LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.178 | 54 | 58 | 64 | rVB3 | 13325 | 26439 | 0.92% | 0.074% |
| 2 | 3.613 | 126 | 132 | 142 | rBV8 | 20261 | 49546 | 1.73% | 0.138% |
| 3 | 3.906 | 181 | 182 | 190 | rVB5 | 9669 | 15417 | 0.54% | 0.043% |
| 4 | 4.371 | 259 | 261 | 266 | rVB6 | 10486 | 15692 | 0.55% | 0.044% |
| 5 | 4.470 | 277 | 278 | 283 | rVB4 | 7151 | 9929 | 0.35% | 0.028% |
| 6 | 5.317 | 417 | 422 | 427 | rBV6 | 9661 | 10599 | 0.37% | 0.030% |
| 7 | 6.750 | 658 | 666 | 672 | rBV7 | 30252 | 73041 | 2.55% | 0.204% |
| 8 | 6.909 | 685 | 693 | 700 | rVV4 | 60793 | 118933 | 4.15% | 0.332% |
| 9 | 7.220 | 739 | 746 | 757 | rVB3 | 47071 | 98312 | 3.43% | 0.274% |
| 10 | 7.391 | 767 | 775 | 790 | rVV2 | 378320 | 813337 | 28.37% | 2.268% |
| 11 | 7.561 | 795 | 804 | 817 | rVB | 275039 | 463833 | 16.18% | 1.293% |
| 12 | 7.673 | 817 | 823 | 828 | rBV10 | 11906 | 29066 | 1.01% | 0.081% |
| 13 | 7.772 | 832 | 840 | 848 | rBV | 348115 | 624364 | 21.78% | 1.741% |
| 14 | 8.248 | 913 | 921 | 929 | rVB3 | 315095 | 561639 | 19.59% | 1.566% |
| 15 | 8.366 | 936 | 941 | 944 | rBV4 | 9770 | 11098 | 0.39% | 0.031% |
| 16 | 8.460 | 952 | 957 | 962 | rBV5 | 17444 | 32235 | 1.12% | 0.090% |
| 17 | 8.942 | 1031 | 1039 | 1048 | rBV | 460006 | 837593 | 29.22% | 2.336% |
| 18 | 9.018 | 1048 | 1052 | 1056 | rVB6 | 7262 | 11785 | 0.41% | 0.033% |
| 19 | 9.077 | 1056 | 1062 | 1071 | rBV4 | 11189 | 27352 | 0.95% | 0.076% |
| 20 | 9.423 | 1114 | 1121 | 1130 | rBV | 370490 | 665936 | 23.23% | 1.857% |
| 21 | 9.494 | 1130 | 1133 | 1142 | rVB7 | 5526 | 11669 | 0.41% | 0.033% |
| 22 | 9.764 | 1170 | 1179 | 1183 | rVV8 | 8210 | 17645 | 0.62% | 0.049% |
| 23 | 10.052 | 1222 | 1228 | 1232 | rVB6 | 5230 | 9796 | 0.34% | 0.027% |
| 24 | 10.152 | 1236 | 1245 | 1253 | rBV2 | 332874 | 635293 | 22.16% | 1.772% |
| 25 | 10.487 | 1296 | 1302 | 1307 | rVB8 | 9097 | 19979 | 0.70% | 0.056% |
| 26 | 10.687 | 1327 | 1336 | 1350 | rVB | 478290 | 920154 | 32.10% | 2.566% |
| 27 | 10.839 | 1357 | 1362 | 1368 | rVB8 | 10732 | 17363 | 0.61% | 0.048% |
| 28 | 11.074 | 1390 | 1402 | 1411 | rBV | 442762 | 863104 | 30.11% | 2.407% |
| 29 | 11.210 | 1417 | 1425 | 1436 | rBV | 369941 | 727145 | 25.37% | 2.028% |
| 30 | 11.368 | 1445 | 1452 | 1460 | rVB8 | 4817 | 13767 | 0.48% | 0.038% |
| 31 | 11.827 | 1524 | 1530 | 1533 | rBV5 | 5953 | 12199 | 0.43% | 0.034% |
| 32 | 12.396 | 1621 | 1627 | 1638 | rBV2 | 85909 | 141771 | 4.95% | 0.395% |
| 33 | 12.637 | 1662 | 1668 | 1677 | rVB6 | 15767 | 34961 | 1.22% | 0.097% |
| 34 | 13.049 | 1733 | 1738 | 1741 | rVB4 | 5639 | 10675 | 0.37% | 0.030% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.219 | 1763 | 1767 | 1772 | rVV6 | 6856 | 14362 | 0.50% | 0.040% |
| 36 | 13.724 | 1846 | 1853 | 1860 | rVB8 | 24587 | 43320 | 1.51% | 0.121% |
| 37 | 14.177 | 1925 | 1930 | 1935 | rBV6 | 51321 | 77481 | 2.70% | 0.216% |
| 38 | 14.259 | 1937 | 1944 | 1948 | rBV | 970736 | 1430383 | 49.90% | 3.989% |
| 39 | 14.306 | 1948 | 1952 | 1961 | rVB | 366208 | 545964 | 19.05% | 1.523% |
| 40 | 14.565 | 1989 | 1996 | 2006 | rVV | 967566 | 1596971 | 55.71% | 4.453% |
| 41 | 14.688 | 2013 | 2017 | 2020 | rBV4 | 10888 | 20728 | 0.72% | 0.058% |
| 42 | 14.800 | 2032 | 2036 | 2040 | rBV7 | 8622 | 15377 | 0.54% | 0.043% |
| 43 | 14.864 | 2040 | 2047 | 2055 | rVV | 795010 | 1331367 | 46.45% | 3.713% |
| 44 | 14.923 | 2055 | 2057 | 2060 | rVB3 | 14820 | 16016 | 0.56% | 0.045% |
| 45 | 15.046 | 2071 | 2078 | 2091 | rBV | 447637 | 817457 | 28.52% | 2.280% |
| 46 | 15.158 | 2093 | 2097 | 2102 | rVB6 | 17549 | 22993 | 0.80% | 0.064% |
| 47 | 15.622 | 2172 | 2176 | 2179 | rBV4 | 17211 | 25493 | 0.89% | 0.071% |
| 48 | 15.663 | 2179 | 2183 | 2187 | rVB | 37791 | 45025 | 1.57% | 0.126% |
| 49 | 15.763 | 2195 | 2200 | 2205 | rBV6 | 8962 | 21289 | 0.74% | 0.059% |
| 50 | 15.851 | 2207 | 2215 | 2227 | rBV | 1289701 | 2093040 | 73.02% | 5.837% |
| 51 | 15.963 | 2227 | 2234 | 2244 | rBV | 512412 | 811809 | 28.32% | 2.264% |
| 52 | 16.057 | 2247 | 2250 | 2252 | rBV4 | 9077 | 12355 | 0.43% | 0.034% |
| 53 | 16.092 | 2253 | 2256 | 2264 | rVB6 | 24640 | 41047 | 1.43% | 0.114% |
| 54 | 16.221 | 2273 | 2278 | 2280 | rBV4 | 10735 | 11091 | 0.39% | 0.031% |
| 55 | 16.274 | 2285 | 2287 | 2294 | rVB8 | 8031 | 12927 | 0.45% | 0.036% |
| 56 | 16.521 | 2324 | 2329 | 2338 | rVB3 | 28233 | 60680 | 2.12% | 0.169% |
| 57 | 16.727 | 2360 | 2364 | 2370 | rBV8 | 9448 | 19566 | 0.68% | 0.055% |
| 58 | 16.803 | 2374 | 2377 | 2384 | rVB8 | 5772 | 9604 | 0.34% | 0.027% |
| 59 | 16.885 | 2384 | 2391 | 2395 | rBV10 | 17108 | 34827 | 1.22% | 0.097% |
| 60 | 17.120 | 2429 | 2431 | 2437 | rVB7 | 9906 | 15414 | 0.54% | 0.043% |
| 61 | 17.314 | 2459 | 2464 | 2469 | rBV2 | 38186 | 58525 | 2.04% | 0.163% |
| 62 | 17.367 | 2469 | 2473 | 2475 | rVV4 | 9969 | 11737 | 0.41% | 0.033% |
| 63 | 17.397 | 2476 | 2478 | 2484 | rVB4 | 10899 | 16781 | 0.59% | 0.047% |
| 64 | 17.608 | 2506 | 2514 | 2525 | rBV | 1087613 | 1808217 | 63.08% | 5.043% |
| 65 | 17.708 | 2525 | 2531 | 2546 | rVB2 | 1487022 | 2327762 | 81.21% | 6.491% |
| 66 | 17.849 | 2550 | 2555 | 2558 | rBV6 | 8376 | 16296 | 0.57% | 0.045% |
| 67 | 17.919 | 2562 | 2567 | 2569 | rBV4 | 10477 | 17747 | 0.62% | 0.049% |
| 68 | 18.049 | 2583 | 2589 | 2598 | rBV6 | 31991 | 61858 | 2.16% | 0.173% |
| 69 | 18.231 | 2613 | 2620 | 2626 | rVB8 | 88092 | 132990 | 4.64% | 0.371% |
| 70 | 18.337 | 2633 | 2638 | 2640 | rBV6 | 10717 | 17508 | 0.61% | 0.049% |
| 71 | 18.448 | 2652 | 2657 | 2666 | rBV6 | 114387 | 186833 | 6.52% | 0.521% |

