LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

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-BG102815.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 | 6.909 | 688 | 693 | 704 | rVB2 | 68456 | 134614 | 5.75% | 0.248% |
| 2 | 7.391 | 769 | 775 | 787 | rVB | 264053 | 523442 | 22.35% | 0.966% |
| 3 | 7.843 | 848 | 852 | 861 | rVV2 | 86233 | 164345 | 7.02% | 0.303% |
| 4 | 7.926 | 861 | 866 | 872 | rVV3 | 108570 | 192777 | 8.23% | 0.356% |
| 5 | 8.208 | 903 | 914 | 928 | rBV2 | 205601 | 494644 | 21.12% | 0.912% |
| 6 | 8.490 | 955 | 962 | 972 | rVB2 | 149782 | 344781 | 14.72% | 0.636% |
| 7 | 8.654 | 983 | 990 | 1001 | rVB | 712105 | 1229058 | 52.48% | 2.267% |
| 8 | 8.748 | 1001 | 1006 | 1013 | rVB | 64587 | 118457 | 5.06% | 0.219% |
| 9 | 8.866 | 1013 | 1026 | 1033 | rBV4 | 128825 | 316160 | 13.50% | 0.583% |
| 10 | 8.995 | 1039 | 1048 | 1054 | rBV | 1196324 | 2342108 | 100.00% | 4.320% |
| 11 | 9.312 | 1093 | 1102 | 1112 | rVV | 477400 | 1026725 | 43.84% | 1.894% |
| 12 | 9.424 | 1114 | 1121 | 1128 | rVV9 | 48772 | 134324 | 5.74% | 0.248% |
| 13 | 9.506 | 1128 | 1135 | 1141 | rVV3 | 107559 | 230350 | 9.84% | 0.425% |
| 14 | 9.647 | 1152 | 1159 | 1163 | rVV | 289153 | 551087 | 23.53% | 1.017% |
| 15 | 9.694 | 1163 | 1167 | 1173 | rVV2 | 120567 | 255511 | 10.91% | 0.471% |
| 16 | 9.765 | 1173 | 1179 | 1187 | rVB | 253088 | 464652 | 19.84% | 0.857% |
| 17 | 9.988 | 1210 | 1217 | 1224 | rVB2 | 248199 | 441428 | 18.85% | 0.814% |
| 18 | 10.129 | 1231 | 1241 | 1247 | rBV7 | 73780 | 209252 | 8.93% | 0.386% |
| 19 | 10.199 | 1247 | 1253 | 1256 | rVV | 588221 | 1084968 | 46.32% | 2.001% |
| 20 | 10.235 | 1256 | 1259 | 1264 | rVV | 625187 | 948286 | 40.49% | 1.749% |
| 21 | 10.470 | 1286 | 1299 | 1303 | rBV3 | 573501 | 1612256 | 68.84% | 2.974% |
| 22 | 10.511 | 1303 | 1306 | 1315 | rVB2 | 522953 | 830791 | 35.47% | 1.532% |
| 23 | 10.669 | 1326 | 1333 | 1338 | rBV | 300425 | 536588 | 22.91% | 0.990% |
| 24 | 10.740 | 1338 | 1345 | 1354 | rVB3 | 213555 | 454583 | 19.41% | 0.839% |
| 25 | 10.875 | 1358 | 1368 | 1375 | rBV3 | 415732 | 1353861 | 57.81% | 2.497% |
| 26 | 10.934 | 1375 | 1378 | 1384 | rVB | 396972 | 632040 | 26.99% | 1.166% |
| 27 | 11.040 | 1390 | 1396 | 1400 | rBV2 | 222979 | 358814 | 15.32% | 0.662% |
| 28 | 11.092 | 1400 | 1405 | 1411 | rVB | 387702 | 683933 | 29.20% | 1.262% |
| 29 | 11.175 | 1411 | 1419 | 1427 | rBV | 170024 | 360489 | 15.39% | 0.665% |
| 30 | 11.280 | 1431 | 1437 | 1449 | rVB3 | 129038 | 422893 | 18.06% | 0.780% |
| 31 | 11.398 | 1450 | 1457 | 1461 | rBV3 | 220851 | 460635 | 19.67% | 0.850% |
| 32 | 11.445 | 1461 | 1465 | 1469 | rBV | 171508 | 258843 | 11.05% | 0.477% |
| 33 | 11.568 | 1479 | 1486 | 1491 | rVB2 | 205320 | 478041 | 20.41% | 0.882% |
| 34 | 11.621 | 1491 | 1495 | 1504 | rVB3 | 161698 | 418074 | 17.85% | 0.771% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

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-BG102815.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.856 | 1529 | 1535 | 1541 | rBV2 | 634453 | 1071139 | 45.73% | 1.976% |
| 36 | 12.050 | 1562 | 1568 | 1572 | rBV | 313238 | 518654 | 22.14% | 0.957% |
| 37 | 12.103 | 1572 | 1577 | 1581 | rVV3 | 176407 | 278322 | 11.88% | 0.513% |
| 38 | 12.191 | 1586 | 1592 | 1600 | rVV2 | 818494 | 1582158 | 67.55% | 2.918% |
| 39 | 12.268 | 1601 | 1605 | 1610 | rVV | 276032 | 453666 | 19.37% | 0.837% |
| 40 | 12.414 | 1625 | 1630 | 1635 | rVB3 | 239198 | 387792 | 16.56% | 0.715% |
| 41 | 12.550 | 1644 | 1653 | 1668 | rBV3 | 127811 | 494810 | 21.13% | 0.913% |
| 42 | 12.679 | 1670 | 1675 | 1680 | rBV | 396954 | 793415 | 33.88% | 1.464% |
| 43 | 12.896 | 1707 | 1712 | 1722 | rVB2 | 256931 | 453624 | 19.37% | 0.837% |
| 44 | 12.990 | 1722 | 1728 | 1732 | rBV5 | 105019 | 182600 | 7.80% | 0.337% |
| 45 | 13.037 | 1732 | 1736 | 1740 | rBV4 | 128554 | 235253 | 10.04% | 0.434% |
| 46 | 13.102 | 1742 | 1747 | 1755 | rVB | 519043 | 821022 | 35.05% | 1.514% |
| 47 | 13.196 | 1759 | 1763 | 1766 | rBV3 | 131372 | 201422 | 8.60% | 0.372% |
| 48 | 13.255 | 1771 | 1773 | 1776 | rVV3 | 123876 | 159078 | 6.79% | 0.293% |
| 49 | 13.325 | 1780 | 1785 | 1792 | rVB | 558011 | 944012 | 40.31% | 1.741% |
| 50 | 13.443 | 1801 | 1805 | 1813 | rVB | 197597 | 340961 | 14.56% | 0.629% |
| 51 | 13.560 | 1814 | 1825 | 1831 | rBV9 | 133350 | 396505 | 16.93% | 0.731% |
| 52 | 13.631 | 1832 | 1837 | 1842 | rVV3 | 233595 | 453405 | 19.36% | 0.836% |
| 53 | 13.807 | 1863 | 1867 | 1873 | rVB6 | 89876 | 171548 | 7.32% | 0.316% |
| 54 | 13.889 | 1874 | 1881 | 1888 | rBV8 | 74423 | 220225 | 9.40% | 0.406% |
| 55 | 13.966 | 1890 | 1894 | 1898 | rVV2 | 142083 | 254247 | 10.86% | 0.469% |
| 56 | 14.013 | 1898 | 1902 | 1909 | rVB7 | 162683 | 349881 | 14.94% | 0.645% |
| 57 | 14.177 | 1922 | 1930 | 1942 | rVB3 | 853293 | 1852749 | 79.11% | 3.418% |
| 58 | 14.330 | 1950 | 1956 | 1962 | rBV5 | 157686 | 288613 | 12.32% | 0.532% |
| 59 | 14.635 | 2004 | 2008 | 2013 | rBV6 | 93932 | 197812 | 8.45% | 0.365% |
| 60 | 14.706 | 2015 | 2020 | 2025 | rVB2 | 190622 | 294282 | 12.56% | 0.543% |
| 61 | 14.835 | 2033 | 2042 | 2050 | rBV3 | 463974 | 943902 | 40.30% | 1.741% |
| 62 | 14.976 | 2060 | 2066 | 2072 | rVV | 1321724 | 1882947 | 80.40% | 3.473% |
| 63 | 15.129 | 2087 | 2092 | 2097 | rBV8 | 63299 | 150051 | 6.41% | 0.277% |
| 64 | 15.223 | 2103 | 2108 | 2117 | rBV5 | 180957 | 468603 | 20.01% | 0.864% |
| 65 | 15.305 | 2117 | 2122 | 2126 | rBV2 | 187228 | 258873 | 11.05% | 0.478% |
| 66 | 15.593 | 2166 | 2171 | 2177 | rVB5 | 140073 | 274008 | 11.70% | 0.505% |
| 67 | 15.652 | 2177 | 2181 | 2184 | rBV2 | 209893 | 261580 | 11.17% | 0.483% |
| 68 | 15.693 | 2184 | 2188 | 2194 | rVB2 | 164170 | 245706 | 10.49% | 0.453% |
| 69 | 15.763 | 2194 | 2200 | 2205 | rBV | 952932 | 1386773 | 59.21% | 2.558% |
| 70 | 15.875 | 2213 | 2219 | 2224 | rVB3 | 139560 | 240903 | 10.29% | 0.444% |
| 71 | 16.251 | 2279 | 2283 | 2287 | rBV4 | 97136 | 160660 | 6.86% | 0.296% |

LSC Area Percent Report

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Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

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-BG102815.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.416 | 2307 | 2311 | 2315 | rBV5 | 71498 | 121860 | 5.20% | 0.225% |
| 73 | 16.510 | 2324 | 2327 | 2330 | rVB | 198296 | 227716 | 9.72% | 0.420% |
| 74 | 16.651 | 2347 | 2351 | 2362 | rVB6 | 227784 | 495361 | 21.15% | 0.914% |
| 75 | 16.856 | 2381 | 2386 | 2394 | rVB5 | 196690 | 419580 | 17.91% | 0.774% |
| 76 | 16.927 | 2394 | 2398 | 2405 | rBV5 | 74103 | 136847 | 5.84% | 0.252% |
| 77 | 17.303 | 2458 | 2462 | 2470 | rVB3 | 274968 | 408721 | 17.45% | 0.754% |
| 78 | 17.579 | 2503 | 2509 | 2513 | rVV | 598179 | 965939 | 41.24% | 1.782% |
| 79 | 17.620 | 2513 | 2516 | 2520 | rVB | 157863 | 208337 | 8.90% | 0.384% |
| 80 | 17.761 | 2535 | 2540 | 2546 | rBV | 479156 | 866048 | 36.98% | 1.598% |
| 81 | 18.043 | 2584 | 2588 | 2598 | rVB | 279706 | 442734 | 18.90% | 0.817% |
| 82 | 18.331 | 2633 | 2637 | 2640 | rBV | 131450 | 168426 | 7.19% | 0.311% |
| 83 | 18.637 | 2685 | 2689 | 2694 | rBV7 | 80626 | 166157 | 7.09% | 0.306% |
| 84 | 18.695 | 2696 | 2699 | 2701 | rVV3 | 131845 | 158505 | 6.77% | 0.292% |
| 85 | 18.731 | 2701 | 2705 | 2713 | rVB | 301859 | 385524 | 16.46% | 0.711% |
| 86 | 19.277 | 2794 | 2798 | 2803 | rVB | 103378 | 138670 | 5.92% | 0.256% |
| 87 | 19.353 | 2808 | 2811 | 2814 | rBV | 411816 | 437103 | 18.66% | 0.806% |
| 88 | 19.900 | 2900 | 2904 | 2906 | rBV2 | 205110 | 238764 | 10.19% | 0.440% |
| 89 | 19.923 | 2906 | 2908 | 2916 | rVB3 | 294422 | 397484 | 16.97% | 0.733% |
| 90 | 20.429 | 2991 | 2994 | 2996 | rBV3 | 107191 | 146111 | 6.24% | 0.270% |
| 91 | 20.452 | 2996 | 2998 | 3006 | rVB | 335849 | 436693 | 18.65% | 0.806% |
| 92 | 20.951 | 3076 | 3083 | 3093 | rVB2 | 948485 | 2091635 | 89.31% | 3.858% |
| 93 | 21.474 | 3167 | 3172 | 3177 | rVB2 | 306000 | 467328 | 19.95% | 0.862% |
| 94 | 21.621 | 3193 | 3197 | 3208 | rVB2 | 286268 | 582379 | 24.87% | 1.074% |
| 95 | 21.868 | 3233 | 3239 | 3246 | rVB | 670468 | 1111822 | 47.47% | 2.051% |
| 96 | 22.027 | 3261 | 3266 | 3276 | rBV3 | 374461 | 910233 | 38.86% | 1.679% |
| 97 | 22.702 | 3376 | 3381 | 3387 | rBV | 361222 | 633912 | 27.07% | 1.169% |
| 98 | 22.896 | 3410 | 3414 | 3422 | rVB | 141265 | 268965 | 11.48% | 0.496% |
| 99 | 24.324 | 3653 | 3657 | 3667 | rVB4 | 171969 | 389112 | 16.61% | 0.718% |
| 100 | 25.258 | 3807 | 3816 | 3827 | rVB2 | 351992 | 1050219 | 44.84% | 1.937% |

Sum of corrected areas: 54212196

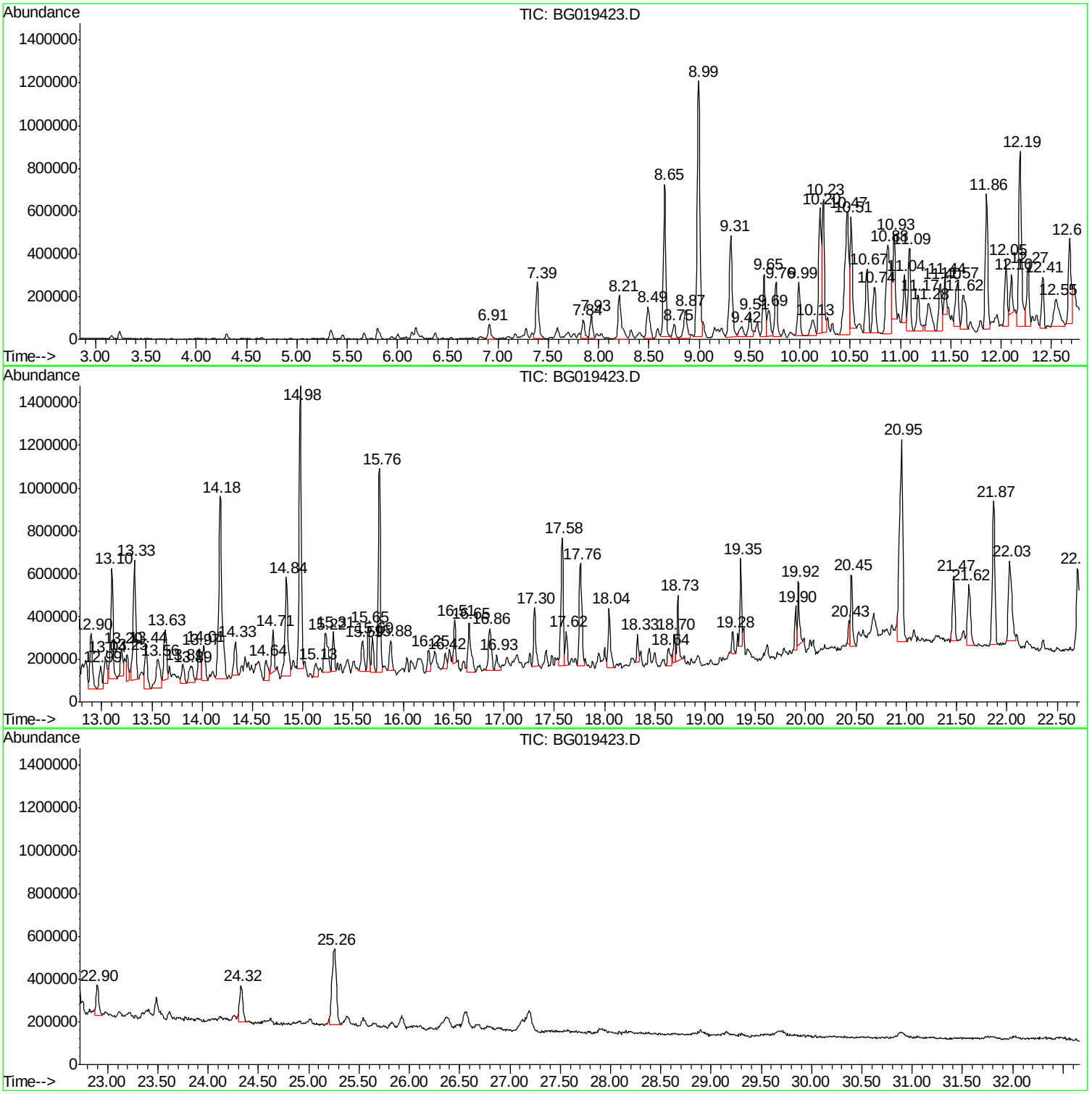
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

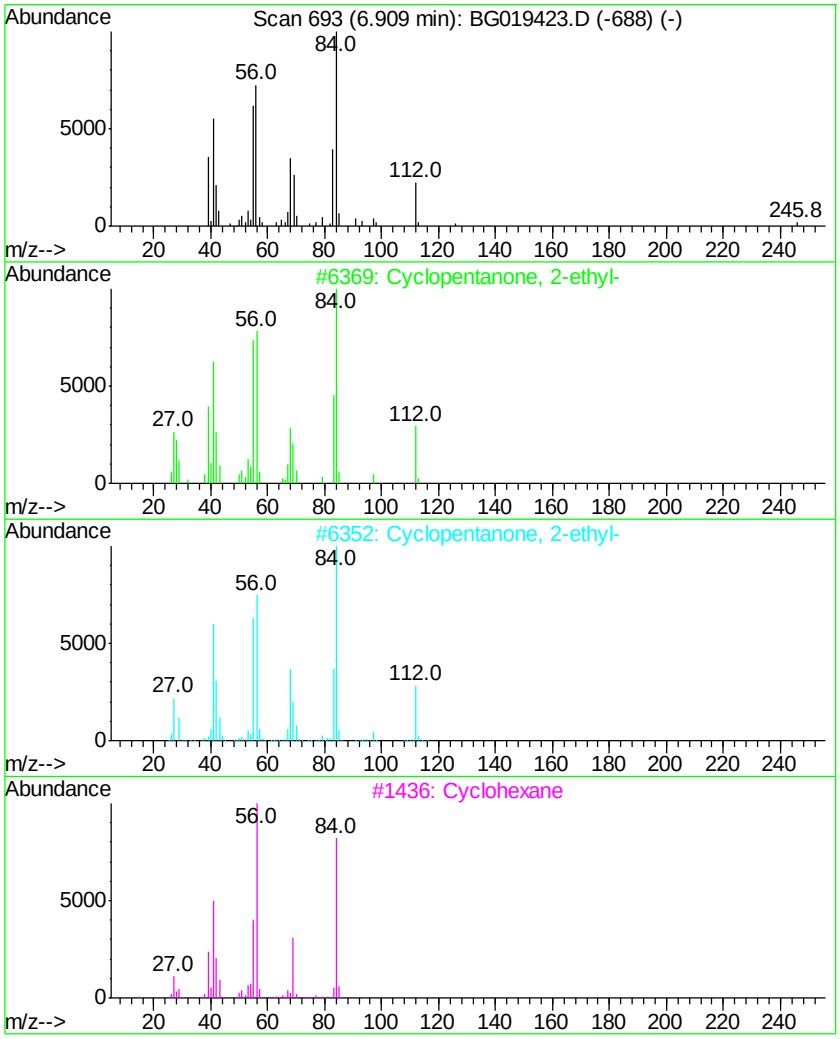
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

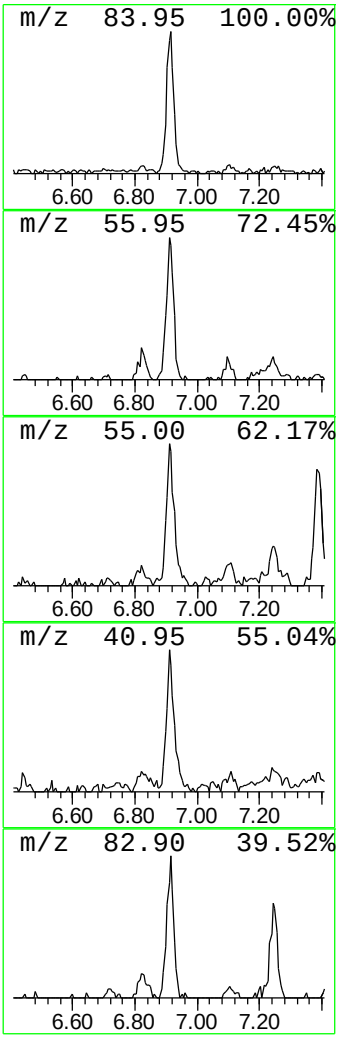
**********

Peak Number 1 Cyclopentanone, 2-ethyl- Concentration Rank 56

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.91 | 5.44 ng/ul | 134614 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanone, 2-ethyl- | 112 | C7H12O | 004971-18-0 | 94 |
| 2 | Cyclopentanone, 2-ethyl- | 112 | C7H12O | 004971-18-0 | 93 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 53 |
| 4 | Furan, 2,5-dihydro-3-methyl- | 84 | C5H8O | 001708-31-2 | 50 |
| 5 | Cyclopentanone | 84 | C5H8O | 000120-92-3 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

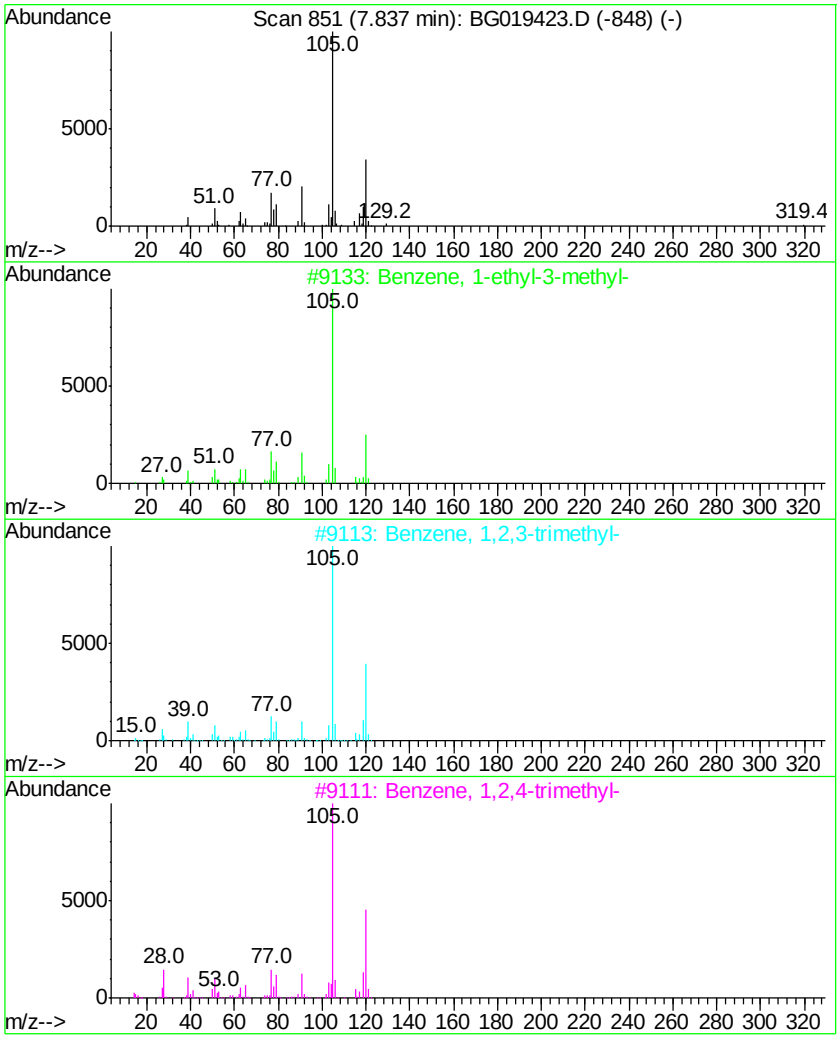
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

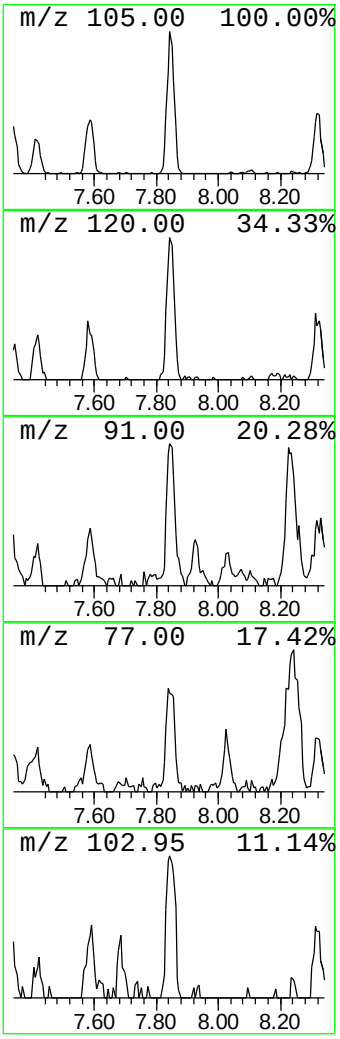
**********

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.84 | 6.64 ng/ul | 164345 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

