LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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 | 3.605 | 121 | 130 | 136 | rVB5 | 47685 | 96488 | 2.01% | 0.139% |
| 2 | 5.825 | 500 | 508 | 522 | rBV6 | 21362 | 66852 | 1.39% | 0.096% |
| 3 | 7.394 | 769 | 775 | 793 | rVB4 | 185891 | 482283 | 10.04% | 0.693% |
| 4 | 7.547 | 793 | 801 | 807 | rBV | 131028 | 227881 | 4.74% | 0.328% |
| 5 | 7.764 | 830 | 838 | 850 | rBV | 179122 | 374766 | 7.80% | 0.539% |
| 6 | 8.234 | 911 | 918 | 930 | rVV | 314836 | 590409 | 12.29% | 0.849% |
| 7 | 8.340 | 930 | 936 | 945 | rVB5 | 24232 | 57094 | 1.19% | 0.082% |
| 8 | 8.851 | 1017 | 1023 | 1032 | rVV4 | 29533 | 84696 | 1.76% | 0.122% |
| 9 | 8.945 | 1032 | 1039 | 1046 | rVV2 | 219168 | 428408 | 8.92% | 0.616% |
| 10 | 9.010 | 1046 | 1050 | 1057 | rVV7 | 40157 | 106125 | 2.21% | 0.153% |
| 11 | 9.333 | 1093 | 1105 | 1111 | rBV10 | 56177 | 145236 | 3.02% | 0.209% |
| 12 | 9.415 | 1111 | 1119 | 1127 | rVB2 | 224272 | 430119 | 8.95% | 0.618% |
| 13 | 10.138 | 1229 | 1242 | 1250 | rBV3 | 181165 | 384483 | 8.00% | 0.553% |
| 14 | 10.220 | 1250 | 1256 | 1264 | rBV10 | 49661 | 134865 | 2.81% | 0.194% |
| 15 | 10.438 | 1288 | 1293 | 1297 | rBV6 | 36936 | 71023 | 1.48% | 0.102% |
| 16 | 10.491 | 1298 | 1302 | 1306 | rVV6 | 37171 | 70197 | 1.46% | 0.101% |
| 17 | 10.685 | 1327 | 1335 | 1352 | rVB2 | 248244 | 545636 | 11.36% | 0.784% |
| 18 | 10.972 | 1372 | 1384 | 1389 | rVB4 | 81887 | 188043 | 3.91% | 0.270% |
| 19 | 11.061 | 1389 | 1399 | 1412 | rBV | 413437 | 856741 | 17.83% | 1.232% |
| 20 | 11.202 | 1418 | 1423 | 1433 | rVB7 | 48011 | 116731 | 2.43% | 0.168% |
| 21 | 11.284 | 1433 | 1437 | 1452 | rVB6 | 52242 | 128380 | 2.67% | 0.185% |
| 22 | 11.413 | 1452 | 1459 | 1464 | rBV5 | 75890 | 182100 | 3.79% | 0.262% |
| 23 | 11.460 | 1464 | 1467 | 1472 | rVB3 | 51608 | 74880 | 1.56% | 0.108% |
| 24 | 11.589 | 1483 | 1489 | 1493 | rVB3 | 27100 | 55422 | 1.15% | 0.080% |
| 25 | 11.877 | 1532 | 1538 | 1542 | rBV | 79530 | 137887 | 2.87% | 0.198% |
| 26 | 12.071 | 1566 | 1571 | 1577 | rBV8 | 63448 | 136708 | 2.85% | 0.197% |
| 27 | 12.200 | 1588 | 1593 | 1603 | rVB3 | 59934 | 127695 | 2.66% | 0.184% |
| 28 | 12.406 | 1624 | 1628 | 1642 | rVB3 | 125311 | 272782 | 5.68% | 0.392% |
| 29 | 12.565 | 1649 | 1655 | 1657 | rBV6 | 41219 | 74560 | 1.55% | 0.107% |
| 30 | 12.700 | 1672 | 1678 | 1681 | rBV | 130940 | 231412 | 4.82% | 0.333% |
| 31 | 12.735 | 1681 | 1684 | 1688 | rVB2 | 102079 | 143583 | 2.99% | 0.206% |
| 32 | 12.858 | 1695 | 1705 | 1709 | rVB8 | 80064 | 219499 | 4.57% | 0.316% |
| 33 | 12.917 | 1710 | 1715 | 1723 | rVB | 168985 | 293294 | 6.10% | 0.422% |
| 34 | 12.999 | 1724 | 1729 | 1732 | rBV6 | 53526 | 96249 | 2.00% | 0.138% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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 | 13.041 | 1733 | 1736 | 1740 | rBV4 | 49134 | 78927 | 1.64% | 0.113% |
| 36 | 13.205 | 1759 | 1764 | 1767 | rBV7 | 35575 | 58123 | 1.21% | 0.084% |
| 37 | 13.270 | 1771 | 1775 | 1778 | rBV6 | 41786 | 55408 | 1.15% | 0.080% |
| 38 | 13.340 | 1782 | 1787 | 1791 | rBV3 | 118899 | 183250 | 3.81% | 0.263% |
| 39 | 13.546 | 1815 | 1822 | 1831 | rBV10 | 83975 | 273250 | 5.69% | 0.393% |
| 40 | 13.628 | 1831 | 1836 | 1842 | rVB4 | 259434 | 408898 | 8.51% | 0.588% |
| 41 | 13.740 | 1850 | 1855 | 1859 | rVB8 | 31035 | 61770 | 1.29% | 0.089% |
| 42 | 13.787 | 1859 | 1863 | 1868 | rBV8 | 51653 | 126993 | 2.64% | 0.183% |
| 43 | 13.893 | 1876 | 1881 | 1894 | rVB8 | 62610 | 215033 | 4.48% | 0.309% |
| 44 | 14.034 | 1894 | 1905 | 1914 | rBV8 | 150942 | 485240 | 10.10% | 0.698% |
| 45 | 14.128 | 1916 | 1921 | 1923 | rBV3 | 89282 | 122999 | 2.56% | 0.177% |
| 46 | 14.180 | 1924 | 1930 | 1934 | rBV4 | 166263 | 421281 | 8.77% | 0.606% |
| 47 | 14.245 | 1935 | 1941 | 1945 | rVB2 | 363994 | 757132 | 15.76% | 1.088% |
| 48 | 14.292 | 1946 | 1949 | 1961 | rVB | 155416 | 307629 | 6.40% | 0.442% |
| 49 | 14.404 | 1965 | 1968 | 1971 | rBV5 | 56838 | 75062 | 1.56% | 0.108% |
| 50 | 14.556 | 1986 | 1994 | 2002 | rVB | 456378 | 915600 | 19.06% | 1.316% |
| 51 | 14.621 | 2002 | 2005 | 2008 | rBV5 | 73373 | 78326 | 1.63% | 0.113% |
| 52 | 14.692 | 2013 | 2017 | 2025 | rVB2 | 345022 | 521009 | 10.84% | 0.749% |
| 53 | 14.809 | 2033 | 2037 | 2040 | rBV3 | 179413 | 252526 | 5.26% | 0.363% |
| 54 | 14.856 | 2040 | 2045 | 2056 | rVB | 658926 | 1232299 | 25.65% | 1.771% |
| 55 | 14.979 | 2062 | 2066 | 2073 | rVB | 243266 | 366762 | 7.63% | 0.527% |
| 56 | 15.097 | 2081 | 2086 | 2090 | rBV2 | 164958 | 282778 | 5.89% | 0.407% |
| 57 | 15.238 | 2105 | 2110 | 2118 | rVB6 | 148610 | 354353 | 7.38% | 0.509% |
| 58 | 15.314 | 2119 | 2123 | 2127 | rBV3 | 92669 | 146216 | 3.04% | 0.210% |
| 59 | 15.461 | 2143 | 2148 | 2153 | rBV6 | 125630 | 234218 | 4.88% | 0.337% |
| 60 | 15.514 | 2154 | 2157 | 2164 | rVB8 | 98394 | 171768 | 3.58% | 0.247% |
| 61 | 15.608 | 2165 | 2173 | 2175 | rBV4 | 295852 | 573648 | 11.94% | 0.825% |
| 62 | 15.638 | 2175 | 2178 | 2183 | rVB | 480056 | 620308 | 12.91% | 0.892% |
| 63 | 15.726 | 2191 | 2193 | 2196 | rBV4 | 76379 | 103449 | 2.15% | 0.149% |
| 64 | 15.767 | 2196 | 2200 | 2208 | rVV | 515214 | 847547 | 17.64% | 1.218% |
| 65 | 15.843 | 2208 | 2213 | 2217 | rVV2 | 557669 | 914030 | 19.02% | 1.314% |
| 66 | 15.878 | 2217 | 2219 | 2226 | rVB3 | 243822 | 405603 | 8.44% | 0.583% |
| 67 | 15.978 | 2231 | 2236 | 2242 | rBV4 | 213700 | 398872 | 8.30% | 0.573% |
| 68 | 16.043 | 2243 | 2247 | 2253 | rVB8 | 93850 | 185269 | 3.86% | 0.266% |
| 69 | 16.284 | 2283 | 2288 | 2293 | rVB3 | 251305 | 433317 | 9.02% | 0.623% |
| 70 | 16.442 | 2309 | 2315 | 2320 | rBV4 | 246991 | 484196 | 10.08% | 0.696% |
| 71 | 16.501 | 2320 | 2325 | 2329 | rVV2 | 669062 | 1057153 | 22.00% | 1.520% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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 | 16.542 | 2329 | 2332 | 2338 | rVB2 | 376151 | 593784 | 12.36% | 0.854% |
| 73 | 16.724 | 2360 | 2363 | 2372 | rVB5 | 207619 | 322199 | 6.71% | 0.463% |
| 74 | 16.871 | 2383 | 2388 | 2396 | rBV2 | 503418 | 1007146 | 20.96% | 1.448% |
| 75 | 17.124 | 2427 | 2431 | 2439 | rVB7 | 158160 | 293676 | 6.11% | 0.422% |
| 76 | 17.247 | 2448 | 2452 | 2456 | rBV4 | 231661 | 435253 | 9.06% | 0.626% |
| 77 | 17.289 | 2456 | 2459 | 2463 | rVB | 776004 | 889736 | 18.52% | 1.279% |
| 78 | 17.435 | 2480 | 2484 | 2491 | rVB | 228373 | 379103 | 7.89% | 0.545% |
| 79 | 17.600 | 2505 | 2512 | 2517 | rBV3 | 819225 | 1601977 | 33.34% | 2.303% |
| 80 | 17.700 | 2524 | 2529 | 2537 | rBV2 | 608809 | 997181 | 20.76% | 1.433% |
| 81 | 17.988 | 2575 | 2578 | 2581 | rVB3 | 179597 | 194307 | 4.04% | 0.279% |
| 82 | 18.029 | 2581 | 2585 | 2597 | rVB | 1037559 | 1426612 | 29.69% | 2.051% |
| 83 | 18.440 | 2651 | 2655 | 2663 | rBV2 | 753664 | 1102641 | 22.95% | 1.585% |
| 84 | 18.675 | 2692 | 2695 | 2698 | rBV | 328702 | 400875 | 8.34% | 0.576% |
| 85 | 18.710 | 2698 | 2701 | 2709 | rVB | 1145407 | 1437052 | 29.91% | 2.066% |
| 86 | 19.304 | 2800 | 2802 | 2804 | rBV | 241898 | 258651 | 5.38% | 0.372% |
| 87 | 19.339 | 2804 | 2808 | 2816 | rVB | 1340756 | 1768454 | 36.81% | 2.542% |
| 88 | 19.909 | 2897 | 2905 | 2910 | rVB2 | 1883663 | 3223201 | 67.09% | 4.633% |
| 89 | 20.009 | 2912 | 2922 | 2928 | rBV2 | 2375331 | 4804405 | 100.00% | 6.906% |
| 90 | 20.438 | 2987 | 2995 | 3004 | rVB2 | 1978646 | 3477415 | 72.38% | 4.999% |
| 91 | 20.914 | 3072 | 3076 | 3090 | rVB2 | 1518750 | 4162574 | 86.64% | 5.984% |
| 92 | 21.454 | 3164 | 3168 | 3181 | rVB | 1391638 | 2495908 | 51.95% | 3.588% |
| 93 | 21.895 | 3239 | 3243 | 3249 | rVB | 1000857 | 1751952 | 36.47% | 2.518% |
| 94 | 22.001 | 3256 | 3261 | 3270 | rBV3 | 809233 | 1767934 | 36.80% | 2.541% |
| 95 | 22.688 | 3374 | 3378 | 3386 | rVB2 | 645374 | 1245306 | 25.92% | 1.790% |
| 96 | 22.870 | 3404 | 3409 | 3423 | rVB2 | 887657 | 1919108 | 39.94% | 2.759% |
| 97 | 23.346 | 3484 | 3490 | 3501 | rVB2 | 1431624 | 3112478 | 64.78% | 4.474% |
| 98 | 25.091 | 3781 | 3787 | 3799 | rVB4 | 814815 | 2294660 | 47.76% | 3.299% |
| 99 | 25.332 | 3822 | 3828 | 3839 | rVB | 558060 | 1694364 | 35.27% | 2.436% |
| 100 | 25.902 | 3917 | 3925 | 3940 | rVB3 | 906107 | 2663087 | 55.43% | 3.828% |

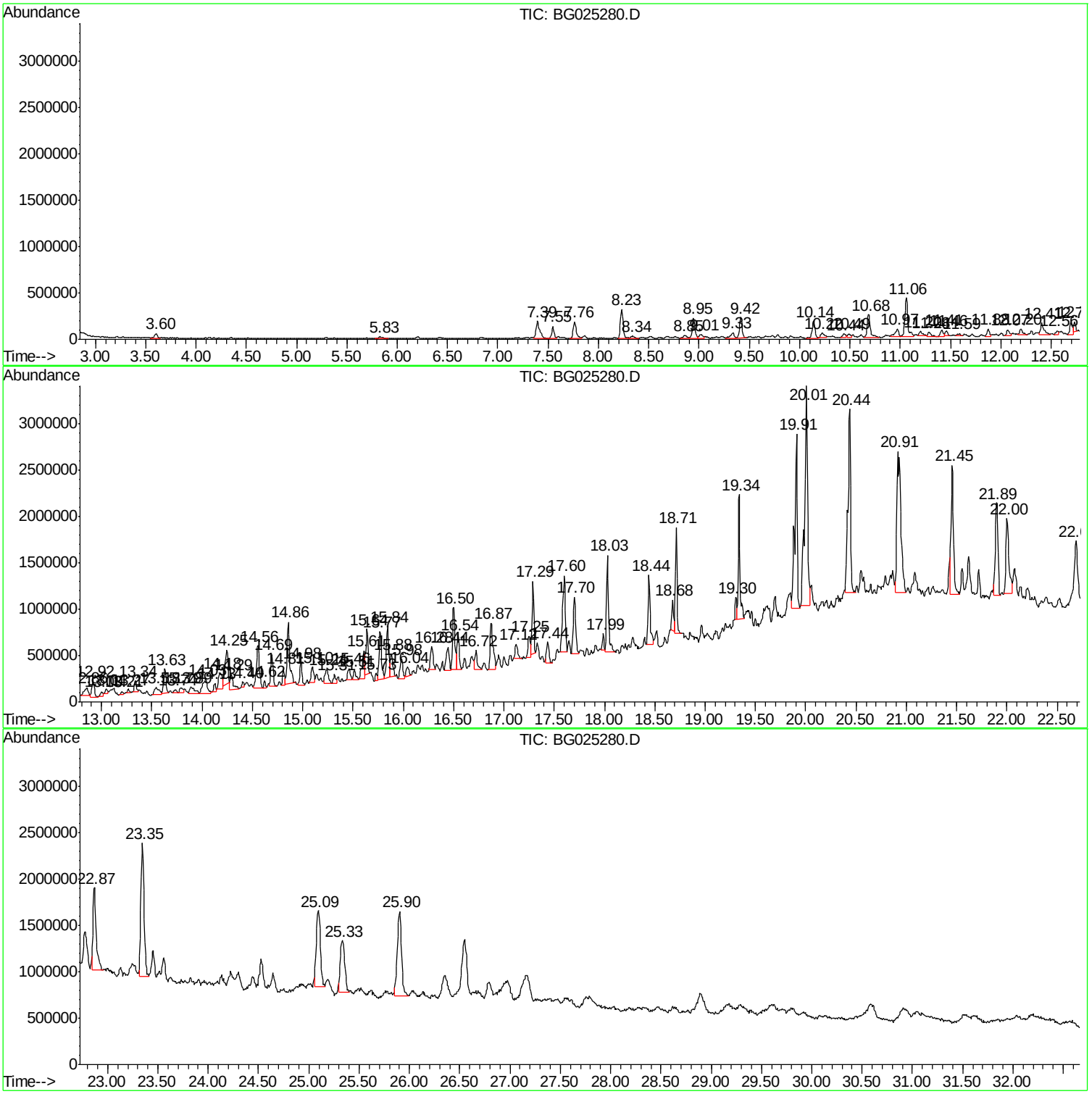
Sum of corrected areas: 69563808

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

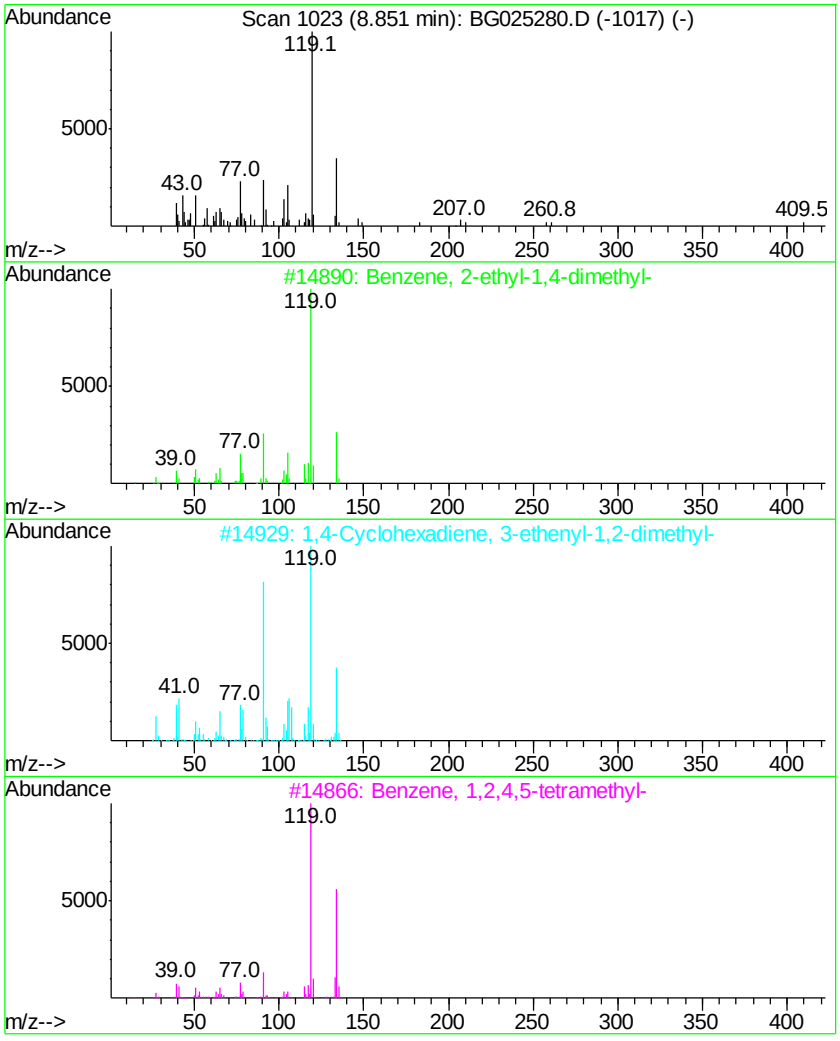
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

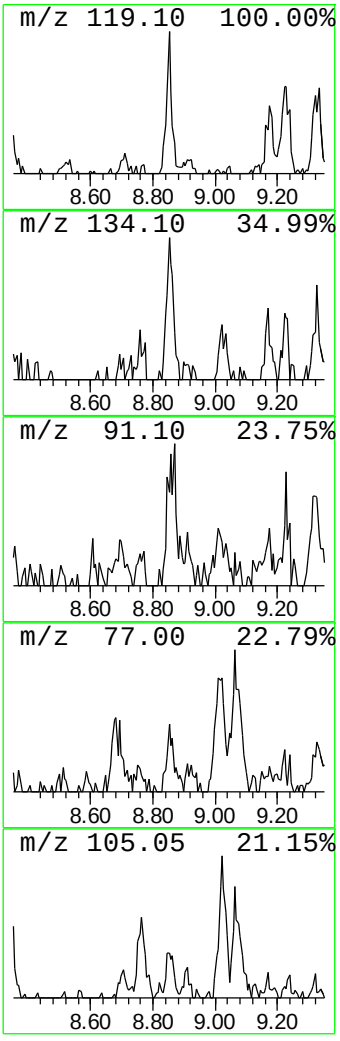
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.85 | 2.87 ng/ul | 84696 | 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 | 86 |
| 2 | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14 | 062338-57-2 | 64 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 59 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 56 |
| 5 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 52 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

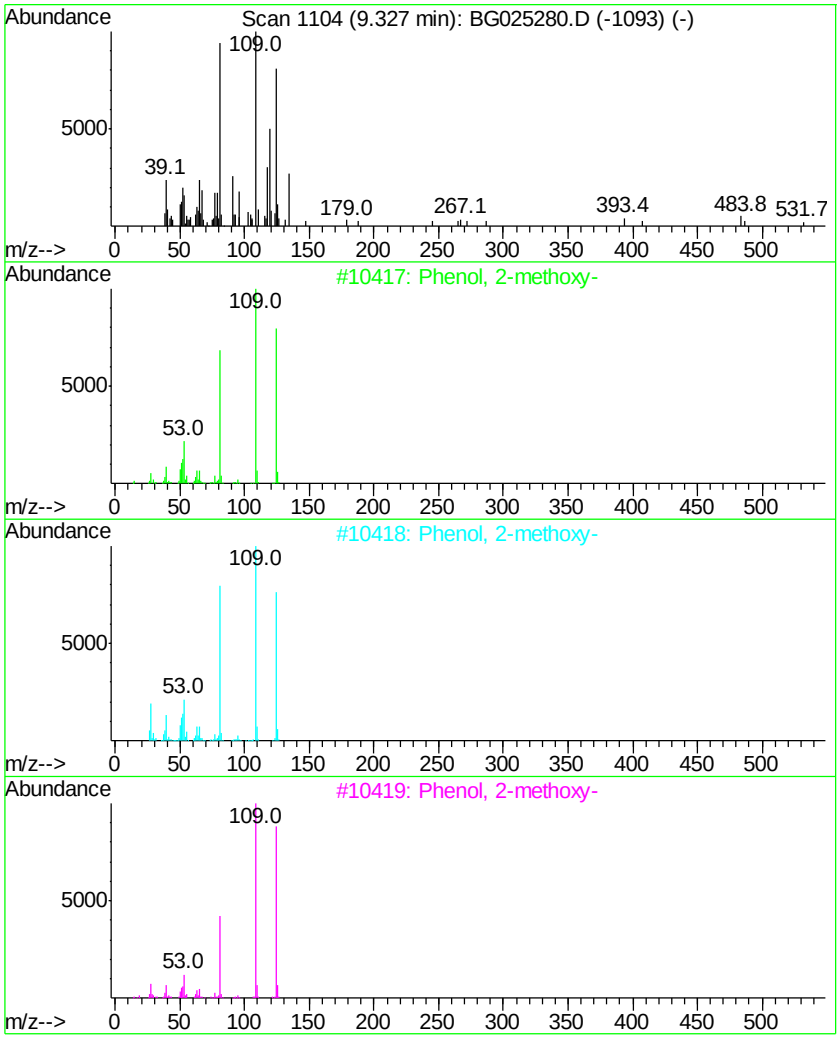
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

