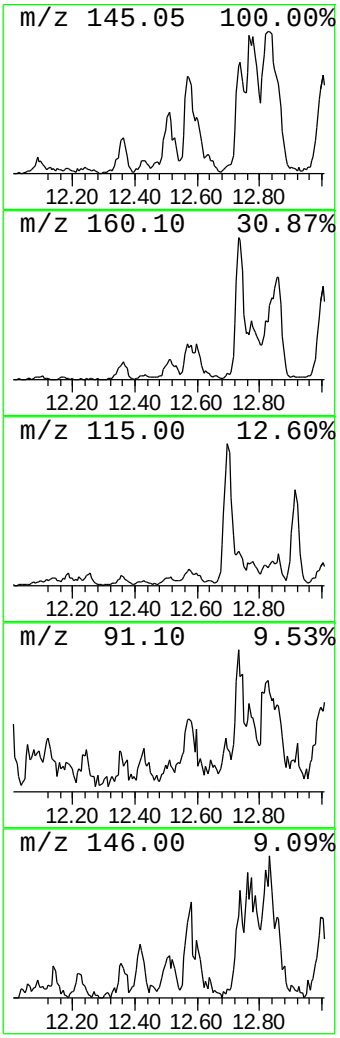
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.51 | 4.94 ng/ul | 153782 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 86 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 86 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 86 |
| 4 | Ethanone, 1-[4-(1-methylethenyl)... | 160 | C11H12O | 005359-04-6 | 81 |
| 5 | Ethanone, 1-(2,3-dihydro-1H-inde... | 160 | C11H12O | 004228-10-8 | 81 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

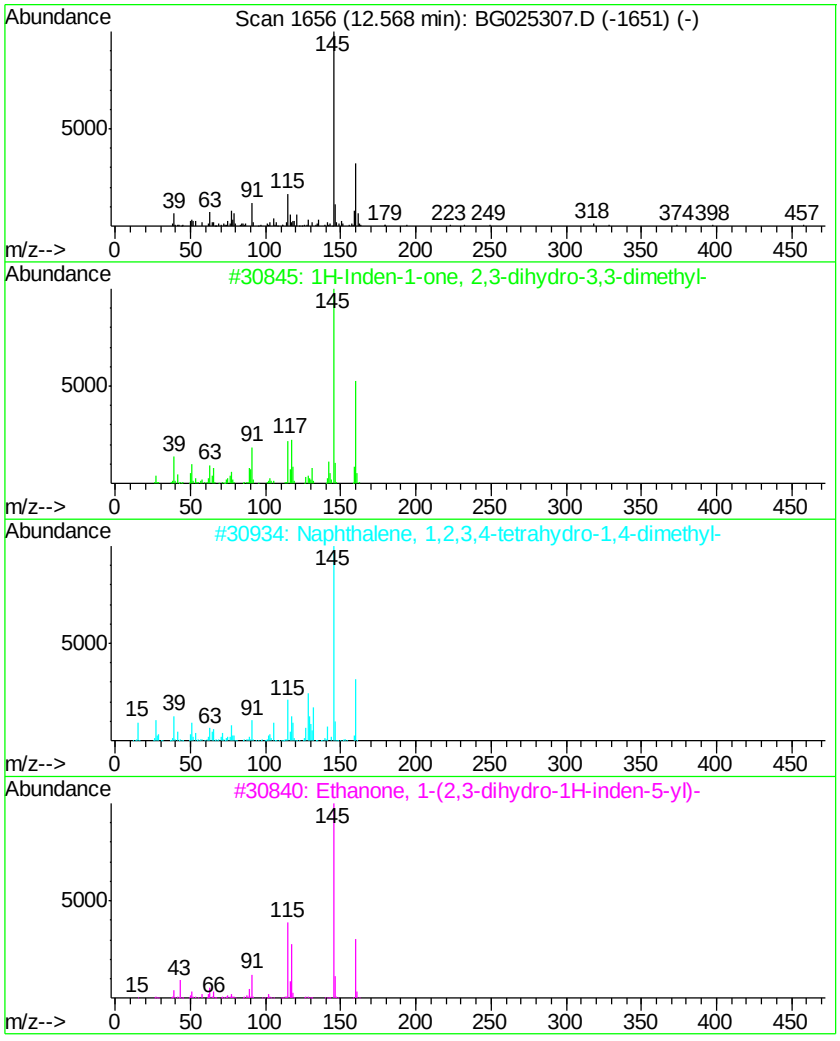
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

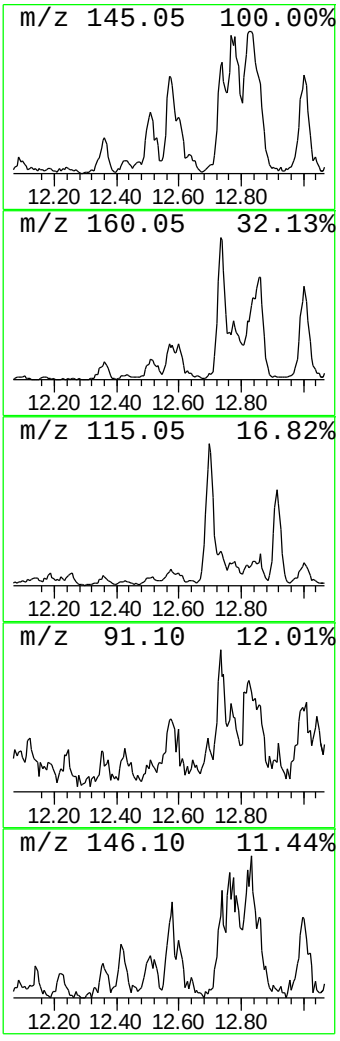
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.57 | 6.85 ng/ul | 213144 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro-3,3-... | 160 | C11H12O | 026465-81-6 | 78 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 72 |
| 3 | Ethanone, 1-(2,3-dihydro-1H-inde... | 160 | C11H12O | 004228-10-8 | 68 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 64 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

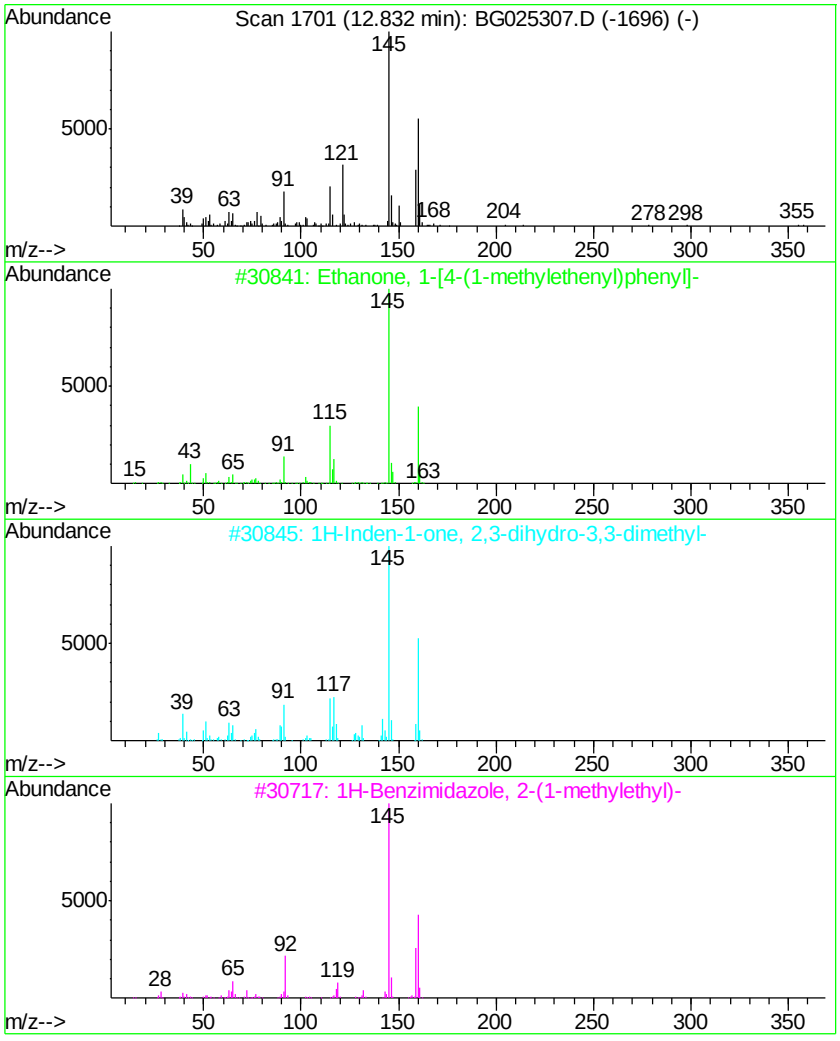
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

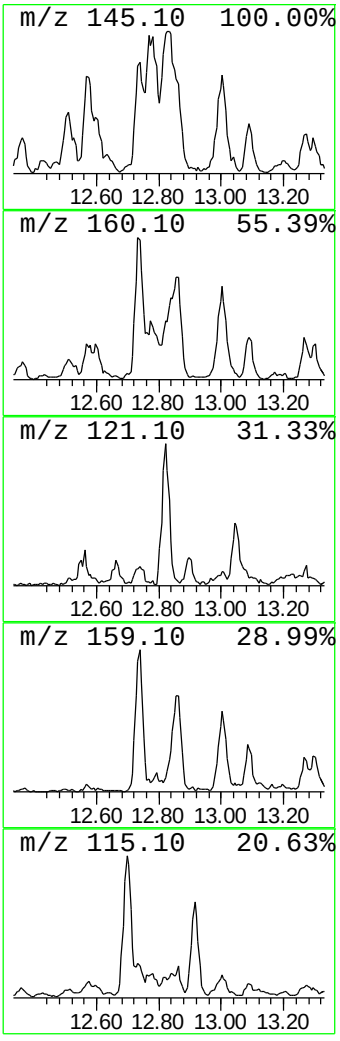
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Ethanone, 1-[4-(1-methyleth... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.83 | 8.62 ng/ul | 268253 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-[4-(1-methylethenyl)... | 160 | C11H12O | 005359-04-6 | 74 |
| 2 | 1H-Inden-1-one, 2,3-dihydro-3,3-... | 160 | C11H12O | 026465-81-6 | 64 |
| 3 | 1H-Benzimidazole, 2-(1-methyleth... | 160 | C10H12N2 | 005851-43-4 | 59 |
| 4 | 1H-Benzimidazole, 2-(1-methyleth... | 160 | C10H12N2 | 005851-43-4 | 59 |
| 5 | Silane, methyltripropynyl- | 160 | C10H12Si | 1000158-62-1 | 58 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