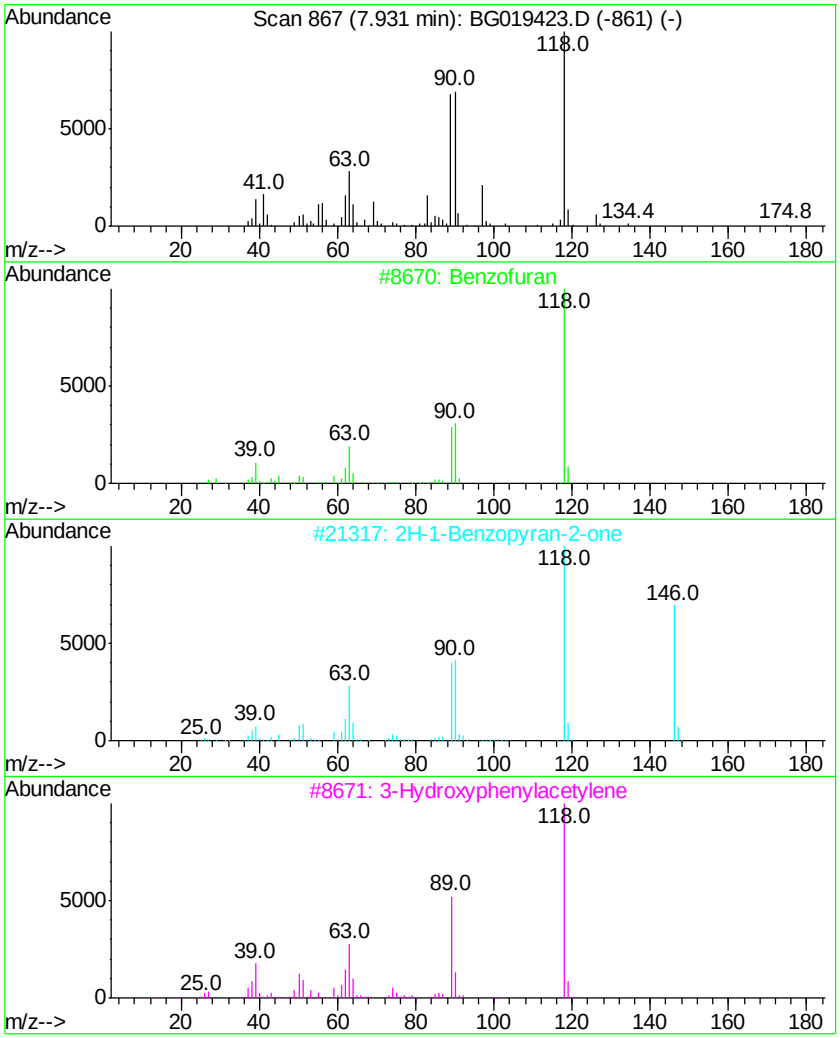
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

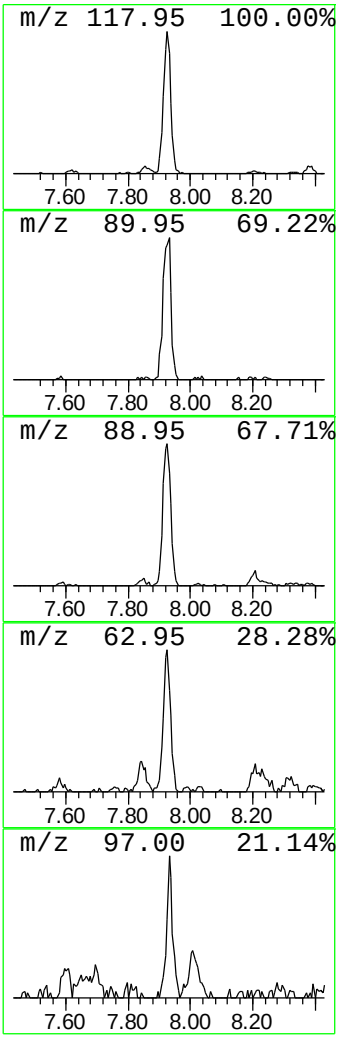
**********

Peak Number 3 Benzofuran Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.93 | 7.79 ng/ul | 192777 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran | 118 | C8H6O | 000271-89-6 | 86 |
| 2 | 2H-1-Benzopyran-2-one | 146 | C9H6O2 | 000091-64-5 | 78 |
| 3 | 3-Hydroxyphenylacetylene | 118 | C8H6O | 010401-11-3 | 72 |
| 4 | 4-Methylphthalic anhydride | 162 | C9H6O3 | 019438-61-0 | 64 |
| 5 | Benzocyclobuten-1(2H)-one | 118 | C8H6O | 003469-06-5 | 59 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

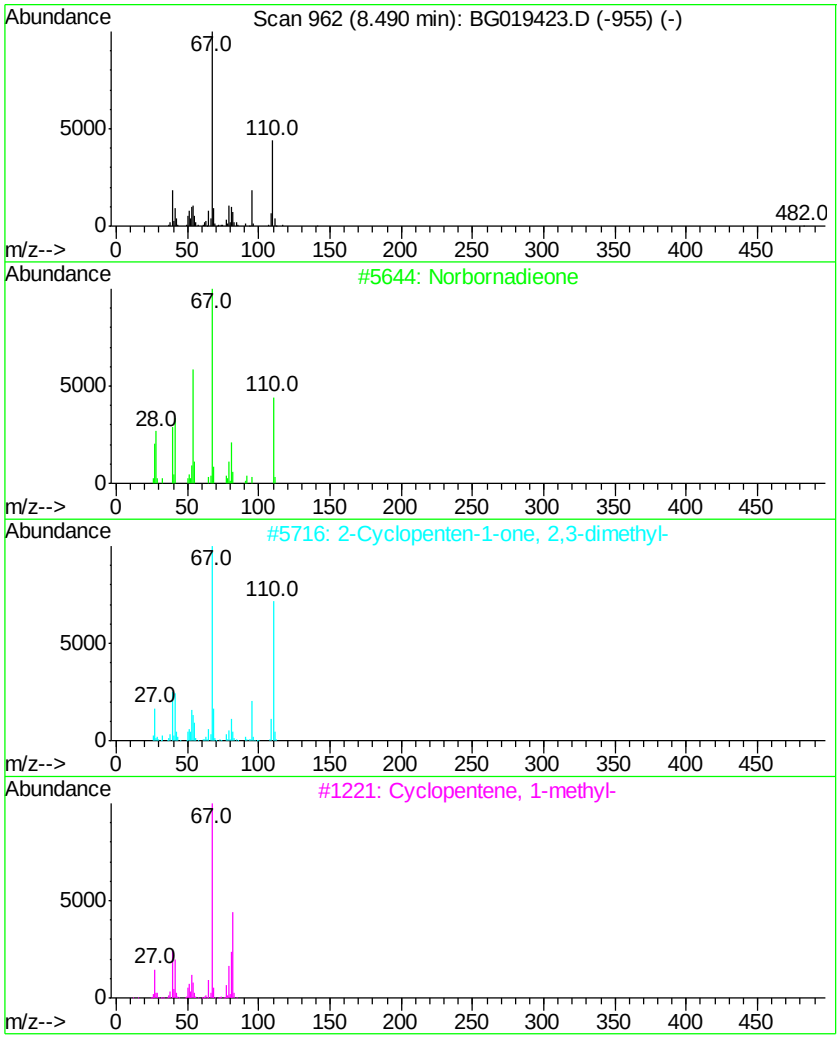
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

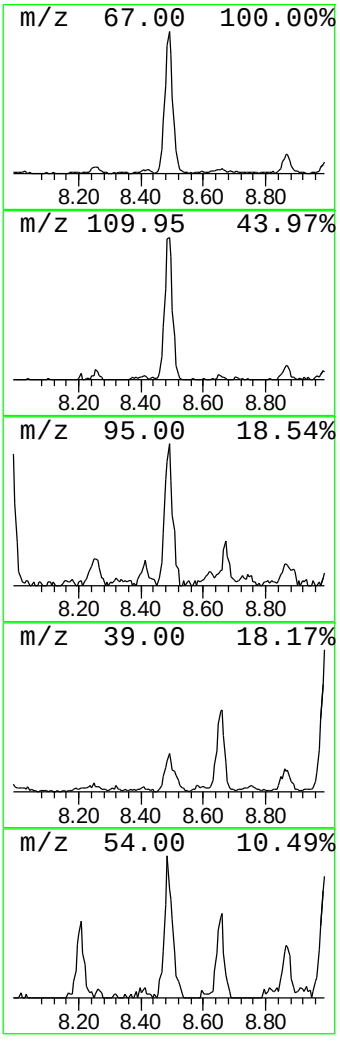
**********

Peak Number 4 Norbornadieone Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.49 | 13.94 ng/ul | 344781 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Norbornadieone | 110 | C7H10O | 010218-02-7 | 83 |
| 2 | 2-Cyclopenten-1-one, 2,3-dimethyl- | 110 | C7H10O | 001121-05-7 | 58 |
| 3 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 55 |
| 4 | 3,4-Nonadiene | 124 | C9H16 | 037050-03-6 | 50 |
| 5 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 47 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

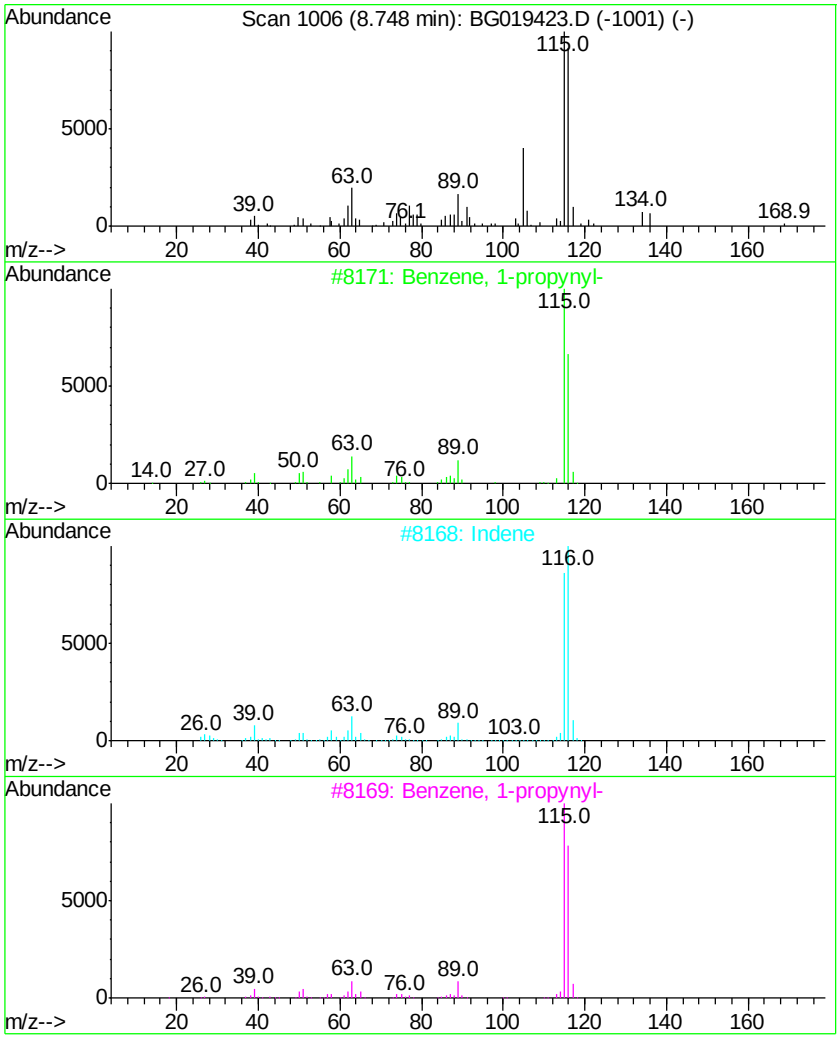
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

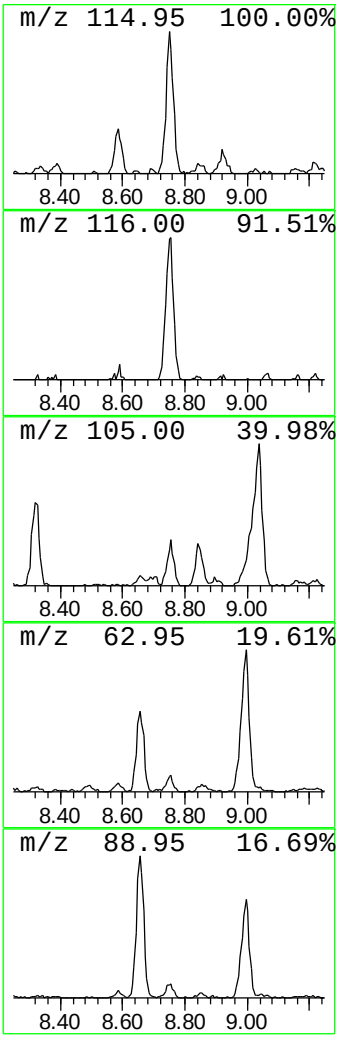
**********

Peak Number 5 Benzene, 1-propynyl- Concentration Rank 62

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.75 | 4.79 ng/ul | 118457 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 95 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 91 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 4 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |
| 5 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

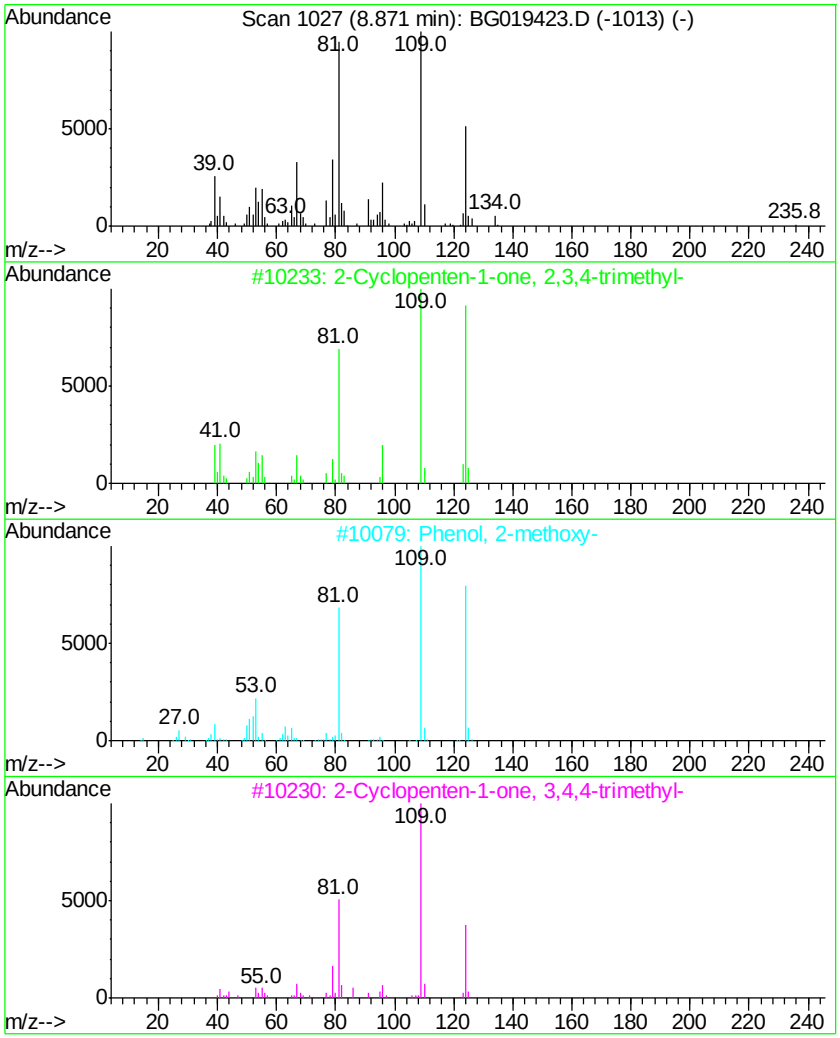
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

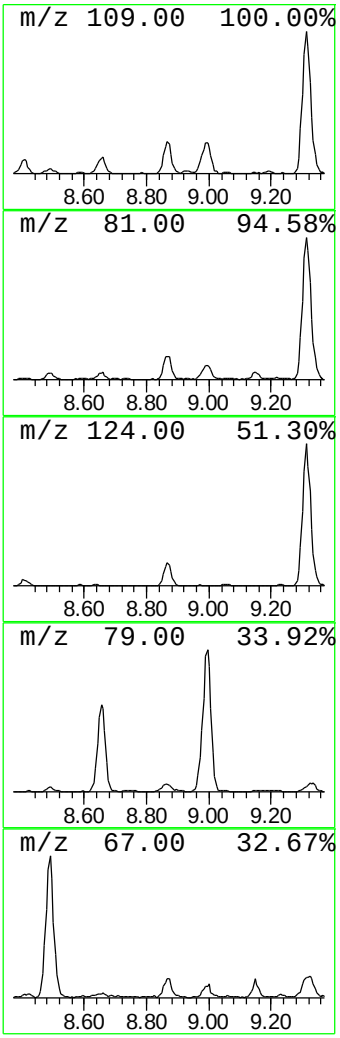
**********

Peak Number 6 2-Cyclopenten-1-one, 2,3,4-... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.87 | 12.78 ng/ul | 316160 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O | 028790-86-5 | 93 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 76 |
| 3 | 2-Cyclopenten-1-one, 3,4,4-trime... | 124 | C8H12O | 030434-65-2 | 76 |
| 4 | Cyclopent-2-ene-1-one, 2,3,4-tri... | 124 | C8H12O | 083321-16-8 | 72 |
| 5 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

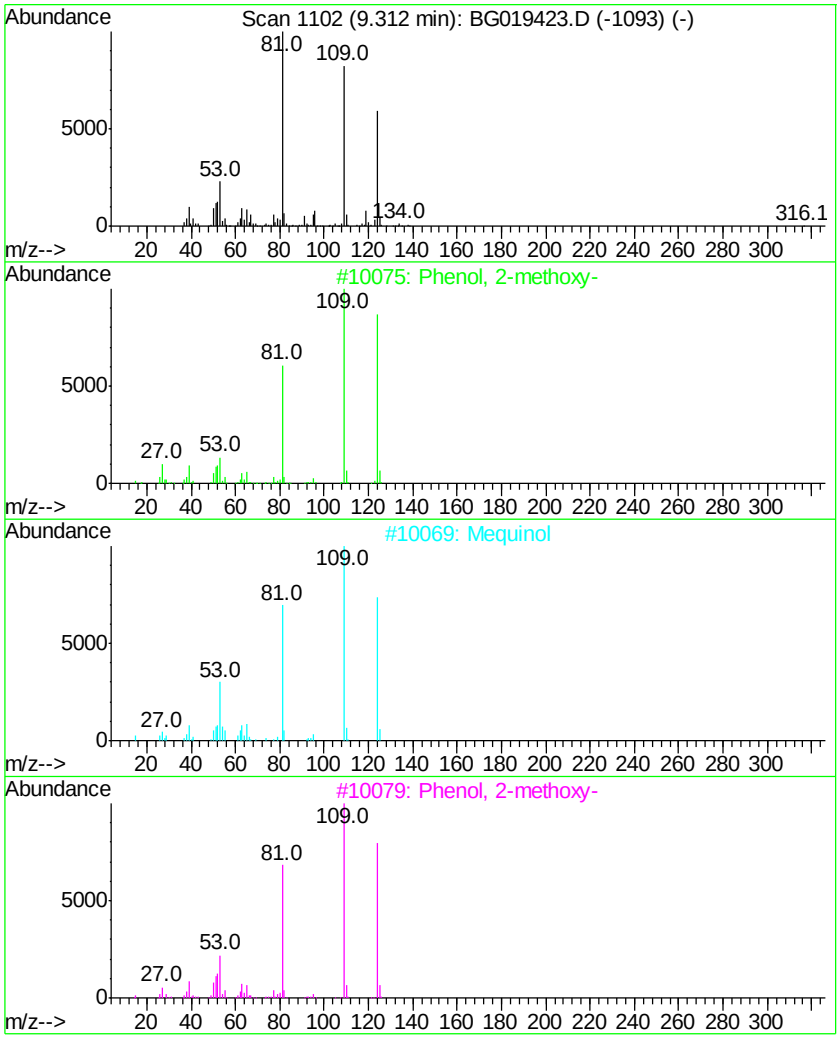
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

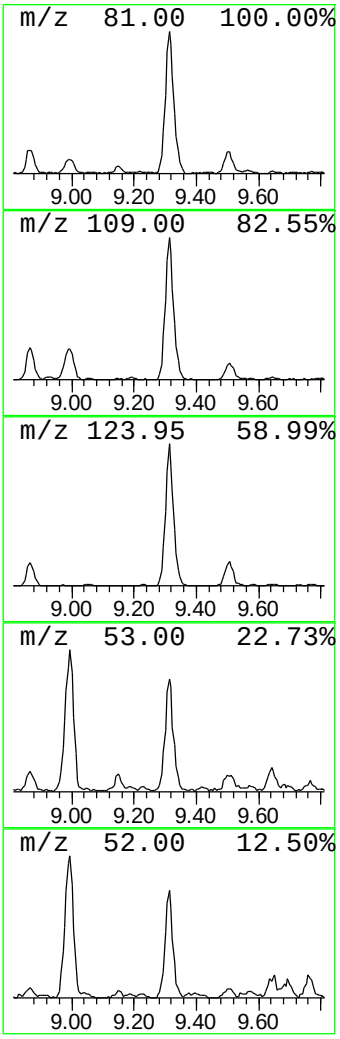
**********

Peak Number 7 Phenol, 2-methoxy- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.31 | 41.51 ng/ul | 1026730 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 94 |
| 2 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 91 |
| 3 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 91 |
| 4 | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O | 028790-86-5 | 90 |
| 5 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 60 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

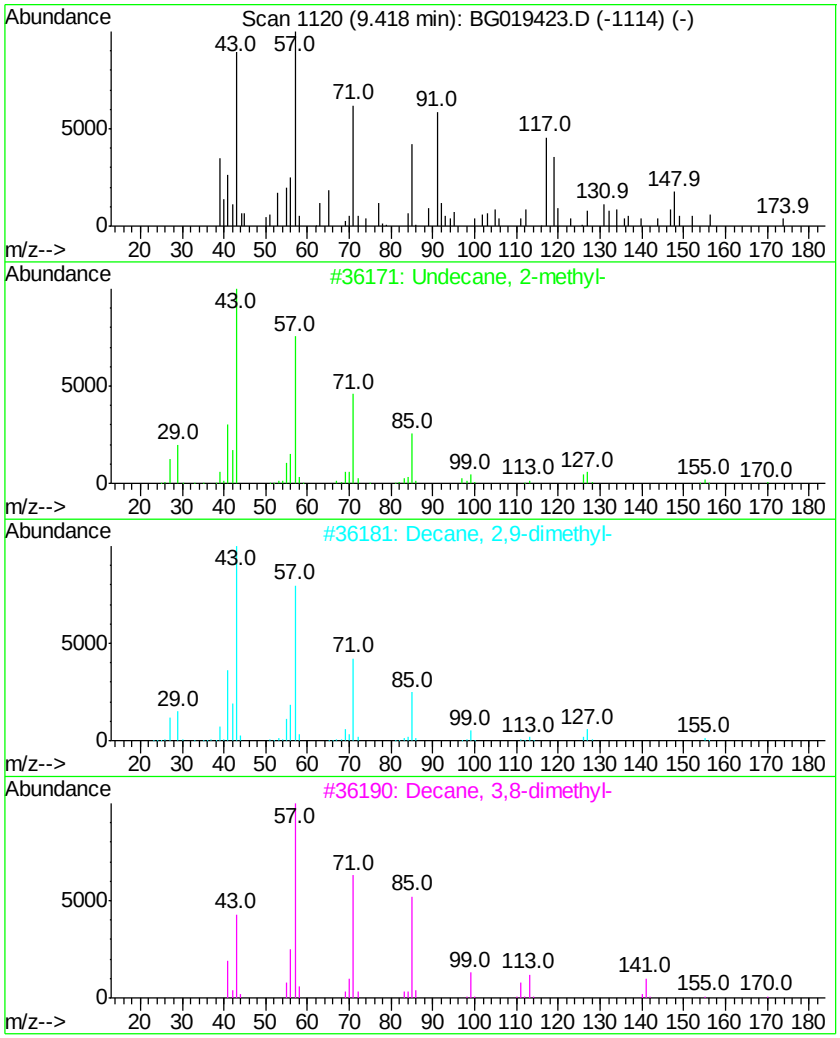
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

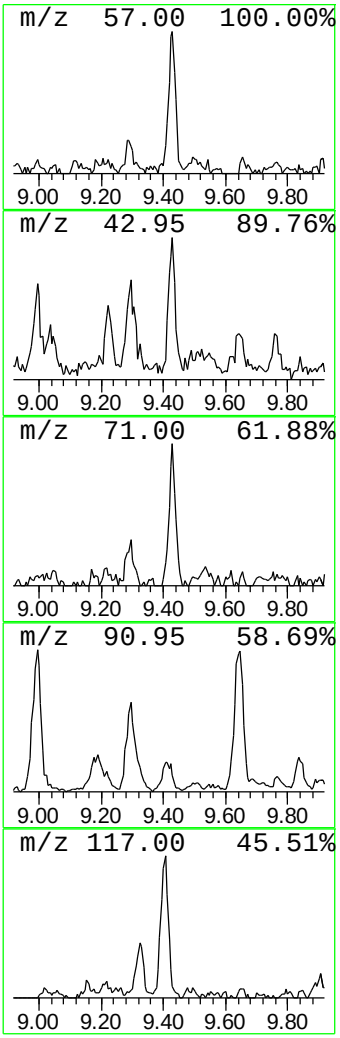
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.42 | 5.43 ng/ul | 134324 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 53 |
| 2 | Decane, 2,9-dimethyl- | 170 | C12H26 | 001002-17-1 | 53 |
| 3 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 50 |
| 4 | Nonane, 3-methyl-5-propyl- | 184 | C13H28 | 031081-18-2 | 50 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 50 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

