LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

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-BG052915.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 | 2.758 | 9 | 12 | 16 | rBV | 13350 | 16294 | 3.27% | 0.244% |
| 2 | 2.799 | 16 | 19 | 24 | rVB | 16730 | 20501 | 4.12% | 0.307% |
| 3 | 3.598 | 151 | 155 | 164 | rVB4 | 11943 | 15994 | 3.21% | 0.240% |
| 4 | 4.050 | 229 | 232 | 238 | rVB2 | 11487 | 15209 | 3.06% | 0.228% |
| 5 | 4.380 | 285 | 288 | 295 | rVB5 | 4210 | 5364 | 1.08% | 0.080% |
| 6 | 4.468 | 300 | 303 | 308 | rVB4 | 7977 | 10539 | 2.12% | 0.158% |
| 7 | 4.697 | 338 | 342 | 345 | rVB4 | 1915 | 2447 | 0.49% | 0.037% |
| 8 | 4.838 | 364 | 366 | 372 | rBV6 | 3243 | 4851 | 0.97% | 0.073% |
| 9 | 5.619 | 497 | 499 | 505 | rBV3 | 1354 | 2141 | 0.43% | 0.032% |
| 10 | 6.160 | 587 | 591 | 597 | rBV | 11622 | 19296 | 3.88% | 0.289% |
| 11 | 6.788 | 695 | 698 | 700 | rVV3 | 1997 | 2678 | 0.54% | 0.040% |
| 12 | 6.847 | 700 | 708 | 718 | rVV | 65482 | 112321 | 22.57% | 1.684% |
| 13 | 6.982 | 725 | 731 | 740 | rVV | 43256 | 69453 | 13.96% | 1.042% |
| 14 | 7.070 | 743 | 746 | 750 | rBV3 | 1756 | 2707 | 0.54% | 0.041% |
| 15 | 7.182 | 759 | 765 | 775 | rBV | 68913 | 105337 | 21.17% | 1.580% |
| 16 | 7.640 | 837 | 843 | 851 | rVV | 67567 | 104726 | 21.05% | 1.571% |
| 17 | 8.375 | 963 | 968 | 978 | rBV2 | 68093 | 110930 | 22.29% | 1.664% |
| 18 | 8.469 | 979 | 984 | 989 | rVV3 | 16580 | 25810 | 5.19% | 0.387% |
| 19 | 8.804 | 1035 | 1041 | 1049 | rBV | 62554 | 102546 | 20.61% | 1.538% |
| 20 | 9.209 | 1104 | 1110 | 1112 | rBV2 | 1371 | 2414 | 0.49% | 0.036% |
| 21 | 9.521 | 1157 | 1163 | 1174 | rVB2 | 60357 | 102238 | 20.55% | 1.533% |
| 22 | 9.885 | 1219 | 1225 | 1231 | rBV5 | 2173 | 4542 | 0.91% | 0.068% |
| 23 | 10.079 | 1249 | 1258 | 1265 | rBV | 82139 | 144033 | 28.95% | 2.160% |
| 24 | 10.220 | 1279 | 1282 | 1283 | rBV2 | 2597 | 2160 | 0.43% | 0.032% |
| 25 | 10.284 | 1291 | 1293 | 1298 | rVB | 1260 | 1861 | 0.37% | 0.028% |
| 26 | 10.431 | 1313 | 1318 | 1325 | rBV | 96834 | 163703 | 32.90% | 2.455% |
| 27 | 10.584 | 1337 | 1344 | 1354 | rBV2 | 30861 | 60806 | 12.22% | 0.912% |
| 28 | 10.984 | 1407 | 1412 | 1414 | rVV2 | 1199 | 2114 | 0.42% | 0.032% |
| 29 | 11.812 | 1548 | 1553 | 1557 | rVB3 | 1441 | 2665 | 0.54% | 0.040% |
| 30 | 11.924 | 1565 | 1572 | 1574 | rBV4 | 3140 | 6362 | 1.28% | 0.095% |
| 31 | 12.646 | 1687 | 1695 | 1700 | rVB3 | 7838 | 12205 | 2.45% | 0.183% |
| 32 | 12.905 | 1733 | 1739 | 1746 | rVB2 | 14034 | 22218 | 4.47% | 0.333% |
| 33 | 13.716 | 1871 | 1877 | 1882 | rVV | 158570 | 215839 | 43.38% | 3.237% |
| 34 | 13.763 | 1882 | 1885 | 1895 | rVV | 54767 | 77551 | 15.59% | 1.163% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

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-BG052915.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.992 | 1915 | 1924 | 1933 | rBV | 175676 | 255993 | 51.45% | 3.839% |
| 36 | 14.209 | 1958 | 1961 | 1965 | rVB4 | 2761 | 3961 | 0.80% | 0.059% |
| 37 | 14.303 | 1971 | 1977 | 1985 | rBV2 | 158158 | 237411 | 47.71% | 3.560% |
| 38 | 14.562 | 2015 | 2021 | 2032 | rBV2 | 58773 | 109666 | 22.04% | 1.645% |
| 39 | 14.679 | 2038 | 2041 | 2045 | rBV3 | 2238 | 3749 | 0.75% | 0.056% |
| 40 | 14.738 | 2049 | 2051 | 2055 | rBV2 | 1400 | 2422 | 0.49% | 0.036% |
| 41 | 14.773 | 2055 | 2057 | 2060 | rVB3 | 1822 | 1903 | 0.38% | 0.029% |
| 42 | 14.897 | 2074 | 2078 | 2081 | rVB2 | 1914 | 2482 | 0.50% | 0.037% |
| 43 | 15.108 | 2112 | 2114 | 2118 | rVV2 | 2165 | 3180 | 0.64% | 0.048% |
| 44 | 15.167 | 2120 | 2124 | 2127 | rVV3 | 5192 | 7023 | 1.41% | 0.105% |
| 45 | 15.296 | 2141 | 2146 | 2153 | rBV | 230927 | 326336 | 65.58% | 4.894% |
| 46 | 15.367 | 2156 | 2158 | 2160 | rVV2 | 3138 | 2019 | 0.41% | 0.030% |
| 47 | 15.425 | 2162 | 2168 | 2174 | rBV | 92839 | 127682 | 25.66% | 1.915% |
| 48 | 15.543 | 2182 | 2188 | 2190 | rBV4 | 2454 | 3894 | 0.78% | 0.058% |
| 49 | 15.566 | 2190 | 2192 | 2195 | rVB2 | 2367 | 2636 | 0.53% | 0.040% |
| 50 | 15.684 | 2205 | 2212 | 2216 | rBV6 | 8950 | 16449 | 3.31% | 0.247% |
| 51 | 16.025 | 2266 | 2270 | 2273 | rBV3 | 7608 | 12681 | 2.55% | 0.190% |
| 52 | 16.136 | 2287 | 2289 | 2292 | rVV3 | 2337 | 2109 | 0.42% | 0.032% |
| 53 | 16.177 | 2292 | 2296 | 2297 | rVV3 | 1855 | 1907 | 0.38% | 0.029% |
| 54 | 16.201 | 2297 | 2300 | 2306 | rVB2 | 5039 | 6389 | 1.28% | 0.096% |
| 55 | 16.342 | 2321 | 2324 | 2326 | rBV2 | 1918 | 2318 | 0.47% | 0.035% |
| 56 | 16.465 | 2343 | 2345 | 2346 | rBV2 | 2987 | 1982 | 0.40% | 0.030% |
| 57 | 16.606 | 2366 | 2369 | 2371 | rBV2 | 2601 | 2129 | 0.43% | 0.032% |
| 58 | 16.712 | 2385 | 2387 | 2392 | rVB2 | 3197 | 3260 | 0.66% | 0.049% |
| 59 | 16.818 | 2401 | 2405 | 2410 | rVV3 | 10418 | 13483 | 2.71% | 0.202% |
| 60 | 16.865 | 2410 | 2413 | 2418 | rVB5 | 3021 | 4221 | 0.85% | 0.063% |
| 61 | 16.971 | 2429 | 2431 | 2434 | rVB2 | 2309 | 2175 | 0.44% | 0.033% |
| 62 | 17.053 | 2438 | 2445 | 2450 | rBV | 227825 | 309533 | 62.21% | 4.642% |
| 63 | 17.094 | 2450 | 2452 | 2456 | rVV | 13566 | 15762 | 3.17% | 0.236% |
| 64 | 17.153 | 2456 | 2462 | 2470 | rVB | 254925 | 358332 | 72.01% | 5.374% |
| 65 | 17.276 | 2481 | 2483 | 2486 | rBV3 | 1944 | 2126 | 0.43% | 0.032% |
| 66 | 17.347 | 2492 | 2495 | 2498 | rBV4 | 2516 | 3018 | 0.61% | 0.045% |
| 67 | 17.417 | 2504 | 2507 | 2509 | rBV2 | 2868 | 3160 | 0.64% | 0.047% |
| 68 | 17.558 | 2526 | 2531 | 2537 | rVB3 | 7544 | 10806 | 2.17% | 0.162% |
| 69 | 17.729 | 2558 | 2560 | 2562 | rVV2 | 3267 | 3300 | 0.66% | 0.049% |
| 70 | 17.764 | 2562 | 2566 | 2571 | rVB2 | 87508 | 101499 | 20.40% | 1.522% |
| 71 | 17.817 | 2572 | 2575 | 2576 | rBV | 2780 | 2380 | 0.48% | 0.036% |