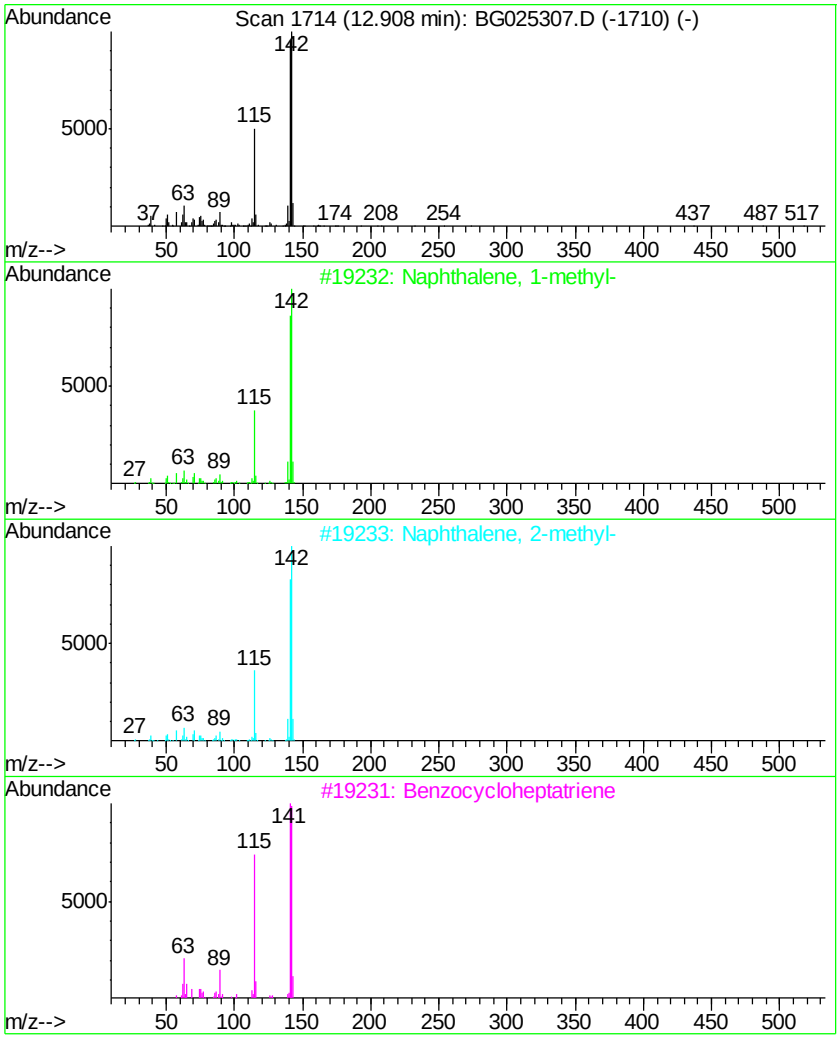
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

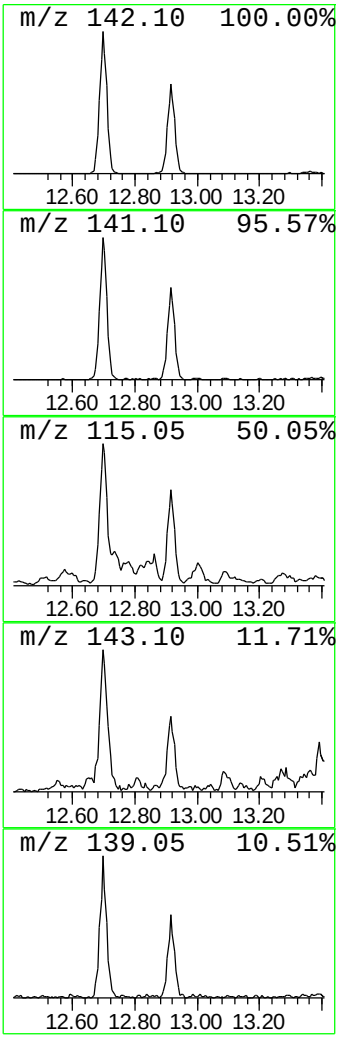
**********

Peak Number 29 Naphthalene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.91 | 26.11 ng/ul | 812211 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 95 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

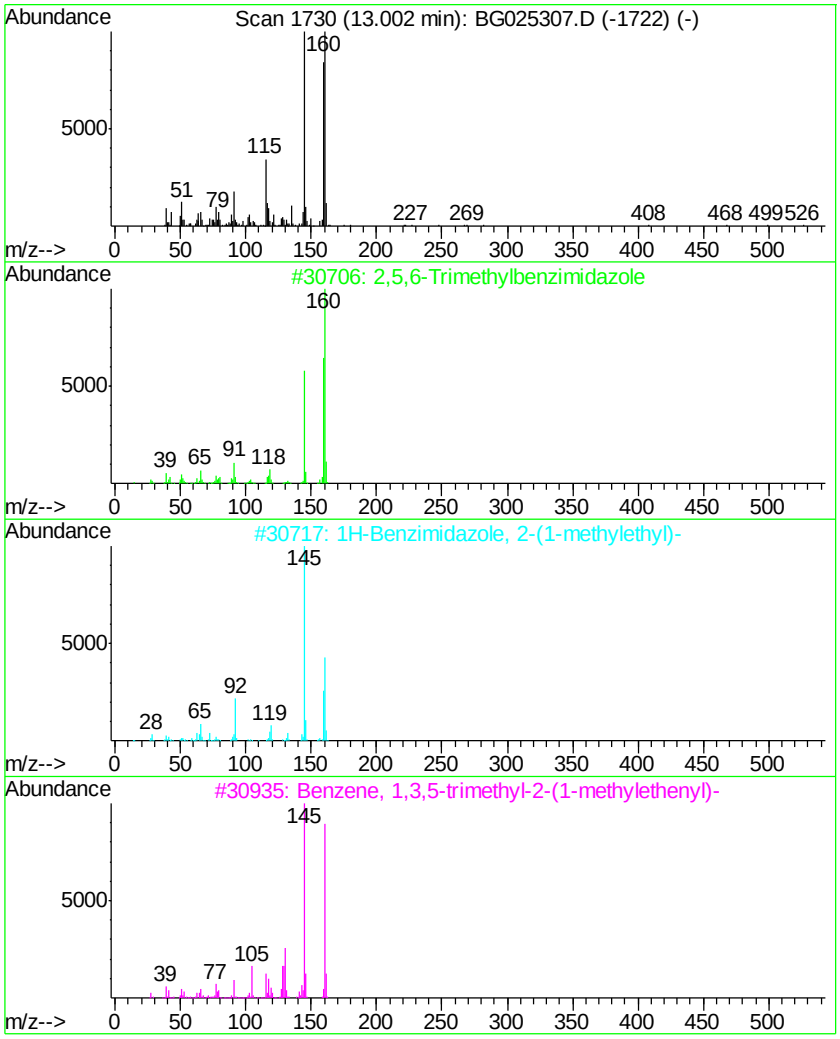
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

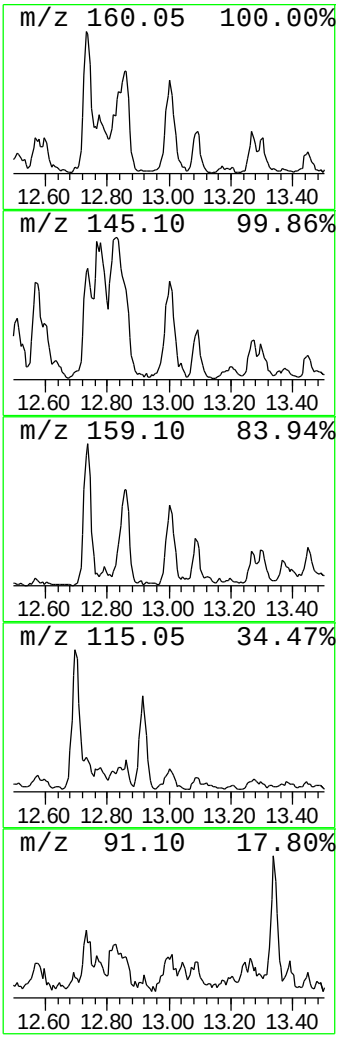
**********

Peak Number 30 2,5,6-Trimethylbenzimidazole Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.00 | 9.20 ng/ul | 526655 | Acenaphthene-d10 | 14.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5,6-Trimethylbenzimidazole | 160 | C10H12N2 | 003363-56-2 | 90 |
| 2 | 1H-Benzimidazole, 2-(1-methyleth... | 160 | C10H12N2 | 005851-43-4 | 58 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 49 |
| 4 | Ethanone, 1-(2-benzofuranyl)- | 160 | C10H8O2 | 001646-26-0 | 46 |
| 5 | Thiophene, 3-phenyl- | 160 | C10H8S | 002404-87-7 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

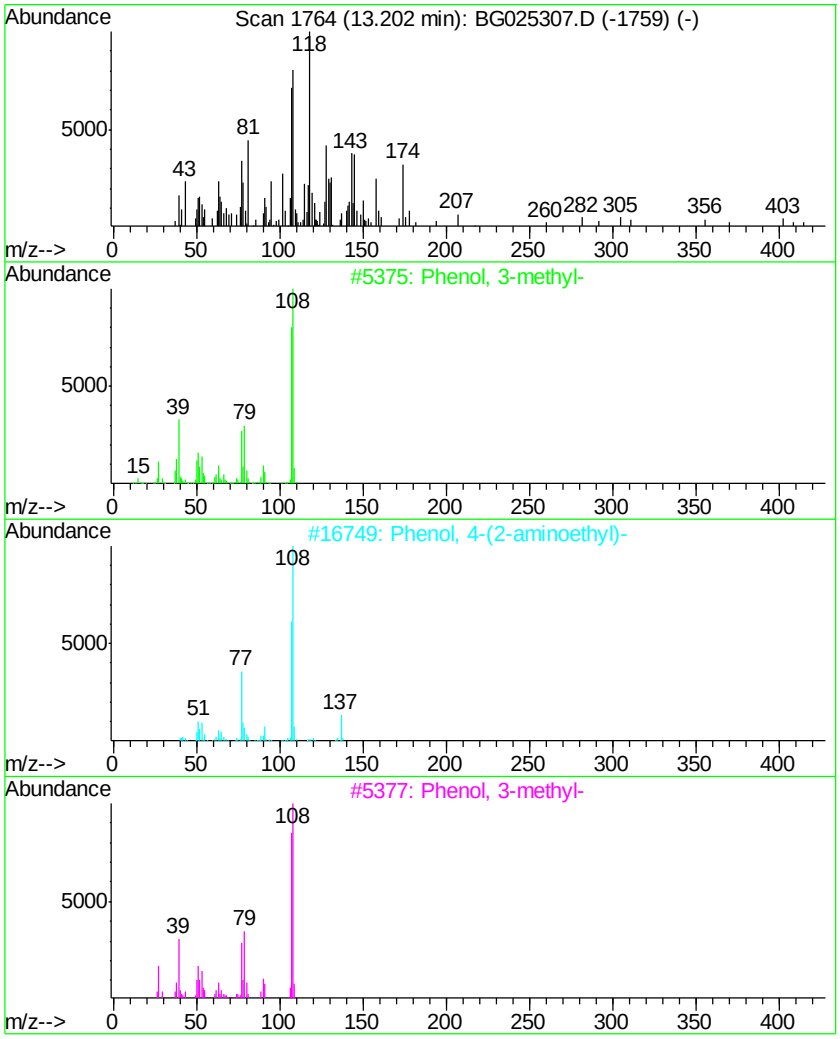
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

