LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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 | 3.114 | 42 | 47 | 54 | rBV2 | 19136 | 31931 | 5.17% | 0.587% |
| 2 | 3.185 | 55 | 59 | 69 | rVB | 35943 | 47562 | 7.70% | 0.875% |
| 3 | 4.195 | 225 | 231 | 240 | rVB | 16357 | 24681 | 4.00% | 0.454% |
| 4 | 5.024 | 368 | 372 | 379 | rVB2 | 2570 | 4093 | 0.66% | 0.075% |
| 5 | 7.168 | 731 | 737 | 748 | rBV | 50360 | 89281 | 14.46% | 1.642% |
| 6 | 7.333 | 759 | 765 | 771 | rVB | 30219 | 48288 | 7.82% | 0.888% |
| 7 | 7.538 | 794 | 800 | 809 | rBV | 43160 | 71548 | 11.58% | 1.316% |
| 8 | 8.008 | 874 | 880 | 886 | rBV | 31163 | 49844 | 8.07% | 0.917% |
| 9 | 8.449 | 950 | 955 | 960 | rVB2 | 7682 | 11966 | 1.94% | 0.220% |
| 10 | 8.590 | 972 | 979 | 985 | rBV2 | 18558 | 38951 | 6.31% | 0.716% |
| 11 | 8.655 | 985 | 990 | 994 | rVV3 | 6123 | 11548 | 1.87% | 0.212% |
| 12 | 8.713 | 994 | 1000 | 1006 | rVV | 64615 | 106746 | 17.28% | 1.963% |
| 13 | 8.778 | 1006 | 1011 | 1016 | rVV2 | 13825 | 24036 | 3.89% | 0.442% |
| 14 | 8.831 | 1016 | 1020 | 1024 | rVB4 | 3290 | 4894 | 0.79% | 0.090% |
| 15 | 9.101 | 1057 | 1066 | 1071 | rBV | 19373 | 32962 | 5.34% | 0.606% |
| 16 | 9.166 | 1071 | 1077 | 1084 | rVB | 46446 | 80369 | 13.01% | 1.478% |
| 17 | 9.430 | 1118 | 1122 | 1126 | rBV2 | 4196 | 5330 | 0.86% | 0.098% |
| 18 | 9.548 | 1136 | 1142 | 1148 | rVB5 | 3871 | 7076 | 1.15% | 0.130% |
| 19 | 9.777 | 1177 | 1181 | 1188 | rVB | 3294 | 3842 | 0.62% | 0.071% |
| 20 | 9.888 | 1194 | 1200 | 1212 | rVB2 | 43269 | 76489 | 12.38% | 1.407% |
| 21 | 9.988 | 1212 | 1217 | 1219 | rBV4 | 6188 | 11334 | 1.84% | 0.208% |
| 22 | 10.012 | 1219 | 1221 | 1226 | rVB4 | 6593 | 8687 | 1.41% | 0.160% |
| 23 | 10.247 | 1255 | 1261 | 1265 | rBV3 | 5945 | 12042 | 1.95% | 0.221% |
| 24 | 10.282 | 1265 | 1267 | 1273 | rVB3 | 5728 | 8262 | 1.34% | 0.152% |
| 25 | 10.429 | 1286 | 1292 | 1301 | rVB | 69040 | 116379 | 18.84% | 2.140% |
| 26 | 10.523 | 1301 | 1308 | 1314 | rVB3 | 4815 | 9556 | 1.55% | 0.176% |
| 27 | 10.646 | 1323 | 1329 | 1331 | rBV4 | 5150 | 7723 | 1.25% | 0.142% |
| 28 | 10.717 | 1336 | 1341 | 1348 | rVV2 | 16875 | 28442 | 4.60% | 0.523% |
| 29 | 10.811 | 1348 | 1357 | 1363 | rVV | 50377 | 86016 | 13.93% | 1.582% |
| 30 | 10.858 | 1363 | 1365 | 1372 | rVB | 4659 | 6728 | 1.09% | 0.124% |
| 31 | 11.175 | 1414 | 1419 | 1423 | rBV4 | 2528 | 3768 | 0.61% | 0.069% |
| 32 | 11.334 | 1442 | 1446 | 1453 | rVV5 | 5349 | 10733 | 1.74% | 0.197% |
| 33 | 11.633 | 1491 | 1497 | 1504 | rBV | 17220 | 28737 | 4.65% | 0.528% |
| 34 | 11.833 | 1528 | 1531 | 1535 | rBV4 | 3896 | 5925 | 0.96% | 0.109% |

LSC Area Percent Report

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Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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 | 11.880 | 1535 | 1539 | 1544 | rVV3 | 4826 | 6322 | 1.02% | 0.116% |
| 36 | 11.974 | 1550 | 1555 | 1563 | rVV2 | 25309 | 40939 | 6.63% | 0.753% |
| 37 | 12.468 | 1634 | 1639 | 1643 | rBV | 3461 | 5892 | 0.95% | 0.108% |
| 38 | 12.685 | 1672 | 1676 | 1683 | rVB3 | 3510 | 5110 | 0.83% | 0.094% |
| 39 | 12.832 | 1696 | 1701 | 1706 | rVB5 | 3938 | 6821 | 1.10% | 0.125% |
| 40 | 12.897 | 1706 | 1712 | 1718 | rBV2 | 20257 | 31326 | 5.07% | 0.576% |
| 41 | 12.991 | 1721 | 1728 | 1733 | rBV4 | 4919 | 8366 | 1.35% | 0.154% |
| 42 | 13.055 | 1733 | 1739 | 1743 | rBV5 | 3017 | 4642 | 0.75% | 0.085% |
| 43 | 13.126 | 1748 | 1751 | 1757 | rVB2 | 9255 | 11797 | 1.91% | 0.217% |
| 44 | 13.267 | 1773 | 1775 | 1780 | rVB2 | 3426 | 4424 | 0.72% | 0.081% |
| 45 | 13.443 | 1801 | 1805 | 1806 | rVV3 | 2959 | 4262 | 0.69% | 0.078% |
| 46 | 13.461 | 1806 | 1808 | 1814 | rVB3 | 4630 | 5849 | 0.95% | 0.108% |
| 47 | 13.801 | 1863 | 1866 | 1873 | rVB4 | 2743 | 4421 | 0.72% | 0.081% |
| 48 | 13.989 | 1893 | 1898 | 1901 | rVV3 | 9053 | 14616 | 2.37% | 0.269% |
| 49 | 14.042 | 1901 | 1907 | 1911 | rVV | 135476 | 197470 | 31.97% | 3.631% |
| 50 | 14.084 | 1911 | 1914 | 1919 | rVB | 60956 | 81266 | 13.16% | 1.494% |
| 51 | 14.330 | 1950 | 1956 | 1963 | rVB | 136595 | 212056 | 34.33% | 3.899% |
| 52 | 14.483 | 1980 | 1982 | 1986 | rVV3 | 2561 | 3912 | 0.63% | 0.072% |
| 53 | 14.530 | 1986 | 1990 | 1997 | rVB2 | 6308 | 8904 | 1.44% | 0.164% |
| 54 | 14.636 | 2002 | 2008 | 2016 | rBV3 | 90470 | 145878 | 23.62% | 2.683% |
| 55 | 14.789 | 2030 | 2034 | 2037 | rBV | 13120 | 18838 | 3.05% | 0.346% |
| 56 | 14.836 | 2037 | 2042 | 2050 | rVB | 68550 | 106100 | 17.18% | 1.951% |
| 57 | 15.035 | 2072 | 2076 | 2078 | rBV4 | 3964 | 5141 | 0.83% | 0.095% |
| 58 | 15.112 | 2085 | 2089 | 2094 | rVB7 | 4451 | 6105 | 0.99% | 0.112% |
| 59 | 15.194 | 2097 | 2103 | 2111 | rVB5 | 7193 | 14509 | 2.35% | 0.267% |
| 60 | 15.476 | 2148 | 2151 | 2155 | rVB2 | 7483 | 9670 | 1.57% | 0.178% |
| 61 | 15.576 | 2162 | 2168 | 2171 | rBV | 8988 | 14783 | 2.39% | 0.272% |
| 62 | 15.629 | 2171 | 2177 | 2183 | rVV | 187746 | 286486 | 46.38% | 5.268% |
| 63 | 15.688 | 2183 | 2187 | 2191 | rVB3 | 22587 | 31376 | 5.08% | 0.577% |
| 64 | 15.740 | 2191 | 2196 | 2206 | rVB | 79453 | 114416 | 18.52% | 2.104% |
| 65 | 15.870 | 2210 | 2218 | 2219 | rBV4 | 3410 | 6540 | 1.06% | 0.120% |
| 66 | 16.064 | 2243 | 2251 | 2255 | rBV6 | 11508 | 19993 | 3.24% | 0.368% |
| 67 | 16.234 | 2275 | 2280 | 2285 | rBV5 | 6651 | 12869 | 2.08% | 0.237% |
| 68 | 16.340 | 2294 | 2298 | 2301 | rBV | 12739 | 18102 | 2.93% | 0.333% |
| 69 | 16.416 | 2307 | 2311 | 2313 | rVB2 | 4464 | 5397 | 0.87% | 0.099% |
| 70 | 16.463 | 2314 | 2319 | 2321 | rVV4 | 6025 | 9204 | 1.49% | 0.169% |
| 71 | 16.504 | 2322 | 2326 | 2332 | rVB6 | 14438 | 24527 | 3.97% | 0.451% |

LSC Area Percent Report

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Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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 | 16.563 | 2332 | 2336 | 2339 | rBV5 | 3637 | 5997 | 0.97% | 0.110% |
| 73 | 16.669 | 2349 | 2354 | 2359 | rVV2 | 17746 | 29099 | 4.71% | 0.535% |
| 74 | 16.951 | 2399 | 2402 | 2408 | rVB8 | 3610 | 5549 | 0.90% | 0.102% |
| 75 | 17.098 | 2423 | 2427 | 2428 | rBV4 | 3592 | 5120 | 0.83% | 0.094% |
| 76 | 17.133 | 2430 | 2433 | 2439 | rVB5 | 12615 | 18427 | 2.98% | 0.339% |
| 77 | 17.239 | 2446 | 2451 | 2452 | rBV3 | 2762 | 4351 | 0.70% | 0.080% |
| 78 | 17.380 | 2469 | 2475 | 2481 | rBV | 139400 | 209278 | 33.88% | 3.848% |
| 79 | 17.480 | 2486 | 2492 | 2498 | rVV | 215052 | 327926 | 53.09% | 6.030% |
| 80 | 17.574 | 2502 | 2508 | 2514 | rVB8 | 6423 | 12820 | 2.08% | 0.236% |
| 81 | 17.756 | 2537 | 2539 | 2542 | rVB5 | 5580 | 5175 | 0.84% | 0.095% |
| 82 | 17.873 | 2555 | 2559 | 2567 | rVV2 | 14794 | 20011 | 3.24% | 0.368% |
| 83 | 18.049 | 2586 | 2589 | 2592 | rVB5 | 5290 | 5273 | 0.85% | 0.097% |
| 84 | 18.273 | 2623 | 2627 | 2632 | rBV4 | 13048 | 18900 | 3.06% | 0.348% |
| 85 | 18.566 | 2674 | 2677 | 2680 | rVB | 11076 | 10518 | 1.70% | 0.193% |
| 86 | 18.696 | 2696 | 2699 | 2701 | rBV3 | 6510 | 6481 | 1.05% | 0.119% |
| 87 | 18.755 | 2704 | 2709 | 2714 | rVB7 | 5422 | 9886 | 1.60% | 0.182% |
| 88 | 19.166 | 2775 | 2779 | 2780 | rBV3 | 4362 | 5663 | 0.92% | 0.104% |
| 89 | 19.195 | 2781 | 2784 | 2789 | rVB3 | 17888 | 24312 | 3.94% | 0.447% |
| 90 | 19.653 | 2860 | 2862 | 2865 | rBV4 | 4233 | 4278 | 0.69% | 0.079% |
| 91 | 19.765 | 2874 | 2881 | 2891 | rVB | 310045 | 452646 | 73.29% | 8.324% |
| 92 | 20.300 | 2970 | 2972 | 2977 | rVB2 | 13880 | 15586 | 2.52% | 0.287% |
| 93 | 20.358 | 2981 | 2982 | 2985 | rVB2 | 6483 | 4989 | 0.81% | 0.092% |
| 94 | 20.776 | 3049 | 3053 | 3064 | rVB | 393754 | 617637 | 100.00% | 11.358% |
| 95 | 21.293 | 3137 | 3141 | 3148 | rBV | 38570 | 59658 | 9.66% | 1.097% |
| 96 | 21.422 | 3160 | 3163 | 3166 | rBV4 | 9643 | 13564 | 2.20% | 0.249% |
| 97 | 21.451 | 3166 | 3168 | 3172 | rVB4 | 15101 | 17599 | 2.85% | 0.324% |
| 98 | 21.645 | 3195 | 3201 | 3209 | rBV | 163643 | 264349 | 42.80% | 4.861% |
| 99 | 24.630 | 3700 | 3709 | 3719 | rVB | 147467 | 392721 | 63.58% | 7.222% |
| 100 | 24.847 | 3738 | 3746 | 3759 | rVB2 | 89703 | 246167 | 39.86% | 4.527% |