LSC Area Percent Report

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Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

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-BG052915.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.958 | 2590 | 2599 | 2608 | rBV4 | 72573 | 119134 | 23.94% | 1.787% |
| 73 | 18.122 | 2621 | 2627 | 2631 | rBV7 | 7815 | 14813 | 2.98% | 0.222% |
| 74 | 18.157 | 2631 | 2633 | 2638 | rVB3 | 4530 | 5463 | 1.10% | 0.082% |
| 75 | 18.251 | 2644 | 2649 | 2654 | rBV4 | 5025 | 9844 | 1.98% | 0.148% |
| 76 | 18.328 | 2660 | 2662 | 2667 | rVB6 | 3388 | 3797 | 0.76% | 0.057% |
| 77 | 18.381 | 2669 | 2671 | 2676 | rVB3 | 2447 | 2473 | 0.50% | 0.037% |
| 78 | 18.422 | 2676 | 2678 | 2679 | rBV | 2736 | 2037 | 0.41% | 0.031% |
| 79 | 18.439 | 2679 | 2681 | 2684 | rVB4 | 2026 | 2166 | 0.44% | 0.032% |
| 80 | 18.528 | 2693 | 2696 | 2703 | rVB4 | 9598 | 12848 | 2.58% | 0.193% |
| 81 | 18.804 | 2740 | 2743 | 2745 | rBV4 | 4246 | 4055 | 0.81% | 0.061% |
| 82 | 18.863 | 2748 | 2753 | 2755 | rBV4 | 5492 | 10464 | 2.10% | 0.157% |
| 83 | 19.115 | 2792 | 2796 | 2801 | rBV | 50763 | 70152 | 14.10% | 1.052% |
| 84 | 19.174 | 2805 | 2806 | 2810 | rVB3 | 7460 | 6356 | 1.28% | 0.095% |
| 85 | 19.244 | 2815 | 2818 | 2825 | rVV7 | 12918 | 20734 | 4.17% | 0.311% |
| 86 | 19.456 | 2848 | 2854 | 2866 | rVB2 | 305844 | 497590 | 100.00% | 7.462% |
| 87 | 19.544 | 2866 | 2869 | 2870 | rBV3 | 4602 | 4322 | 0.87% | 0.065% |
| 88 | 19.603 | 2875 | 2879 | 2882 | rBV6 | 7002 | 9244 | 1.86% | 0.139% |
| 89 | 19.803 | 2910 | 2913 | 2916 | rBV5 | 7883 | 9992 | 2.01% | 0.150% |
| 90 | 19.979 | 2939 | 2943 | 2947 | rVB6 | 15158 | 18834 | 3.79% | 0.282% |
| 91 | 20.960 | 3106 | 3110 | 3118 | rBV3 | 85606 | 128535 | 25.83% | 1.928% |
| 92 | 21.160 | 3141 | 3144 | 3149 | rVB | 73516 | 81692 | 16.42% | 1.225% |
| 93 | 21.242 | 3152 | 3158 | 3162 | rBV | 265489 | 381799 | 76.73% | 5.726% |
| 94 | 22.523 | 3372 | 3376 | 3382 | rVB | 98667 | 141330 | 28.40% | 2.120% |
| 95 | 22.799 | 3419 | 3423 | 3427 | rBV3 | 76707 | 139367 | 28.01% | 2.090% |
| 96 | 22.846 | 3428 | 3431 | 3441 | rVB2 | 136406 | 222916 | 44.80% | 3.343% |
| 97 | 23.087 | 3466 | 3472 | 3481 | rBV | 242791 | 420483 | 84.50% | 6.306% |
| 98 | 23.346 | 3510 | 3516 | 3521 | rBV2 | 179697 | 333994 | 67.12% | 5.009% |
| 99 | 23.487 | 3535 | 3540 | 3547 | rVB | 167075 | 296425 | 59.57% | 4.446% |
| 100 | 24.021 | 3628 | 3631 | 3638 | rVB2 | 89057 | 157867 | 31.73% | 2.368% |

Sum of corrected areas: 6667957

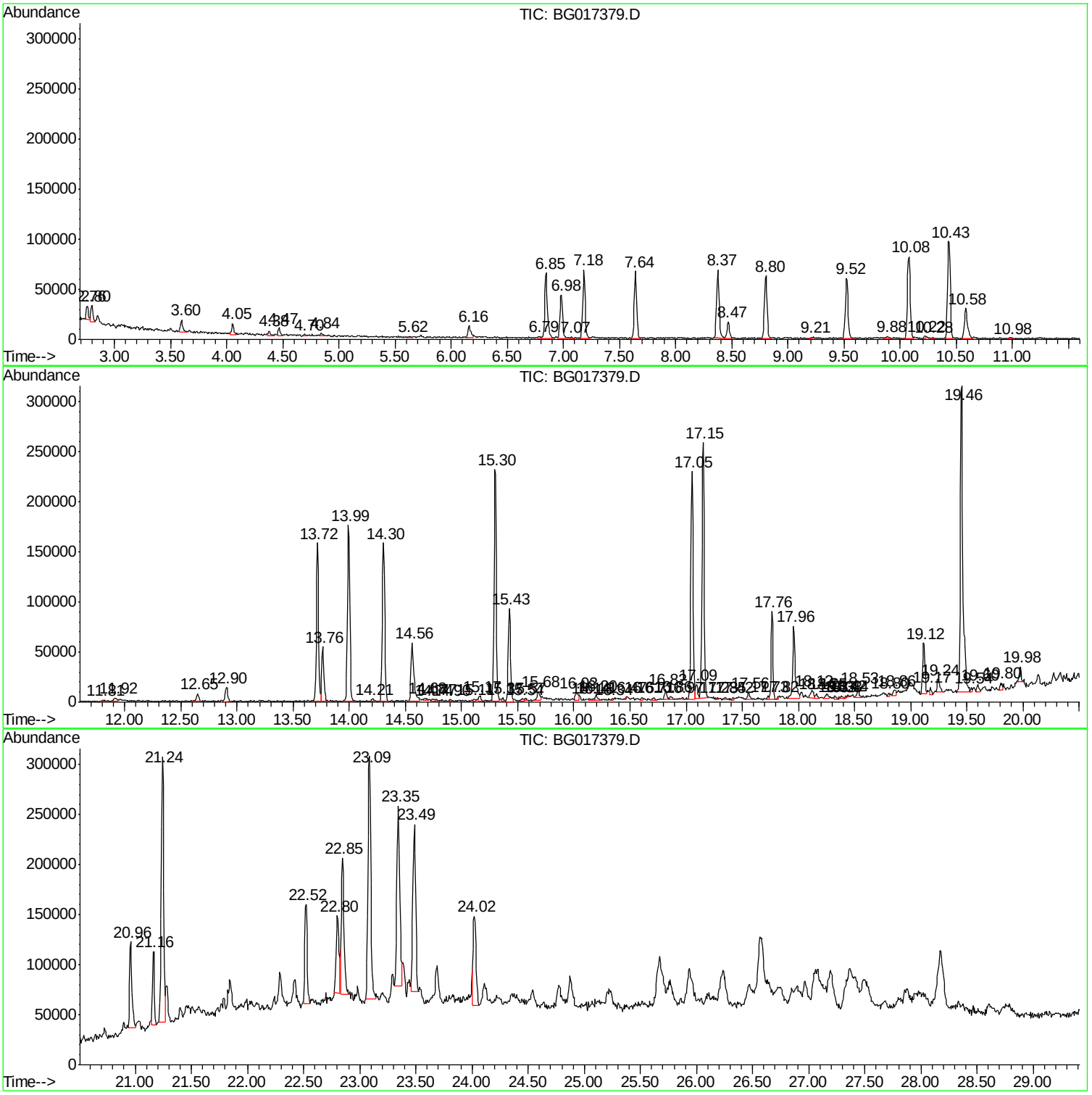
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