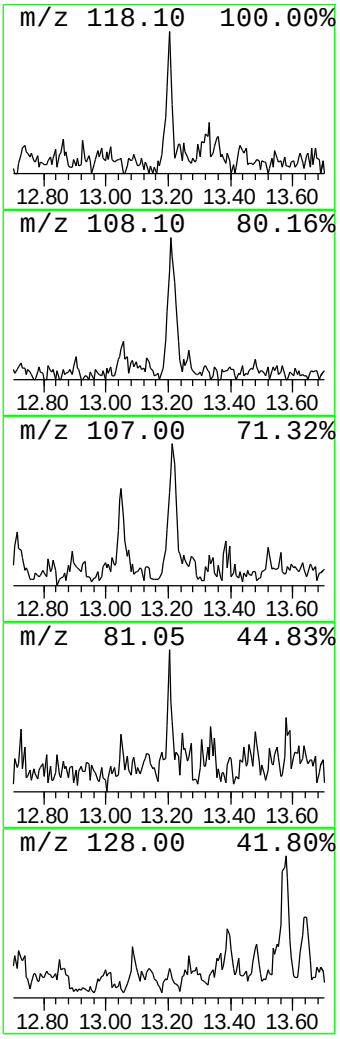
**********

Peak Number 32 unknown-04 Concentration Rank 65

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.20 | 2.18 ng/ul | 124854 | Acenaphthene-d10 | 14.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-methyl- | 108 | C7H8O | 000108-39-4 | 30 |
| 2 | Phenol, 4-(2-aminoethyl)- | 137 | C8H11NO | 000051-67-2 | 25 |
| 3 | Phenol, 3-methyl- | 108 | C7H8O | 000108-39-4 | 25 |
| 4 | Acetonitrile, 2-[4-(cyanomethyl)... | 145 | C8H7N3 | 1000197-65-1 | 18 |
| 5 | 2,5-Dimethylbenzyl cyanide | 145 | C10H11N | 016213-85-7 | 15 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

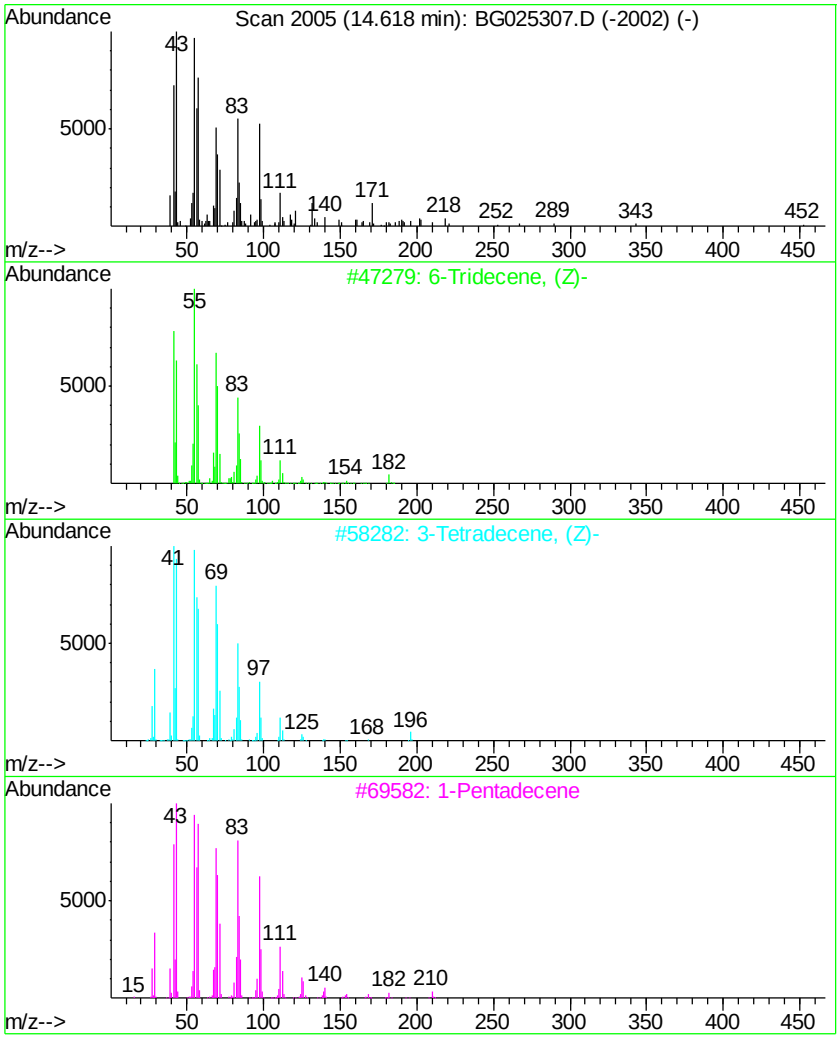
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

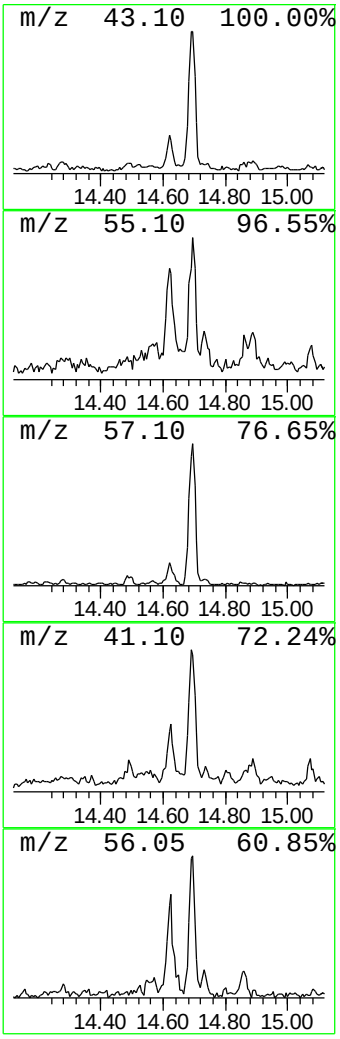
**********

Peak Number 46 (DEL) Alkane: Cyclic14.62 Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.62 | 3.07 ng/ul | 175636 | Acenaphthene-d10 | 14.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Tridecene, (Z)- | 182 | C13H26 | 006508-77-6 | 96 |
| 2 | 3-Tetradecene, (Z)- | 196 | C14H28 | 041446-67-7 | 92 |
| 3 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 83 |
| 4 | 1-Tridecene | 182 | C13H26 | 002437-56-1 | 76 |
| 5 | Cetene | 224 | C16H32 | 000629-73-2 | 68 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

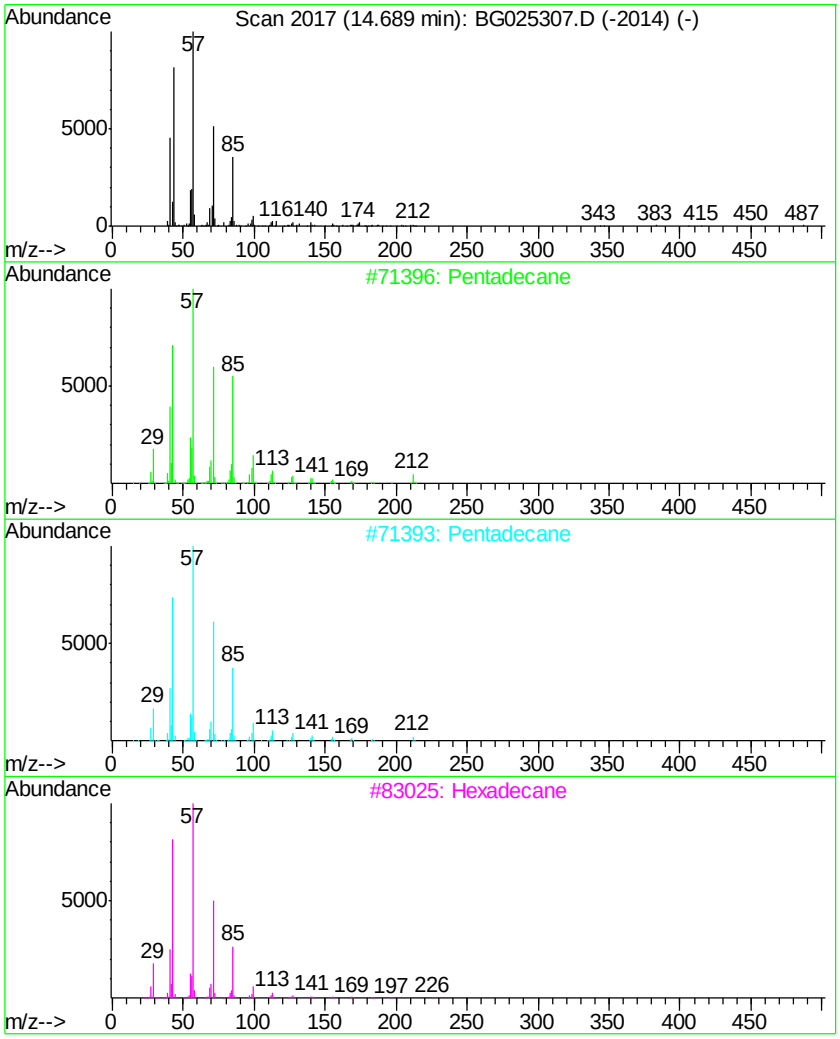
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

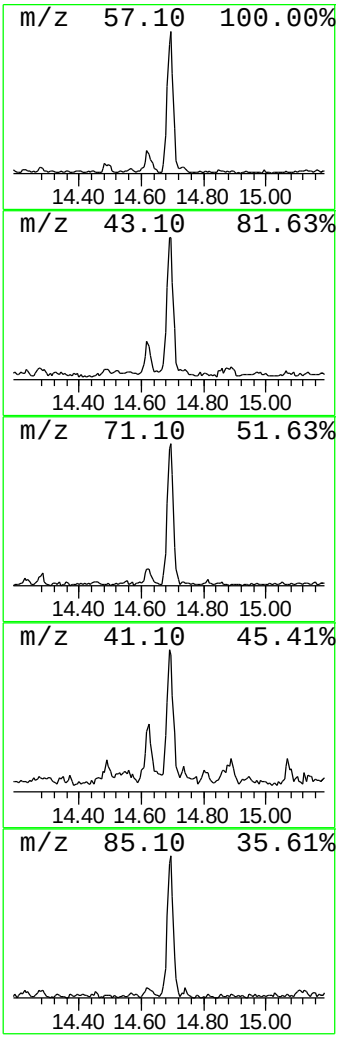
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 7.79 ng/ul | 445834 | Acenaphthene-d10 | 14.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 86 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