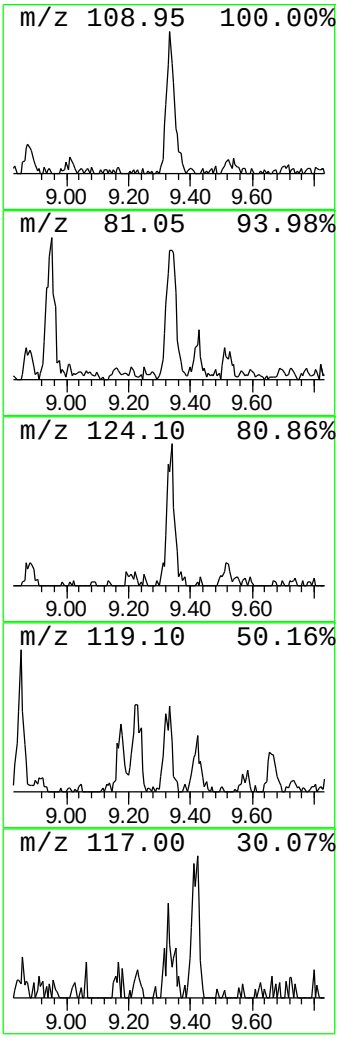
**********

Peak Number 3 Phenol, 2-methoxy- Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.33 | 4.92 ng/ul | 145236 | 1,4-Dichlorobenzene-d4 | 8.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 62 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 58 |
| 3 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 53 |
| 4 | 1-Isopropylcyclohex-1-ene | 124 | C9H16 | 004292-04-0 | 47 |
| 5 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 41 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

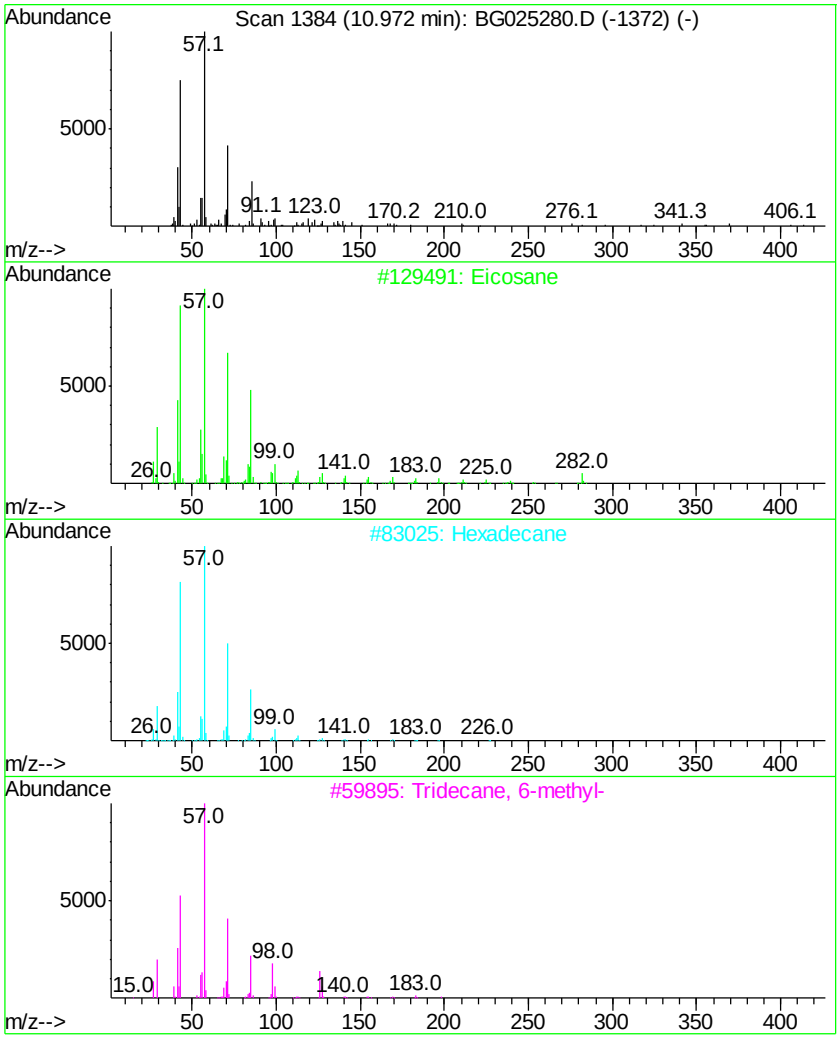
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

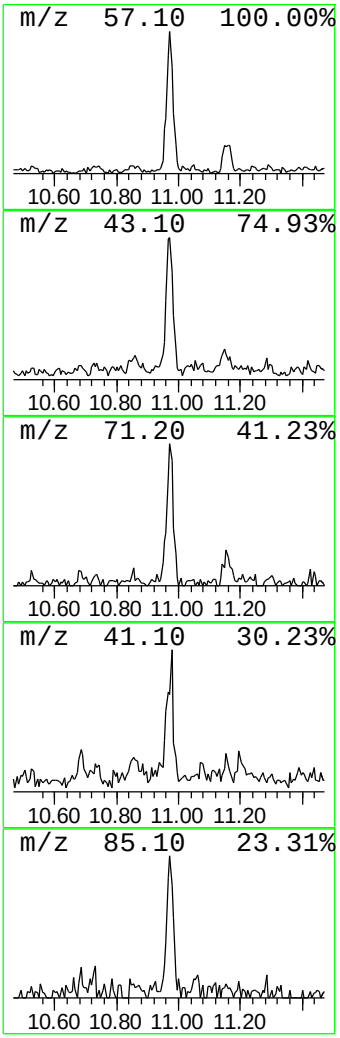
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 4.39 ng/ul | 188043 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 74 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 3 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 64 |
| 4 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 64 |
| 5 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 53 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

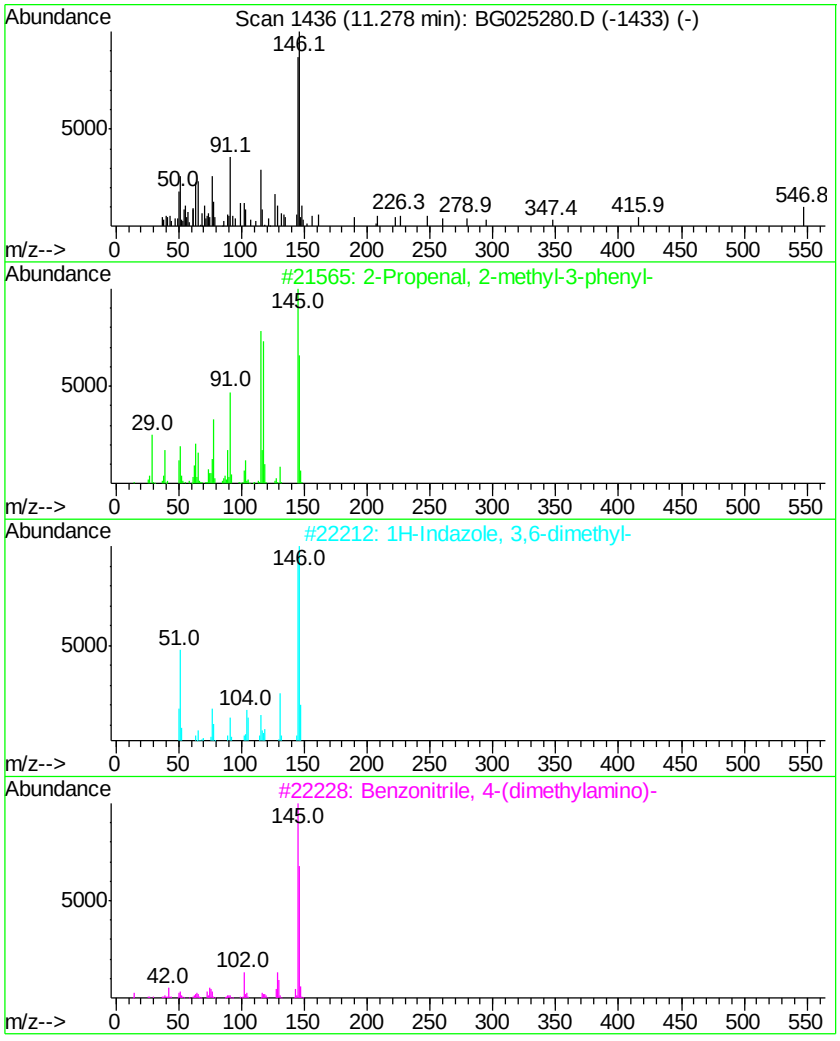
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

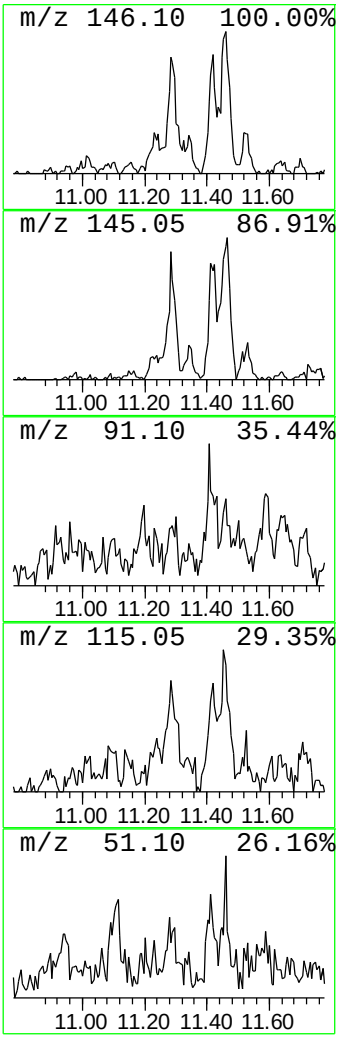
**********

Peak Number 5 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.28 | 3.00 ng/ul | 128380 | 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 | 59 |
| 3 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 50 |
| 4 | Benzofuran, 4,7-dimethyl- | 146 | C10H10O | 028715-26-6 | 47 |
| 5 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 45 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

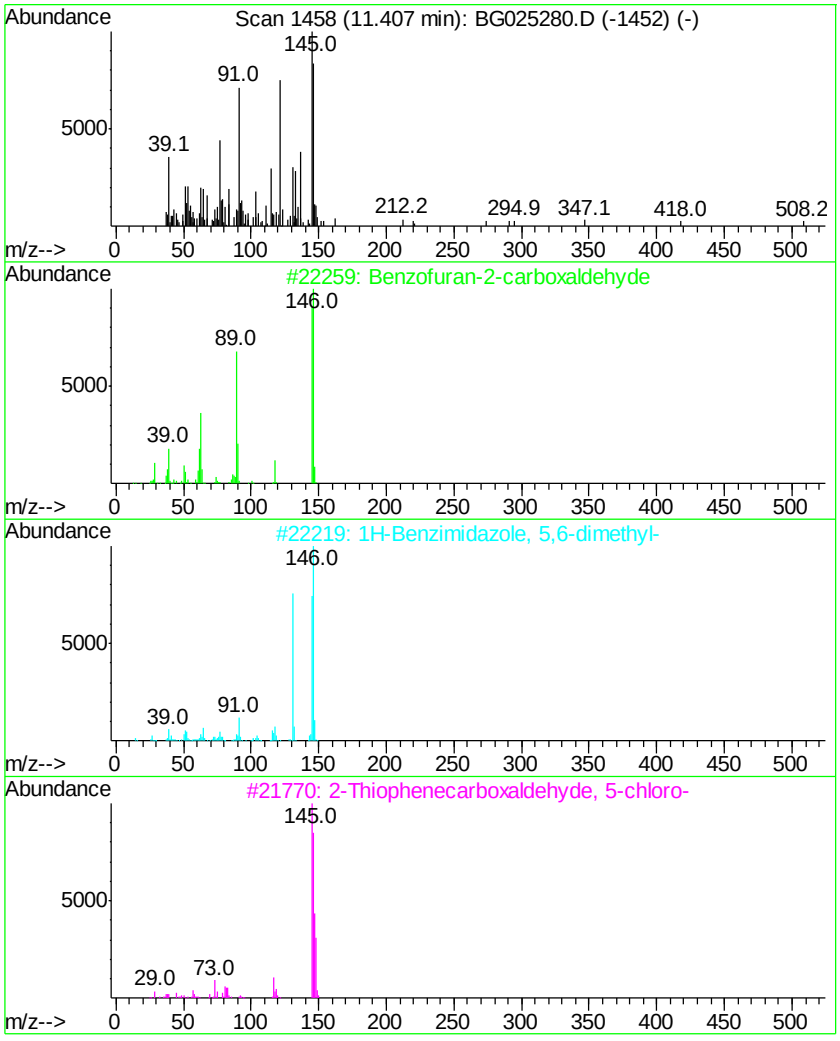
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

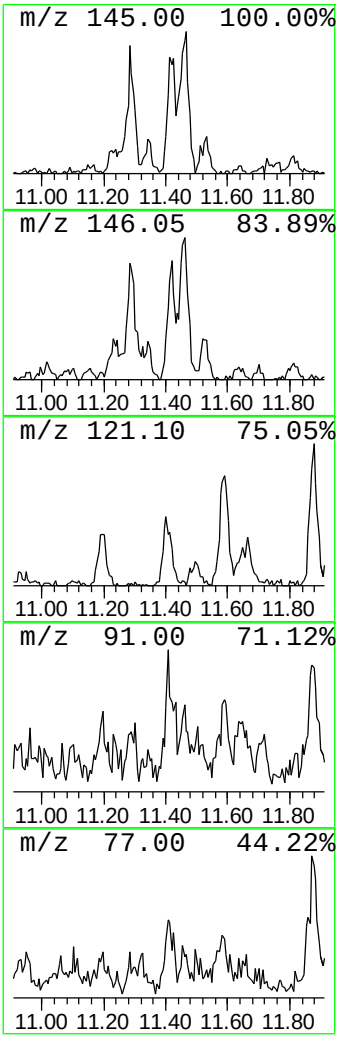
**********

Peak Number 6 Benzofuran-2-carboxaldehyde Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.41 | 4.25 ng/ul | 182100 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran-2-carboxaldehyde | 146 | C9H6O2 | 004265-16-1 | 62 |
| 2 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 53 |
| 3 | 2-Thiophenecarboxaldehyde, 5-chl... | 146 | C5H3ClOS | 007283-96-7 | 50 |
| 4 | 1H-Indazole, 5,7-dimethyl- | 146 | C9H10N2 | 043067-41-0 | 49 |
| 5 | 1H-Pyrazole, 4,5-dihydro-3-phenyl- | 146 | C9H10N2 | 000936-48-1 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

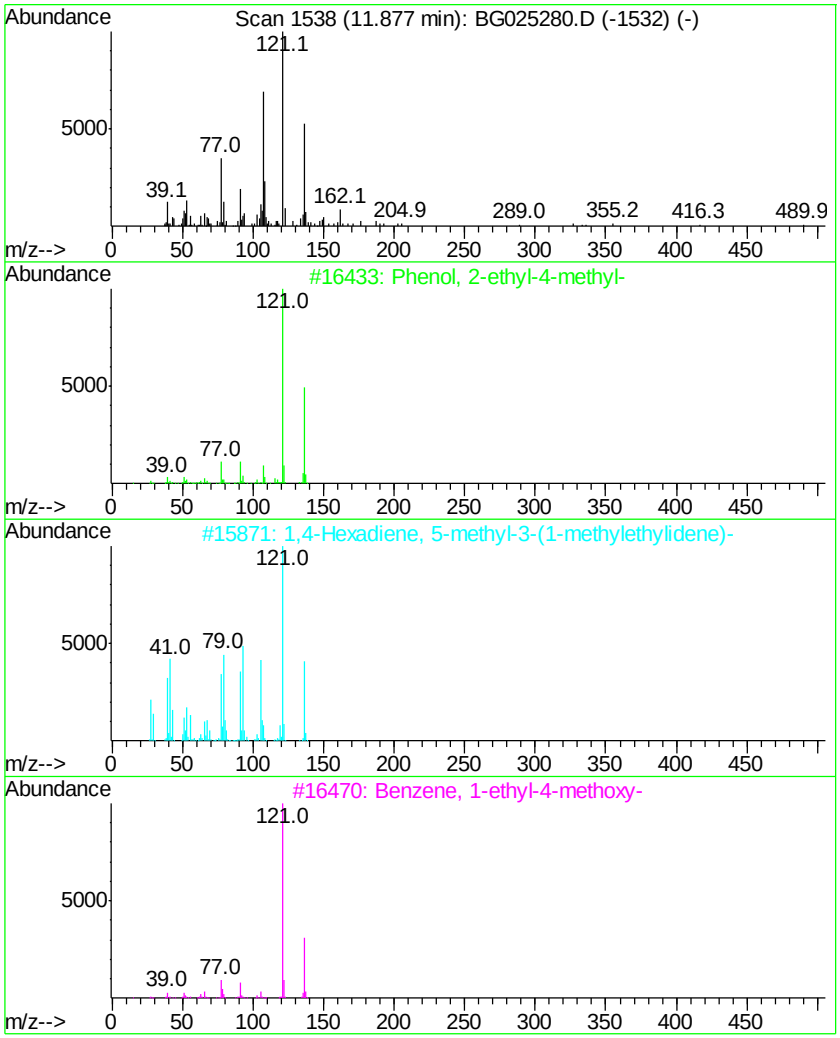
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

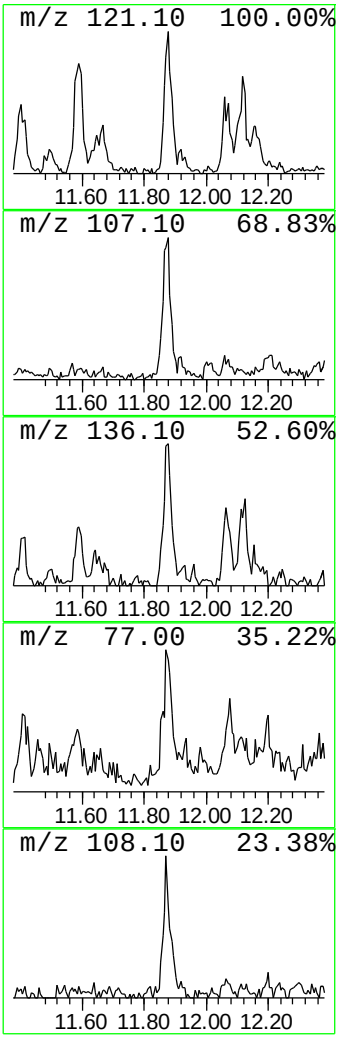
**********

Peak Number 7 Phenol, 2-ethyl-4-methyl- Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.88 | 3.22 ng/ul | 137887 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-ethyl-4-methyl- | 136 | C9H12O | 003855-26-3 | 64 |
| 2 | 1,4-Hexadiene, 5-methyl-3-(1-met... | 136 | C10H16 | 113687-24-4 | 58 |
| 3 | Benzene, 1-ethyl-4-methoxy- | 136 | C9H12O | 001515-95-3 | 58 |
| 4 | 1,3-Cyclopentadiene, 1,2,3,4,5-p... | 136 | C10H16 | 004045-44-7 | 58 |
| 5 | Phenol, 3-(1-methylethyl)- | 136 | C9H12O | 000618-45-1 | 58 |



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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

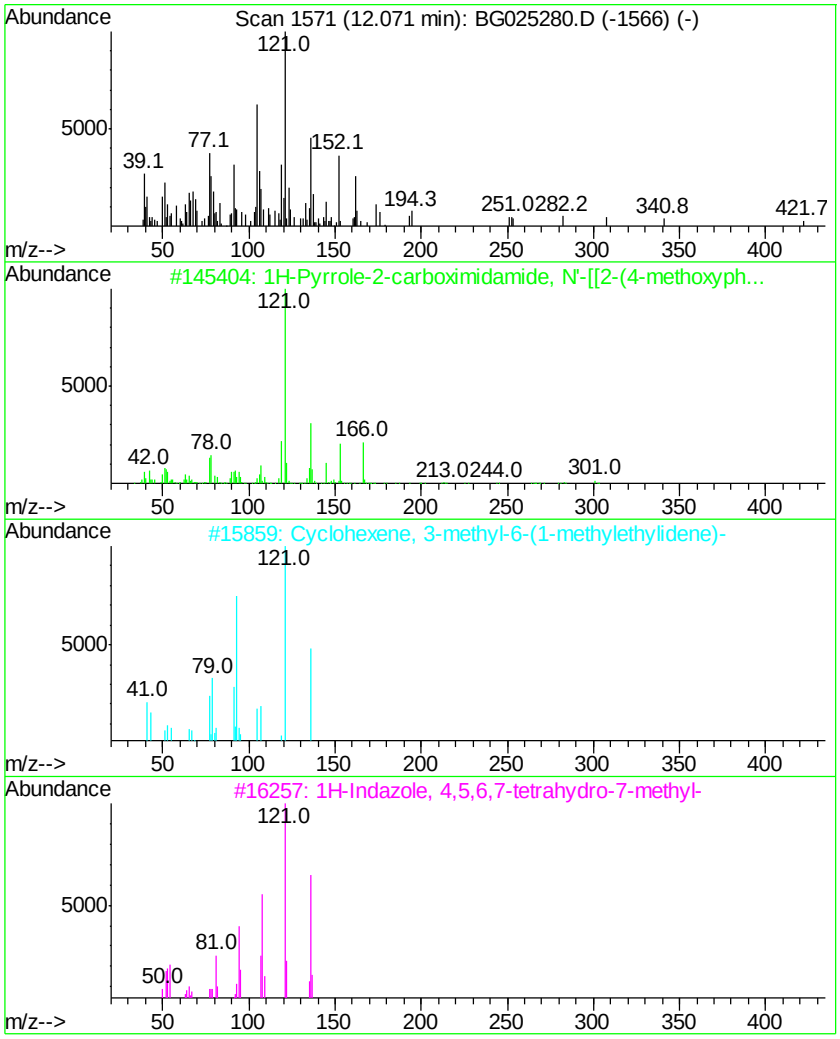
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

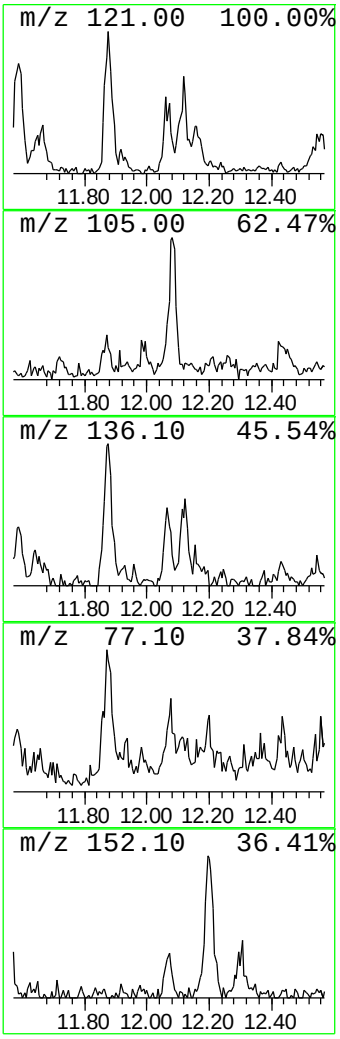
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.07 | 3.19 ng/ul | 136708 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrrole-2-carboximidamide, N'... | 301 | C16H19N3O3 | 1000337-50-0 | 47 |
| 2 | Cyclohexene, 3-methyl-6-(1-methy... | 136 | C10H16 | 000586-63-0 | 46 |
| 3 | 1H-Indazole, 4,5,6,7-tetrahydro-... | 136 | C8H12N2 | 032286-94-5 | 46 |
| 4 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 45 |
| 5 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 45 |



# Library Search Compound Report

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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