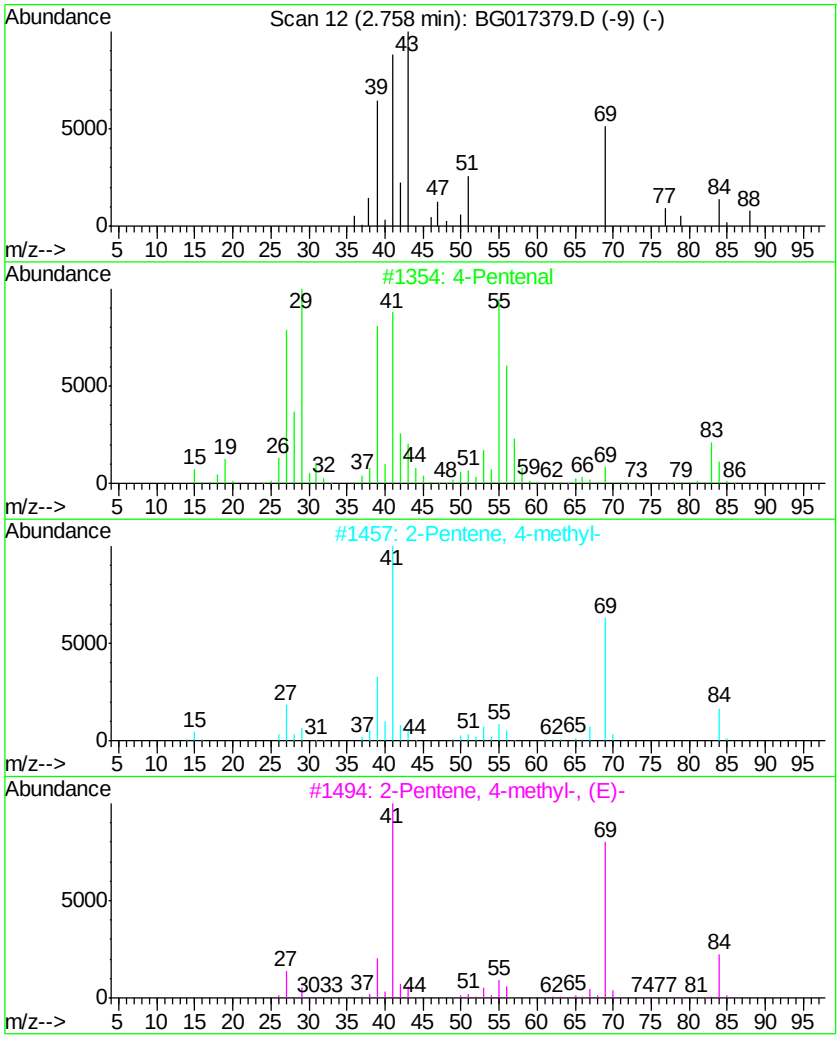
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

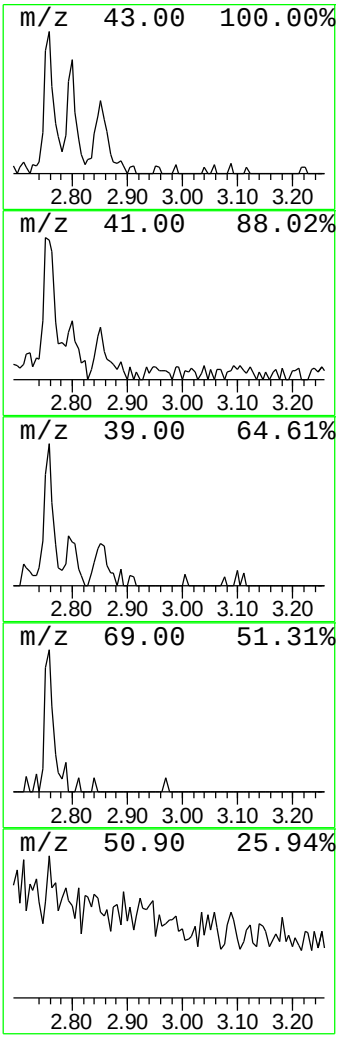
**********

Peak Number 1 unknown-01 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.76 | 3.11 ng/ul | 16294 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Pentenal | 84 | C5H8O | 002100-17-6 | 23 |
| 2 | 2-Pentene, 4-methyl- | 84 | C6H12 | 004461-48-7 | 9 |
| 3 | 2-Pentene, 4-methyl-, (E)- | 84 | C6H12 | 000674-76-0 | 9 |
| 4 | 3-Penten-2-one | 84 | C5H8O | 000625-33-2 | 9 |
| 5 | 3-Butenoic acid | 86 | C4H6O2 | 000625-38-7 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

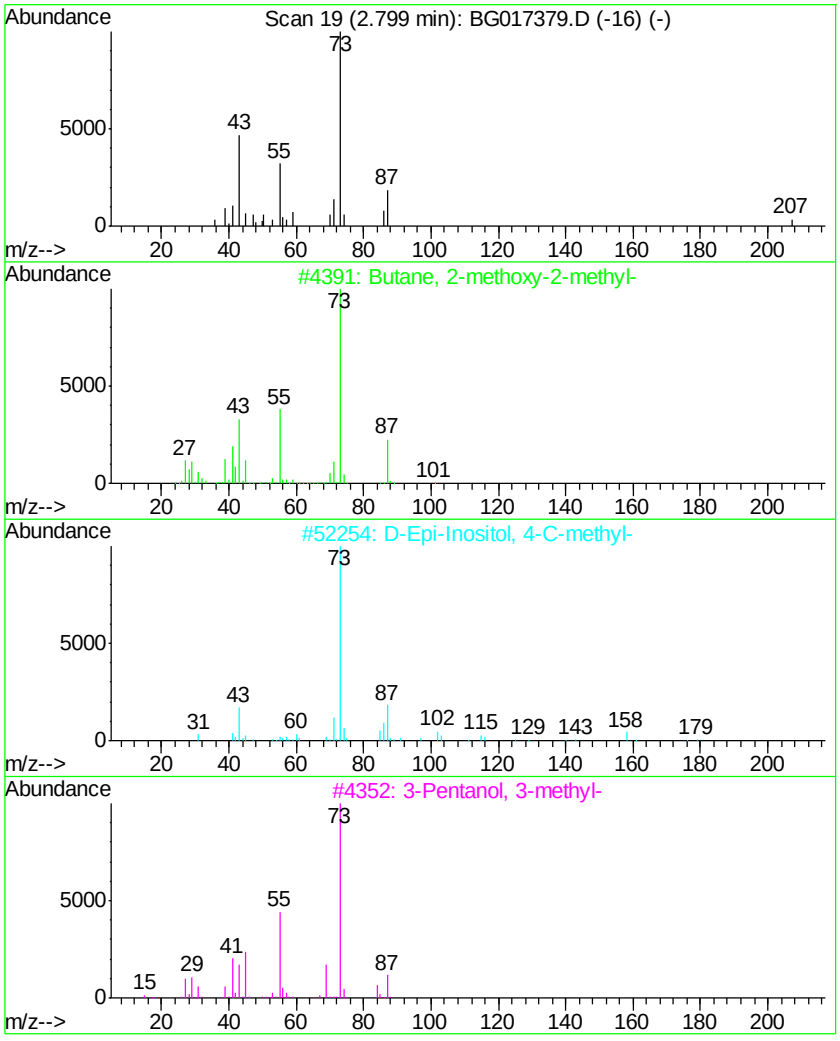
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

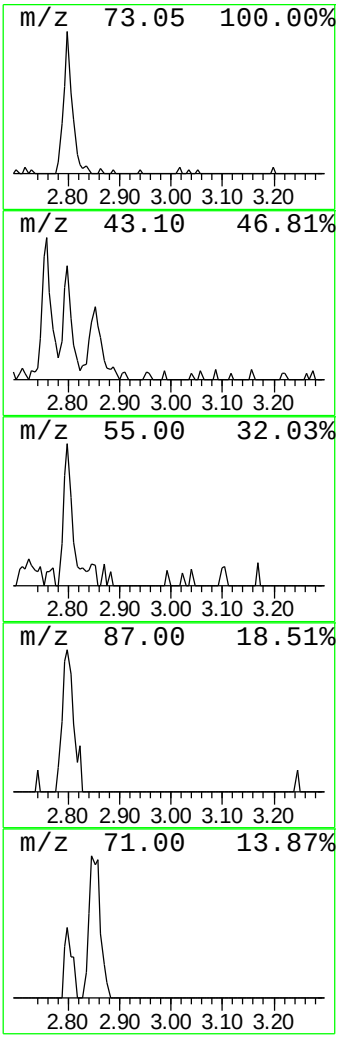
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.80 | 3.92 ng/ul | 20501 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 59 |
| 2 | D-Epi-Inositol, 4-C-methyl- | 194 | C7H14O6 | 040788-89-4 | 36 |
| 3 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 23 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 9 |
| 5 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