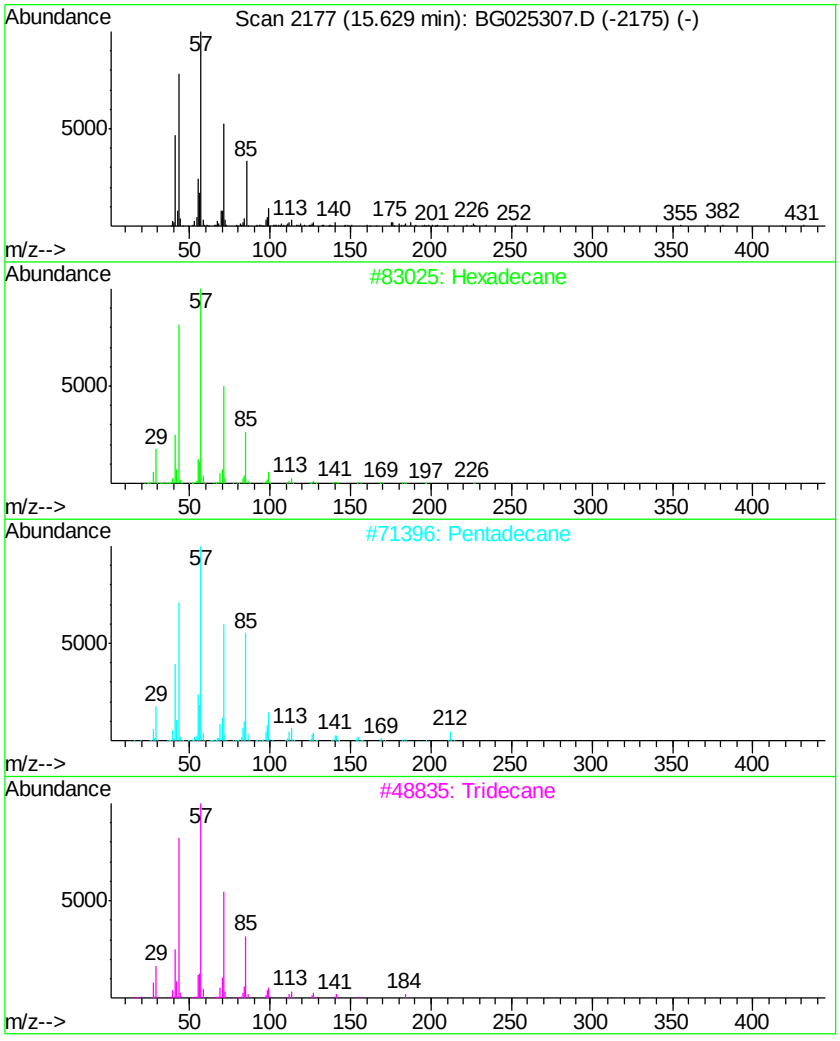
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

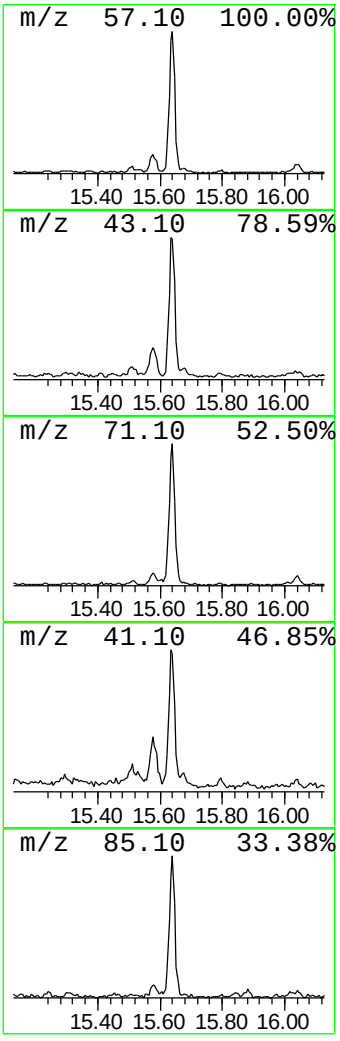
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.63 | 10.77 ng/ul | 616305 | Acenaphthene-d10 | 14.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

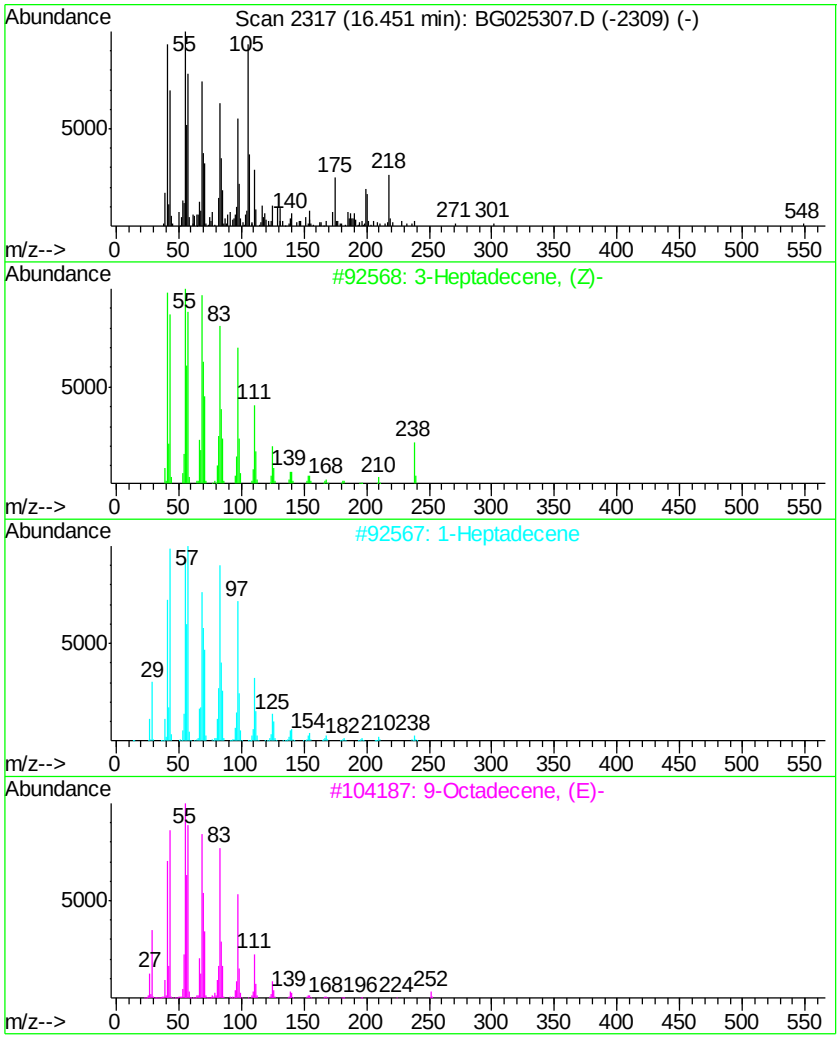
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

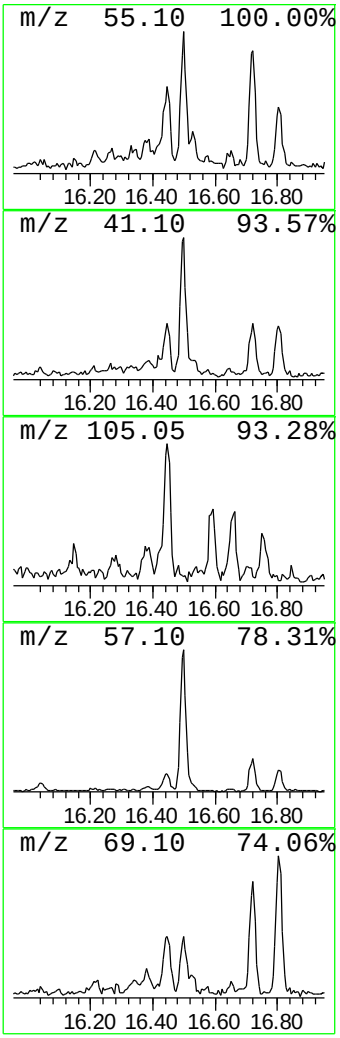
**********

Peak Number 52 (DEL) Alkane: Cyclic16.45 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.45 | 6.20 ng/ul | 386712 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptadecene, (Z)- | 238 | C17H34 | 1000141-67-3 | 94 |
| 2 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 89 |
| 3 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 76 |
| 4 | 5-Octadecene, (E)- | 252 | C18H36 | 007206-21-5 | 70 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 68 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

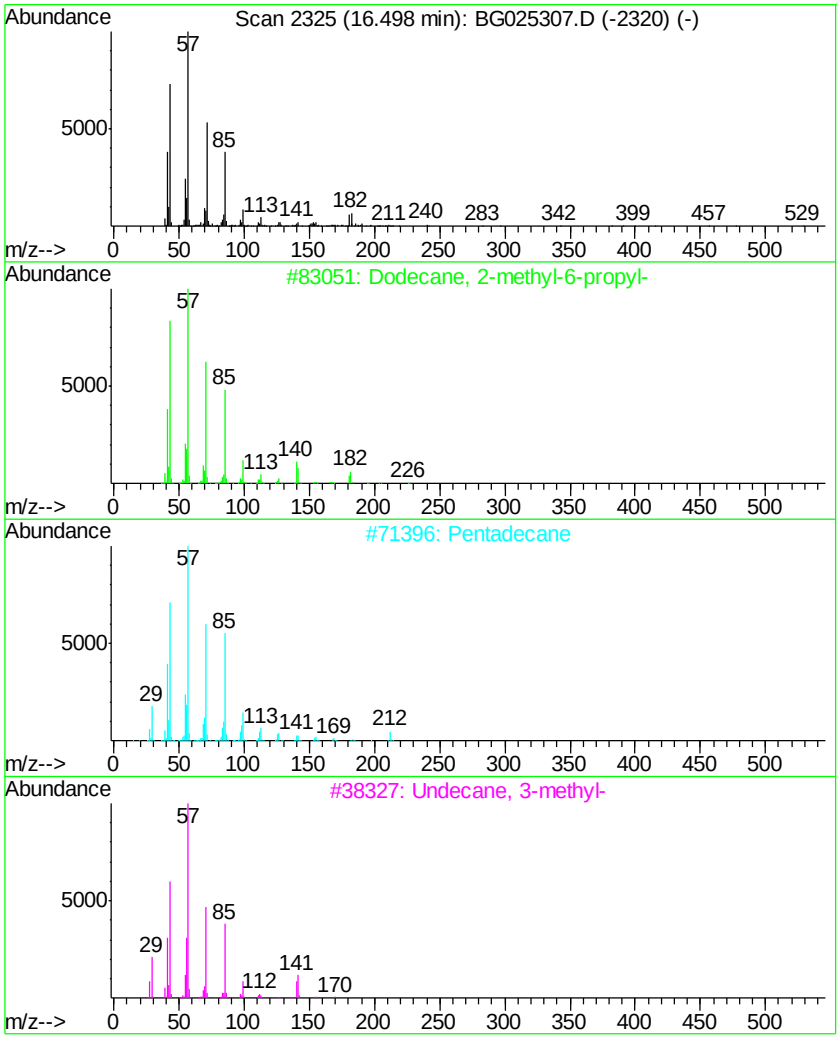
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

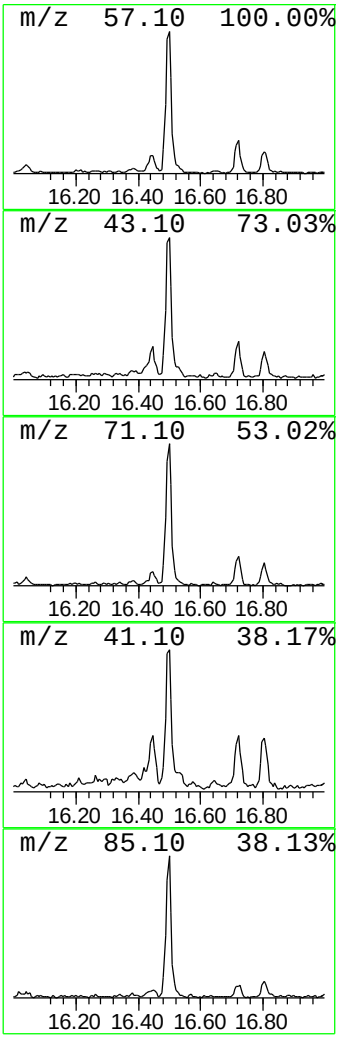
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 12.57 ng/ul | 783369 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 3 | Undecane, 3-methyl- | 170 | C12H26 | 001002-43-3 | 72 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 68 |
| 5 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