Sum of corrected areas: 5438078

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Acq On : 16 Oct 2015 15:01
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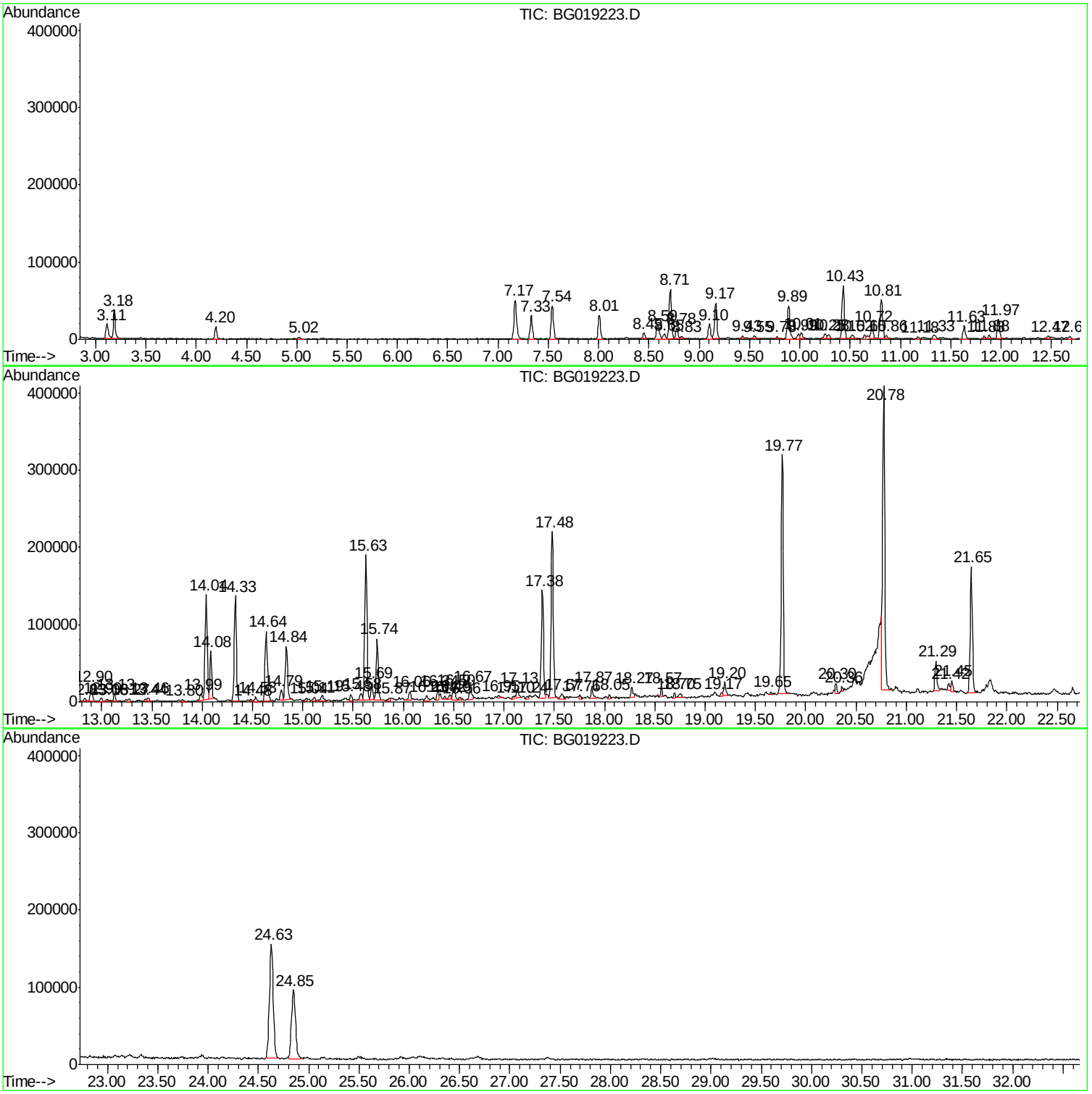
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

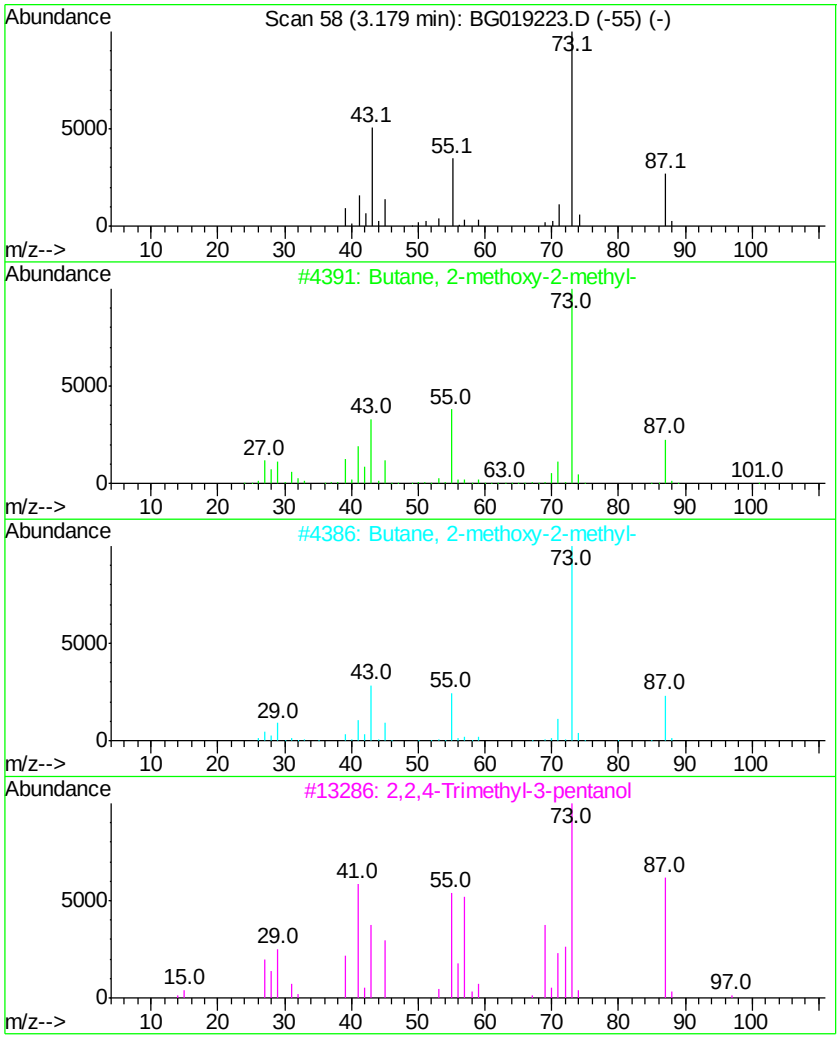
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

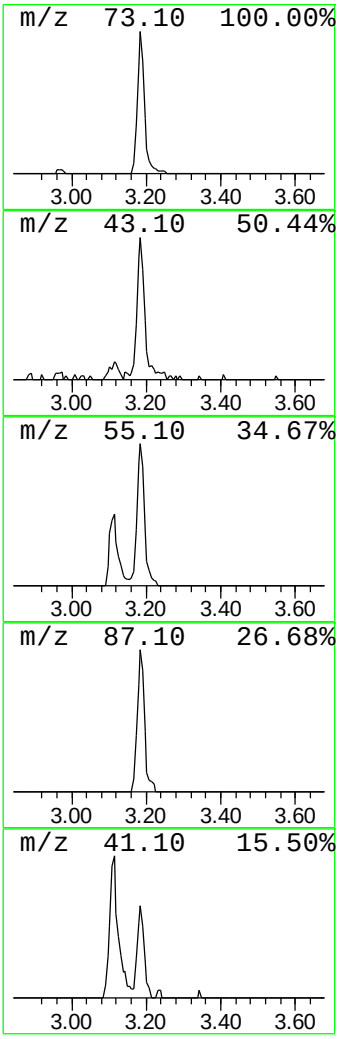
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.18 | 19.08 ng/ul | 47562 | 1,4-Dichlorobenzene-d4 | 8.00 |

| 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 | 50 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 38 |
| 4 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 36 |
| 5 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 25 |



# Library Search Compound Report

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Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

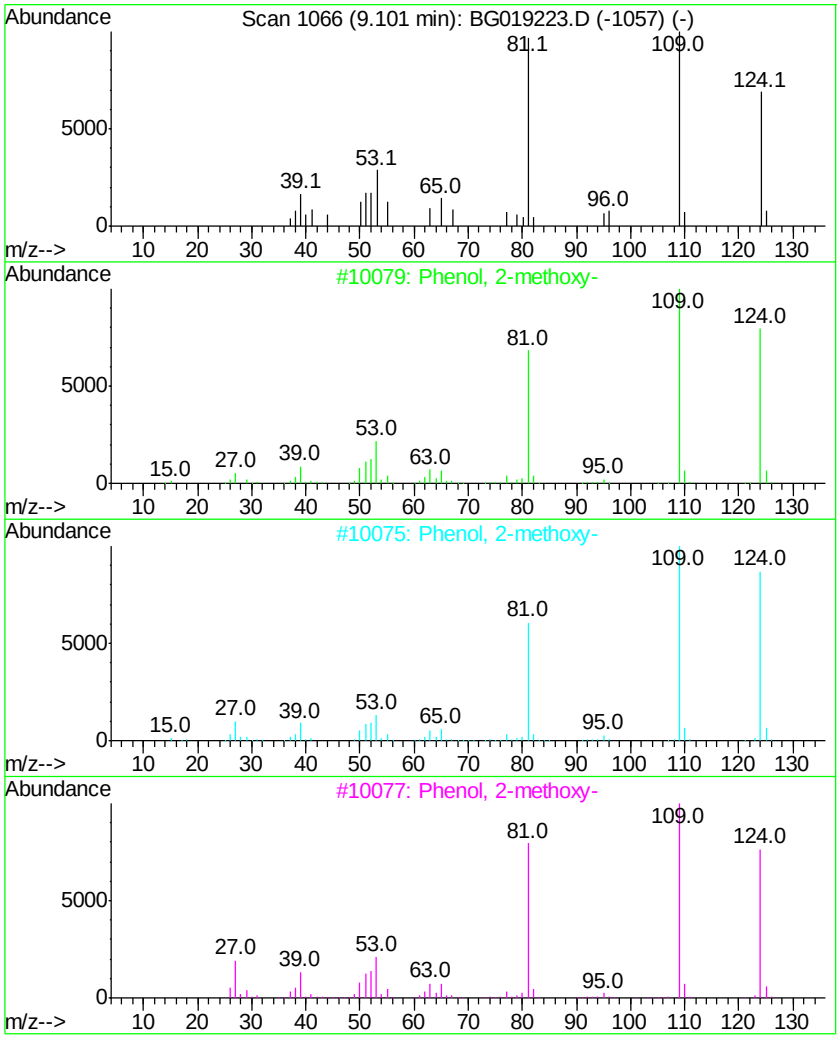
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

