LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.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 | 3.112 | 40 | 46 | 54 | rBV | 38574 | 62780 | 5.70% | 0.237% |
| 2 | 3.182 | 54 | 58 | 72 | rVB | 115867 | 155483 | 14.11% | 0.587% |
| 3 | 5.515 | 450 | 455 | 461 | rBV | 17991 | 27967 | 2.54% | 0.106% |
| 4 | 6.020 | 536 | 541 | 554 | rVB3 | 19732 | 45196 | 4.10% | 0.171% |
| 5 | 6.643 | 642 | 647 | 654 | rVB | 44423 | 69014 | 6.26% | 0.261% |
| 6 | 6.725 | 654 | 661 | 664 | rBV | 16565 | 31751 | 2.88% | 0.120% |
| 7 | 7.025 | 707 | 712 | 721 | rVB2 | 30063 | 47616 | 4.32% | 0.180% |
| 8 | 7.183 | 729 | 739 | 746 | rBV6 | 23866 | 81959 | 7.44% | 0.309% |
| 9 | 7.248 | 746 | 750 | 755 | rVV | 19553 | 32862 | 2.98% | 0.124% |
| 10 | 7.330 | 759 | 764 | 771 | rVB | 53444 | 85936 | 7.80% | 0.325% |
| 11 | 7.407 | 771 | 777 | 783 | rVB2 | 51055 | 84301 | 7.65% | 0.318% |
| 12 | 7.489 | 783 | 791 | 796 | rBV5 | 39679 | 108778 | 9.87% | 0.411% |
| 13 | 7.542 | 796 | 800 | 808 | rVB | 66912 | 116483 | 10.57% | 0.440% |
| 14 | 7.653 | 815 | 819 | 826 | rVB2 | 36591 | 59632 | 5.41% | 0.225% |
| 15 | 7.736 | 826 | 833 | 837 | rBV3 | 39821 | 70452 | 6.39% | 0.266% |
| 16 | 7.777 | 837 | 840 | 843 | rVV3 | 18030 | 27562 | 2.50% | 0.104% |
| 17 | 7.830 | 843 | 849 | 856 | rVB2 | 91784 | 164686 | 14.94% | 0.622% |
| 18 | 8.006 | 873 | 879 | 885 | rVV2 | 78351 | 144067 | 13.07% | 0.544% |
| 19 | 8.071 | 885 | 890 | 896 | rVV4 | 17209 | 33697 | 3.06% | 0.127% |
| 20 | 8.182 | 904 | 909 | 915 | rVB3 | 16730 | 30533 | 2.77% | 0.115% |
| 21 | 8.276 | 915 | 925 | 928 | rBV2 | 51081 | 109205 | 9.91% | 0.412% |
| 22 | 8.311 | 928 | 931 | 937 | rVB | 93071 | 145643 | 13.21% | 0.550% |
| 23 | 8.400 | 937 | 946 | 955 | rBV8 | 41737 | 112985 | 10.25% | 0.427% |
| 24 | 8.482 | 955 | 960 | 965 | rVB3 | 22181 | 36297 | 3.29% | 0.137% |
| 25 | 8.546 | 965 | 971 | 980 | rVB2 | 32272 | 62721 | 5.69% | 0.237% |
| 26 | 8.652 | 982 | 989 | 996 | rBV | 433073 | 731090 | 66.32% | 2.761% |
| 27 | 8.729 | 996 | 1002 | 1007 | rBV2 | 65153 | 113015 | 10.25% | 0.427% |
| 28 | 8.975 | 1039 | 1044 | 1049 | rBV3 | 65126 | 118172 | 10.72% | 0.446% |
| 29 | 9.034 | 1049 | 1054 | 1057 | rVB3 | 31570 | 52135 | 4.73% | 0.197% |
| 30 | 9.116 | 1064 | 1068 | 1073 | rVB | 358082 | 554300 | 50.29% | 2.093% |
| 31 | 9.163 | 1073 | 1076 | 1083 | rVB | 70820 | 120905 | 10.97% | 0.457% |
| 32 | 9.287 | 1090 | 1097 | 1102 | rBV4 | 280272 | 512655 | 46.51% | 1.936% |
| 33 | 9.334 | 1102 | 1105 | 1107 | rVV2 | 42889 | 63163 | 5.73% | 0.239% |
| 34 | 9.369 | 1107 | 1111 | 1117 | rVB3 | 122101 | 222457 | 20.18% | 0.840% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.440 | 1117 | 1123 | 1127 | rBV | 219394 | 373507 | 33.88% | 1.410% |
| 36 | 9.557 | 1137 | 1143 | 1151 | rVB2 | 233691 | 416325 | 37.77% | 1.572% |
| 37 | 9.774 | 1174 | 1180 | 1187 | rVB | 202525 | 350301 | 31.78% | 1.323% |
| 38 | 9.898 | 1194 | 1201 | 1205 | rBV3 | 141032 | 288096 | 26.14% | 1.088% |
| 39 | 10.009 | 1214 | 1220 | 1223 | rBV2 | 122901 | 218348 | 19.81% | 0.825% |
| 40 | 10.051 | 1223 | 1227 | 1231 | rVV2 | 139069 | 247371 | 22.44% | 0.934% |
| 41 | 10.098 | 1231 | 1235 | 1241 | rVB | 213925 | 348243 | 31.59% | 1.315% |
| 42 | 10.180 | 1245 | 1249 | 1252 | rBV4 | 21339 | 37047 | 3.36% | 0.140% |
| 43 | 10.297 | 1265 | 1269 | 1279 | rVB2 | 167226 | 314331 | 28.52% | 1.187% |
| 44 | 10.438 | 1285 | 1293 | 1300 | rBV3 | 190812 | 428119 | 38.84% | 1.617% |
| 45 | 10.503 | 1301 | 1304 | 1311 | rVB5 | 34816 | 61593 | 5.59% | 0.233% |
| 46 | 10.650 | 1323 | 1329 | 1333 | rBV2 | 221824 | 465277 | 42.21% | 1.757% |
| 47 | 10.814 | 1354 | 1357 | 1362 | rVB | 87936 | 137910 | 12.51% | 0.521% |
| 48 | 10.867 | 1363 | 1366 | 1376 | rVV5 | 58221 | 126097 | 11.44% | 0.476% |
| 49 | 10.961 | 1376 | 1382 | 1391 | rVB | 386749 | 709012 | 64.32% | 2.677% |
| 50 | 11.061 | 1396 | 1399 | 1400 | rVV2 | 26619 | 30312 | 2.75% | 0.114% |
| 51 | 11.091 | 1401 | 1404 | 1410 | rVB | 94080 | 150760 | 13.68% | 0.569% |
| 52 | 11.167 | 1411 | 1417 | 1423 | rVB3 | 190721 | 348685 | 31.63% | 1.317% |
| 53 | 11.267 | 1423 | 1434 | 1442 | rVB4 | 67403 | 227893 | 20.67% | 0.861% |
| 54 | 11.361 | 1443 | 1450 | 1454 | rBV | 485311 | 873524 | 79.25% | 3.299% |
| 55 | 11.408 | 1454 | 1458 | 1465 | rVB2 | 356048 | 622664 | 56.49% | 2.351% |
| 56 | 11.578 | 1484 | 1487 | 1493 | rVB3 | 63912 | 102732 | 9.32% | 0.388% |
| 57 | 11.655 | 1493 | 1500 | 1504 | rBV | 429481 | 784200 | 71.14% | 2.961% |
| 58 | 11.743 | 1512 | 1515 | 1519 | rVB | 66315 | 90518 | 8.21% | 0.342% |
| 59 | 11.796 | 1520 | 1524 | 1527 | rBV5 | 22658 | 34788 | 3.16% | 0.131% |
| 60 | 11.843 | 1527 | 1532 | 1535 | rVV | 88952 | 146628 | 13.30% | 0.554% |
| 61 | 11.901 | 1535 | 1542 | 1546 | rVV | 606825 | 1102298 | 100.00% | 4.162% |
| 62 | 11.937 | 1546 | 1548 | 1556 | rVV2 | 150501 | 245726 | 22.29% | 0.928% |
| 63 | 12.013 | 1557 | 1561 | 1565 | rVB | 102911 | 139643 | 12.67% | 0.527% |
| 64 | 12.130 | 1578 | 1581 | 1585 | rVB6 | 29941 | 42133 | 3.82% | 0.159% |
| 65 | 12.219 | 1592 | 1596 | 1603 | rVB | 97524 | 162022 | 14.70% | 0.612% |
| 66 | 12.324 | 1609 | 1614 | 1620 | rBV | 133822 | 274457 | 24.90% | 1.036% |
| 67 | 12.383 | 1621 | 1624 | 1627 | rVB3 | 49159 | 69173 | 6.28% | 0.261% |
| 68 | 12.518 | 1641 | 1647 | 1652 | rBV3 | 325176 | 582291 | 52.83% | 2.199% |
| 69 | 12.583 | 1653 | 1658 | 1668 | rVB3 | 156829 | 373307 | 33.87% | 1.410% |
| 70 | 12.689 | 1673 | 1676 | 1686 | rVB3 | 150424 | 316918 | 28.75% | 1.197% |
| 71 | 12.806 | 1691 | 1696 | 1699 | rBV | 159780 | 263666 | 23.92% | 0.996% |

LSC Area Percent Report

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Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.847 | 1699 | 1703 | 1710 | rBV3 | 403935 | 668360 | 60.63% | 2.524% |
| 73 | 12.912 | 1711 | 1714 | 1723 | rVB2 | 175154 | 375848 | 34.10% | 1.419% |
| 74 | 13.000 | 1723 | 1729 | 1732 | rBV3 | 219810 | 451695 | 40.98% | 1.706% |
| 75 | 13.347 | 1781 | 1788 | 1791 | rBV3 | 71578 | 168385 | 15.28% | 0.636% |
| 76 | 13.388 | 1792 | 1795 | 1800 | rVV2 | 111439 | 190231 | 17.26% | 0.718% |
| 77 | 13.447 | 1800 | 1805 | 1809 | rVB3 | 131401 | 225208 | 20.43% | 0.850% |
| 78 | 13.611 | 1830 | 1833 | 1834 | rBV | 108627 | 122125 | 11.08% | 0.461% |
| 79 | 13.781 | 1856 | 1862 | 1865 | rBV3 | 303705 | 568794 | 51.60% | 2.148% |
| 80 | 13.817 | 1865 | 1868 | 1876 | rVB3 | 217392 | 472322 | 42.85% | 1.784% |
| 81 | 13.911 | 1881 | 1884 | 1890 | rVB6 | 123832 | 172848 | 15.68% | 0.653% |
| 82 | 13.981 | 1891 | 1896 | 1899 | rBV5 | 136487 | 268812 | 24.39% | 1.015% |
| 83 | 14.052 | 1905 | 1908 | 1916 | rVB | 266371 | 399012 | 36.20% | 1.507% |
| 84 | 14.140 | 1917 | 1923 | 1931 | rBV4 | 341297 | 689515 | 62.55% | 2.604% |
| 85 | 14.228 | 1934 | 1938 | 1942 | rBV2 | 123245 | 217607 | 19.74% | 0.822% |
| 86 | 14.334 | 1952 | 1956 | 1962 | rVB | 221797 | 368184 | 33.40% | 1.390% |
| 87 | 14.645 | 2004 | 2009 | 2012 | rBV2 | 222953 | 375634 | 34.08% | 1.418% |
| 88 | 14.727 | 2019 | 2023 | 2033 | rVB2 | 205962 | 317010 | 28.76% | 1.197% |
| 89 | 14.810 | 2034 | 2037 | 2040 | rBV2 | 114461 | 169776 | 15.40% | 0.641% |
| 90 | 14.951 | 2057 | 2061 | 2065 | rBV3 | 68466 | 136324 | 12.37% | 0.515% |
| 91 | 15.632 | 2173 | 2177 | 2182 | rVB | 323936 | 492105 | 44.64% | 1.858% |
| 92 | 15.750 | 2193 | 2197 | 2204 | rVB3 | 148131 | 256378 | 23.26% | 0.968% |
| 93 | 15.938 | 2225 | 2229 | 2234 | rBV | 332069 | 435013 | 39.46% | 1.643% |
| 94 | 17.389 | 2471 | 2476 | 2481 | rVB | 241547 | 352221 | 31.95% | 1.330% |
| 95 | 17.489 | 2488 | 2493 | 2498 | rVB | 324629 | 470237 | 42.66% | 1.776% |
| 96 | 19.769 | 2876 | 2881 | 2888 | rVB | 412908 | 600421 | 54.47% | 2.267% |
| 97 | 21.649 | 3196 | 3201 | 3209 | rVB | 263424 | 435293 | 39.49% | 1.644% |
| 98 | 22.824 | 3397 | 3401 | 3407 | rVB | 42633 | 74330 | 6.74% | 0.281% |
| 99 | 24.633 | 3700 | 3709 | 3722 | rVB | 226172 | 627138 | 56.89% | 2.368% |
| 100 | 24.857 | 3737 | 3747 | 3762 | rVB2 | 153023 | 439963 | 39.91% | 1.661% |

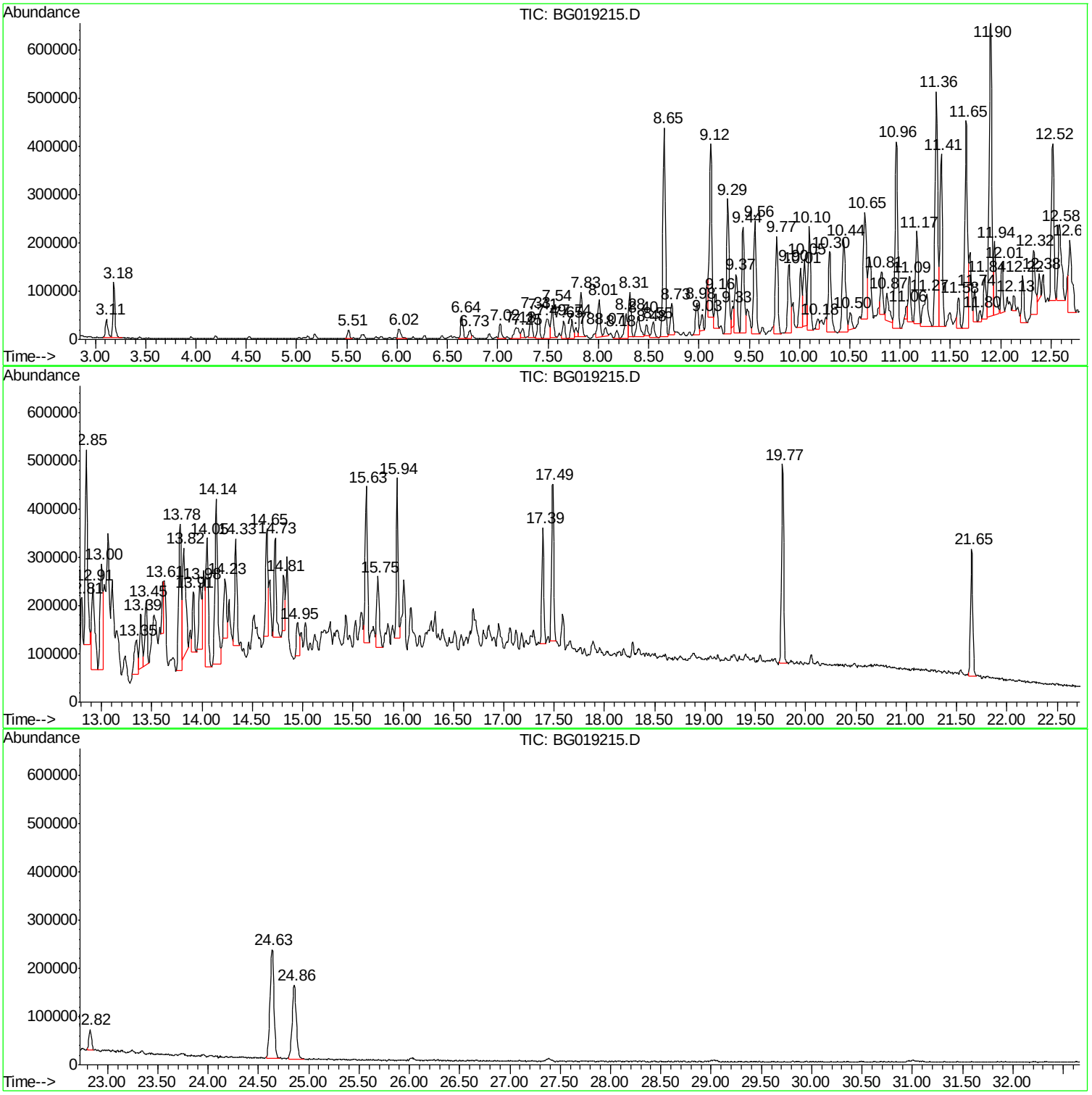
Sum of corrected areas: 26482202

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

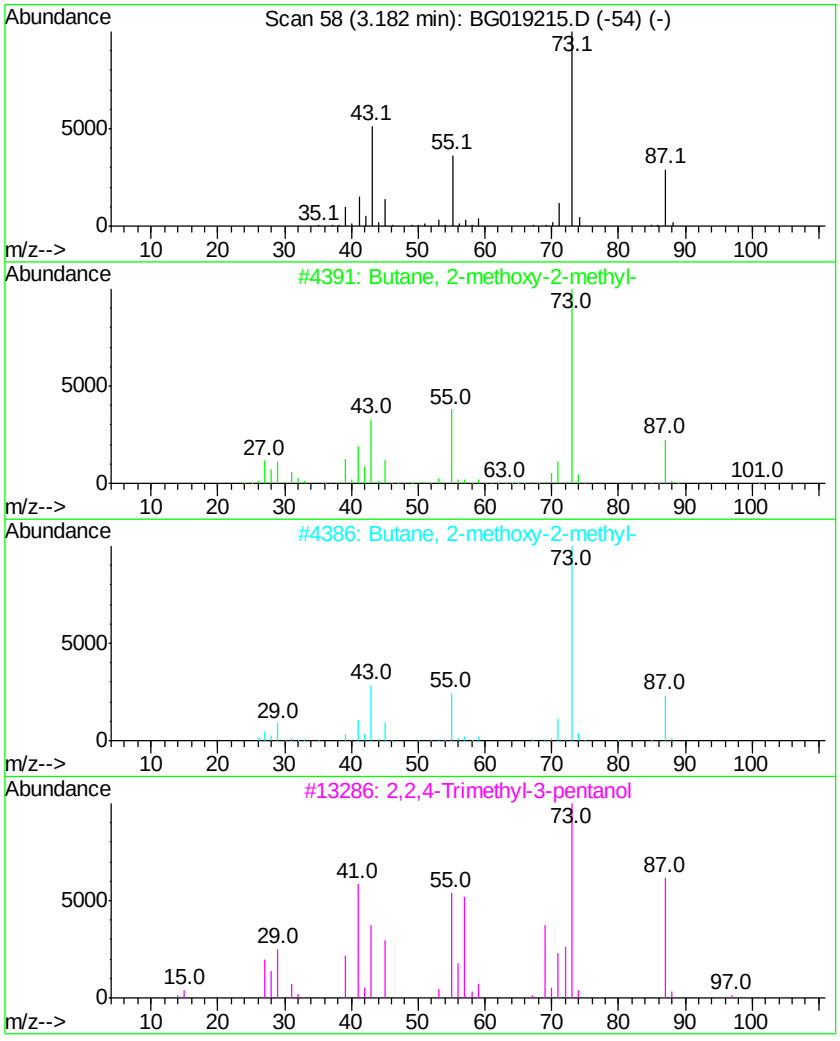
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

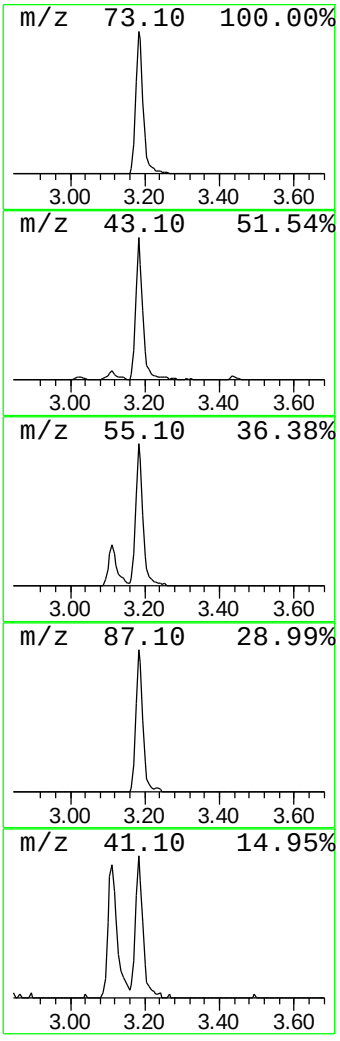
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.18 | 21.58 ng/ul | 155483 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 38 |
| 5 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 12 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

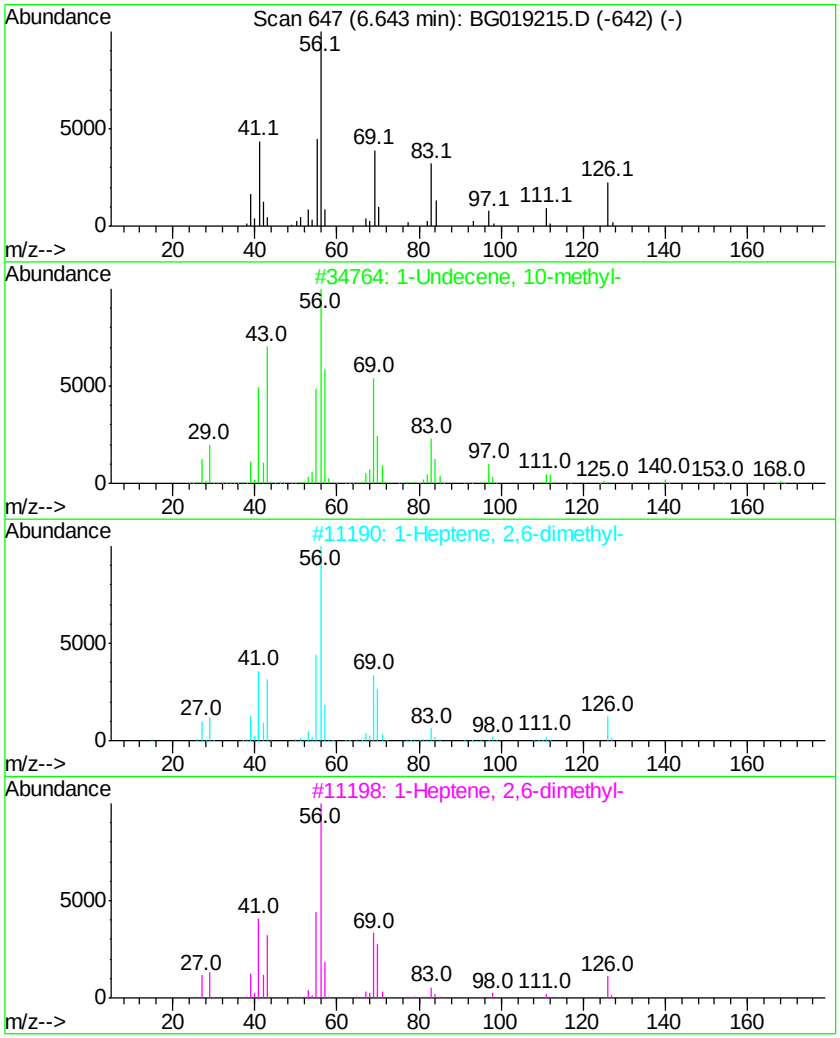
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

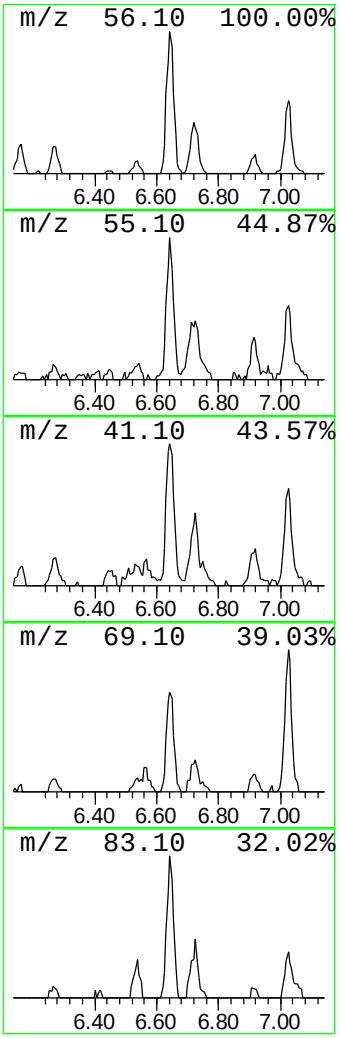
**********

Peak Number 5 (DEL) Alkane: Cyclic6.64 Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.64 | 9.58 ng/ul | 69014 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Undecene, 10-methyl- | 168 | C12H24 | 022370-55-4 | 59 |
| 2 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 59 |
| 3 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 59 |
| 4 | Cyclopentanone, 2,2,5-trimethyl- | 126 | C8H14O | 004573-09-5 | 59 |
| 5 | 1,3-Cyclopentanedione, 4,5-dimet... | 126 | C7H10O2 | 035029-05-1 | 58 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

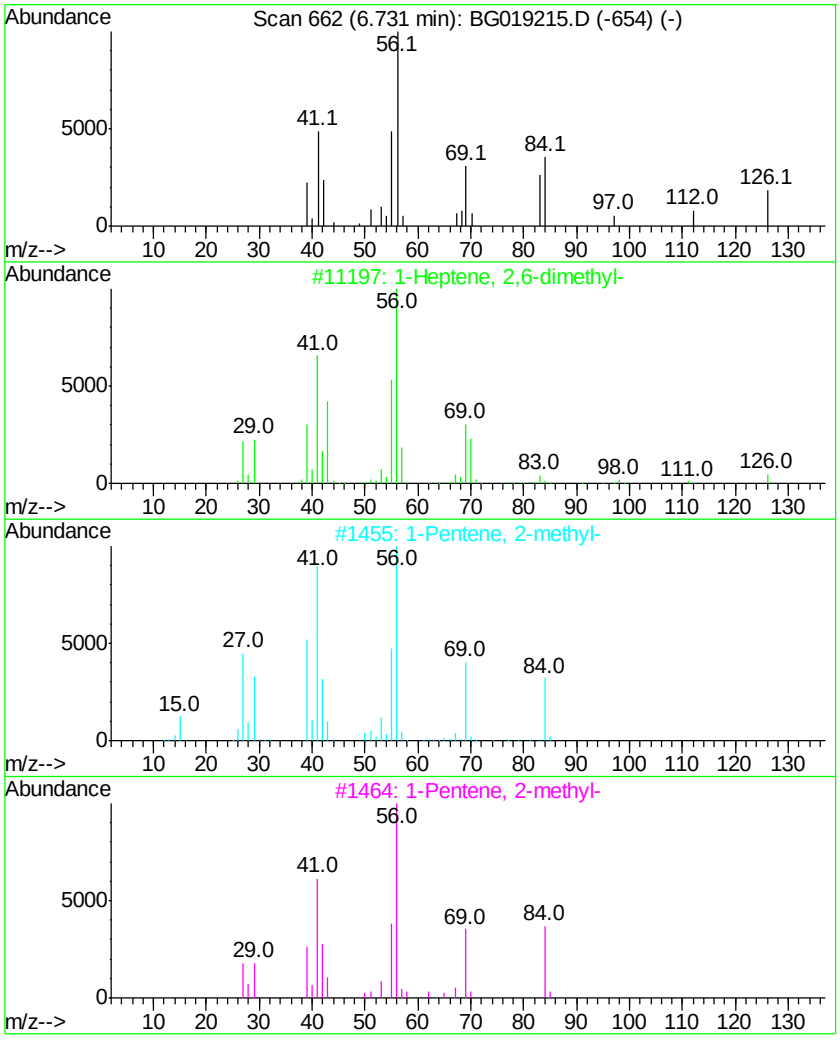
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