LSC Area Percent Report

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Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 18.536 | 2666 | 2672 | 2677 | rVV | 59073 | 96688 | 3.37% | 0.270% |
| 73 | 18.660 | 2690 | 2693 | 2700 | rVB8 | 12744 | 20408 | 0.71% | 0.057% |
| 74 | 18.742 | 2704 | 2707 | 2711 | rVB6 | 16948 | 22769 | 0.79% | 0.063% |
| 75 | 18.824 | 2716 | 2721 | 2725 | rBV8 | 6594 | 12231 | 0.43% | 0.034% |
| 76 | 18.871 | 2726 | 2729 | 2734 | rVB7 | 11087 | 19231 | 0.67% | 0.054% |
| 77 | 18.983 | 2742 | 2748 | 2749 | rBV5 | 10986 | 16243 | 0.57% | 0.045% |
| 78 | 19.053 | 2756 | 2760 | 2764 | rVB6 | 27135 | 31581 | 1.10% | 0.088% |
| 79 | 19.106 | 2766 | 2769 | 2775 | rVB8 | 18640 | 23099 | 0.81% | 0.064% |
| 80 | 19.194 | 2780 | 2784 | 2789 | rVB5 | 34993 | 52971 | 1.85% | 0.148% |
| 81 | 19.388 | 2812 | 2817 | 2831 | rBV2 | 389094 | 556757 | 19.42% | 1.553% |
| 82 | 19.612 | 2852 | 2855 | 2857 | rBV3 | 25344 | 26471 | 0.92% | 0.074% |
| 83 | 19.647 | 2858 | 2861 | 2864 | rVB2 | 29925 | 37154 | 1.30% | 0.104% |
| 84 | 19.823 | 2888 | 2891 | 2896 | rBV7 | 31343 | 53780 | 1.88% | 0.150% |
| 85 | 19.864 | 2896 | 2898 | 2904 | rVB3 | 24712 | 33692 | 1.18% | 0.094% |
| 86 | 19.982 | 2910 | 2918 | 2930 | rBV2 | 1844422 | 2866412 | 100.00% | 7.994% |
| 87 | 20.646 | 3028 | 3031 | 3034 | rVB5 | 25872 | 28655 | 1.00% | 0.080% |
| 88 | 20.798 | 3052 | 3057 | 3060 | rBV7 | 28586 | 57235 | 2.00% | 0.160% |
| 89 | 21.474 | 3168 | 3172 | 3180 | rBV4 | 102530 | 194635 | 6.79% | 0.543% |
| 90 | 21.562 | 3181 | 3187 | 3194 | rVB2 | 497803 | 789686 | 27.55% | 2.202% |
| 91 | 21.656 | 3198 | 3203 | 3208 | rVB8 | 47566 | 80311 | 2.80% | 0.224% |
| 92 | 21.733 | 3210 | 3216 | 3226 | rBV2 | 272611 | 524248 | 18.29% | 1.462% |
| 93 | 21.903 | 3237 | 3245 | 3258 | rBV | 1315198 | 2366591 | 82.56% | 6.600% |
| 94 | 23.401 | 3497 | 3500 | 3507 | rVB7 | 39281 | 63845 | 2.23% | 0.178% |
| 95 | 24.253 | 3638 | 3645 | 3651 | rVB3 | 88924 | 198687 | 6.93% | 0.554% |
| 96 | 25.082 | 3776 | 3786 | 3797 | rBV3 | 871700 | 2650762 | 92.48% | 7.392% |
| 97 | 25.246 | 3808 | 3814 | 3818 | rBV7 | 65594 | 180770 | 6.31% | 0.504% |
| 98 | 25.317 | 3818 | 3826 | 3845 | rVB2 | 731097 | 2381913 | 83.10% | 6.642% |
| 99 | 26.439 | 4011 | 4017 | 4029 | rVB7 | 79273 | 257913 | 9.00% | 0.719% |
| 100 | 26.580 | 4035 | 4041 | 4060 | rVB6 | 127264 | 480020 | 16.75% | 1.339% |