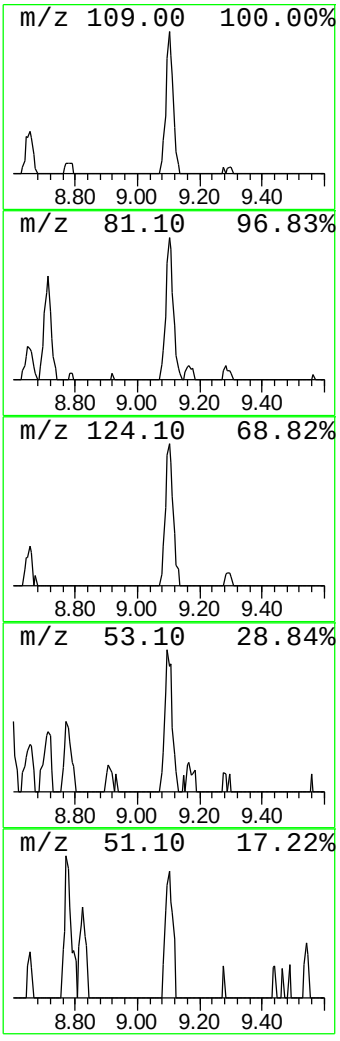
**********

Peak Number 6 Phenol, 2-methoxy- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.10 | 13.23 ng/ul | 32962 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 94 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 90 |
| 3 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 87 |
| 4 | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O | 028790-86-5 | 83 |
| 5 | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O | 000932-66-1 | 78 |



# Library Search Compound Report

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Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

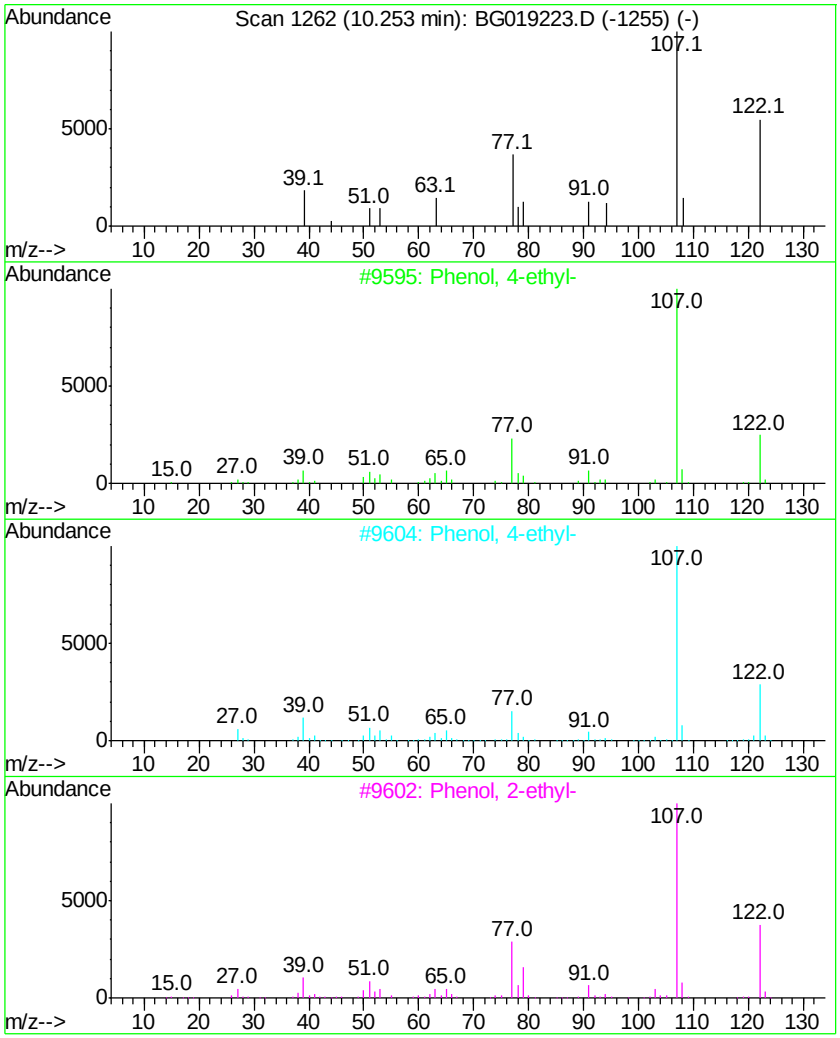
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

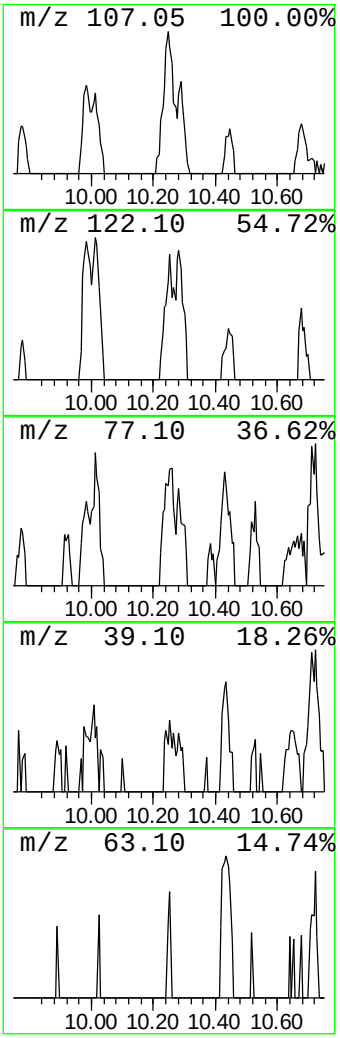
**********

Peak Number 7 Phenol, 4-ethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.25 | 2.80 ng/ul | 12042 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 72 |
| 2 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 64 |
| 3 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 53 |
| 4 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 53 |
| 5 | Pyridine, 3,4-dimethyl- | 107 | C7H9N | 000583-58-4 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

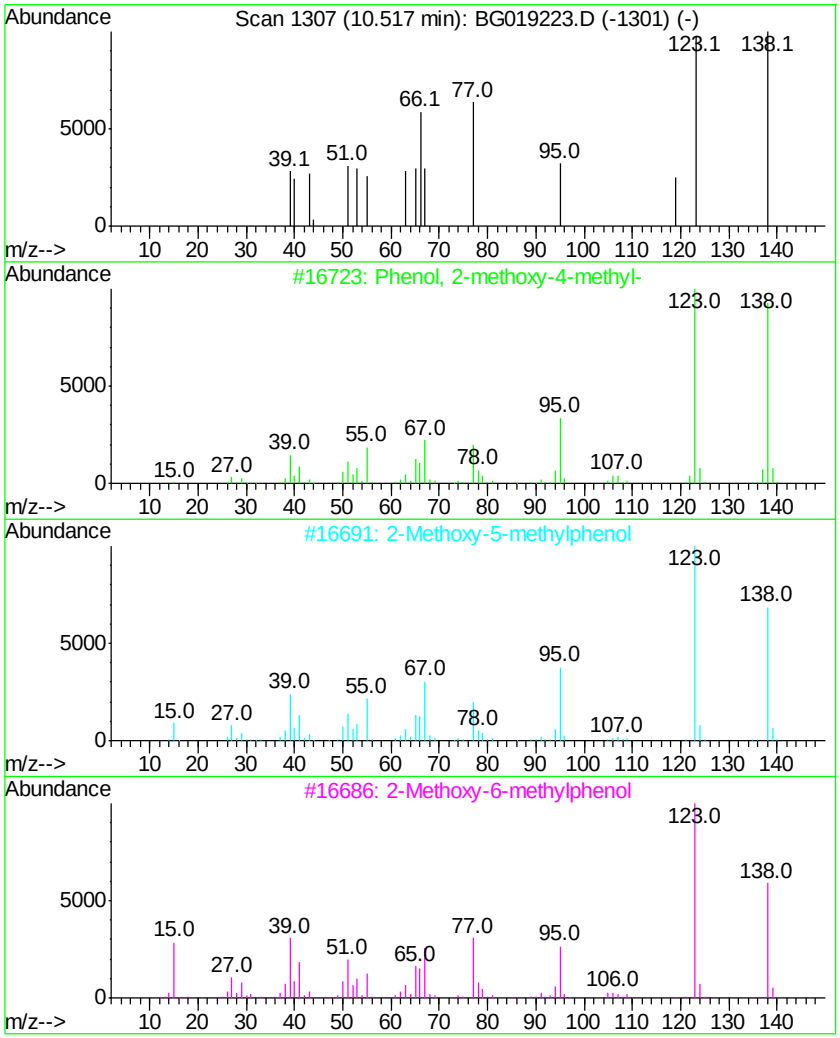
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

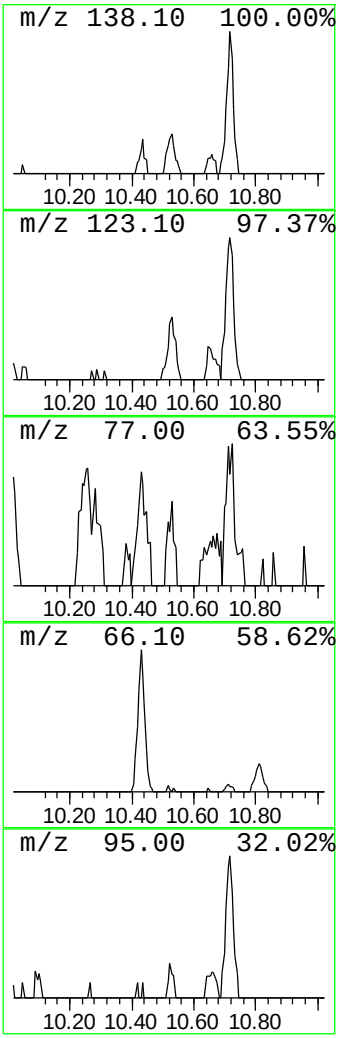
**********

Peak Number 8 Phenol, 2-methoxy-4-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.52 | 2.22 ng/ul | 9556 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 91 |
| 2 | 2-Methoxy-5-methylphenol | 138 | C8H10O2 | 001195-09-1 | 90 |
| 3 | 2-Methoxy-6-methylphenol | 138 | C8H10O2 | 002896-67-5 | 87 |
| 4 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 72 |
| 5 | Cyclopropane, 1,1,2-trimethyl-3-... | 138 | C10H18 | 054764-57-7 | 42 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