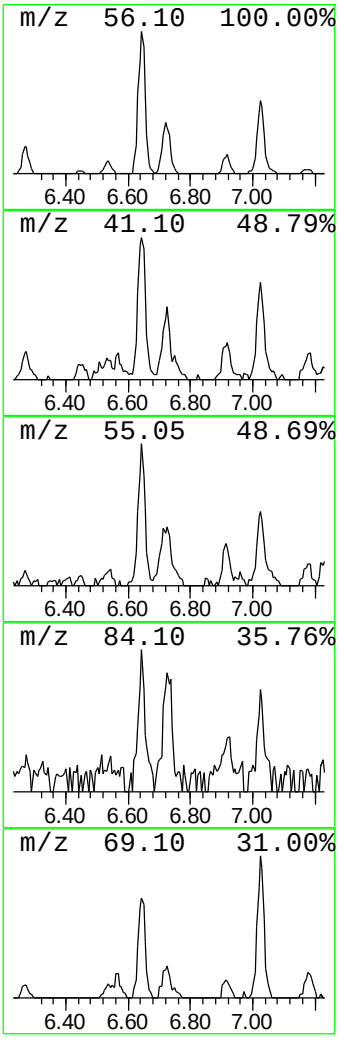
**********

Peak Number 6 (DEL) Alkane: Cyclic6.73 Concentration Rank 71

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 4.41 ng/ul | 31751 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 50 |
| 2 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 49 |
| 3 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 49 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 47 |
| 5 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 47 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

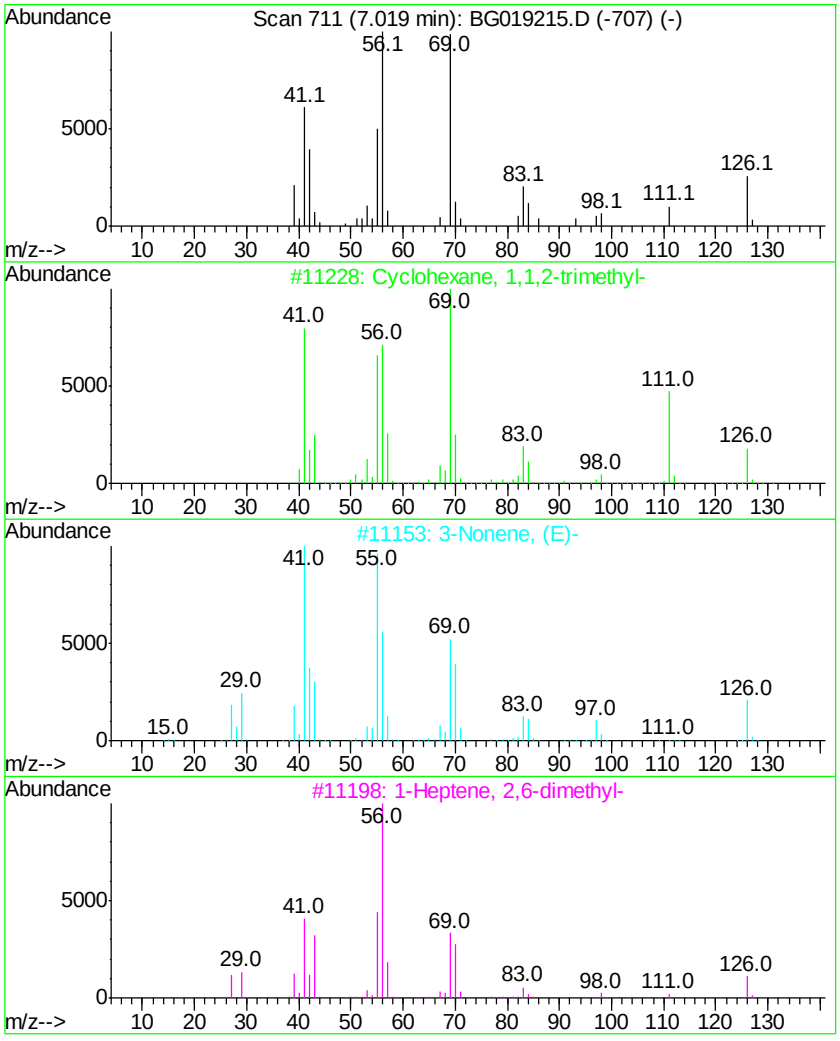
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

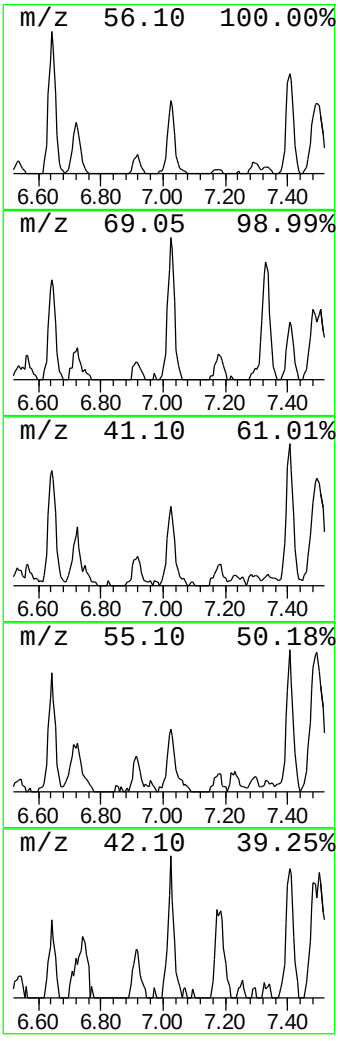
**********

Peak Number 7 (DEL) Alkane: Cyclic7.02 Concentration Rank 62

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.02 | 6.61 ng/ul | 47616 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,2-trimethyl- | 126 | C9H18 | 007094-26-0 | 59 |
| 2 | 3-Nonene, (E)- | 126 | C9H18 | 020063-92-7 | 50 |
| 3 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 47 |
| 4 | 2-Methyl-2-octene | 126 | C9H18 | 016993-86-5 | 43 |
| 5 | 1-Hexene, 3,3,5-trimethyl- | 126 | C9H18 | 013427-43-5 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

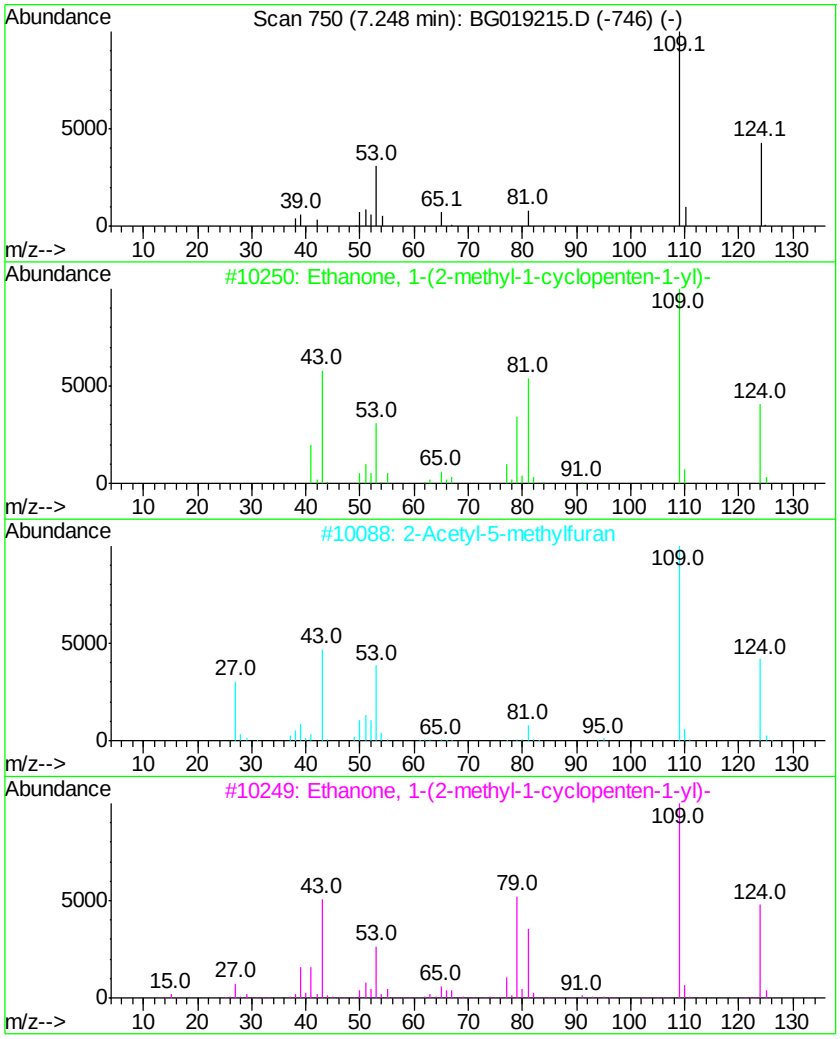
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

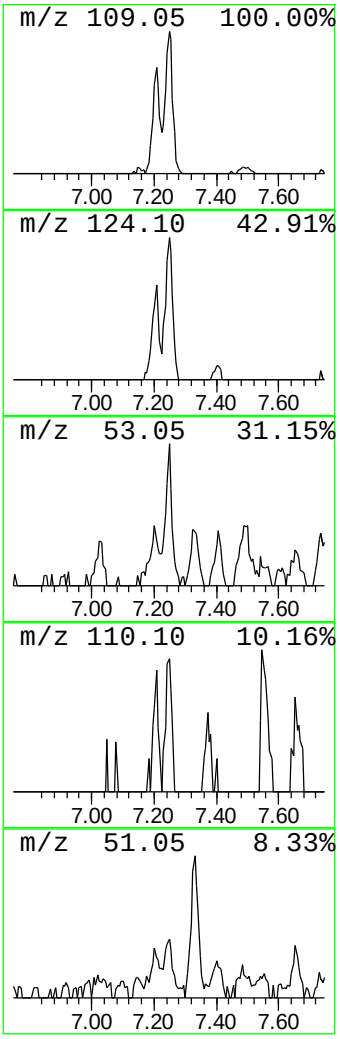
**********

Peak Number 8 Ethanone, 1-(2-methyl-1-cyc... Concentration Rank 70

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.25 | 4.56 ng/ul | 32862 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(2-methyl-1-cyclopen... | 124 | C8H12O | 003168-90-9 | 90 |
| 2 | 2-Acetyl-5-methylfuran | 124 | C7H8O2 | 001193-79-9 | 78 |
| 3 | Ethanone, 1-(2-methyl-1-cyclopen... | 124 | C8H12O | 003168-90-9 | 78 |
| 4 | 2-Acetyl-5-methylfuran | 124 | C7H8O2 | 001193-79-9 | 72 |
| 5 | Cyclopent-2-ene-1-one, 2,3,4-tri... | 124 | C8H12O | 083321-16-8 | 45 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

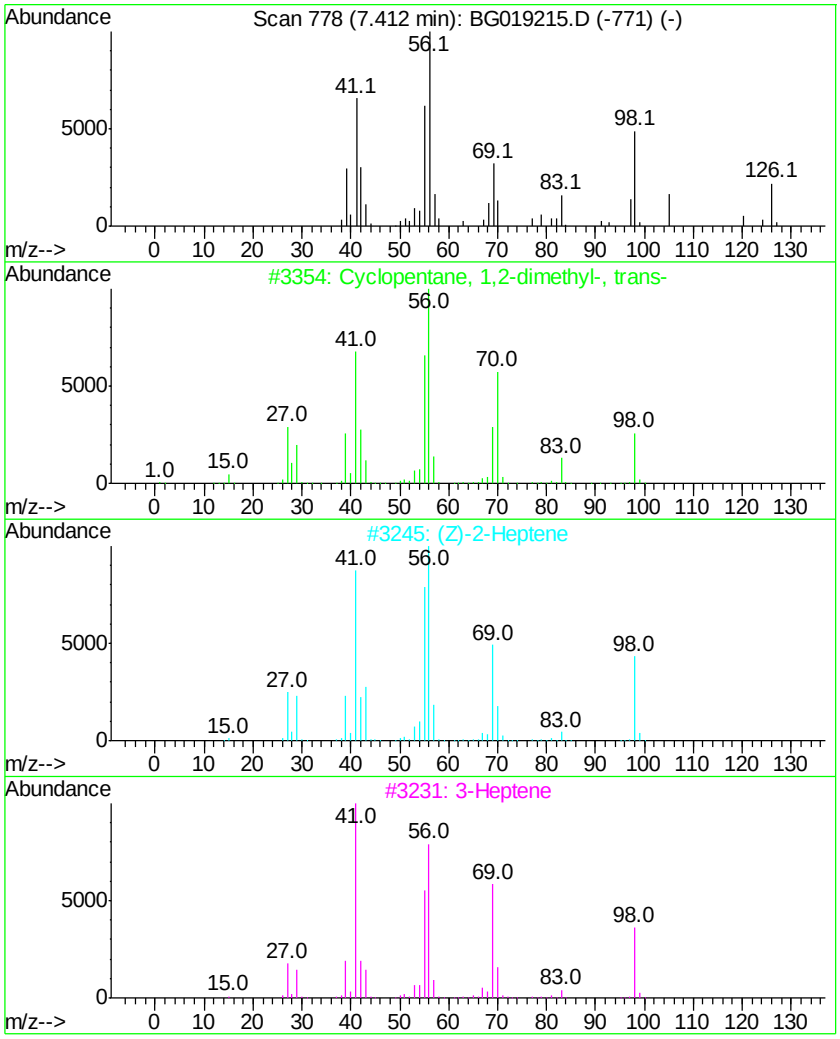
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

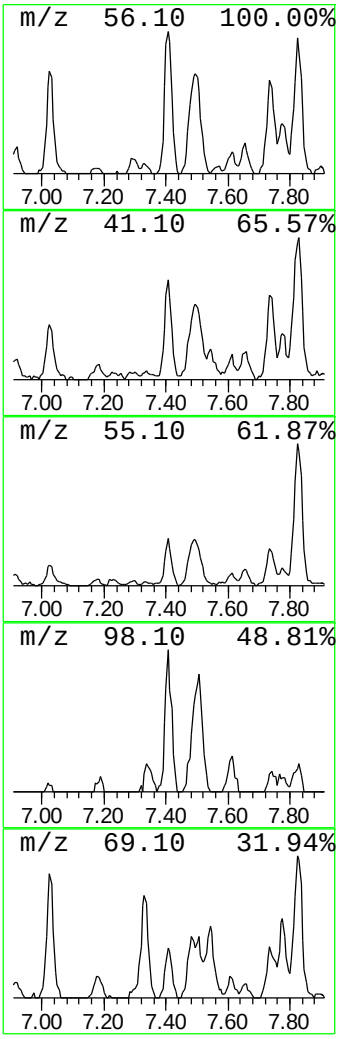
**********

Peak Number 9 (DEL) Alkane: Cyclic7.41 Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.41 | 11.70 ng/ul | 84301 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 70 |
| 2 | (Z)-2-Heptene | 98 | C7H14 | 006443-92-1 | 58 |
| 3 | 3-Heptene | 98 | C7H14 | 000592-78-9 | 53 |
| 4 | 2-Heptene | 98 | C7H14 | 000592-77-8 | 50 |
| 5 | trans-7-Methyl-3-octene | 126 | C9H18 | 1000113-52-8 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

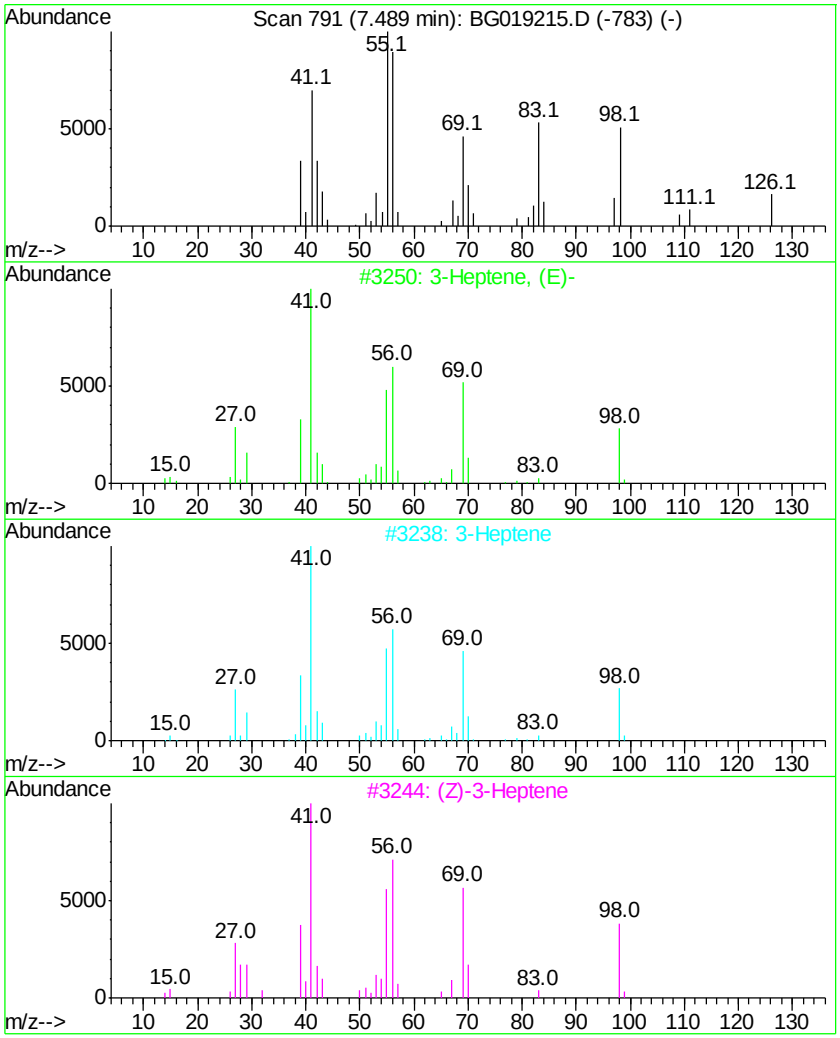
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

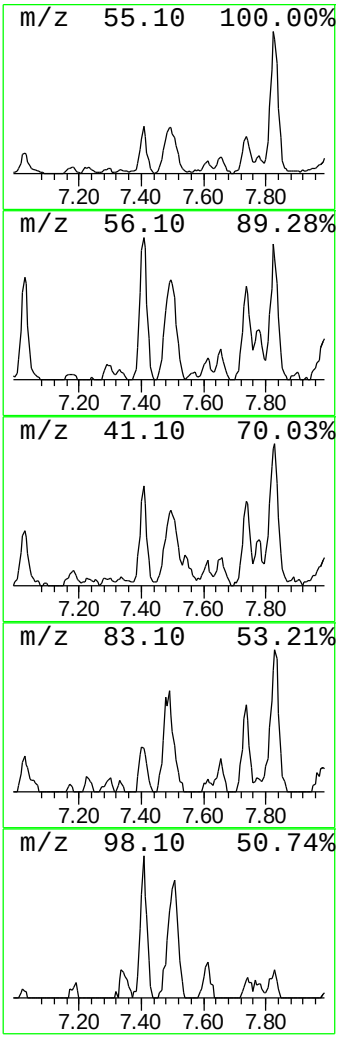
**********

Peak Number 10 (DEL) Alkane: Cyclic7.49 Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.49 | 15.10 ng/ul | 108778 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptene, (E)- | 98 | C7H14 | 014686-14-7 | 58 |
| 2 | 3-Heptene | 98 | C7H14 | 000592-78-9 | 58 |
| 3 | (Z)-3-Heptene | 98 | C7H14 | 007642-10-6 | 58 |
| 4 | 2-Heptene, (E)- | 98 | C7H14 | 014686-13-6 | 52 |
| 5 | 1,3-Cyclopentanedione, 4-ethyl- | 126 | C7H10O2 | 057157-03-6 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

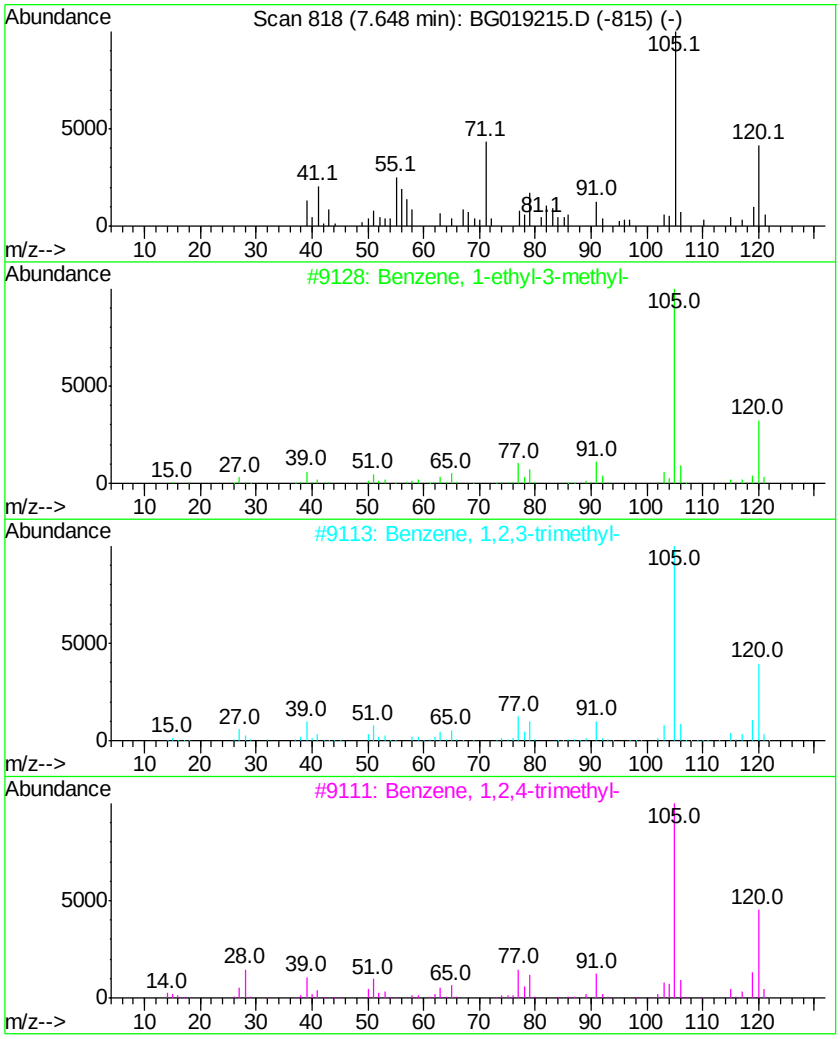
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

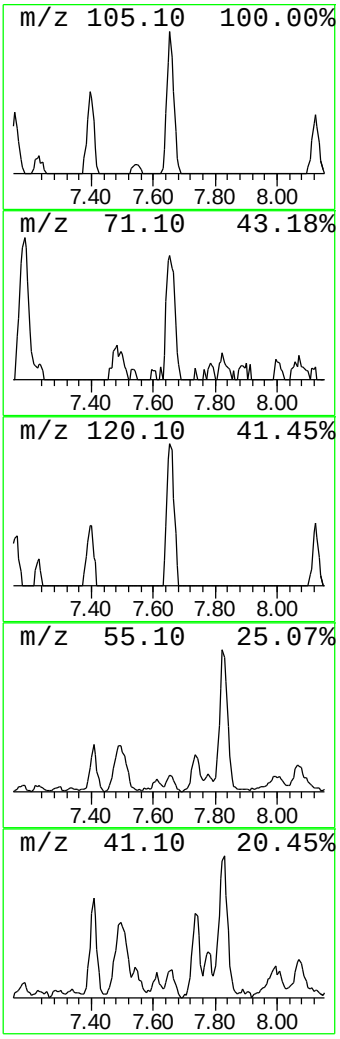
**********

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 59

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.65 | 8.28 ng/ul | 59632 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 60 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 60 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 60 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 53 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 53 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

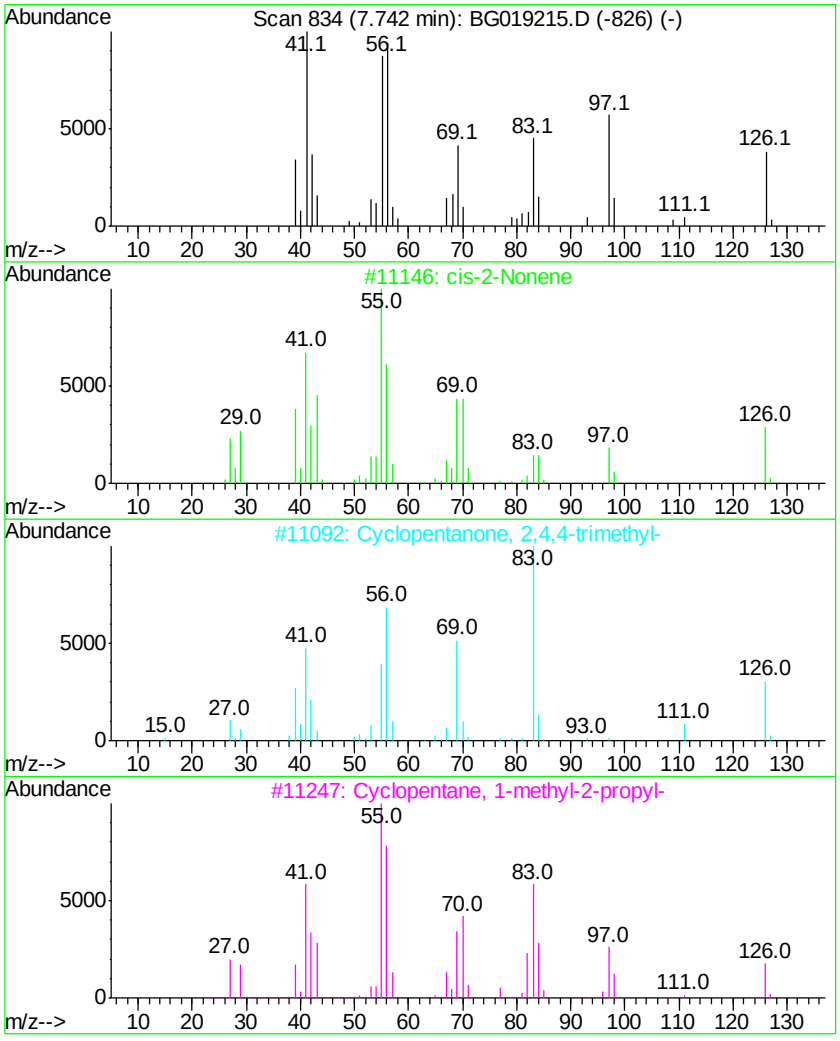
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