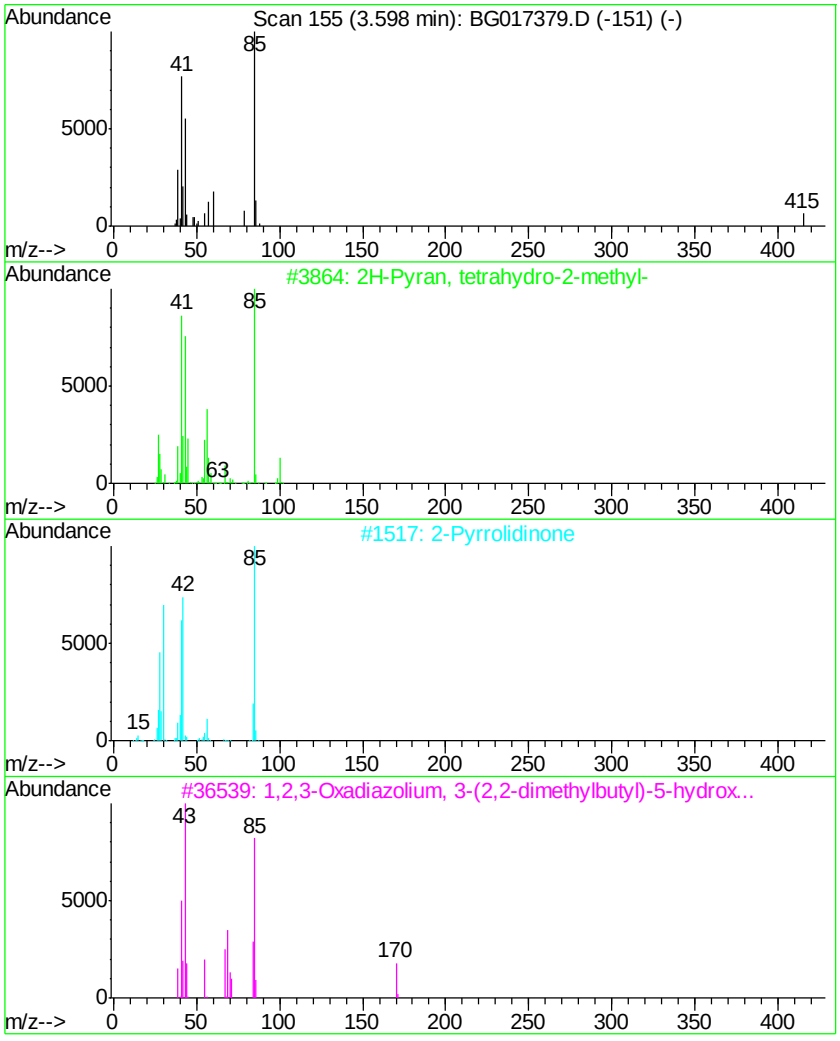
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

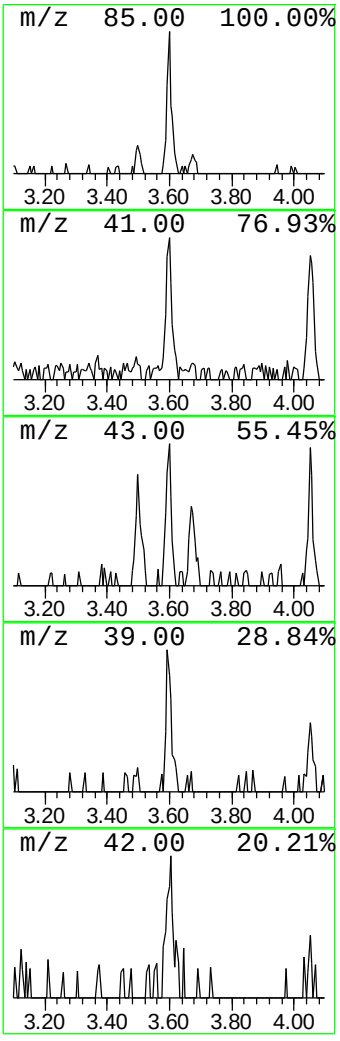
**********

Peak Number 3 unknown-02 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.60 | 3.05 ng/ul | 15994 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 39 |
| 2 | 2-Pyrrolidinone | 85 | C4H7NO | 000616-45-5 | 9 |
| 3 | 1,2,3-Oxadiazolium, 3-(2,2-dimet... | 170 | C8H14N2O2 | 054460-94-5 | 9 |
| 4 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 9 |
| 5 | Oxirane, (2-methylpropyl)- | 100 | C6H12O | 023850-78-4 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

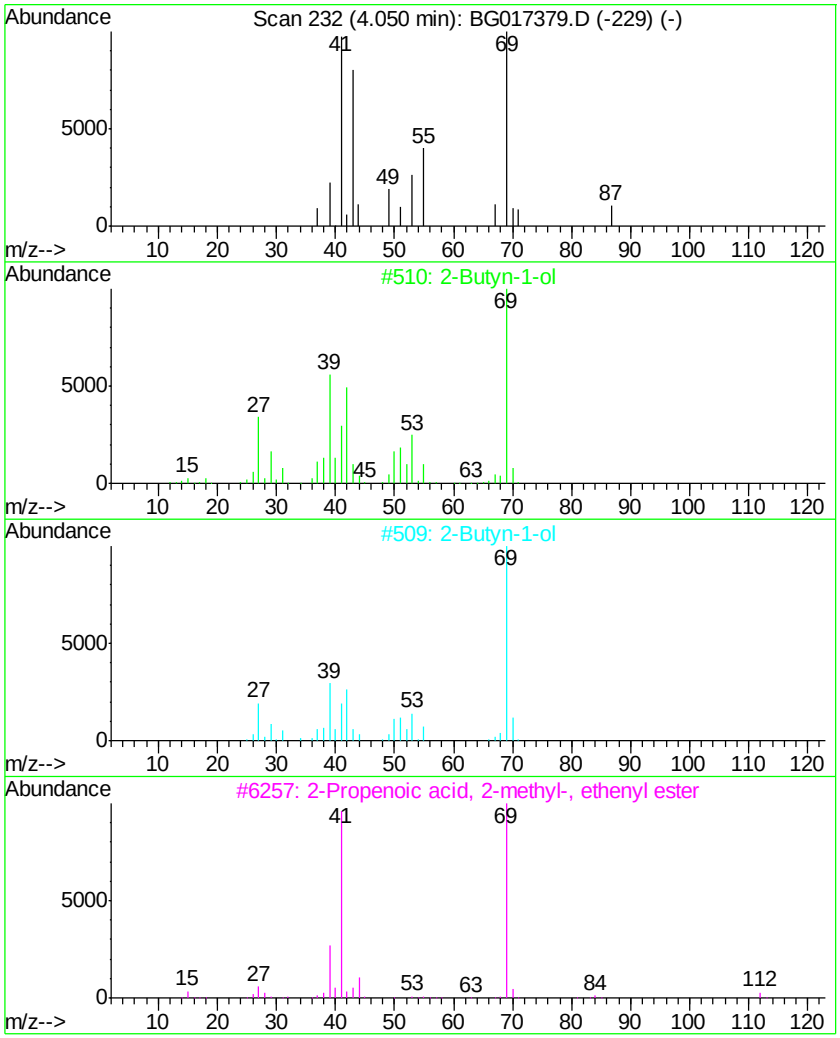
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

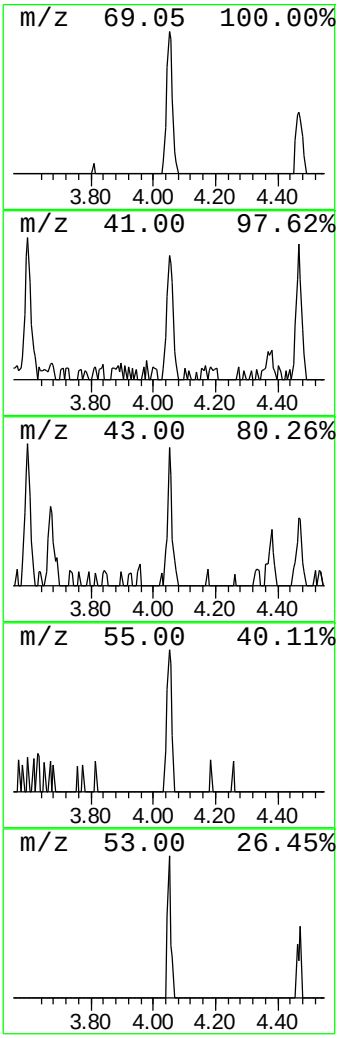
**********

Peak Number 4 unknown-03 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.05 | 2.90 ng/ul | 15209 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butyn-1-ol | 70 | C4H6O | 000764-01-2 | 38 |
| 2 | 2-Butyn-1-ol | 70 | C4H6O | 000764-01-2 | 9 |
| 3 | 2-Propenoic acid, 2-methyl-, eth... | 112 | C6H8O2 | 004245-37-8 | 9 |
| 4 | 3-Butyn-2-ol, 2-methyl- | 84 | C5H8O | 000115-19-5 | 9 |
| 5 | 1,5-Heptadiene, 3,6-dimethyl- | 124 | C9H16 | 034891-10-6 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