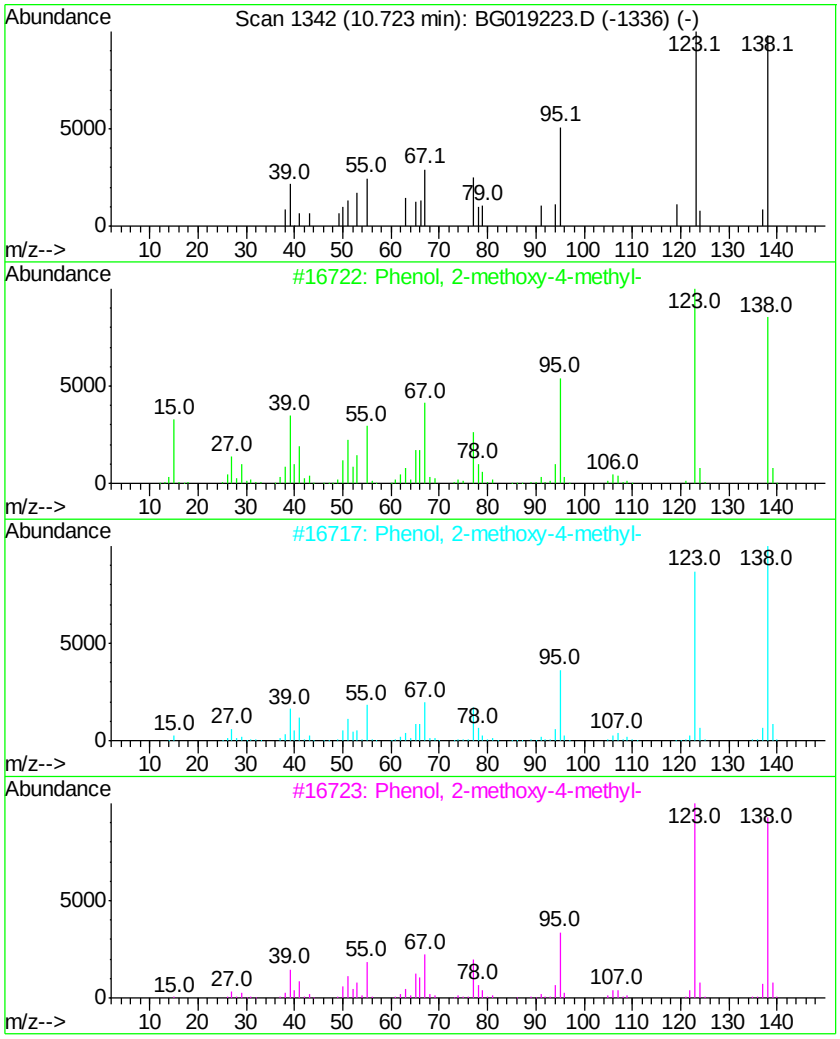
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

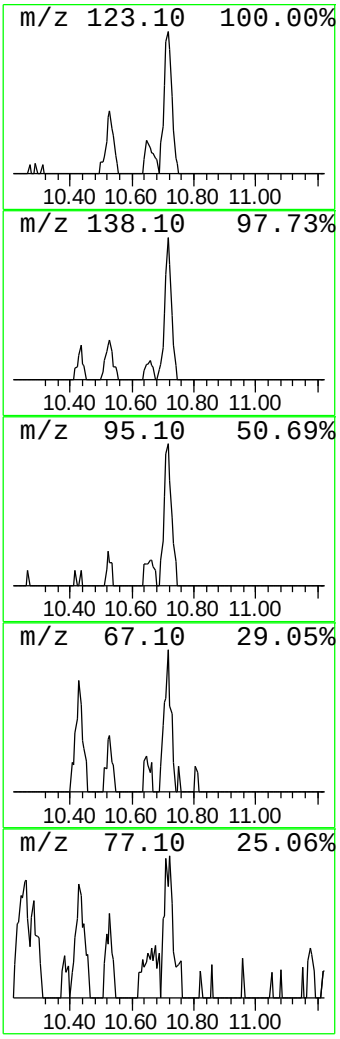
**********

Peak Number 9 Phenol, 4-methoxy-3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.72 | 6.61 ng/ul | 28442 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 91 |
| 2 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 90 |
| 3 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 83 |
| 4 | Phenol, 4-methoxy-3-methyl- | 138 | C8H10O2 | 014786-82-4 | 72 |
| 5 | 2-Methoxy-5-methylphenol | 138 | C8H10O2 | 001195-09-1 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

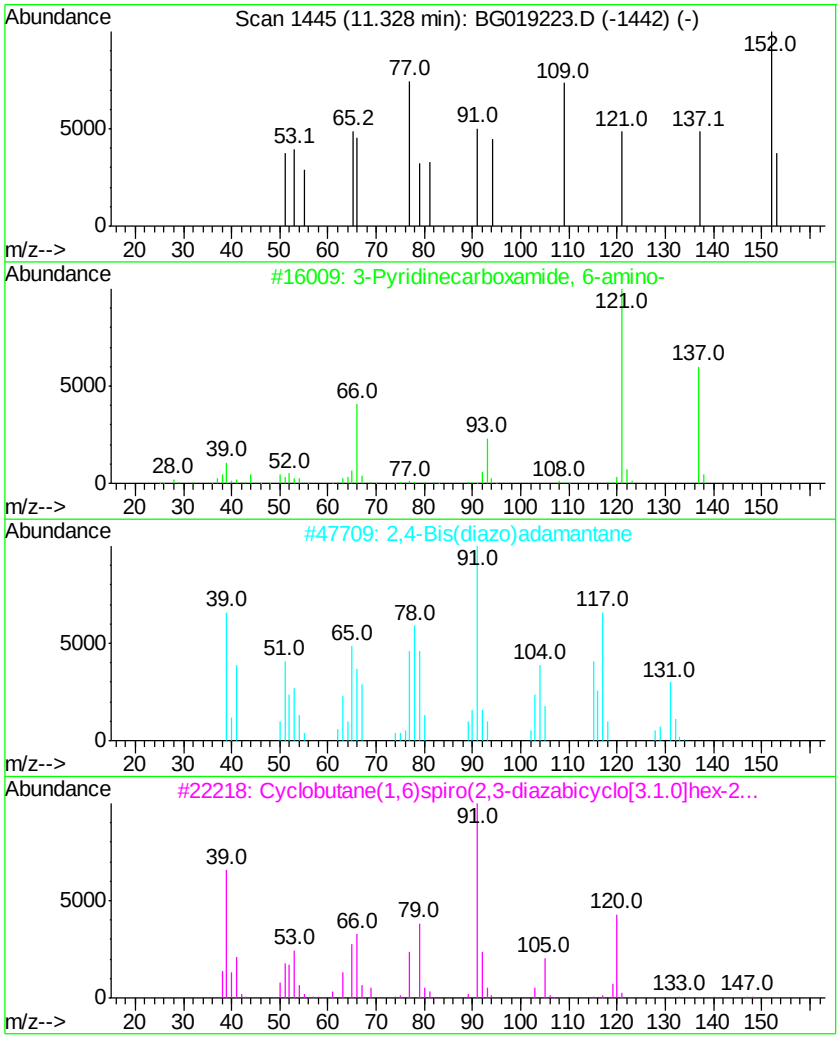
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

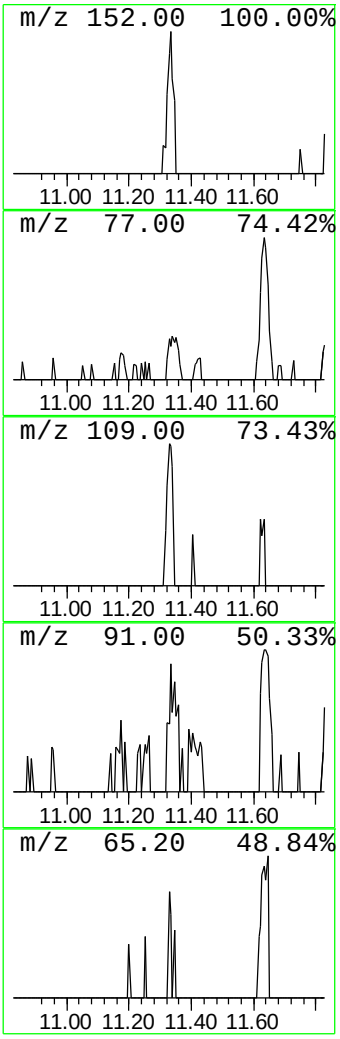
**********

Peak Number 10 unknown-01 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.33 | 2.50 ng/ul | 10733 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pyridinecarboxamide, 6-amino- | 137 | C6H7N3O | 000329-89-5 | 25 |
| 2 | 2,4-Bis(diazo)adamantane | 188 | C10H12N4 | 1000138-40-2 | 22 |
| 3 | Cyclobutane(1,6)spiro(2,3-diazab... | 148 | C9H12N2 | 176172-15-9 | 22 |
| 4 | 5-Ethyl-2-methyl-pyridin-4-amine | 136 | C8H12N2 | 005350-64-1 | 16 |
| 5 | 1,4-Methano-1H-cyclopenta[d]pyri... | 162 | C10H14N2 | 1000221-84-4 | 10 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

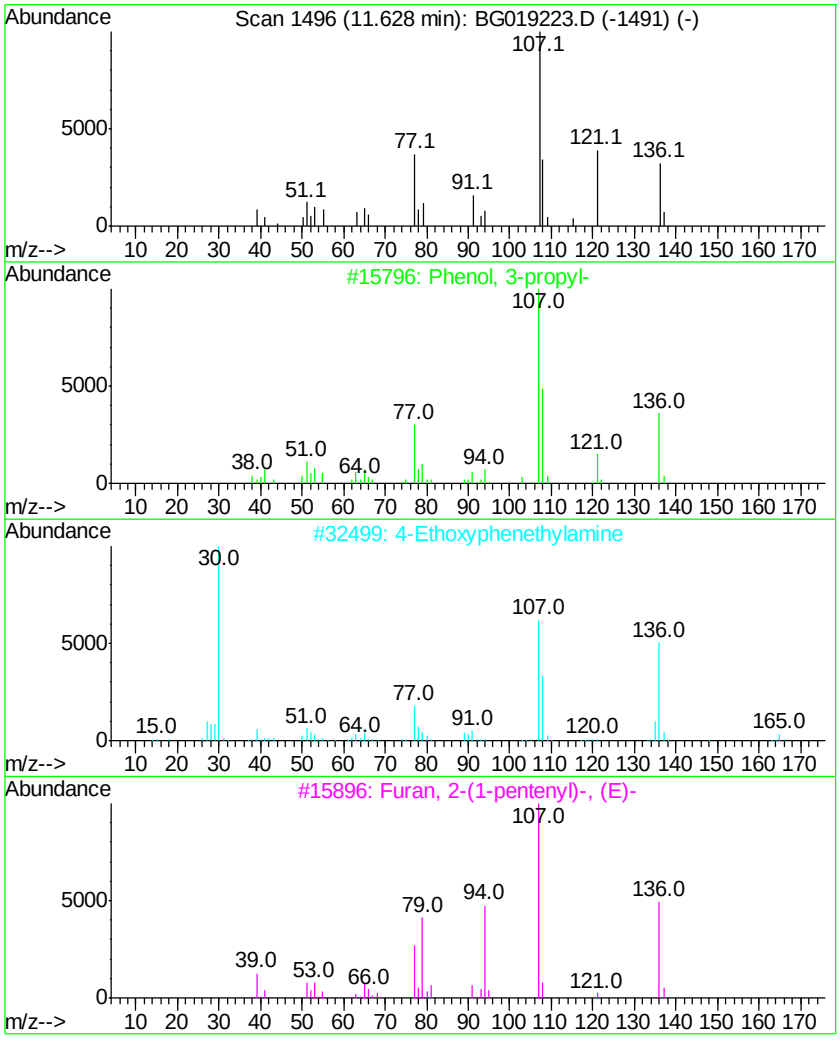
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