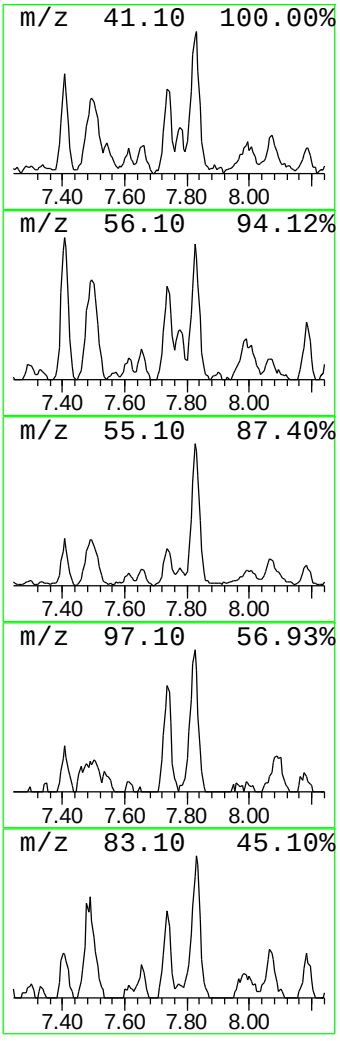
**********

Peak Number 12 (DEL) Alkane: Cyclic7.74 Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.74 | 9.78 ng/ul | 70452 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-2-Nonene | 126 | C9H18 | 006434-77-1 | 64 |
| 2 | Cyclopentanone, 2,4,4-trimethyl- | 126 | C8H14O | 004694-12-6 | 58 |
| 3 | Cyclopentane, 1-methyl-2-propyl- | 126 | C9H18 | 003728-57-2 | 50 |
| 4 | cis-4-Nonene | 126 | C9H18 | 010405-84-2 | 49 |
| 5 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 46 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

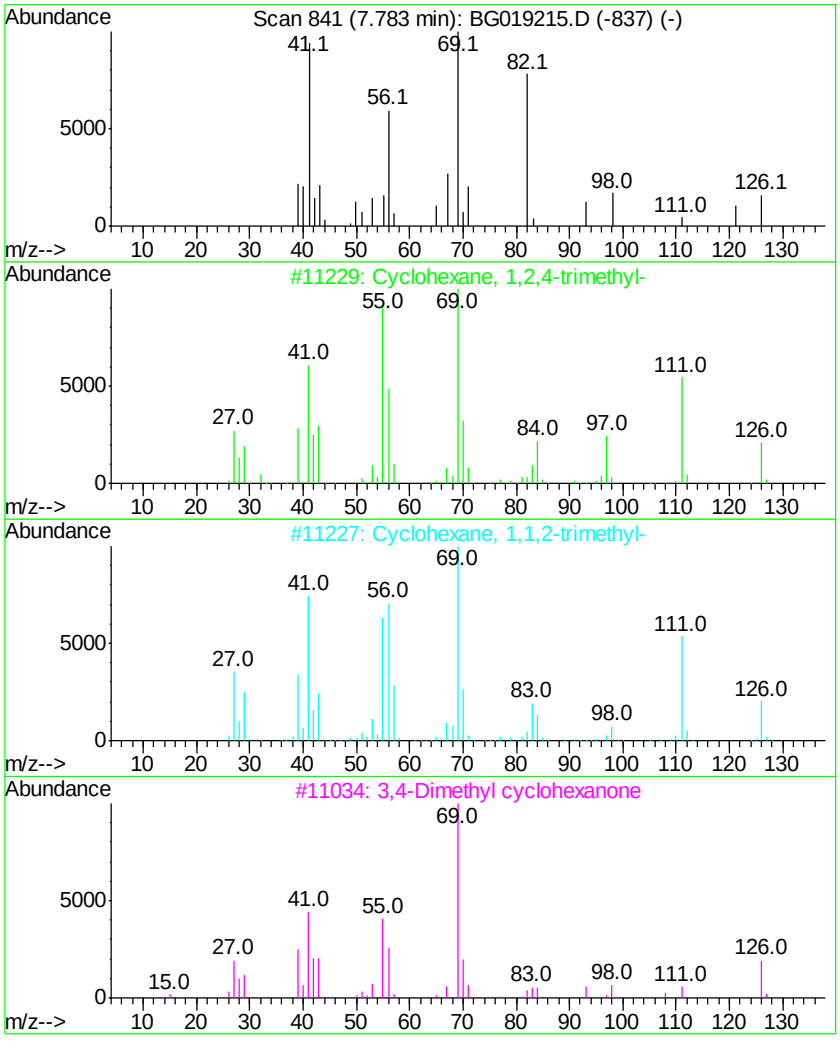
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

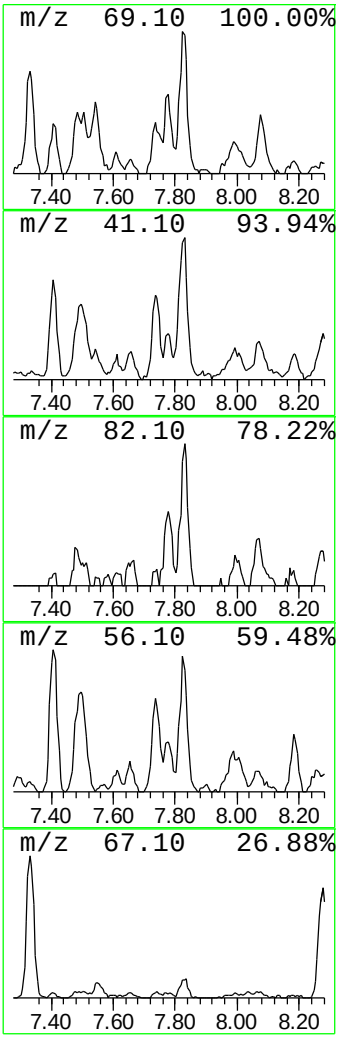
**********

Peak Number 13 (DEL) Alkane: Cyclic7.78 Concentration Rank 75

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.78 | 3.83 ng/ul | 27562 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 53 |
| 2 | Cyclohexane, 1,1,2-trimethyl- | 126 | C9H18 | 007094-26-0 | 50 |
| 3 | 3,4-Dimethyl cyclohexanone | 126 | C8H14O | 005465-09-8 | 49 |
| 4 | 2,5-Dimethylcyclohexanone | 126 | C8H14O | 000932-51-4 | 45 |
| 5 | 1-Pentene, 3,3-dimethyl- | 98 | C7H14 | 003404-73-7 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

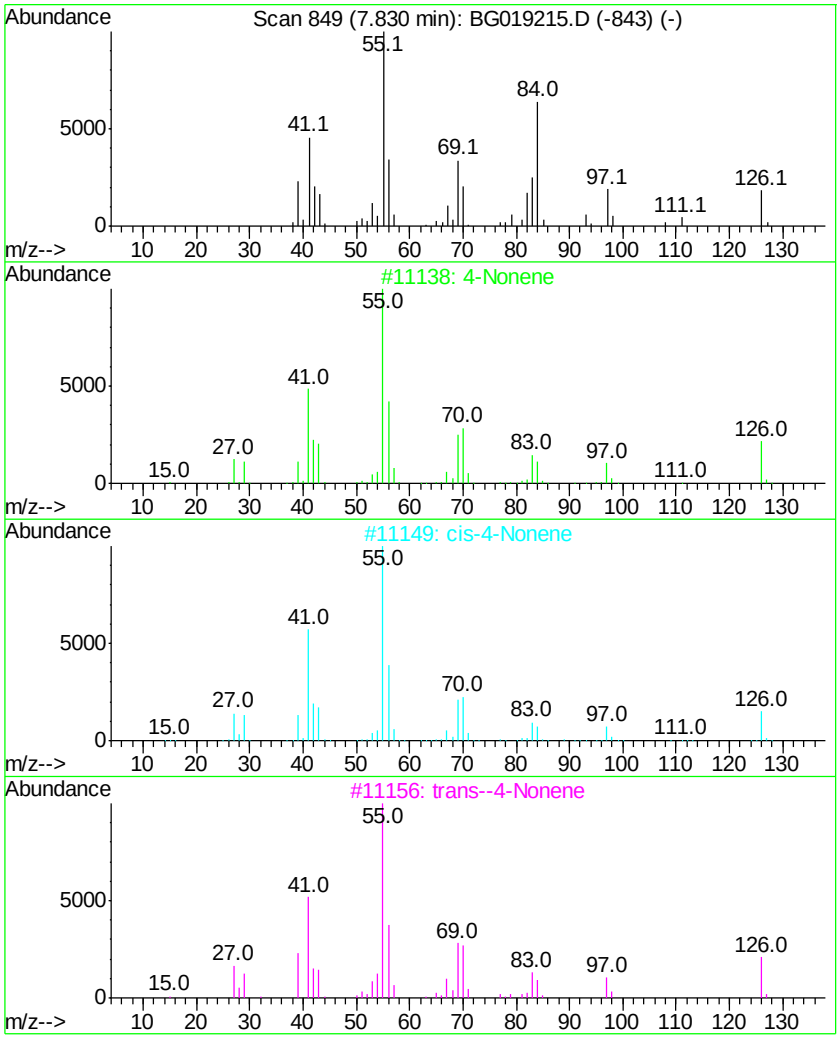
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

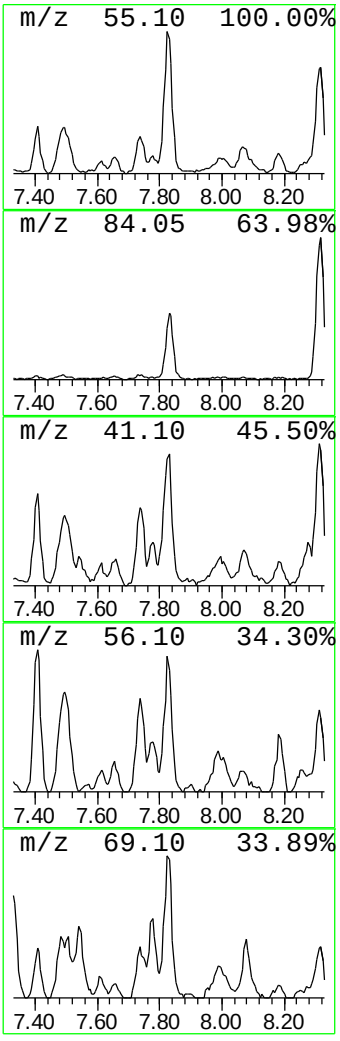
**********

Peak Number 14 (DEL) Alkane: Cyclic7.83 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.83 | 22.86 ng/ul | 164686 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Nonene | 126 | C9H18 | 002198-23-4 | 52 |
| 2 | cis-4-Nonene | 126 | C9H18 | 010405-84-2 | 49 |
| 3 | trans--4-Nonene | 126 | C9H18 | 010405-85-3 | 47 |
| 4 | Cyclopentanone | 84 | C5H8O | 000120-92-3 | 46 |
| 5 | cis-2-Nonene | 126 | C9H18 | 006434-77-1 | 46 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

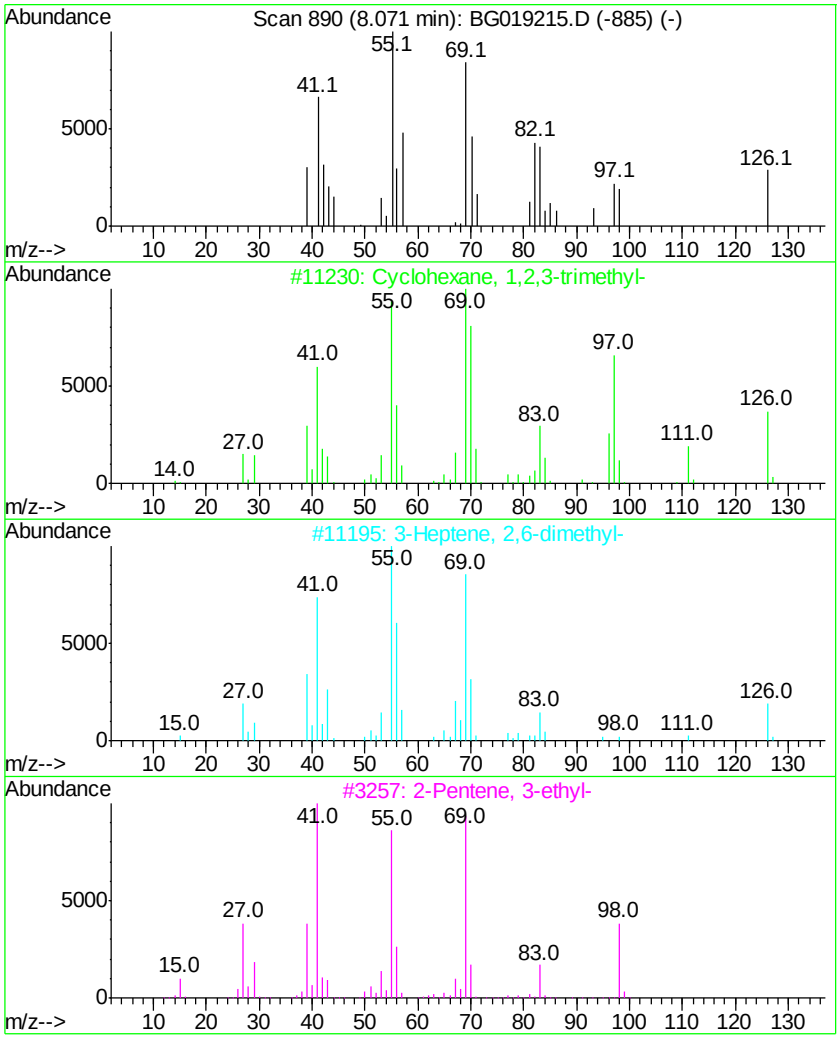
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

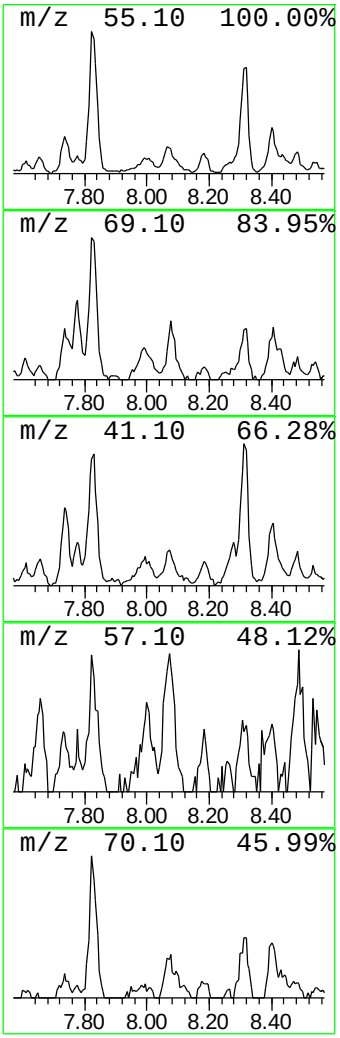
**********

Peak Number 15 (DEL) Alkane: Cyclic8.07 Concentration Rank 69

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.07 | 4.68 ng/ul | 33697 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2,3-trimethyl- | 126 | C9H18 | 001678-97-3 | 49 |
| 2 | 3-Heptene, 2,6-dimethyl- | 126 | C9H18 | 002738-18-3 | 43 |
| 3 | 2-Pentene, 3-ethyl- | 98 | C7H14 | 000816-79-5 | 38 |
| 4 | 1-Butene, 2-ethyl-3-methyl- | 98 | C7H14 | 007357-93-9 | 35 |
| 5 | Cyclohexanone, 3,5-dimethyl- | 126 | C8H14O | 002320-30-1 | 35 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

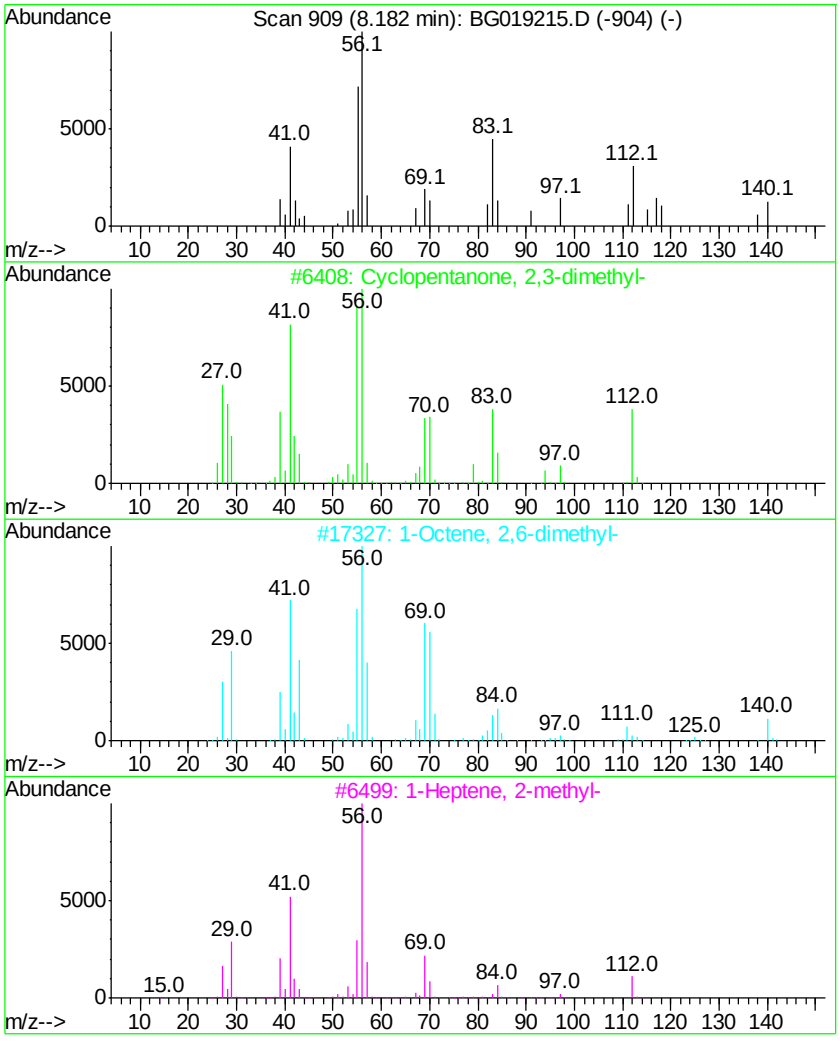
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

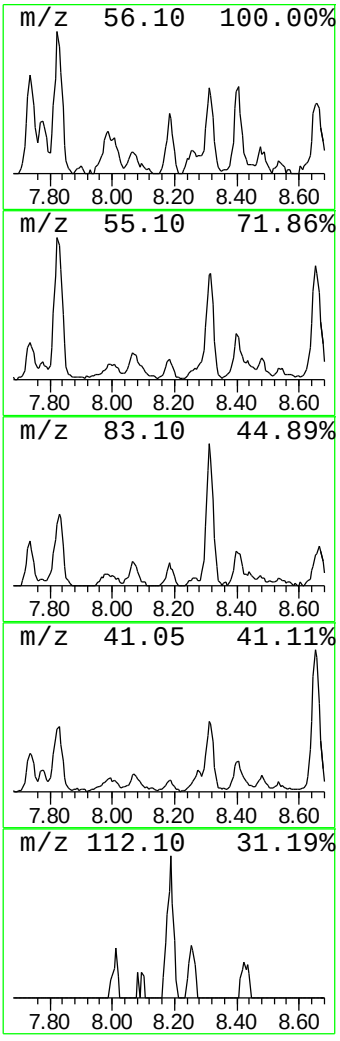
**********

Peak Number 16 Cyclopentanone, 2,3-dimethyl- Concentration Rank 73

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.18 | 4.24 ng/ul | 30533 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanone, 2,3-dimethyl- | 112 | C7H12O | 1000151-06-7 | 58 |
| 2 | 1-Octene, 2,6-dimethyl- | 140 | C10H20 | 006874-29-9 | 46 |
| 3 | 1-Heptene, 2-methyl- | 112 | C8H16 | 015870-10-7 | 43 |
| 4 | Cyclopentanone, 2,2-dimethyl- | 112 | C7H12O | 004541-32-6 | 43 |
| 5 | 2-Methyl-1-nonene | 140 | C10H20 | 002980-71-4 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

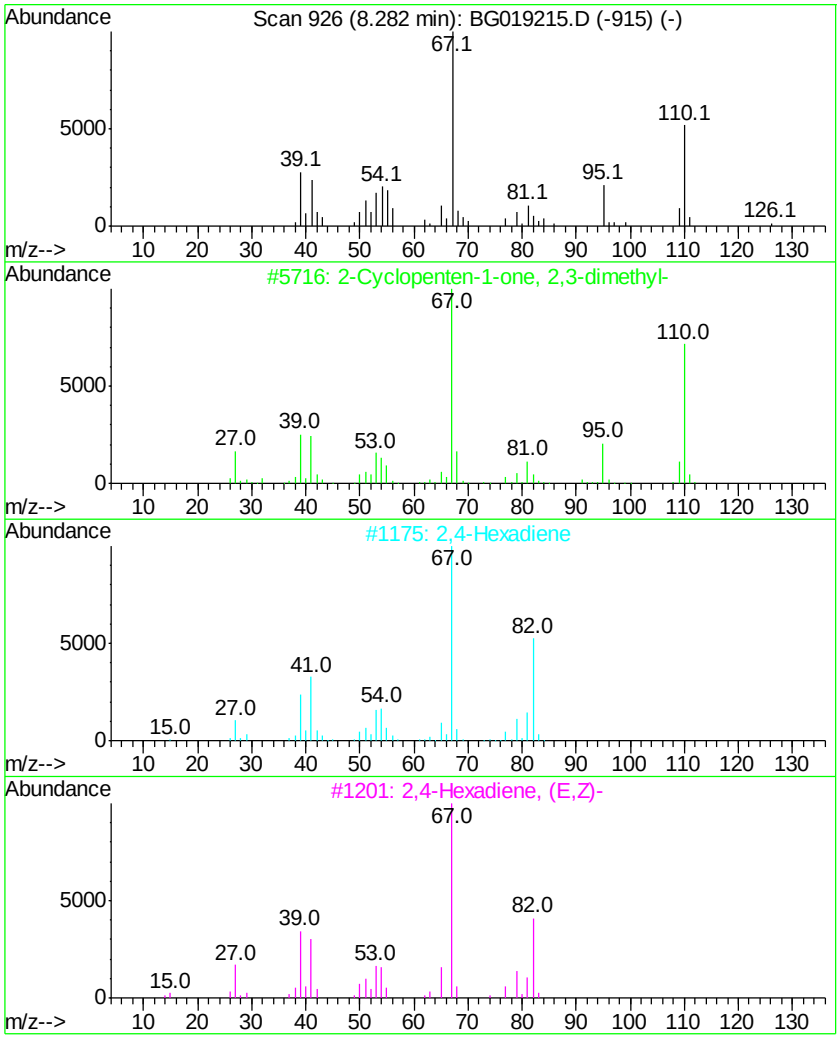
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

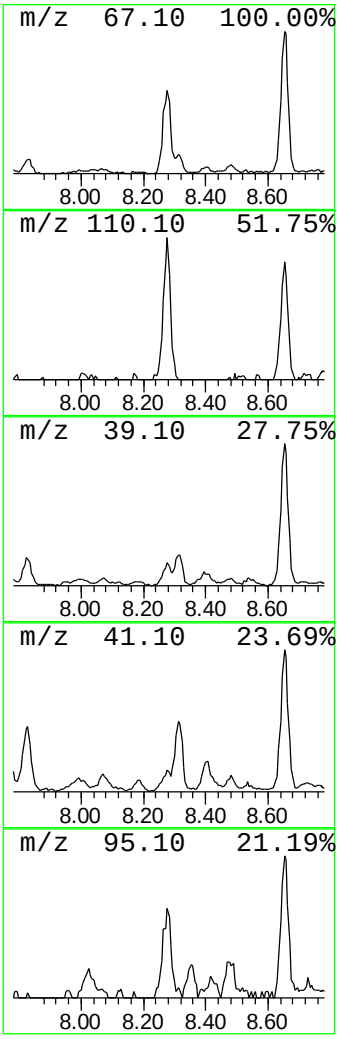
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 2-Cyclopenten-1-one, 2,3-di... Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.28 | 15.16 ng/ul | 109205 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclopenten-1-one, 2,3-dimethyl- | 110 | C7H10O | 001121-05-7 | 72 |
| 2 | 2,4-Hexadiene | 82 | C6H10 | 000592-46-1 | 64 |
| 3 | 2,4-Hexadiene, (E,Z)- | 82 | C6H10 | 005194-50-3 | 58 |
| 4 | 2,4-Hexadiene, (Z,Z)- | 82 | C6H10 | 006108-61-8 | 58 |
| 5 | 1,3-Hexadiene,c&t | 82 | C6H10 | 000592-48-3 | 52 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