Sum of corrected areas: 35859265

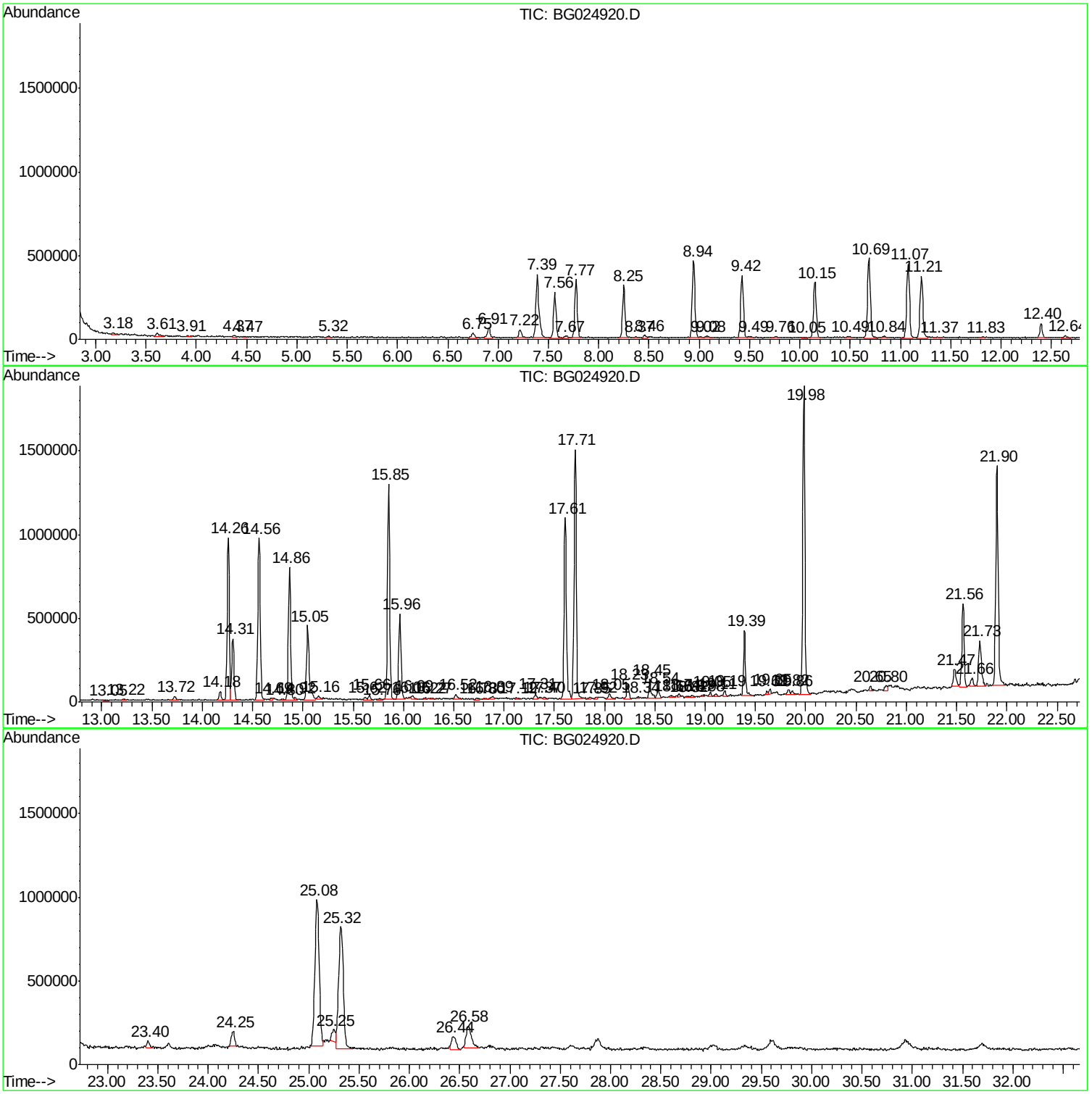
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

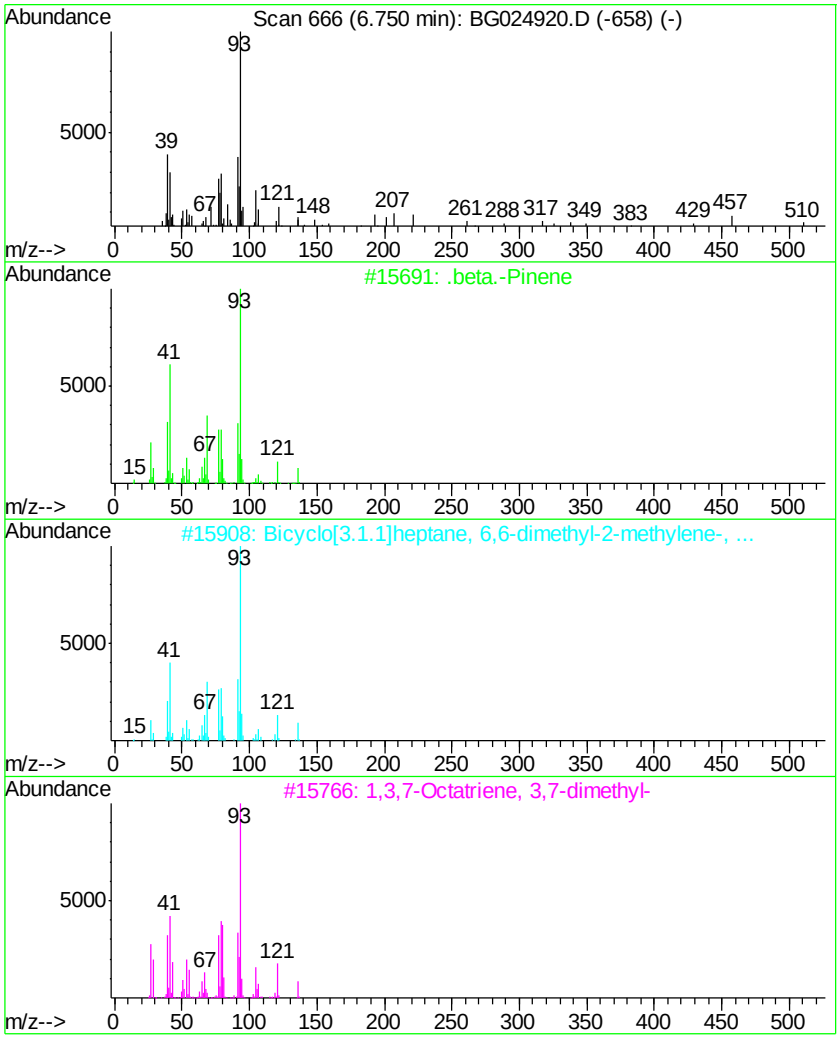
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

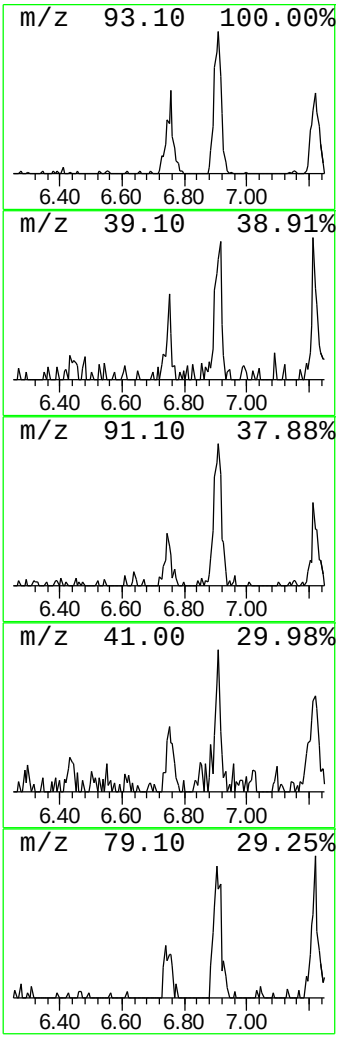
**********

Peak Number 1 .beta.-Pinene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.75 | 2.60 ng/ul | 73041 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 64 |
| 2 | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16 | 018172-67-3 | 64 |
| 3 | 1,3,7-Octatriene, 3,7-dimethyl- | 136 | C10H16 | 000502-99-8 | 62 |
| 4 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 62 |
| 5 | 3-Carene | 136 | C10H16 | 013466-78-9 | 62 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