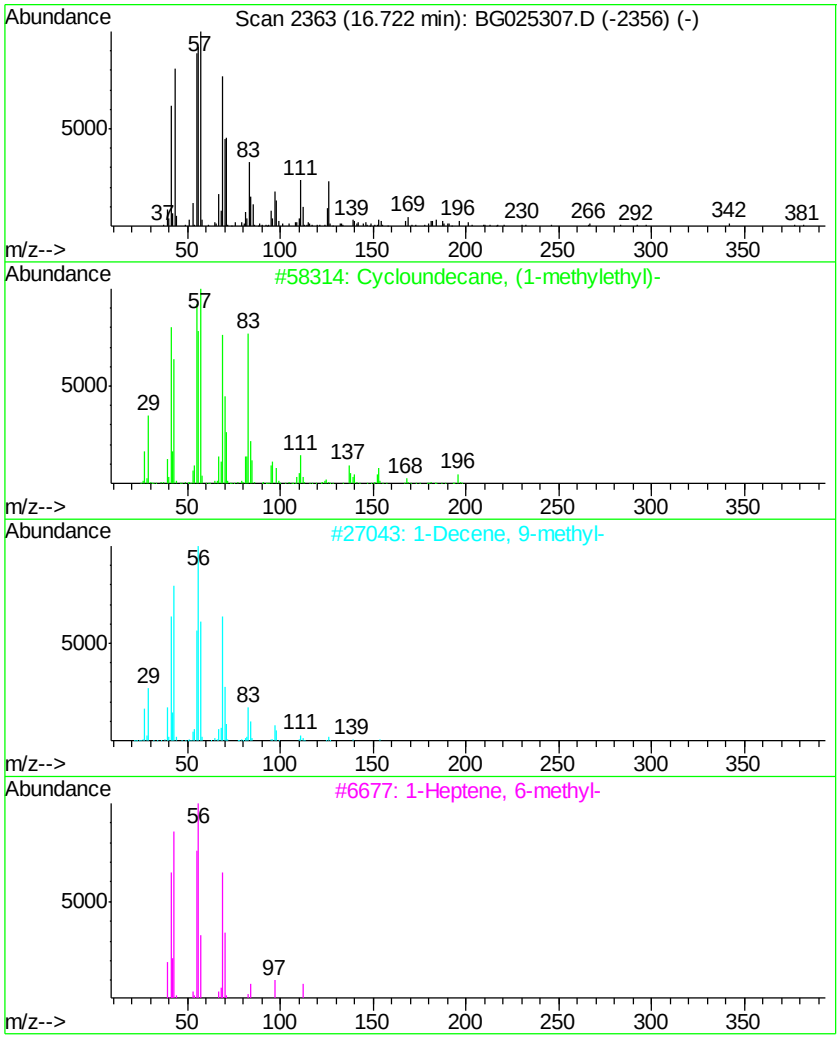
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

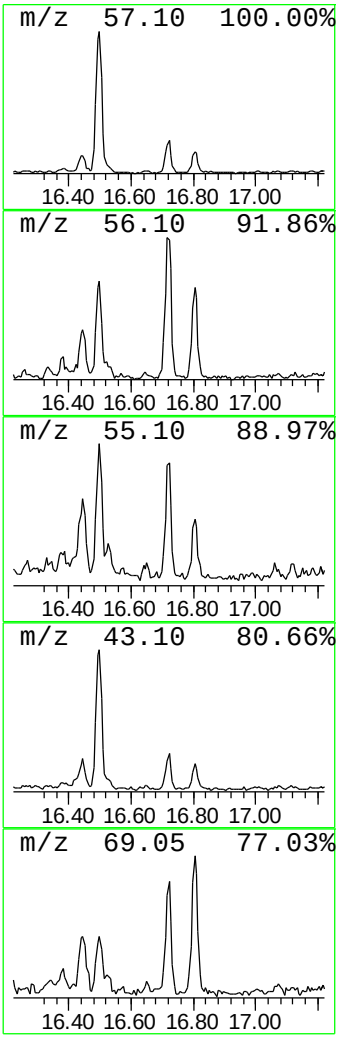
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 5.82 ng/ul | 362577 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloundecane, (1-methylethyl)- | 196 | C14H28 | 062338-56-1 | 58 |
| 2 | 1-Decene, 9-methyl- | 154 | C11H22 | 061142-78-7 | 58 |
| 3 | 1-Heptene, 6-methyl- | 112 | C8H16 | 005026-76-6 | 58 |
| 4 | 6-Tridecene, 7-methyl- | 196 | C14H28 | 024949-42-6 | 49 |
| 5 | Cyclohexane, 1,2,3-trimethyl- | 126 | C9H18 | 001678-97-3 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

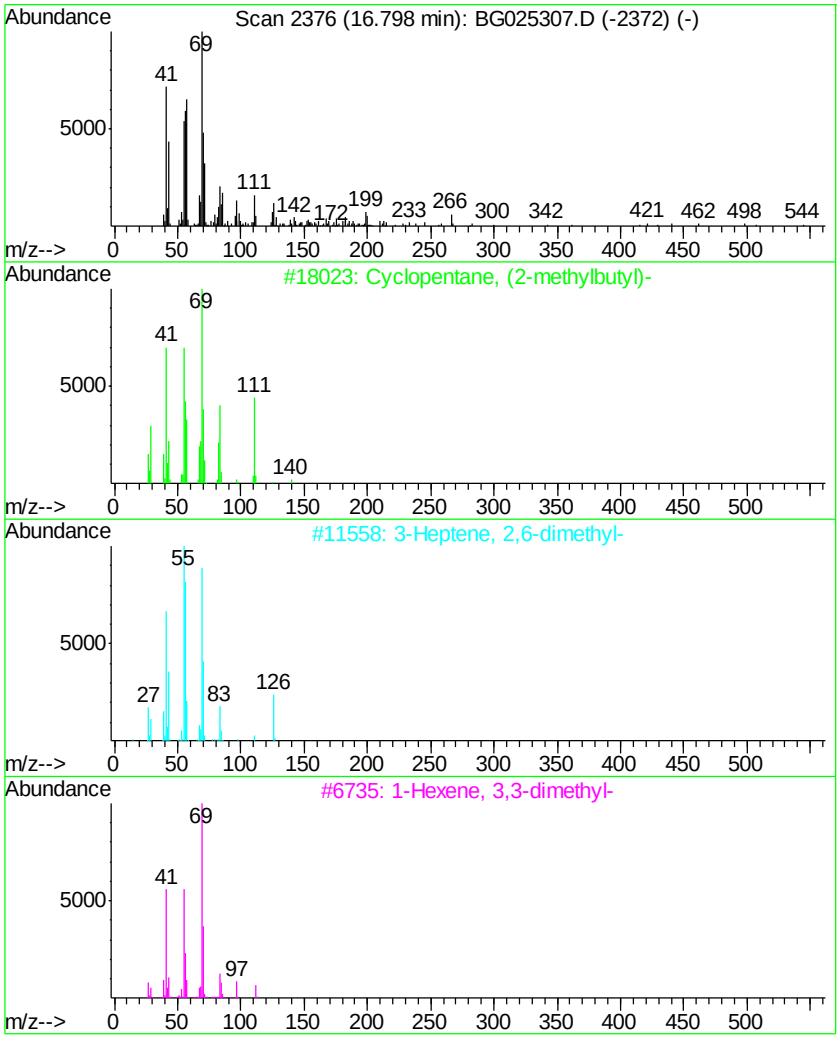
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

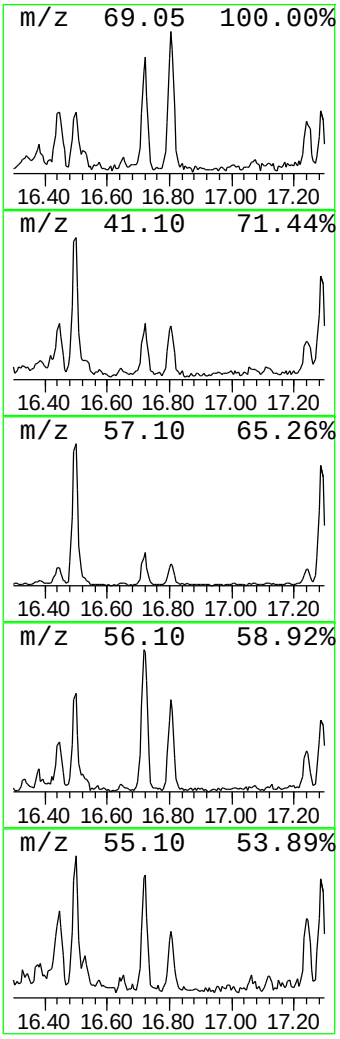
**********

Peak Number 55 (DEL) Alkane: Cyclic16.80 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.80 | 5.58 ng/ul | 347960 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, (2-methylbutyl)- | 140 | C10H20 | 053366-38-4 | 58 |
| 2 | 3-Heptene, 2,6-dimethyl- | 126 | C9H18 | 002738-18-3 | 58 |
| 3 | 1-Hexene, 3,3-dimethyl- | 112 | C8H16 | 003404-77-1 | 49 |
| 4 | trans-2-Methyl-3-octene | 126 | C9H18 | 052937-36-7 | 49 |
| 5 | 1-Pentene, 2,3-dimethyl- | 98 | C7H14 | 003404-72-6 | 46 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

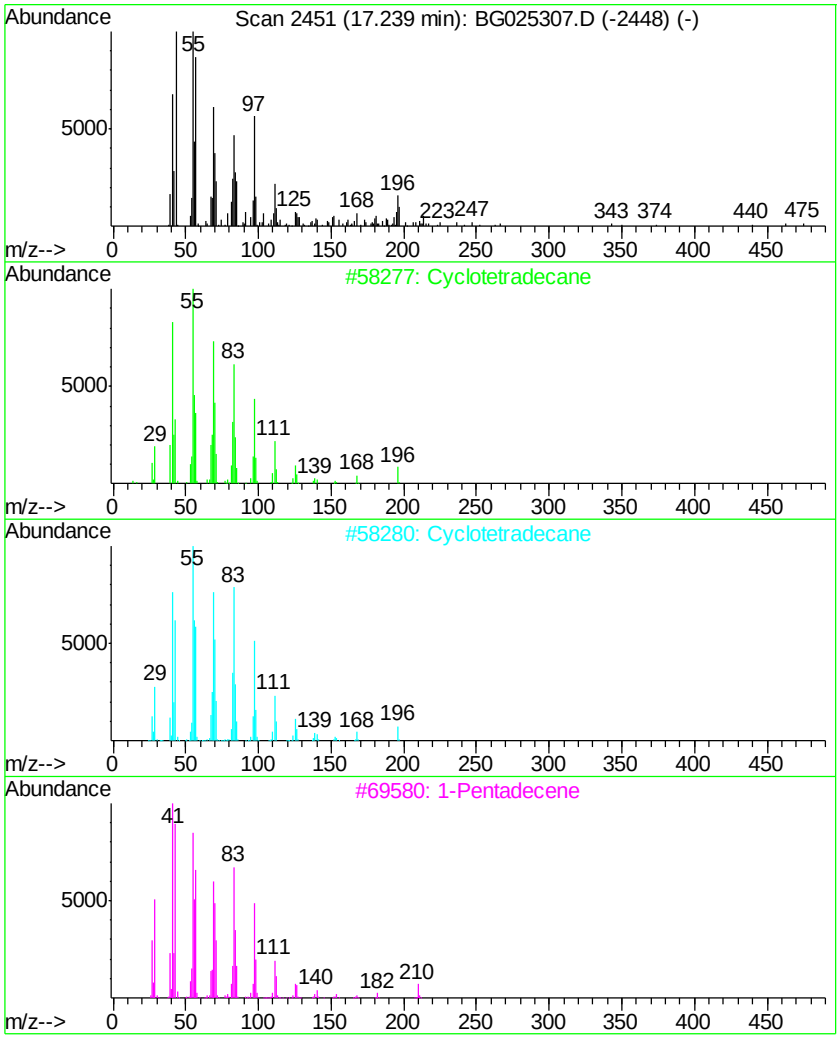
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