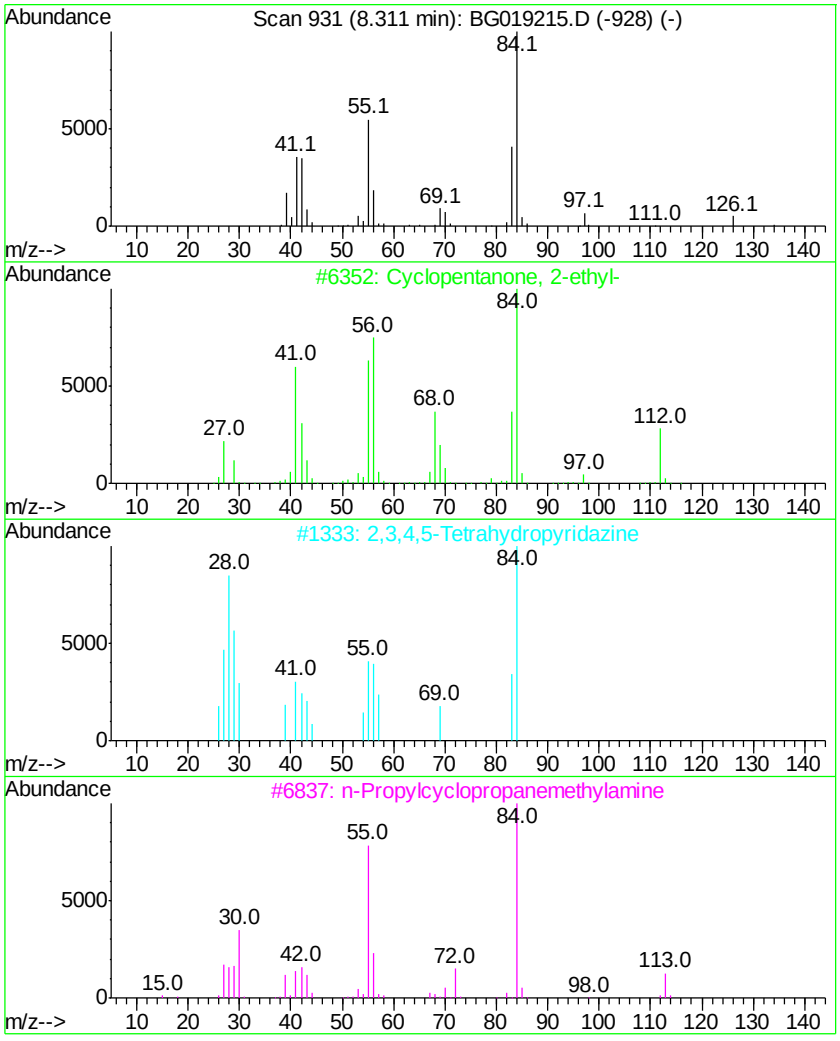
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

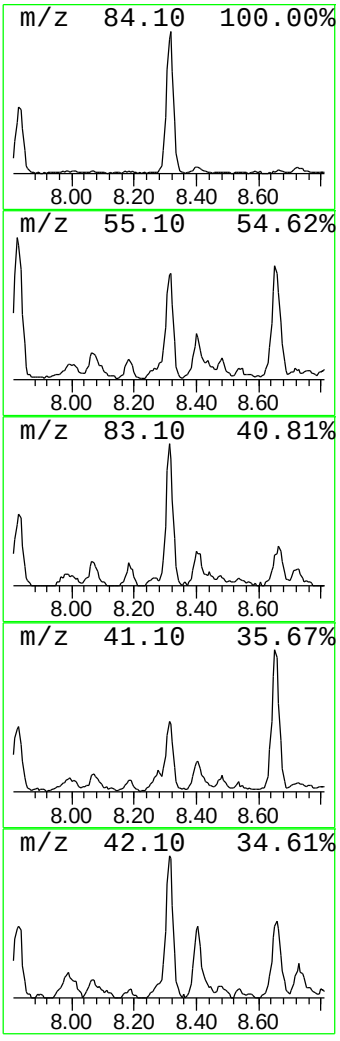
**********

Peak Number 18 Cyclopentanone, 2-ethyl- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.31 | 20.22 ng/ul | 145643 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanone, 2-ethyl- | 112 | C7H12O | 004971-18-0 | 64 |
| 2 | 2,3,4,5-Tetrahydropyridazine | 84 | C4H8N2 | 000694-06-4 | 50 |
| 3 | n-Propylcyclopropanemethylamine | 113 | C7H15N | 026389-60-6 | 50 |
| 4 | n-Propylcyclopropanemethylamine | 113 | C7H15N | 026389-60-6 | 50 |
| 5 | Cyanic acid, 2,2-dimethylpropyl ... | 113 | C6H11NO | 001459-44-5 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

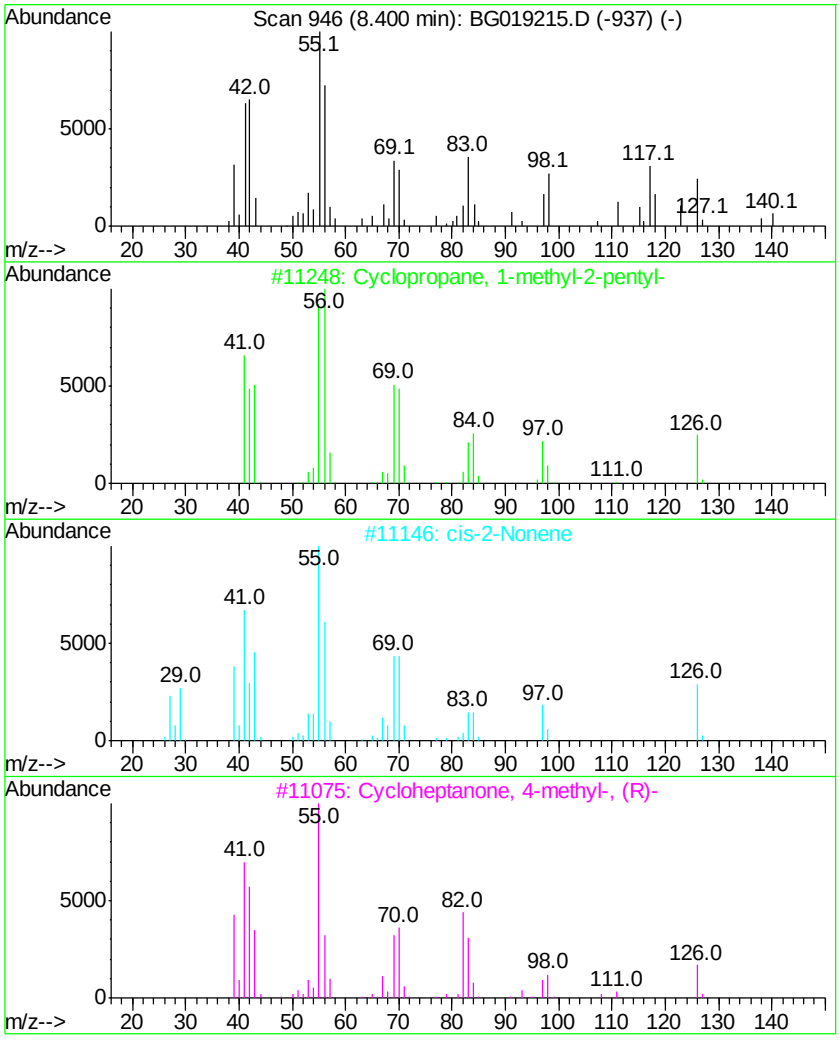
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

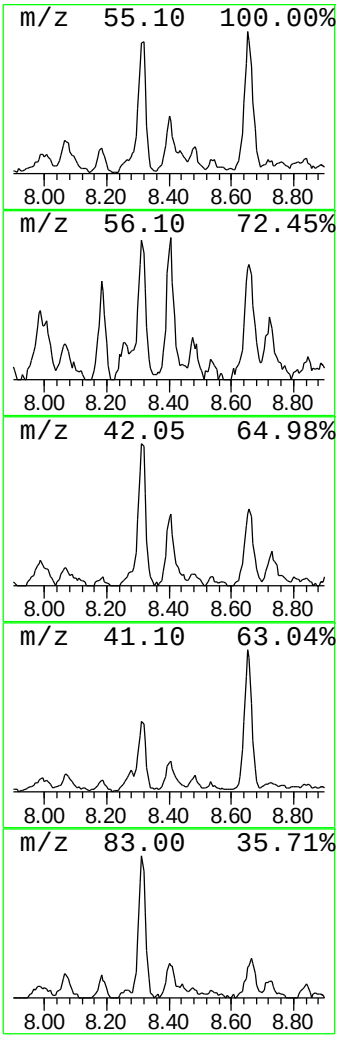
**********

Peak Number 19 (DEL) Alkane: Cyclic8.40 Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.40 | 15.69 ng/ul | 112985 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 1-methyl-2-pentyl- | 126 | C9H18 | 041977-37-1 | 58 |
| 2 | cis-2-Nonene | 126 | C9H18 | 006434-77-1 | 50 |
| 3 | Cycloheptanone, 4-methyl-, (R)- | 126 | C8H14O | 013609-59-1 | 49 |
| 4 | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12 | 019781-68-1 | 46 |
| 5 | 2-Nonene, (E)- | 126 | C9H18 | 006434-78-2 | 46 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

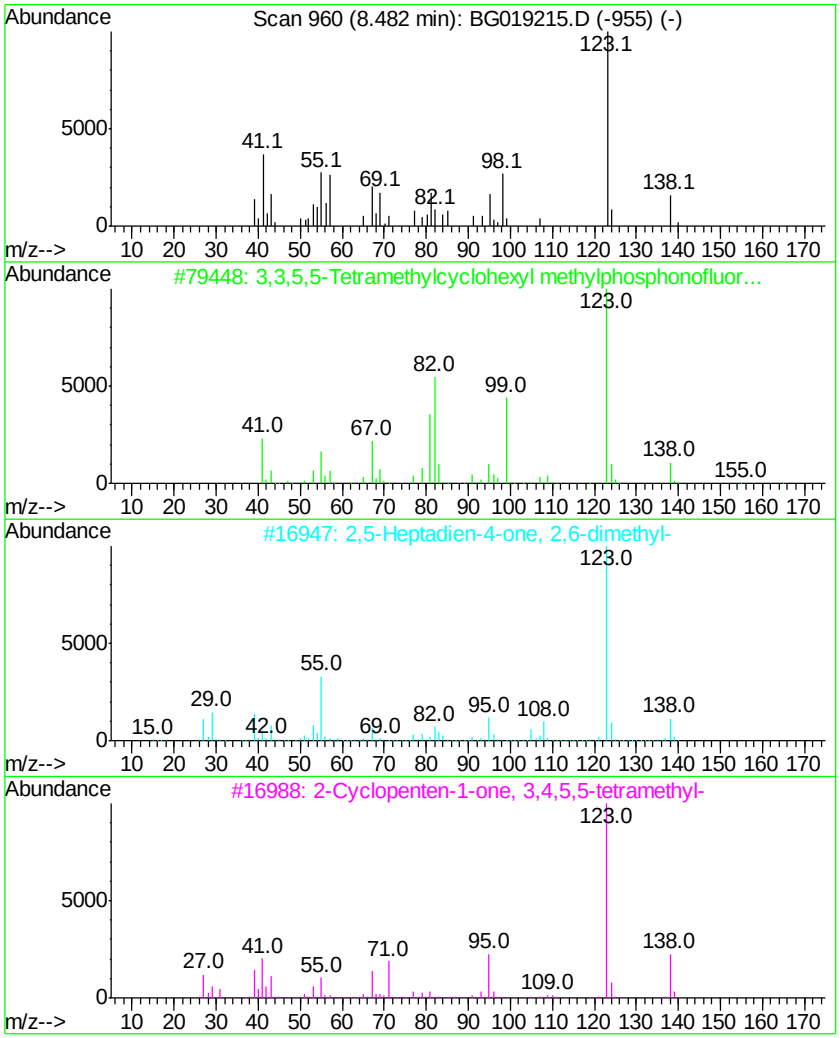
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

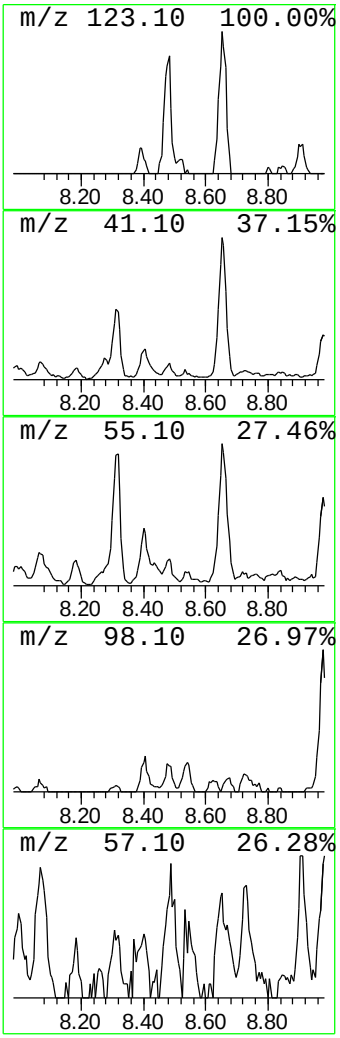
**********

Peak Number 20 3,3,5,5-Tetramethylcyclohex... Concentration Rank 68

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.48 | 5.04 ng/ul | 36297 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,3,5,5-Tetramethylcyclohexyl me... | 236 | C11H22FO2P | 1000298-38-5 | 64 |
| 2 | 2,5-Heptadien-4-one, 2,6-dimethyl- | 138 | C9H14O | 000504-20-1 | 53 |
| 3 | 2-Cyclopenten-1-one, 3,4,5,5-tet... | 138 | C9H14O | 090611-02-2 | 53 |
| 4 | Furan, 2-(1,1-dimethylethyl)-4-m... | 138 | C9H14O | 006141-68-0 | 53 |
| 5 | Cyclopentene, 1,2,3,4,5-pentamet... | 138 | C10H18 | 1000154-28-6 | 52 |



# Library Search Compound Report

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Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

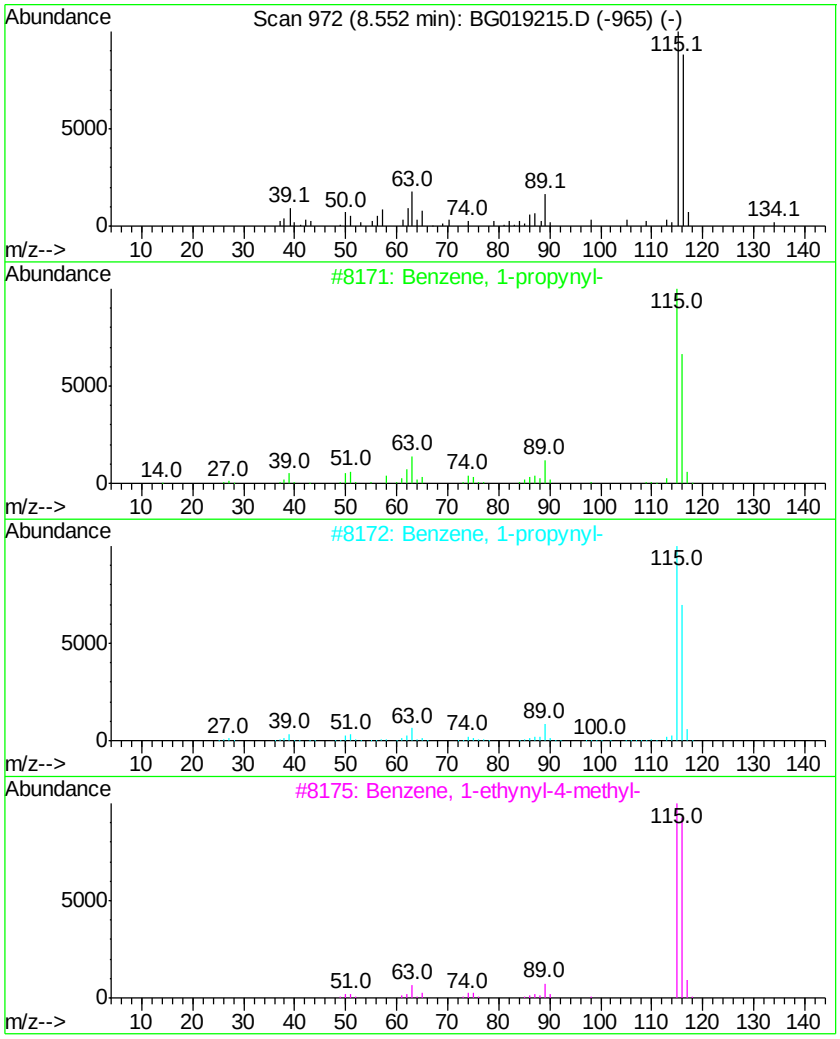
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

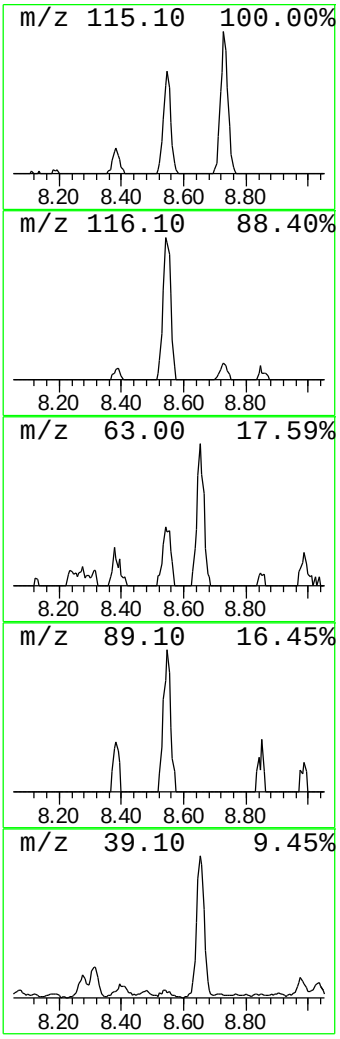
**********

Peak Number 21 Benzene, 1-propynyl- Concentration Rank 58

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.55 | 8.71 ng/ul | 62721 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 87 |
| 3 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 87 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 87 |
| 5 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 87 |



# Library Search Compound Report

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Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

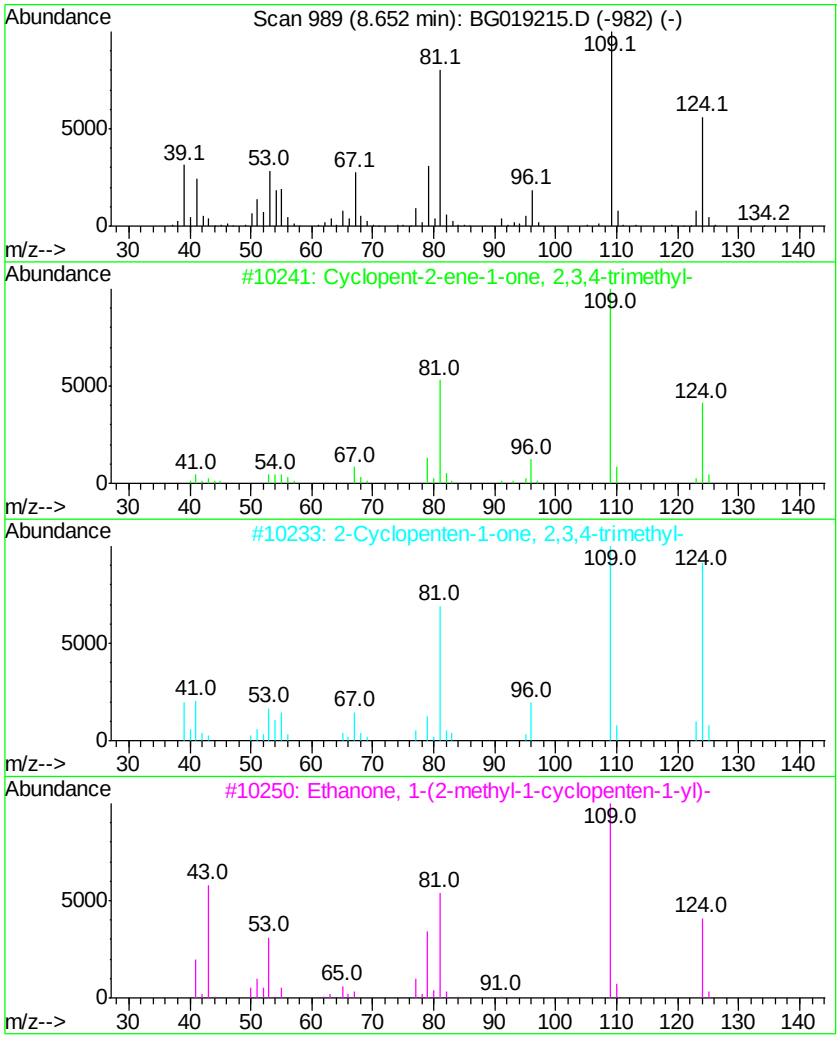
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

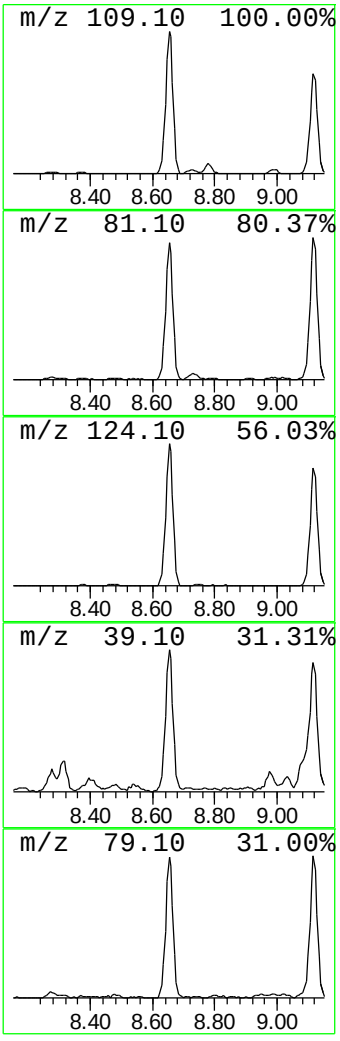
**********

Peak Number 22 Cyclopent-2-ene-1-one, 2,3,... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.65 | 101.49 ng/ul | 731090 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopent-2-ene-1-one, 2,3,4-tri... | 124 | C8H12O | 083321-16-8 | 93 |
| 2 | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O | 028790-86-5 | 90 |
| 3 | Ethanone, 1-(2-methyl-1-cyclopen... | 124 | C8H12O | 003168-90-9 | 90 |
| 4 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 81 |
| 5 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 74 |



# Library Search Compound Report

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Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

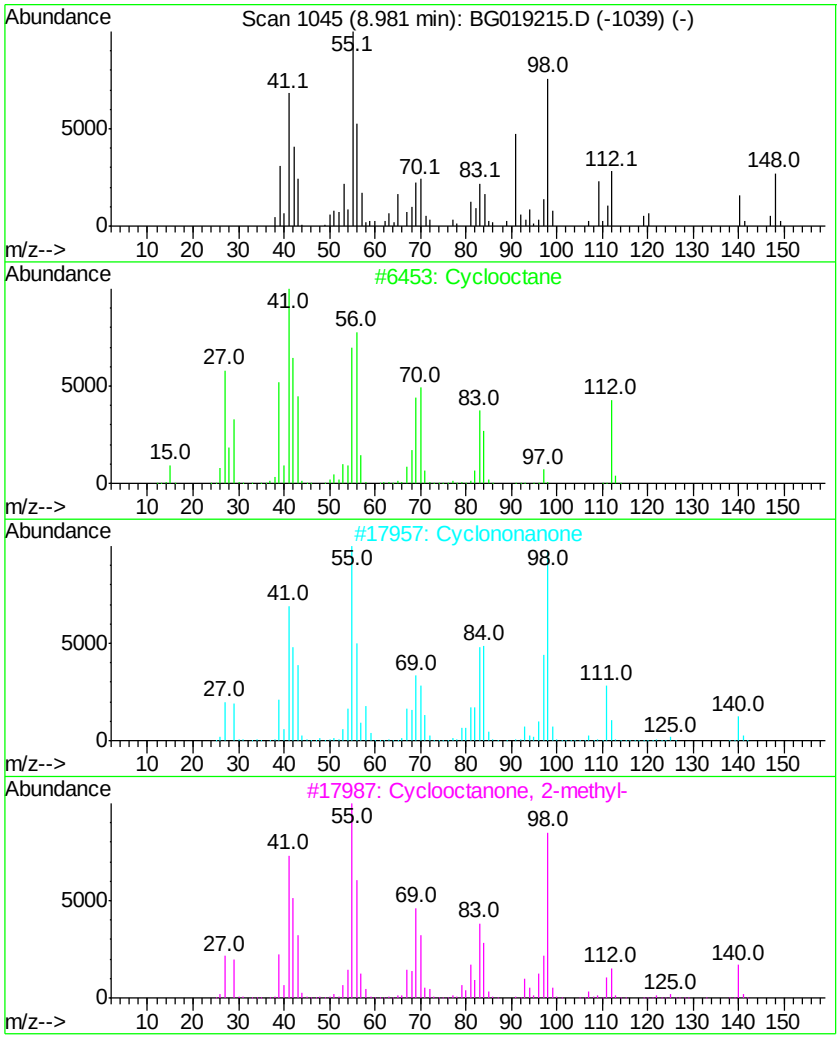
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

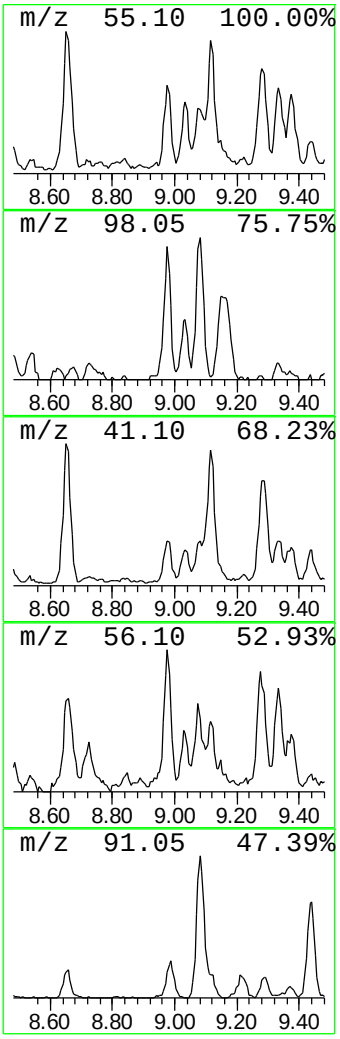
**********

Peak Number 23 (DEL) Alkane: Cyclic8.98 Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.98 | 16.41 ng/ul | 118172 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclooctane | 112 | C8H16 | 000292-64-8 | 86 |
| 2 | Cyclononanone | 140 | C9H16O | 003350-30-9 | 64 |
| 3 | Cyclooctanone, 2-methyl- | 140 | C9H16O | 010363-27-6 | 53 |
| 4 | 3-Decene | 140 | C10H20 | 019398-37-9 | 43 |
| 5 | 2-Pentene, 3,4-dimethyl- | 98 | C7H14 | 024910-63-2 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