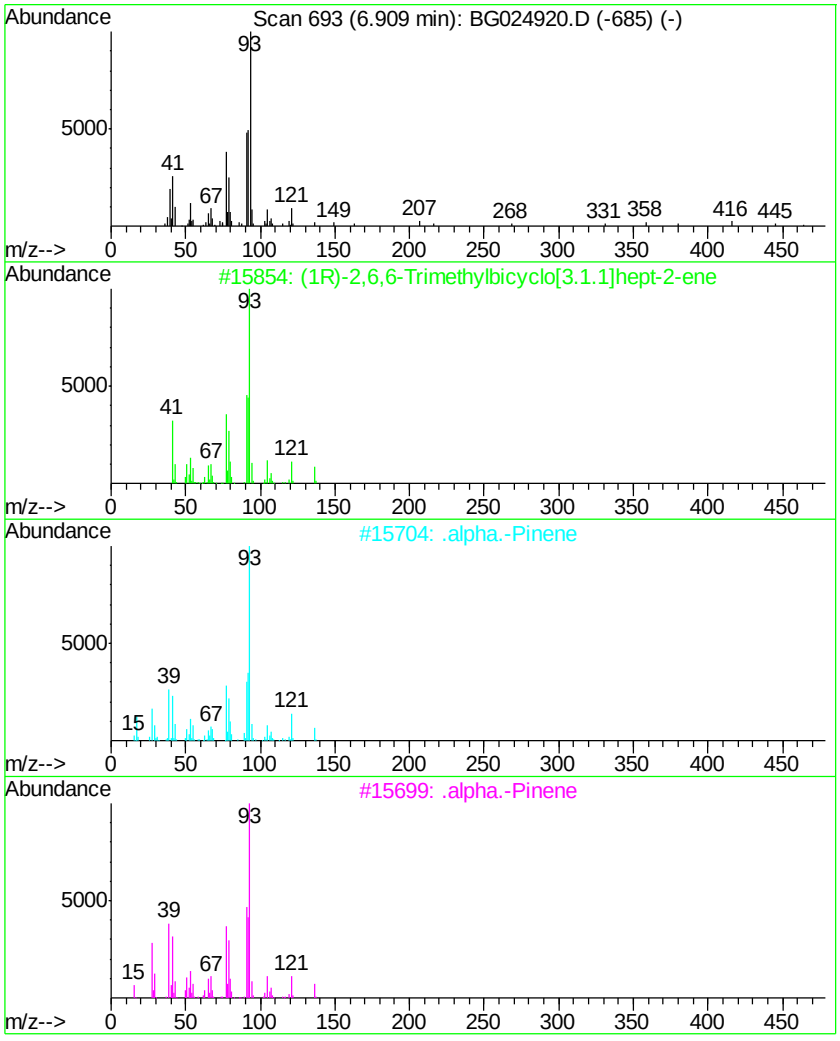
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

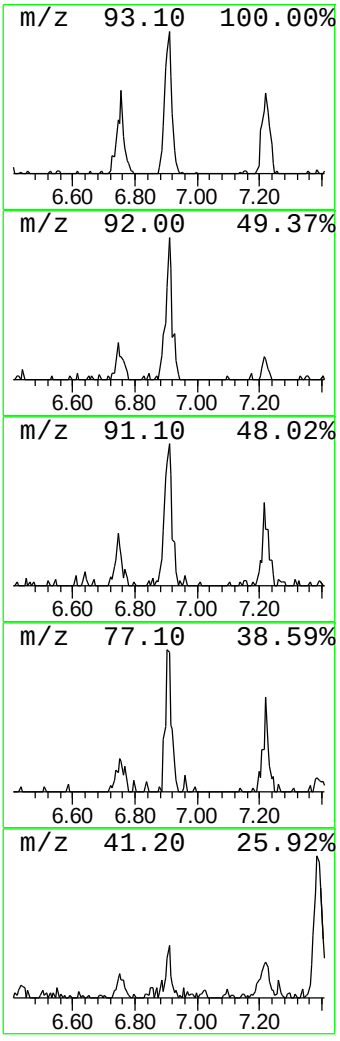
**********

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.91 | 4.24 ng/ul | 118933 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 90 |
| 2 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 87 |
| 3 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 81 |
| 4 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 74 |
| 5 | Bicyclo[3.1.0]hex-2-ene, 2-methy... | 136 | C10H16 | 002867-05-2 | 72 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

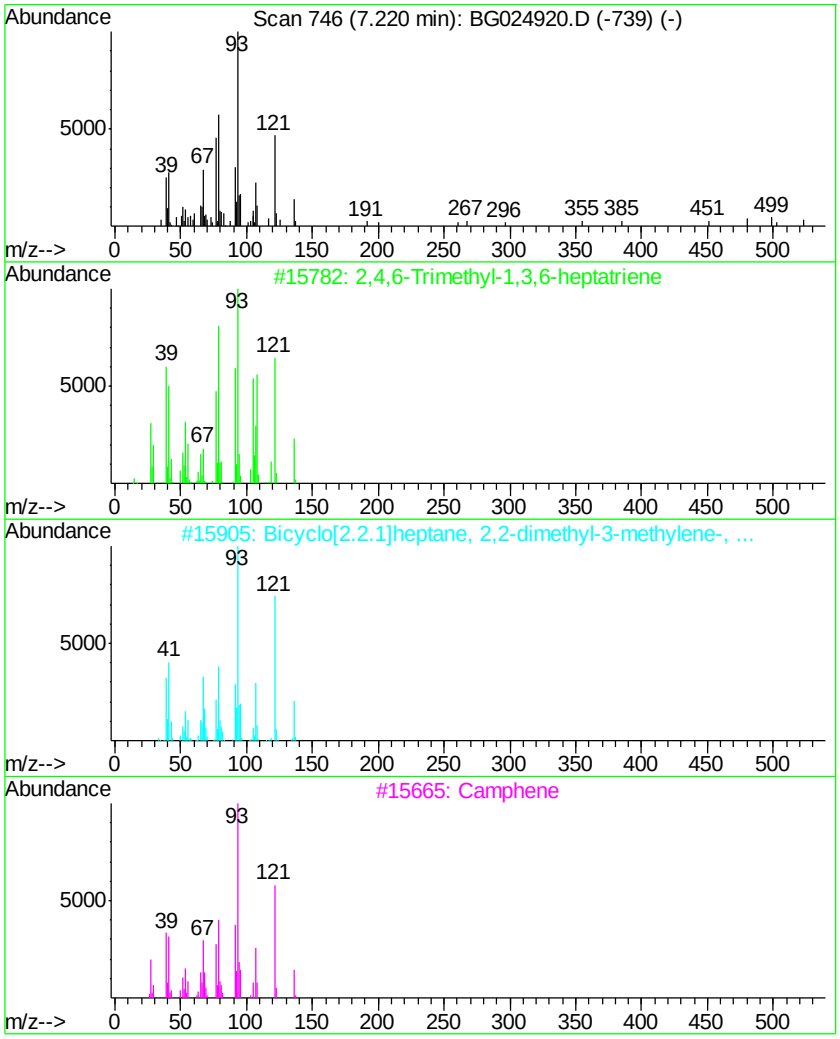
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