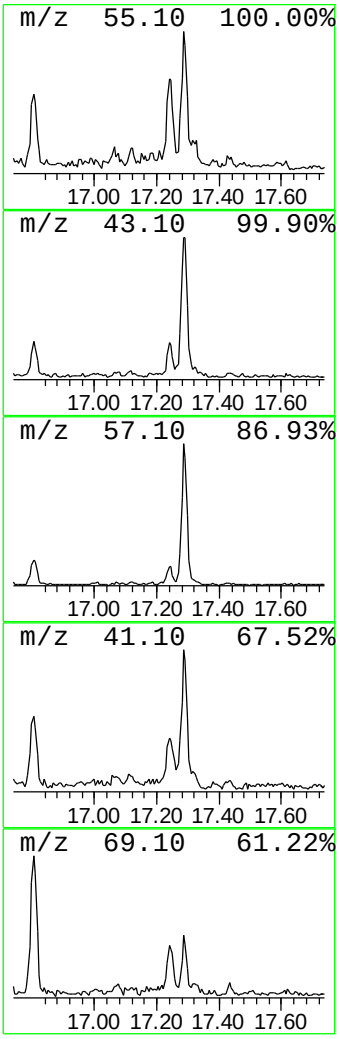
**********

Peak Number 57 (DEL) Alkane: Cyclic17.24 Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.24 | 3.55 ng/ul | 221387 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 96 |
| 2 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 89 |
| 3 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 89 |
| 4 | Cetene | 224 | C16H32 | 000629-73-2 | 87 |
| 5 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 83 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

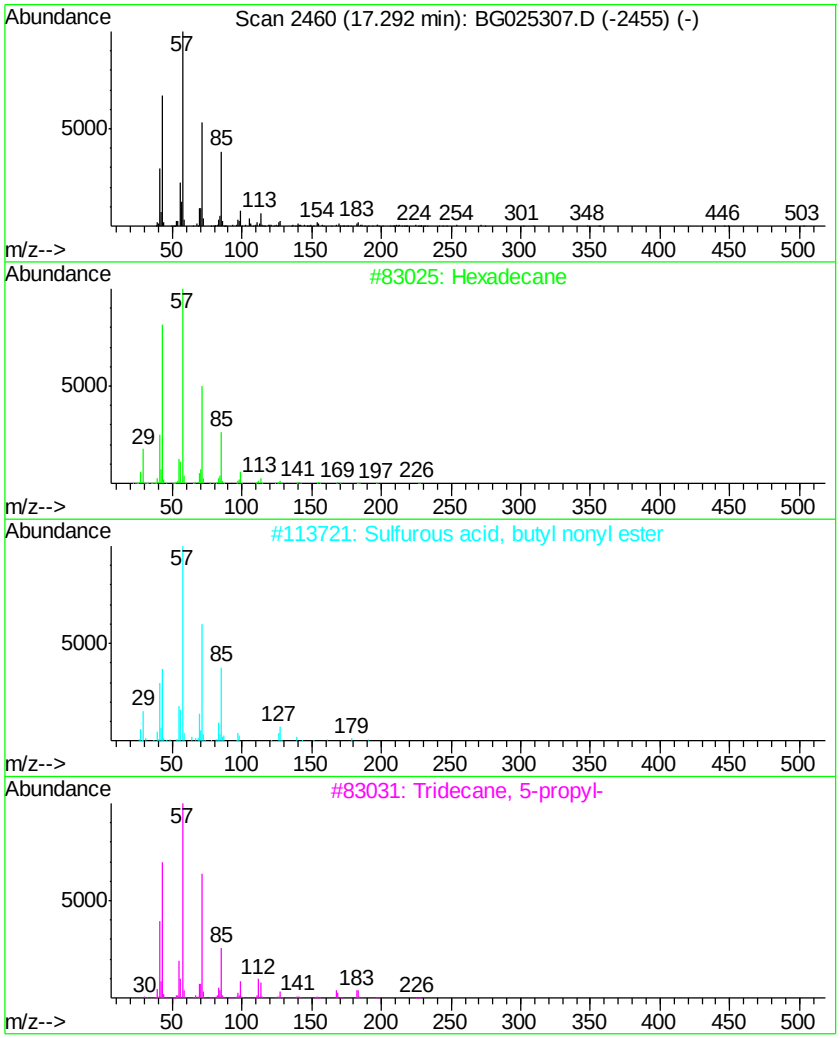
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

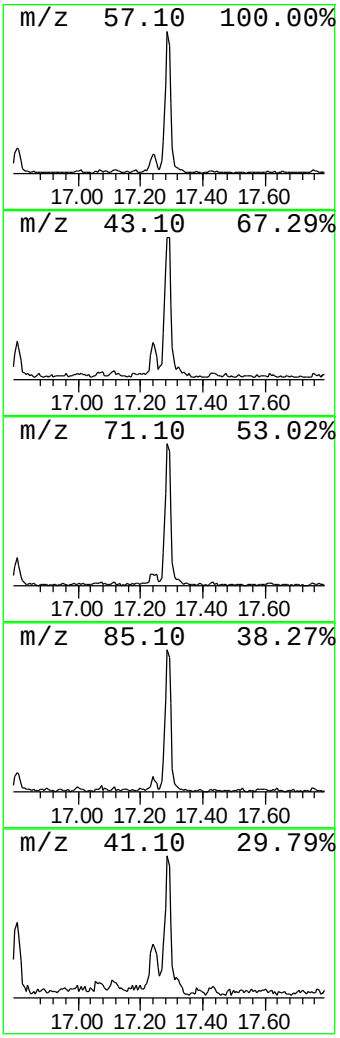
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.29 | 11.94 ng/ul | 744081 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 2 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 72 |
| 3 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 72 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 72 |
| 5 | Tetradecane, 4-ethyl- | 226 | C16H34 | 055045-14-2 | 68 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

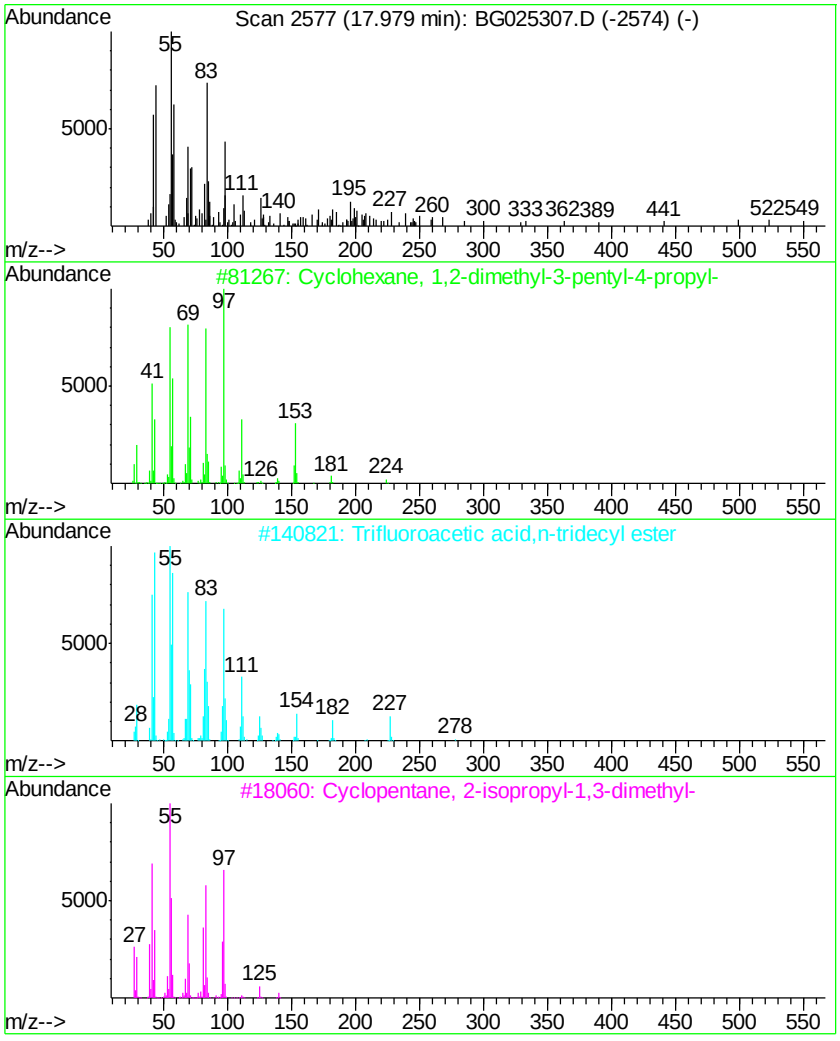
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

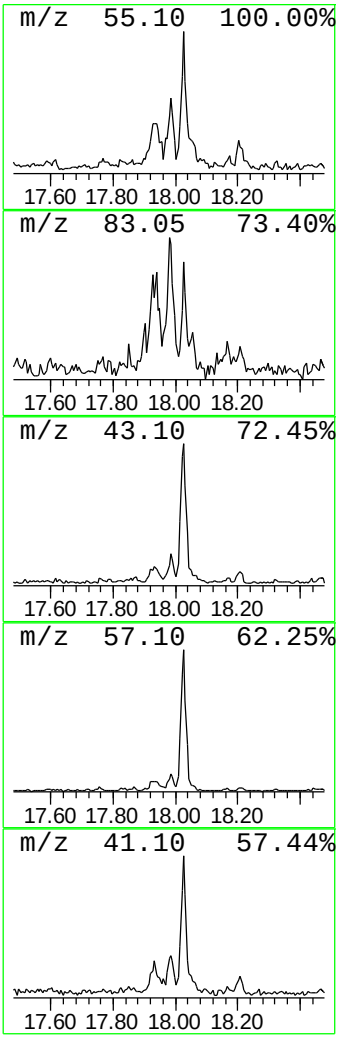
**********

Peak Number 59 (DEL) Alkane: Cyclic17.98 Concentration Rank 60

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.98 | 2.37 ng/ul | 147882 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32 | 062376-17-4 | 58 |
| 2 | Trifluoroacetic acid,n-tridecyl ... | 296 | C15H27F3O2 | 053800-02-5 | 49 |
| 3 | Cyclopentane, 2-isopropyl-1,3-di... | 140 | C10H20 | 032281-85-9 | 49 |
| 4 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 46 |
| 5 | Cetene | 224 | C16H32 | 000629-73-2 | 42 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