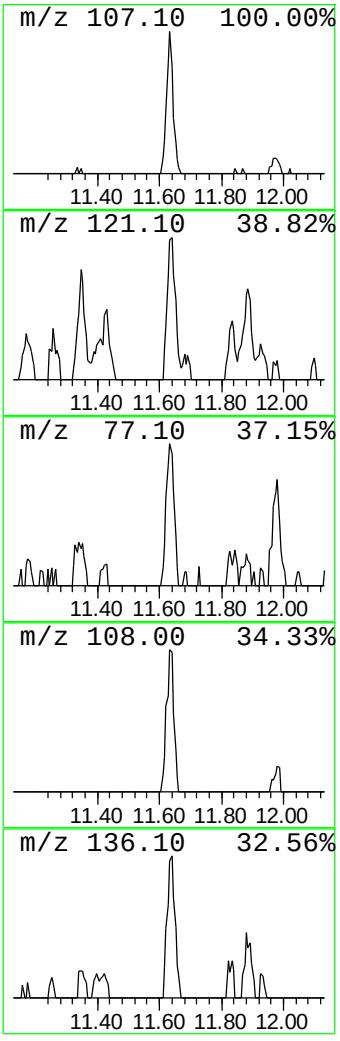
**********

Peak Number 11 Phenol, 3-propyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.63 | 6.68 ng/ul | 28737 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-propyl- | 136 | C9H12O | 000621-27-2 | 87 |
| 2 | 4-Ethoxyphenethylamine | 165 | C10H15NO | 056370-30-0 | 56 |
| 3 | Furan, 2-(1-pentenyl)-, (E)- | 136 | C9H12O | 020992-69-2 | 50 |
| 4 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 50 |
| 5 | Benzenemethanol, 4-ethyl- | 136 | C9H12O | 000768-59-2 | 50 |



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Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

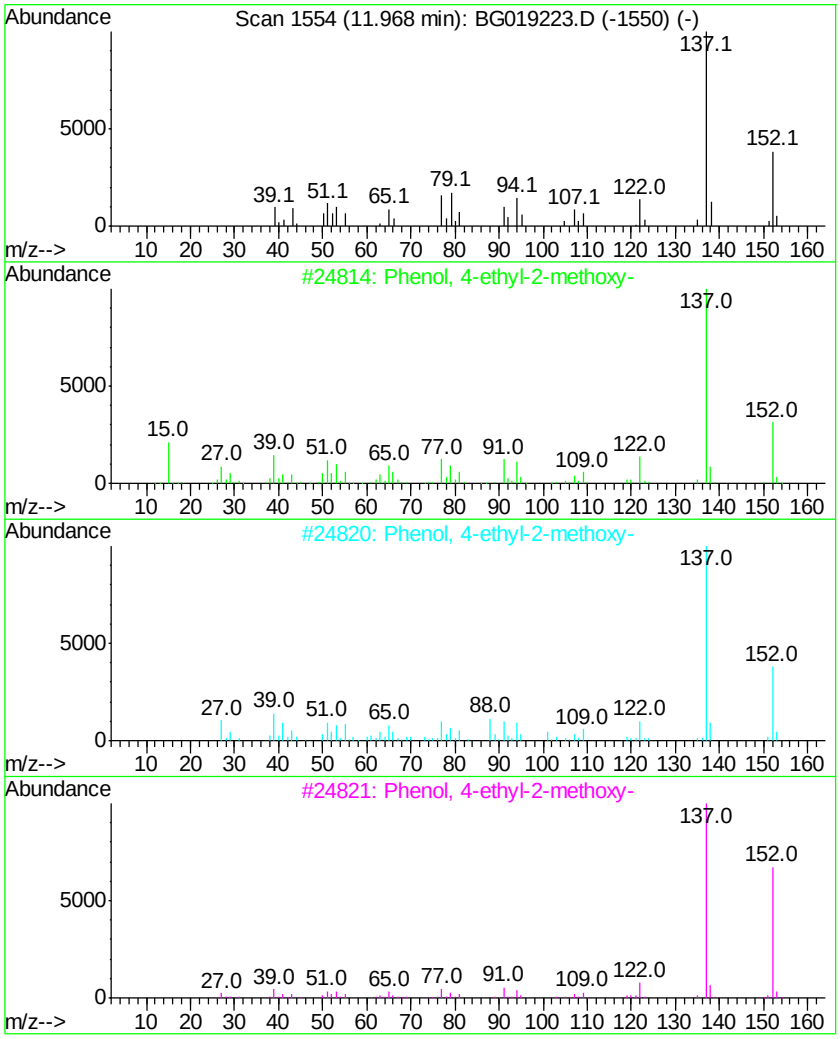
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

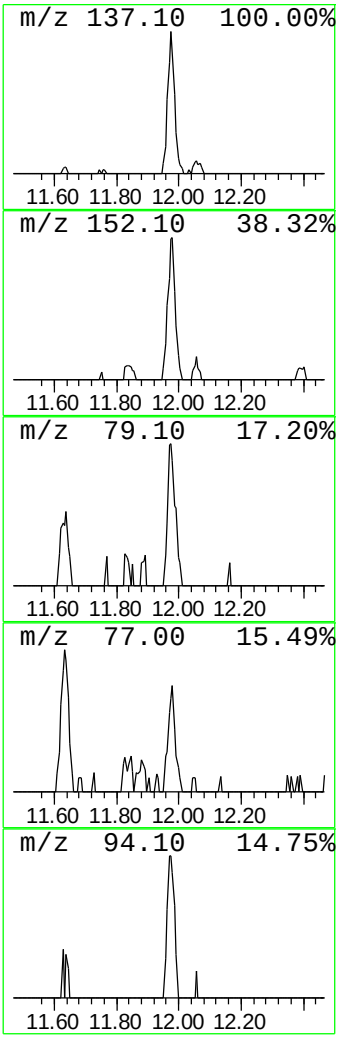
**********

Peak Number 12 Phenol, 4-ethyl-2-methoxy- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.97 | 9.52 ng/ul | 40939 | Naphthalene-d8 | 10.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 93 |
| 2 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 90 |
| 3 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 78 |
| 4 | Benzene, 1,4-dimethoxy-2-methyl- | 152 | C9H12O2 | 024599-58-4 | 72 |
| 5 | O-Methoxy-.alpha.-methylbenzyl a... | 152 | C9H12O2 | 013513-82-1 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

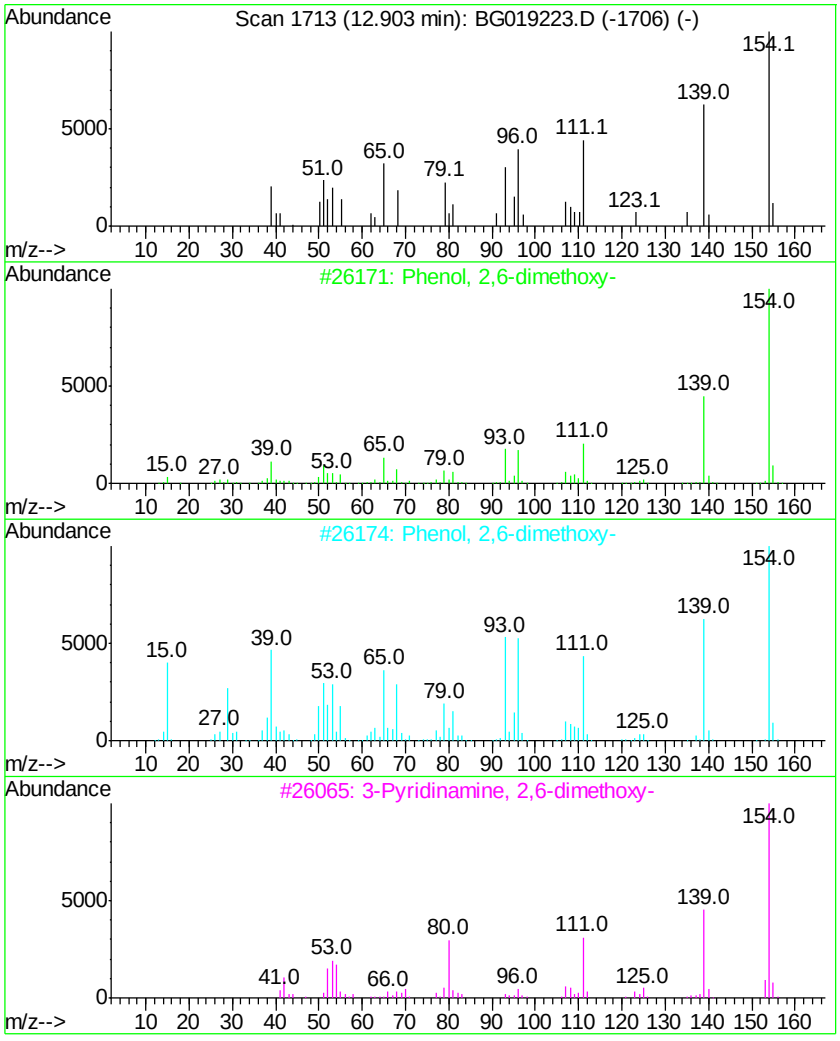
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

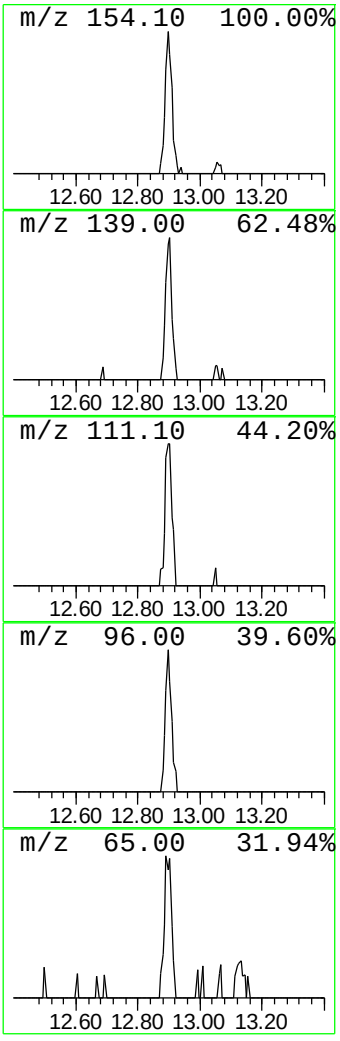
**********

Peak Number 13 Phenol, 2,6-dimethoxy- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.90 | 4.29 ng/ul | 31326 | Acenaphthene-d10 | 14.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,6-dimethoxy- | 154 | C8H10O3 | 000091-10-1 | 90 |
| 2 | Phenol, 2,6-dimethoxy- | 154 | C8H10O3 | 000091-10-1 | 68 |
| 3 | 3-Pyridinamine, 2,6-dimethoxy- | 154 | C7H10N2O2 | 080789-72-6 | 58 |
| 4 | 3-Amino-2,6-dimethoxypyridine | 154 | C7H10N2O2 | 028020-37-3 | 52 |
| 5 | Phenol, 3,4-dimethoxy- | 154 | C8H10O3 | 002033-89-8 | 50 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