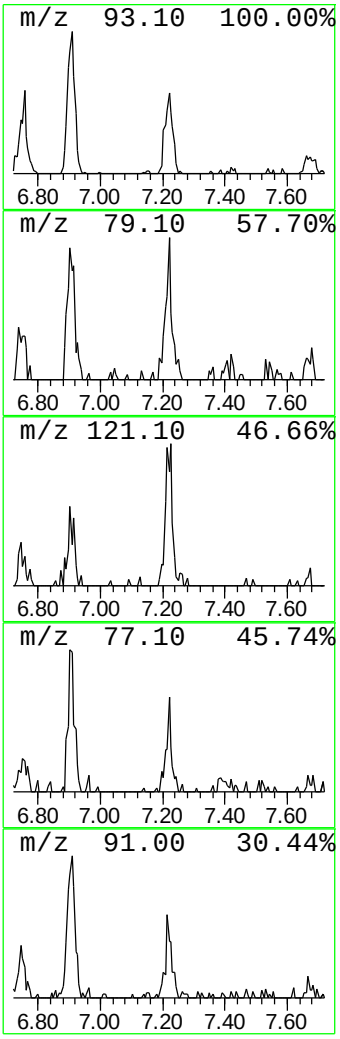
**********

Peak Number 3 2,4,6-Trimethyl-1,3,6-hepta... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.22 | 3.50 ng/ul | 98312 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Trimethyl-1,3,6-heptatriene | 136 | C10H16 | 024648-33-7 | 87 |
| 2 | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16 | 005794-04-7 | 83 |
| 3 | Camphene | 136 | C10H16 | 000079-92-5 | 83 |
| 4 | Camphene | 136 | C10H16 | 000079-92-5 | 78 |
| 5 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 000586-62-9 | 74 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

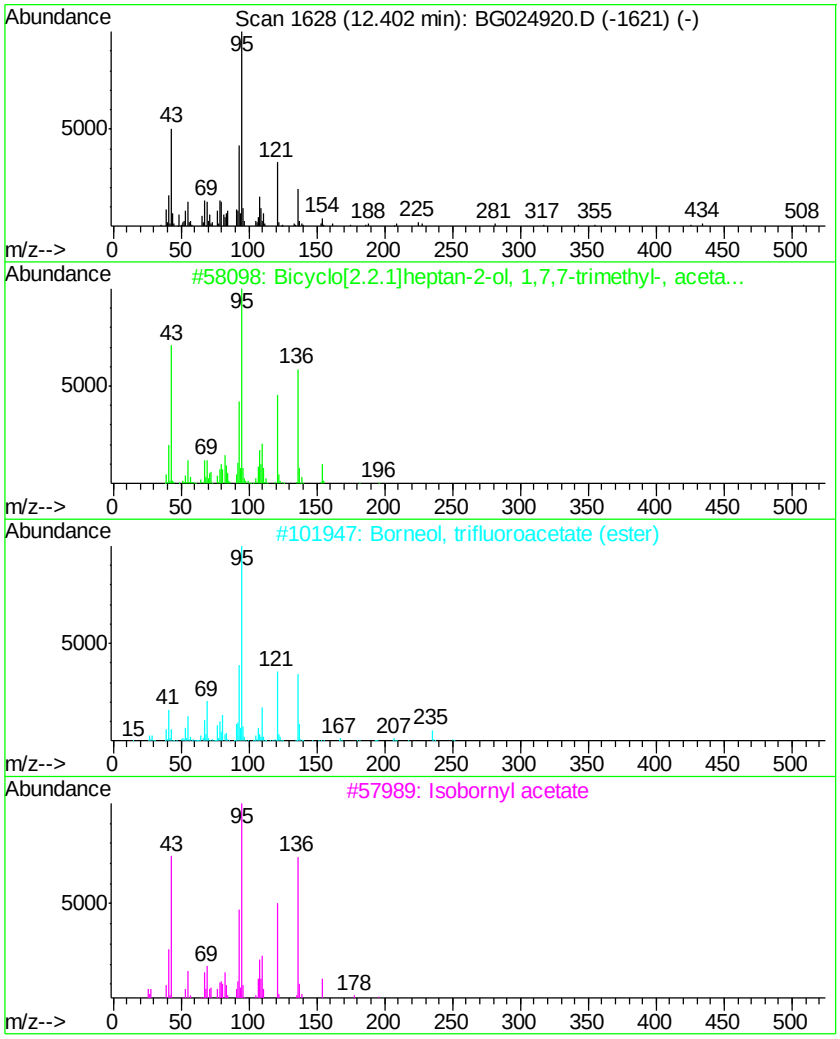
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