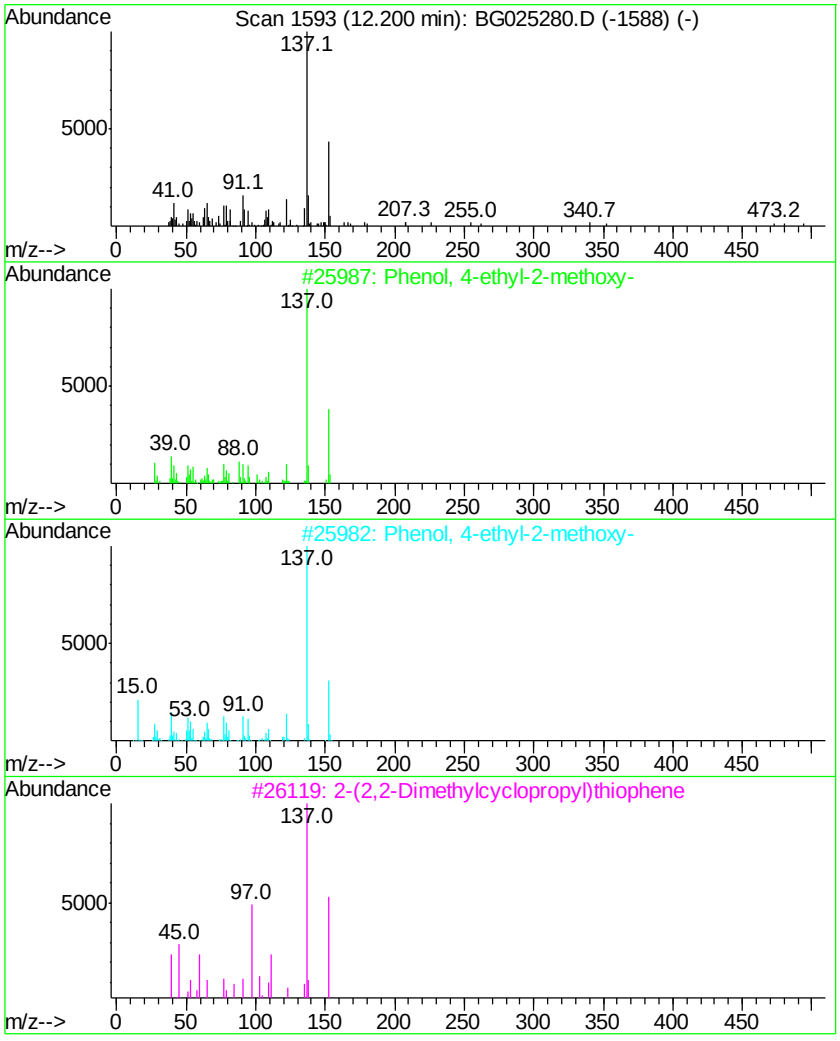
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

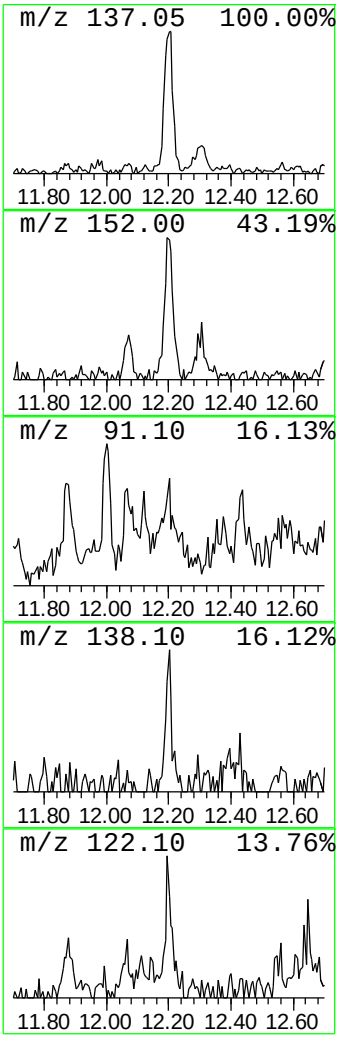
**********

Peak Number 9 Phenol, 4-ethyl-2-methoxy- Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.20 | 2.98 ng/ul | 127695 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 87 |
| 2 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 83 |
| 3 | 2-(2,2-Dimethylcyclopropyl)thiop... | 152 | C9H12S | 005919-16-4 | 80 |
| 4 | Pyrazine, 2-methoxy-3-(1-methyle... | 152 | C8H12N2O | 025773-40-4 | 72 |
| 5 | 4(1H)-Pyrimidinone, 6-methyl-2-(... | 152 | C8H12N2O | 002814-20-2 | 64 |



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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

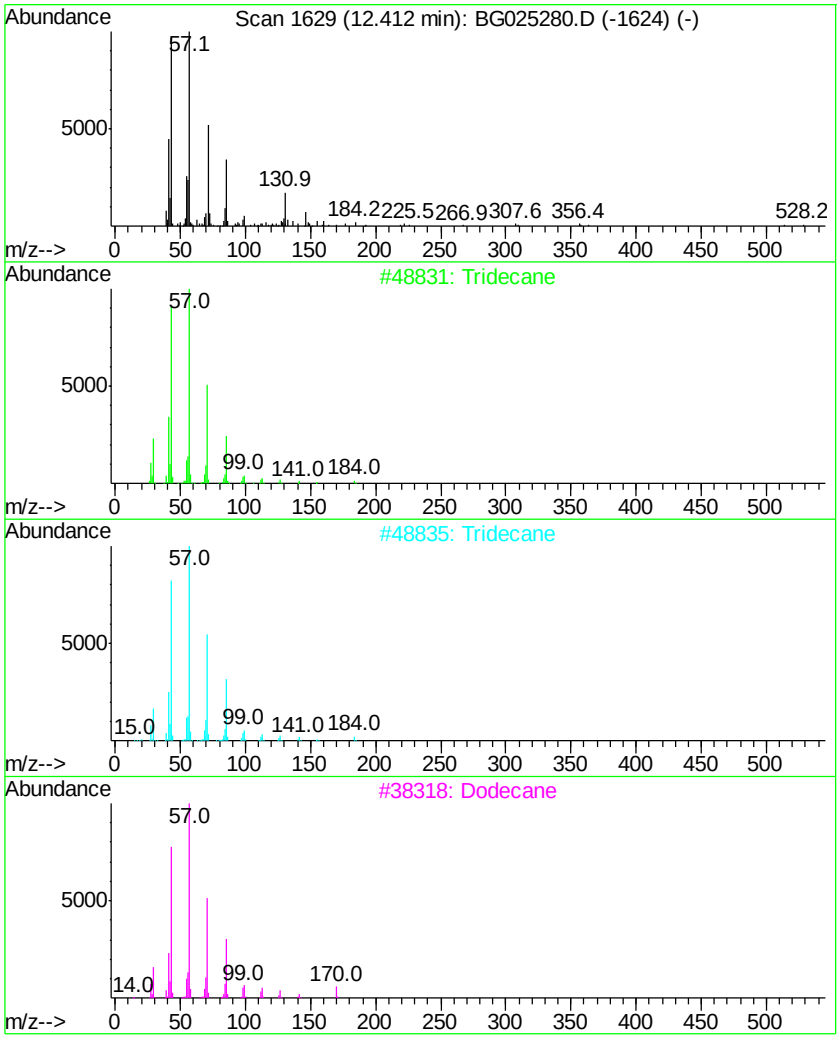
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

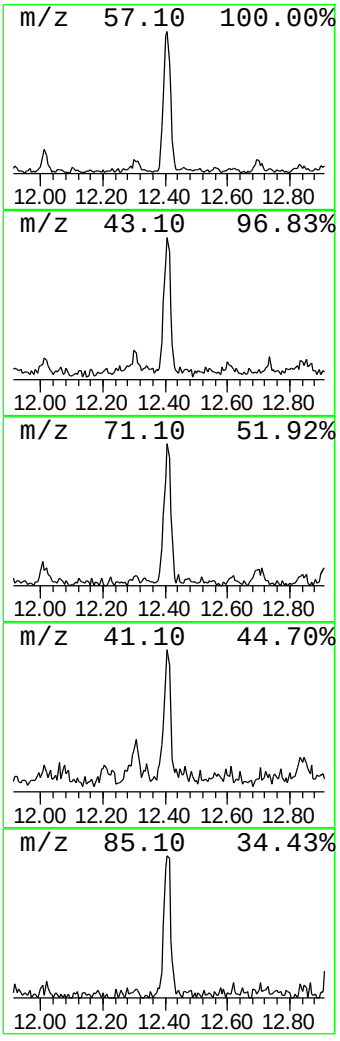
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.41 | 6.37 ng/ul | 272782 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 89 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 89 |
| 3 | Dodecane | 170 | C12H26 | 000112-40-3 | 76 |
| 4 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 64 |
| 5 | Undecane | 156 | C11H24 | 001120-21-4 | 64 |



# Library Search Compound Report

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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

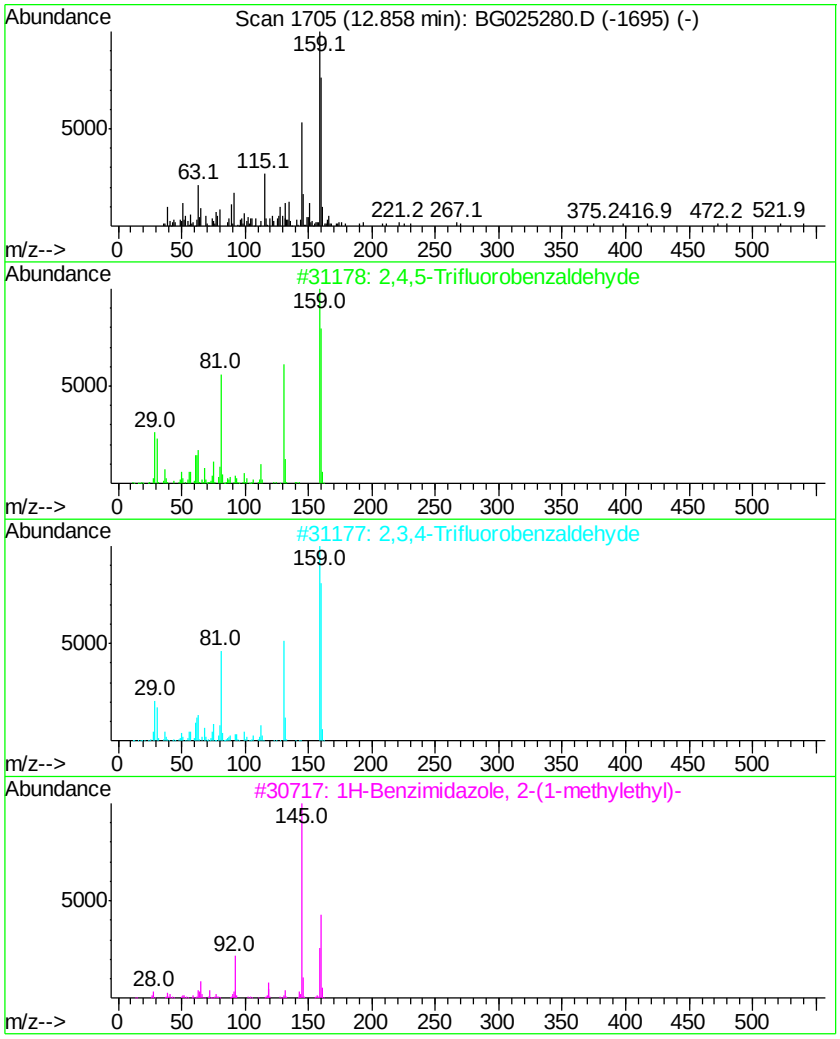
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

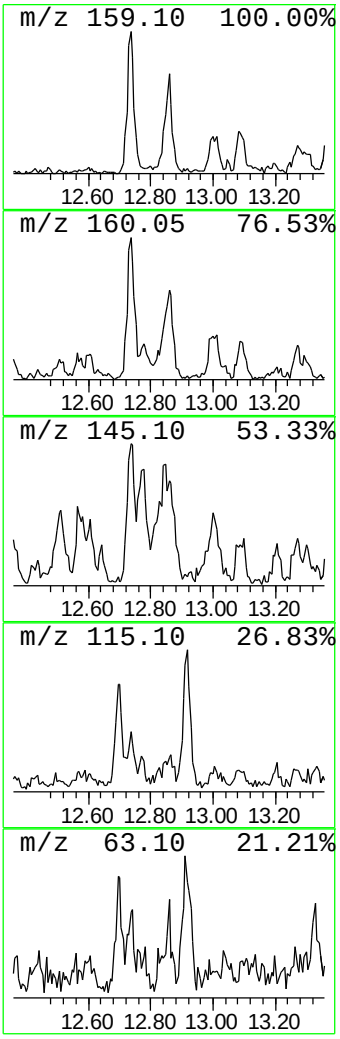
**********

Peak Number 11 2,4,5-Trifluorobenzaldehyde Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.86 | 5.12 ng/ul | 219499 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,5-Trifluorobenzaldehyde | 160 | C7H3F3O | 165047-24-5 | 53 |
| 2 | 2,3,4-Trifluorobenzaldehyde | 160 | C7H3F3O | 161793-17-5 | 53 |
| 3 | 1H-Benzimidazole, 2-(1-methyleth... | 160 | C10H12N2 | 005851-43-4 | 50 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 49 |
| 5 | 4-Chloro-3-fluoroanisole | 160 | C7H6ClFO | 000501-29-1 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

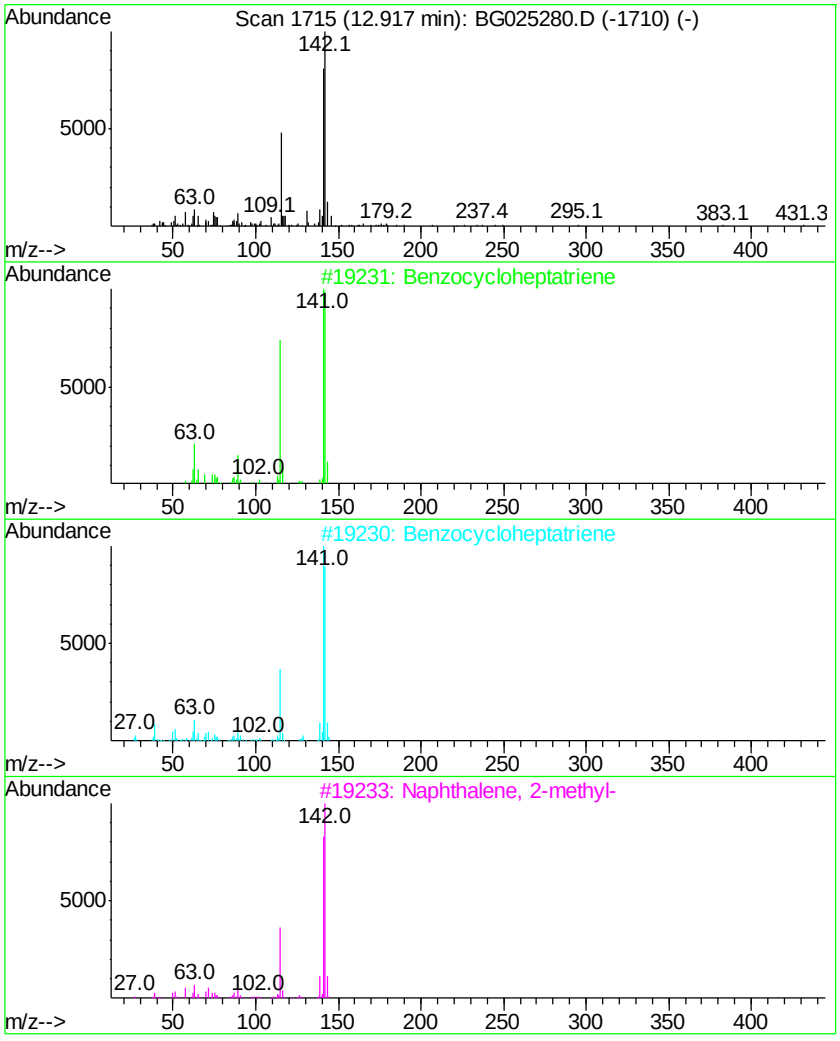
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

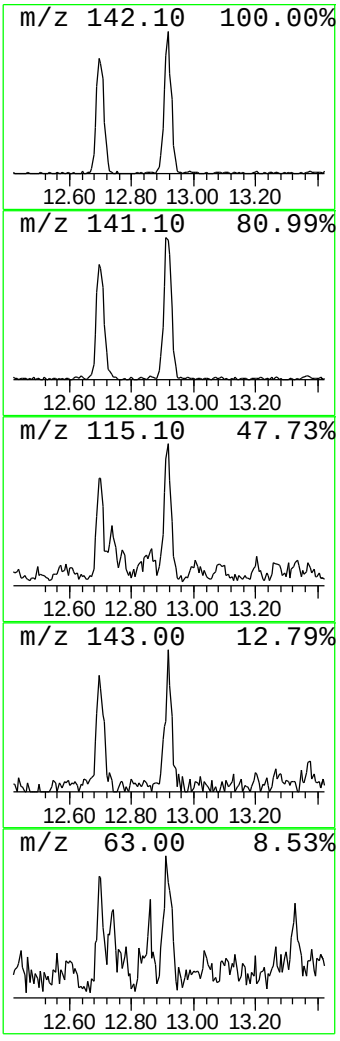
**********

Peak Number 12 Benzocycloheptatriene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.92 | 6.85 ng/ul | 293294 | Naphthalene-d8 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 2 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 87 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 87 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 87 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 87 |



# Library Search Compound Report

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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

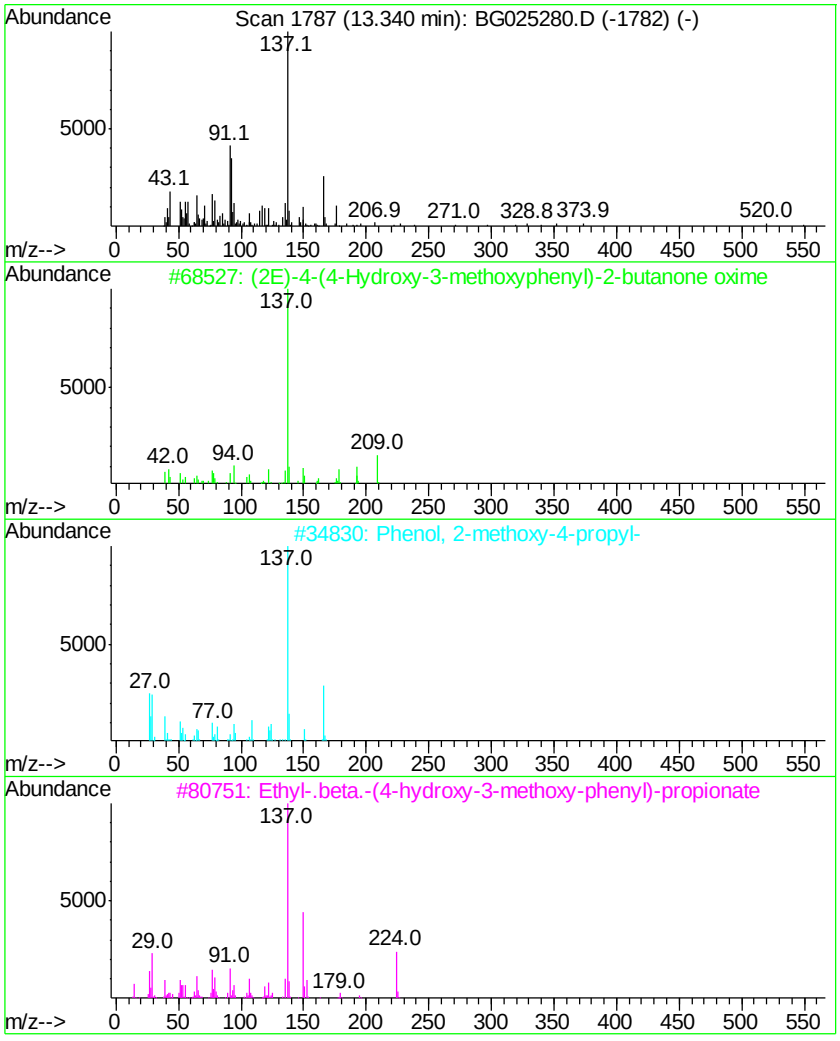
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

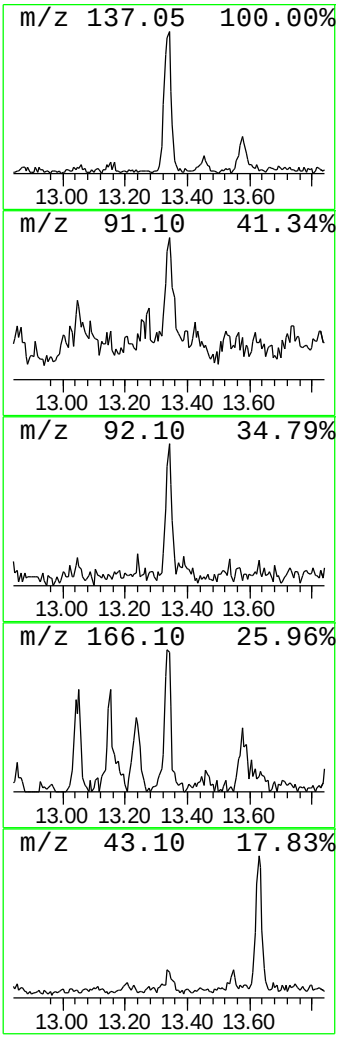
**********

Peak Number 13 (2E)-4-(4-Hydroxy-3-methoxy... Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.34 | 2.97 ng/ul | 183250 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (2E)-4-(4-Hydroxy-3-methoxyphenyl... | 209 | C11H15NO3 | 1000297-96-4 | 50 |
| 2 | Phenol, 2-methoxy-4-propyl- | 166 | C10H14O2 | 002785-87-7 | 49 |
| 3 | Ethyl-.beta.-(4-hydroxy-3-methox... | 224 | C12H16O4 | 061292-90-8 | 47 |
| 4 | 6-Methylnicotinic acid | 137 | C7H7NO2 | 003222-47-7 | 43 |
| 5 | 3-Pyridineacetic acid | 137 | C7H7NO2 | 000501-81-5 | 43 |



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Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

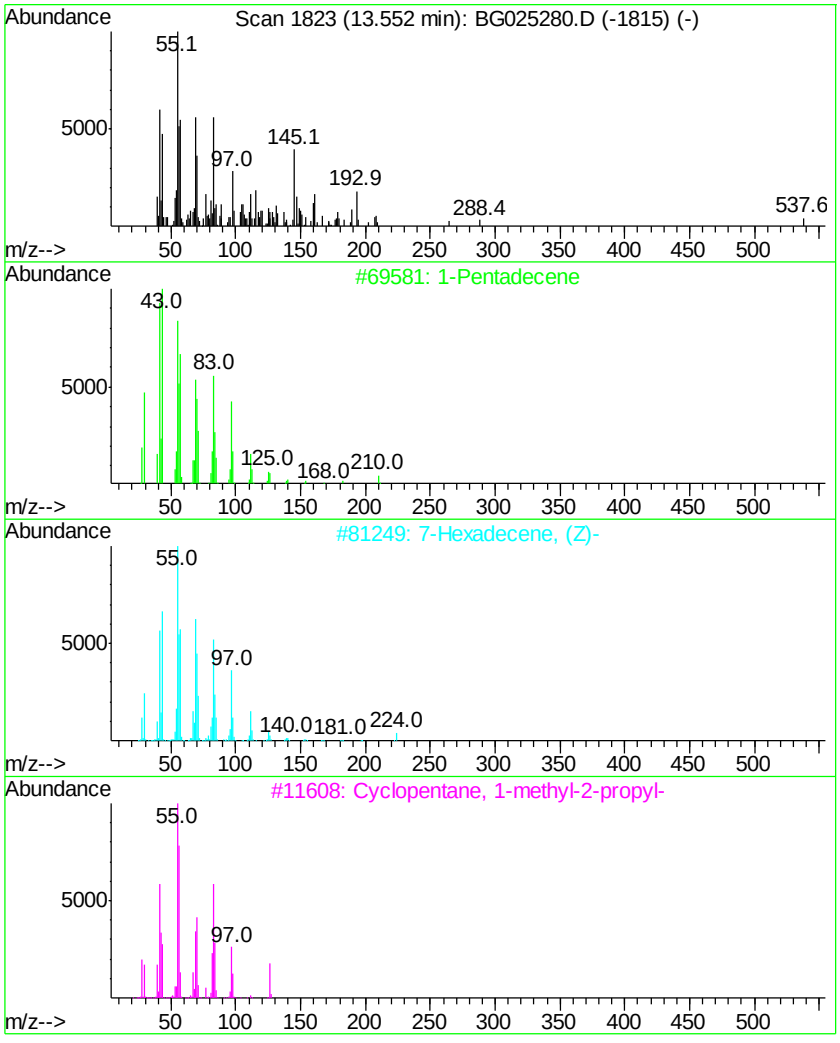
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