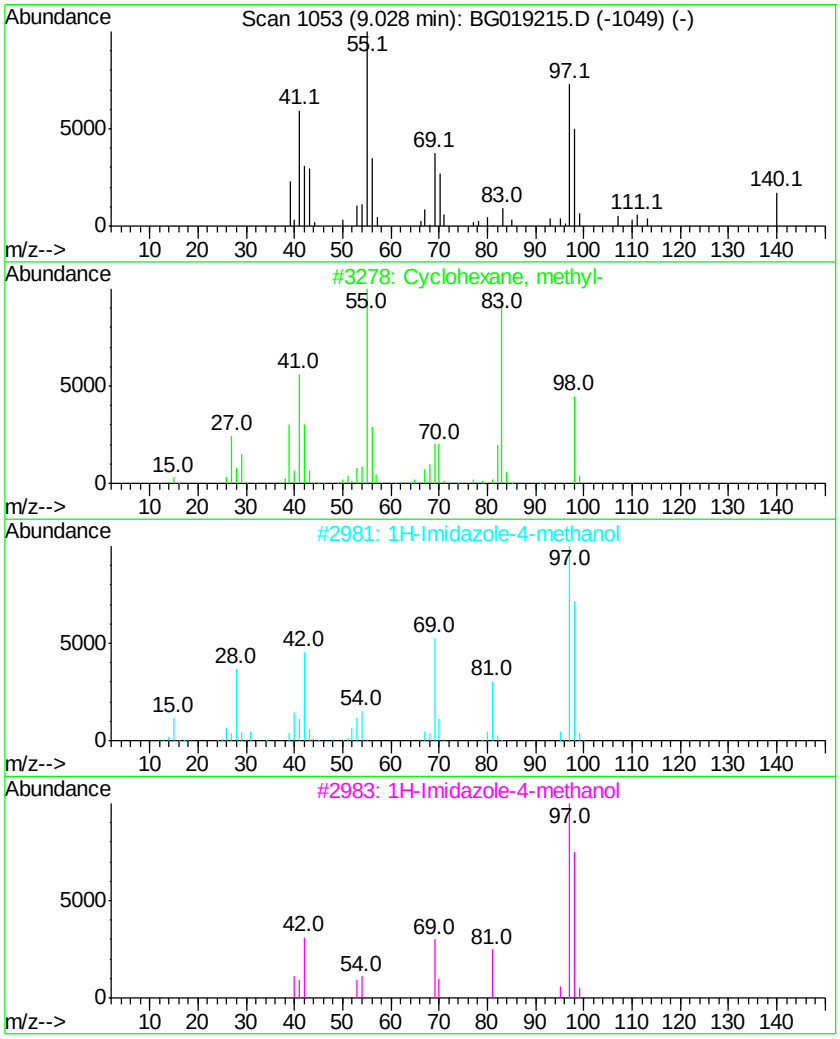
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

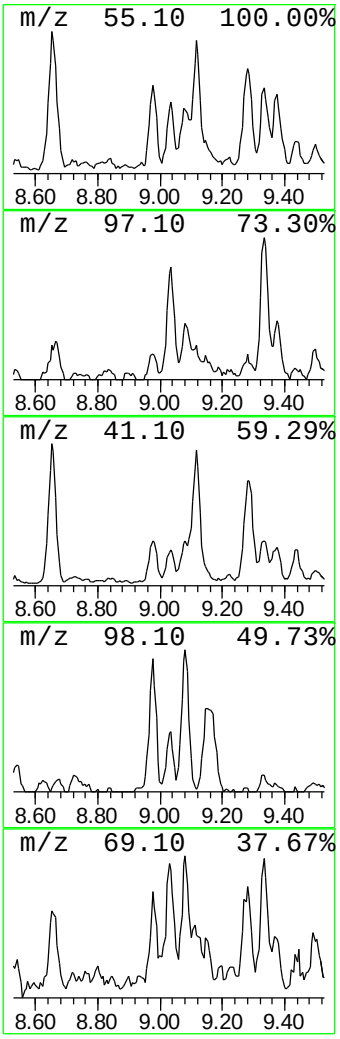
**********

Peak Number 24 (DEL) Alkane: Cyclic9.03 Concentration Rank 61

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.03 | 7.24 ng/ul | 52135 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 49 |
| 2 | 1H-Imidazole-4-methanol | 98 | C4H6N2O | 000822-55-9 | 49 |
| 3 | 1H-Imidazole-4-methanol | 98 | C4H6N2O | 000822-55-9 | 46 |
| 4 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 43 |
| 5 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 43 |



# Library Search Compound Report

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Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

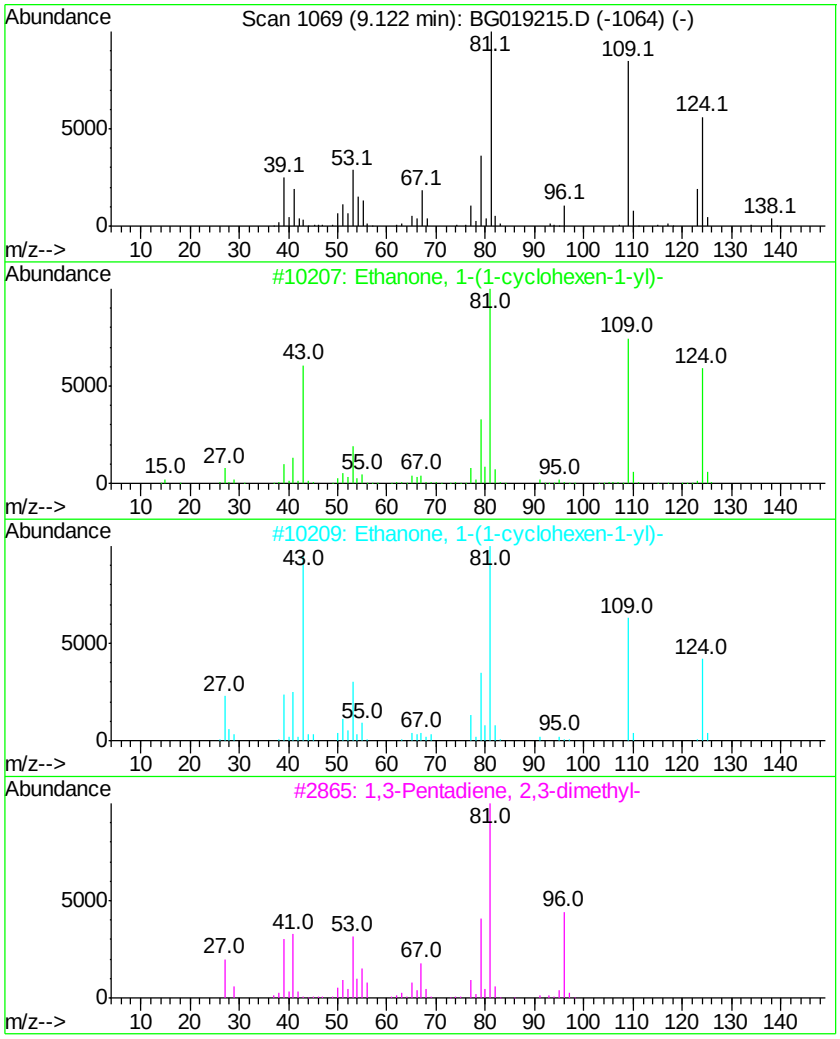
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

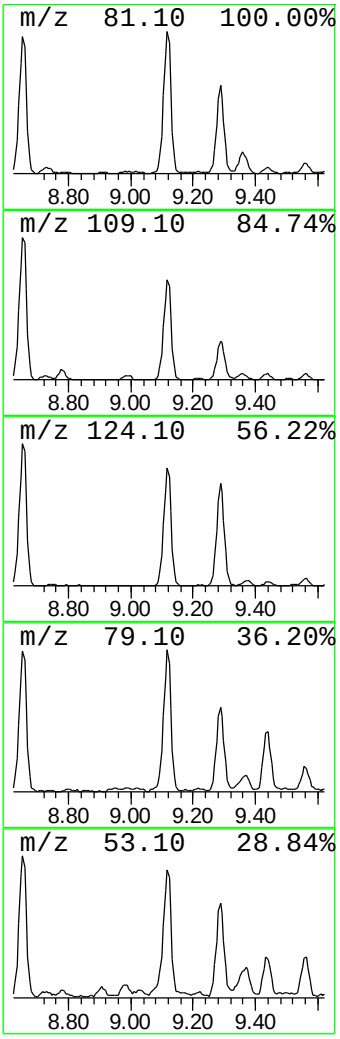
**********

Peak Number 25 Ethanone, 1-(1-cyclohexen-1... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.12 | 76.95 ng/ul | 554300 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O | 000932-66-1 | 74 |
| 2 | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O | 000932-66-1 | 72 |
| 3 | 1,3-Pentadiene, 2,3-dimethyl- | 96 | C7H12 | 001113-56-0 | 64 |
| 4 | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O | 000932-66-1 | 59 |
| 5 | 1,3-Pentadiene, 2,4-dimethyl- | 96 | C7H12 | 001000-86-8 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

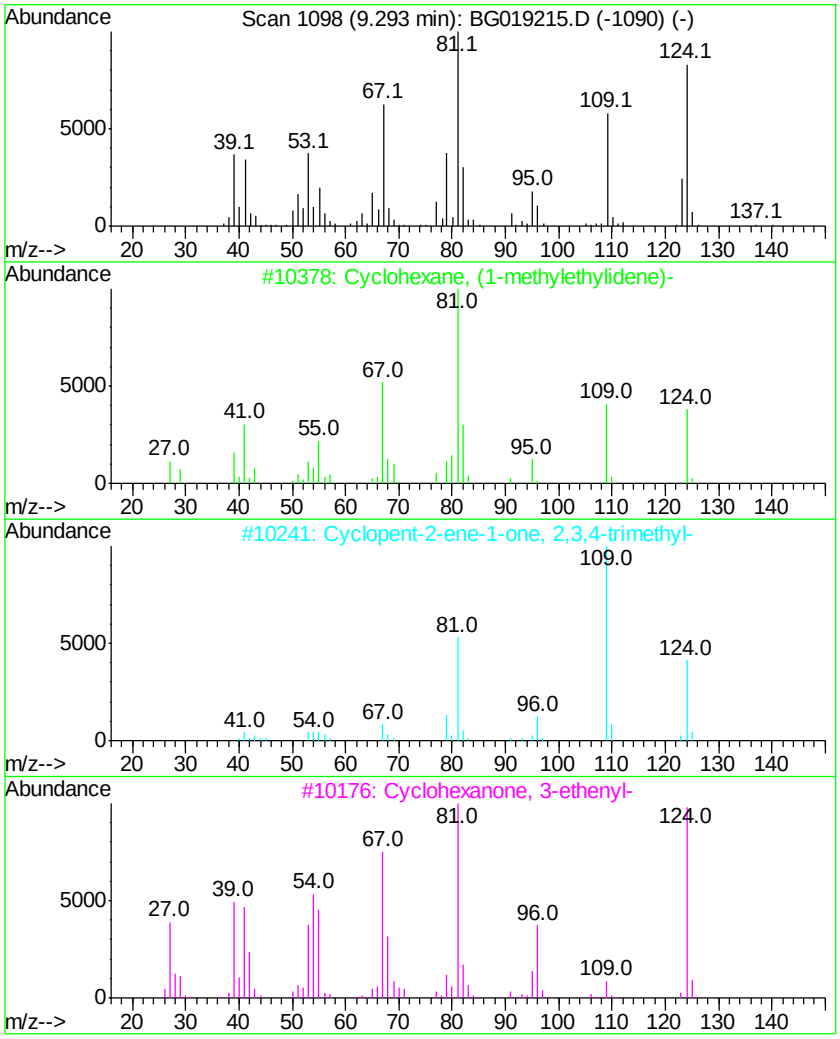
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

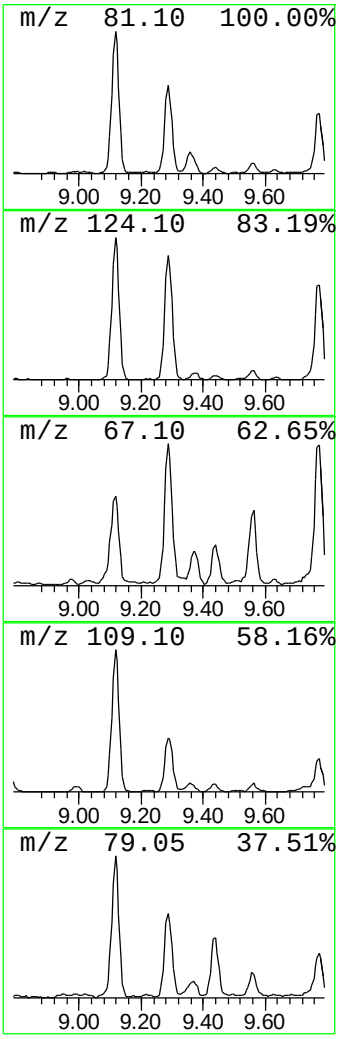
**********

Peak Number 26 Cyclohexane, (1-methylethyl... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.29 | 71.17 ng/ul | 512655 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (1-methylethylidene)- | 124 | C9H16 | 005749-72-4 | 83 |
| 2 | Cyclopent-2-ene-1-one, 2,3,4-tri... | 124 | C8H12O | 083321-16-8 | 64 |
| 3 | Cyclohexanone, 3-ethenyl- | 124 | C8H12O | 001740-63-2 | 64 |
| 4 | 2-Cyclopenten-1-one, 3,5,5-trime... | 124 | C8H12O | 024156-95-4 | 58 |
| 5 | 2-Cyclopenten-1-one, 3,5,5-trime... | 124 | C8H12O | 024156-95-4 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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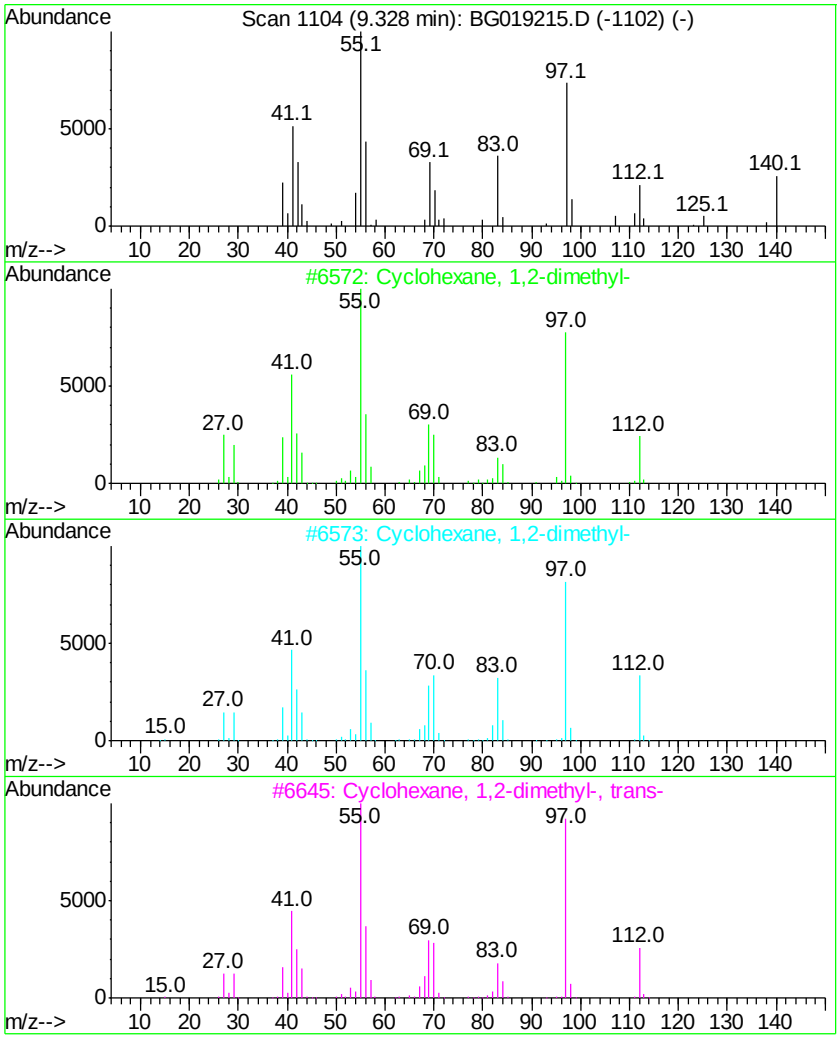
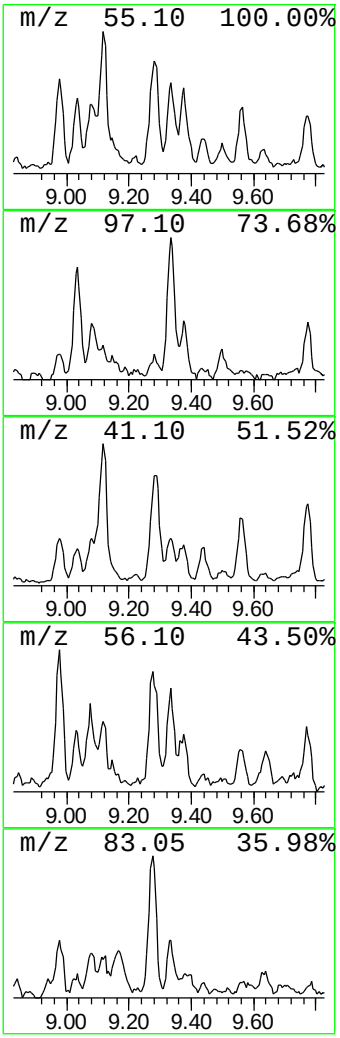
Peak Number 27 (DEL) Alkane: Cyclic9.33 Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.33 | 8.77 ng/ul | 63163 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- | 112 | C8H16 | 000583-57-3 | 80 |
| 2 | Cyclohexane, 1,2-dimethyl- | 112 | C8H16 | 000583-57-3 | 72 |
| 3 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 64 |
| 4 | Acetaldehyde, 2-butenylhydrazone | 112 | C6H12N2 | 075268-07-4 | 50 |
| 5 | 1H-Pyrazole, 4,5-dihydro-3,5,5-t... | 112 | C6H12N2 | 003975-85-7 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

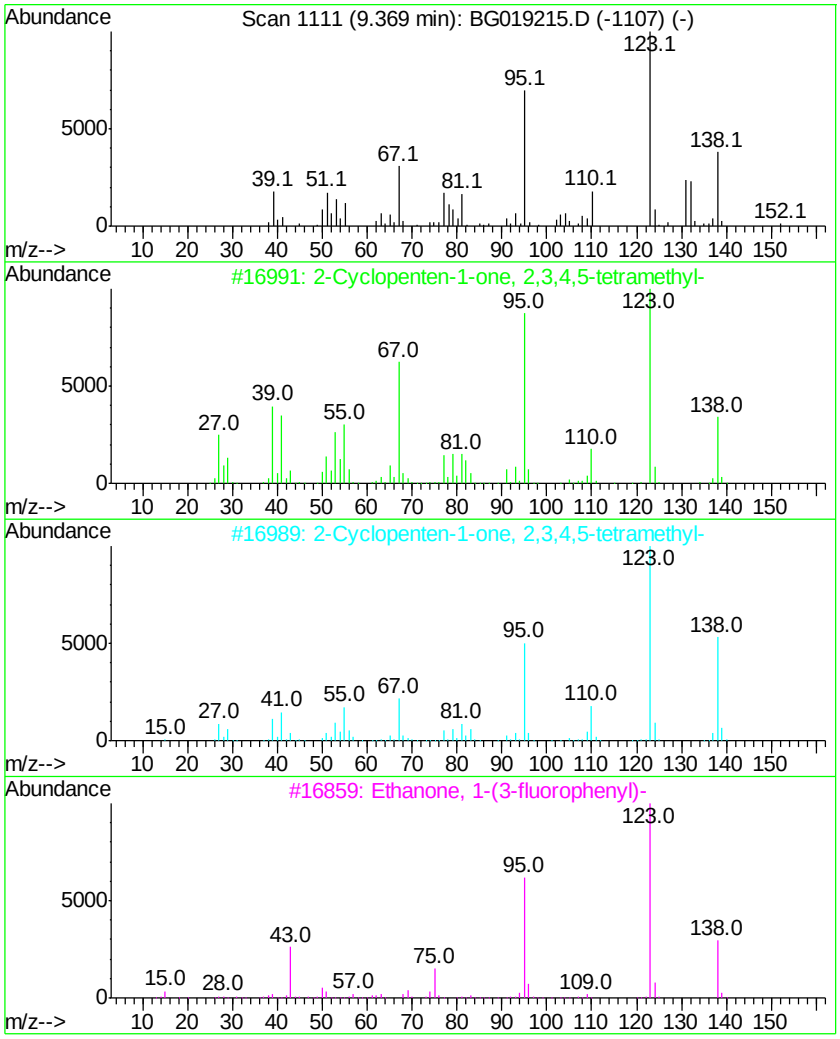
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

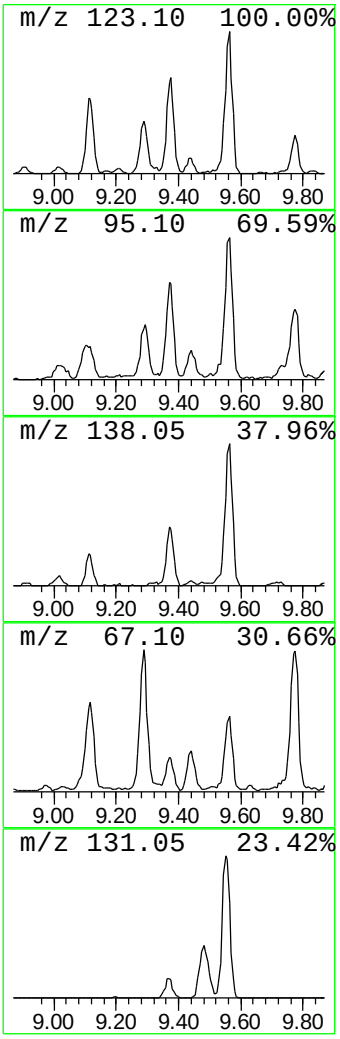
**********

Peak Number 28 2-Cyclopenten-1-one, 2,3,4,... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.37 | 30.88 ng/ul | 222457 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclopenten-1-one, 2,3,4,5-tet... | 138 | C9H14O | 054458-61-6 | 81 |
| 2 | 2-Cyclopenten-1-one, 2,3,4,5-tet... | 138 | C9H14O | 054458-61-6 | 81 |
| 3 | Ethanone, 1-(3-fluorophenyl)- | 138 | C8H7FO | 000455-36-7 | 52 |
| 4 | Phenol, 4-methoxy-3-methyl- | 138 | C8H10O2 | 014786-82-4 | 52 |
| 5 | Benzene, 1,4-dimethoxy- | 138 | C8H10O2 | 000150-78-7 | 52 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

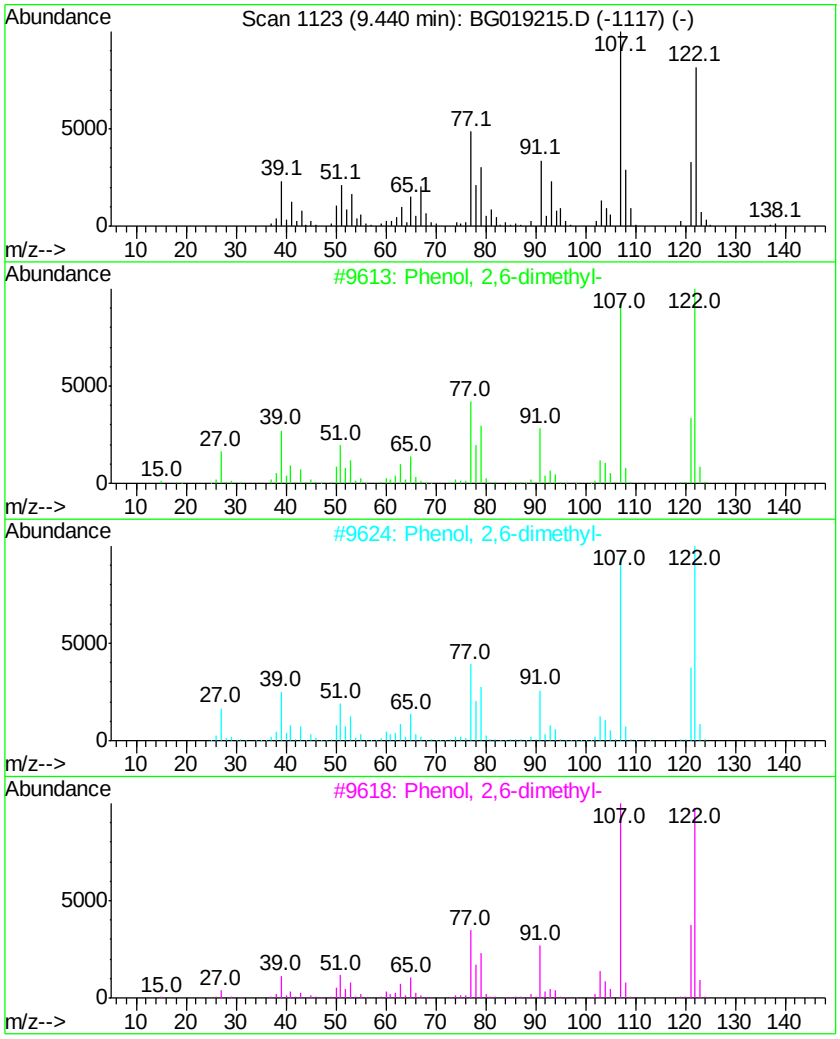
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

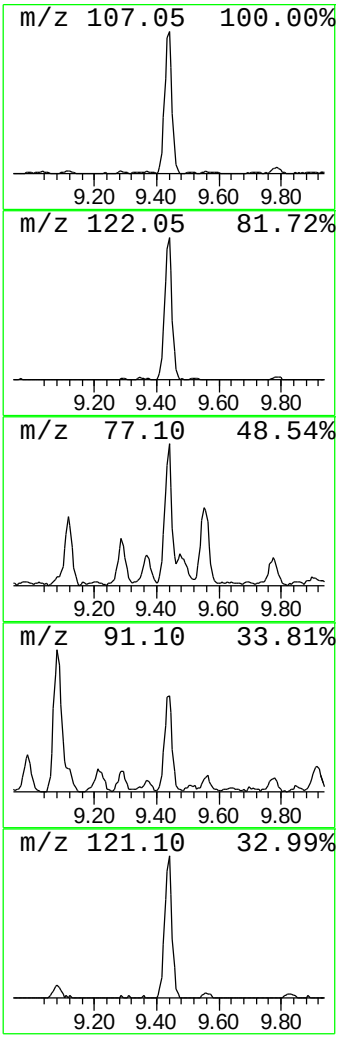
**********

Peak Number 29 Phenol, 2,6-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.44 | 54.17 ng/ul | 373507 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 97 |
| 2 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 96 |
| 3 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 95 |
| 4 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 95 |
| 5 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 95 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