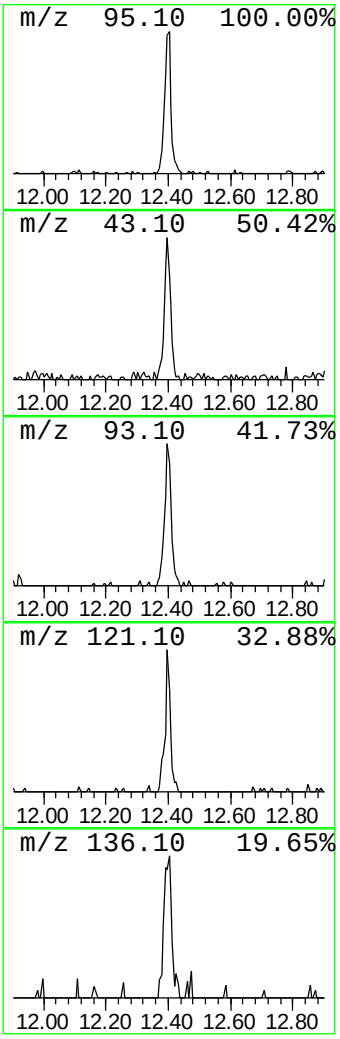
**********

Peak Number 4 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.40 | 3.29 ng/ul | 141771 | Naphthalene-d8 | 11.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-ol, 1,7,7... | 196 | C12H20O2 | 005655-61-8 | 72 |
| 2 | Borneol, trifluoroacetate (ester) | 250 | C12H17F3O2 | 028587-55-5 | 64 |
| 3 | Isobornyl acetate | 196 | C12H20O2 | 000125-12-2 | 64 |
| 4 | 1,4-Cyclohexanedimethanol | 144 | C8H16O2 | 000105-08-8 | 59 |
| 5 | Borneol, trifluoroacetate (ester) | 250 | C12H17F3O2 | 028587-55-5 | 58 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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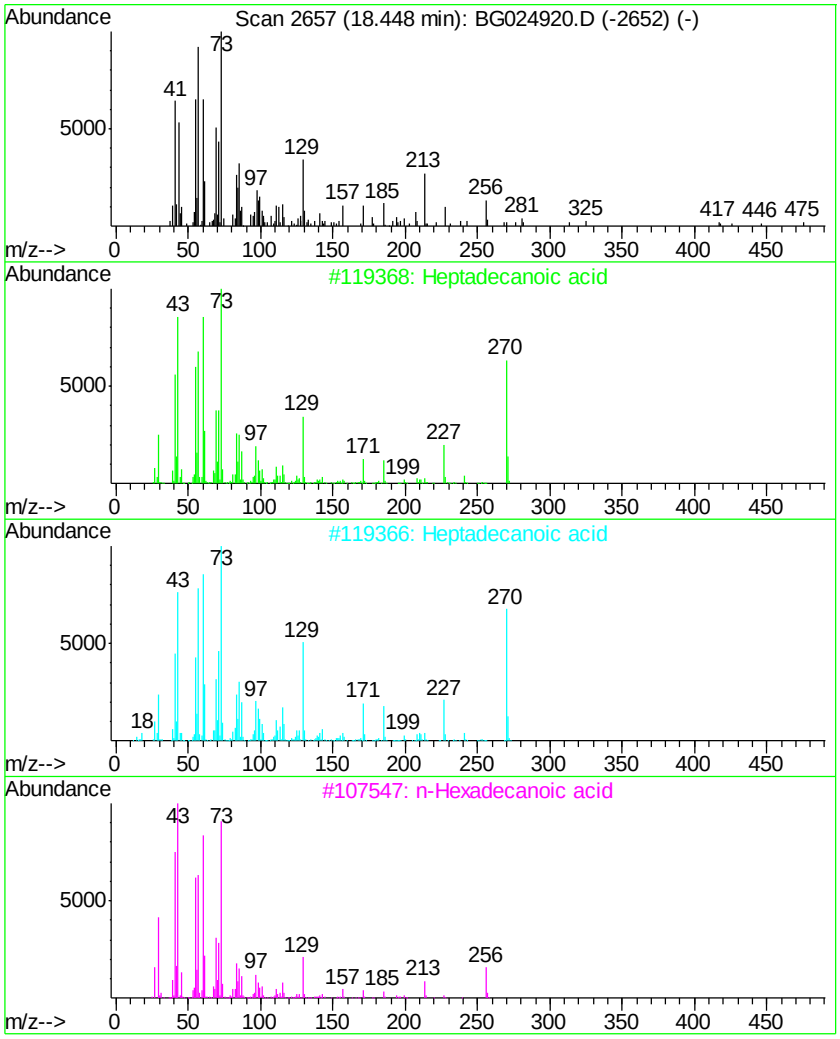
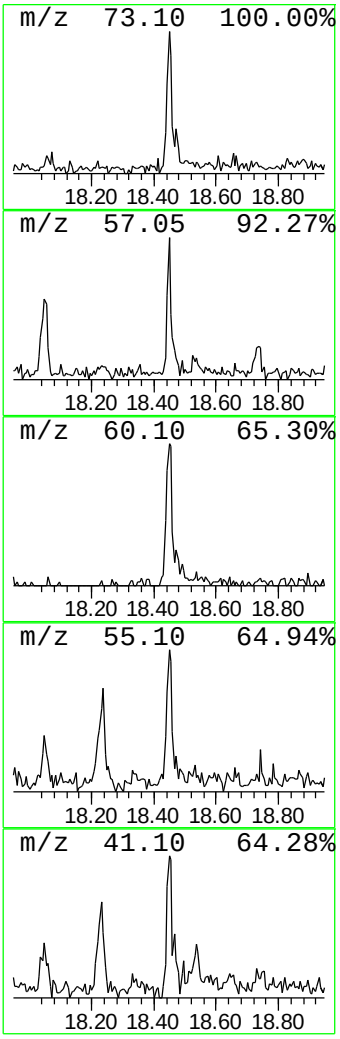
Peak Number 5 Heptadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.45 | 2.07 ng/ul | 186833 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 90 |
| 2 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 86 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 72 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

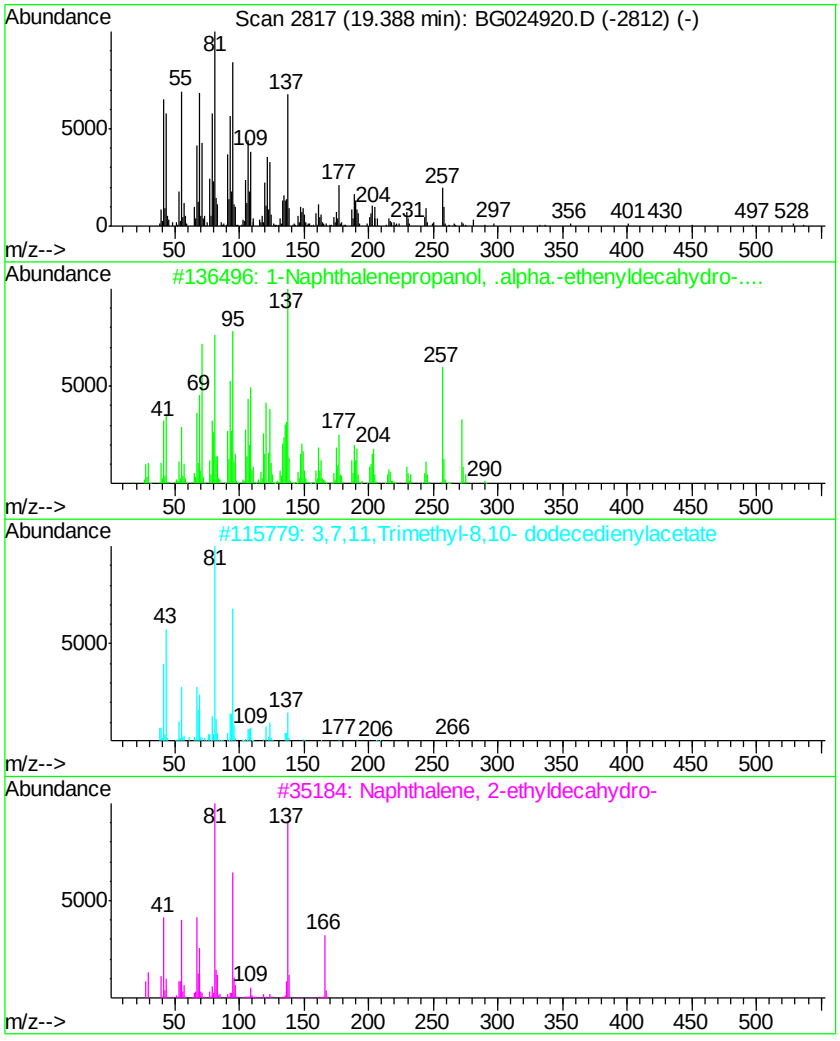
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