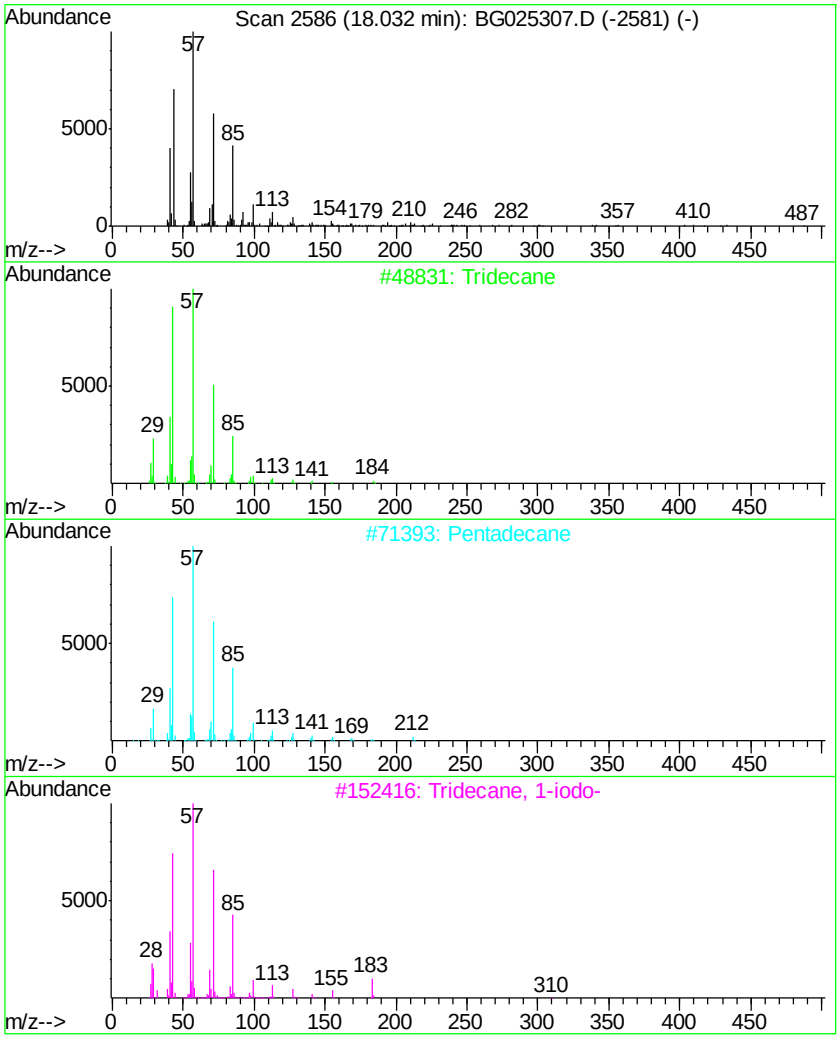
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

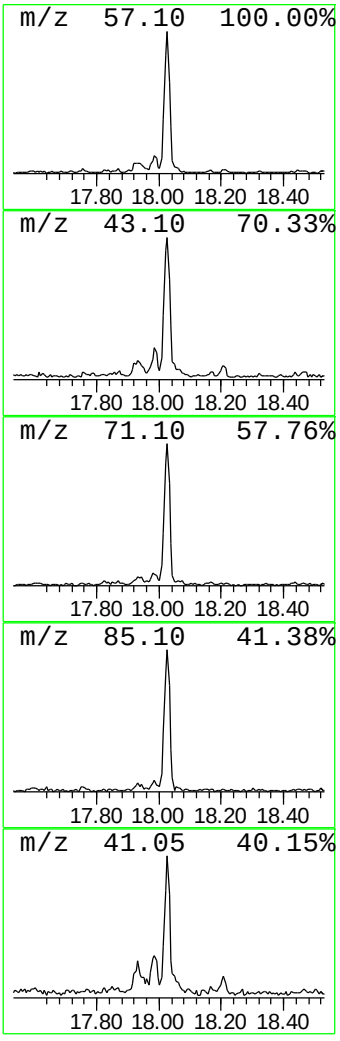
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 10.07 ng/ul | 627989 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 87 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 80 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 78 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 76 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

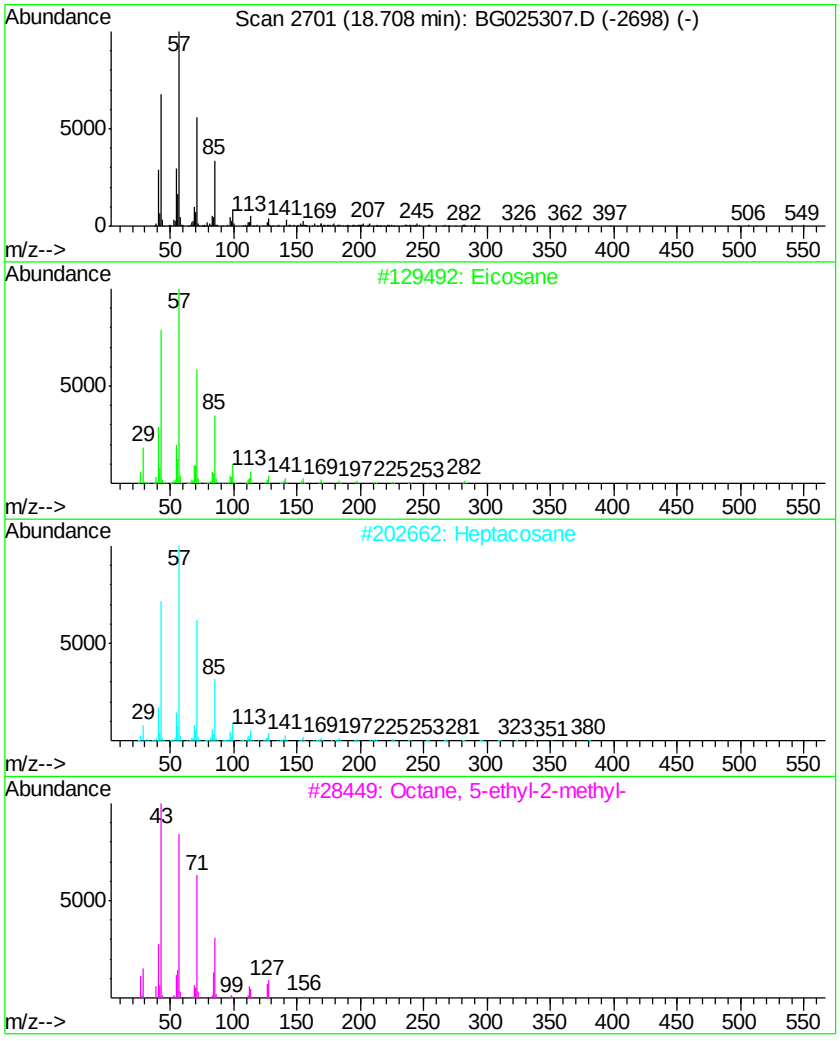
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

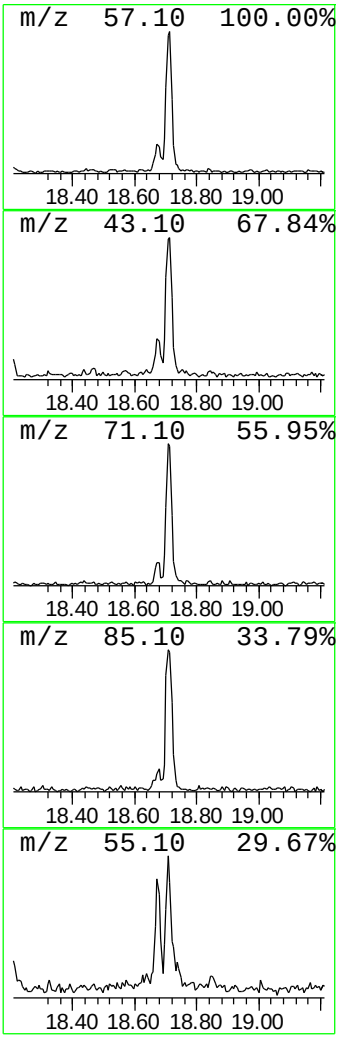
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.71 | 5.99 ng/ul | 373675 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 89 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 74 |
| 3 | Octane, 5-ethyl-2-methyl- | 156 | C11H24 | 062016-18-6 | 72 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 72 |
| 5 | 3,5-Dimethyldodecane | 198 | C14H30 | 107770-99-0 | 72 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

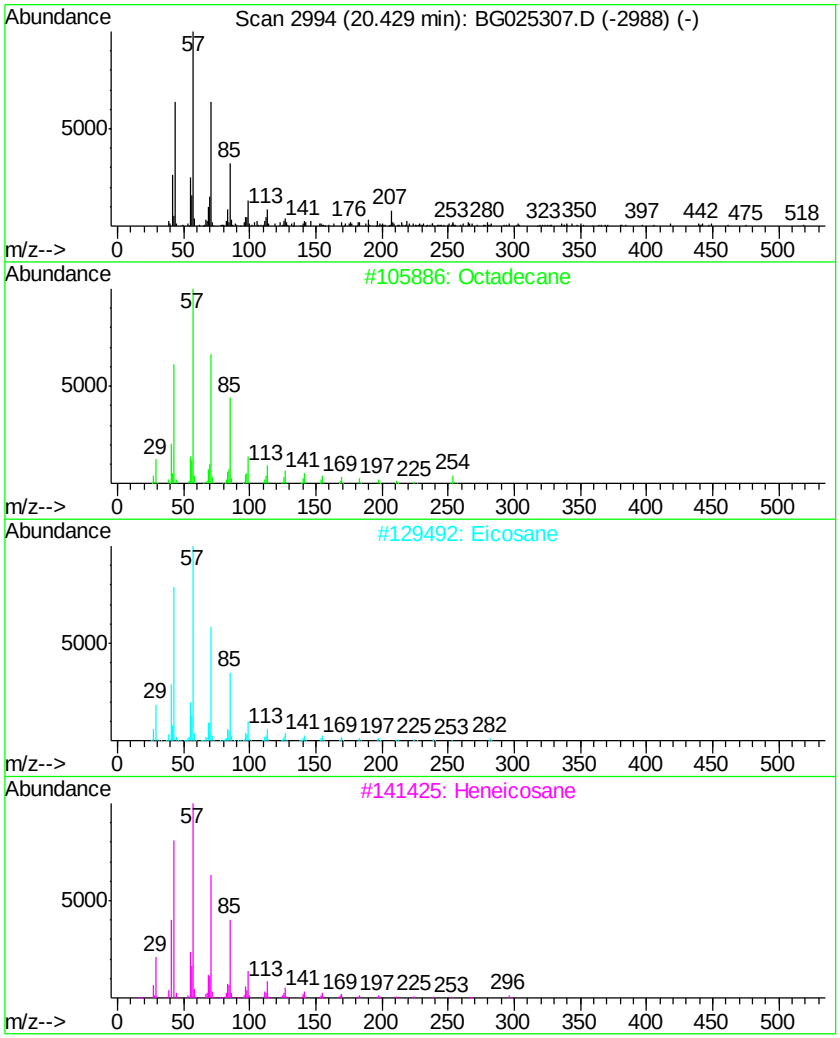
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