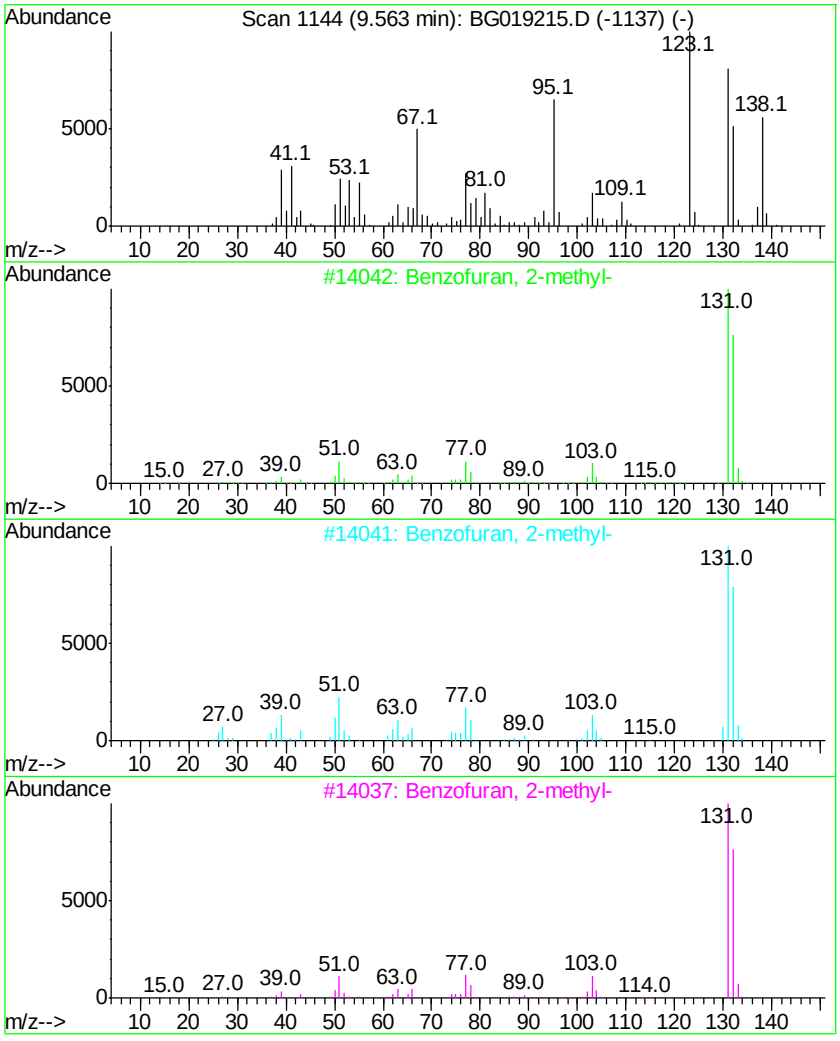
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

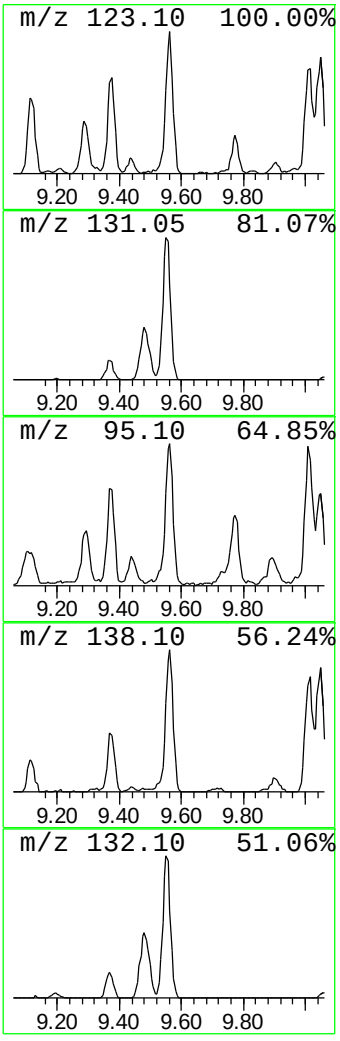
**********

Peak Number 30 Benzofuran, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.56 | 60.38 ng/ul | 416325 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 86 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 86 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 86 |
| 4 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 49 |
| 5 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 46 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

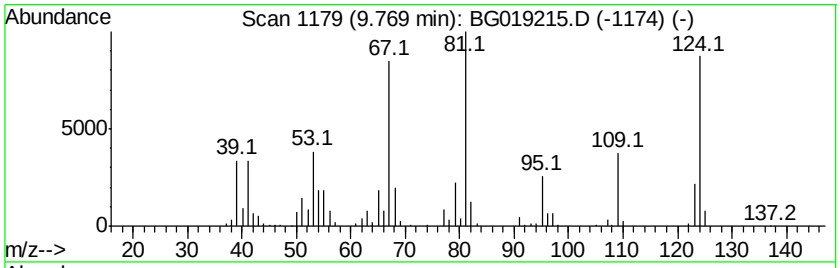
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

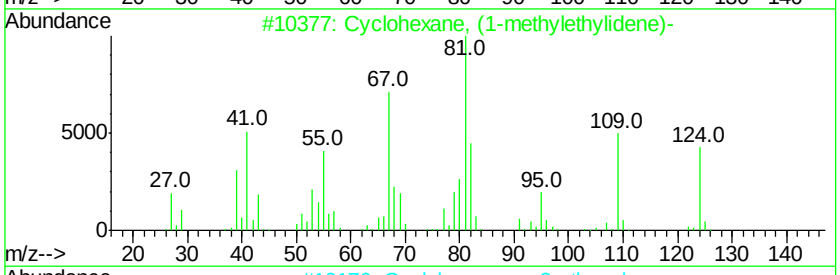
**********

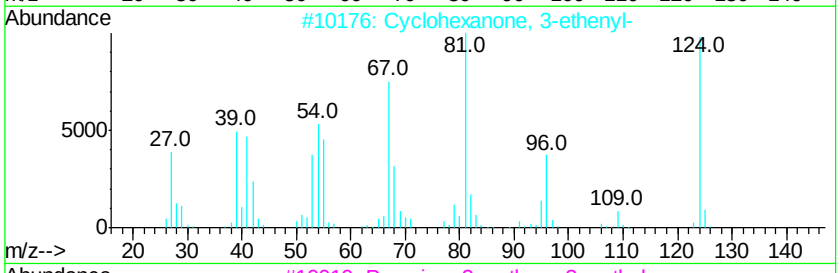
Peak Number 31 Cyclohexanone, 3-ethenyl- Concentration Rank 14

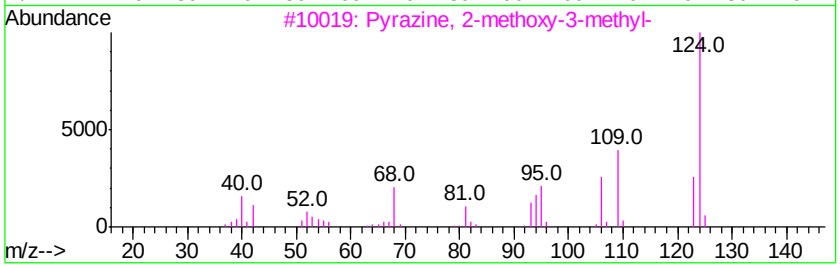
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.77 | 50.80 ng/ul | 350301 | Naphthalene-d8 | 10.81 |

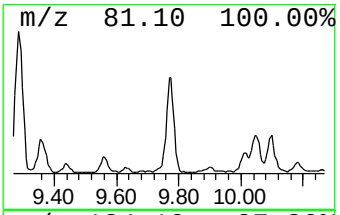
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (1-methylethylidene)- | 124 | C9H16 | 005749-72-4 | 72 |
| 2 | Cyclohexanone, 3-ethenyl- | 124 | C8H12O | 001740-63-2 | 52 |
| 3 | Pyrazine, 2-methoxy-3-methyl- | 124 | C6H8N2O | 002847-30-5 | 45 |
| 4 | Ethylidenecycloheptane | 124 | C9H16 | 010494-87-8 | 43 |
| 5 | Pyrazine, 2-methoxy-3-methyl- | 124 | C6H8N2O | 002847-30-5 | 43 |

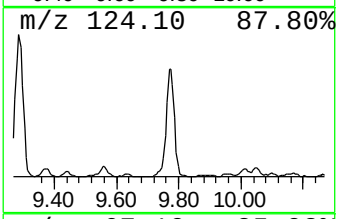


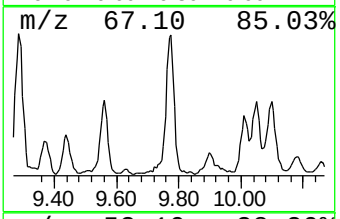



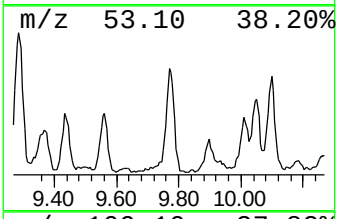



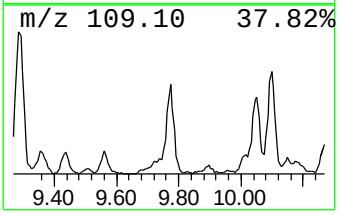



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

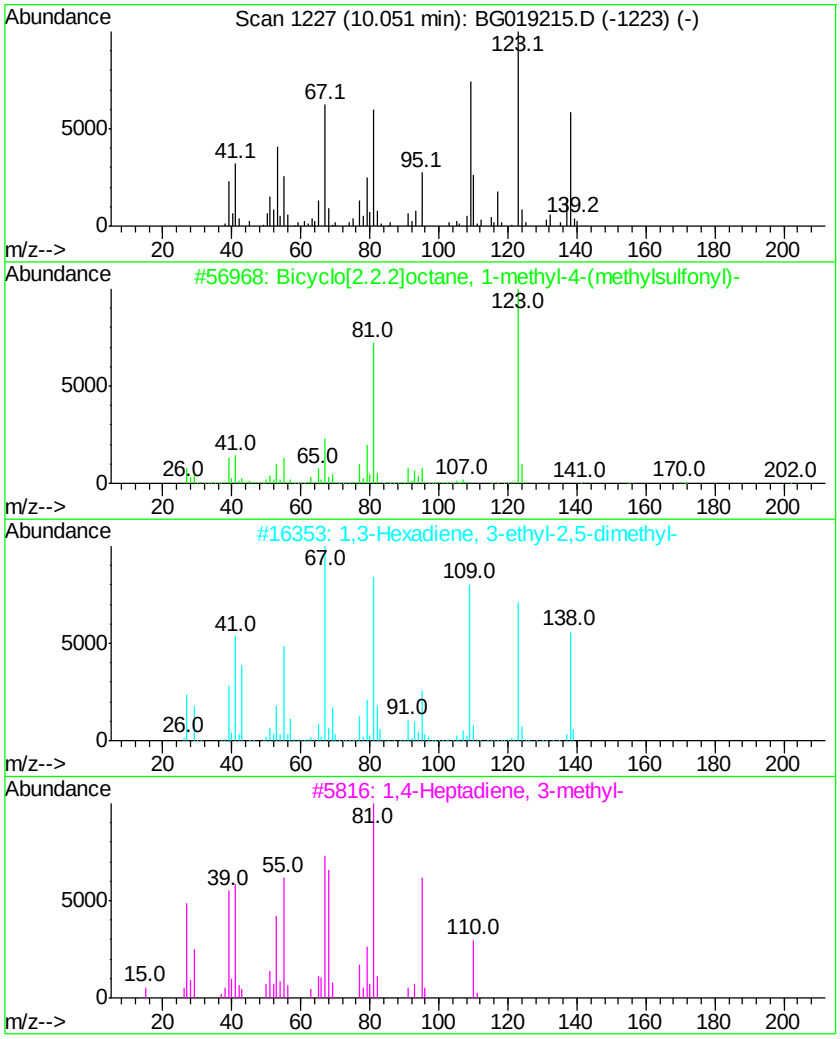
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

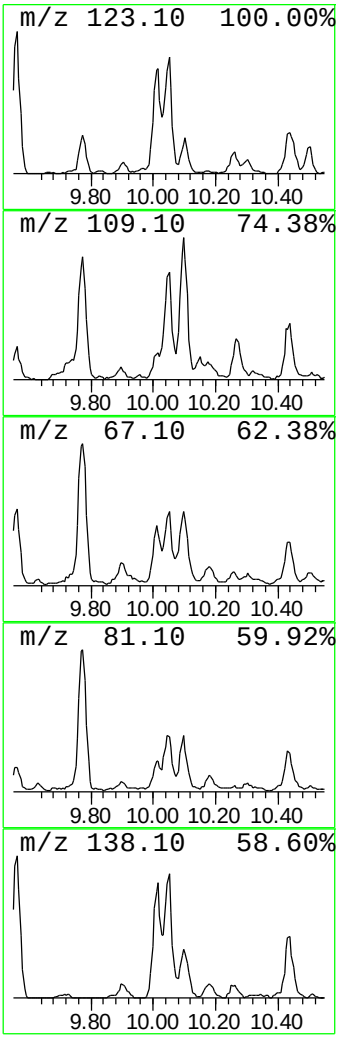
**********

Peak Number 32 unknown-01 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.05 | 35.87 ng/ul | 247371 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.2]octane, 1-methyl-4... | 202 | C10H18O2S | 069855-48-7 | 47 |
| 2 | 1,3-Hexadiene, 3-ethyl-2,5-dimet... | 138 | C10H18 | 062338-07-2 | 46 |
| 3 | 1,4-Heptadiene, 3-methyl- | 110 | C8H14 | 001603-01-6 | 38 |
| 4 | 2,4-Heptadienal, (E,E)- | 110 | C7H10O | 004313-03-5 | 35 |
| 5 | 2-Methoxy-6-methylphenol | 138 | C8H10O2 | 002896-67-5 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

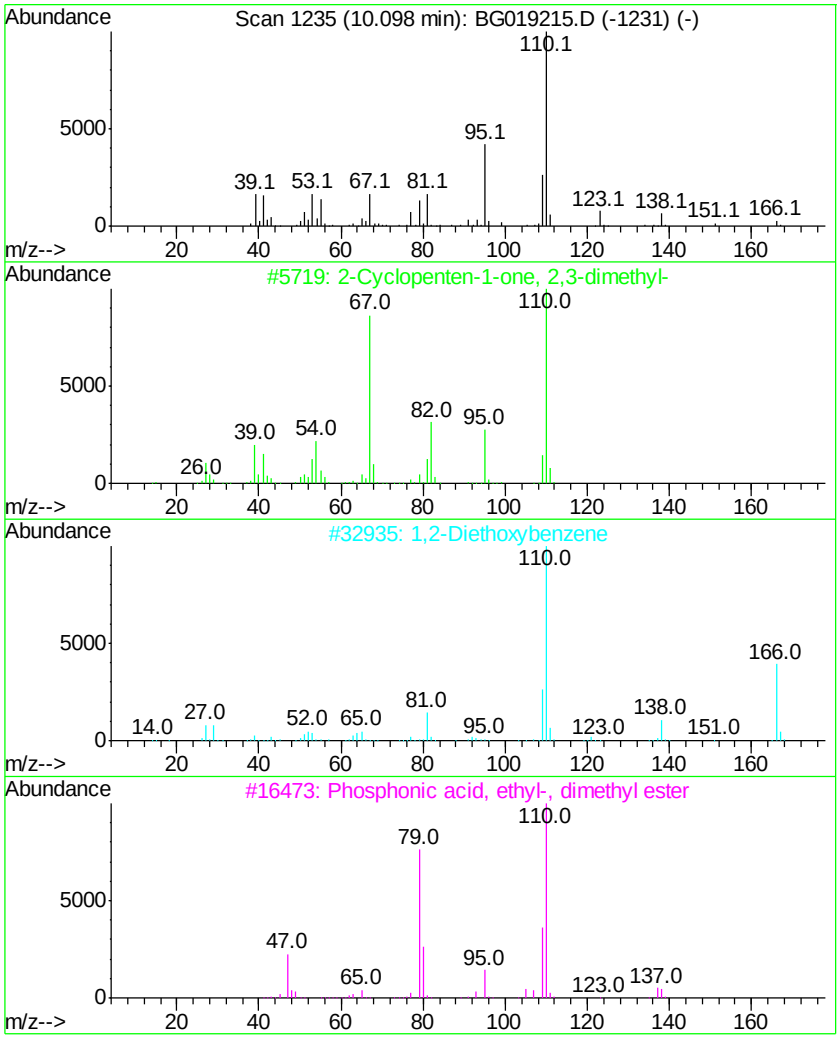
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

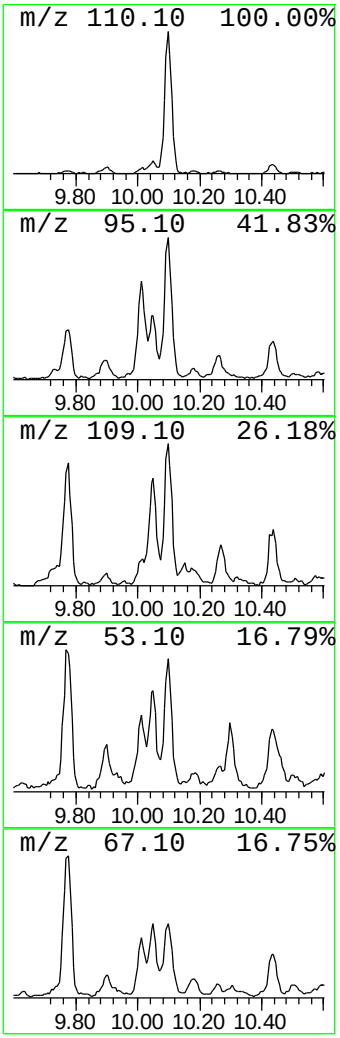
**********

Peak Number 33 unknown-02 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.10 | 50.50 ng/ul | 348243 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclopenten-1-one, 2,3-dimethyl- | 110 | C7H10O | 001121-05-7 | 53 |
| 2 | 1,2-Diethoxybenzene | 166 | C10H14O2 | 002050-46-6 | 47 |
| 3 | Phosphonic acid, ethyl-, dimethy... | 138 | C4H11O3P | 006163-75-3 | 47 |
| 4 | 1,2-Diethoxybenzene | 166 | C10H14O2 | 002050-46-6 | 47 |
| 5 | 1H-Pyrazole, 1,3,5-trimethyl- | 110 | C6H10N2 | 001072-91-9 | 45 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

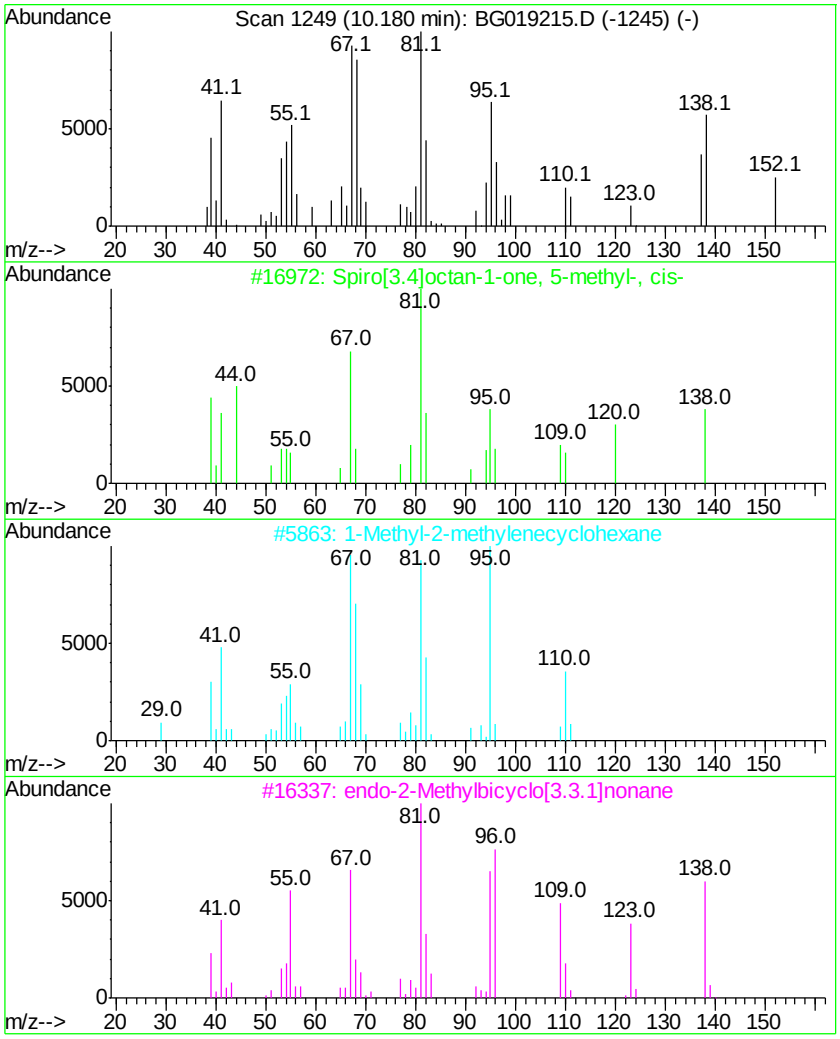
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

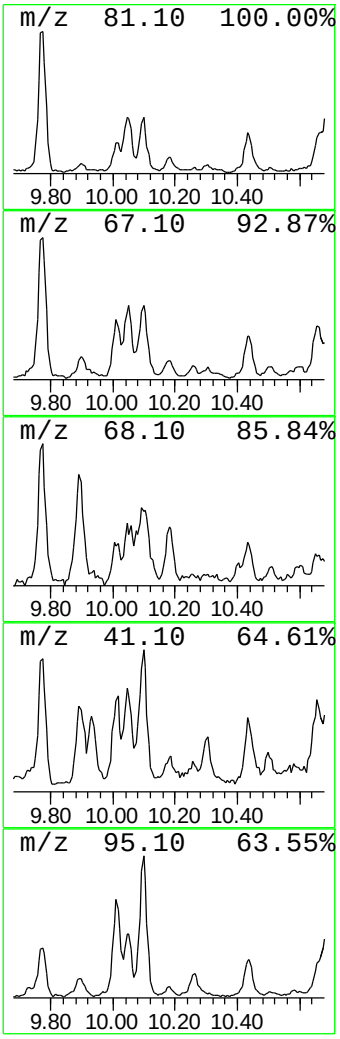
**********

Peak Number 34 Spiro[3.4]octan-1-one, 5-me... Concentration Rank 66

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.18 | 5.37 ng/ul | 37047 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Spiro[3.4]octan-1-one, 5-methyl-... | 138 | C9H14O | 065147-55-9 | 64 |
| 2 | 1-Methyl-2-methylenecyclohexane | 110 | C8H14 | 002808-75-5 | 62 |
| 3 | endo-2-Methylbicyclo[3.3.1]nonane | 138 | C10H18 | 042558-37-2 | 58 |
| 4 | Cyclodecene | 138 | C10H18 | 003618-12-0 | 58 |
| 5 | Norbornane | 96 | C7H12 | 000279-23-2 | 53 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

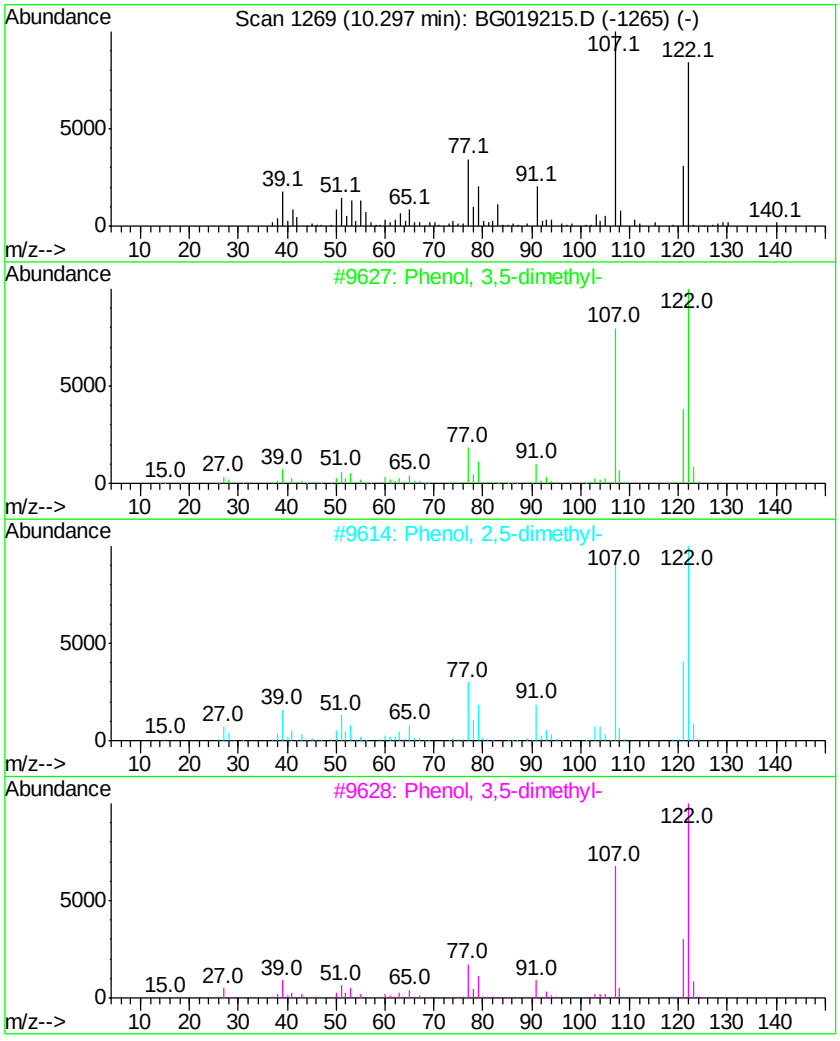
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

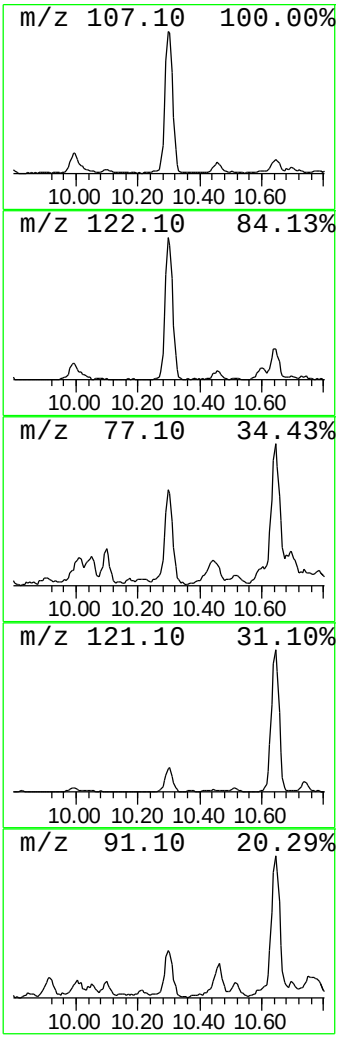
**********

Peak Number 35 Phenol, 3,5-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.30 | 45.58 ng/ul | 314331 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 94 |
| 2 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 94 |
| 3 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 94 |
| 4 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 93 |
| 5 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 93 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