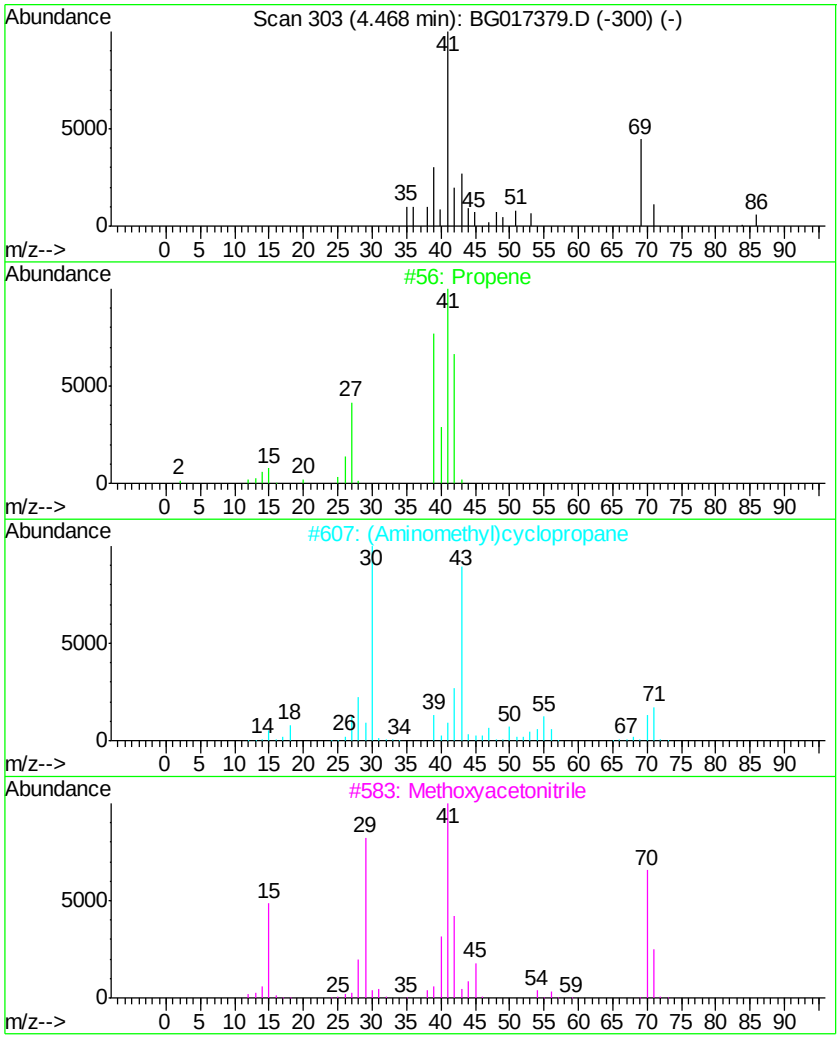
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

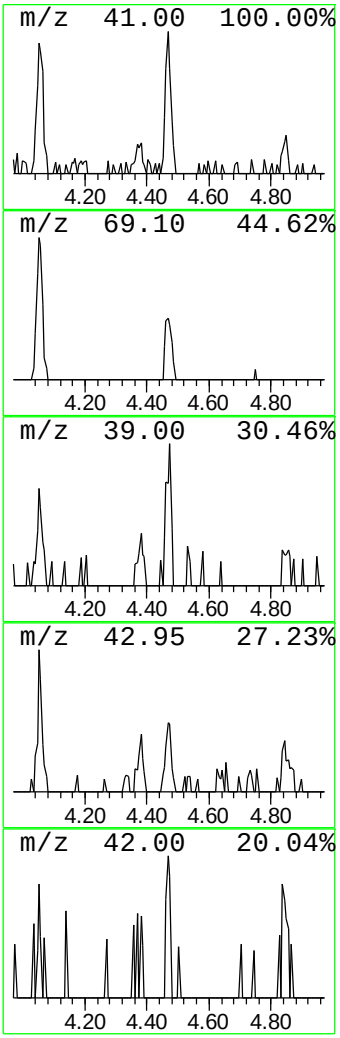
**********

Peak Number 5 (DEL) Alkane: Cyclic-01 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.47 | 2.01 ng/ul | 10539 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 7 |
| 2 | (Aminomethyl)cyclopropane | 71 | C4H9N | 002516-47-4 | 5 |
| 3 | Methoxyacetonitrile | 71 | C3H5NO | 001738-36-9 | 5 |
| 4 | 1-Pentene, 5-chloro- | 104 | C5H9Cl | 000928-50-7 | 4 |
| 5 | dl-4-Amino-3-hydroxybutyric acid | 119 | C4H9NO3 | 000352-21-6 | 4 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

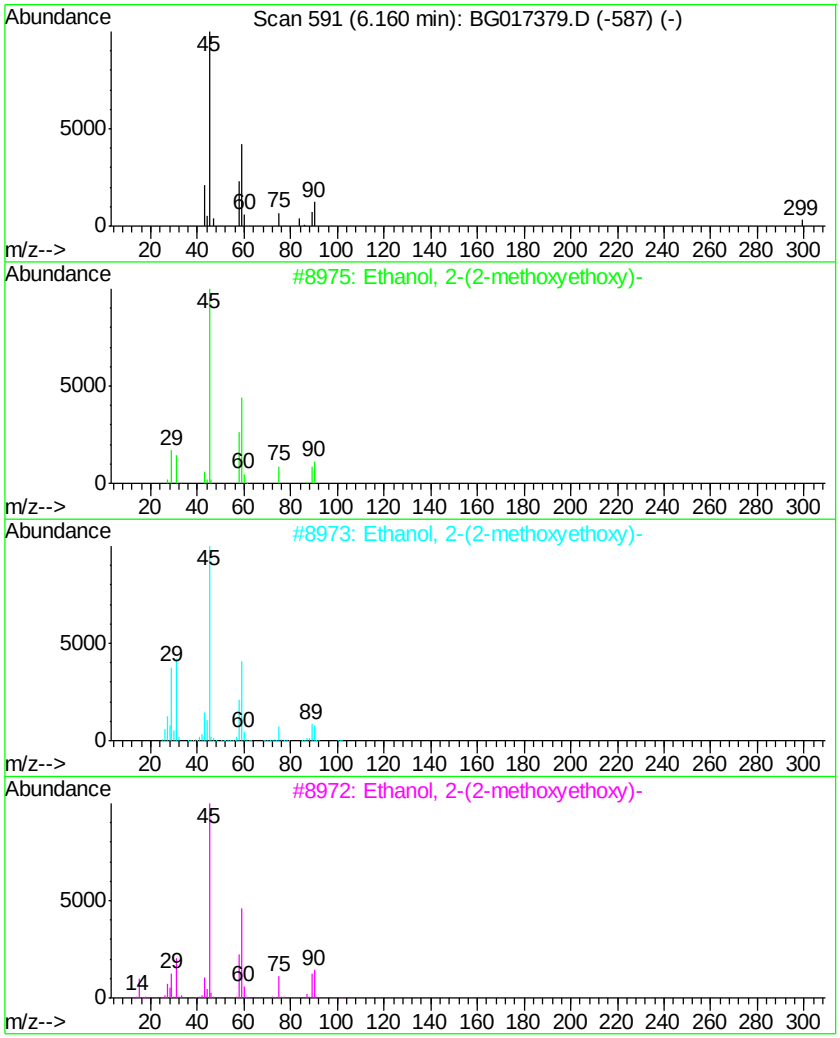
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

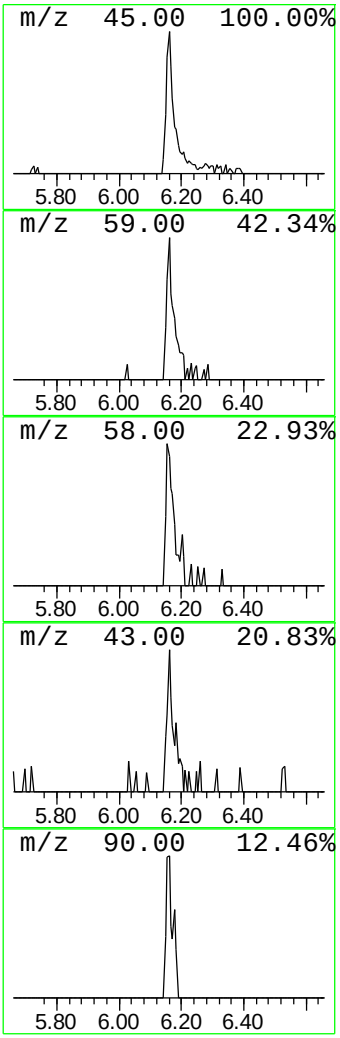
**********

Peak Number 6 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.16 | 3.69 ng/ul | 19296 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 78 |
| 2 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 74 |
| 3 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 40 |
| 4 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 9 |
| 5 | Acetamide, 2-(2-hydroxyethoxy)- | 119 | C4H9NO3 | 000123-85-3 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