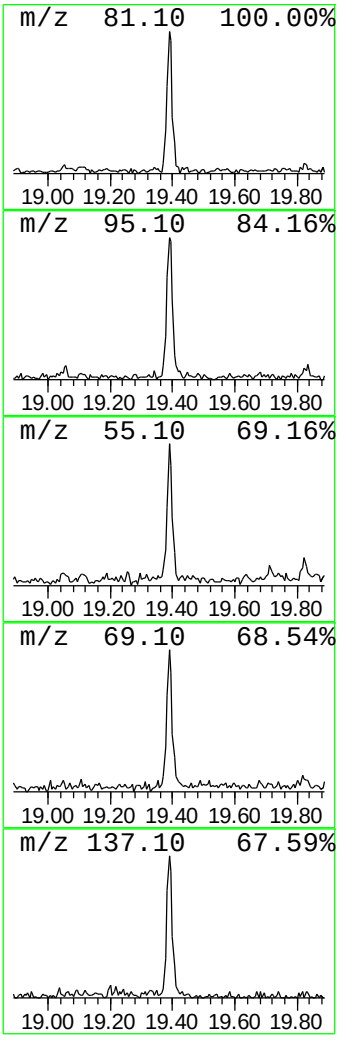
**********

Peak Number 6 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 6.16 ng/ul | 556757 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenepropanol, .alpha.-e... | 290 | C20H34O | 000596-85-0 | 49 |
| 2 | 3,7,11,Trimethyl-8,10- dodecedie... | 266 | C17H30O2 | 1000374-10-3 | 43 |
| 3 | Naphthalene, 2-ethyldecahydro- | 166 | C12H22 | 001618-23-1 | 35 |
| 4 | 2,6,10,10-Tetramethylbicyclo[7.2... | 204 | C15H24 | 136296-37-2 | 27 |
| 5 | 1H-Pyrrole, 1-pentyl- | 137 | C9H15N | 000699-22-9 | 25 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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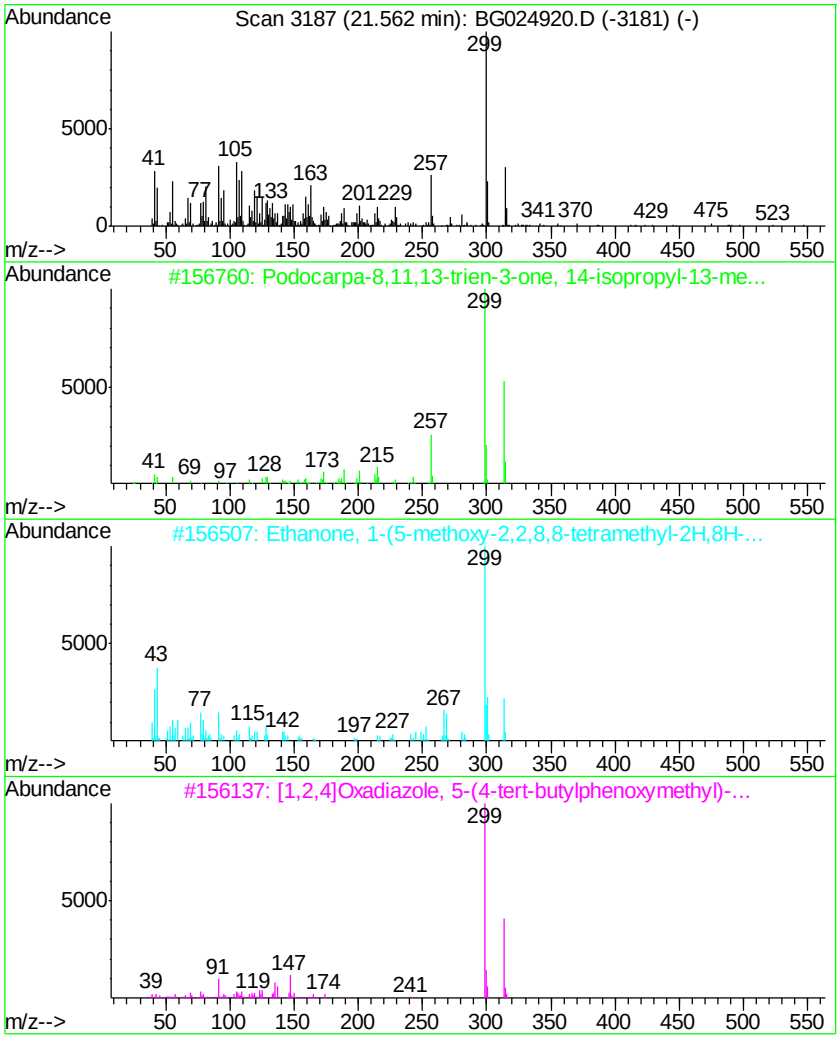
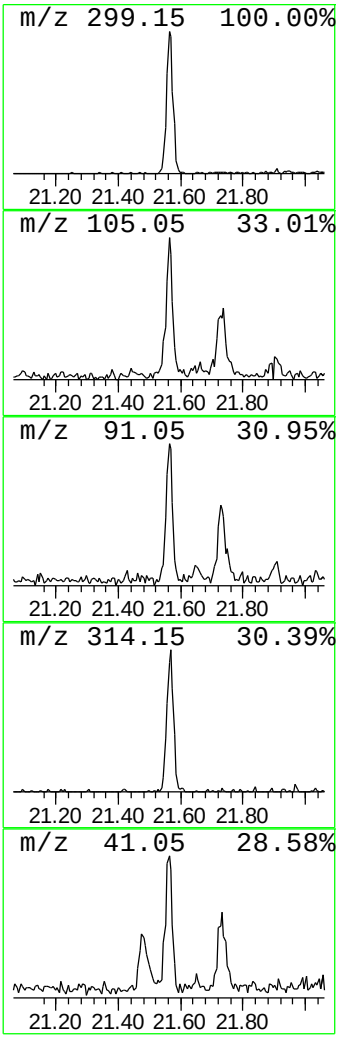
Peak Number 7 Podocarpa-8,11,13-trien-3-o... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.56 | 6.67 ng/ul | 789686 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Podocarpa-8,11,13-trien-3-one, 1... | 314 | C21H30O2 | 018326-16-4 | 66 |
| 2 | Ethanone, 1-(5-methoxy-2,2,8,8-t... | 314 | C19H22O4 | 003818-99-3 | 53 |