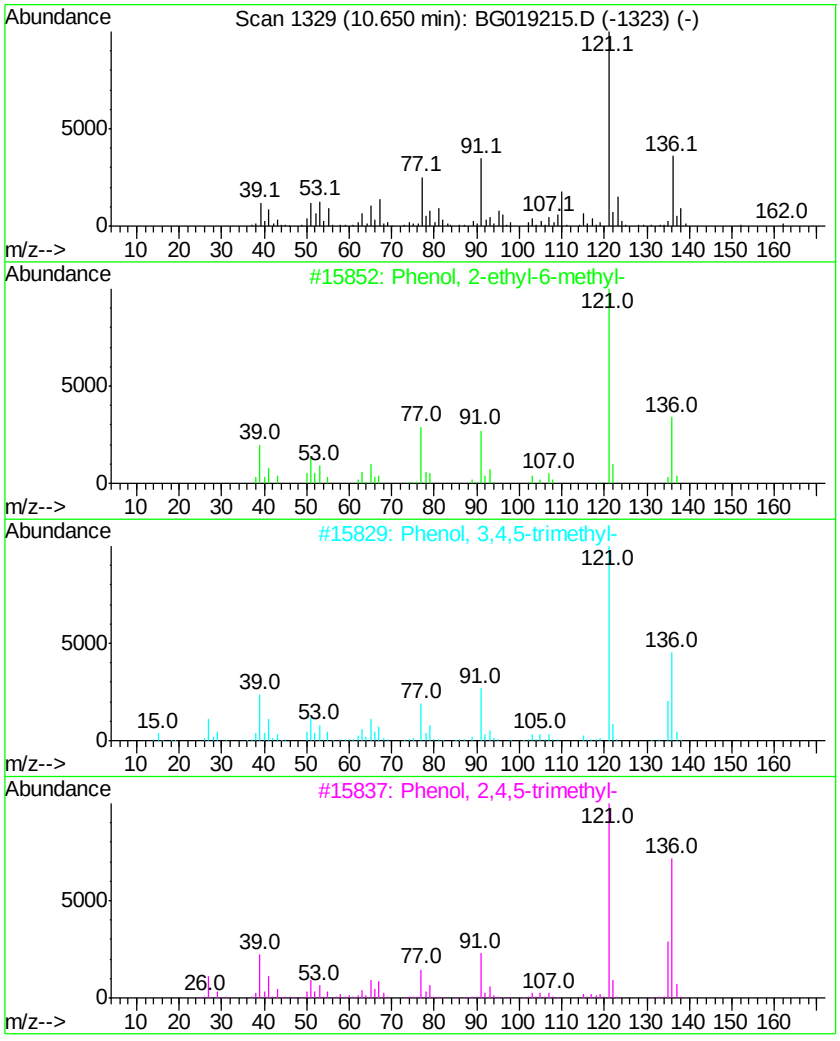
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

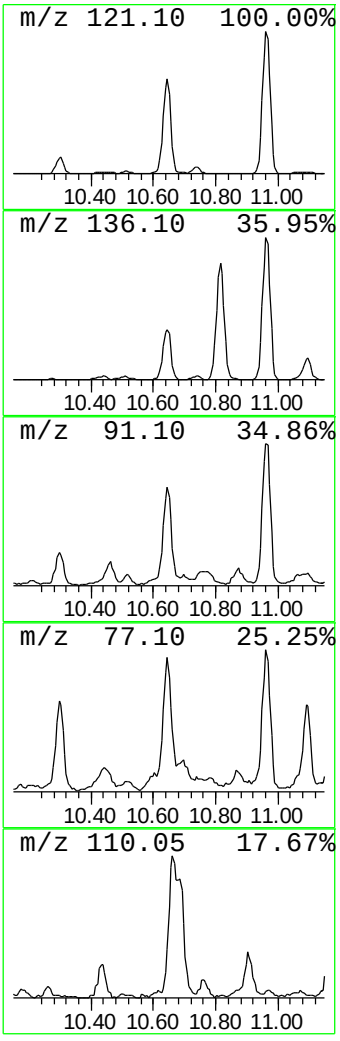
**********

Peak Number 36 Phenol, 2-ethyl-6-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 67.48 ng/ul | 465277 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-ethyl-6-methyl- | 136 | C9H12O | 001687-64-5 | 86 |
| 2 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 70 |
| 3 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 68 |
| 4 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 68 |
| 5 | Phenol, 3-(1-methylethyl)- | 136 | C9H12O | 000618-45-1 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

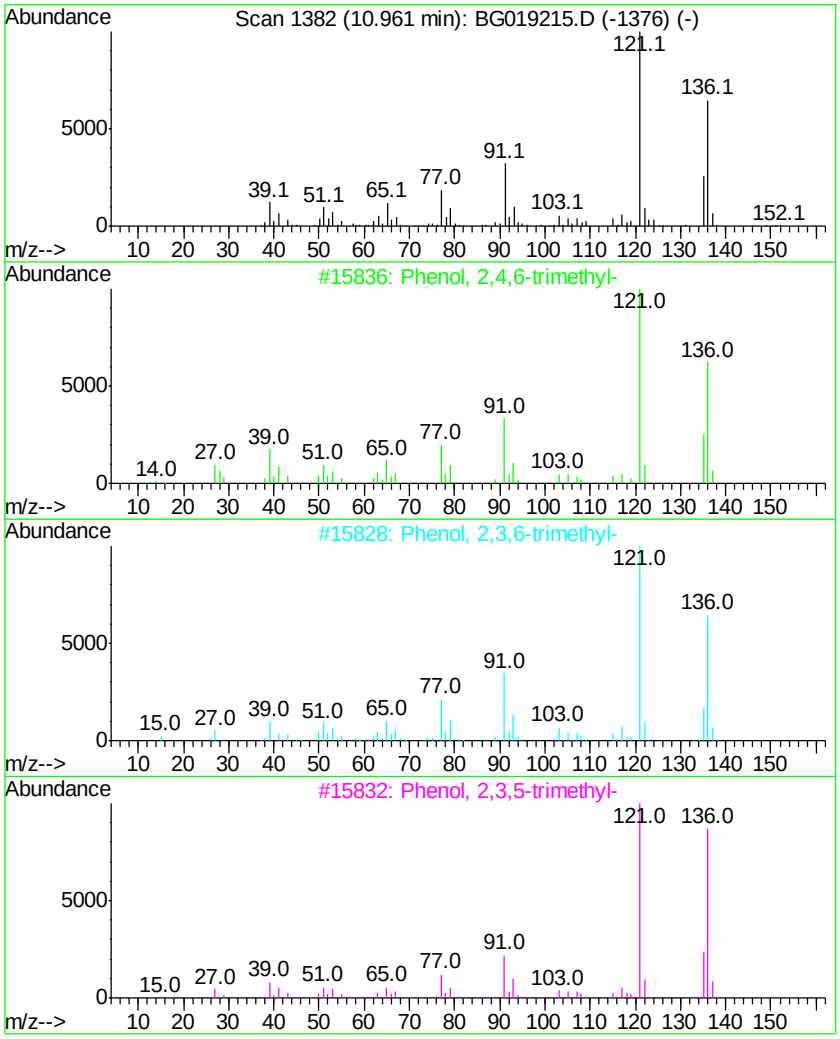
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

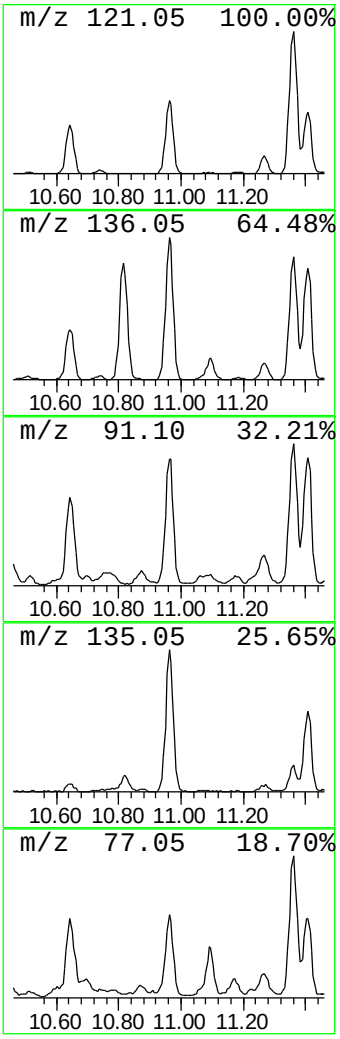
**********

Peak Number 37 Phenol, 2,4,6-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.96 | 102.82 ng/ul | 709012 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 97 |
| 2 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 97 |
| 3 | Phenol, 2,3,5-trimethyl- | 136 | C9H12O | 000697-82-5 | 96 |
| 4 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 95 |
| 5 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 94 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

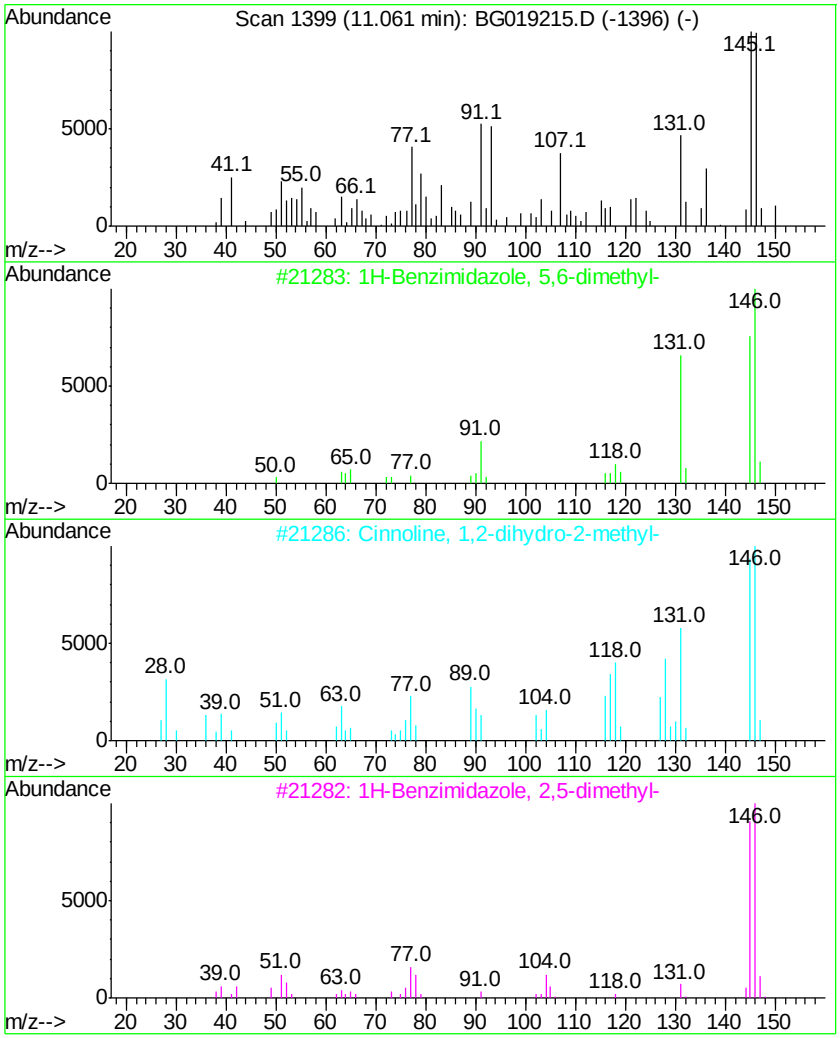
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

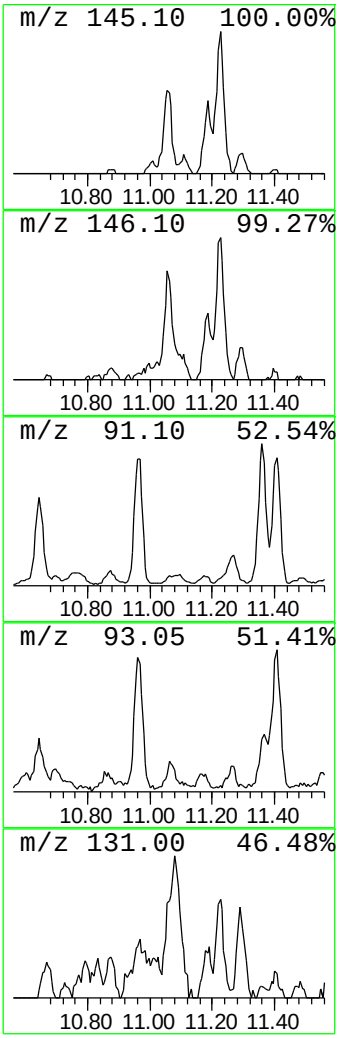
**********

Peak Number 38 unknown-03 Concentration Rank 72

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.06 | 4.40 ng/ul | 30312 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 47 |
| 2 | Cinnoline, 1,2-dihydro-2-methyl- | 146 | C9H10N2 | 054063-10-4 | 47 |
| 3 | 1H-Benzimidazole, 2,5-dimethyl- | 146 | C9H10N2 | 001792-41-2 | 45 |
| 4 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 38 |
| 5 | 1H-Indazole, 3,6-dimethyl- | 146 | C9H10N2 | 007746-28-3 | 38 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

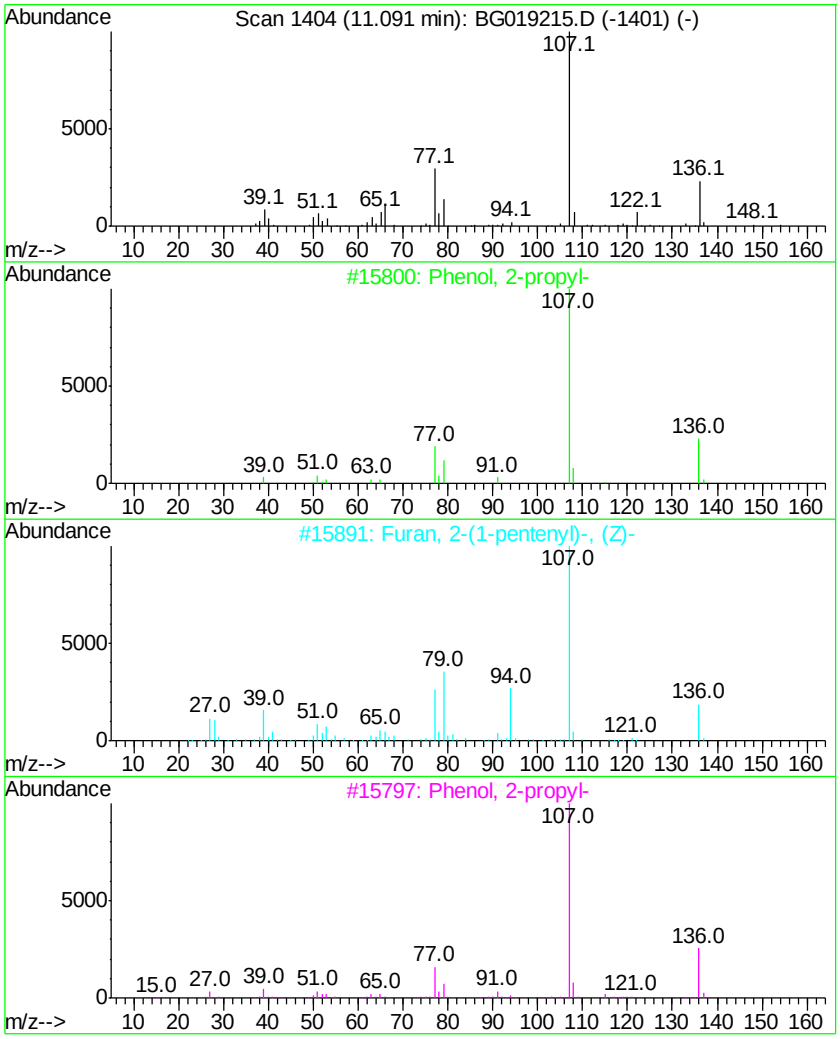
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

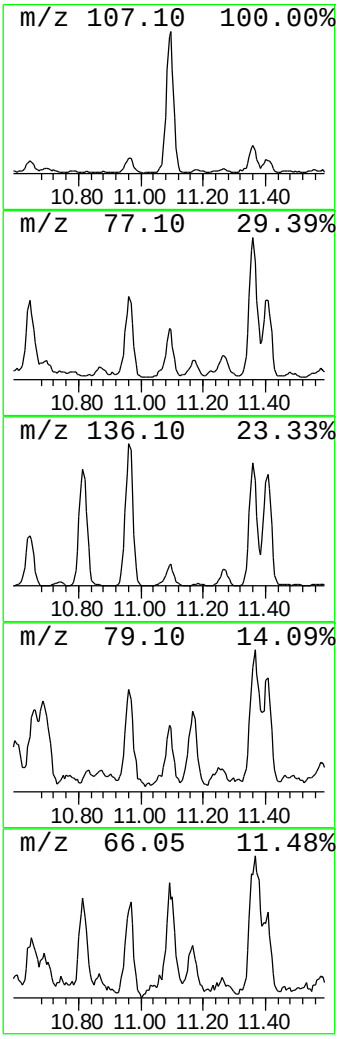
**********

Peak Number 39 Phenol, 2-propyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.09 | 21.86 ng/ul | 150760 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 80 |
| 2 | Furan, 2-(1-pentenyl)-, (Z)- | 136 | C9H12O | 020992-60-3 | 72 |
| 3 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 72 |
| 4 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 64 |
| 5 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

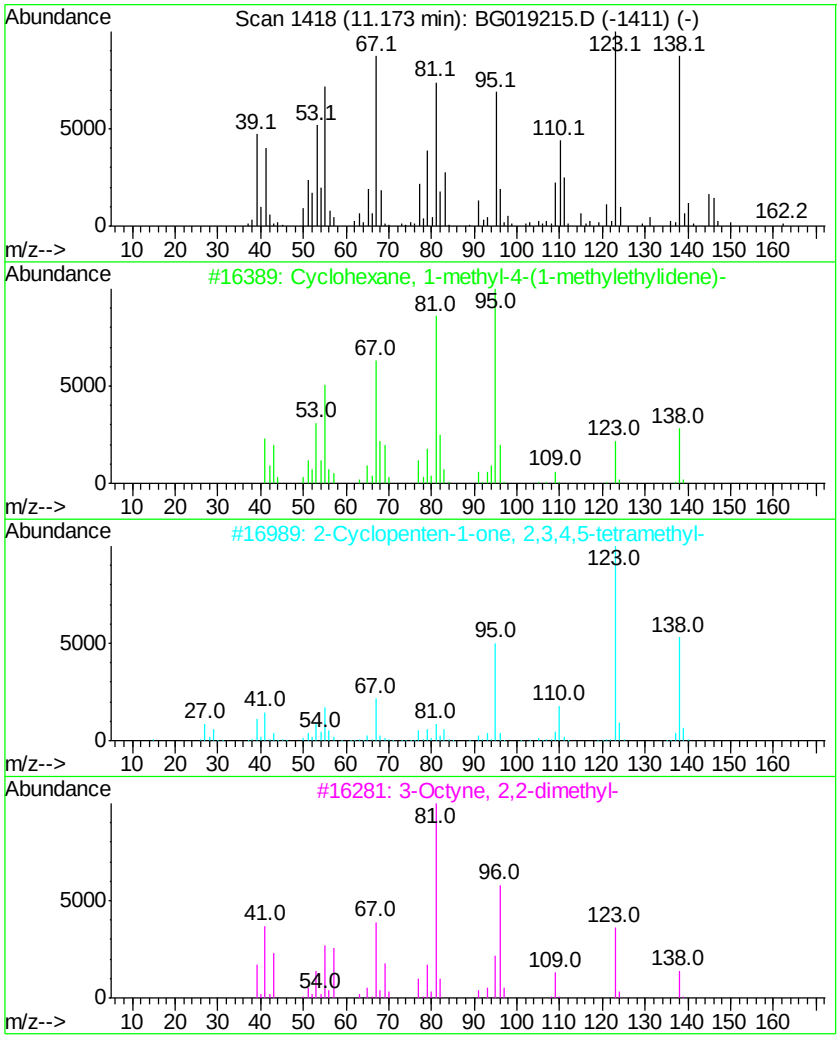
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

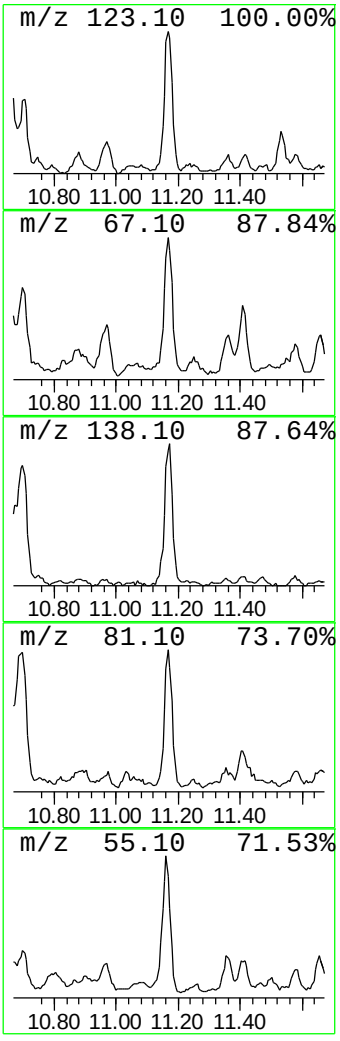
**********

Peak Number 40 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.17 | 50.57 ng/ul | 348685 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18 | 001124-27-2 | 83 |
| 2 | 2-Cyclopenten-1-one, 2,3,4,5-tet... | 138 | C9H14O | 054458-61-6 | 64 |
| 3 | 3-Octyne, 2,2-dimethyl- | 138 | C10H18 | 019482-57-6 | 58 |
| 4 | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18 | 018968-23-5 | 46 |
| 5 | Cyclodecene | 138 | C10H18 | 003618-12-0 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

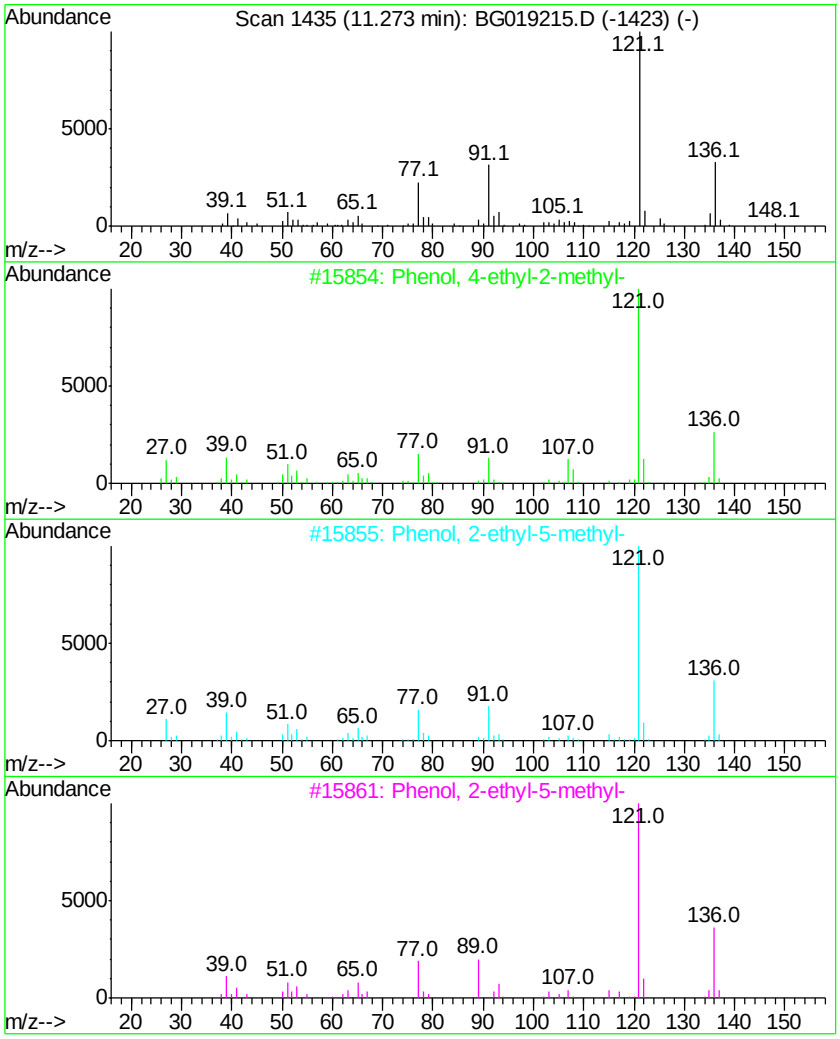
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

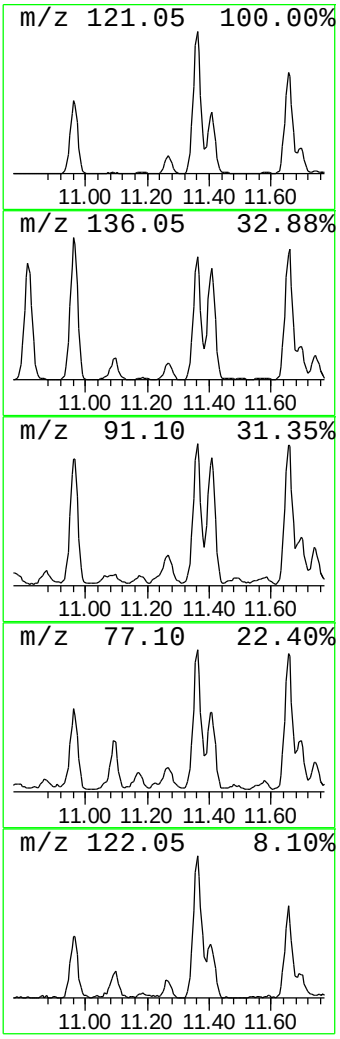
**********

Peak Number 41 Phenol, 4-ethyl-2-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.27 | 33.05 ng/ul | 227893 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl-2-methyl- | 136 | C9H12O | 002219-73-0 | 86 |
| 2 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 83 |
| 3 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 83 |
| 4 | Phenol, 4-ethyl-3-methyl- | 136 | C9H12O | 001123-94-0 | 83 |
| 5 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