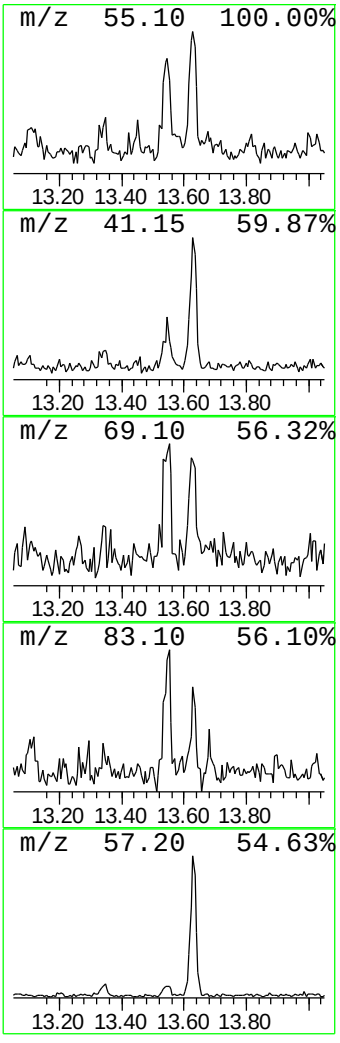
**********

Peak Number 14 (DEL) Alkane: Cyclic13.55 Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.55 | 4.43 ng/ul | 273250 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 76 |
| 2 | 7-Hexadecene, (Z)- | 224 | C16H32 | 035507-09-6 | 64 |
| 3 | Cyclopentane, 1-methyl-2-propyl- | 126 | C9H18 | 003728-57-2 | 62 |
| 4 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 52 |
| 5 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 52 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

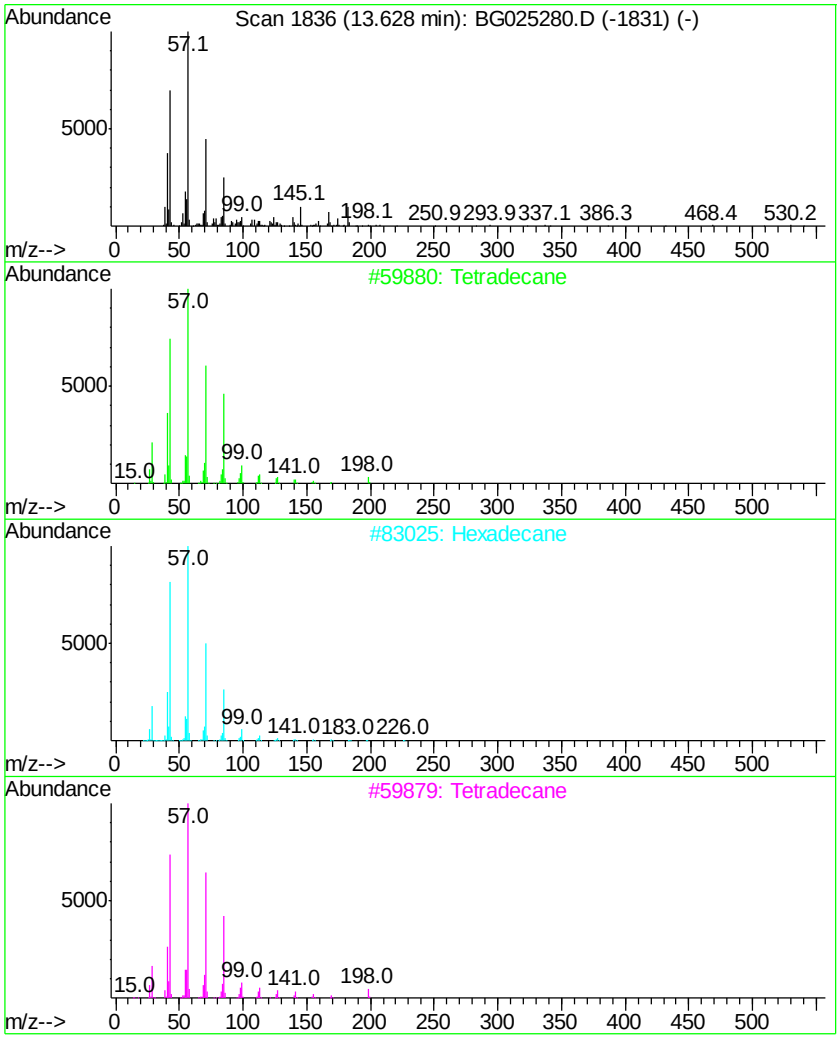
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

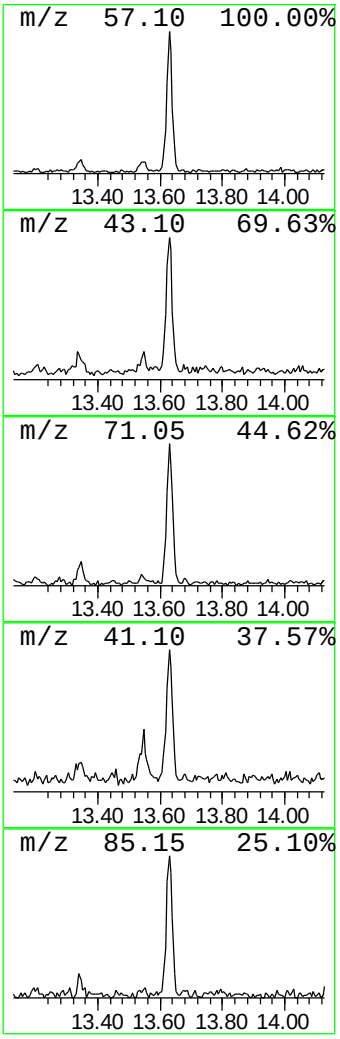
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.63 | 6.64 ng/ul | 408898 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 62 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 60 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 53 |
| 5 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

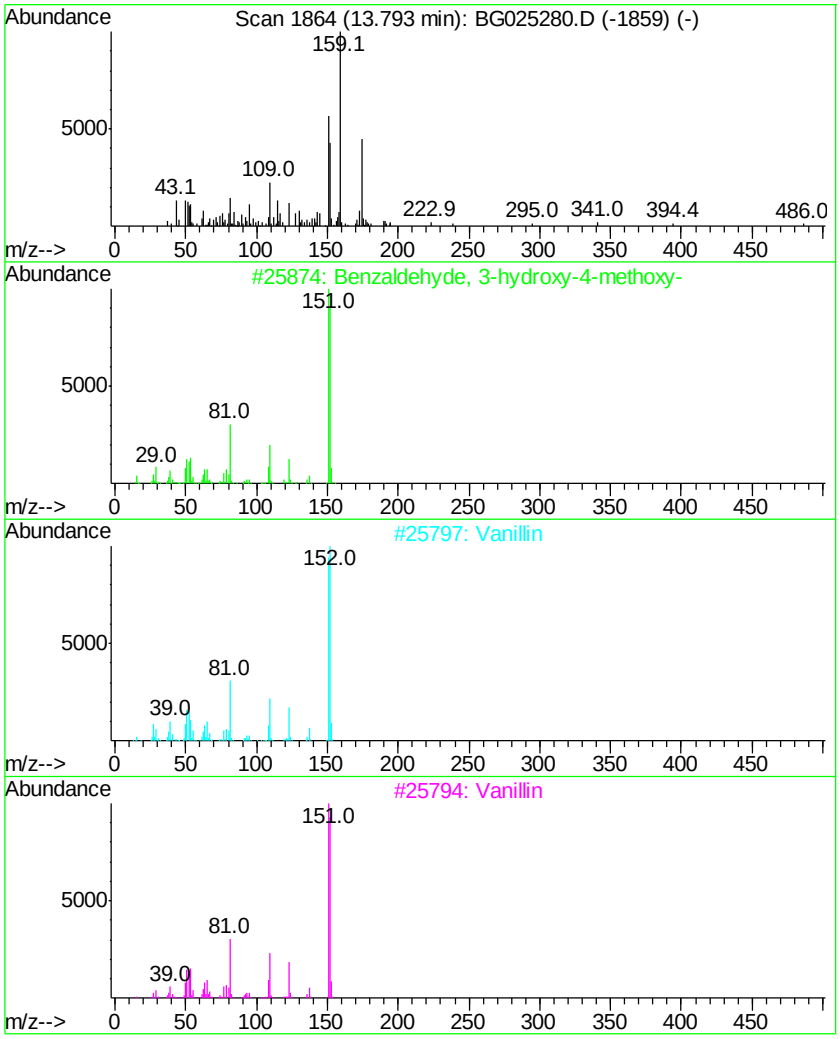
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

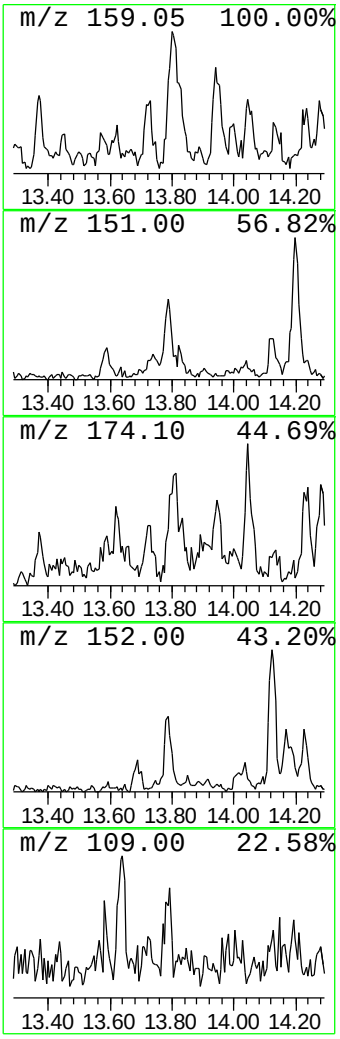
**********

Peak Number 16 Benzaldehyde, 3-hydroxy-4-m... Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.79 | 2.06 ng/ul | 126993 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3 | 000621-59-0 | 50 |
| 2 | Vanillin | 152 | C8H8O3 | 000121-33-5 | 45 |
| 3 | Vanillin | 152 | C8H8O3 | 000121-33-5 | 43 |
| 4 | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3 | 000621-59-0 | 43 |
| 5 | Benzaldehyde, 4-(methylthio)- | 152 | C8H8OS | 003446-89-7 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

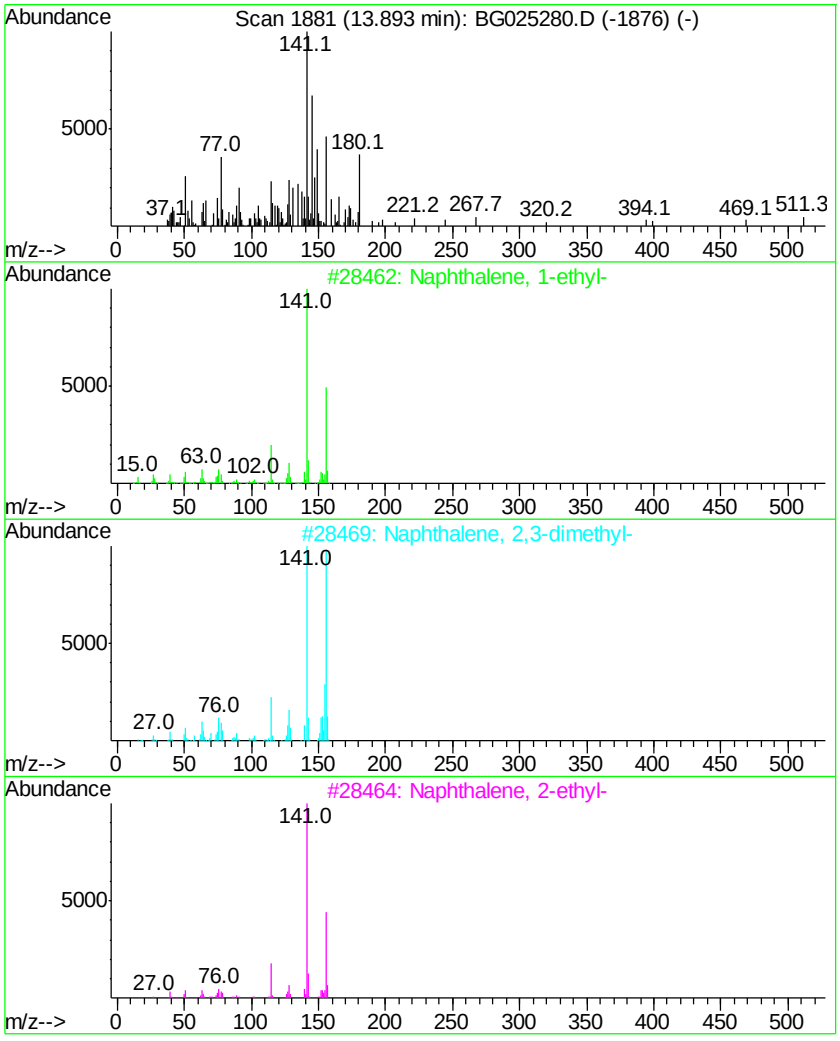
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

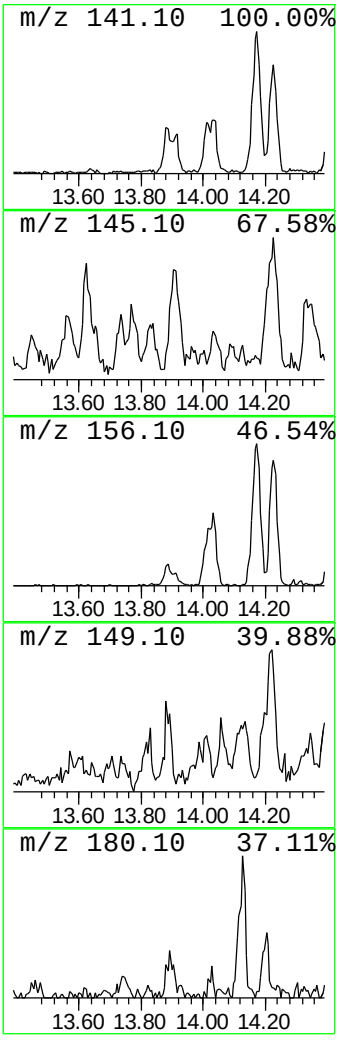
**********

Peak Number 17 unknown-01 Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 3.49 ng/ul | 215033 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 30 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 30 |
| 3 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 27 |
| 4 | Methyl phenylphosphinic acid | 156 | C7H9O2P | 004271-13-0 | 27 |
| 5 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 27 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

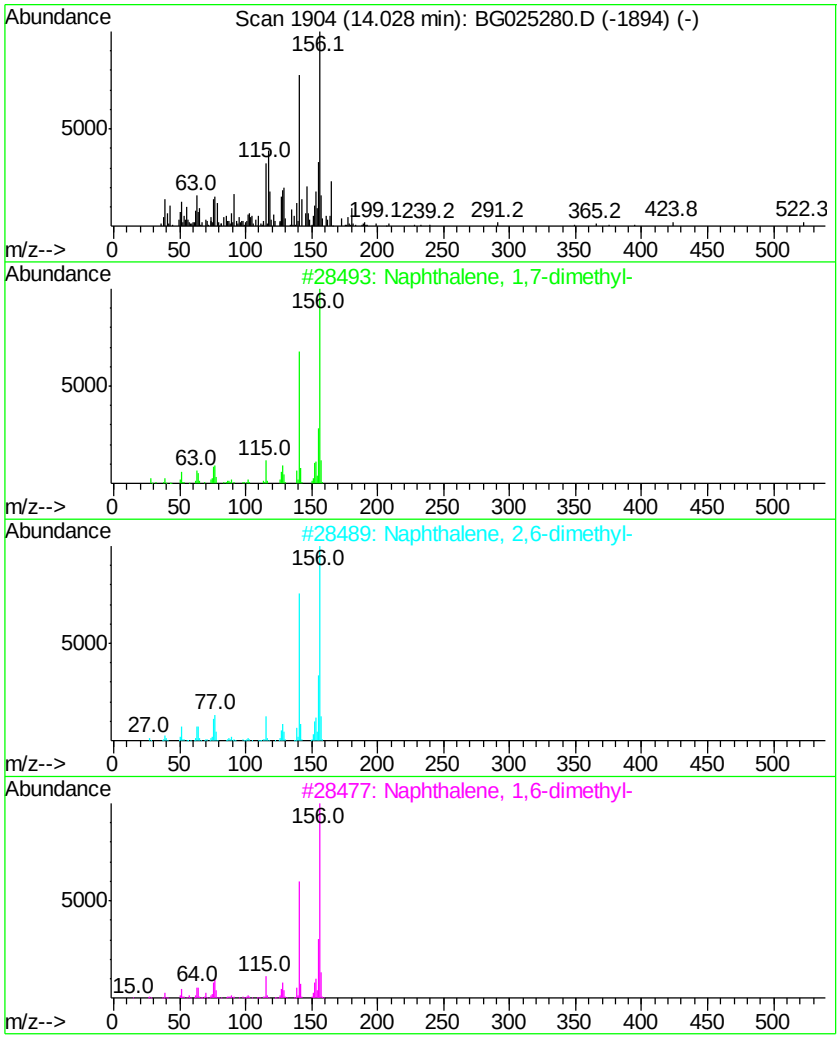
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

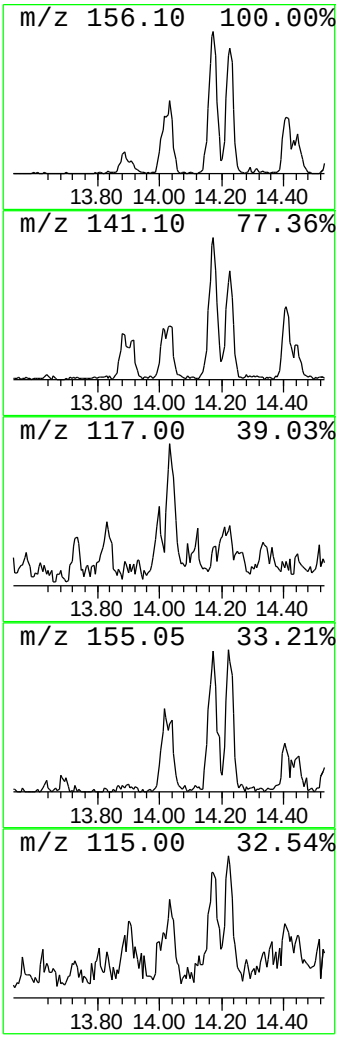
**********

Peak Number 18 Naphthalene, 1,7-dimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.03 | 7.88 ng/ul | 485240 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 91 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 90 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 90 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 90 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 90 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

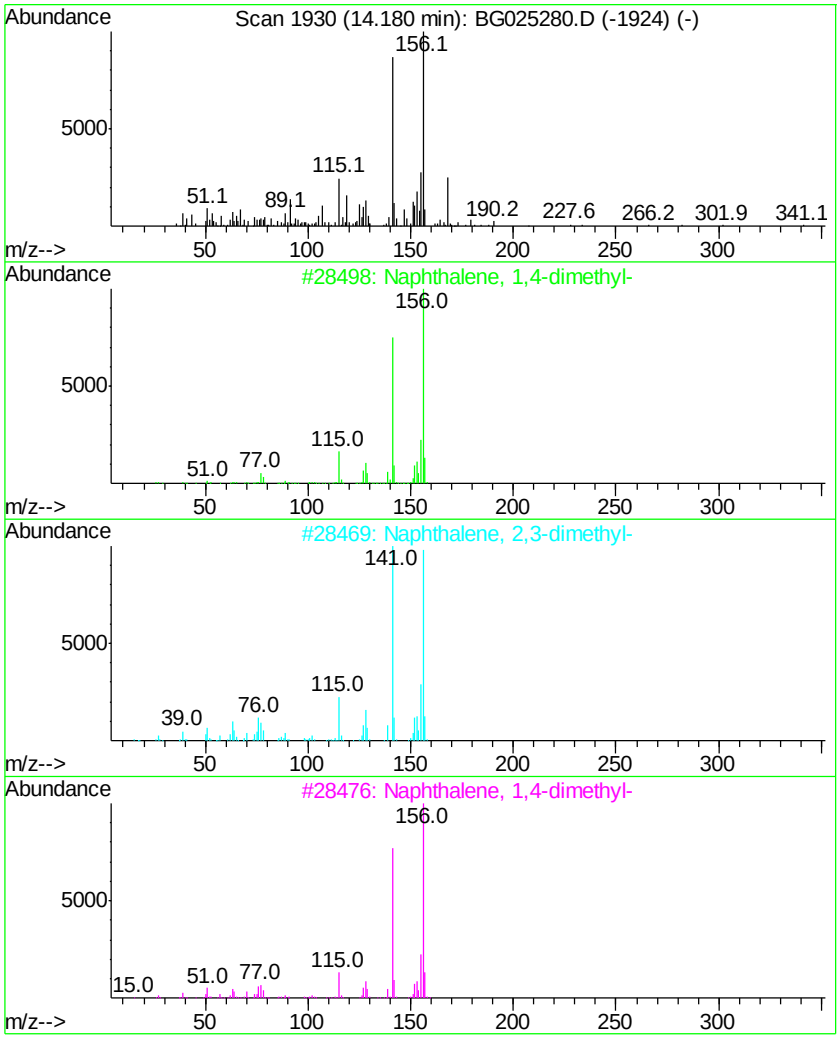
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

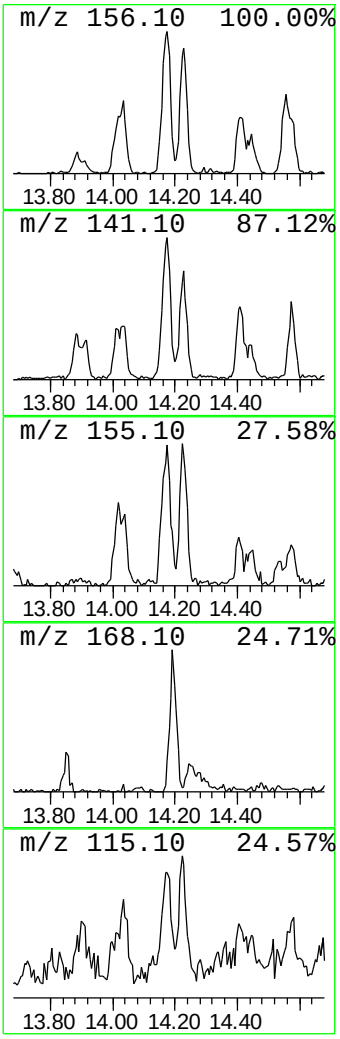
**********

Peak Number 19 Naphthalene, 1,4-dimethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.18 | 6.84 ng/ul | 421281 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 87 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 87 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 87 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 87 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 87 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