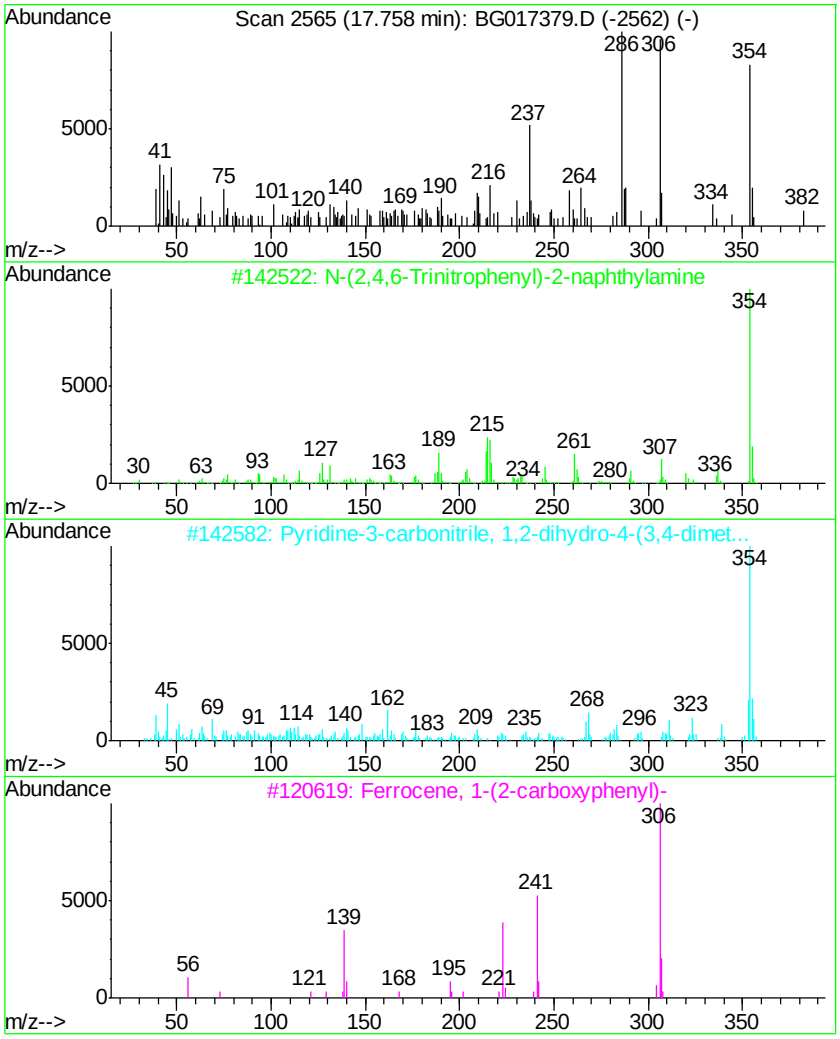
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

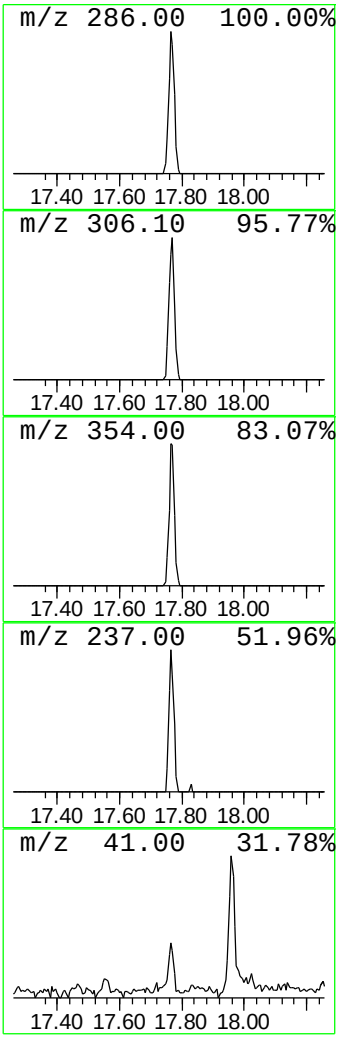
**********

Peak Number 7 unknown-04 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.76 | 6.56 ng/ul | 101499 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-(2,4,6-Trinitrophenyl)-2-napht... | 354 | C16H10N4O6 | 033963-99-4 | 35 |
| 2 | Pyridine-3-carbonitrile, 1,2-dih... | 354 | C18H14N2O2S2 | 1000265-38-0 | 25 |
| 3 | Ferrocene, 1-(2-carboxyphenyl)- | 306 | C17H14FeO2 | 032876-85-0 | 25 |
| 4 | 2-Dimethylamino-3-methyl(phenyl)... | 306 | C19H18N2O2 | 134614-10-1 | 25 |
| 5 | Acetamide, 2,2,2-trifluoro-N-(1,... | 355 | C16H16F3N3OS | 1000276-47-1 | 15 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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

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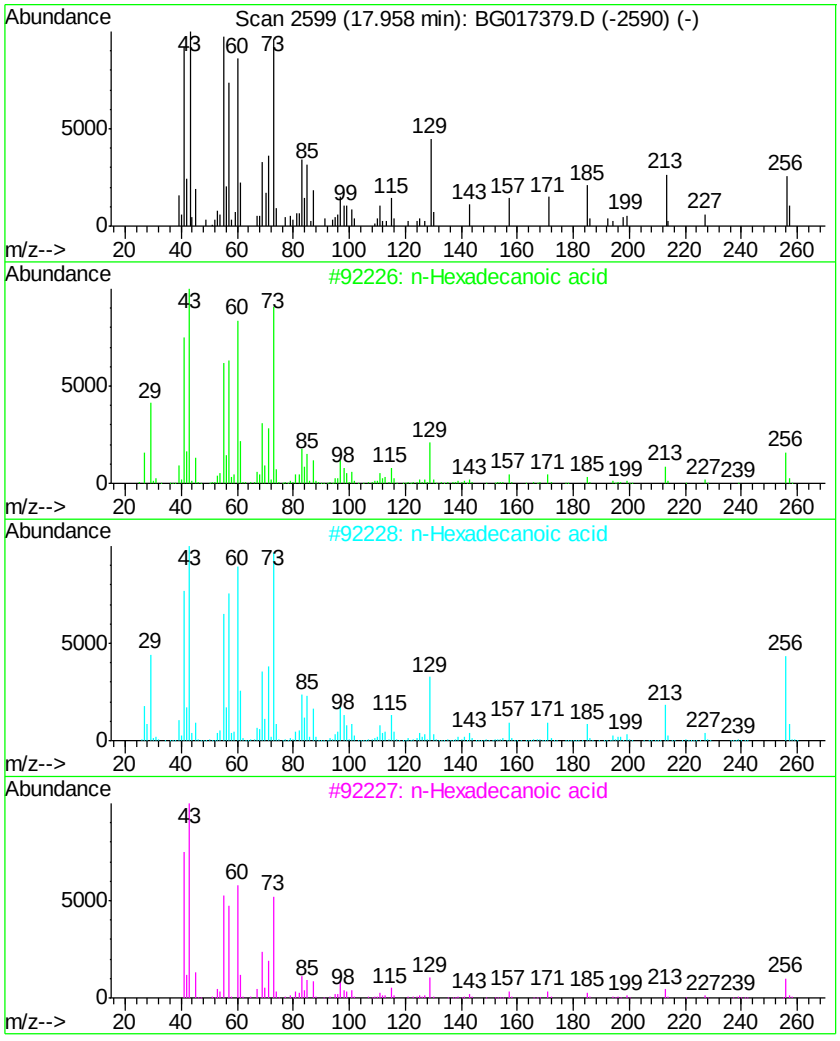
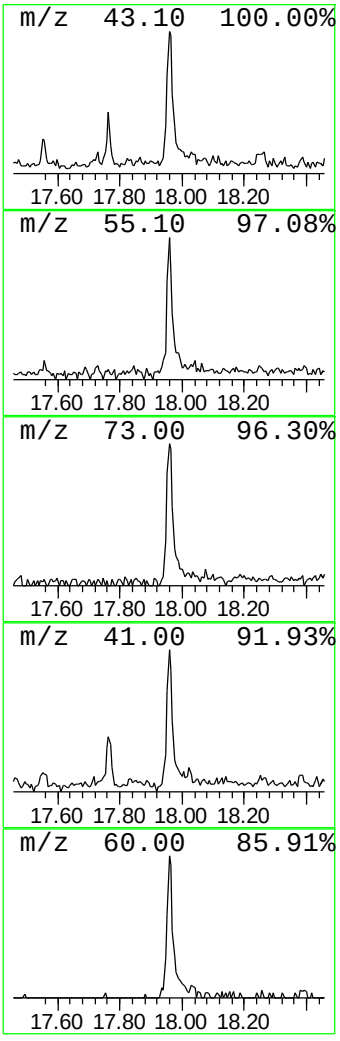
Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 7.70 ng/ul | 119134 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 76 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 68 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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