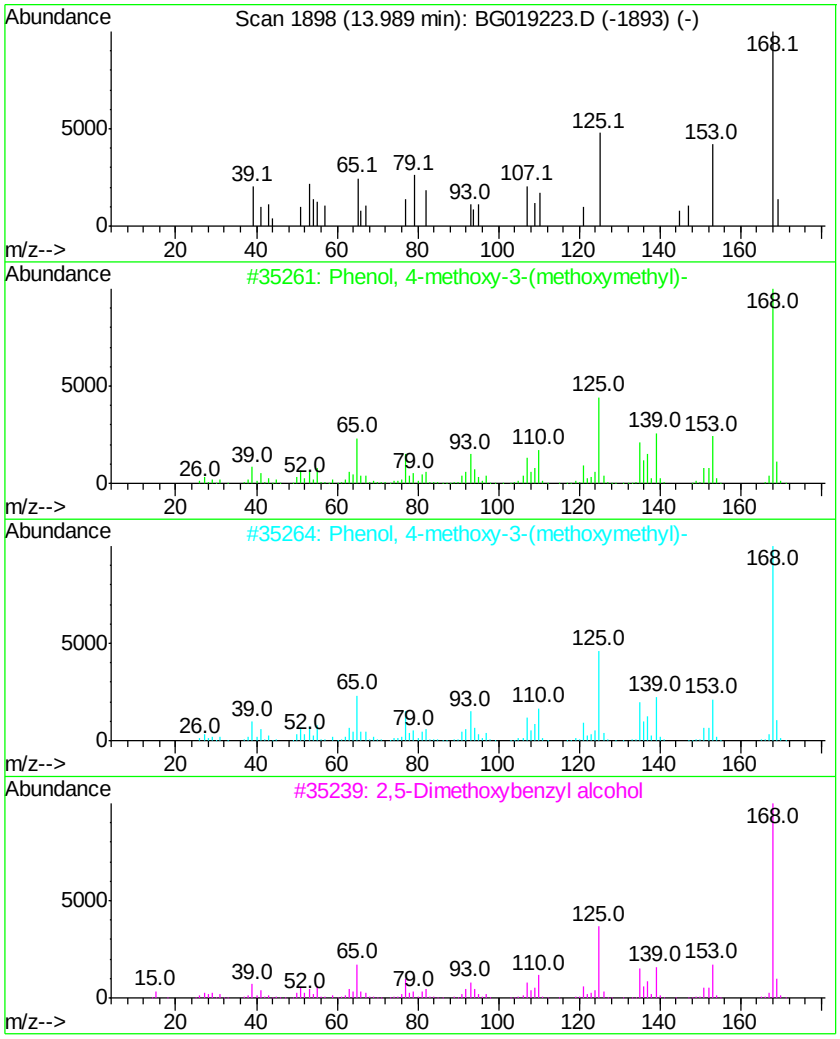
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

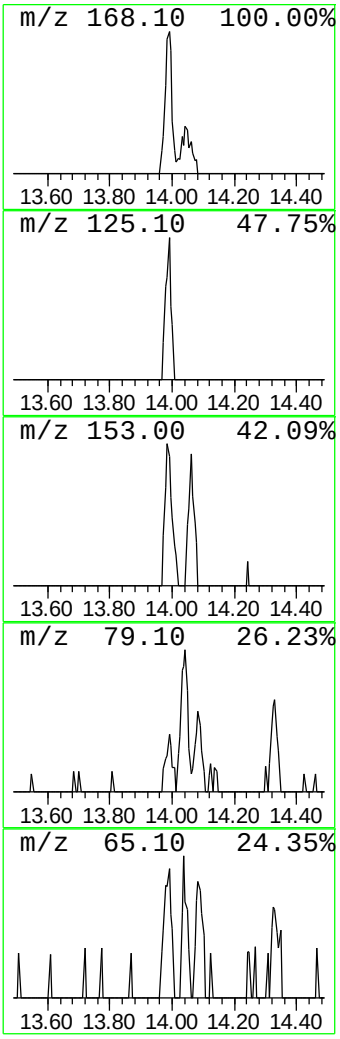
**********

Peak Number 14 Phenol, 4-methoxy-3-(methox... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.99 | 2.00 ng/ul | 14616 | Acenaphthene-d10 | 14.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-methoxy-3-(methoxymeth... | 168 | C9H12O3 | 059907-65-2 | 64 |
| 2 | Phenol, 4-methoxy-3-(methoxymeth... | 168 | C9H12O3 | 059907-65-2 | 64 |
| 3 | 2,5-Dimethoxybenzyl alcohol | 168 | C9H12O3 | 033524-31-1 | 53 |
| 4 | 1,2,4-Trimethoxybenzene | 168 | C9H12O3 | 000135-77-3 | 50 |
| 5 | 2,5-Dimethoxybenzyl alcohol | 168 | C9H12O3 | 033524-31-1 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

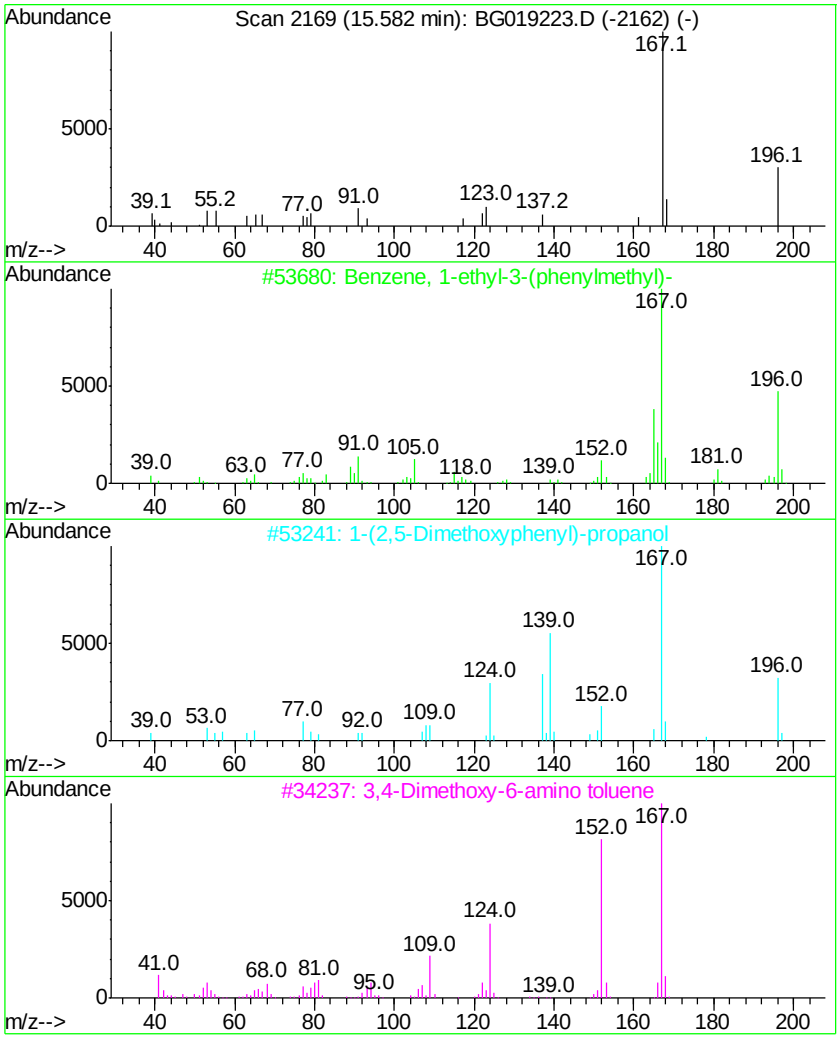
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

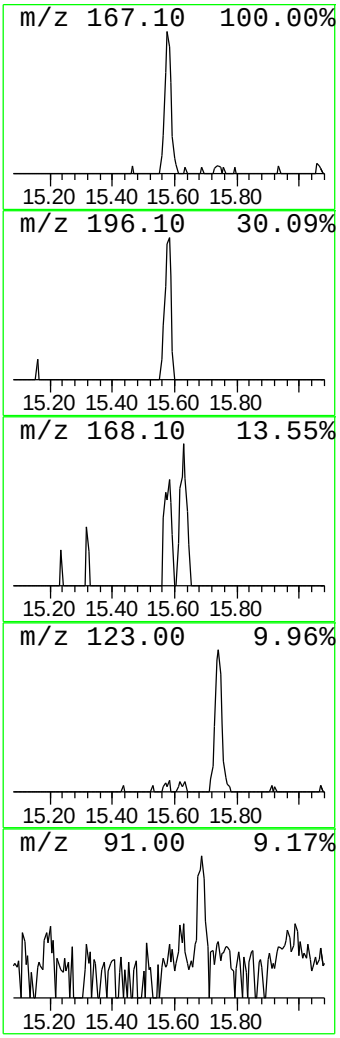
**********

Peak Number 15 Benzene, 1-ethyl-3-(phenylm... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.58 | 2.03 ng/ul | 14783 | Acenaphthene-d10 | 14.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-(phenylmethyl)- | 196 | C15H16 | 028122-24-9 | 64 |
| 2 | 1-(2,5-Dimethoxyphenyl)-propanol | 196 | C11H16O3 | 089106-42-3 | 39 |
| 3 | 3,4-Dimethoxy-6-amino toluene | 167 | C9H13NO2 | 041864-45-3 | 33 |
| 4 | 4-Amino-6-mercaptopyrazolo(3,4-d... | 167 | C5H5N5S | 023771-52-0 | 33 |
| 5 | p-Ethyldiphenylmethane | 196 | C15H16 | 000620-85-9 | 16 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

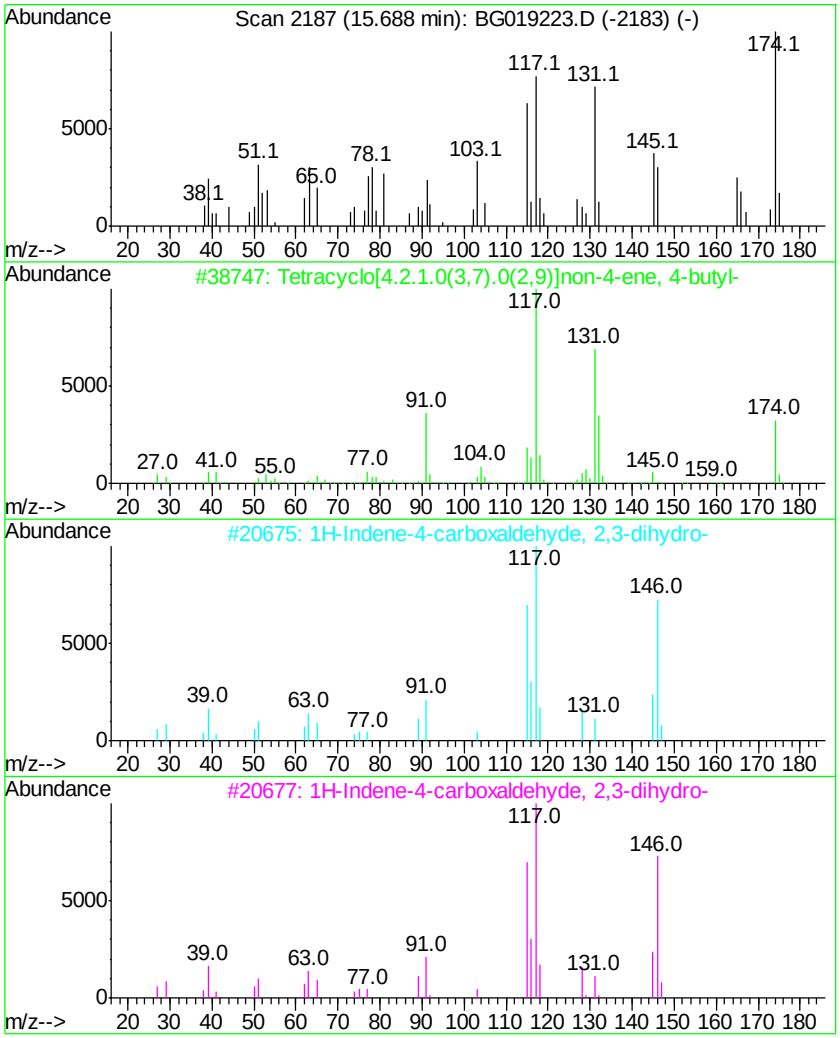
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