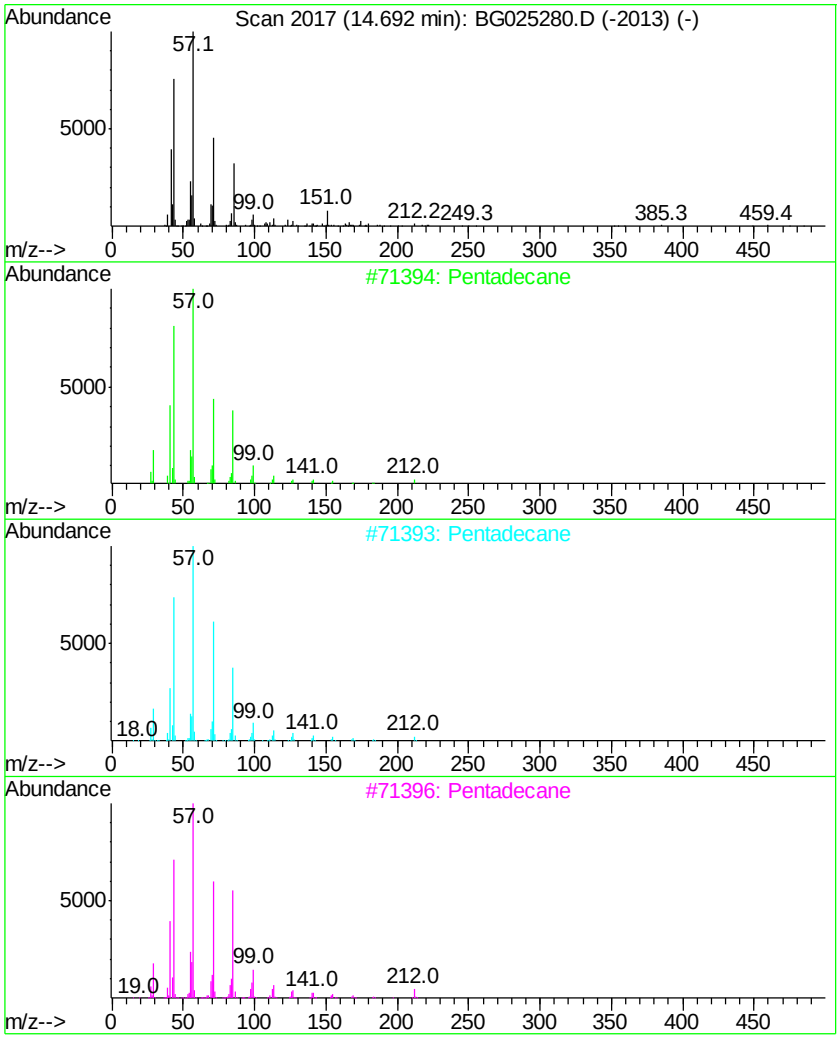
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

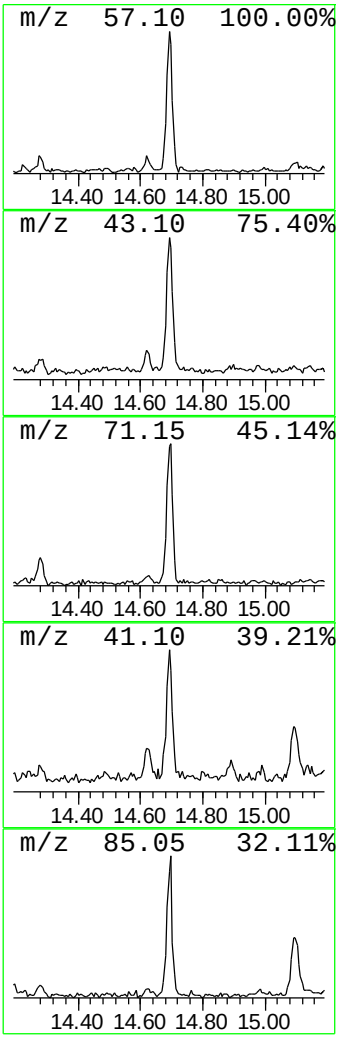
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 8.46 ng/ul | 521009 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 5 | Dodecane | 170 | C12H26 | 000112-40-3 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

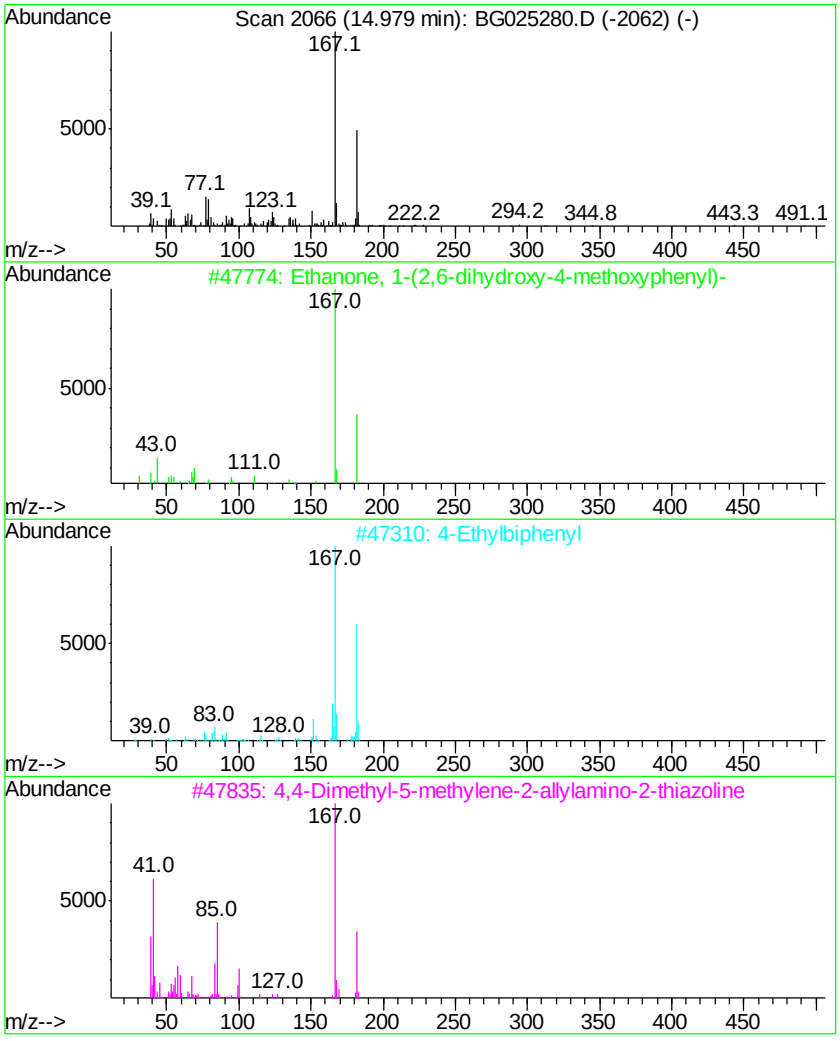
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

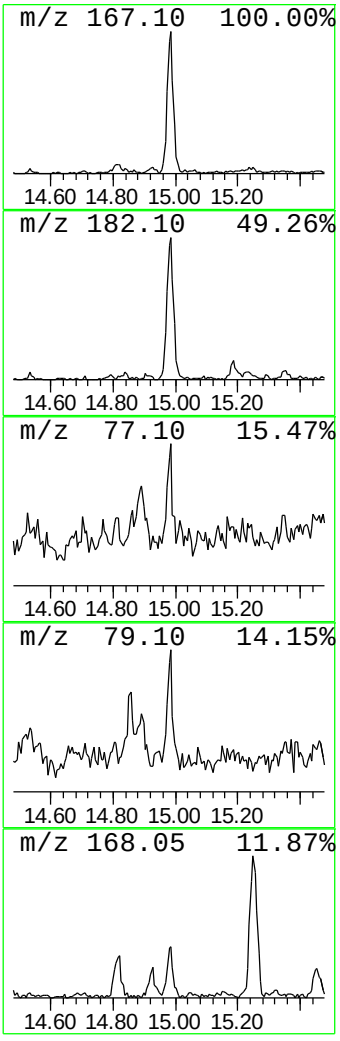
**********

Peak Number 21 Ethanone, 1-(2,6-dihydroxy-... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.98 | 5.95 ng/ul | 366762 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(2,6-dihydroxy-4-met... | 182 | C9H10O4 | 007507-89-3 | 72 |
| 2 | 4-Ethylbiphenyl | 182 | C14H14 | 005707-44-8 | 72 |
| 3 | 4,4-Dimethyl-5-methylene-2-allyl... | 182 | C9H14N2S | 037120-29-9 | 72 |
| 4 | Phenol, 3-[(trimethylsilyl)oxy]- | 182 | C9H14O2Si | 017882-01-8 | 72 |
| 5 | Benzene, 1,1'-ethylidenebis- | 182 | C14H14 | 000612-00-0 | 72 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

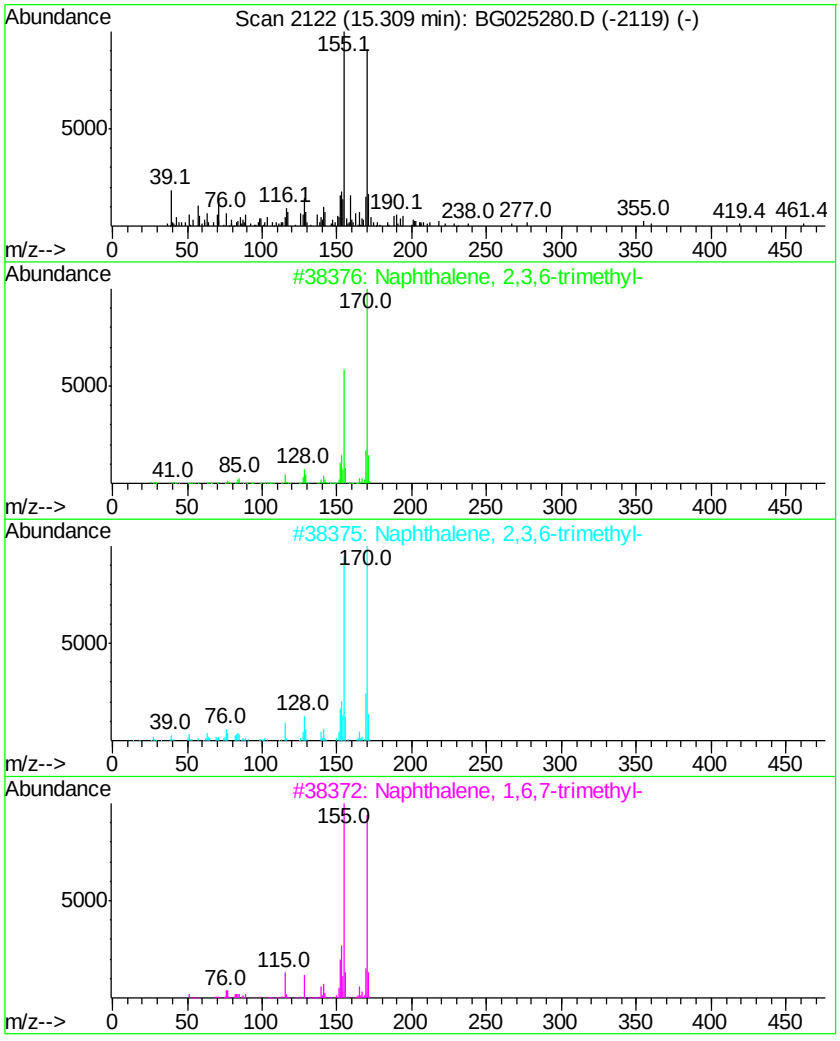
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

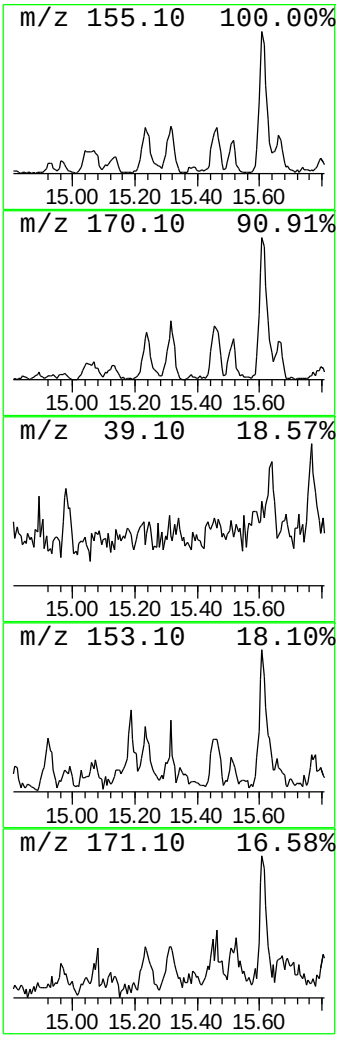
**********

Peak Number 22 Naphthalene, 2,3,6-trimethyl- Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.31 | 2.37 ng/ul | 146216 | 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 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 83 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 83 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 83 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

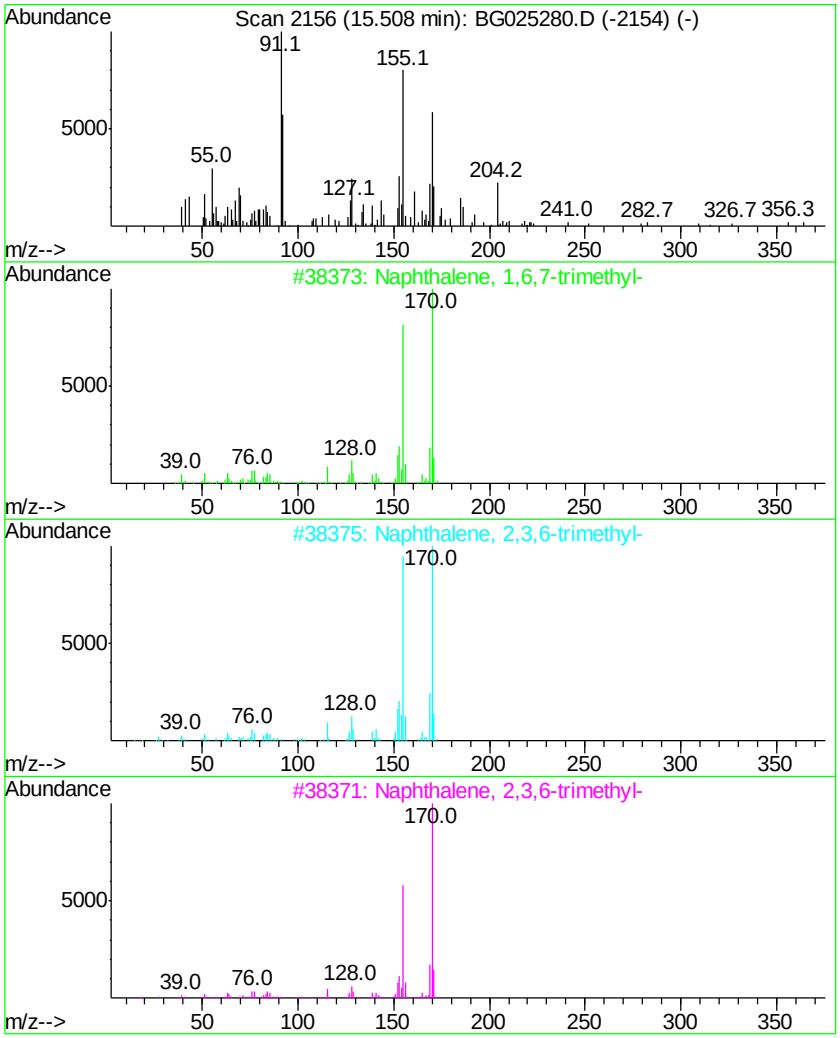
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

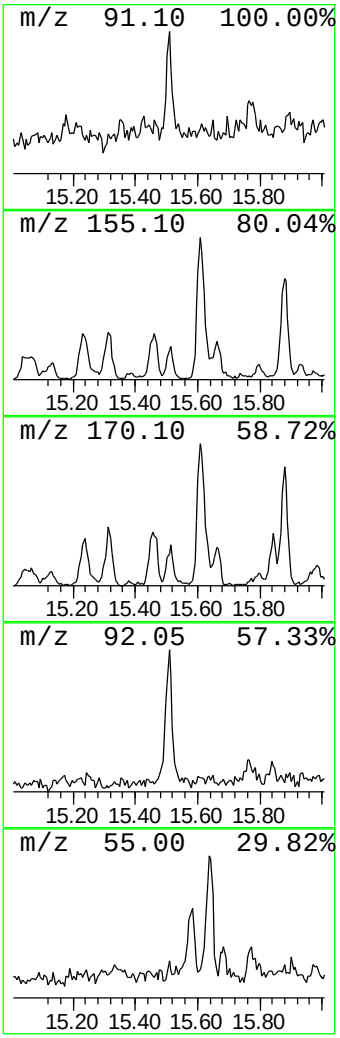
**********

Peak Number 24 Naphthalene, 1,6,7-trimethyl- Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.51 | 2.79 ng/ul | 171768 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 76 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 76 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 64 |
| 5 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

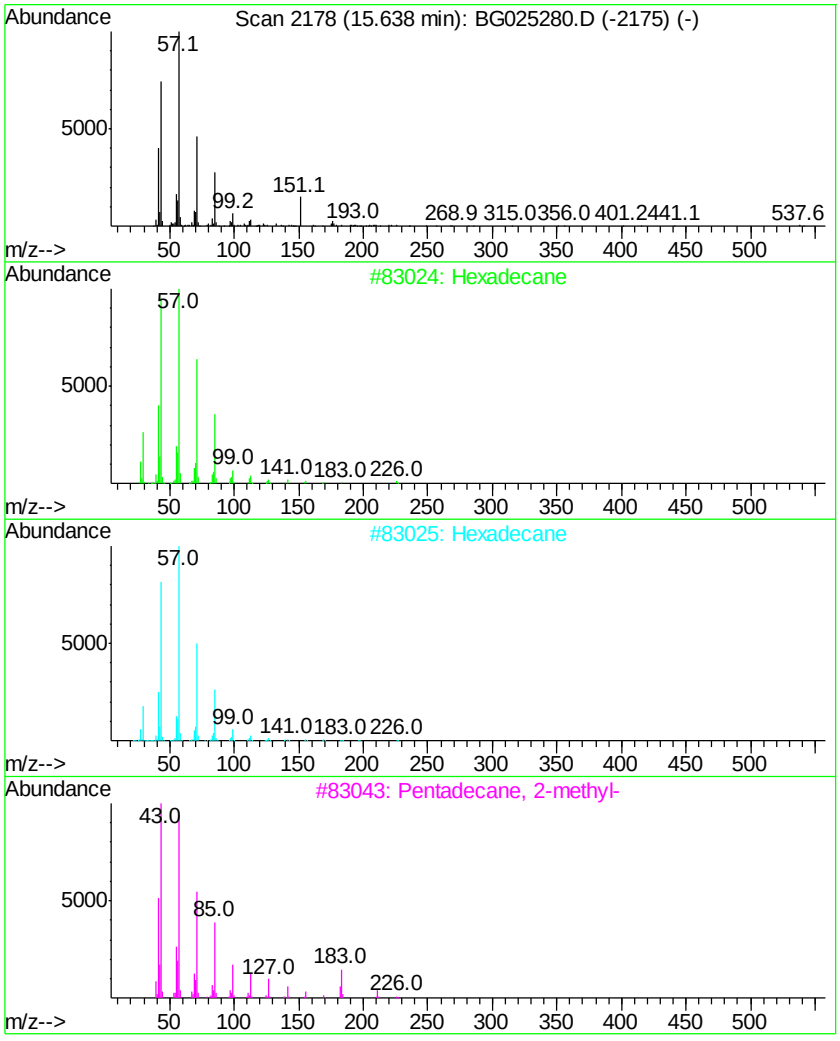
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

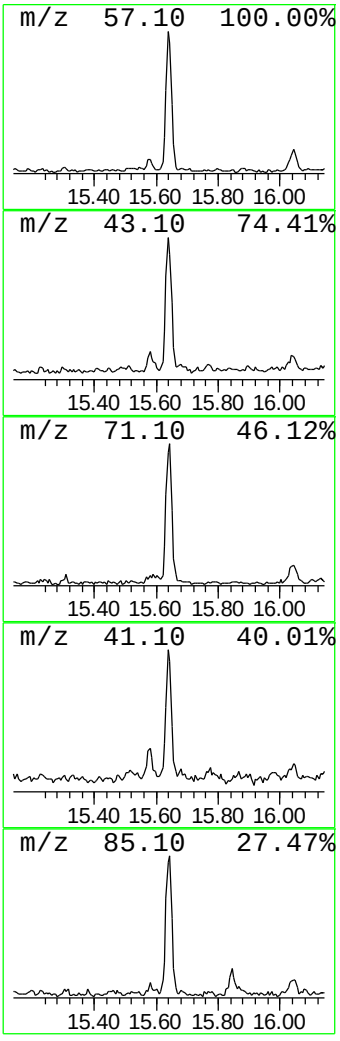
**********

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.64 | 10.07 ng/ul | 620308 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 81 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 3 | Pentadecane, 2-methyl- | 226 | C16H34 | 001560-93-6 | 64 |
| 4 | Dodecane, 5-methyl- | 184 | C13H28 | 017453-93-9 | 59 |
| 5 | Decane, 1-bromo-2-methyl- | 234 | C11H23Br | 127839-47-8 | 59 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

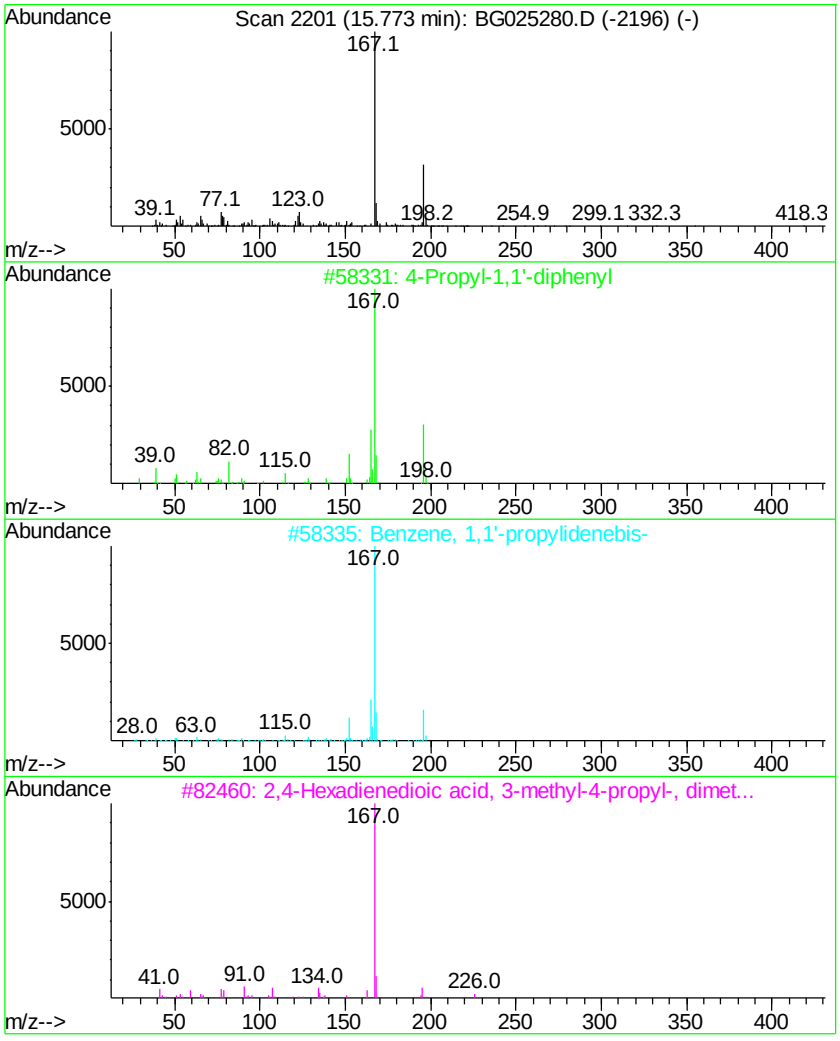
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