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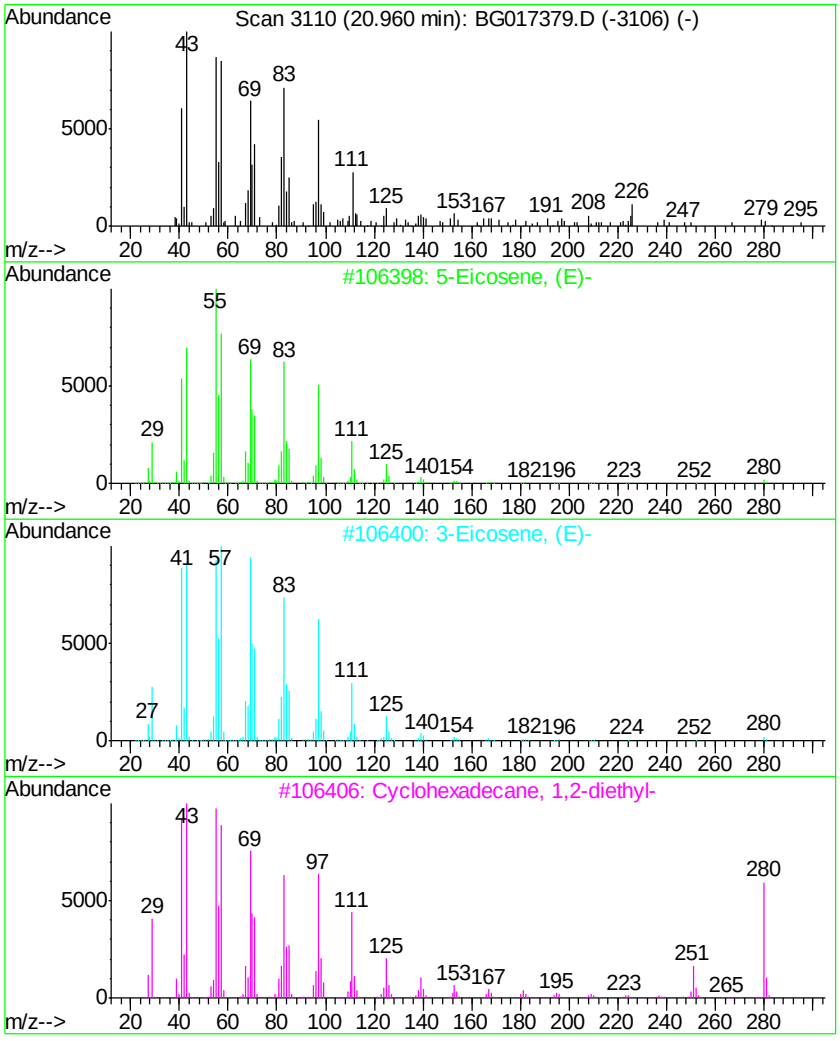
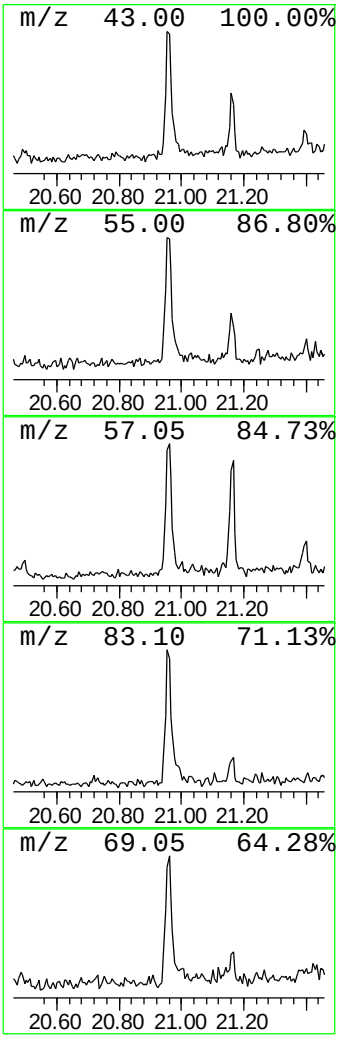
Peak Number 9 (DEL) Alkane: Cyclic-02 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.96 | 6.73 ng/ul | 128535 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 3 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 91 |
| 4 | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2 | 000400-57-7 | 90 |
| 5 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 87 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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

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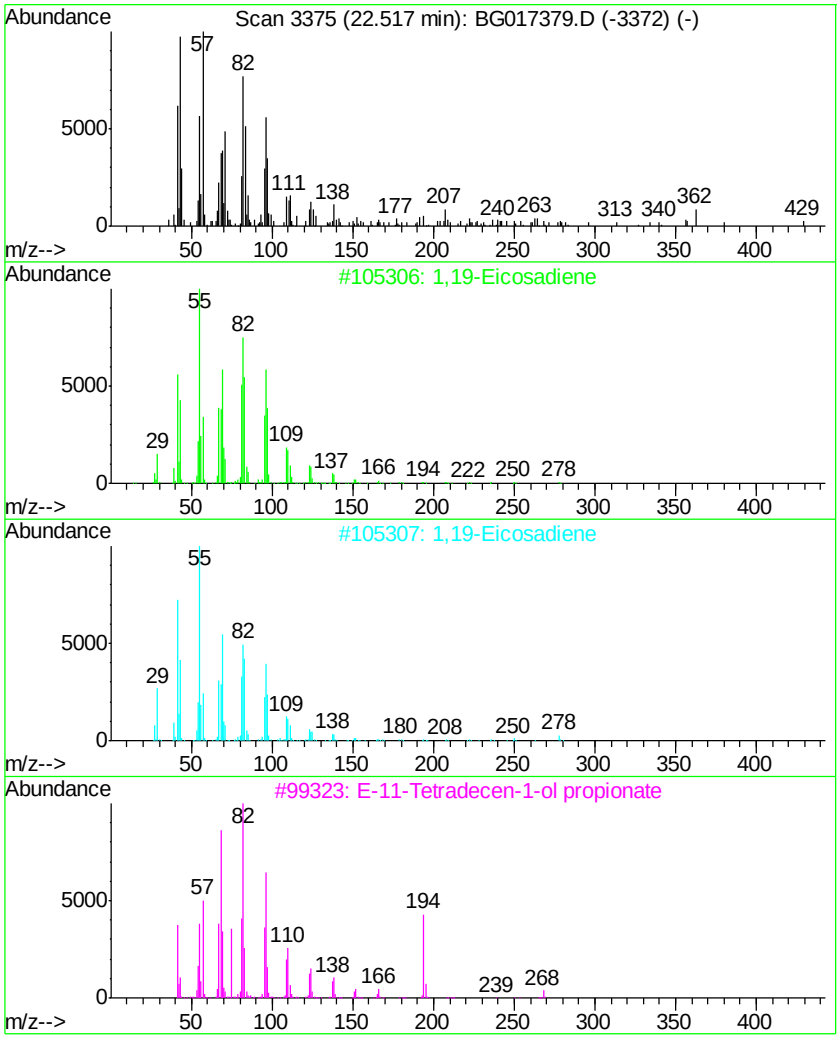
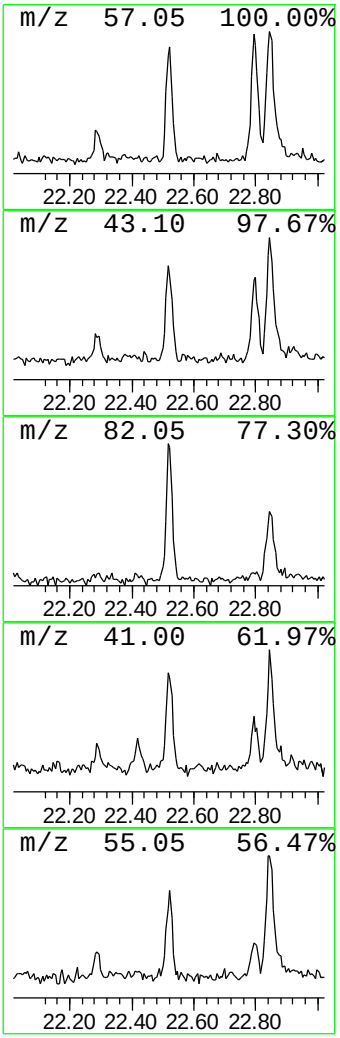
Peak Number 10 1,19-Eicosadiene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.52 | 9.54 ng/ul | 141330 | Perylene-d12 | 23.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 94 |
| 2 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 93 |
| 3 | E-11-Tetradecen-1-ol propionate | 268 | C17H32O2 | 1000130-77-2 | 92 |
| 4 | Bicyclo[10.8.0]eicosane, (E)- | 278 | C20H38 | 1000155-85-0 | 91 |
| 5 | Octadecanal | 268 | C18H36O | 000638-66-4 | 87 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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