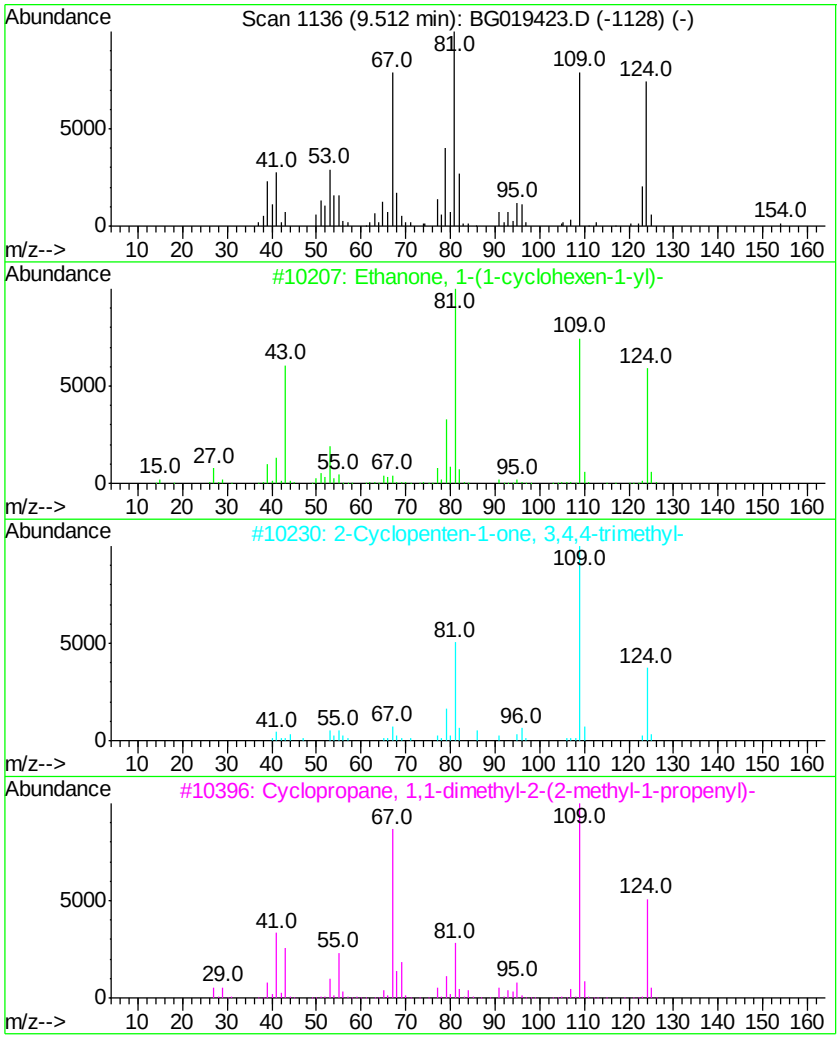
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

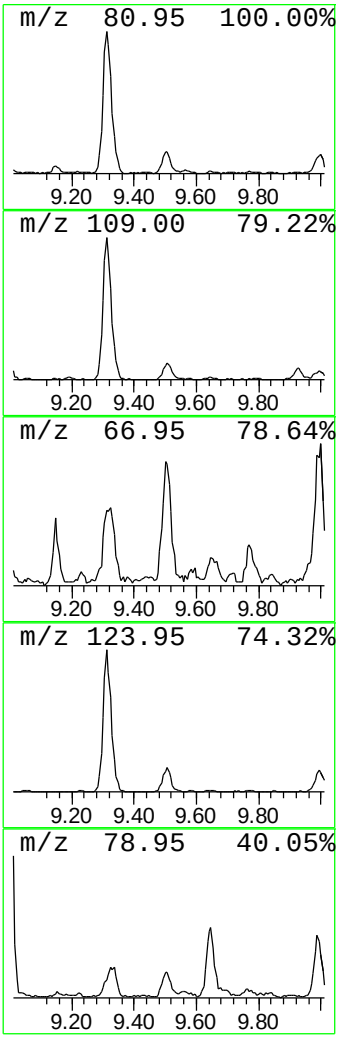
**********

Peak Number 9 Ethanone, 1-(1-cyclohexen-1... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.51 | 9.31 ng/ul | 230350 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O | 000932-66-1 | 68 |
| 2 | 2-Cyclopenten-1-one, 3,4,4-trime... | 124 | C8H12O | 030434-65-2 | 64 |
| 3 | Cyclopropane, 1,1-dimethyl-2-(2-... | 124 | C9H16 | 033422-32-1 | 38 |
| 4 | Cyclopropane, 1-methyl-1-isoprop... | 96 | C7H12 | 003422-07-9 | 30 |
| 5 | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O | 028790-86-5 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

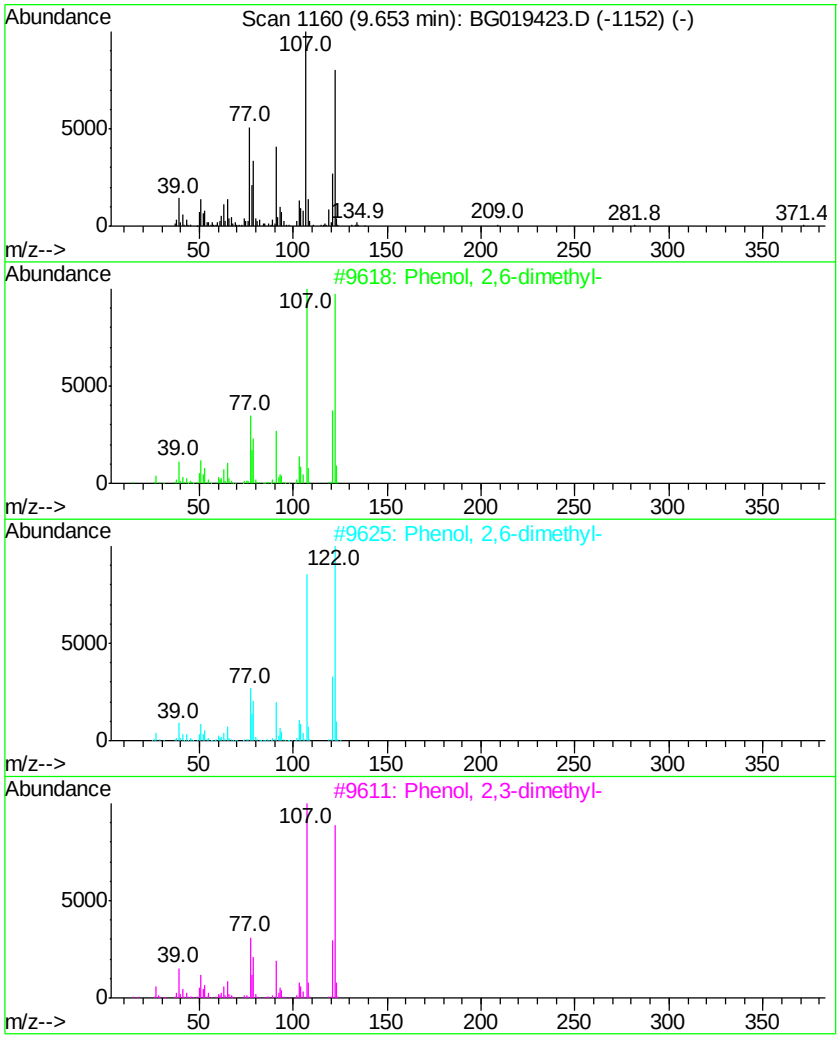
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

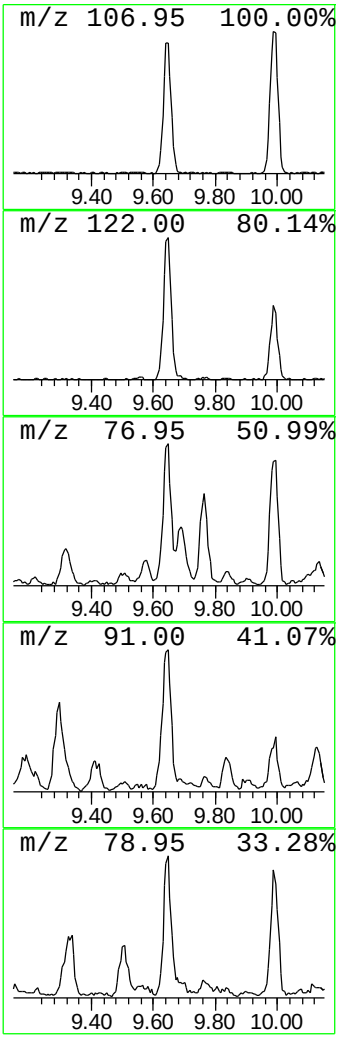
**********

Peak Number 10 Phenol, 2,6-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.65 | 30.72 ng/ul | 551087 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 96 |
| 2 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 96 |
| 3 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 96 |
| 4 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 94 |
| 5 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 94 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

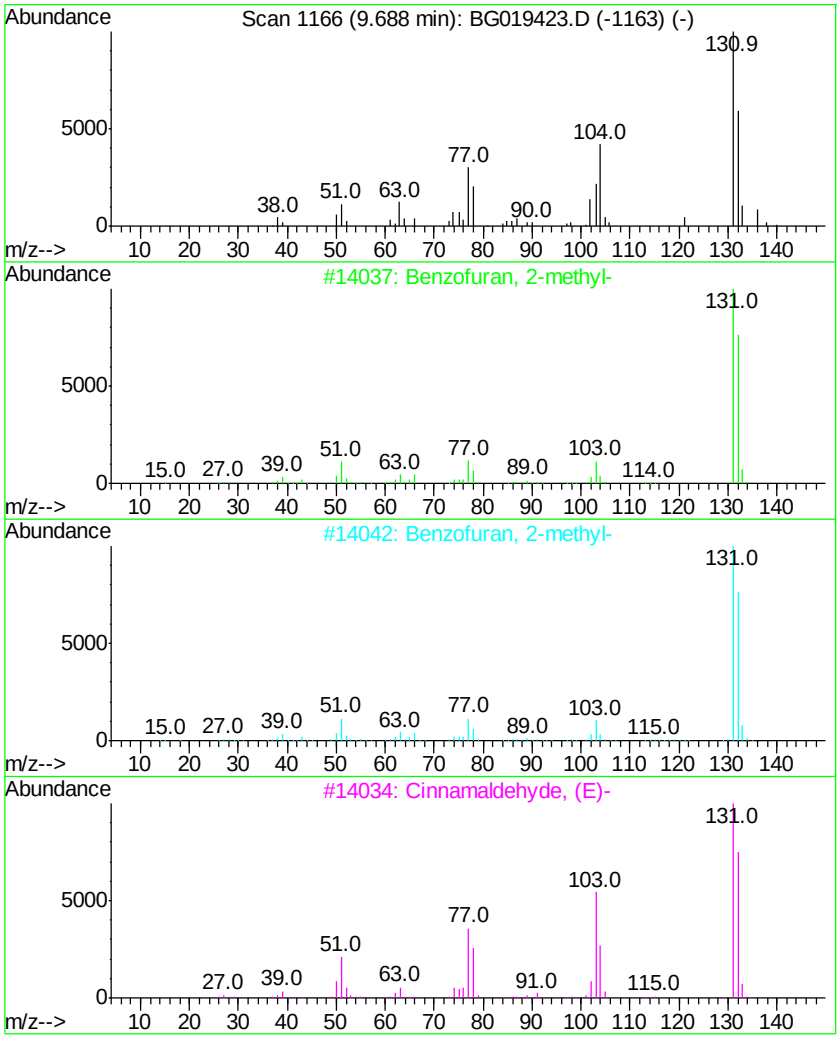
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

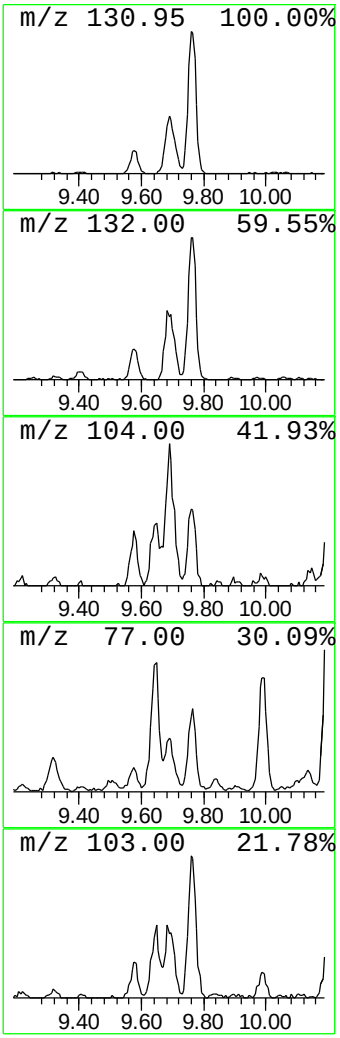
**********

Peak Number 11 Benzofuran, 2-methyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.69 | 14.24 ng/ul | 255511 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 76 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 76 |
| 3 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 76 |
| 4 | Benzene, (2-propynyloxy)- | 132 | C9H8O | 013610-02-1 | 74 |
| 5 | Benzopyrimidine, 3,4-dihydro- | 132 | C8H8N2 | 001904-64-9 | 74 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

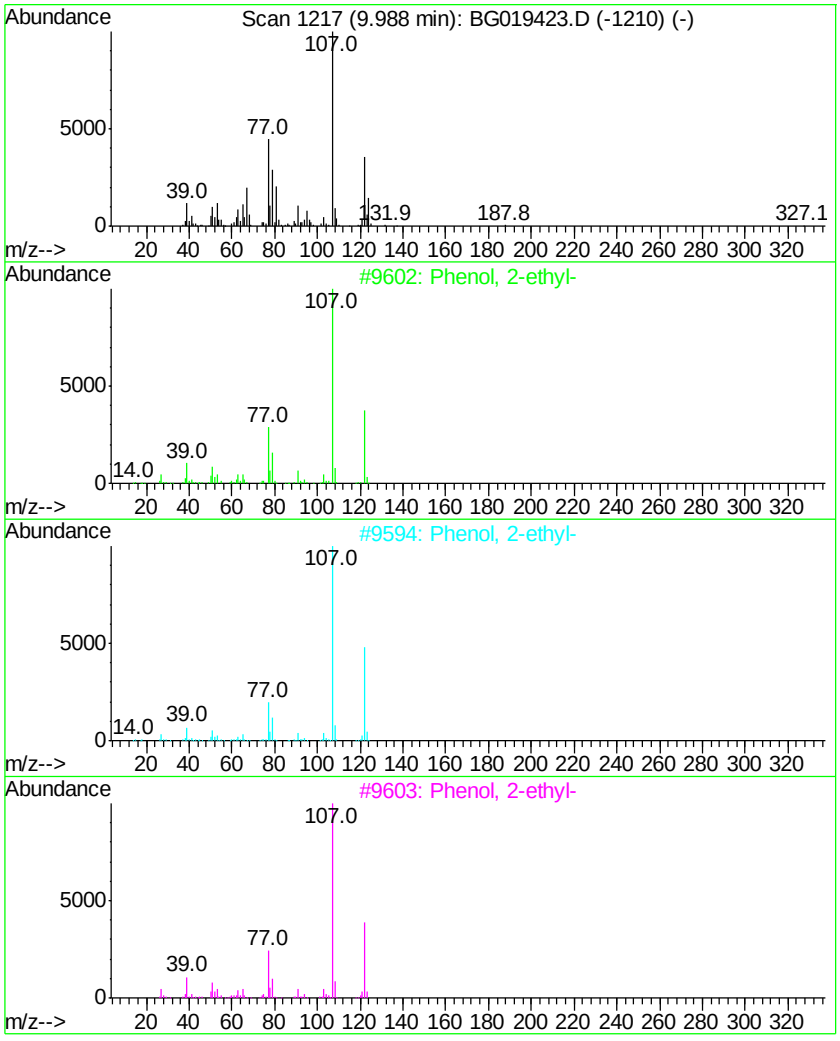
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

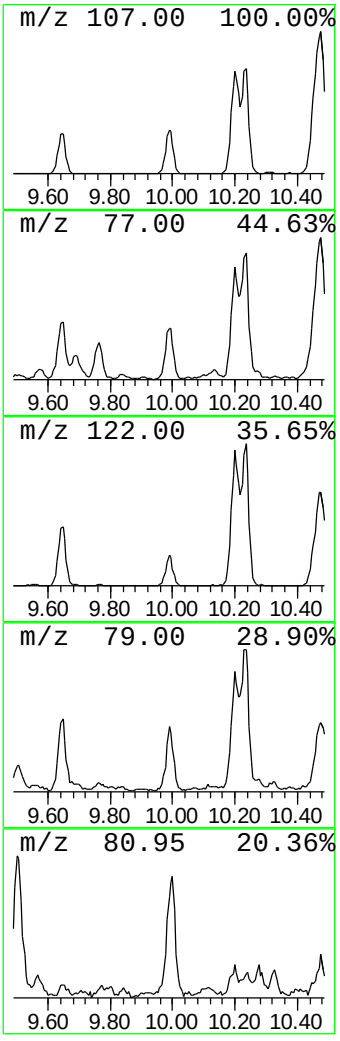
**********

Peak Number 13 Phenol, 2-ethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.99 | 24.60 ng/ul | 441428 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 93 |
| 2 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 81 |
| 3 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 81 |
| 4 | Phenol, 3,4-dimethyl- | 122 | C8H10O | 000095-65-8 | 76 |
| 5 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

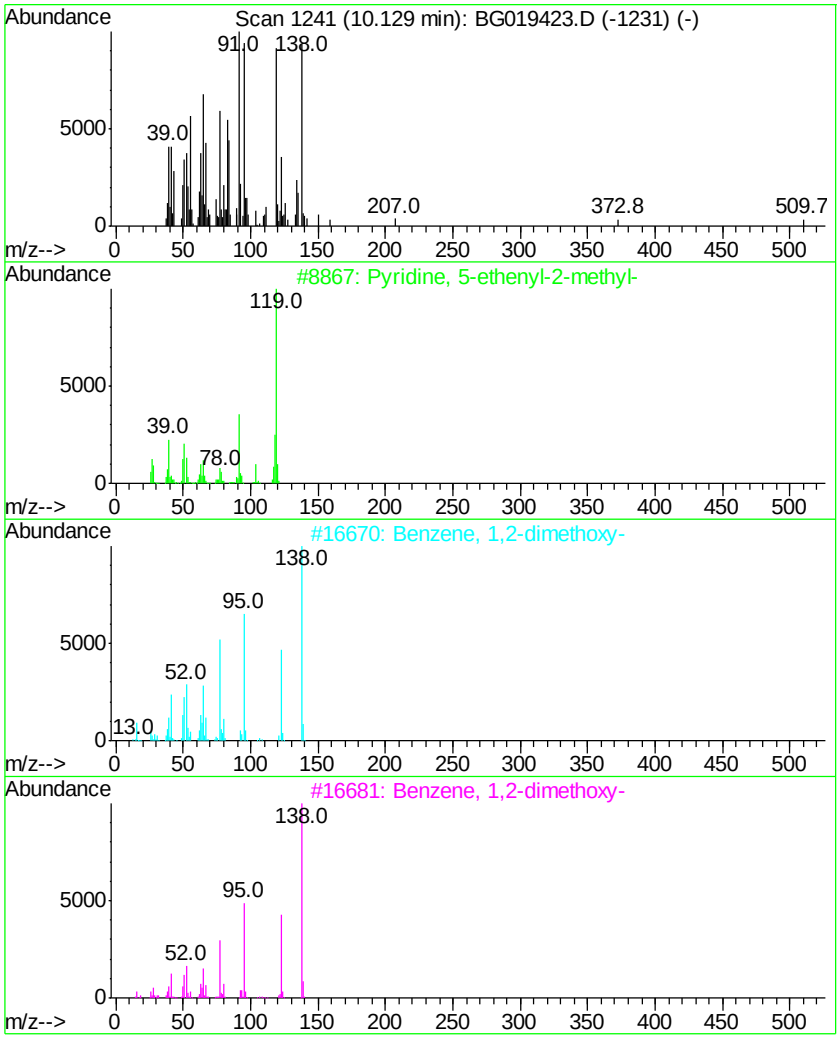
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

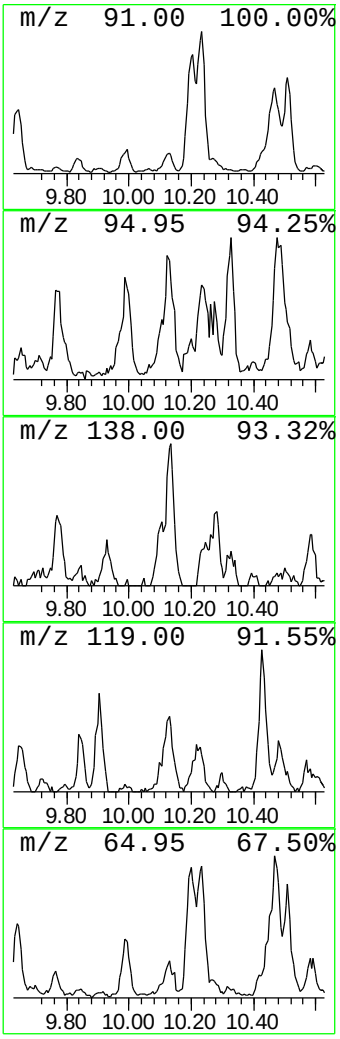
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.13 | 11.66 ng/ul | 209252 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyridine, 5-ethenyl-2-methyl- | 119 | C8H9N | 000140-76-1 | 47 |
| 2 | Benzene, 1,2-dimethoxy- | 138 | C8H10O2 | 000091-16-7 | 46 |
| 3 | Benzene, 1,2-dimethoxy- | 138 | C8H10O2 | 000091-16-7 | 46 |
| 4 | p-Nitroaniline | 138 | C6H6N2O2 | 000100-01-6 | 38 |
| 5 | m-Nitroaniline | 138 | C6H6N2O2 | 000099-09-2 | 30 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

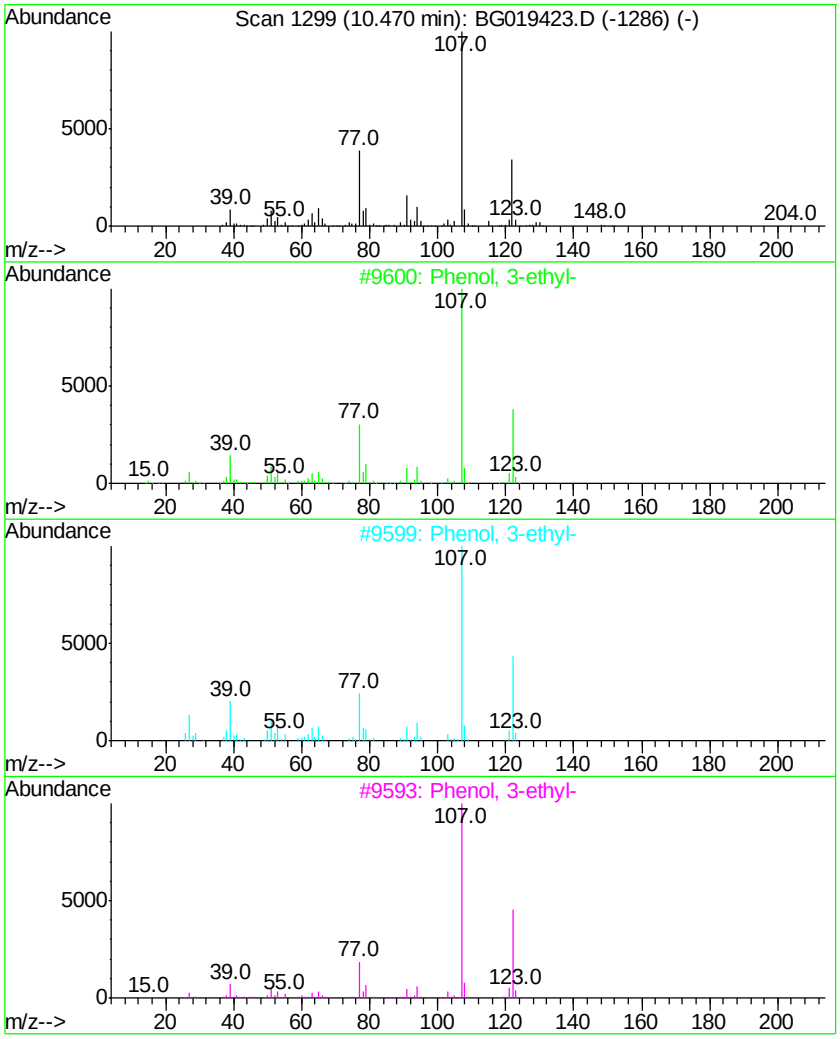
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