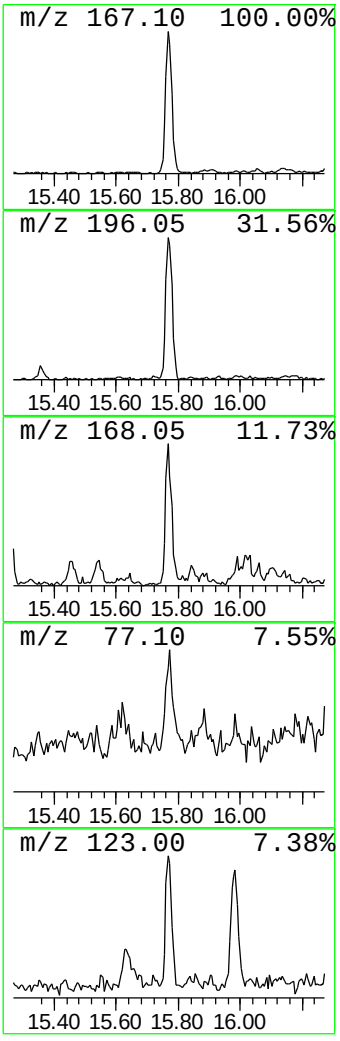
**********

Peak Number 27 4-Propyl-1,1'-diphenyl Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.77 | 13.76 ng/ul | 847547 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Propyl-1,1'-diphenyl | 196 | C15H16 | 010289-45-9 | 50 |
| 2 | Benzene, 1,1'-propylidenebis- | 196 | C15H16 | 001530-03-6 | 50 |
| 3 | 2,4-Hexadienedioic acid, 3-methy... | 226 | C12H18O4 | 069796-13-0 | 42 |
| 4 | Heptane, 1,1-diphenyl- | 252 | C19H24 | 001530-05-8 | 40 |
| 5 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 40 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

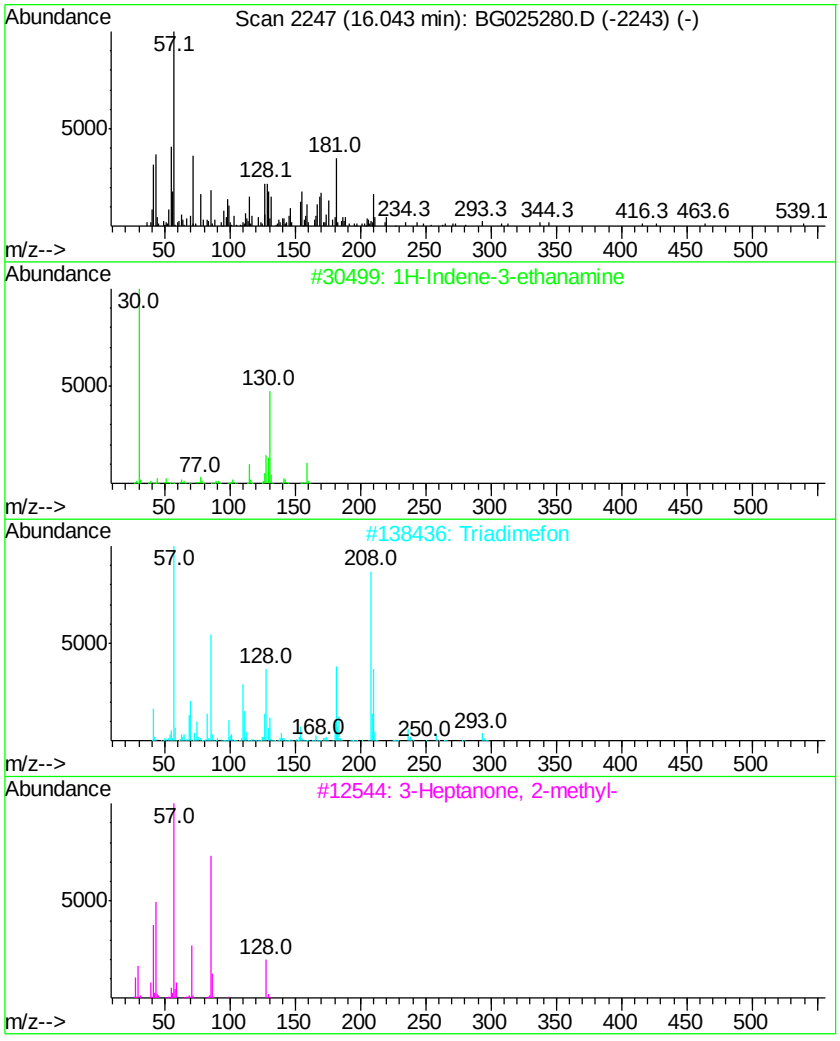
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

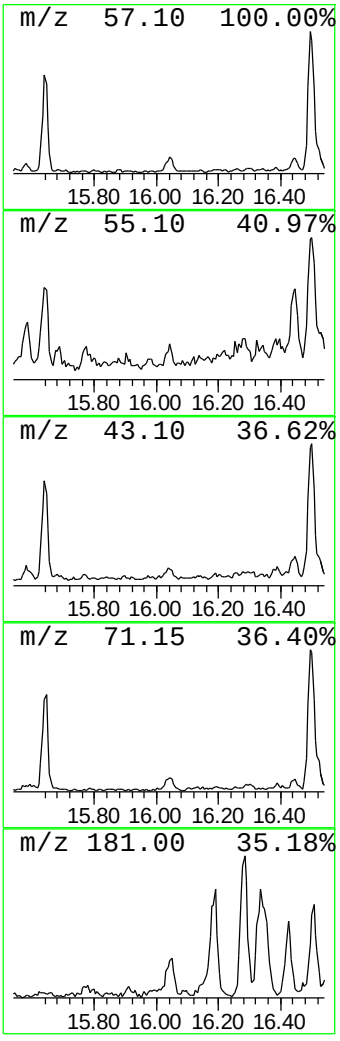
**********

Peak Number 28 unknown-02 Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.04 | 3.01 ng/ul | 185269 | Acenaphthene-d10 | 14.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene-3-ethanamine | 159 | C11H13N | 015940-39-3 | 11 |
| 2 | Triadimefon | 293 | C14H16ClN3O2 | 043121-43-3 | 10 |
| 3 | 3-Heptanone, 2-methyl- | 128 | C8H16O | 013019-20-0 | 9 |
| 4 | 3-Heptanone, 2-methyl- | 128 | C8H16O | 013019-20-0 | 9 |
| 5 | 4-Heptanone, 2-methyl- | 128 | C8H16O | 000626-33-5 | 9 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

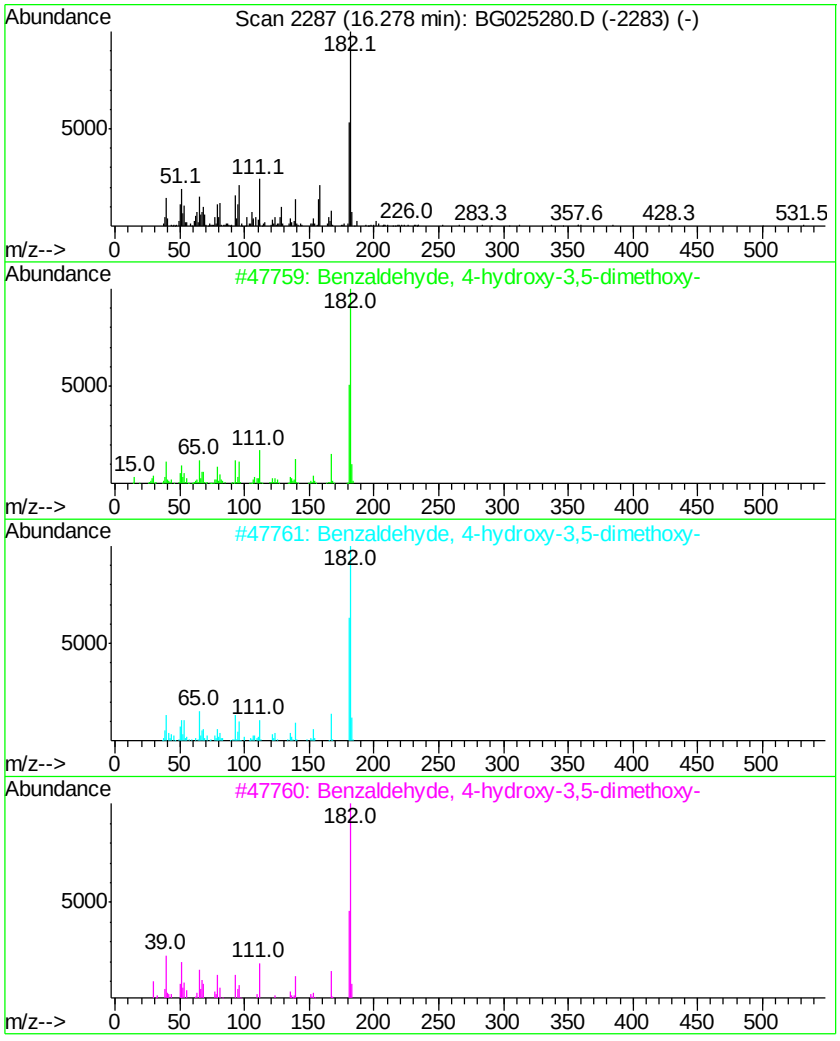
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

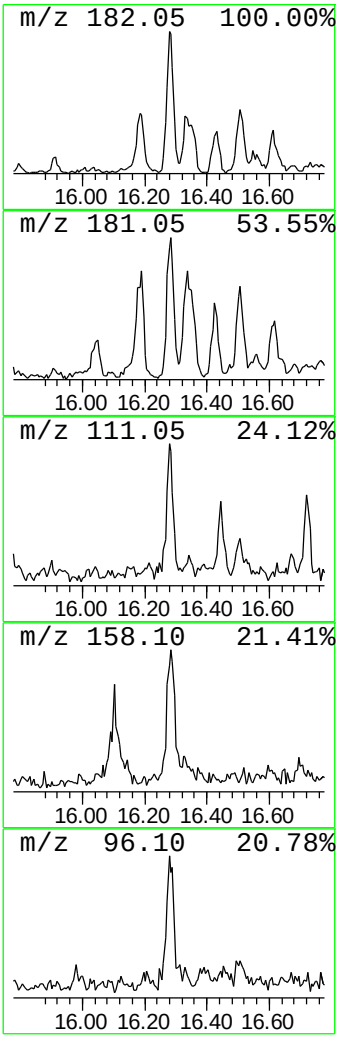
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.28 | 5.41 ng/ul | 433317 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 4-hydroxy-3,5-dime... | 182 | C9H10O4 | 000134-96-3 | 89 |
| 2 | Benzaldehyde, 4-hydroxy-3,5-dime... | 182 | C9H10O4 | 000134-96-3 | 64 |
| 3 | Benzaldehyde, 4-hydroxy-3,5-dime... | 182 | C9H10O4 | 000134-96-3 | 59 |
| 4 | 4-Acetoxy-3,5-dimethoxybenzaldehyde | 224 | C11H12O5 | 053669-33-3 | 47 |
| 5 | 7-Phosphabicyclo[2.2.1]hept-2-en... | 182 | C11H19P | 1000151-83-5 | 47 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

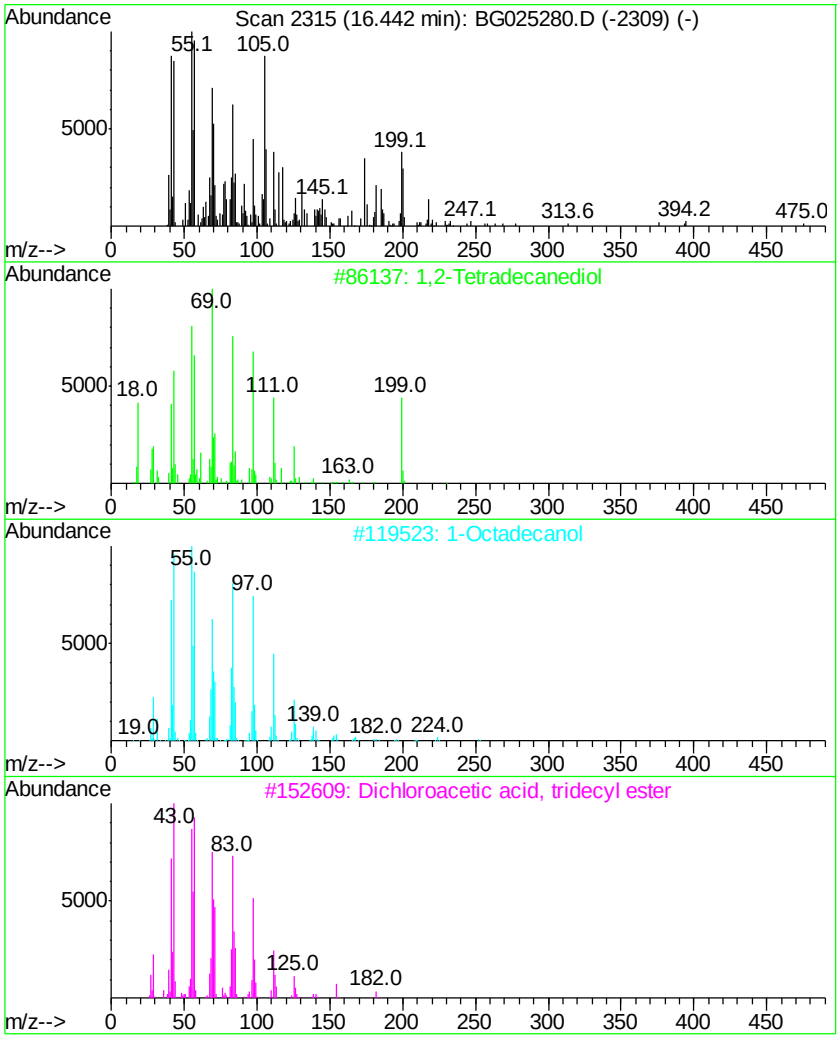
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

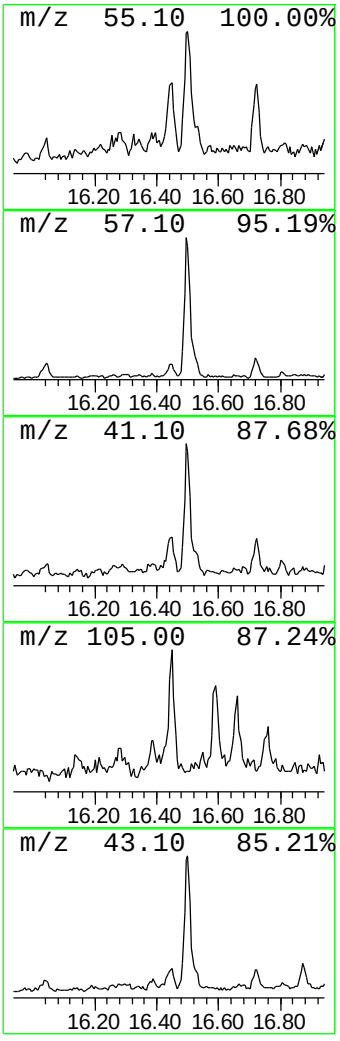
**********

Peak Number 30 unknown-03 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.44 | 6.04 ng/ul | 484196 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Tetradecanediol | 230 | C14H30O2 | 021129-09-9 | 38 |
| 2 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 18 |
| 3 | Dichloroacetic acid, tridecyl ester | 310 | C15H28Cl2O2 | 1000280-48-3 | 18 |
| 4 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 15 |
| 5 | Cyclohexane, 1,2,4,5-tetraethyl-... | 196 | C14H28 | 061142-24-3 | 14 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

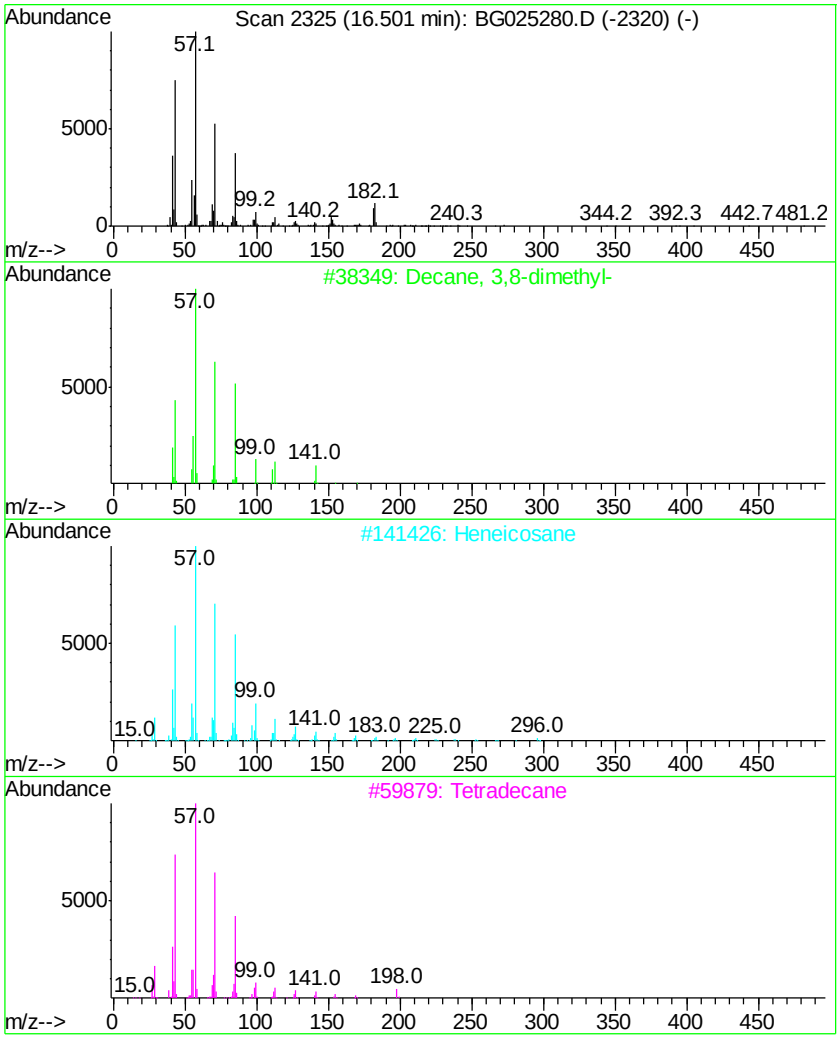
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

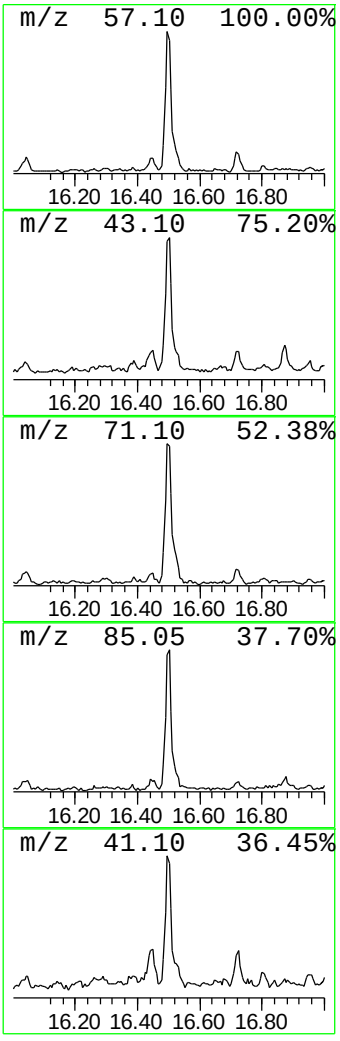
**********

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 13.20 ng/ul | 1057150 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 60 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 58 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 58 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 58 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 58 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

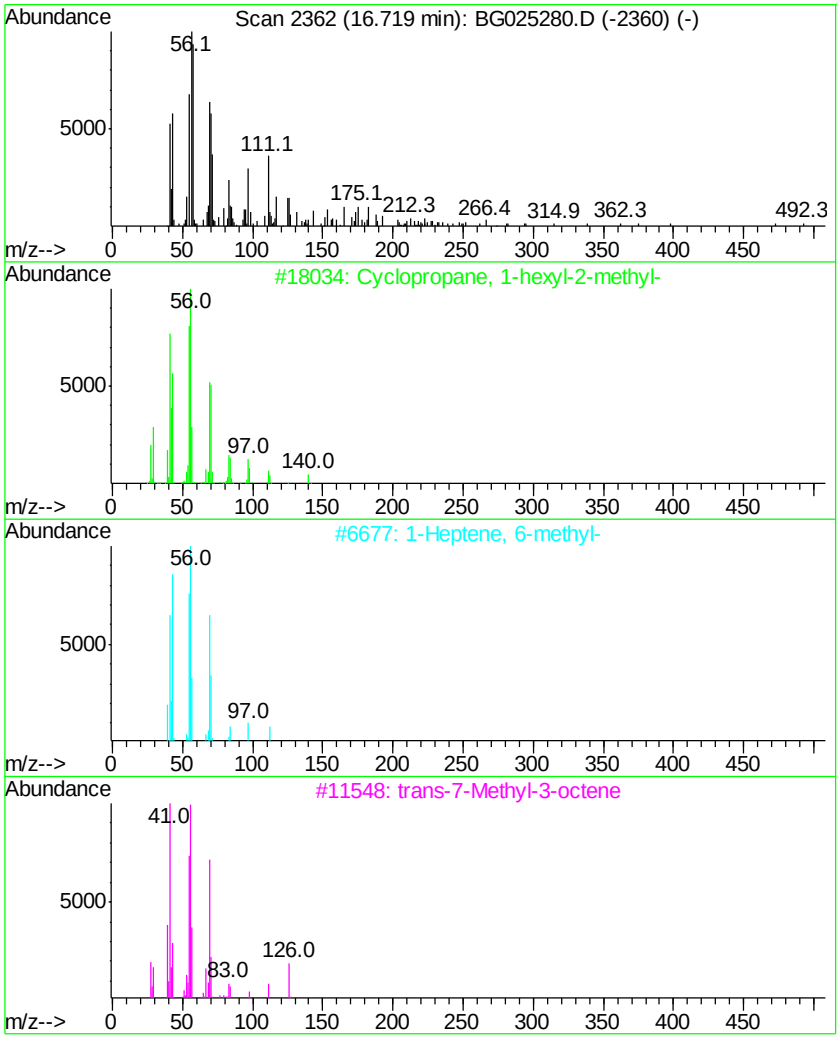
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

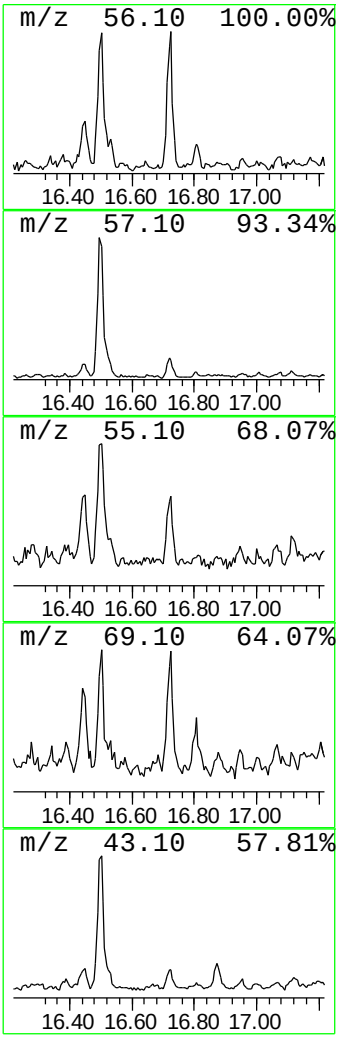
**********

Peak Number 33 (DEL) Alkane: Cyclic16.72 Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 4.02 ng/ul | 322199 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 1-hexyl-2-methyl- | 140 | C10H20 | 062238-09-9 | 53 |
| 2 | 1-Heptene, 6-methyl- | 112 | C8H16 | 005026-76-6 | 49 |
| 3 | trans-7-Methyl-3-octene | 126 | C9H18 | 1000113-52-8 | 49 |
| 4 | Cyclopropane, 1,2-dimethyl-1-pen... | 140 | C10H20 | 062238-04-4 | 46 |
| 5 | 1-Heptene, 2-methyl- | 112 | C8H16 | 015870-10-7 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