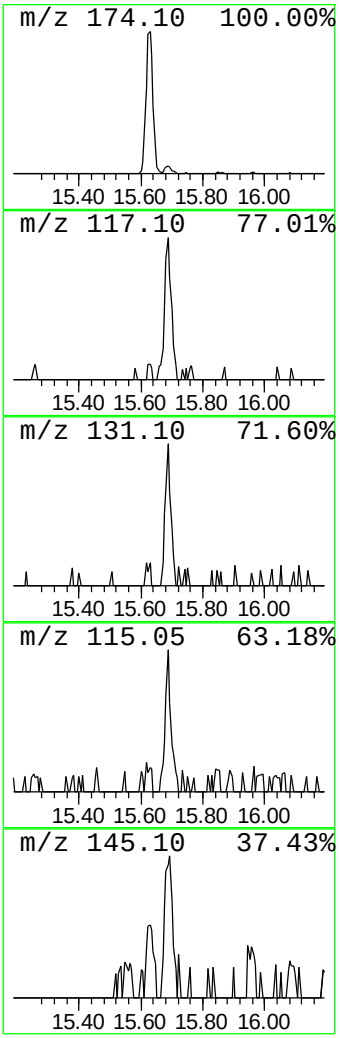
**********

Peak Number 16 Tetracyclo[4.2.1.0(3,7).0(2... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.69 | 4.30 ng/ul | 31376 | Acenaphthene-d10 | 14.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracyclo[4.2.1.0(3,7).0(2,9)]n... | 174 | C13H18 | 1000164-31-2 | 60 |
| 2 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 49 |
| 3 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 49 |
| 4 | Benzeneacetaldehyde, .alpha.-eth... | 146 | C10H10O | 004411-89-6 | 38 |
| 5 | 4-Phenyl-3-butyn-2-ol | 146 | C10H10O | 1000118-15-0 | 35 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

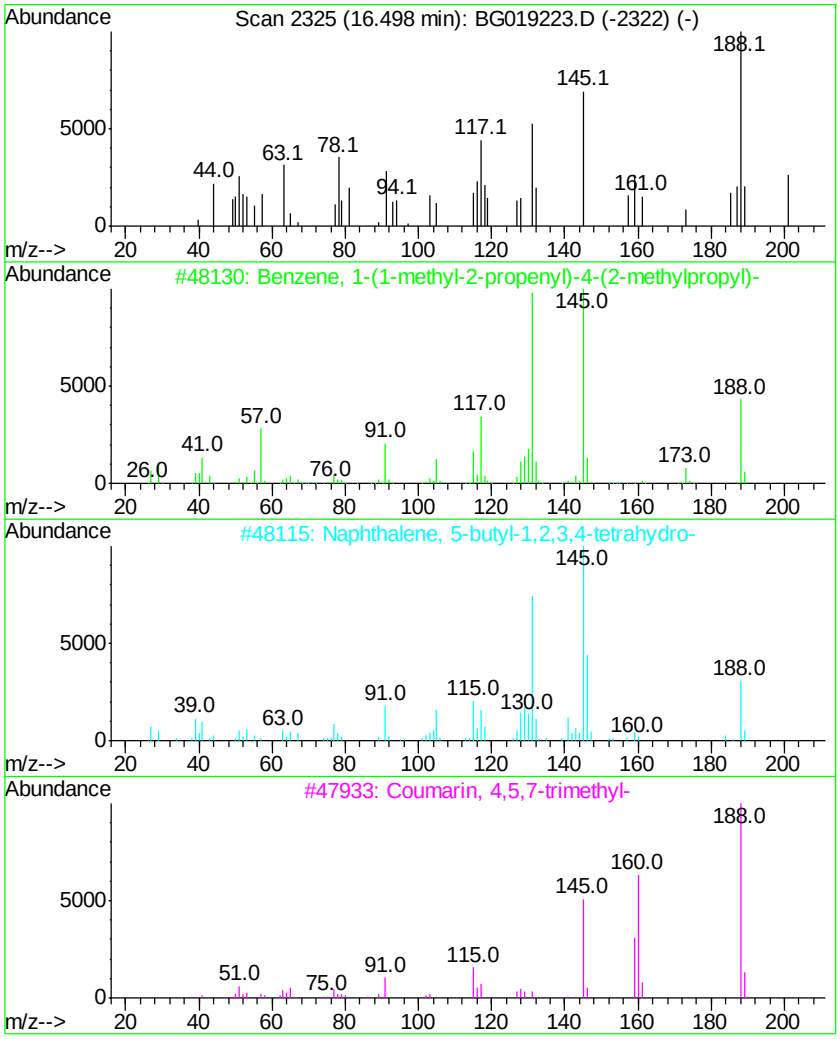
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

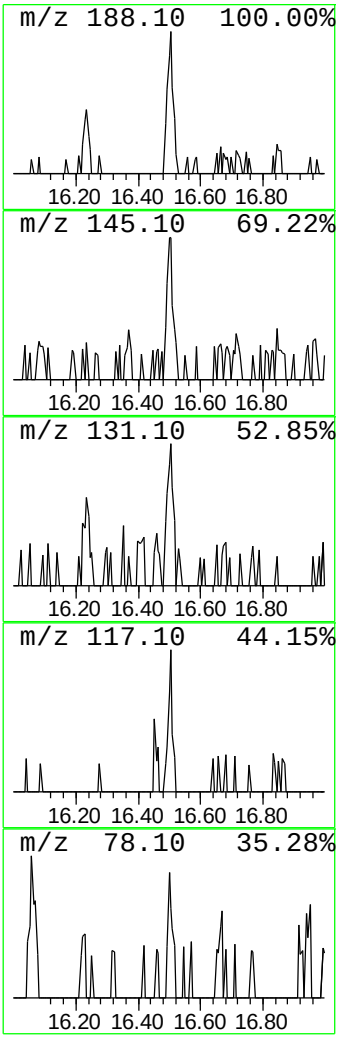
**********

Peak Number 17 Benzene, 1-(1-methyl-2-prop... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 2.34 ng/ul | 24527 | Phenanthrene-d10 | 17.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(1-methyl-2-propenyl)... | 188 | C14H20 | 057438-46-7 | 53 |
| 2 | Naphthalene, 5-butyl-1,2,3,4-tet... | 188 | C14H20 | 066325-42-6 | 50 |
| 3 | Coumarin, 4,5,7-trimethyl- | 188 | C12H12O2 | 014002-91-6 | 47 |
| 4 | Naphthalene, 2,3-dimethoxy- | 188 | C12H12O2 | 010103-06-7 | 43 |
| 5 | Pentacyclo[8.4.0.0(3,7).0(4,14).... | 188 | C14H20 | 1000099-27-2 | 43 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

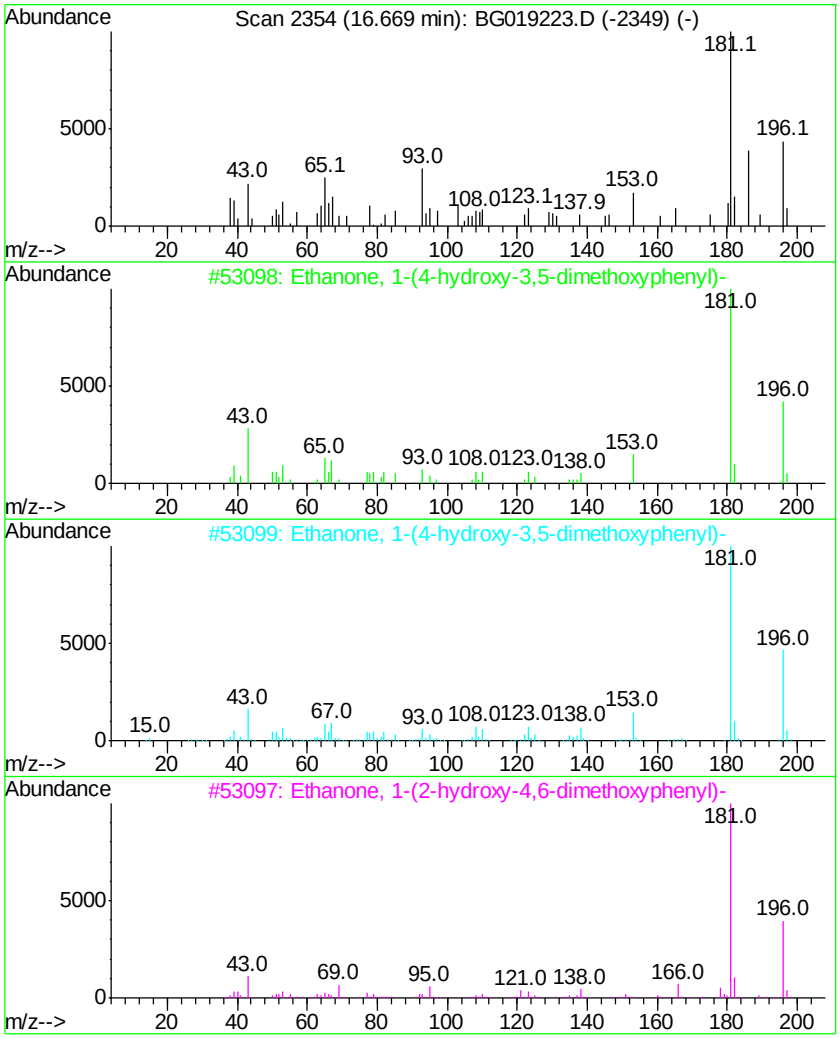
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

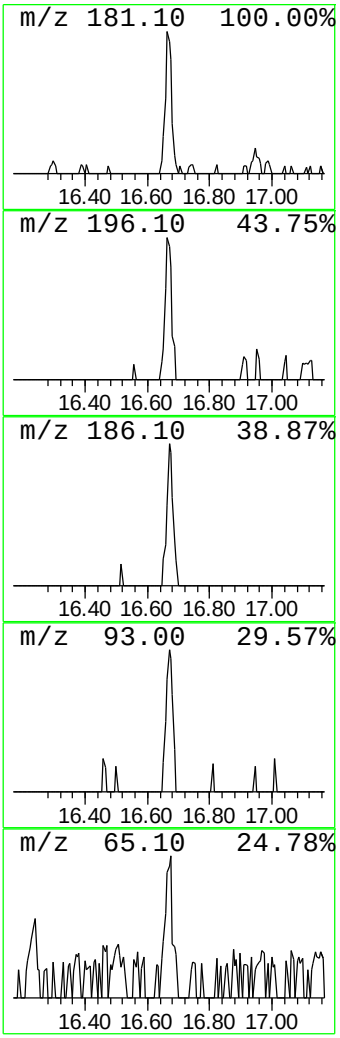
**********

Peak Number 18 Ethanone, 1-(4-hydroxy-3,5-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.67 | 2.78 ng/ul | 29099 | Phenanthrene-d10 | 17.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(4-hydroxy-3,5-dimet... | 196 | C10H12O4 | 002478-38-8 | 64 |
| 2 | Ethanone, 1-(4-hydroxy-3,5-dimet... | 196 | C10H12O4 | 002478-38-8 | 49 |
| 3 | Ethanone, 1-(2-hydroxy-4,6-dimet... | 196 | C10H12O4 | 000090-24-4 | 47 |
| 4 | Benzene, 1,2-dimethyl-4-(phenylm... | 196 | C15H16 | 013540-56-2 | 47 |
| 5 | Benzene, 2-chloro-1,3-bis(1-meth... | 196 | C12H17Cl | 054845-36-2 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