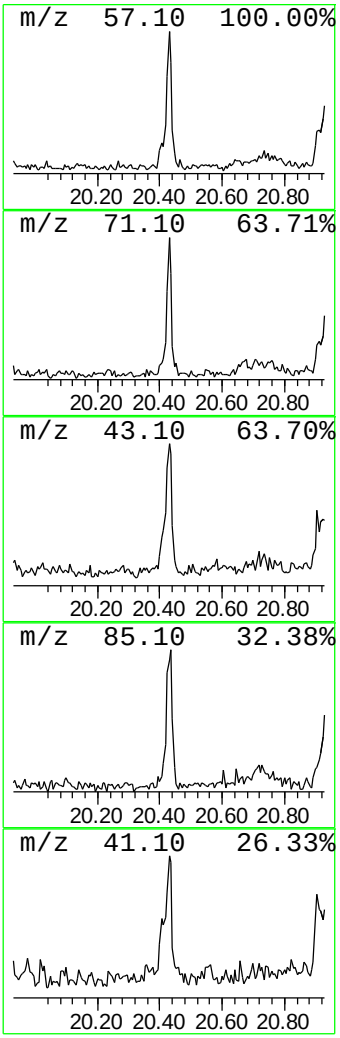
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.43 | 2.90 ng/ul | 235101 | Chrysene-d12 | 21.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 89 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 89 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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

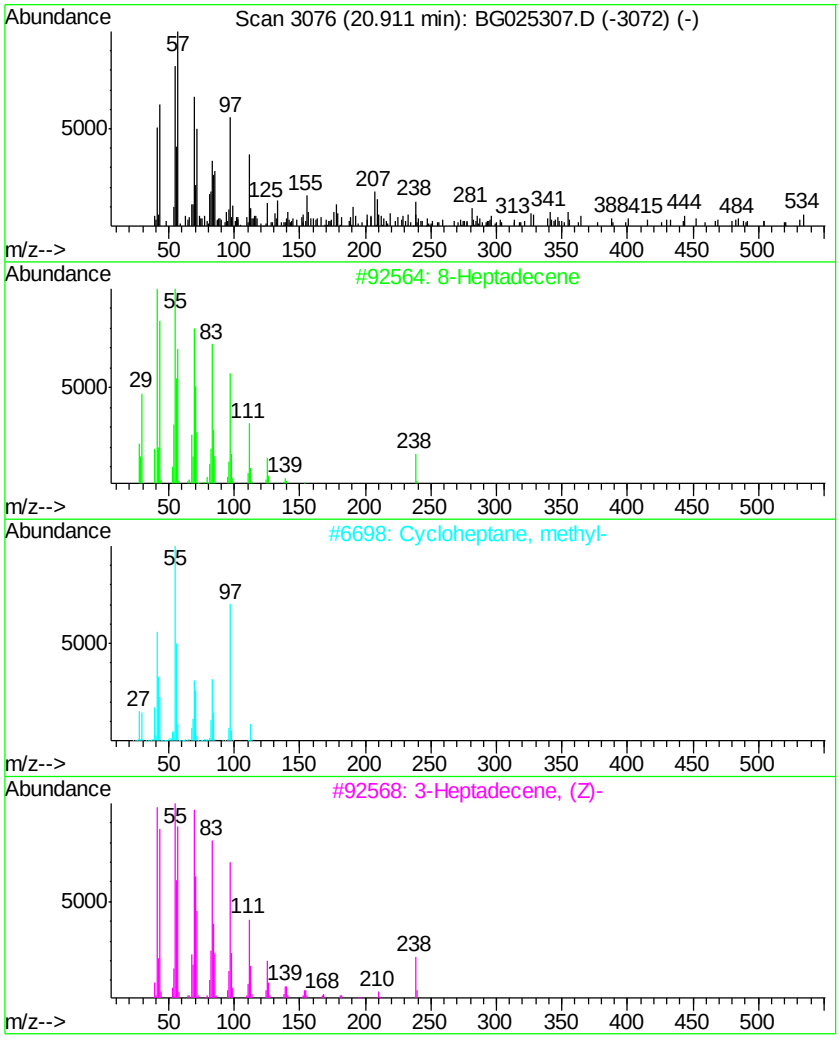
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

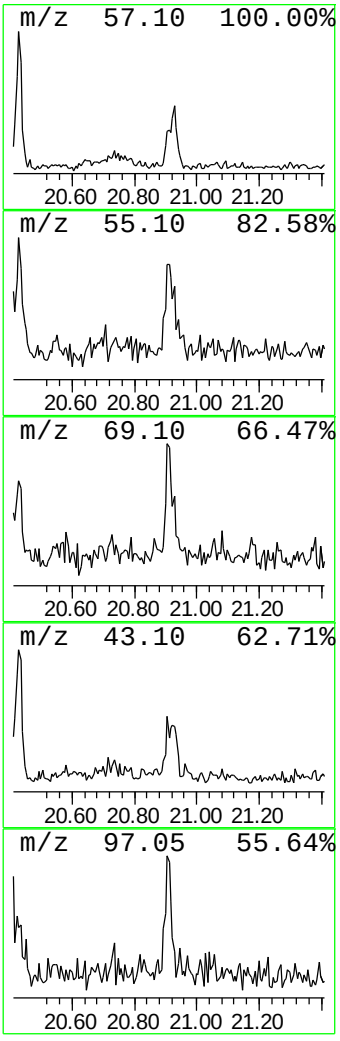
**********

Peak Number 66 (DEL) Alkane: Cyclic20.91 Concentration Rank 64

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.91 | 2.19 ng/ul | 177335 | Chrysene-d12 | 21.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-Heptadecene | 238 | C17H34 | 002579-04-6 | 64 |
| 2 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 50 |
| 3 | 3-Heptadecene, (Z)- | 238 | C17H34 | 1000141-67-3 | 50 |
| 4 | 2-Methyl-E-7-hexadecene | 238 | C17H34 | 064183-52-4 | 45 |
| 5 | 6-Bromo-2,2-dimethylcyclohexanone | 204 | C8H13BrO | 021690-26-6 | 45 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121716\
Data File : BG025307.D
Acq On : 18 Dec 2016 12:34
Operator : UM/SJ
Sample : H5905-19DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA818DL

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 |
| Benzene, 1-ethyl-... | 7.86 | 5.5 | ng/ul | 135858 | 1 | 8.23 | 497638 | 20.0 |
| Benzene, 1,2,3-tr... | 8.34 | 3.4 | ng/ul | 85115 | 1 | 8.23 | 497638 | 20.0 |
| Bicyclo[3.2.1]oct... | 8.86 | 5.5 | ng/ul | 137426 | 1 | 8.23 | 497638 | 20.0 |
| Benzene, 2-ethyl-... | 9.33 | 4.7 | ng/ul | 117349 | 1 | 8.23 | 497638 | 20.0 |
| Benzofuran, 7-met... | 9.71 | 4.3 | ng/ul | 134090 | 2 | 11.06 | 622042 | 20.0 |
| 3-Phenyl-2-propyn... | 9.78 | 8.3 | ng/ul | 257787 | 2 | 11.06 | 622042 | 20.0 |
| Phenol, 4-ethyl- | 10.49 | 20.6 | ng/ul | 641816 | 2 | 11.06 | 622042 | 20.0 |
| unknown-01 | 10.52 | 6.8 | ng/ul | 211394 | 2 | 11.06 | 622042 | 20.0 |
| unknown-02 | 10.88 | 3.7 | ng/ul | 113791 | 2 | 11.06 | 622042 | 20.0 |
| Ethyl-2-benzofuran | 11.20 | 4.2 | ng/ul | 130825 | 2 | 11.06 | 622042 | 20.0 |
| Benzofuran, 4,7-d... | 11.29 | 22.9 | ng/ul | 713534 | 2 | 11.06 | 622042 | 20.0 |
| 2-Propenal, 2-met... | 11.42 | 17.9 | ng/ul | 555884 | 2 | 11.06 | 622042 | 20.0 |
| 2-(2-Hydroxypheny... | 11.53 | 9.9 | ng/ul | 309483 | 2 | 11.06 | 622042 | 20.0 |
| Phenol, 2-(1-meth... | 11.59 | 2.9 | ng/ul | 90620 | 2 | 11.06 | 622042 | 20.0 |
| 2-Propenal, 3-(4-... | 11.63 | 3.0 | ng/ul | 93319 | 2 | 11.06 | 622042 | 20.0 |
| Phenol, 3-propyl- | 11.87 | 14.4 | ng/ul | 448905 | 2 | 11.06 | 622042 | 20.0 |
| unknown-03 | 12.06 | 7.2 | ng/ul | 223319 | 2 | 11.06 | 622042 | 20.0 |
| 1H-Indene, 1,1-di... | 12.13 | 6.2 | ng/ul | 191859 | 2 | 11.06 | 622042 | 20.0 |
| Benzene, (2-cyclo... | 12.19 | 3.1 | ng/ul | 95236 | 2 | 11.06 | 622042 | 20.0 |
| 1H-Indene, 1,3-di... | 12.26 | 8.8 | ng/ul | 272846 | 2 | 11.06 | 622042 | 20.0 |
| Benzene, 1-(1-met... | 12.36 | 3.6 | ng/ul | 112539 | 2 | 11.06 | 622042 | 20.0 |
| (DEL) Alkane: Str... | 12.40 | 8.3 | ng/ul | 256655 | 2 | 11.06 | 622042 | 20.0 |
| Naphthalene, 1,2,... | 12.51 | 4.9 | ng/ul | 153782 | 2 | 11.06 | 622042 | 20.0 |
| 1H-Inden-1-one, 2... | 12.57 | 6.8 | ng/ul | 213144 | 2 | 11.06 | 622042 | 20.0 |
| Ethanone, 1-[4-(1... | 12.83 | 8.6 | ng/ul | 268253 | 2 | 11.06 | 622042 | 20.0 |
| Naphthalene, 1-me... | 12.91 | 26.1 | ng/ul | 812211 | 2 | 11.06 | 622042 | 20.0 |
| 2,5,6-Trimethylbe... | 13.00 | 9.2 | ng/ul | 526655 | 3 | 14.85 | 1144450 | 20.0 |
| unknown-04 | 13.20 | 2.2 | ng/ul | 124854 | 3 | 14.85 | 1144450 | 20.0 |
| (DEL) Alkane: Cyc... | 14.62 | 3.1 | ng/ul | 175636 | 3 | 14.85 | 1144450 | 20.0 |
| (DEL) Alkane: Str... | 14.69 | 7.8 | ng/ul | 445834 | 3 | 14.85 | 1144450 | 20.0 |
| (DEL) Alkane: Str... | 15.63 | 10.8 | ng/ul | 616305 | 3 | 14.85 | 1144450 | 20.0 |
| (DEL) Alkane: Cyc... | 16.45 | 6.2 | ng/ul | 386712 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 16.50 | 12.6 | ng/ul | 783369 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 16.72 | 5.8 | ng/ul | 362577 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Cyc... | 16.80 | 5.6 | ng/ul | 347960 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Cyc... | 17.24 | 3.5 | ng/ul | 221387 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 17.29 | 11.9 | ng/ul | 744081 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Cyc... | 17.98 | 2.4 | ng/ul | 147882 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 18.03 | 10.1 | ng/ul | 627989 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 18.71 | 6.0 | ng/ul | 373675 | 4 | 17.60 | 1246690 | 20.0 |
| (DEL) Alkane: Str... | 20.43 | 2.9 | ng/ul | 235101 | 5 | 21.89 | 1618650 | 20.0 |
| (DEL) Alkane: Cyc... | 20.91 | 2.2 | ng/ul | 177335 | 5 | 21.89 | 1618650 | 20.0 |