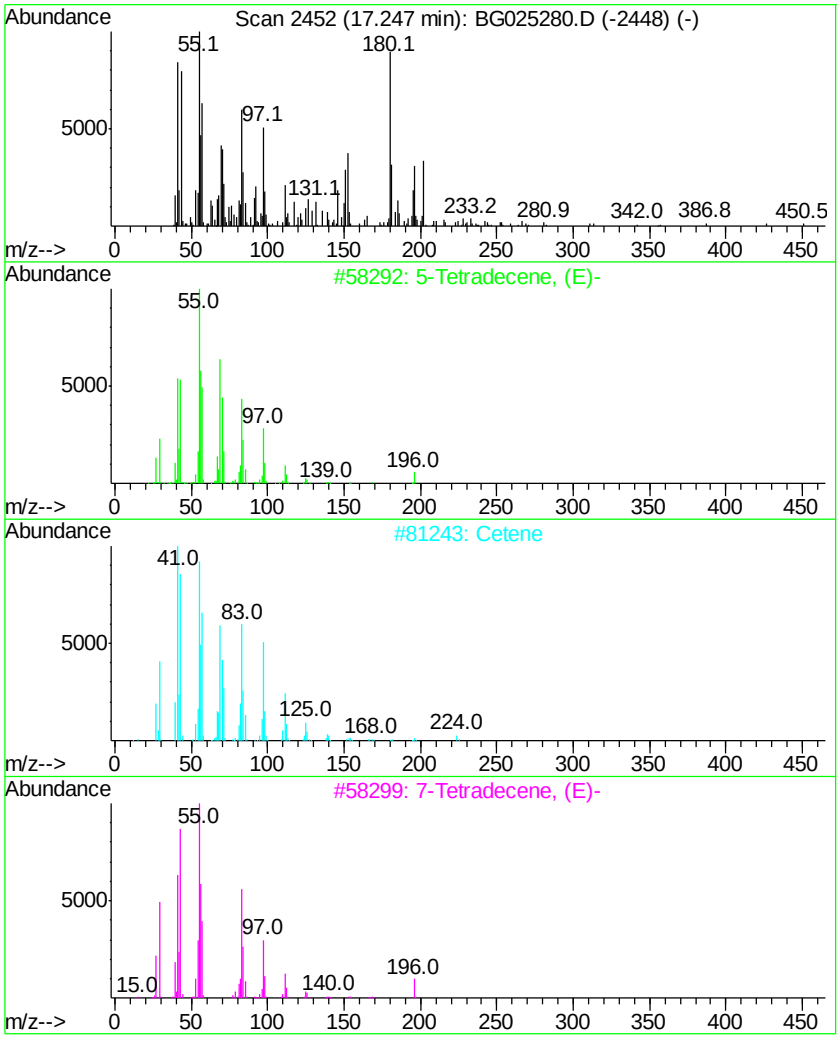
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

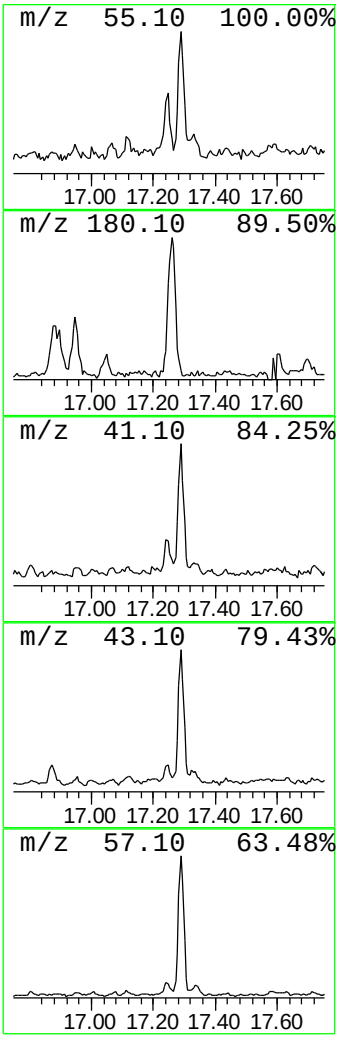
**********

Peak Number 36 (DEL) Alkane: Cyclic17.25 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.25 | 5.43 ng/ul | 435253 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Tetradecene, (E)- | 196 | C14H28 | 041446-66-6 | 70 |
| 2 | Cetene | 224 | C16H32 | 000629-73-2 | 62 |
| 3 | 7-Tetradecene, (E)- | 196 | C14H28 | 041446-63-3 | 49 |
| 4 | 4-Tetradecene, (E)- | 196 | C14H28 | 041446-78-0 | 49 |
| 5 | 2-Tetradecene, (E)- | 196 | C14H28 | 035953-54-9 | 45 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

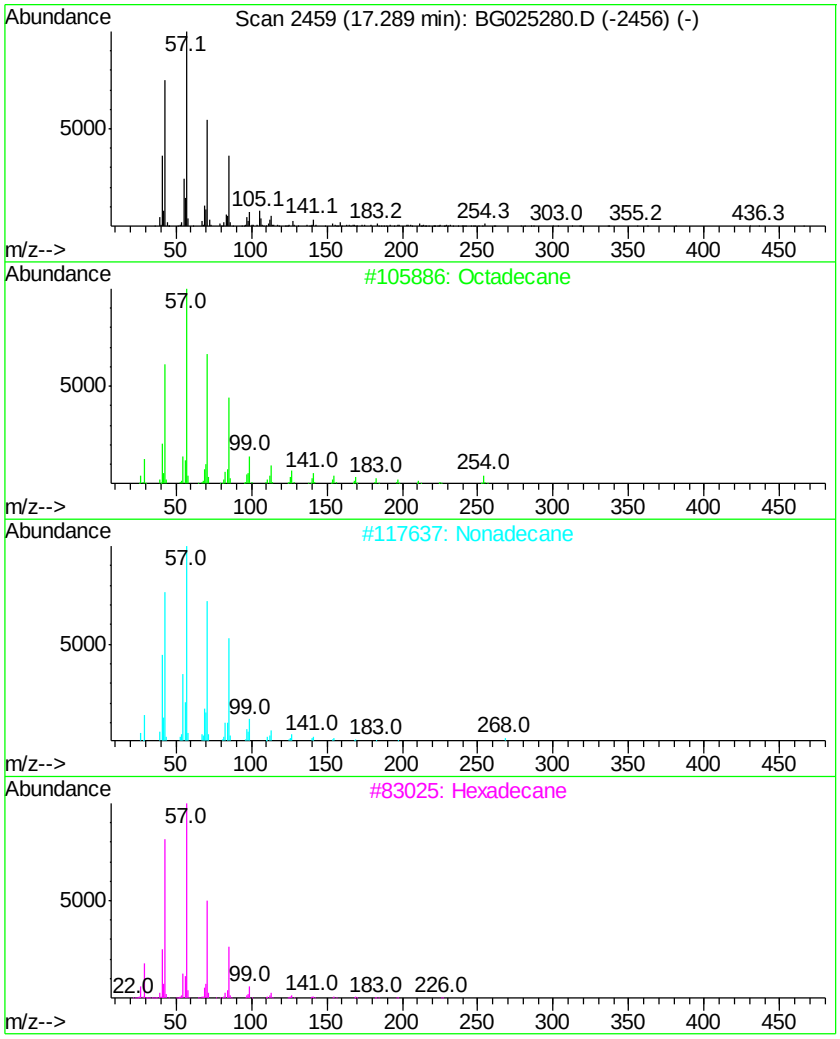
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

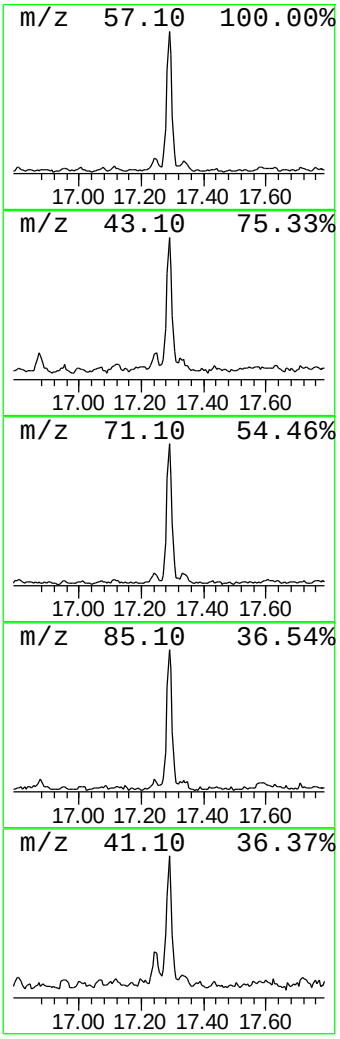
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.29 | 11.11 ng/ul | 889736 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 4 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 86 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 81 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

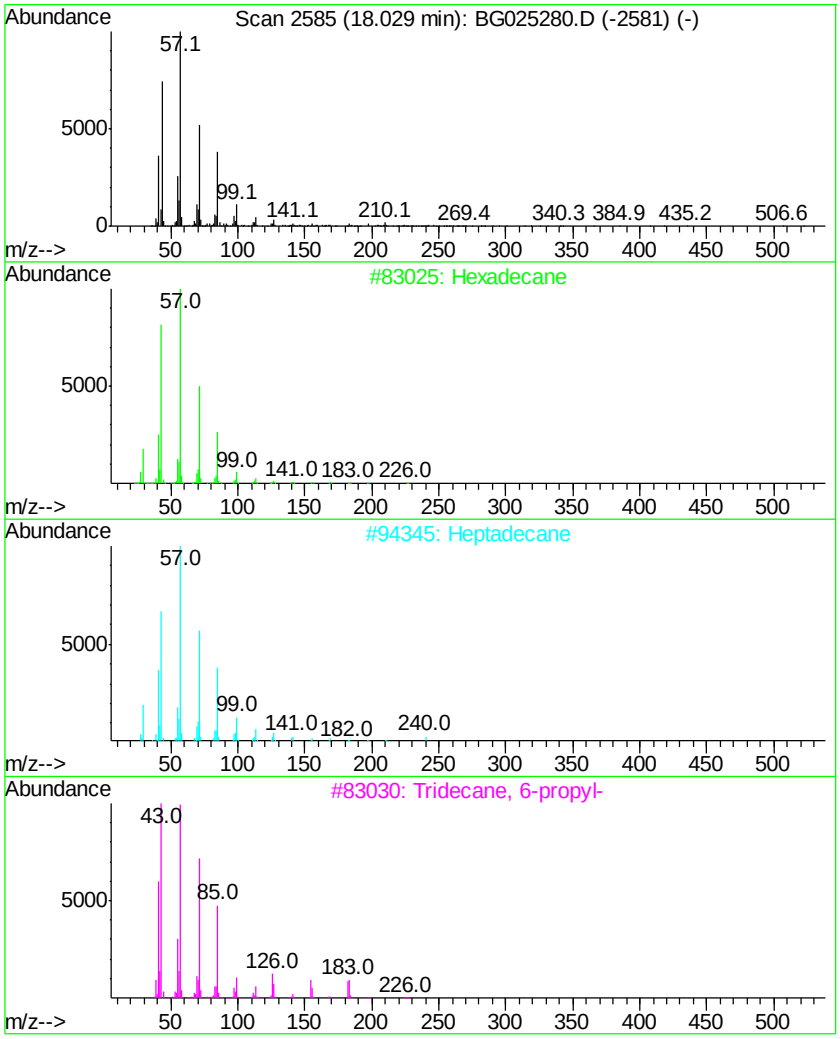
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

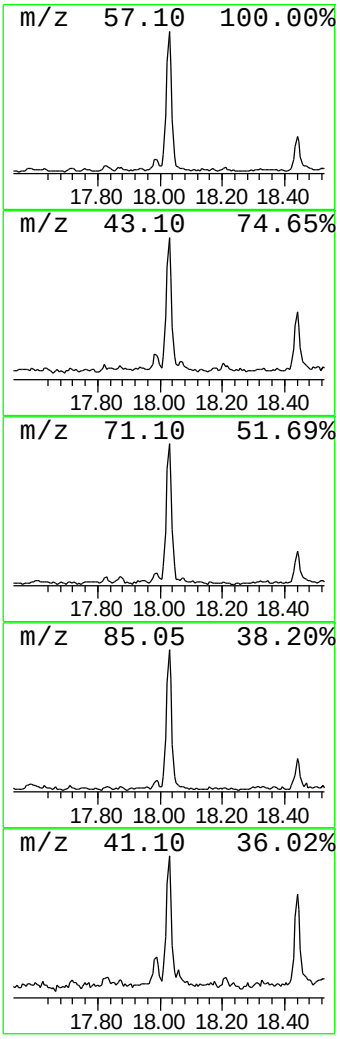
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 17.81 ng/ul | 1426610 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 94 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 3 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 93 |
| 4 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 91 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 90 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

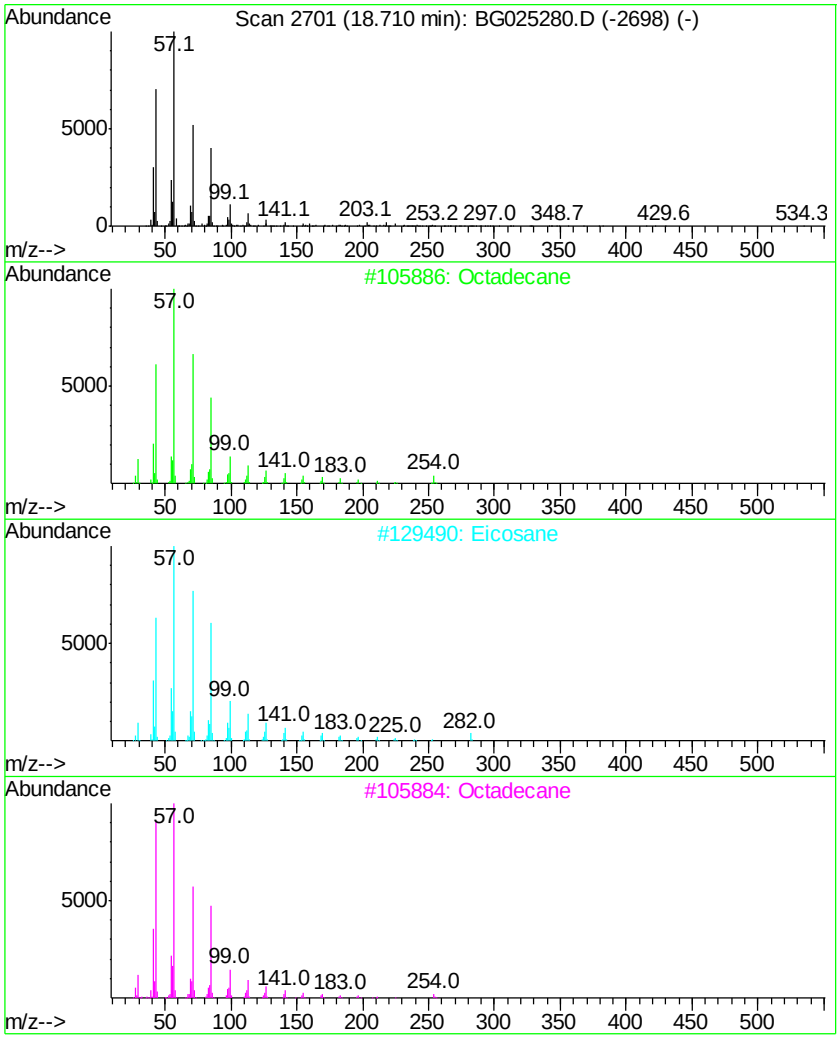
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

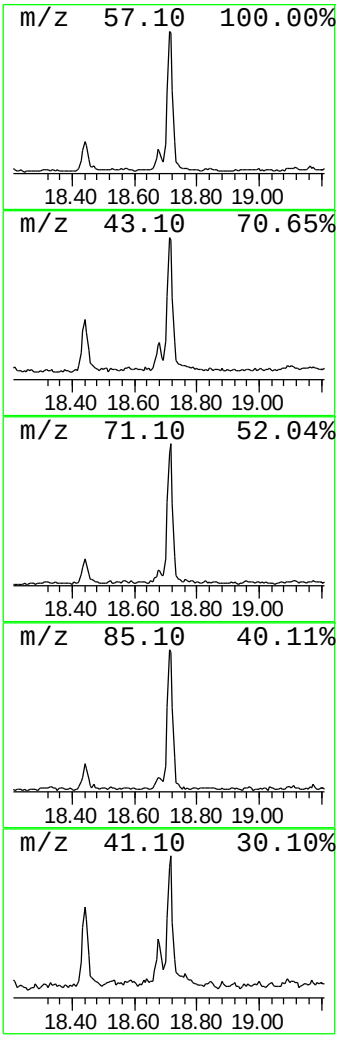
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.71 | 17.94 ng/ul | 1437050 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 94 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 90 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

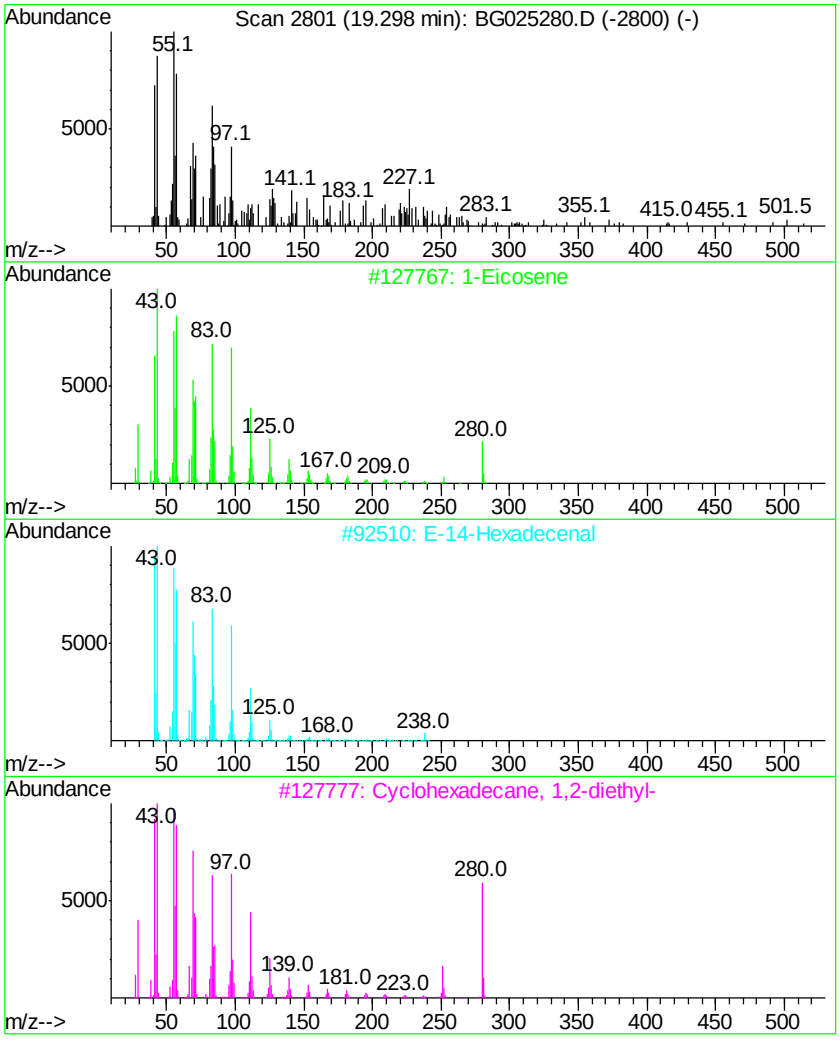
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

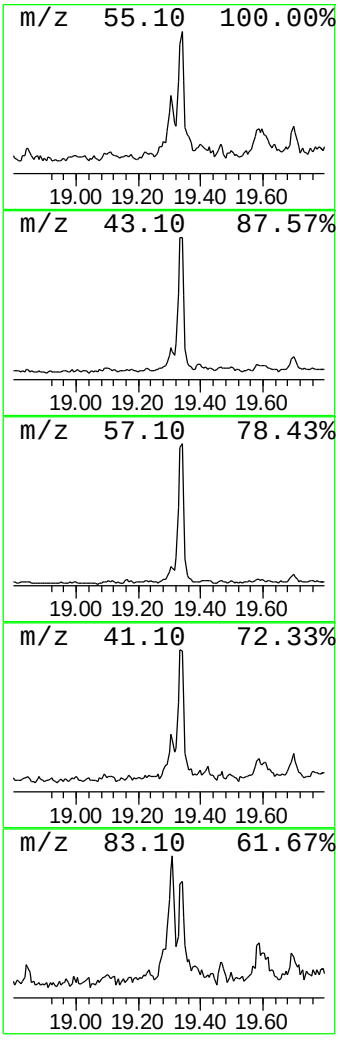
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 44 (DEL) Alkane: Cyclic19.30 Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.30 | 3.23 ng/ul | 258651 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Eicosene | 280 | C20H40 | 003452-07-1 | 97 |
| 2 | E-14-Hexadecenal | 238 | C16H30O | 330207-53-9 | 95 |
| 3 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 95 |
| 4 | Cetene | 224 | C16H32 | 000629-73-2 | 94 |
| 5 | 1-Tetradecene | 196 | C14H28 | 001120-36-1 | 93 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

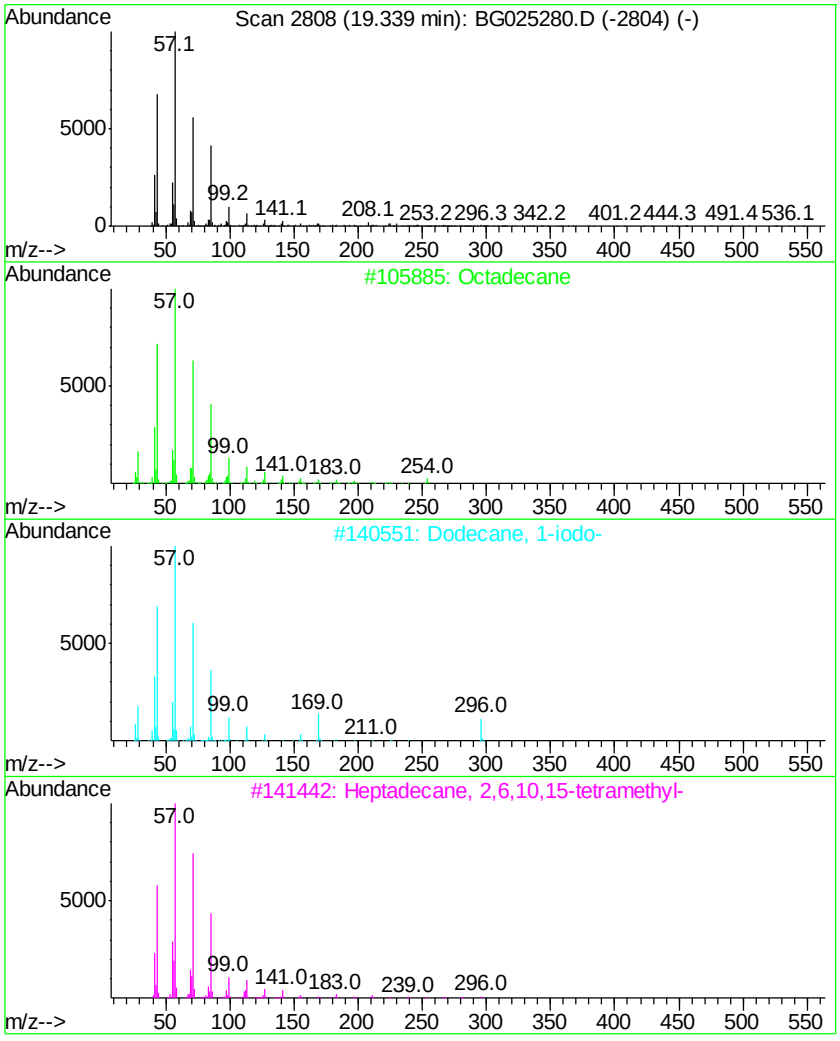
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