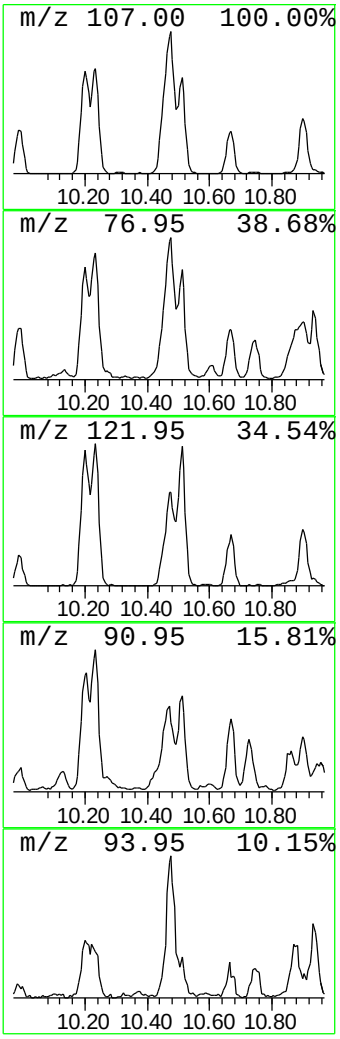
**********

Peak Number 15 Phenol, 3-ethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.47 | 89.87 ng/ul | 1612260 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 91 |
| 2 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 87 |
| 3 | Phenol, 3-ethyl- | 122 | C8H10O | 000620-17-7 | 86 |
| 4 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 83 |
| 5 | Phenol, 3,4-dimethyl- | 122 | C8H10O | 000095-65-8 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

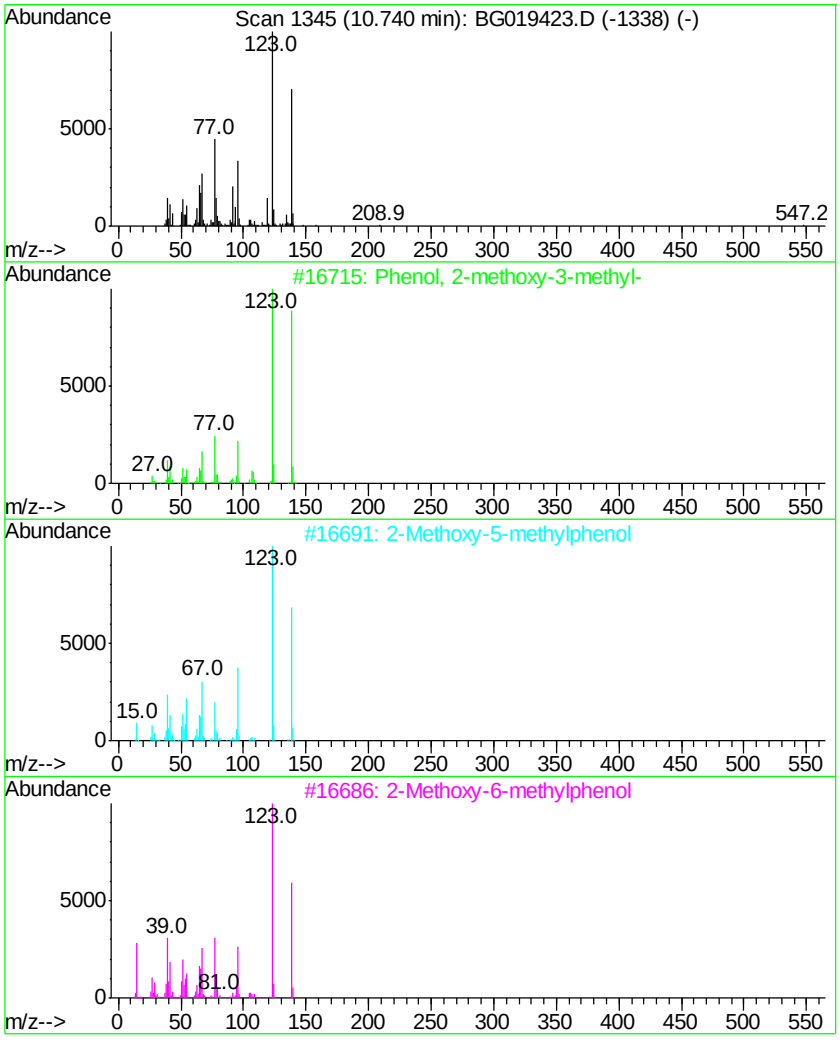
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

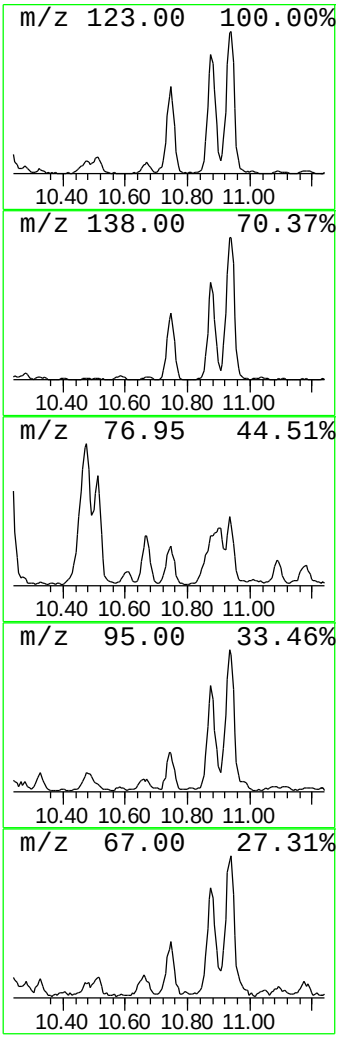
**********

Peak Number 17 Phenol, 2-methoxy-3-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.74 | 25.34 ng/ul | 454583 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy-3-methyl- | 138 | C8H10O2 | 018102-31-3 | 87 |
| 2 | 2-Methoxy-5-methylphenol | 138 | C8H10O2 | 001195-09-1 | 81 |
| 3 | 2-Methoxy-6-methylphenol | 138 | C8H10O2 | 002896-67-5 | 81 |
| 4 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 62 |
| 5 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 53 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

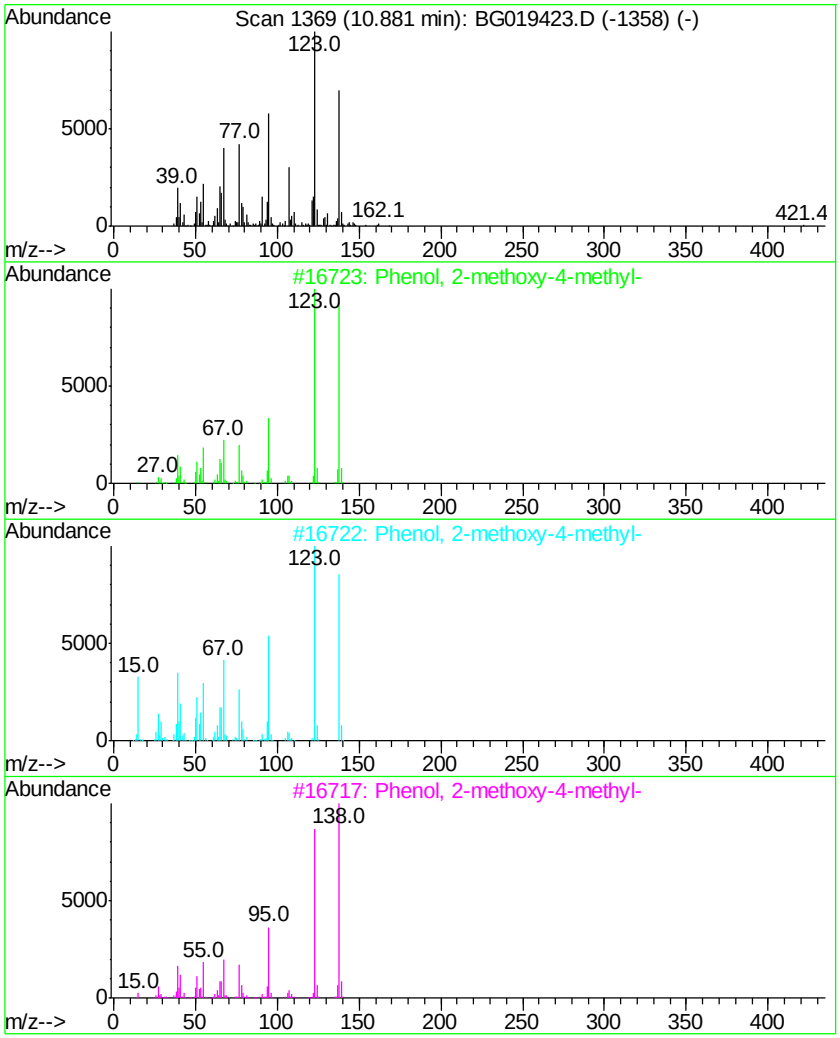
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

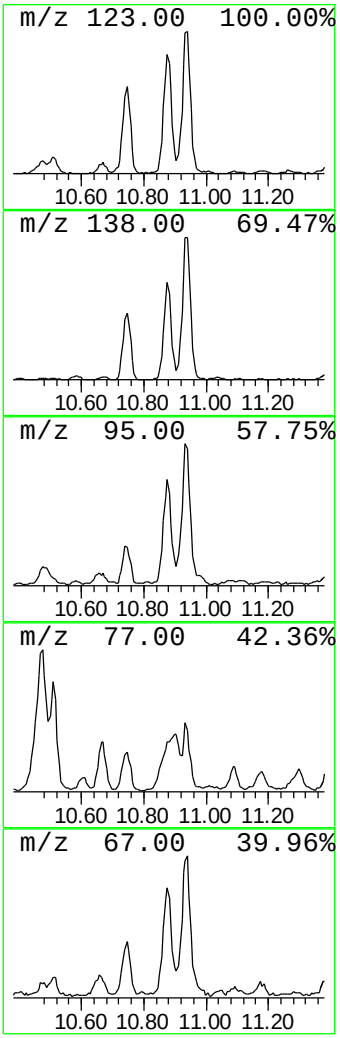
**********

Peak Number 18 Phenol, 2-methoxy-4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.88 | 75.46 ng/ul | 1353860 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 94 |
| 2 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 87 |
| 3 | Phenol, 2-methoxy-4-methyl- | 138 | C8H10O2 | 000093-51-6 | 87 |
| 4 | 2-Methoxy-5-methylphenol | 138 | C8H10O2 | 001195-09-1 | 87 |
| 5 | 2-Methoxy-5-methylphenol | 138 | C8H10O2 | 001195-09-1 | 81 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

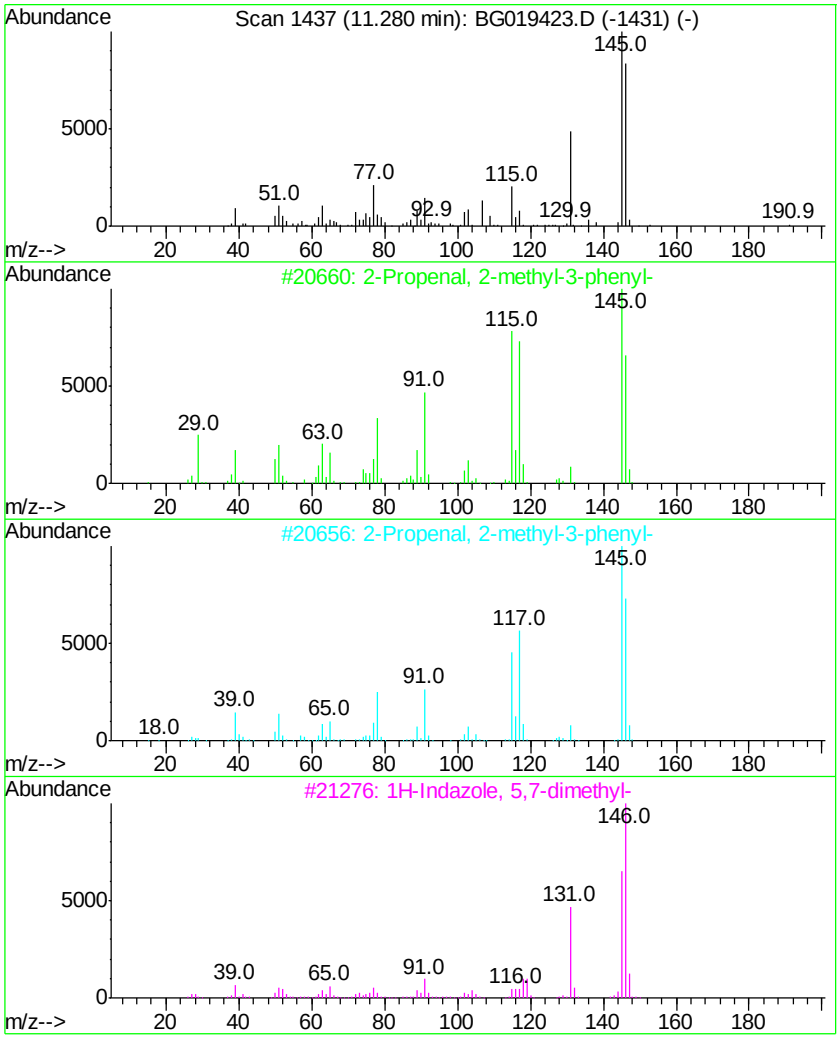
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

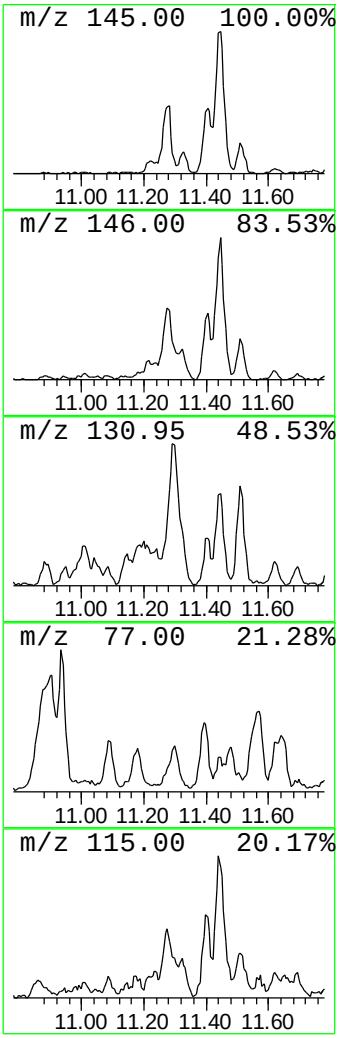
**********

Peak Number 20 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.28 | 23.57 ng/ul | 422893 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 53 |
| 2 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 52 |
| 3 | 1H-Indazole, 5,7-dimethyl- | 146 | C9H10N2 | 043067-41-0 | 47 |
| 4 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 38 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

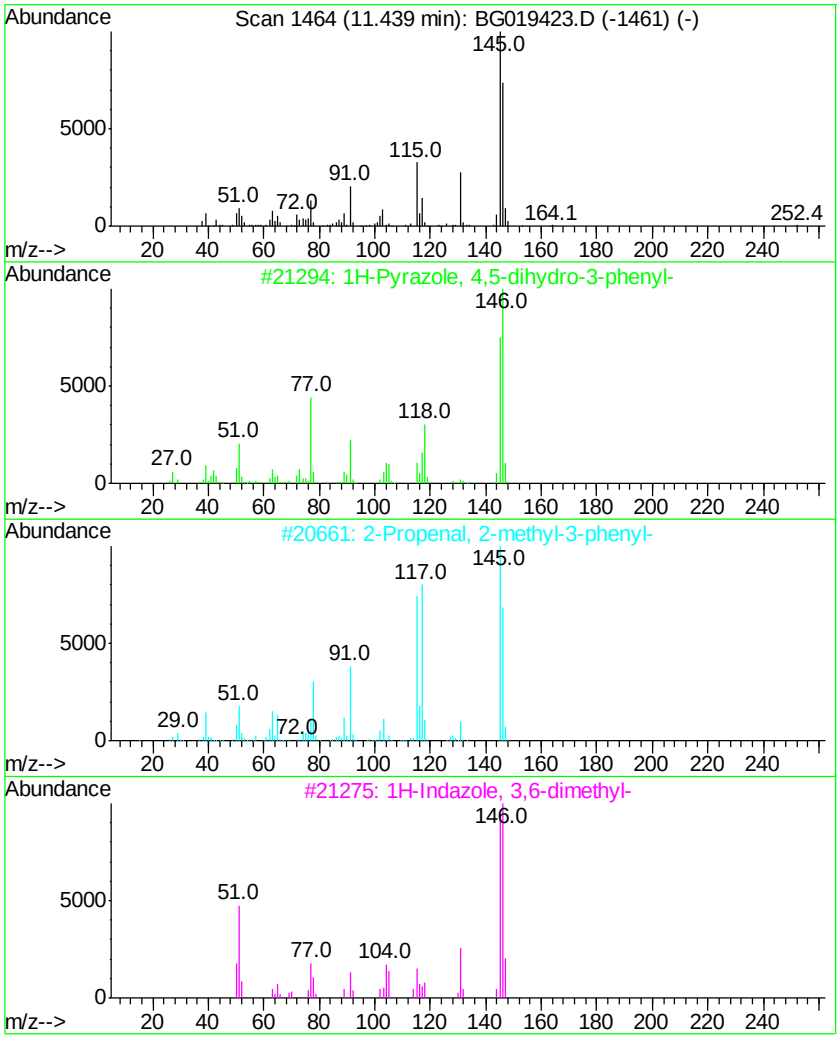
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

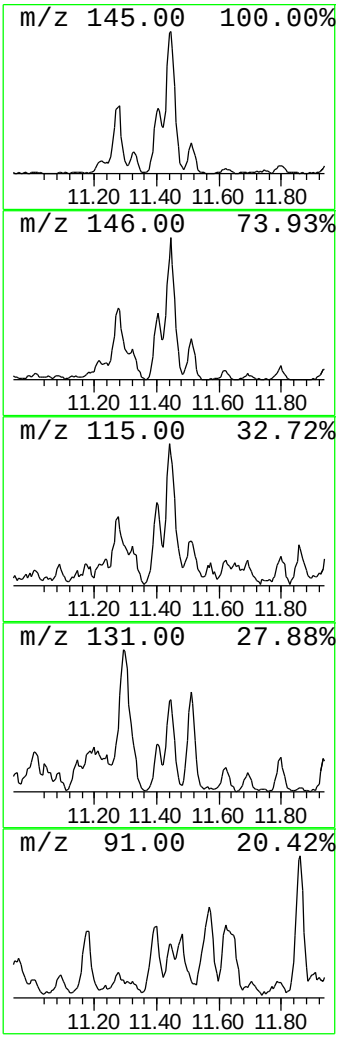
**********

Peak Number 22 1H-Pyrazole, 4,5-dihydro-3-... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.44 | 14.43 ng/ul | 258843 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrazole, 4,5-dihydro-3-phenyl- | 146 | C9H10N2 | 000936-48-1 | 80 |
| 2 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 80 |
| 3 | 1H-Indazole, 3,6-dimethyl- | 146 | C9H10N2 | 007746-28-3 | 72 |
| 4 | Cinnoline, 1,2-dihydro-2-methyl- | 146 | C9H10N2 | 054063-10-4 | 72 |
| 5 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 59 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

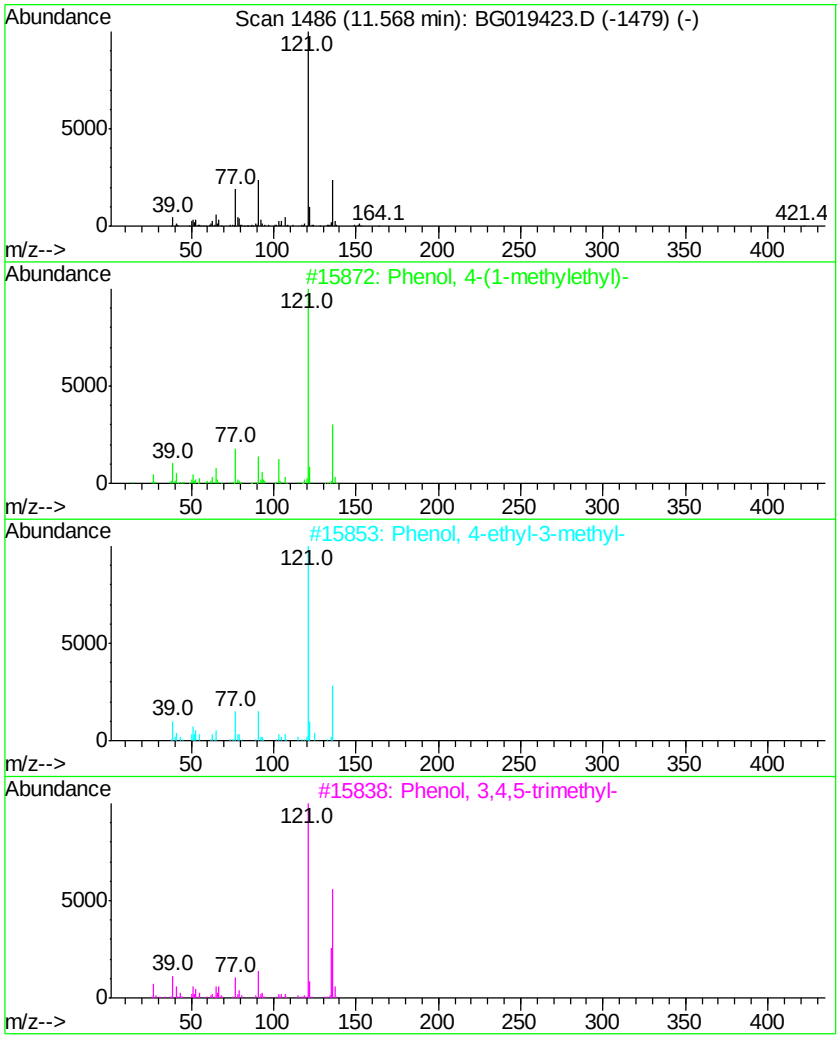
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

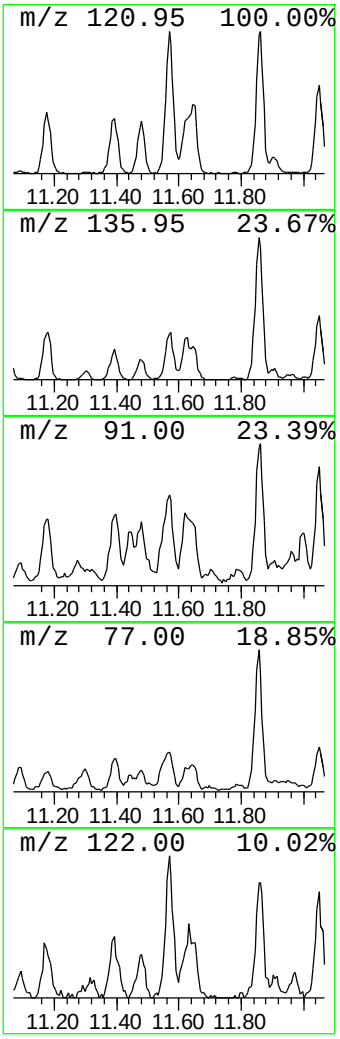
**********

Peak Number 23 Phenol, 4-(1-methylethyl)- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 26.65 ng/ul | 478041 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1-methylethyl)- | 136 | C9H12O | 000099-89-8 | 90 |
| 2 | Phenol, 4-ethyl-3-methyl- | 136 | C9H12O | 001123-94-0 | 90 |
| 3 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 90 |
| 4 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 86 |
| 5 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 83 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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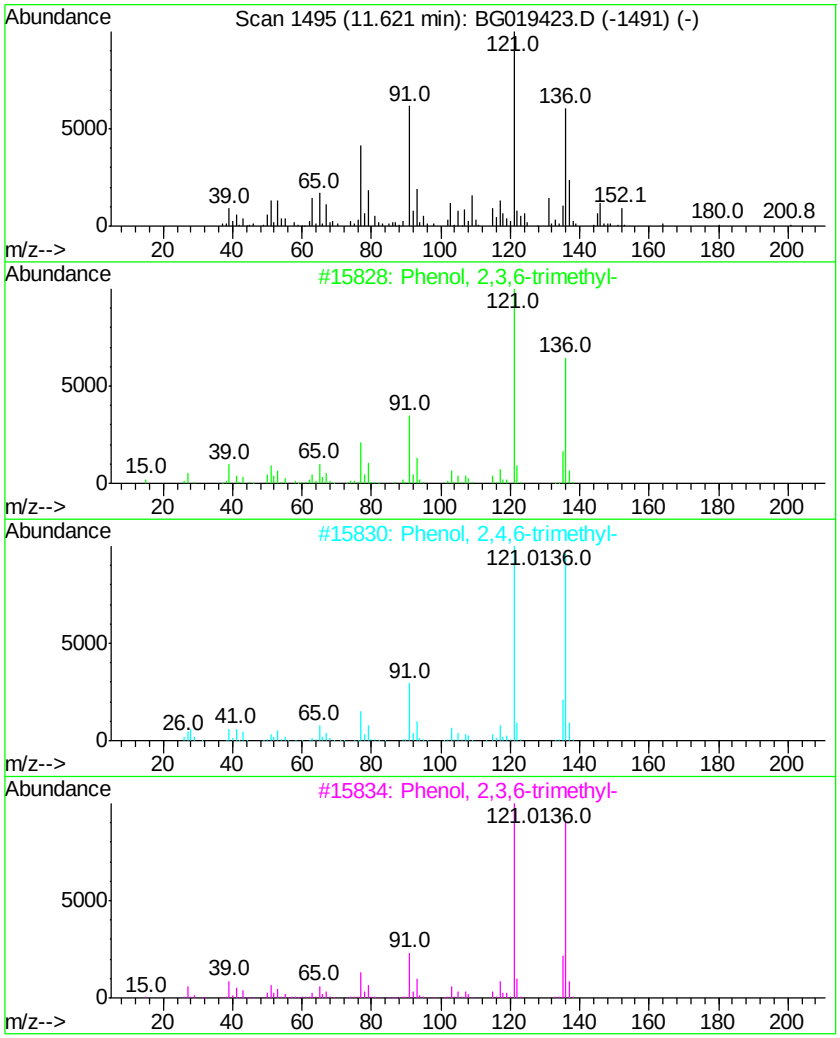
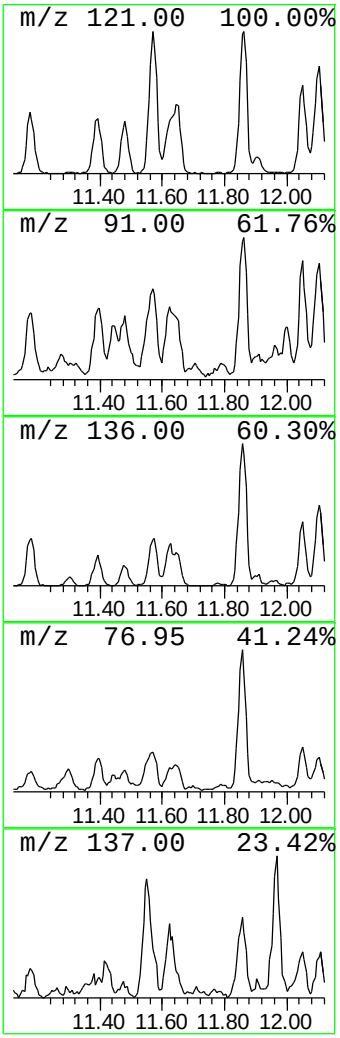
Peak Number 24 Phenol, 2,3,6-trimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 23.30 ng/ul | 418074 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 76 |
| 2 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 76 |
| 3 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 76 |
| 4 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 76 |
| 5 | 2,5-Dimethylanisole | 136 | C9H12O | 001706-11-2 | 70 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