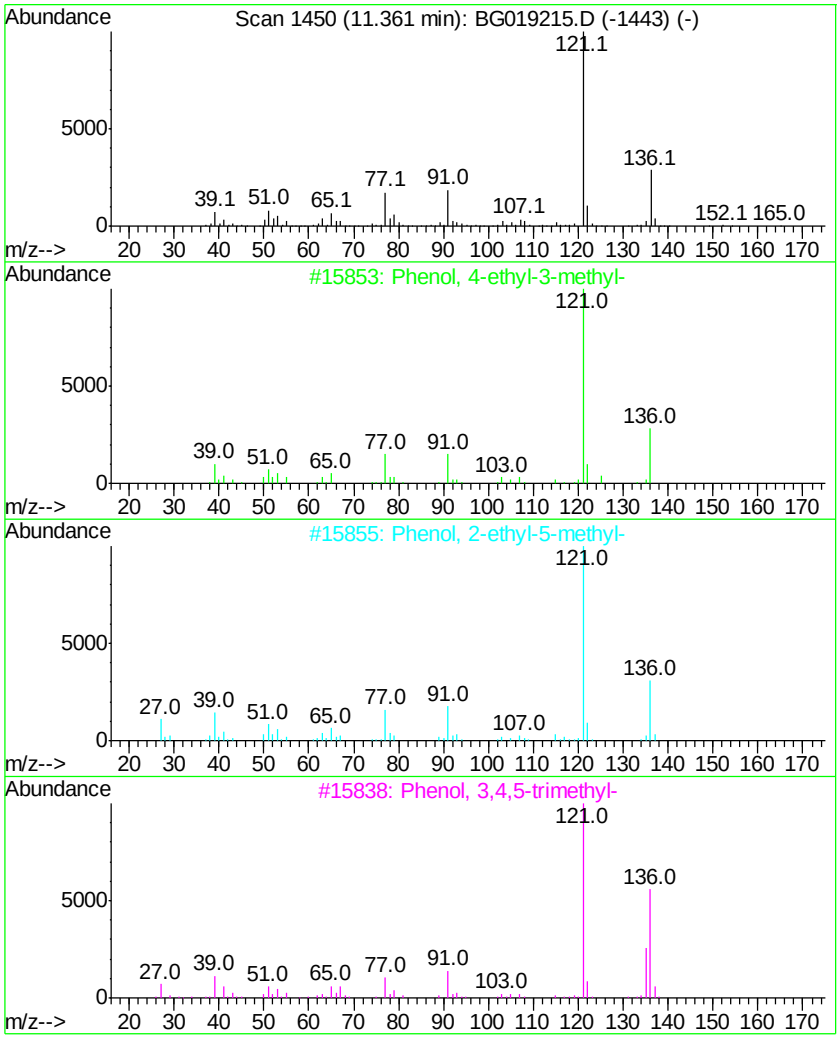
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

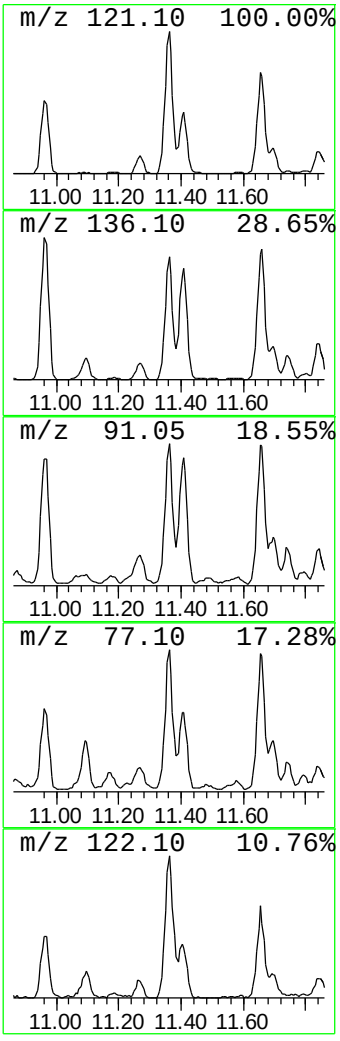
**********

Peak Number 42 Phenol, 4-ethyl-3-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.36 | 126.68 ng/ul | 873524 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl-3-methyl- | 136 | C9H12O | 001123-94-0 | 93 |
| 2 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 91 |
| 3 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 91 |
| 4 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 90 |
| 5 | Phenol, 4-(1-methylethyl)- | 136 | C9H12O | 000099-89-8 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

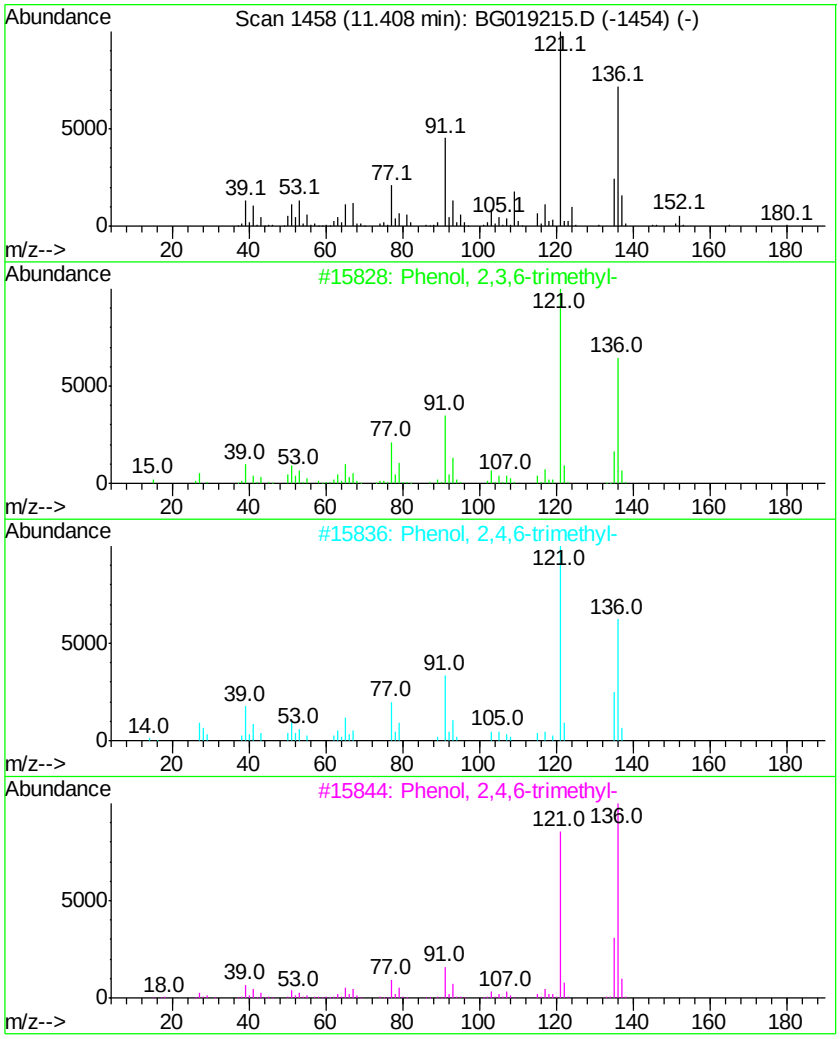
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

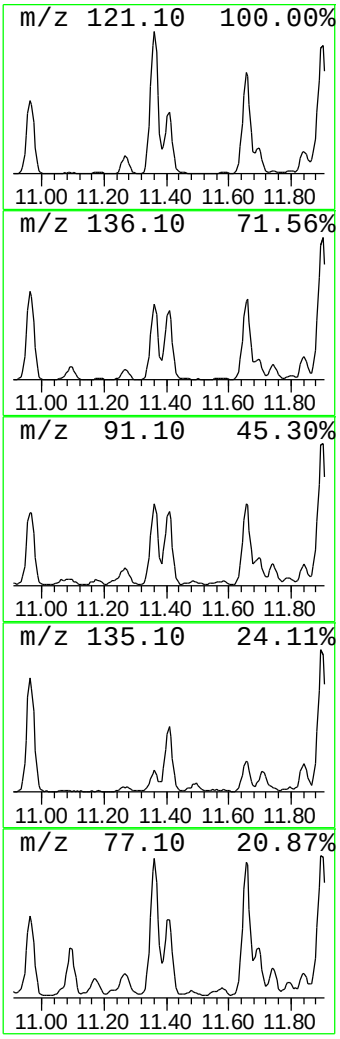
**********

Peak Number 43 Phenol, 2,3,6-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.41 | 90.30 ng/ul | 622664 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 91 |
| 2 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 81 |
| 3 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 81 |
| 4 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 81 |
| 5 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 81 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

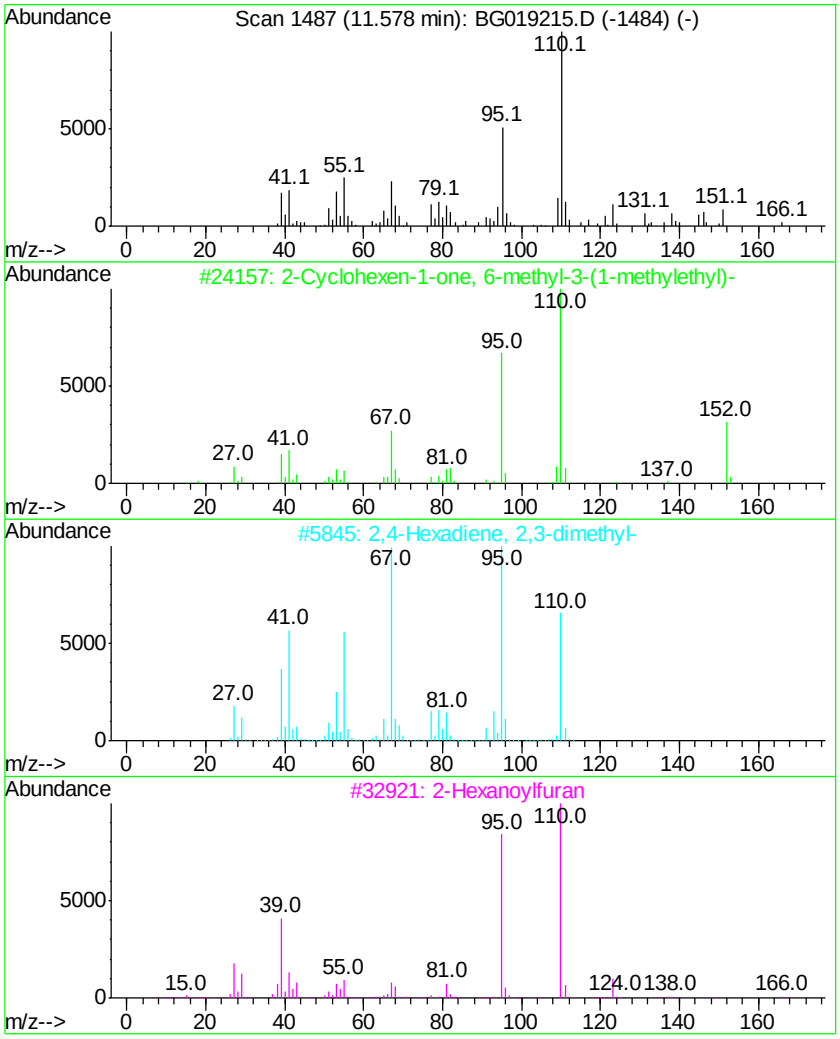
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

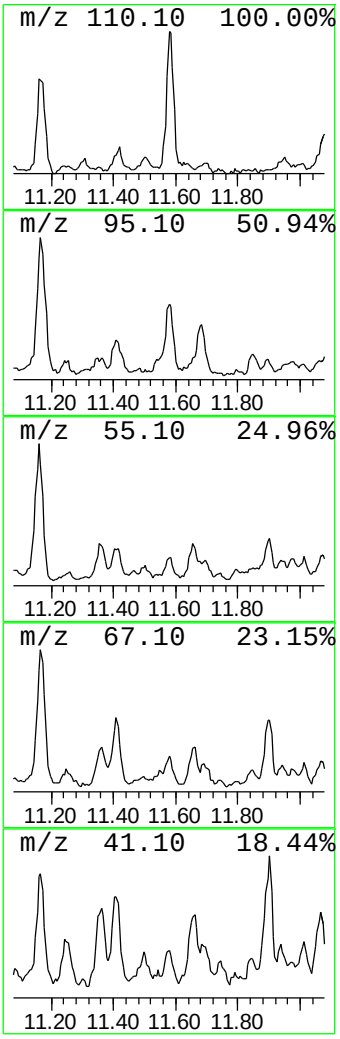
**********

Peak Number 44 2-Cyclohexen-1-one, 6-methy... Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.58 | 14.90 ng/ul | 102732 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclohexen-1-one, 6-methyl-3-(... | 152 | C10H16O | 000499-74-1 | 64 |
| 2 | 2,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 005678-98-8 | 59 |
| 3 | 2-Hexanoylfuran | 166 | C10H14O2 | 014360-50-0 | 53 |
| 4 | Furan, 2-ethyl-5-methyl- | 110 | C7H10O | 001703-52-2 | 53 |
| 5 | 1,4-Ethanonaphthalene-5,8-dione,... | 218 | C13H14O3 | 091910-07-5 | 47 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

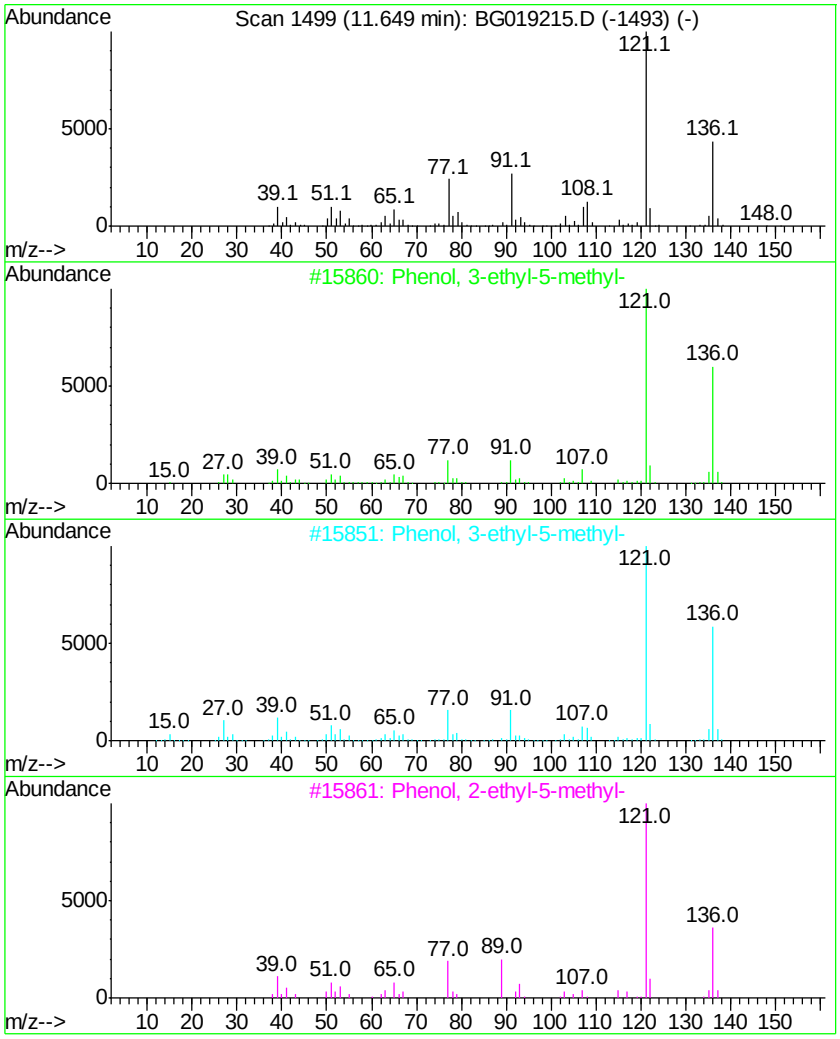
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

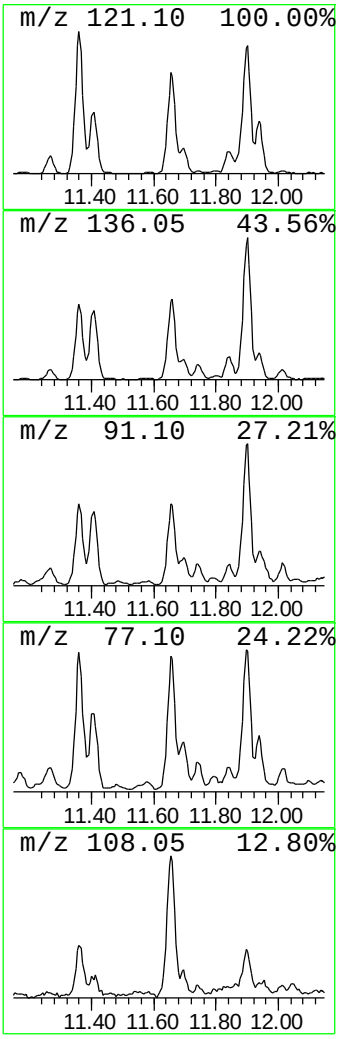
**********

Peak Number 45 Phenol, 3-ethyl-5-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 113.73 ng/ul | 784200 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 91 |
| 2 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 91 |
| 3 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 90 |
| 4 | Phenol, 2-ethyl-6-methyl- | 136 | C9H12O | 001687-64-5 | 90 |
| 5 | Phenol, 2-ethyl-4-methyl- | 136 | C9H12O | 003855-26-3 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

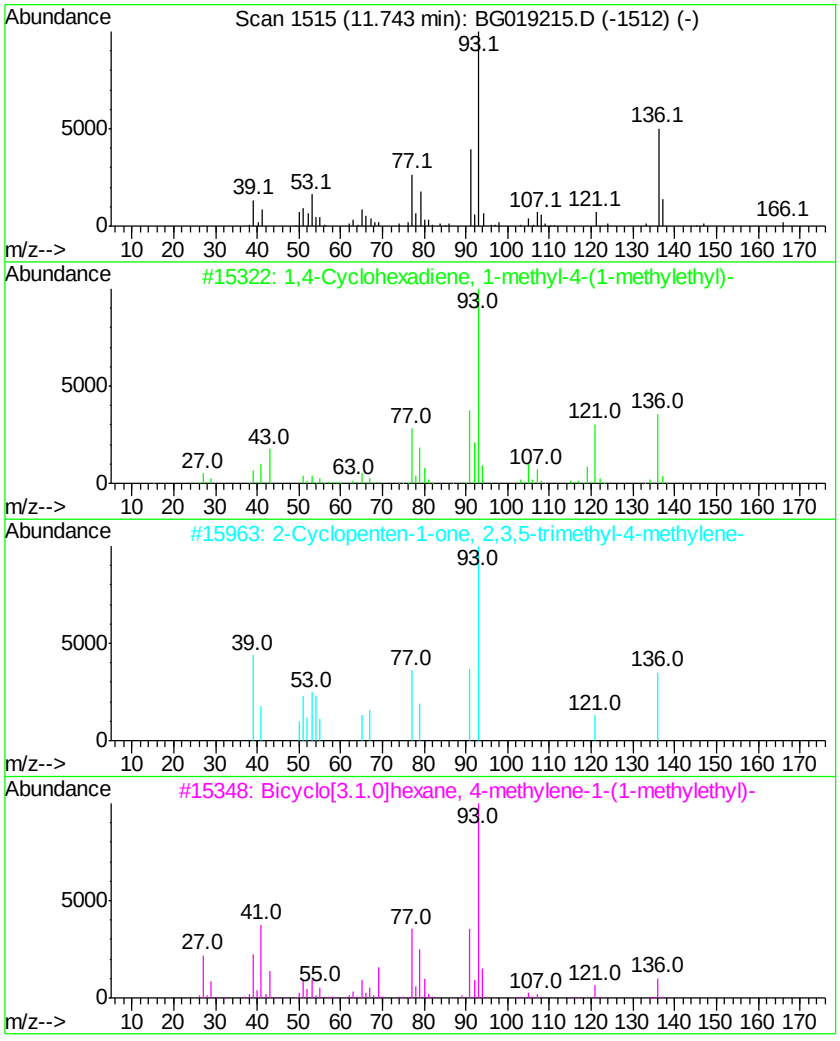
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

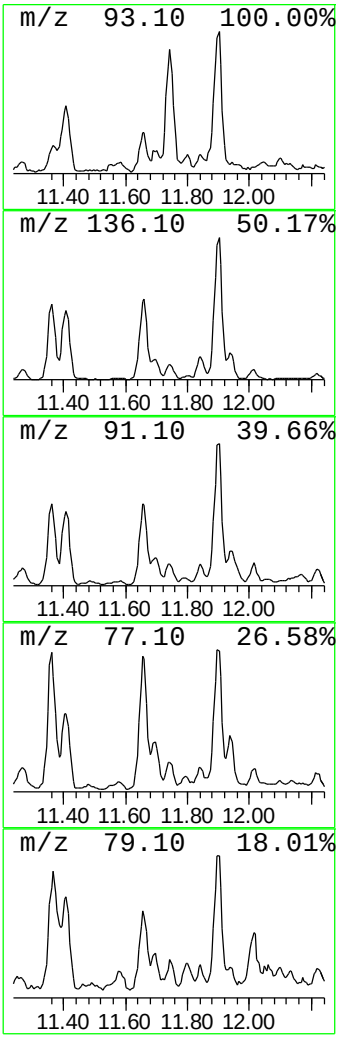
**********

Peak Number 46 1,4-Cyclohexadiene, 1-methy... Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.74 | 13.13 ng/ul | 90518 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Cyclohexadiene, 1-methyl-4-(... | 136 | C10H16 | 000099-85-4 | 64 |
| 2 | 2-Cyclopenten-1-one, 2,3,5-trime... | 136 | C9H12O | 029765-85-3 | 64 |
| 3 | Bicyclo[3.1.0]hexane, 4-methylen... | 136 | C10H16 | 003387-41-5 | 59 |
| 4 | Cyclopentene, 3-ethylidene-1-met... | 108 | C8H12 | 062338-00-5 | 58 |
| 5 | .beta.-Phellandrene | 136 | C10H16 | 000555-10-2 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101515\
Data File : BG019215.D
Acq On : 15 Oct 2015 21:07
Operator : UM/NP
Sample : G3966-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LH2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.18 | 21.6 | ng/ul | 155483 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 6.64 | 9.6 | ng/ul | 69014 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 6.73 | 4.4 | ng/ul | 31751 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.02 | 6.6 | ng/ul | 47616 | 1 | 8.01 | 144067 | 20.0 |
| Ethanone, 1-(2-me... | 7.25 | 4.6 | ng/ul | 32862 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.41 | 11.7 | ng/ul | 84301 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.49 | 15.1 | ng/ul | 108778 | 1 | 8.01 | 144067 | 20.0 |
| Benzene, 1-ethyl-... | 7.65 | 8.3 | ng/ul | 59632 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.74 | 9.8 | ng/ul | 70452 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.78 | 3.8 | ng/ul | 27562 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 7.83 | 22.9 | ng/ul | 164686 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 8.07 | 4.7 | ng/ul | 33697 | 1 | 8.01 | 144067 | 20.0 |
| Cyclopentanone, 2... | 8.18 | 4.2 | ng/ul | 30533 | 1 | 8.01 | 144067 | 20.0 |
| 2-Cyclopenten-1-o... | 8.28 | 15.2 | ng/ul | 109205 | 1 | 8.01 | 144067 | 20.0 |
| Cyclopentanone, 2... | 8.31 | 20.2 | ng/ul | 145643 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 8.40 | 15.7 | ng/ul | 112985 | 1 | 8.01 | 144067 | 20.0 |
| 3,3,5,5-Tetrameth... | 8.48 | 5.0 | ng/ul | 36297 | 1 | 8.01 | 144067 | 20.0 |
| Benzene, 1-propynyl- | 8.55 | 8.7 | ng/ul | 62721 | 1 | 8.01 | 144067 | 20.0 |
| Cyclopent-2-ene-1... | 8.65 | 101.5 | ng/ul | 731090 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 8.98 | 16.4 | ng/ul | 118172 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 9.03 | 7.2 | ng/ul | 52135 | 1 | 8.01 | 144067 | 20.0 |
| Ethanone, 1-(1-cy... | 9.12 | 77.0 | ng/ul | 554300 | 1 | 8.01 | 144067 | 20.0 |
| Cyclohexane, (1-m... | 9.29 | 71.2 | ng/ul | 512655 | 1 | 8.01 | 144067 | 20.0 |
| (DEL) Alkane: Cyc... | 9.33 | 8.8 | ng/ul | 63163 | 1 | 8.01 | 144067 | 20.0 |
| 2-Cyclopenten-1-o... | 9.37 | 30.9 | ng/ul | 222457 | 1 | 8.01 | 144067 | 20.0 |
| Phenol, 2,6-dimet... | 9.44 | 54.2 | ng/ul | 373507 | 2 | 10.81 | 137910 | 20.0 |
| Benzofuran, 2-met... | 9.56 | 60.4 | ng/ul | 416325 | 2 | 10.81 | 137910 | 20.0 |
| Cyclohexanone, 3-... | 9.77 | 50.8 | ng/ul | 350301 | 2 | 10.81 | 137910 | 20.0 |
| unknown-01 | 10.05 | 35.9 | ng/ul | 247371 | 2 | 10.81 | 137910 | 20.0 |
| unknown-02 | 10.10 | 50.5 | ng/ul | 348243 | 2 | 10.81 | 137910 | 20.0 |
| Spiro[3.4]octan-1... | 10.18 | 5.4 | ng/ul | 37047 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 3,5-dimet... | 10.30 | 45.6 | ng/ul | 314331 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 2-ethyl-6... | 10.65 | 67.5 | ng/ul | 465277 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 2,4,6-tri... | 10.96 | 102.8 | ng/ul | 709012 | 2 | 10.81 | 137910 | 20.0 |
| unknown-03 | 11.06 | 4.4 | ng/ul | 30312 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 2-propyl- | 11.09 | 21.9 | ng/ul | 150760 | 2 | 10.81 | 137910 | 20.0 |
| Cyclohexane, 1-me... | 11.17 | 50.6 | ng/ul | 348685 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 4-ethyl-2... | 11.27 | 33.0 | ng/ul | 227893 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 4-ethyl-3... | 11.36 | 126.7 | ng/ul | 873524 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 2,3,6-tri... | 11.41 | 90.3 | ng/ul | 622664 | 2 | 10.81 | 137910 | 20.0 |
| 2-Cyclohexen-1-on... | 11.58 | 14.9 | ng/ul | 102732 | 2 | 10.81 | 137910 | 20.0 |
| Phenol, 3-ethyl-5... | 11.65 | 113.7 | ng/ul | 784200 | 2 | 10.81 | 137910 | 20.0 |
| 1,4-Cyclohexadien... | 11.74 | 13.1 | ng/ul | 90518 | 2 | 10.81 | 137910 | 20.0 |