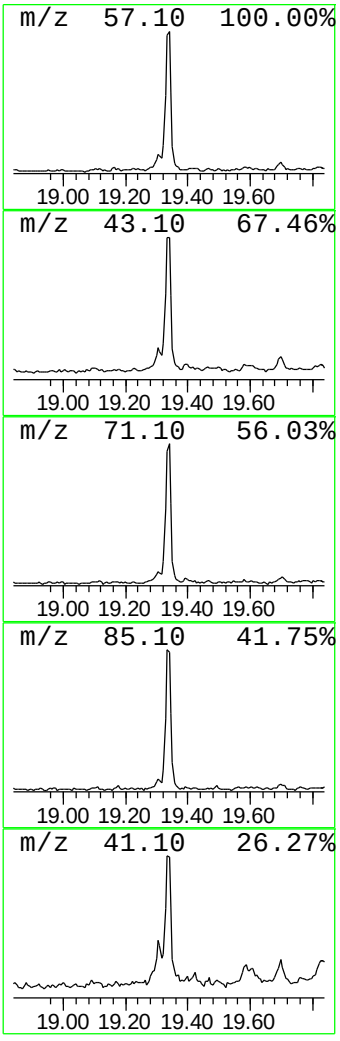
**********

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.34 | 22.08 ng/ul | 1768450 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 2 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 86 |
| 4 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80 |
| 5 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

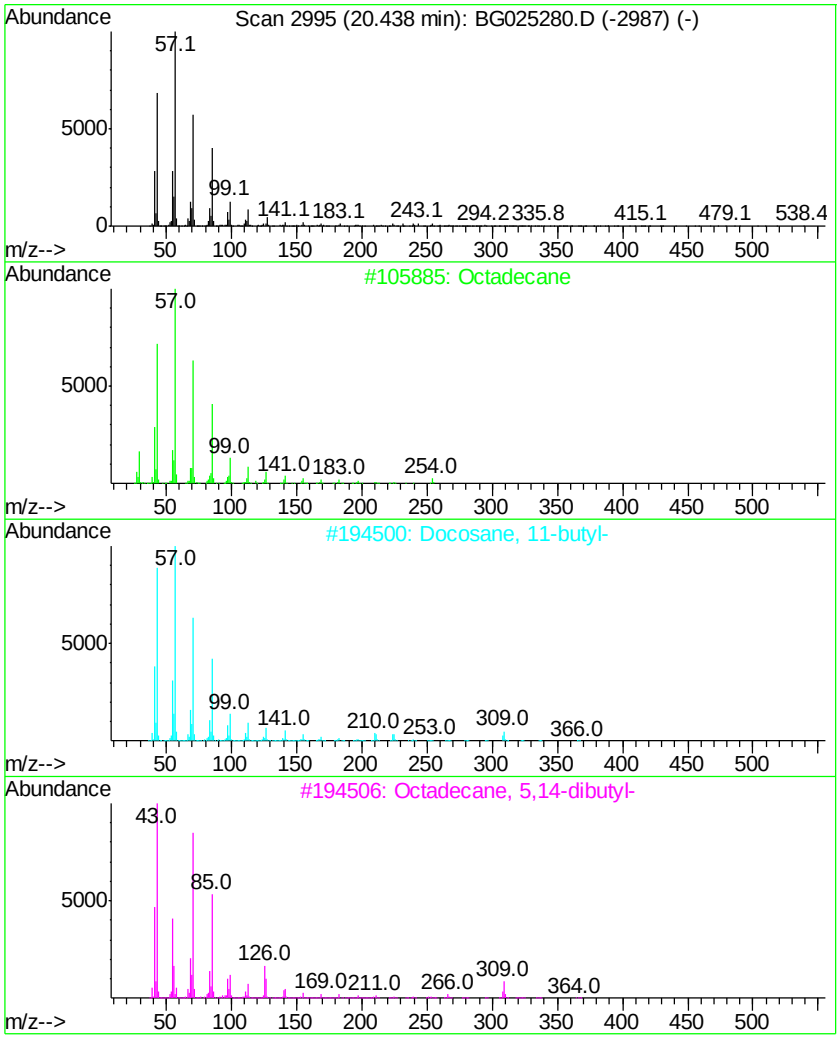
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

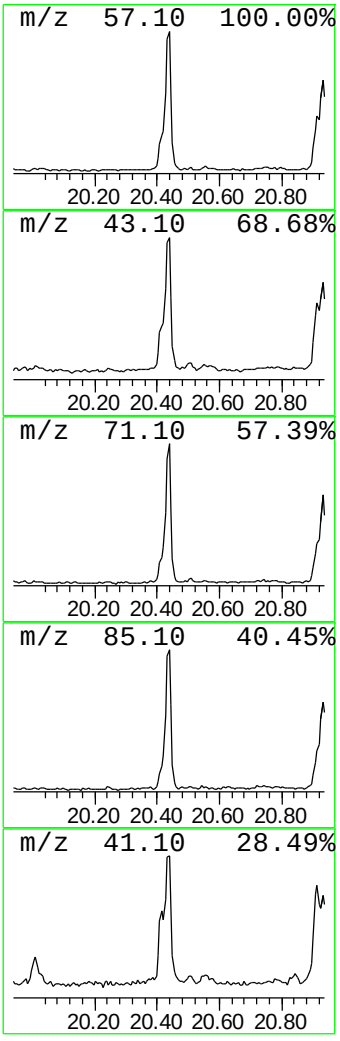
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.44 | 39.70 ng/ul | 3477420 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 94 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 94 |
| 3 | Octadecane, 5,14-dibutyl- | 366 | C26H54 | 055282-13-8 | 93 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

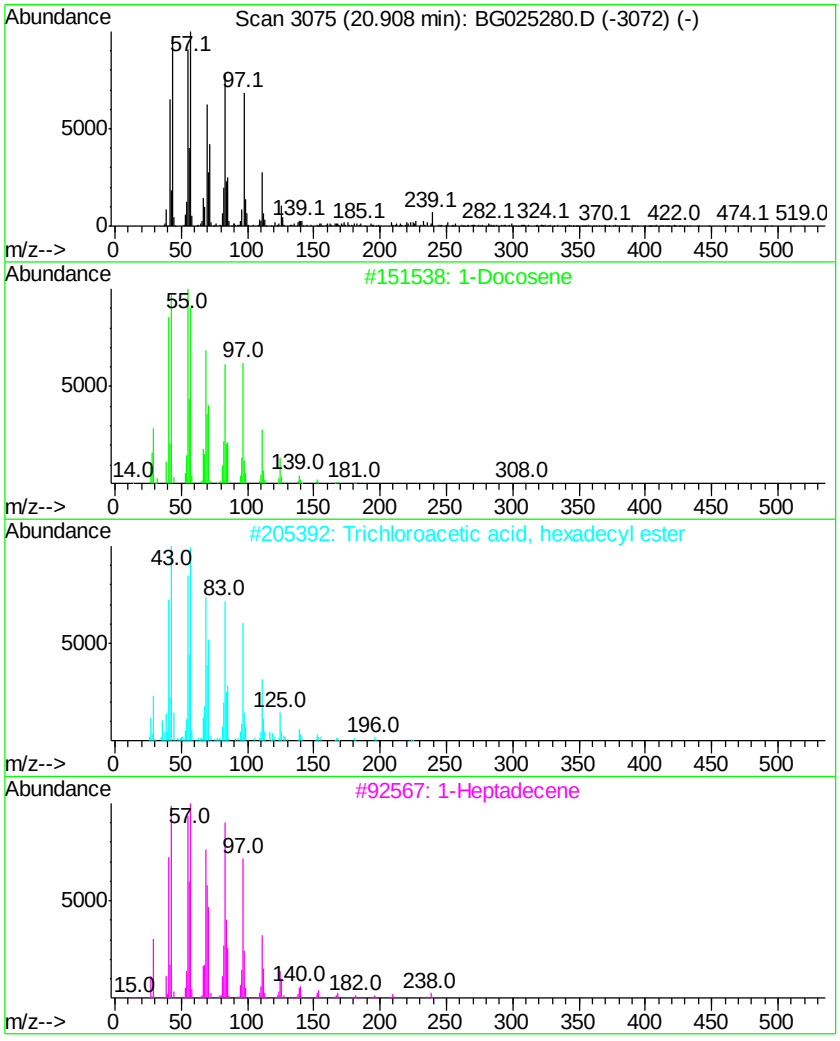
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

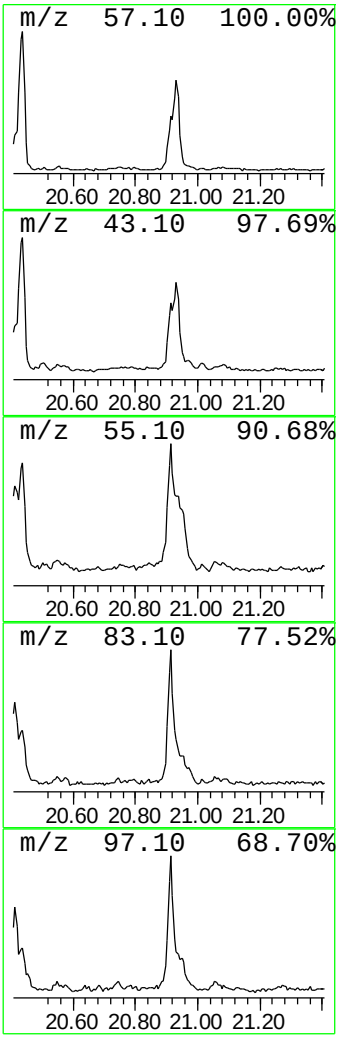
**********

Peak Number 48 (DEL) Alkane: Cyclic20.91 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.91 | 47.52 ng/ul | 4162570 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 96 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 3 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 93 |
| 4 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 90 |
| 5 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 87 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

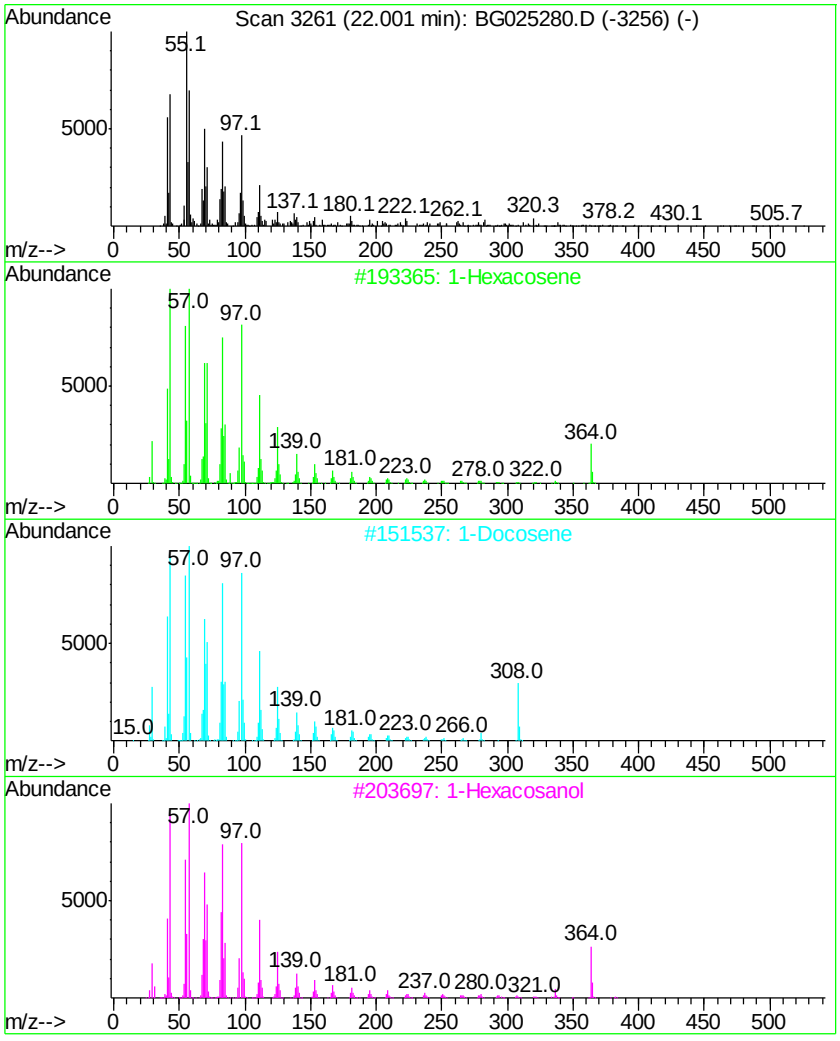
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

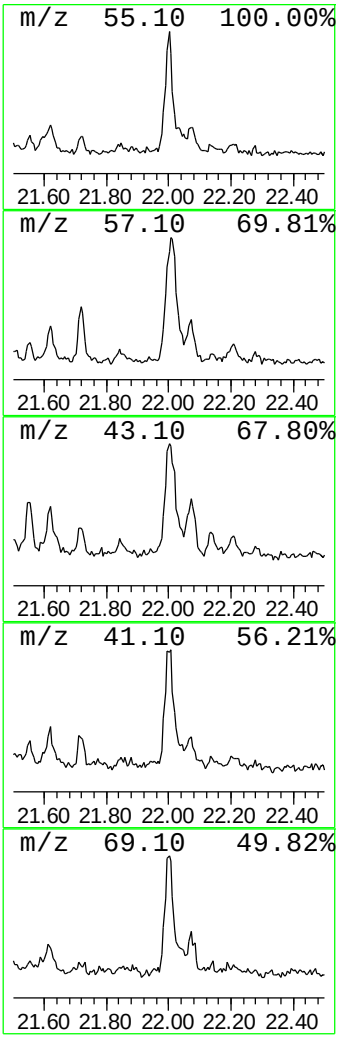
**********

Peak Number 50 (DEL) Alkane: Cyclic22.0 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.00 | 20.18 ng/ul | 1767930 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 91 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 3 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 87 |
| 4 | Tricosyl heptafluorobutyrate | 536 | C27H47F7O2 | 1000351-83-4 | 83 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 83 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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

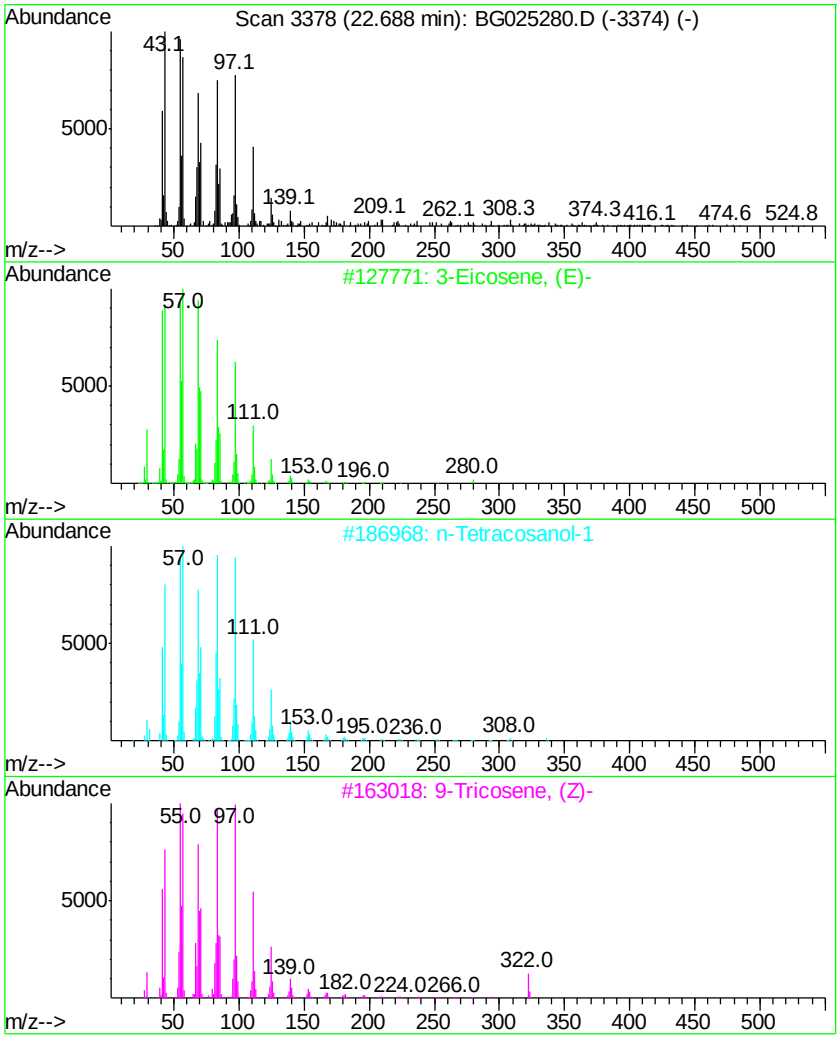
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

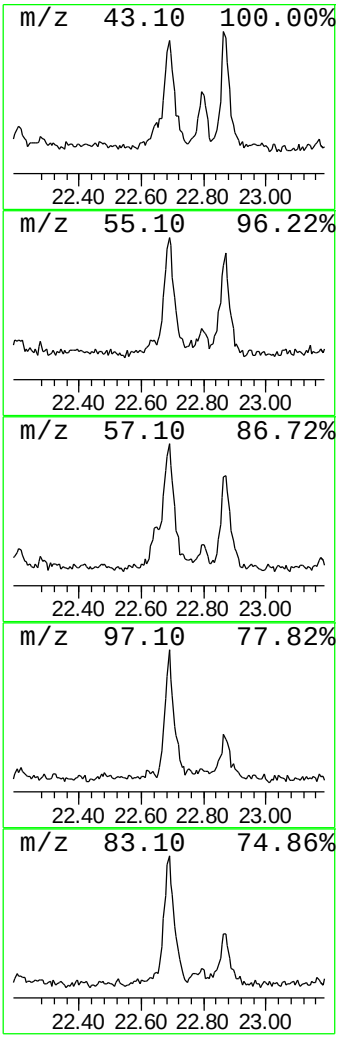
**********

Peak Number 51 (DEL) Alkane: Cyclic22.69 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.69 | 14.22 ng/ul | 1245310 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 95 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91 |
| 3 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 91 |
| 4 | Octacosanol | 410 | C28H58O | 000557-61-9 | 91 |
| 5 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8T7

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, 2-ethyl-... | 8.85 | 2.9 | ng/ul | 84696 | 1 | 8.23 | 590409 | 20.0 |
| Phenol, 2-methoxy- | 9.33 | 4.9 | ng/ul | 145236 | 1 | 8.23 | 590409 | 20.0 |
| (DEL) Alkane: Str... | 10.97 | 4.4 | ng/ul | 188043 | 2 | 11.06 | 856741 | 20.0 |
| 2-Propenal, 2-met... | 11.28 | 3.0 | ng/ul | 128380 | 2 | 11.06 | 856741 | 20.0 |
| Benzofuran-2-carb... | 11.41 | 4.3 | ng/ul | 182100 | 2 | 11.06 | 856741 | 20.0 |
| Phenol, 2-ethyl-4... | 11.88 | 3.2 | ng/ul | 137887 | 2 | 11.06 | 856741 | 20.0 |
| (DEL) Alkane: Str... | 12.07 | 3.2 | ng/ul | 136708 | 2 | 11.06 | 856741 | 20.0 |
| Phenol, 4-ethyl-2... | 12.20 | 3.0 | ng/ul | 127695 | 2 | 11.06 | 856741 | 20.0 |
| (DEL) Alkane: Str... | 12.41 | 6.4 | ng/ul | 272782 | 2 | 11.06 | 856741 | 20.0 |
| 2,4,5-Trifluorobe... | 12.86 | 5.1 | ng/ul | 219499 | 2 | 11.06 | 856741 | 20.0 |
| Benzocycloheptatr... | 12.92 | 6.8 | ng/ul | 293294 | 2 | 11.06 | 856741 | 20.0 |
| (2E)-4-(4-Hydroxy... | 13.34 | 3.0 | ng/ul | 183250 | 3 | 14.86 | 1232300 | 20.0 |
| (DEL) Alkane: Cyc... | 13.55 | 4.4 | ng/ul | 273250 | 3 | 14.86 | 1232300 | 20.0 |
| (DEL) Alkane: Str... | 13.63 | 6.6 | ng/ul | 408898 | 3 | 14.86 | 1232300 | 20.0 |
| Benzaldehyde, 3-h... | 13.79 | 2.1 | ng/ul | 126993 | 3 | 14.86 | 1232300 | 20.0 |
| unknown-01 | 13.89 | 3.5 | ng/ul | 215033 | 3 | 14.86 | 1232300 | 20.0 |
| Naphthalene, 1,7-... | 14.03 | 7.9 | ng/ul | 485240 | 3 | 14.86 | 1232300 | 20.0 |
| Naphthalene, 1,4-... | 14.18 | 6.8 | ng/ul | 421281 | 3 | 14.86 | 1232300 | 20.0 |
| (DEL) Alkane: Str... | 14.69 | 8.5 | ng/ul | 521009 | 3 | 14.86 | 1232300 | 20.0 |
| Ethanone, 1-(2,6-... | 14.98 | 6.0 | ng/ul | 366762 | 3 | 14.86 | 1232300 | 20.0 |
| Naphthalene, 2,3,... | 15.31 | 2.4 | ng/ul | 146216 | 3 | 14.86 | 1232300 | 20.0 |
| Naphthalene, 1,6,... | 15.51 | 2.8 | ng/ul | 171768 | 3 | 14.86 | 1232300 | 20.0 |
| (DEL) Alkane: Str... | 15.64 | 10.1 | ng/ul | 620308 | 3 | 14.86 | 1232300 | 20.0 |
| 4-Propyl-1,1'-dip... | 15.77 | 13.8 | ng/ul | 847547 | 3 | 14.86 | 1232300 | 20.0 |
| unknown-02 | 16.04 | 3.0 | ng/ul | 185269 | 3 | 14.86 | 1232300 | 20.0 |
| Benzaldehyde, 4-h... | 16.28 | 5.4 | ng/ul | 433317 | 4 | 17.60 | 1601980 | 20.0 |
| unknown-03 | 16.44 | 6.0 | ng/ul | 484196 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 16.50 | 13.2 | ng/ul | 1057150 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Cyc... | 16.72 | 4.0 | ng/ul | 322199 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Cyc... | 17.25 | 5.4 | ng/ul | 435253 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 17.29 | 11.1 | ng/ul | 889736 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 18.03 | 17.8 | ng/ul | 1426610 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 18.71 | 17.9 | ng/ul | 1437050 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Cyc... | 19.30 | 3.2 | ng/ul | 258651 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 19.34 | 22.1 | ng/ul | 1768450 | 4 | 17.60 | 1601980 | 20.0 |
| (DEL) Alkane: Str... | 20.44 | 39.7 | ng/ul | 3477420 | 5 | 21.90 | 1751950 | 20.0 |
| (DEL) Alkane: Cyc... | 20.91 | 47.5 | ng/ul | 4162570 | 5 | 21.90 | 1751950 | 20.0 |
| (DEL) Alkane: Cyc... | 22.00 | 20.2 | ng/ul | 1767930 | 5 | 21.90 | 1751950 | 20.0 |
| (DEL) Alkane: Cyc... | 22.69 | 14.2 | ng/ul | 1245310 | 5 | 21.90 | 1751950 | 20.0 |