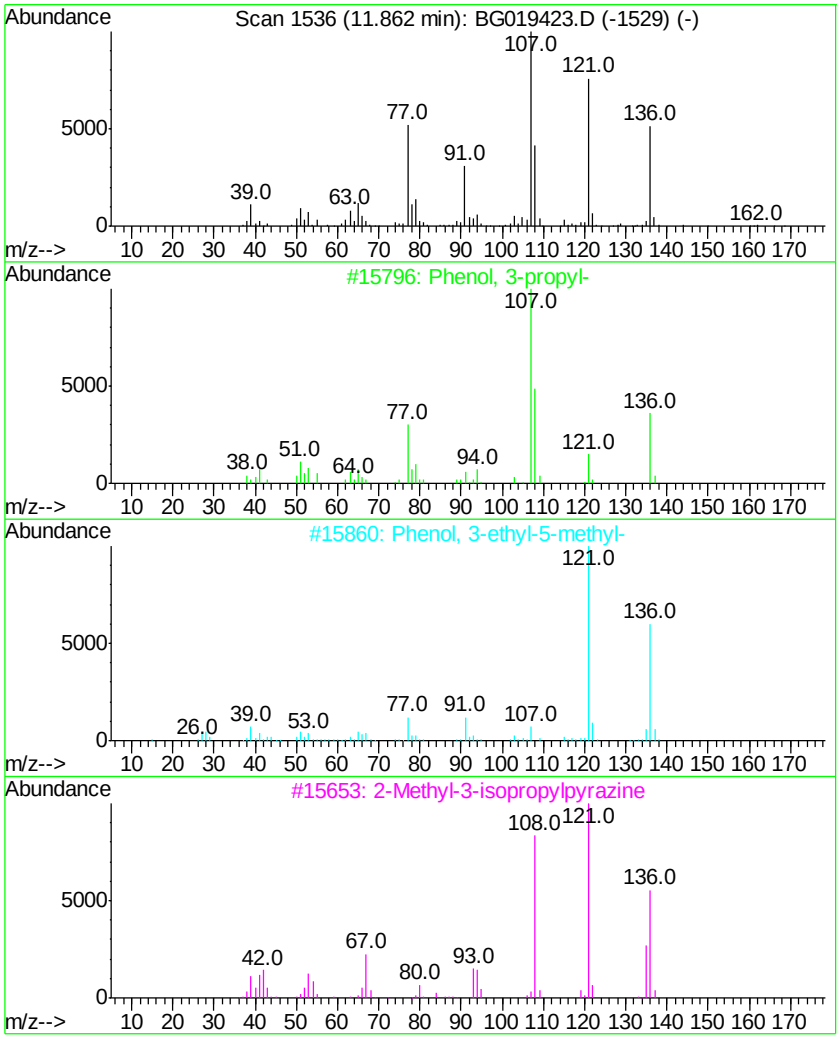
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

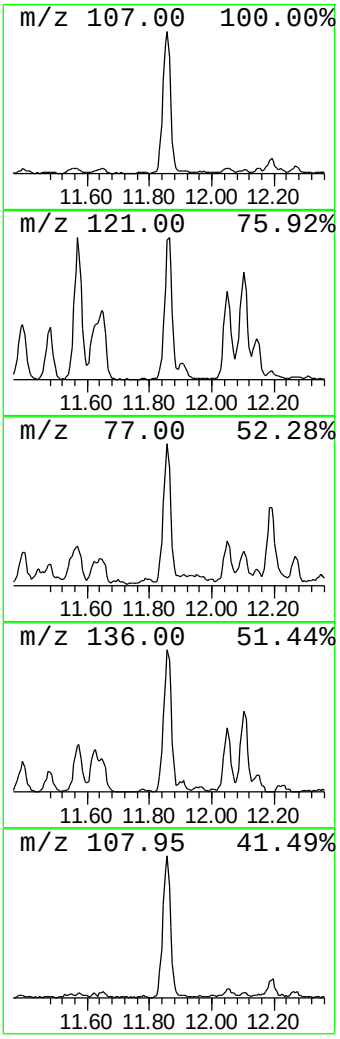
**********

Peak Number 25 Phenol, 3-propyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.86 | 59.70 ng/ul | 1071140 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-propyl- | 136 | C9H12O | 000621-27-2 | 64 |
| 2 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 46 |
| 3 | 2-Methyl-3-isopropylpyrazine | 136 | C8H12N2 | 015986-81-9 | 38 |
| 4 | 2,4-Dimethylanisole | 136 | C9H12O | 006738-23-4 | 30 |
| 5 | Pyrazine, 2-methyl-5-(1-methylet... | 136 | C8H12N2 | 013925-05-8 | 25 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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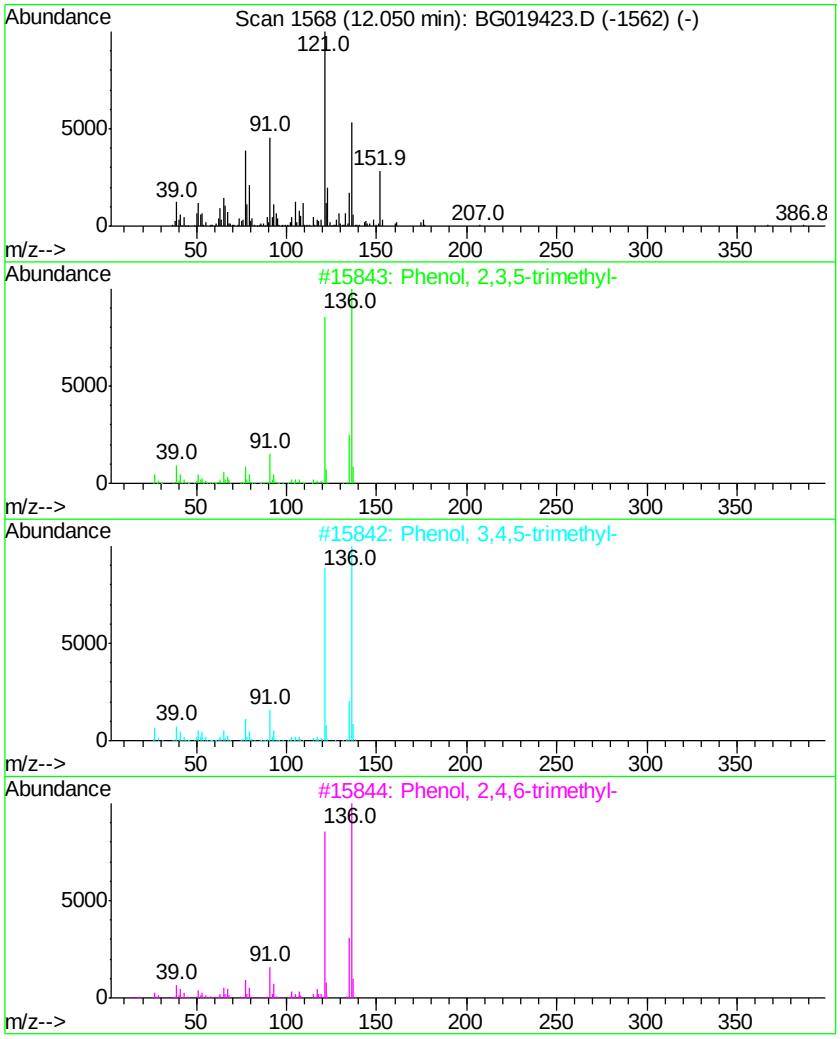
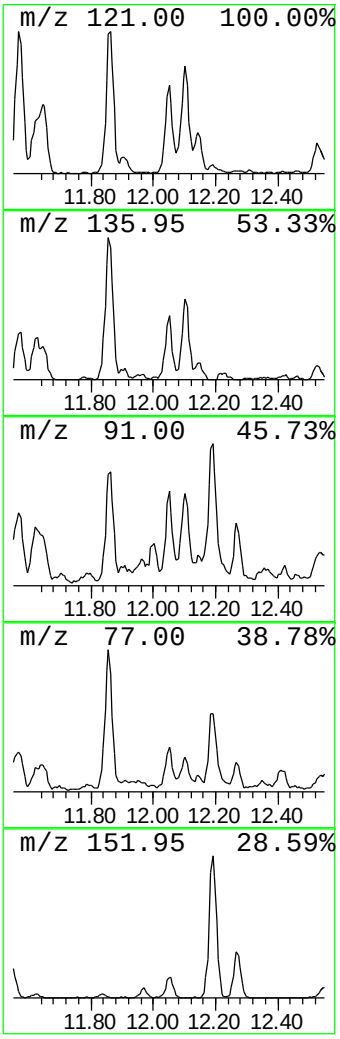
Peak Number 26 Phenol, 2,3,5-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.05 | 28.91 ng/ul | 518654 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3,5-trimethyl- | 136 | C9H12O | 000697-82-5 | 81 |
| 2 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 76 |
| 3 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 70 |
| 4 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 70 |
| 5 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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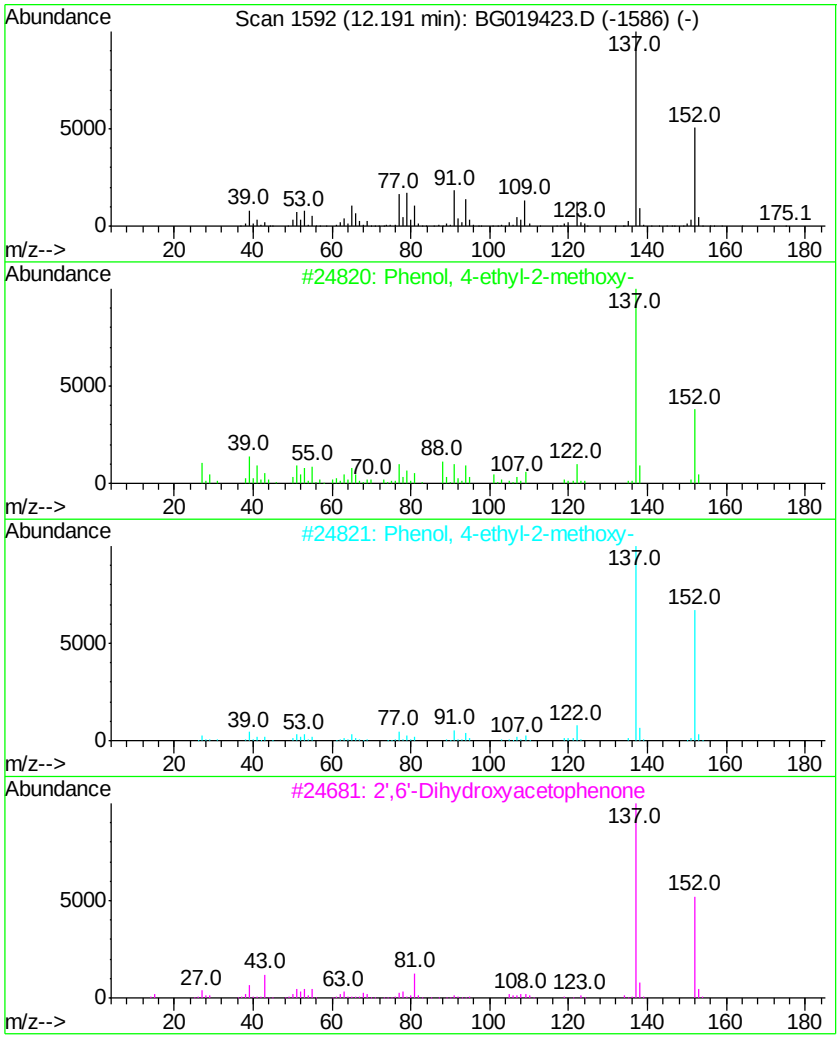
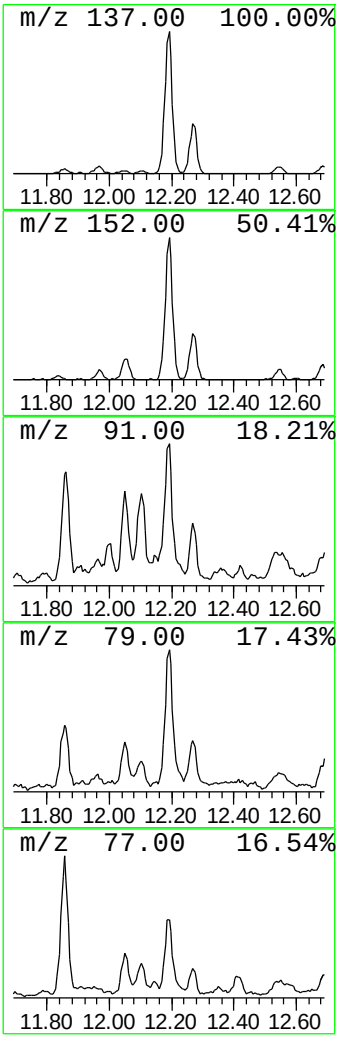
Peak Number 28 Phenol, 4-ethyl-2-methoxy- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.19 | 88.19 ng/ul | 1582160 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 91 |
| 2 | Phenol, 4-ethyl-2-methoxy- | 152 | C9H12O2 | 002785-89-9 | 90 |
| 3 | 2',6'-Dihydroxyacetophenone | 152 | C8H8O3 | 000699-83-2 | 76 |
| 4 | 1,4-Benzenediol, 2,3,5-trimethyl- | 152 | C9H12O2 | 000700-13-0 | 72 |
| 5 | Benzene, 1,4-dimethoxy-2-methyl- | 152 | C9H12O2 | 024599-58-4 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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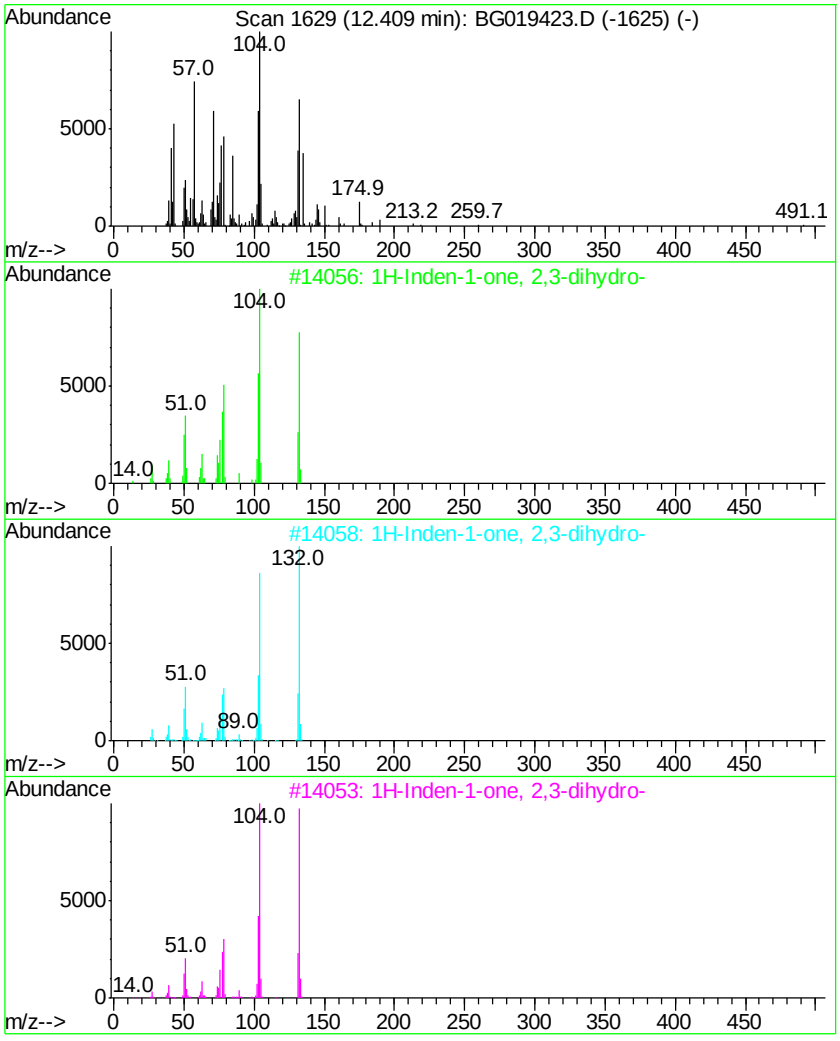
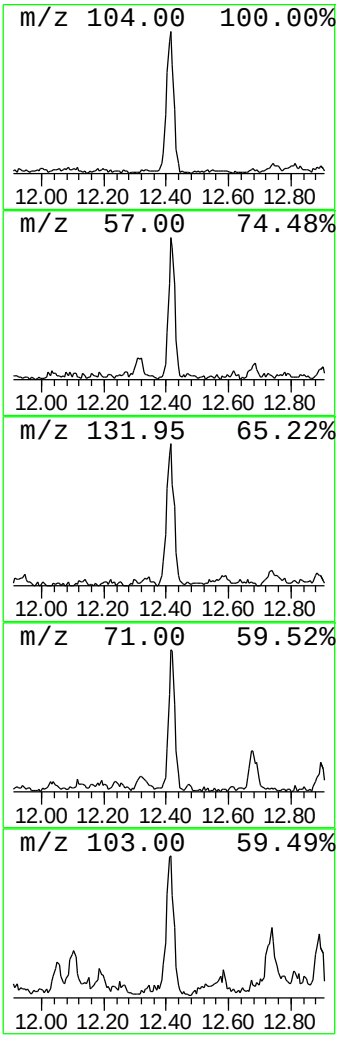
Peak Number 30 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.41 | 21.62 ng/ul | 387792 | Naphthalene-d8 | 11.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro- | 132 | C9H8O | 000083-33-0 | 70 |
| 2 | 1H-Inden-1-one, 2,3-dihydro- | 132 | C9H8O | 000083-33-0 | 50 |
| 3 | 1H-Inden-1-one, 2,3-dihydro- | 132 | C9H8O | 000083-33-0 | 45 |
| 4 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 38 |
| 5 | Styrene | 104 | C8H8 | 000100-42-5 | 27 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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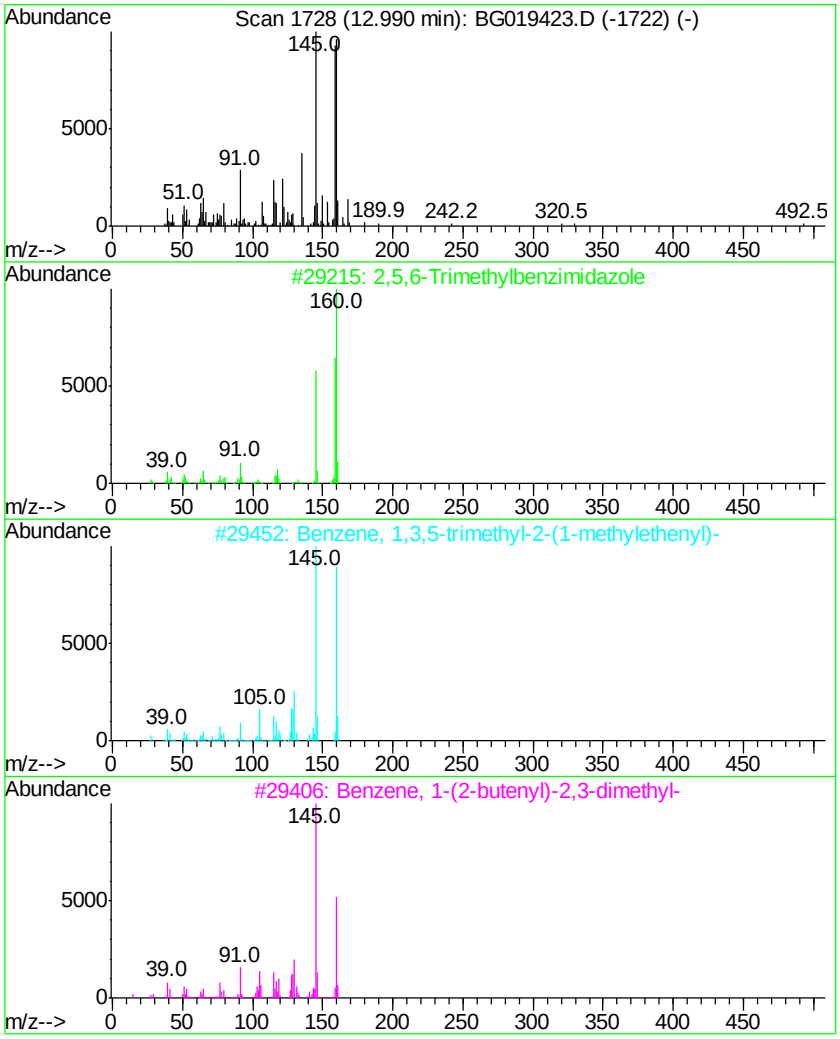
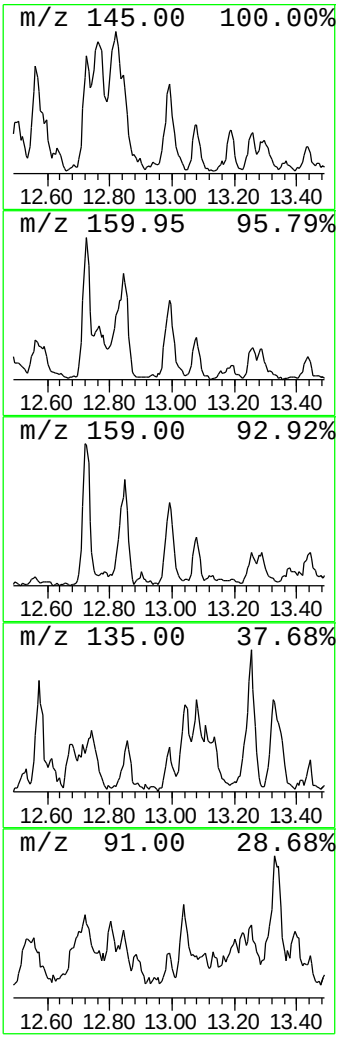
Peak Number 32 2,5,6-Trimethylbenzimidazole Concentration Rank 68