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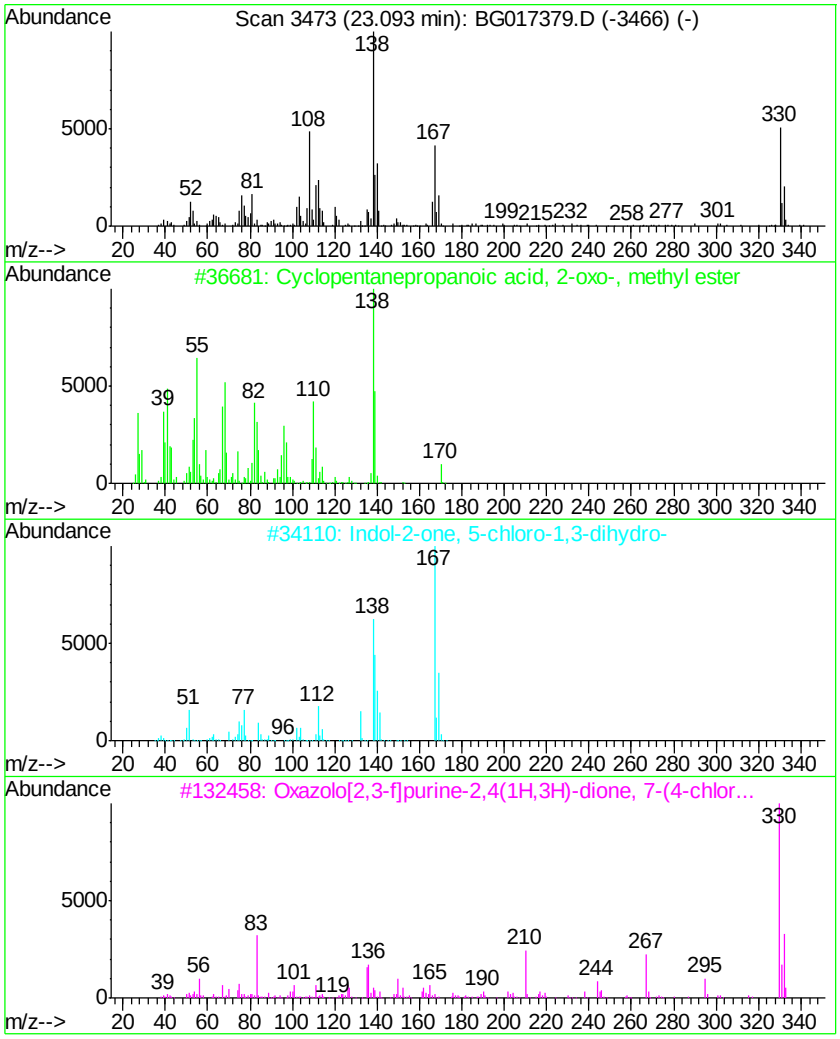
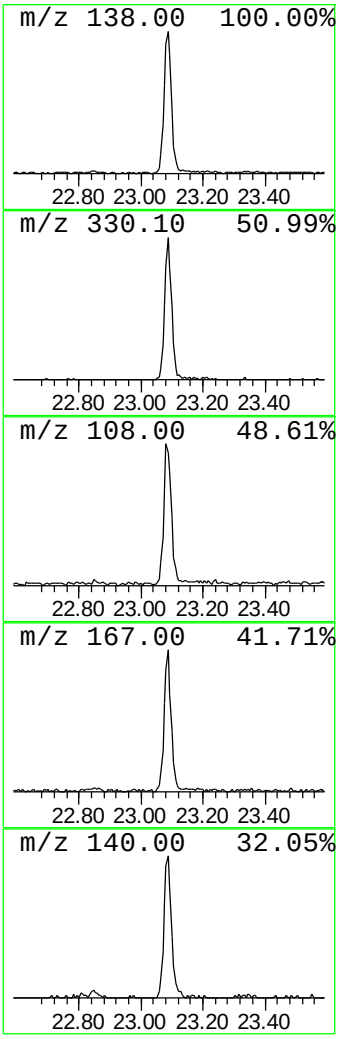
Peak Number 11 unknown-05 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.09 | 28.37 ng/ul | 420483 | Perylene-d12 | 23.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanepropanoic acid, 2-ox... | 170 | C9H14O3 | 010407-36-0 | 22 |
| 2 | Indol-2-one, 5-chloro-1,3-dihydro- | 167 | C8H6ClNO | 017630-75-0 | 18 |
| 3 | Oxazolo[2,3-f]purine-2,4(1H,3H)-... | 330 | C15H11ClN4O3 | 1000272-53-4 | 15 |
| 4 | 2-Azafluorene | 167 | C12H9N | 000244-40-6 | 15 |
| 5 | Benzene, 1,4-dimethoxy- | 138 | C8H10O2 | 000150-78-7 | 14 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION

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

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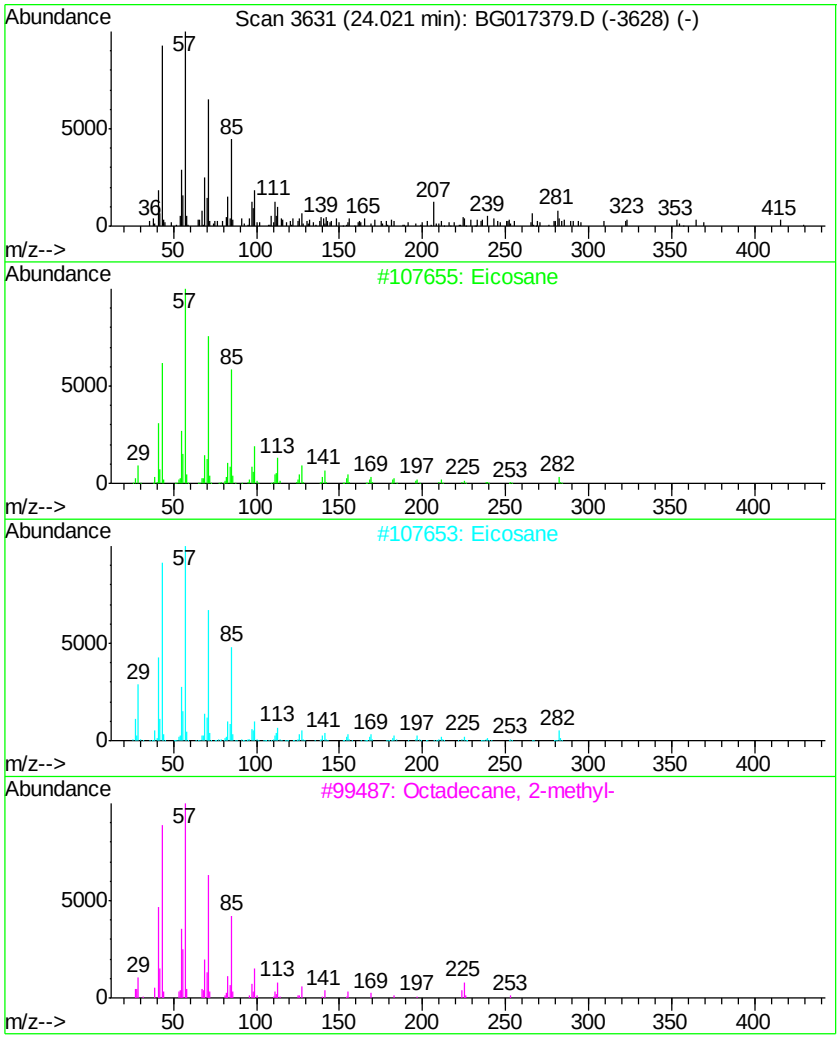
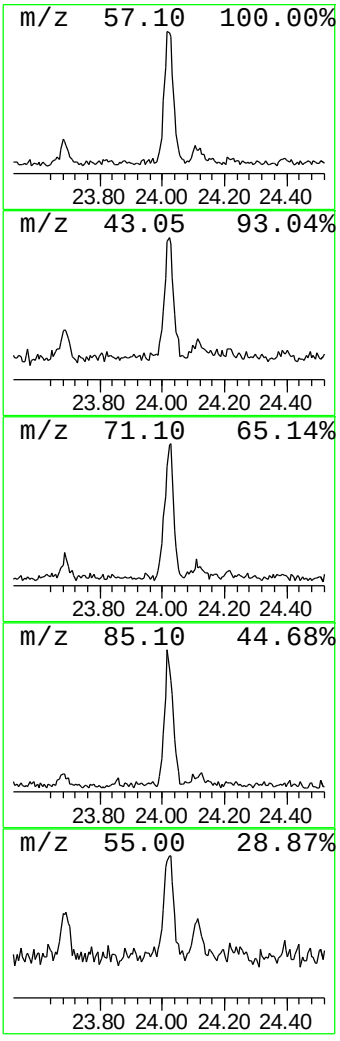
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.02 | 10.65 ng/ul | 157867 | Perylene-d12 | 23.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 92 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 70 |
| 3 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 58 |
| 4 | Tetracosane, 11-decyl- | 479 | C34H70 | 055429-84-0 | 58 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 58 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060115\
Data File : BG017379.D
Acq On : 1 Jun 2015 21:54
Operator : TP/IZ
Sample : G2431-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCRF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.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 |
| unknown-01 | 2.76 | 3.1 | ng/ul | 16294 | 1 | 7.64 | 104726 | 20.0 |
| Butane, 2-methoxy... | 2.80 | 3.9 | ng/ul | 20501 | 1 | 7.64 | 104726 | 20.0 |
| unknown-02 | 3.60 | 3.0 | ng/ul | 15994 | 1 | 7.64 | 104726 | 20.0 |
| unknown-03 | 4.05 | 2.9 | ng/ul | 15209 | 1 | 7.64 | 104726 | 20.0 |
| (DEL) Alkane: Cyc... | 4.47 | 2.0 | ng/ul | 10539 | 1 | 7.64 | 104726 | 20.0 |
| Ethanol, 2-(2-met... | 6.16 | 3.7 | ng/ul | 19296 | 1 | 7.64 | 104726 | 20.0 |
| unknown-04 | 17.76 | 6.6 | ng/ul | 101499 | 4 | 17.05 | 309533 | 20.0 |
| n-Hexadecanoic acid | 17.96 | 7.7 | ng/ul | 119134 | 4 | 17.05 | 309533 | 20.0 |
| (DEL) Alkane: Cyc... | 20.96 | 6.7 | ng/ul | 128535 | 5 | 21.24 | 381799 | 20.0 |
| 1,19-Eicosadiene | 22.52 | 9.5 | ng/ul | 141330 | 6 | 23.49 | 296425 | 20.0 |
| unknown-05 | 23.09 | 28.4 | ng/ul | 420483 | 6 | 23.49 | 296425 | 20.0 |
| (DEL) Alkane: Str... | 24.02 | 10.7 | ng/ul | 157867 | 6 | 23.49 | 296425 | 20.0 |