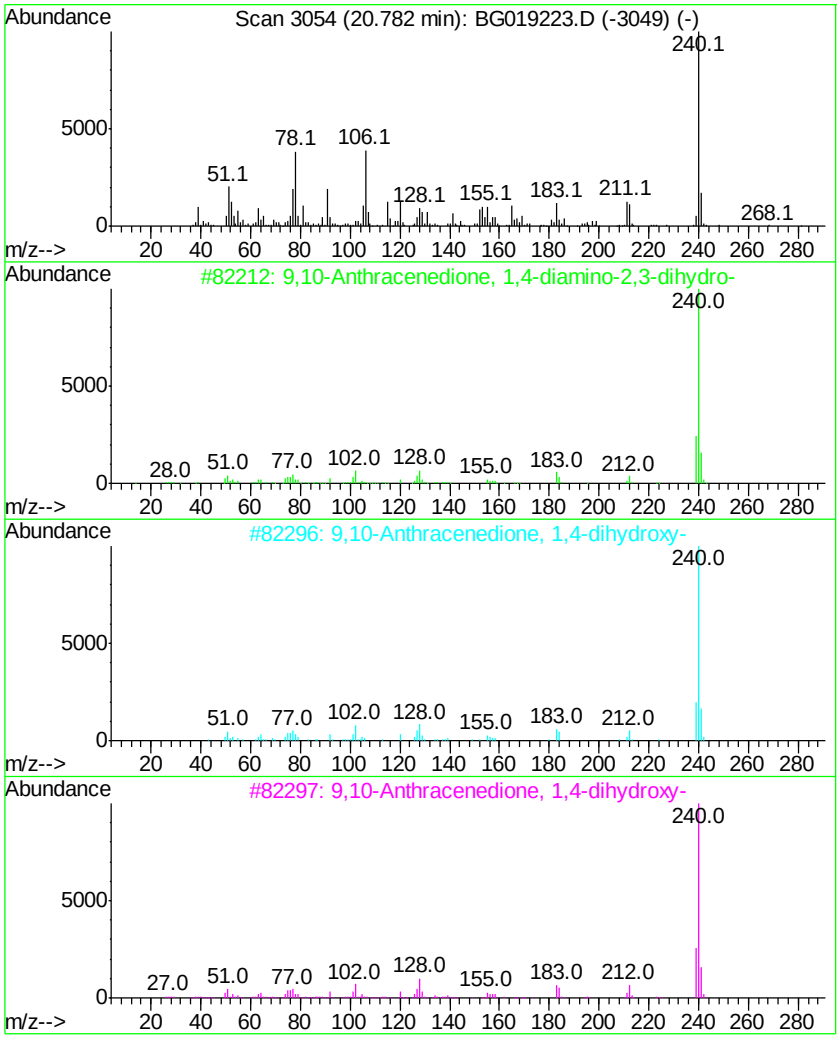
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

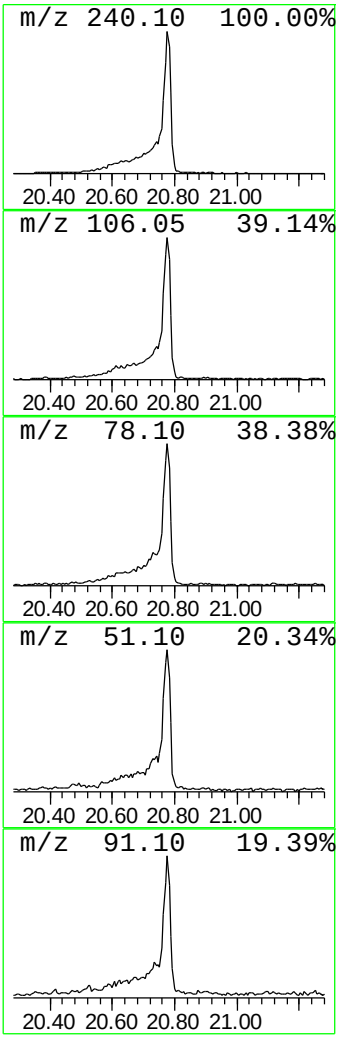
**********

Peak Number 20 9,10-Anthracenedione, 1,4-d... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.78 | 46.73 ng/ul | 617637 | Chrysene-d12 | 21.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione, 1,4-diamin... | 240 | C14H12N2O2 | 000081-63-0 | 55 |
| 2 | 9,10-Anthracenedione, 1,4-dihydr... | 240 | C14H8O4 | 000081-64-1 | 50 |
| 3 | 9,10-Anthracenedione, 1,4-dihydr... | 240 | C14H8O4 | 000081-64-1 | 50 |
| 4 | Alizarin | 240 | C14H8O4 | 000072-48-0 | 50 |
| 5 | Alizarin | 240 | C14H8O4 | 000072-48-0 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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

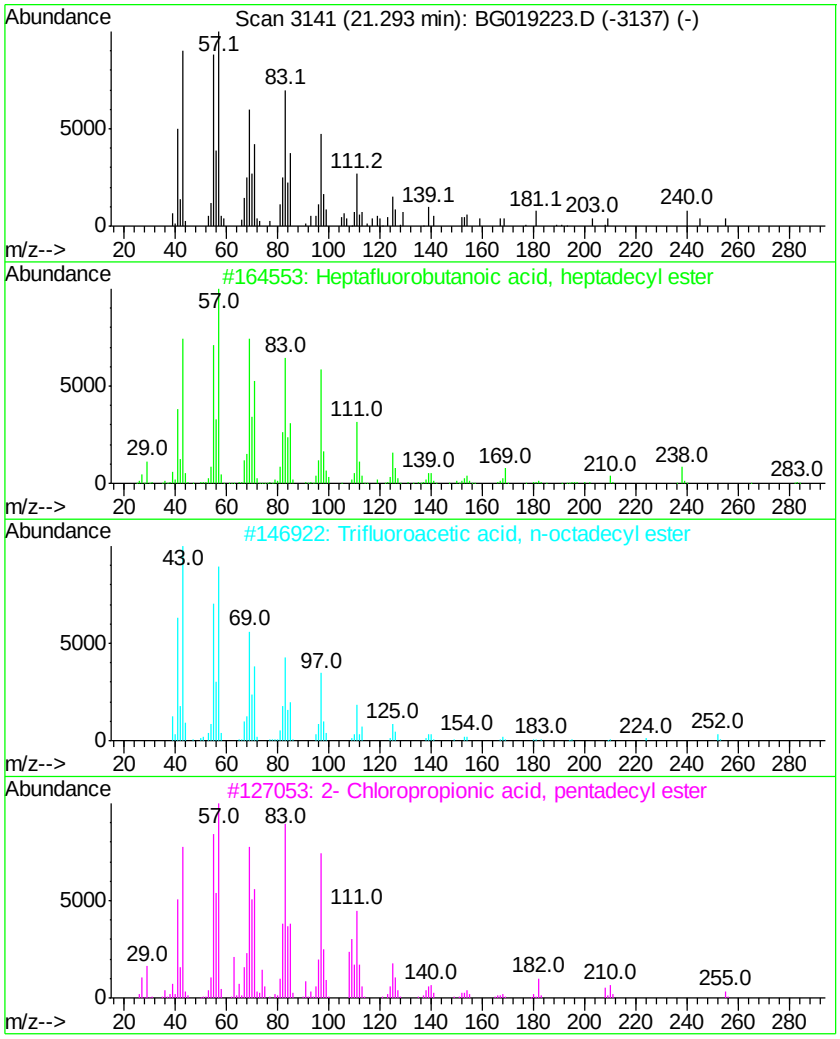
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

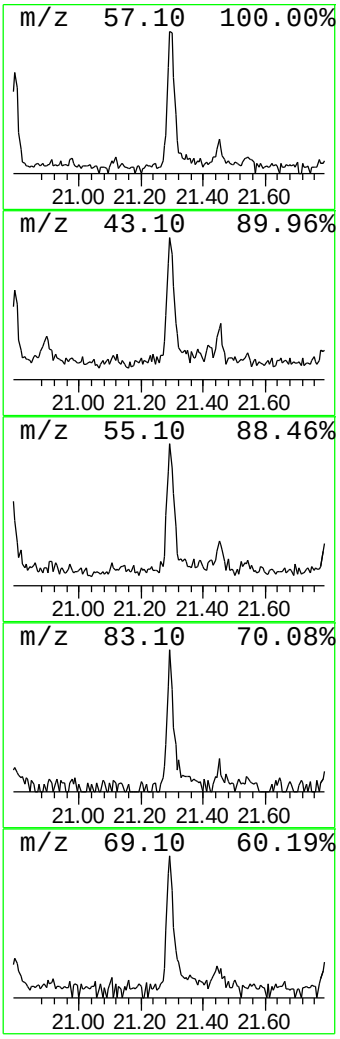
**********

Peak Number 21 Heptafluorobutanoic acid, h... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.29 | 4.51 ng/ul | 59658 | Chrysene-d12 | 21.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 90 |
| 2 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 87 |
| 3 | 2- Chloropropionic acid, pentade... | 318 | C18H35ClO2 | 1000292-44-1 | 87 |
| 4 | 1-Heptadecanol | 256 | C17H36O | 001454-85-9 | 74 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101615\
Data File : BG019223.D
Acq On : 16 Oct 2015 15:01
Operator : UM/NP
Sample : G3996-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LJ2

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 | 19.1 | ng/ul | 47562 | 1 | 8.00 | 49844 | 20.0 |
| Phenol, 2-methoxy- | 9.10 | 13.2 | ng/ul | 32962 | 1 | 8.00 | 49844 | 20.0 |
| Phenol, 4-ethyl- | 10.25 | 2.8 | ng/ul | 12042 | 2 | 10.81 | 86016 | 20.0 |
| Phenol, 2-methoxy... | 10.52 | 2.2 | ng/ul | 9556 | 2 | 10.81 | 86016 | 20.0 |
| Phenol, 4-methoxy... | 10.72 | 6.6 | ng/ul | 28442 | 2 | 10.81 | 86016 | 20.0 |
| unknown-01 | 11.33 | 2.5 | ng/ul | 10733 | 2 | 10.81 | 86016 | 20.0 |
| Phenol, 3-propyl- | 11.63 | 6.7 | ng/ul | 28737 | 2 | 10.81 | 86016 | 20.0 |
| Phenol, 4-ethyl-2... | 11.97 | 9.5 | ng/ul | 40939 | 2 | 10.81 | 86016 | 20.0 |
| Phenol, 2,6-dimet... | 12.90 | 4.3 | ng/ul | 31326 | 3 | 14.64 | 145878 | 20.0 |
| Phenol, 4-methoxy... | 13.99 | 2.0 | ng/ul | 14616 | 3 | 14.64 | 145878 | 20.0 |
| Benzene, 1-ethyl-... | 15.58 | 2.0 | ng/ul | 14783 | 3 | 14.64 | 145878 | 20.0 |
| Tetracyclo[4.2.1.... | 15.69 | 4.3 | ng/ul | 31376 | 3 | 14.64 | 145878 | 20.0 |
| Benzene, 1-(1-met... | 16.50 | 2.3 | ng/ul | 24527 | 4 | 17.38 | 209278 | 20.0 |
| Ethanone, 1-(4-hy... | 16.67 | 2.8 | ng/ul | 29099 | 4 | 17.38 | 209278 | 20.0 |
| 9,10-Anthracenedi... | 20.78 | 46.7 | ng/ul | 617637 | 5 | 21.65 | 264349 | 20.0 |
| Heptafluorobutano... | 21.29 | 4.5 | ng/ul | 59658 | 5 | 21.65 | 264349 | 20.0 |