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.99 | 3.87 ng/ul | 182600 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5,6-Trimethylbenzimidazole | 160 | C10H12N2 | 003363-56-2 | 81 |
| 2 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 49 |
| 3 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 49 |
| 4 | 1H-Benzimidazole, 1-ethyl-2-methyl- | 160 | C10H12N2 | 005805-76-5 | 47 |
| 5 | Benzene, 4-chloro-2-fluoro-1-met... | 160 | C7H6ClFO | 000452-09-5 | 46 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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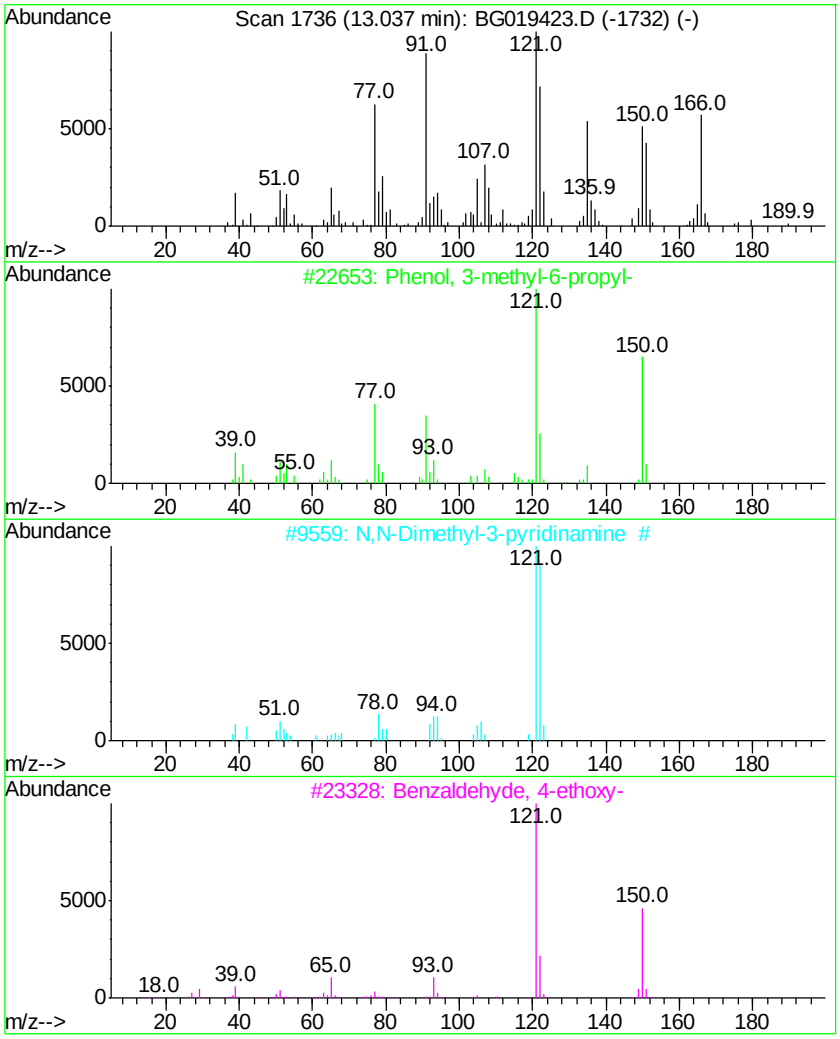
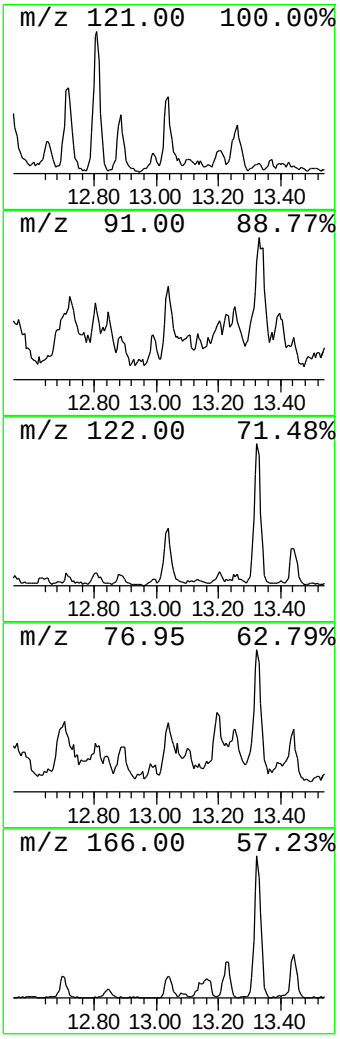
Peak Number 33 Phenol, 3-methyl-6-propyl- Concentration Rank 60

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.04 | 4.98 ng/ul | 235253 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-methyl-6-propyl- | 150 | C10H14O | 031143-55-2 | 50 |
| 2 | N,N-Dimethyl-3-pyridinamine # | 122 | C7H10N2 | 018437-57-5 | 35 |
| 3 | Benzaldehyde, 4-ethoxy- | 150 | C9H10O2 | 010031-82-0 | 27 |
| 4 | Bis(2,4-dimethylamino)pyrimidine | 166 | C8H14N4 | 001076-94-4 | 25 |
| 5 | Carbonic acid, methyl m-tolyl ester | 166 | C9H10O3 | 001848-02-8 | 25 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

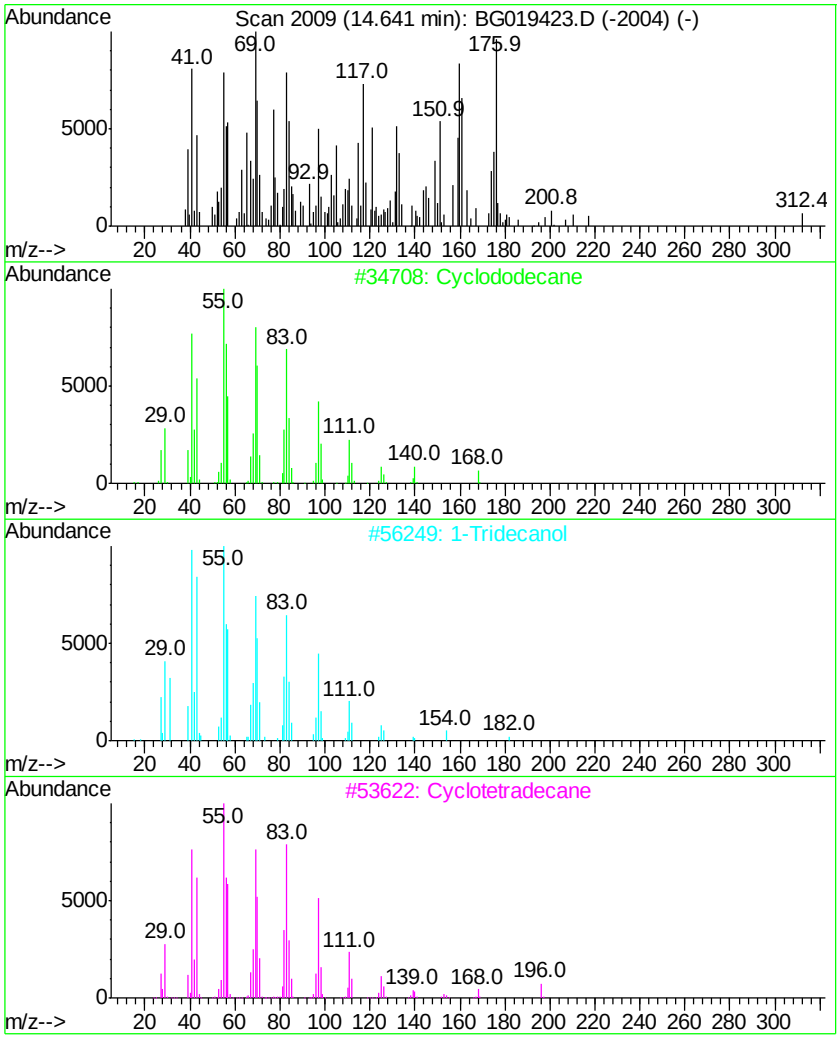
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

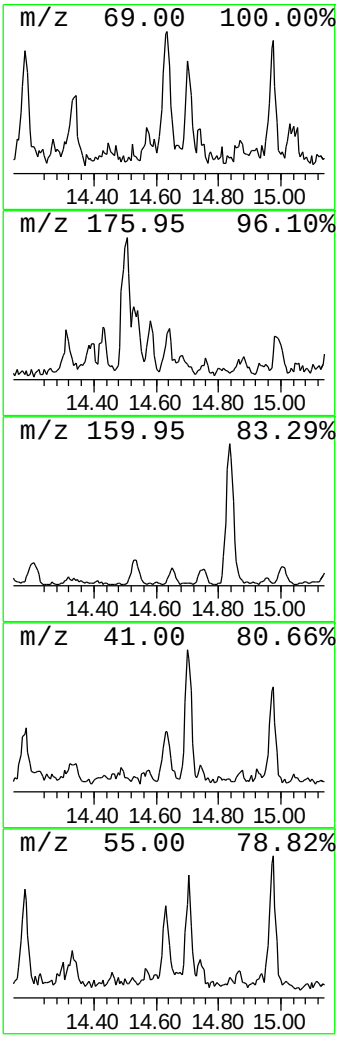
**********

Peak Number 46 (DEL) Alkane: Straight-Chain Concentration Rank 67

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.64 | 4.19 ng/ul | 197812 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclododecane | 168 | C12H24 | 000294-62-2 | 58 |
| 2 | 1-Tridecanol | 200 | C13H28O | 000112-70-9 | 58 |
| 3 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 53 |
| 4 | 1-Decene | 140 | C10H20 | 000872-05-9 | 53 |
| 5 | 1-Nonene | 126 | C9H18 | 000124-11-8 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

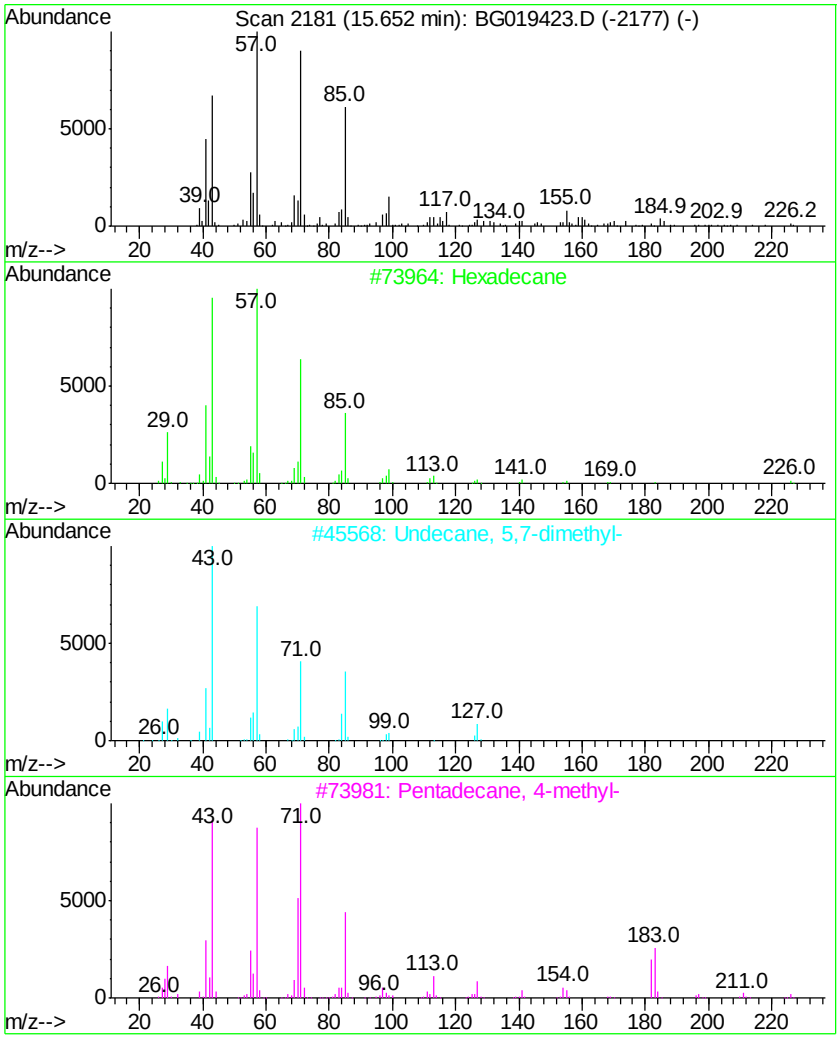
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

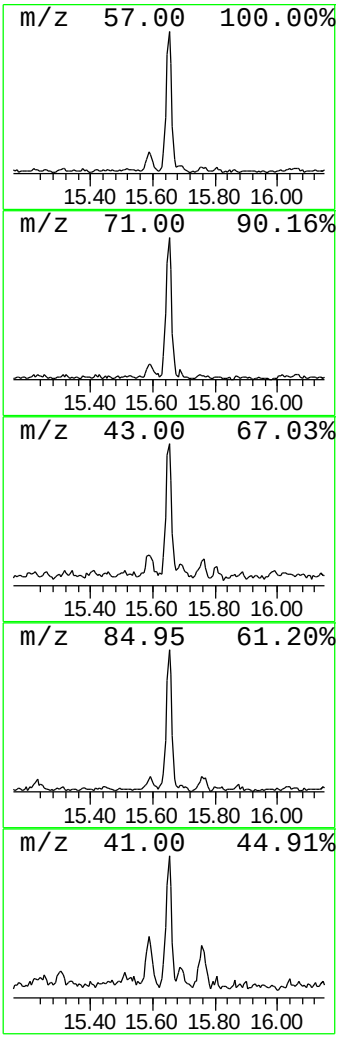
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 54

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.65 | 5.54 ng/ul | 261580 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 2 | Undecane, 5,7-dimethyl- | 184 | C13H28 | 017312-83-3 | 80 |
| 3 | Pentadecane, 4-methyl- | 226 | C16H34 | 002801-87-8 | 72 |
| 4 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 64 |
| 5 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 58 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

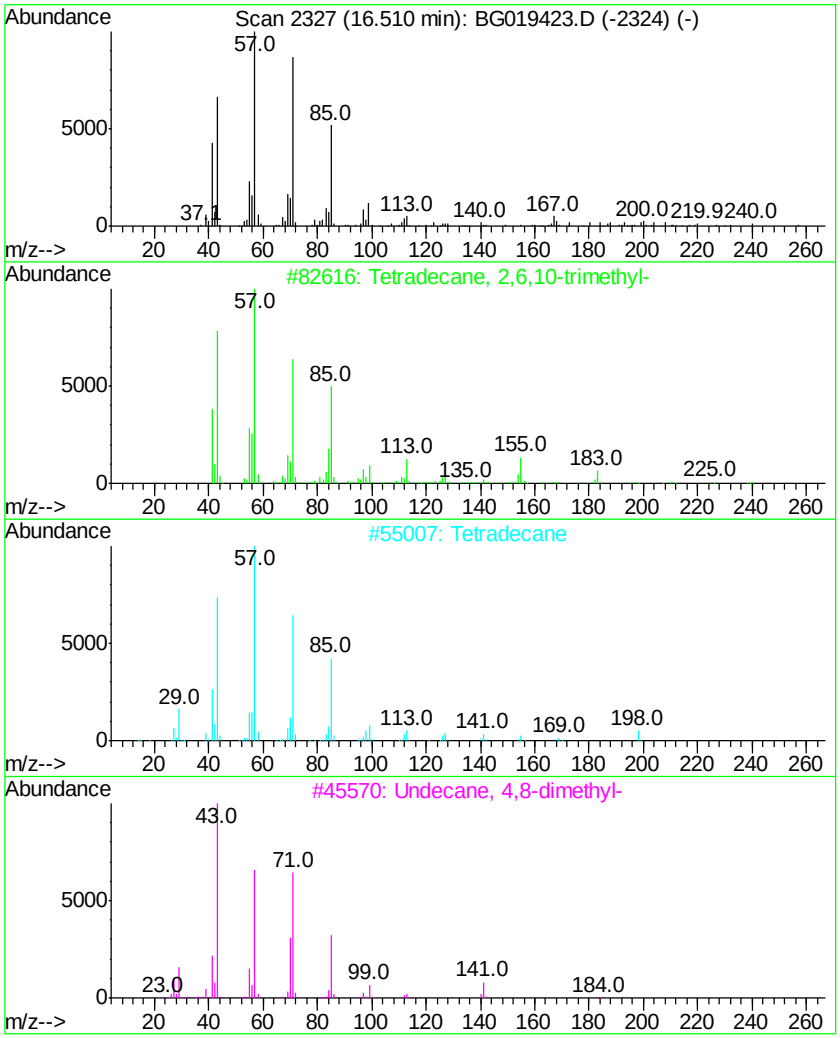
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

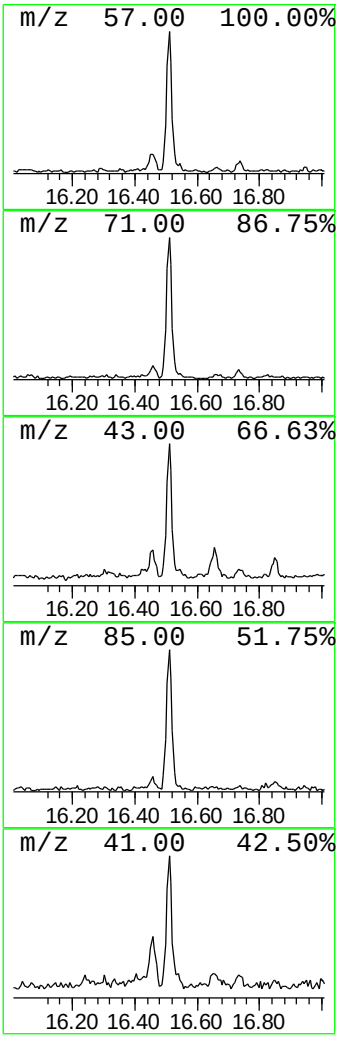
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 63

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.51 | 4.71 ng/ul | 227716 | Phenanthrene-d10 | 17.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36 | 014905-56-7 | 87 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |
| 3 | Undecane, 4,8-dimethyl- | 184 | C13H28 | 017301-33-6 | 78 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 78 |
| 5 | Undecane, 2,3-dimethyl- | 184 | C13H28 | 017312-77-5 | 78 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

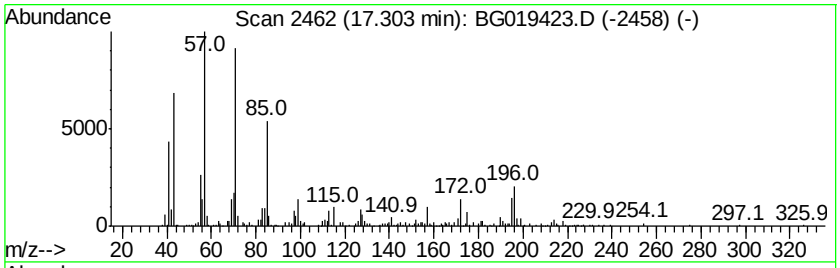
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

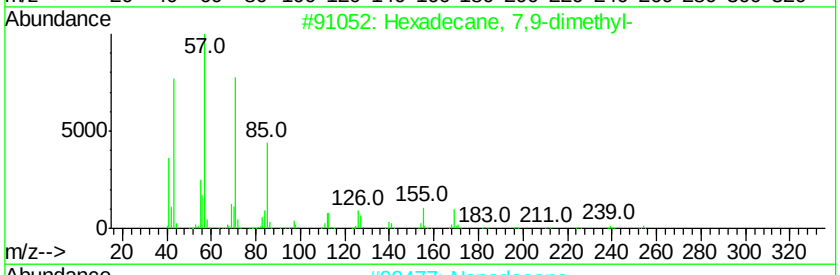
**********

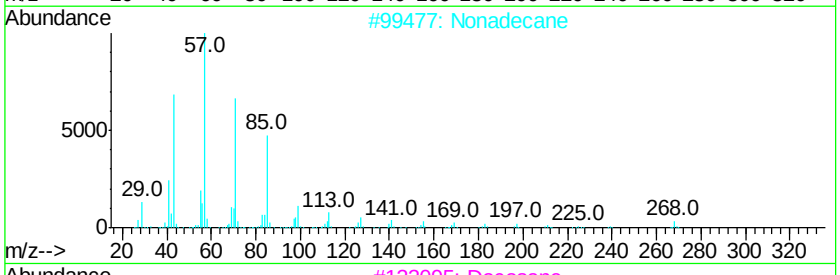
Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 40

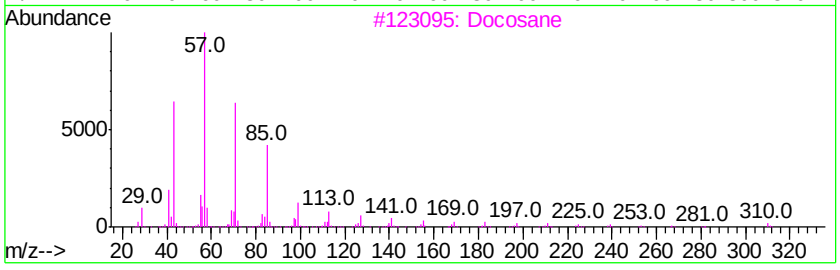
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.30 | 8.46 ng/ul | 408721 | Phenanthrene-d10 | 17.58 |

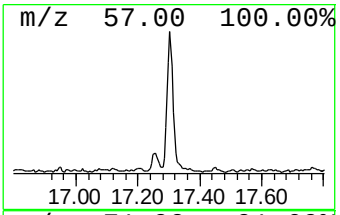
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 7,9-dimethyl- | 254 | C18H38 | 021164-95-4 | 78 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 68 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 64 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 64 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |

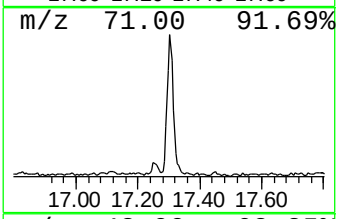


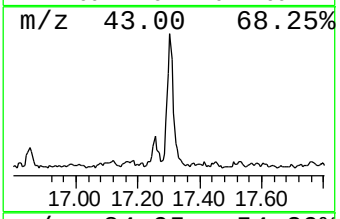



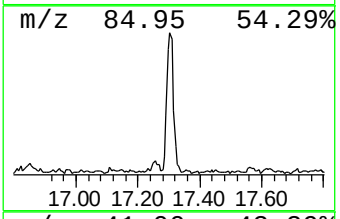



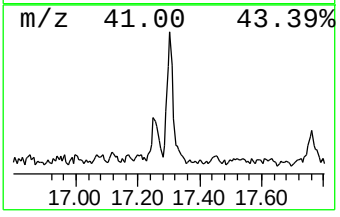



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

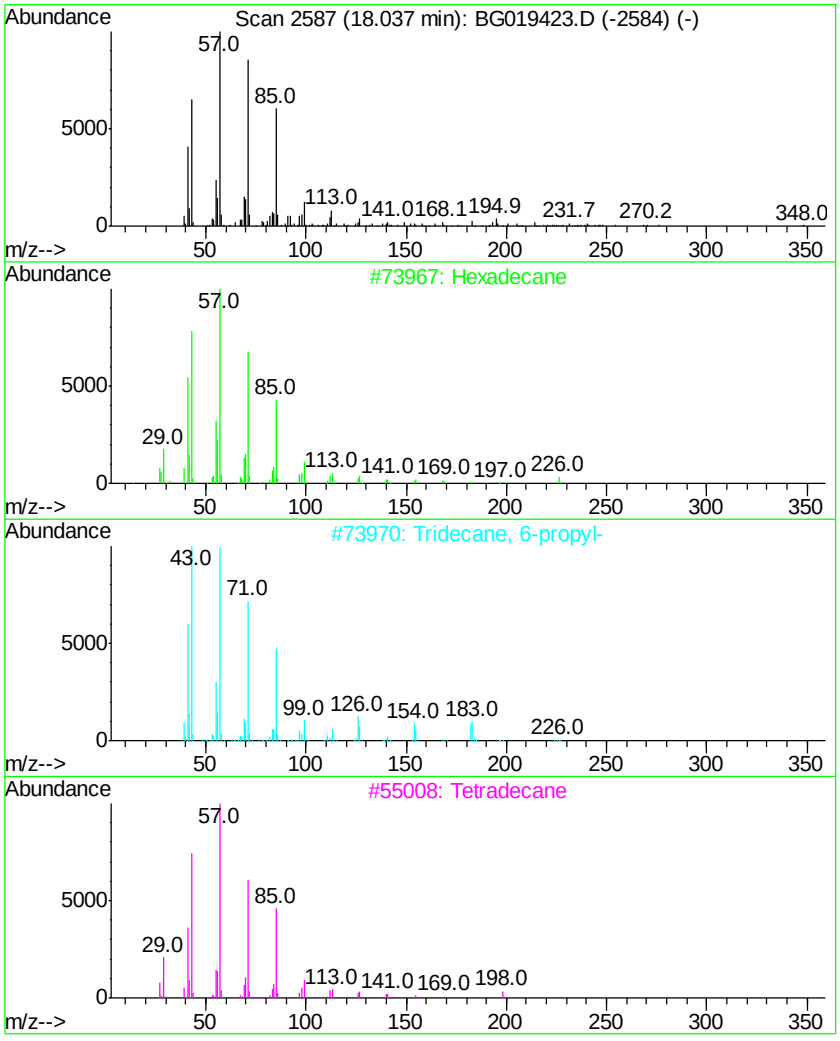
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

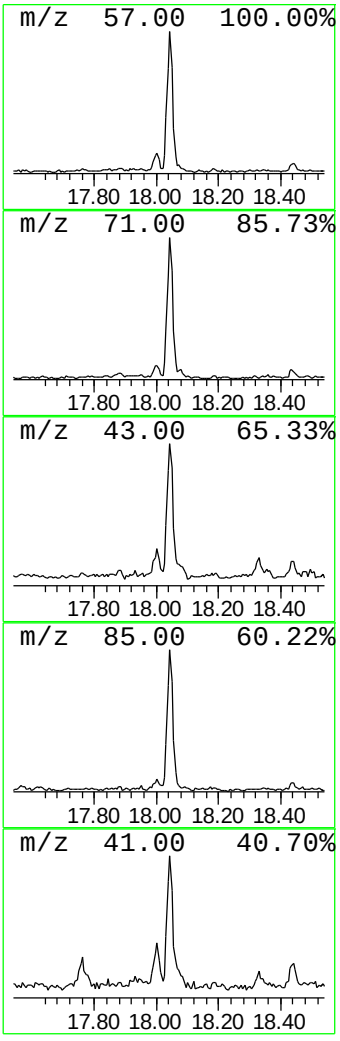
**********

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.04 | 9.17 ng/ul | 442734 | Phenanthrene-d10 | 17.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 87 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

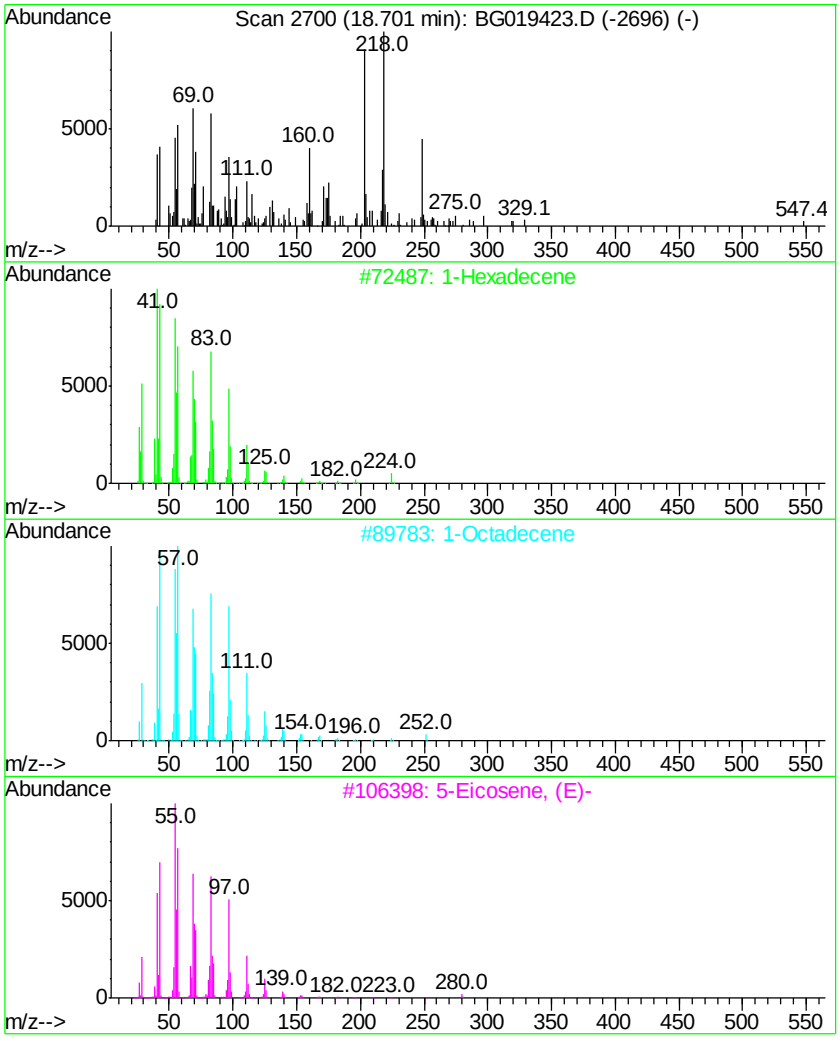
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

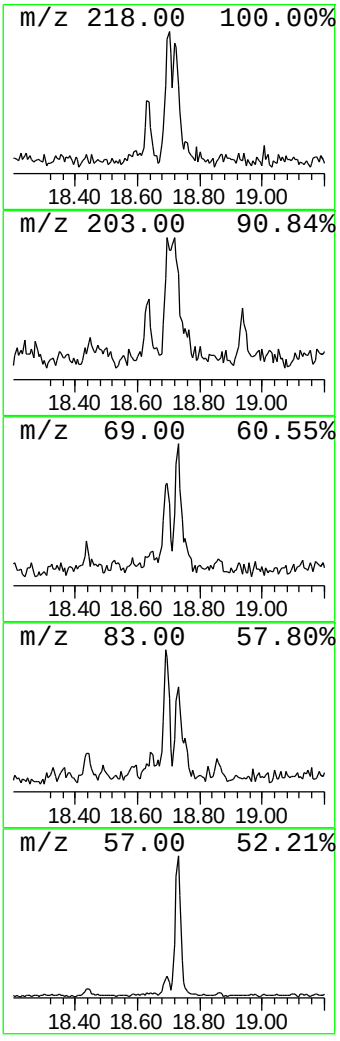
**********

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 74

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.70 | 3.28 ng/ul | 158505 | Phenanthrene-d10 | 17.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexadecene | 224 | C16H32 | 000629-73-2 | 60 |
| 2 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 55 |
| 3 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 48 |
| 4 | 5-Octadecene, (E)- | 252 | C18H36 | 007206-21-5 | 47 |
| 5 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 46 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

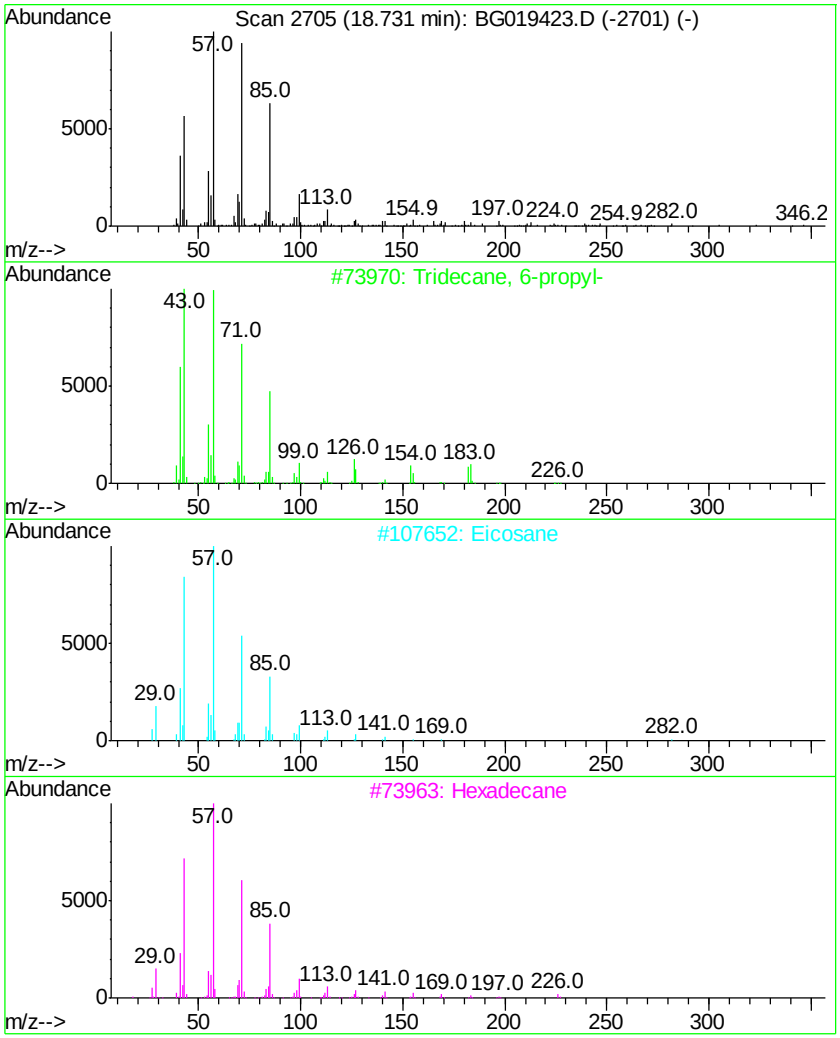
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

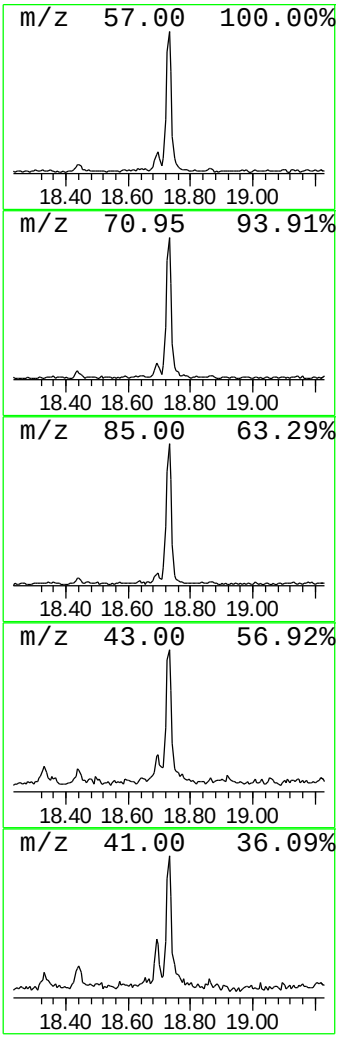
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.73 | 7.98 ng/ul | 385524 | Phenanthrene-d10 | 17.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 78 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 70 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 55 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

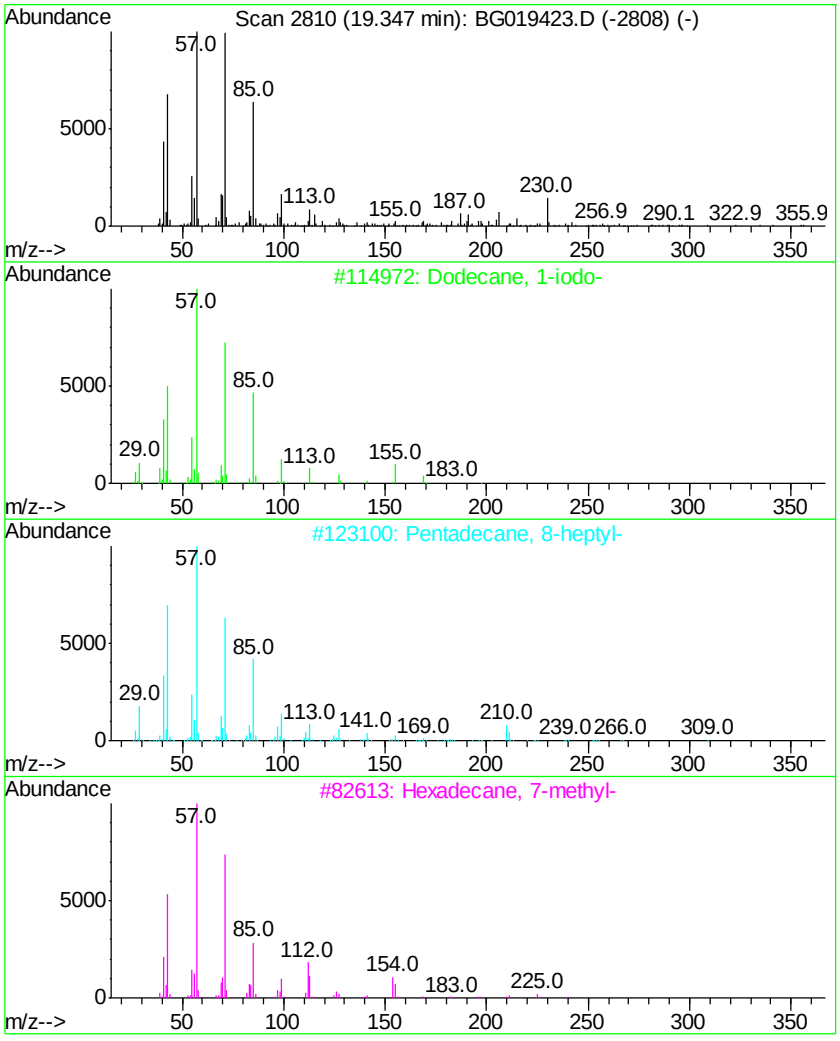
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

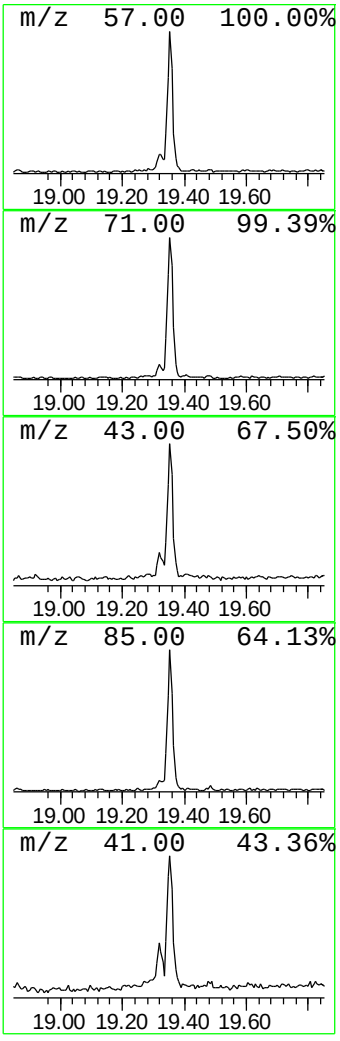
**********

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.35 | 9.05 ng/ul | 437103 | Phenanthrene-d10 | 17.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |
| 2 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 64 |
| 3 | Hexadecane, 7-methyl- | 240 | C17H36 | 026730-20-1 | 62 |
| 4 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 60 |
| 5 | Tridecane, 2-methyl- | 198 | C14H30 | 001560-96-9 | 58 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

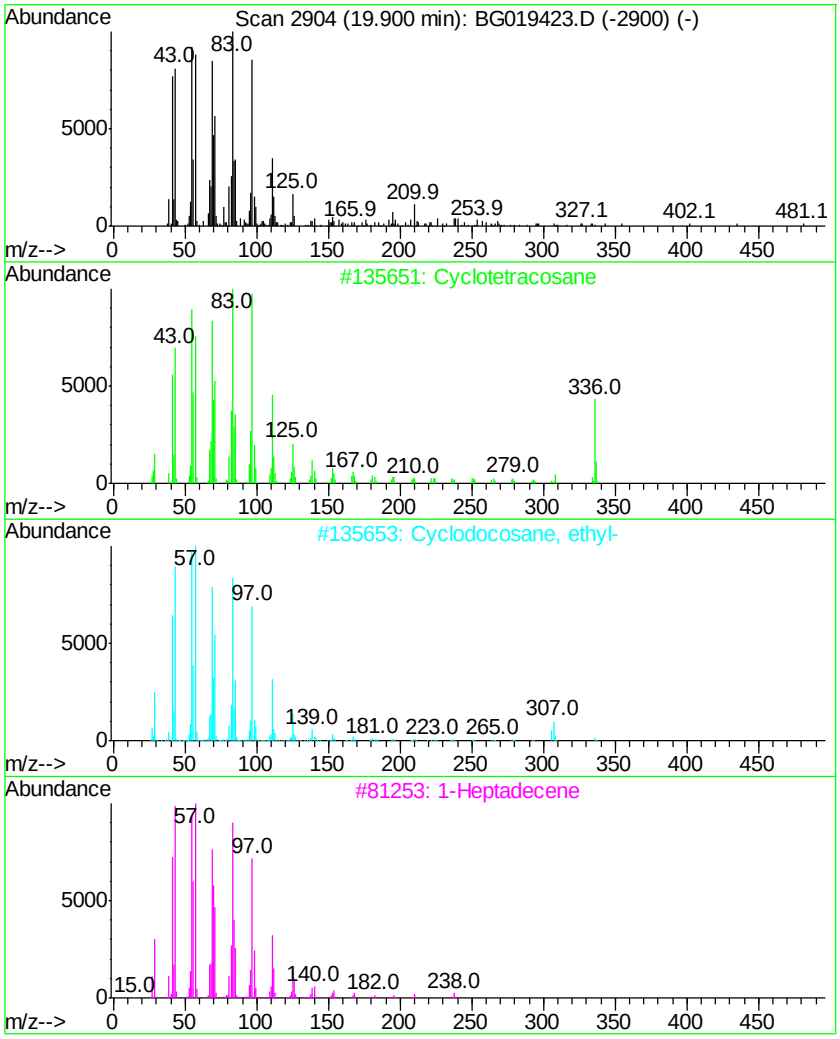
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

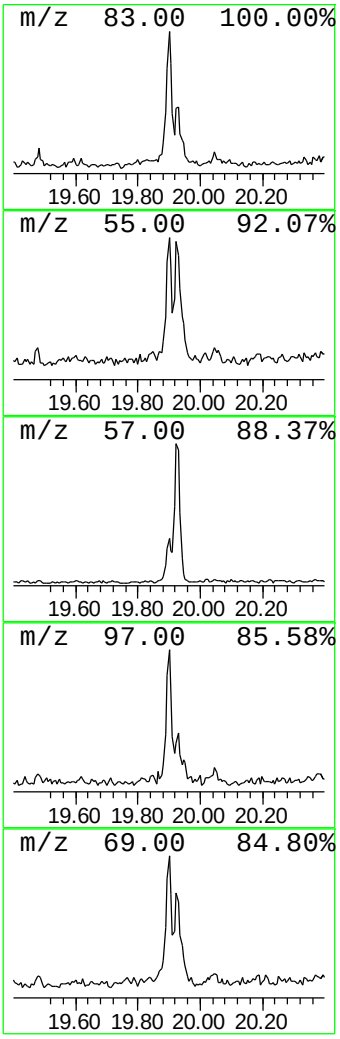
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 65

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.90 | 4.30 ng/ul | 238764 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 96 |
| 2 | Cyclodocosane, ethyl- | 336 | C24H48 | 1000151-22-6 | 94 |
| 3 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 93 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | Heptafluorobutyric acid, n-penta... | 424 | C19H31F7O2 | 1000216-79-3 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

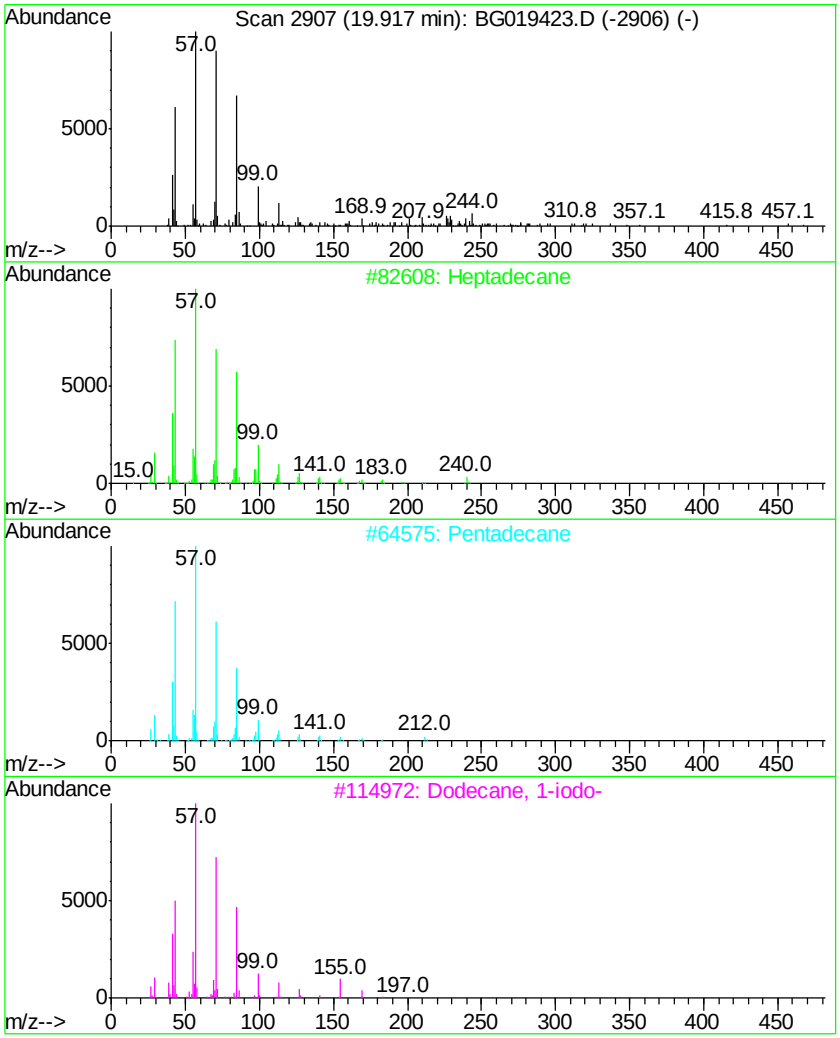
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

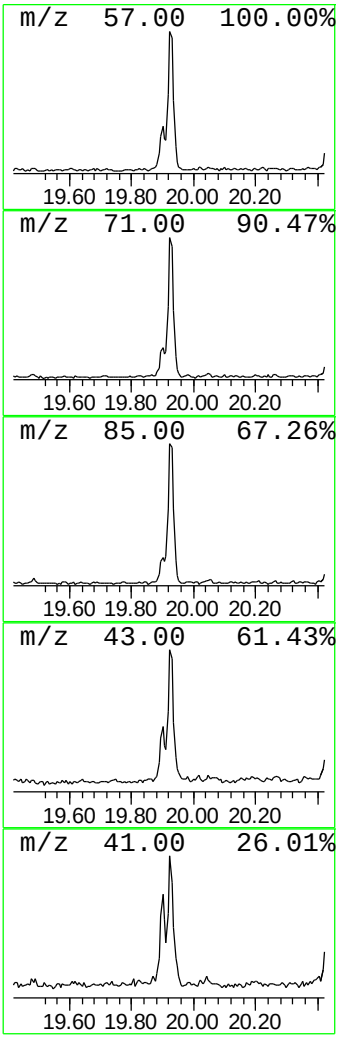
**********

Peak Number 70 (DEL) Alkane: Cyclic19.92 Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.92 | 7.15 ng/ul | 397484 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 78 |
| 3 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 72 |
| 4 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 64 |
| 5 | Undecane, 2,8-dimethyl- | 184 | C13H28 | 017301-25-6 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

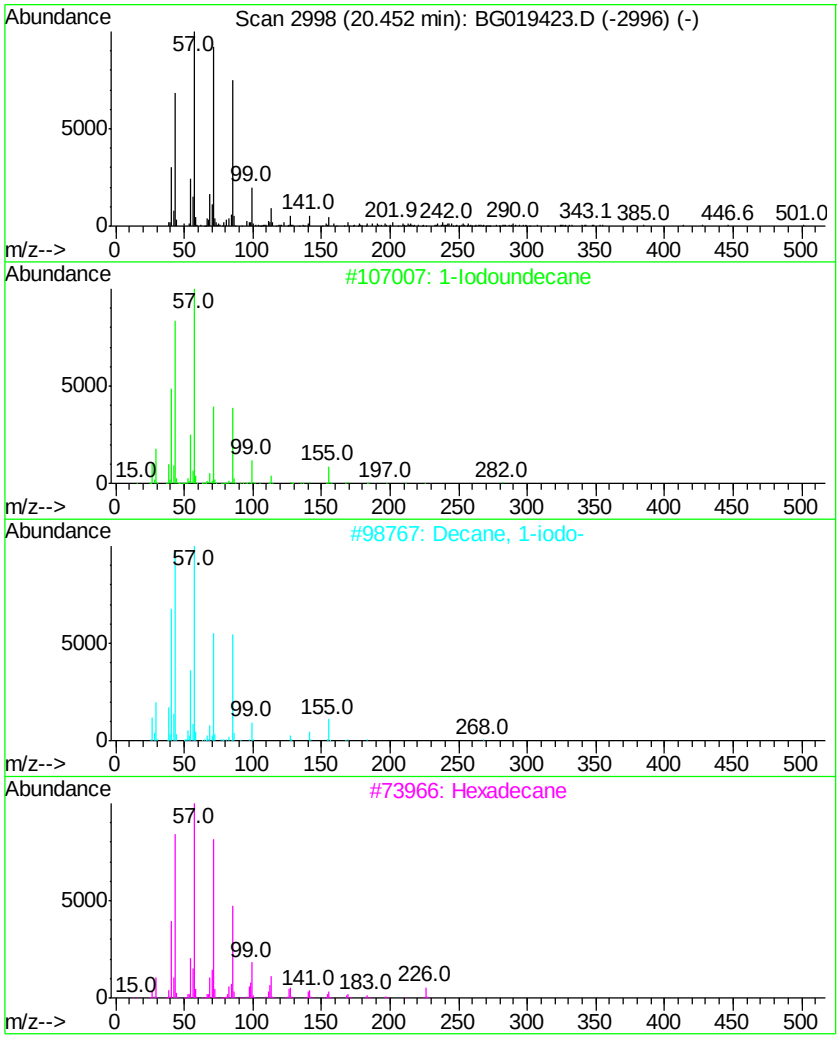
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

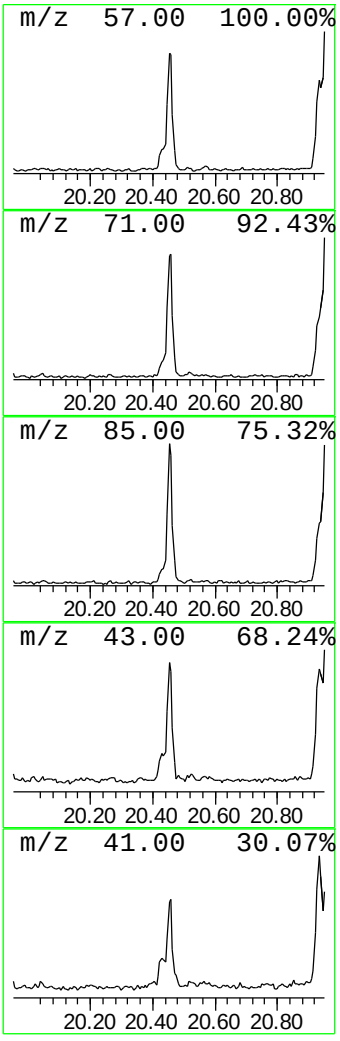
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.45 | 7.86 ng/ul | 436693 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 83 |
| 2 | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 64 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 52 |
| 4 | Undecane, 4,8-dimethyl- | 184 | C13H28 | 017301-33-6 | 50 |
| 5 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

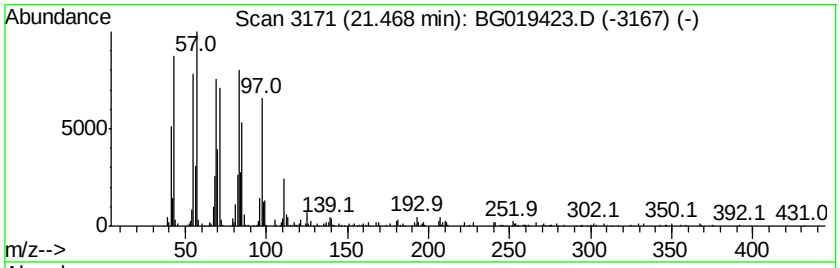
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

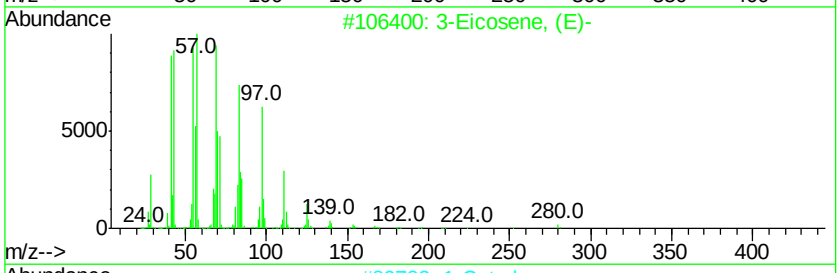
**********

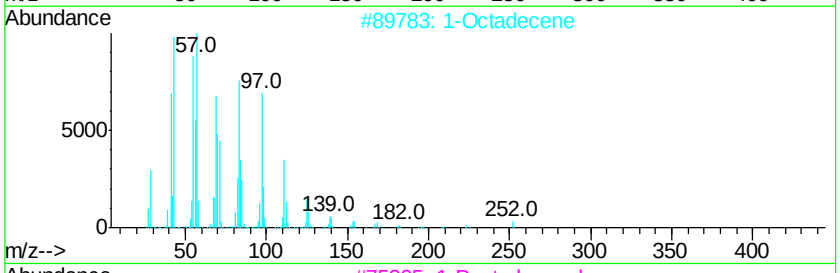
Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 41

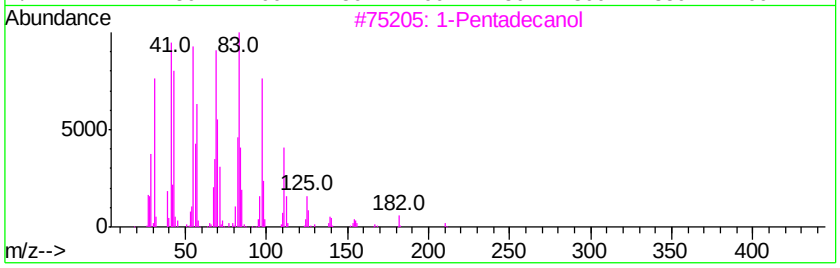
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.47 | 8.41 ng/ul | 467328 | Chrysene-d12 | 21.87 |

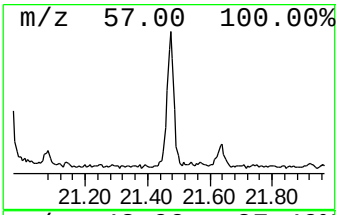
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 86 |
| 2 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 60 |
| 3 | 1-Pentadecanol | 228 | C15H32O | 000629-76-5 | 53 |
| 4 | Cyclopropane, 1-(1,2-dimethylpro... | 252 | C18H36 | 041977-42-8 | 50 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 49 |

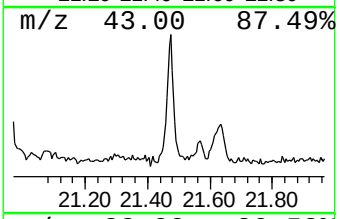


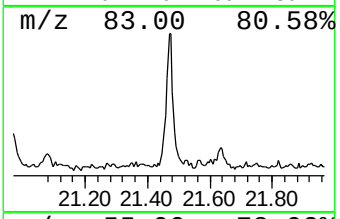



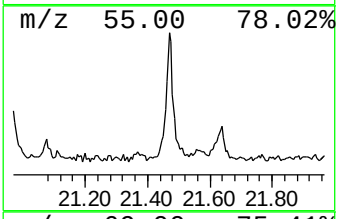



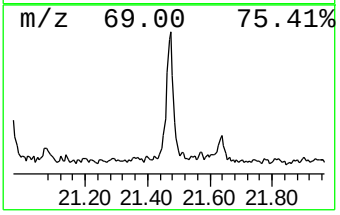



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

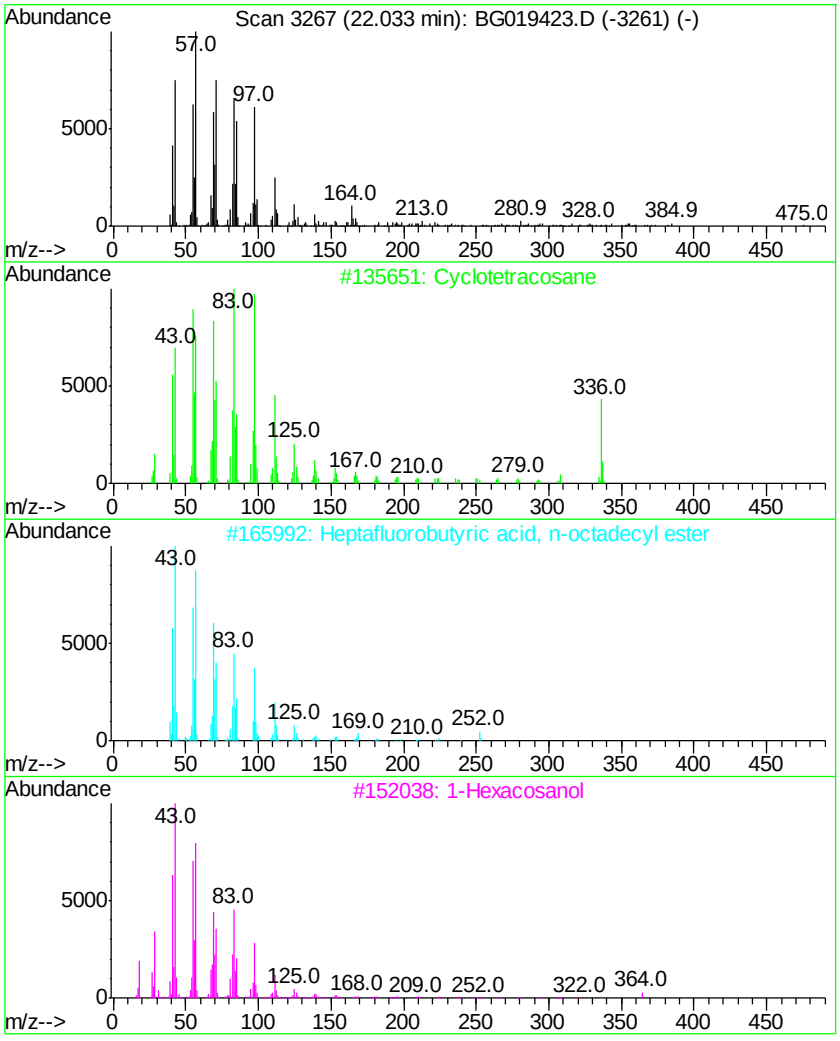
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

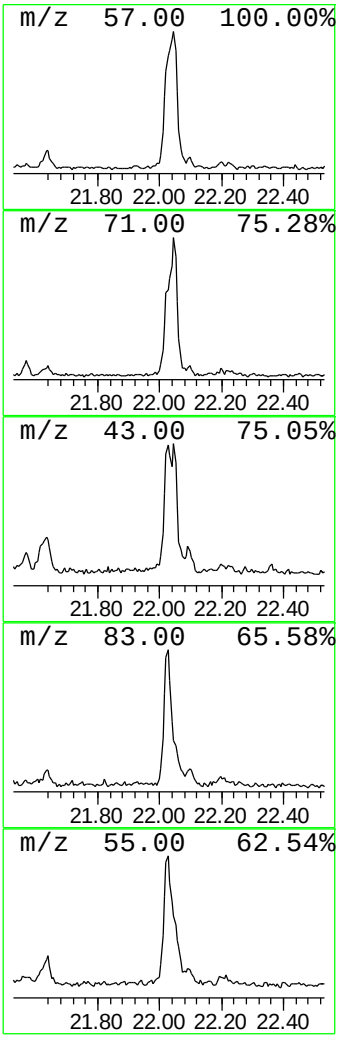
**********

Peak Number 76 (DEL) Alkane: Branched22.03 Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.03 | 16.37 ng/ul | 910233 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 99 |
| 2 | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2 | 000400-57-7 | 91 |
| 3 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

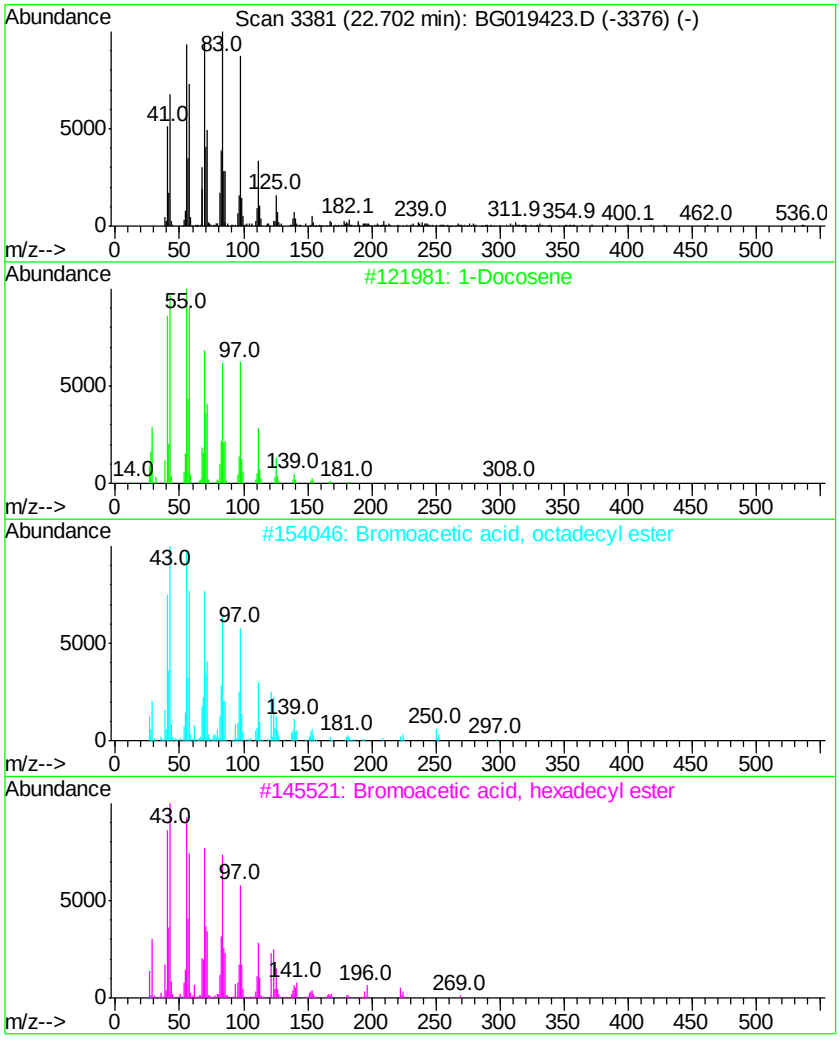
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

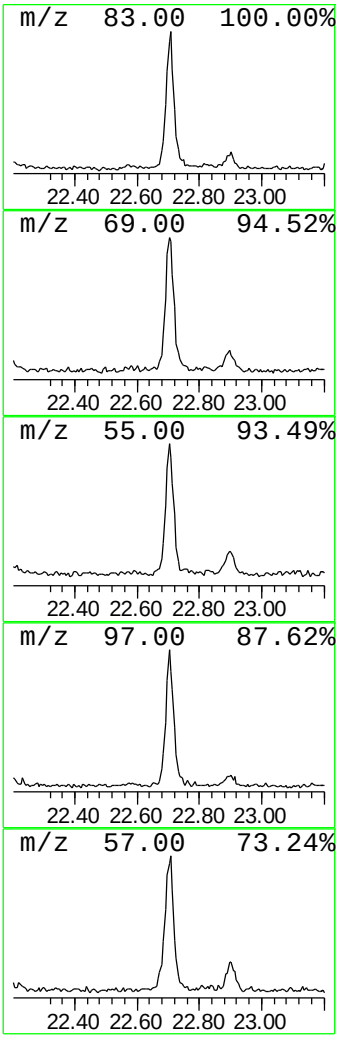
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.70 | 11.40 ng/ul | 633912 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 86 |
| 2 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 81 |
| 3 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 76 |
| 4 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 76 |
| 5 | Cyclopentane, decyl- | 210 | C15H30 | 001795-21-7 | 68 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

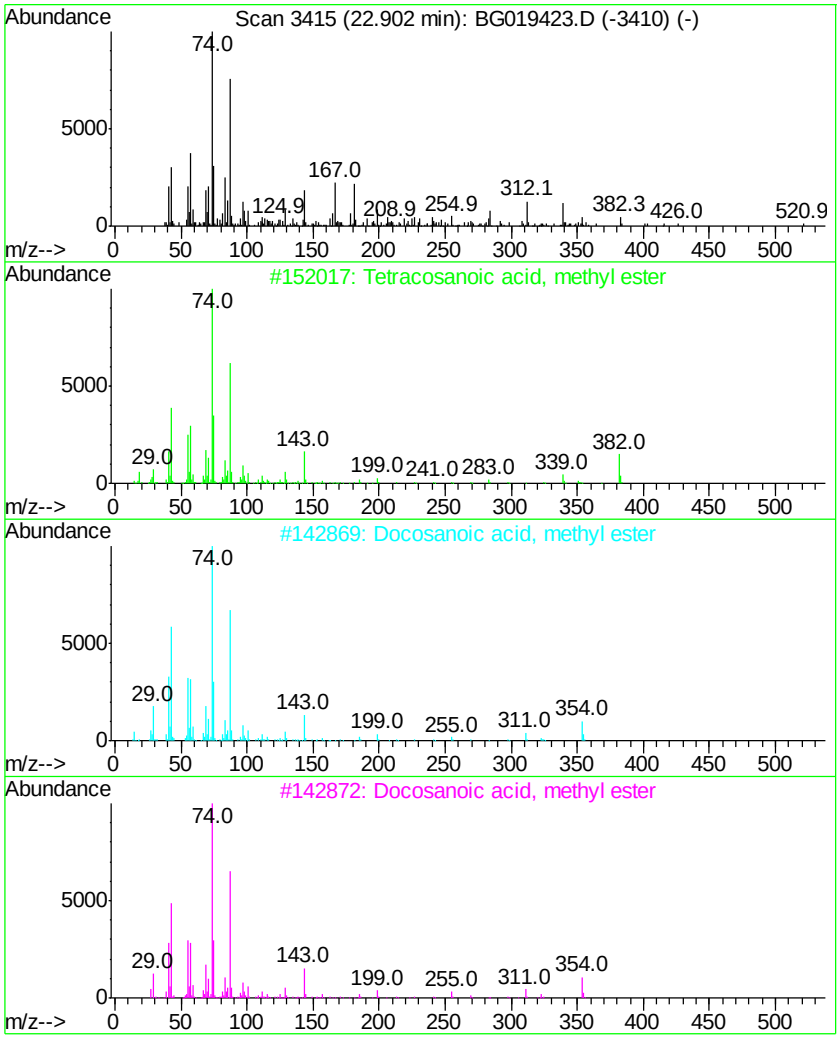
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

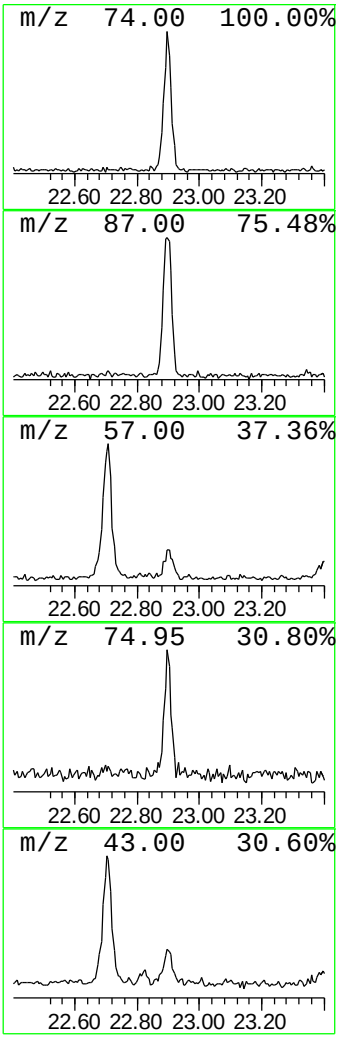
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 61

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.90 | 4.84 ng/ul | 268965 | Chrysene-d12 | 21.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosanoic acid, methyl ester | 382 | C25H50O2 | 002442-49-1 | 97 |
| 2 | Docosanoic acid, methyl ester | 354 | C23H46O2 | 000929-77-1 | 97 |
| 3 | Docosanoic acid, methyl ester | 354 | C23H46O2 | 000929-77-1 | 96 |
| 4 | Tetracosanoic acid, methyl ester | 382 | C25H50O2 | 002442-49-1 | 95 |
| 5 | Docosanoic acid, methyl ester | 354 | C23H46O2 | 000929-77-1 | 94 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

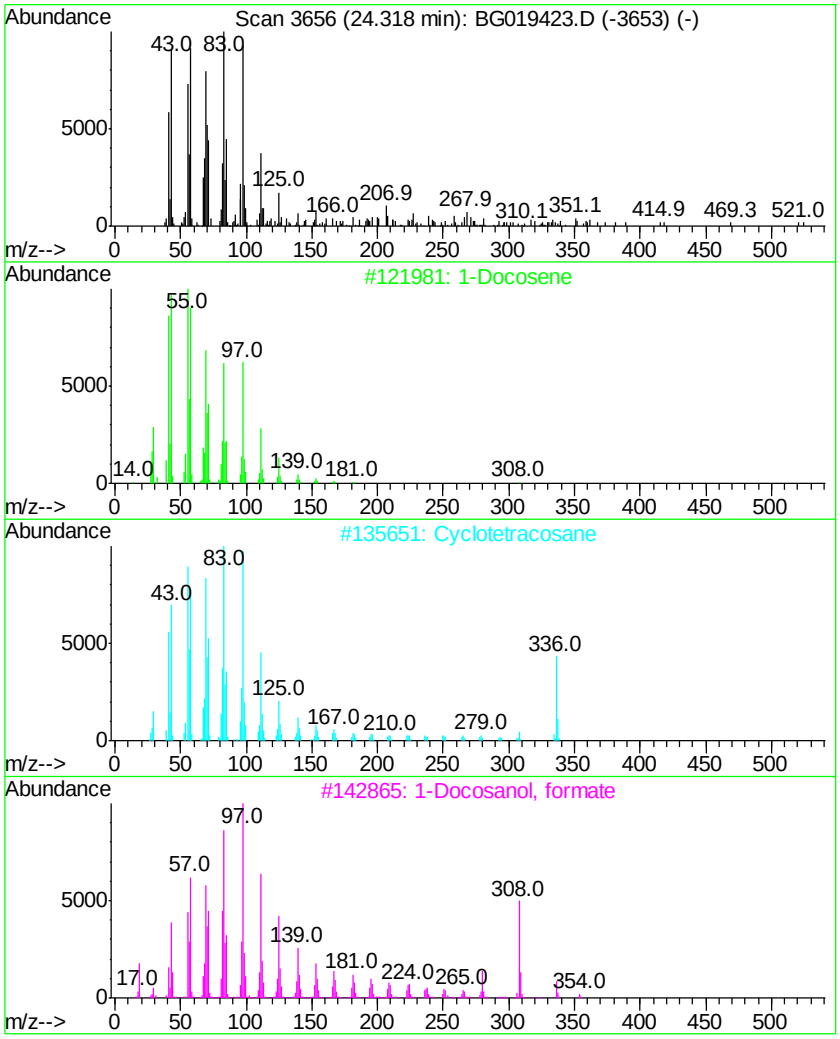
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

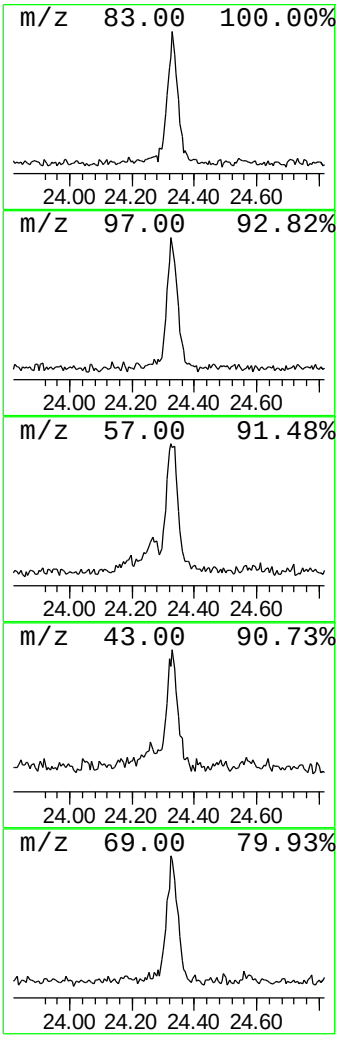
**********

Peak Number 79 (DEL) Alkane: Branched24.32 Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.32 | 7.41 ng/ul | 389112 | Perylene-d12 | 25.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 93 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 87 |
| 3 | 1-Docosanol, formate | 354 | C23H46O2 | 015155-62-1 | 86 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 76 |
| 5 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102815\
Data File : BG019423.D
Acq On : 29 Oct 2015 18:45
Operator : UM/NP
Sample : G3996-18DL 25X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E5LK7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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 |
| Cyclopentanone, 2... | 6.91 | 5.4 | ng/ul | 134614 | 1 | 8.20 | 494644 | 20.0 |
| Benzene, 1-ethyl-... | 7.84 | 6.6 | ng/ul | 164345 | 1 | 8.20 | 494644 | 20.0 |
| Benzofuran | 7.93 | 7.8 | ng/ul | 192777 | 1 | 8.20 | 494644 | 20.0 |
| Norbornadieone | 8.49 | 13.9 | ng/ul | 344781 | 1 | 8.20 | 494644 | 20.0 |
| Benzene, 1-propynyl- | 8.75 | 4.8 | ng/ul | 118457 | 1 | 8.20 | 494644 | 20.0 |
| 2-Cyclopenten-1-o... | 8.87 | 12.8 | ng/ul | 316160 | 1 | 8.20 | 494644 | 20.0 |
| Phenol, 2-methoxy- | 9.31 | 41.5 | ng/ul | 1026730 | 1 | 8.20 | 494644 | 20.0 |
| (DEL) Alkane: Str... | 9.42 | 5.4 | ng/ul | 134324 | 1 | 8.20 | 494644 | 20.0 |
| Ethanone, 1-(1-cy... | 9.51 | 9.3 | ng/ul | 230350 | 1 | 8.20 | 494644 | 20.0 |
| Phenol, 2,6-dimet... | 9.65 | 30.7 | ng/ul | 551087 | 2 | 11.04 | 358814 | 20.0 |
| Benzofuran, 2-met... | 9.69 | 14.2 | ng/ul | 255511 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 2-ethyl- | 9.99 | 24.6 | ng/ul | 441428 | 2 | 11.04 | 358814 | 20.0 |
| (DEL) Alkane: Str... | 10.13 | 11.7 | ng/ul | 209252 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 3-ethyl- | 10.47 | 89.9 | ng/ul | 1612260 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 2-methoxy... | 10.74 | 25.3 | ng/ul | 454583 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 2-methoxy... | 10.88 | 75.5 | ng/ul | 1353860 | 2 | 11.04 | 358814 | 20.0 |
| 2-Propenal, 2-met... | 11.28 | 23.6 | ng/ul | 422893 | 2 | 11.04 | 358814 | 20.0 |
| 1H-Pyrazole, 4,5-... | 11.44 | 14.4 | ng/ul | 258843 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 4-(1-meth... | 11.57 | 26.6 | ng/ul | 478041 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 2,3,6-tri... | 11.62 | 23.3 | ng/ul | 418074 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 3-propyl- | 11.86 | 59.7 | ng/ul | 1071140 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 2,3,5-tri... | 12.05 | 28.9 | ng/ul | 518654 | 2 | 11.04 | 358814 | 20.0 |
| Phenol, 4-ethyl-2... | 12.19 | 88.2 | ng/ul | 1582160 | 2 | 11.04 | 358814 | 20.0 |
| 1H-Inden-1-one, 2... | 12.41 | 21.6 | ng/ul | 387792 | 2 | 11.04 | 358814 | 20.0 |
| 2,5,6-Trimethylbe... | 12.99 | 3.9 | ng/ul | 182600 | 3 | 14.84 | 943902 | 20.0 |
| Phenol, 3-methyl-... | 13.04 | 5.0 | ng/ul | 235253 | 3 | 14.84 | 943902 | 20.0 |
| (DEL) Alkane: Str... | 14.64 | 4.2 | ng/ul | 197812 | 3 | 14.84 | 943902 | 20.0 |
| (DEL) Alkane: Str... | 15.65 | 5.5 | ng/ul | 261580 | 3 | 14.84 | 943902 | 20.0 |
| (DEL) Alkane: Str... | 16.51 | 4.7 | ng/ul | 227716 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 17.30 | 8.5 | ng/ul | 408721 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 18.04 | 9.2 | ng/ul | 442734 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 18.70 | 3.3 | ng/ul | 158505 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 18.73 | 8.0 | ng/ul | 385524 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 19.35 | 9.1 | ng/ul | 437103 | 4 | 17.58 | 965939 | 20.0 |
| (DEL) Alkane: Str... | 19.90 | 4.3 | ng/ul | 238764 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Cyc... | 19.92 | 7.2 | ng/ul | 397484 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Str... | 20.45 | 7.9 | ng/ul | 436693 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Str... | 21.47 | 8.4 | ng/ul | 467328 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Bra... | 22.03 | 16.4 | ng/ul | 910233 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Str... | 22.70 | 11.4 | ng/ul | 633912 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Str... | 22.90 | 4.8 | ng/ul | 268965 | 5 | 21.87 | 1111820 | 20.0 |
| (DEL) Alkane: Bra... | 24.32 | 7.4 | ng/ul | 389112 | 6 | 25.25 | 1050220 | 20.0 |