| 3 | [1,2,4]Oxadiazole, 5-(4-tert-but... | 314 | C17H18N2O2S | 1000304-93-9 | 50 |
| 4 | Silanol, trimethyl-, phosphate (... | 314 | C9H27O4PSi3 | 010497-05-9 | 38 |
| 5 | 7H-Dibenzo[c,h]phenothiazine | 299 | C20H13NS | 000224-72-6 | 38 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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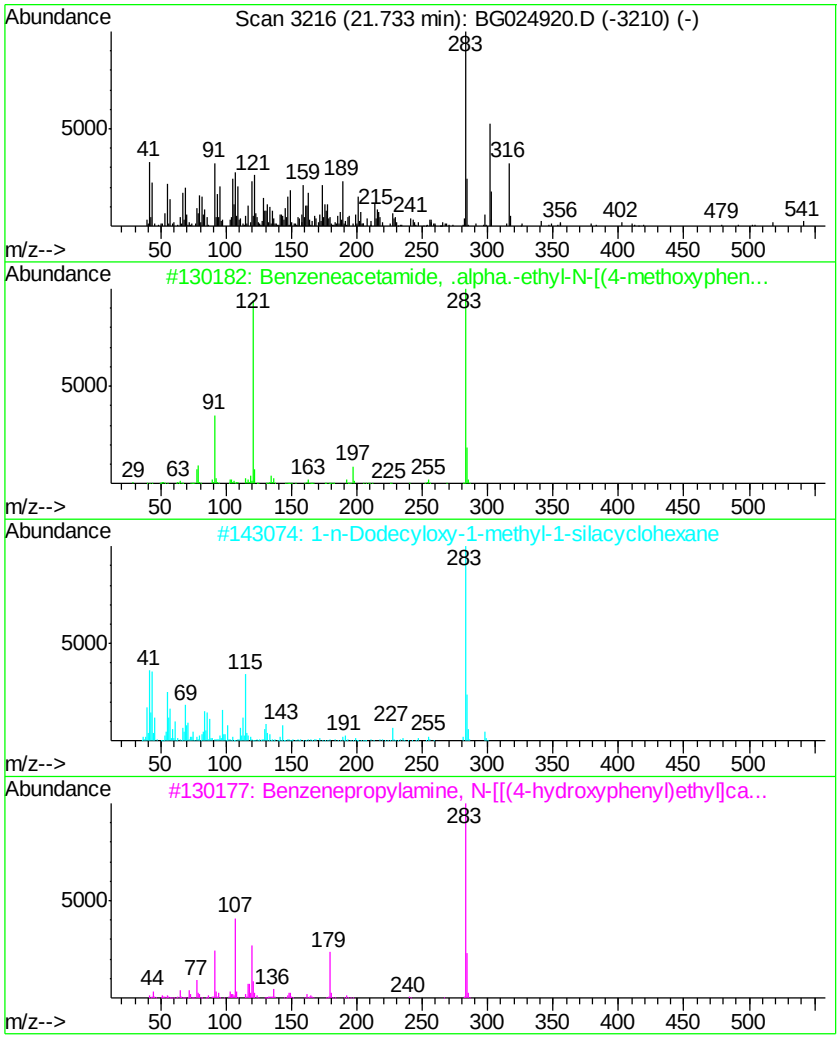
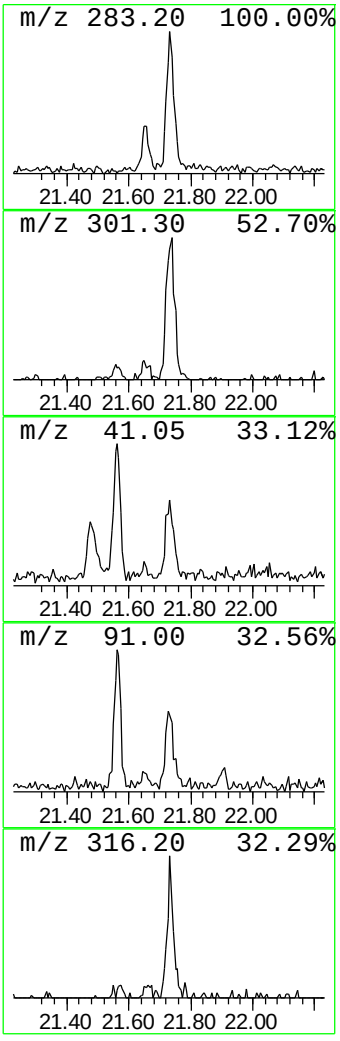
Peak Number 8 unknown-02 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.73 | 4.43 ng/ul | 524248 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneacetamide, .alpha.-ethyl-... | 283 | C18H21NO2 | 1000317-29-7 | 30 |
| 2 | 1-n-Dodecyloxy-1-methyl-1-silacy... | 298 | C18H38OSi | 1000245-79-6 | 27 |
| 3 | Benzenepropylamine, N-[[(4-hydro... | 283 | C18H21NO2 | 1000117-01-1 | 27 |
| 4 | 5,5'-Bis(1,1-dimethylethyl)-1,1'... | 298 | C20H26O2 | 1000305-55-6 | 27 |
| 5 | 5-Phenoxymethyl-3-(p-tolyl)-2-ox... | 283 | C17H17NO3 | 005255-84-5 | 27 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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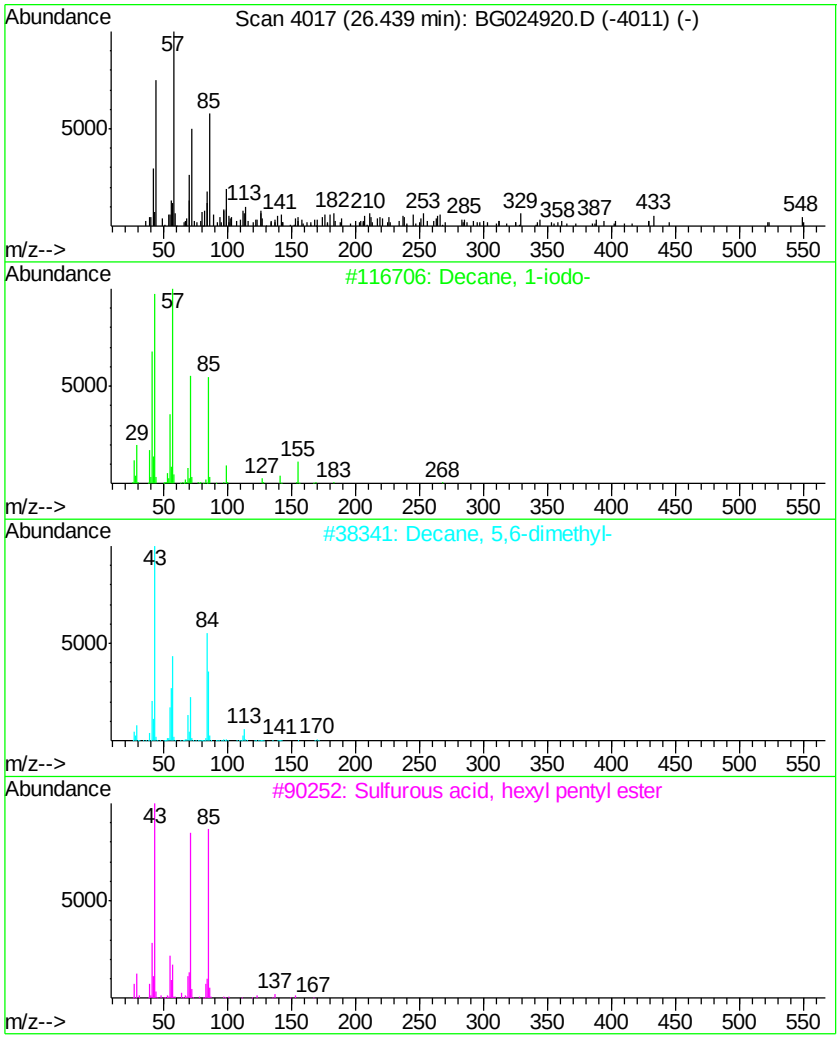
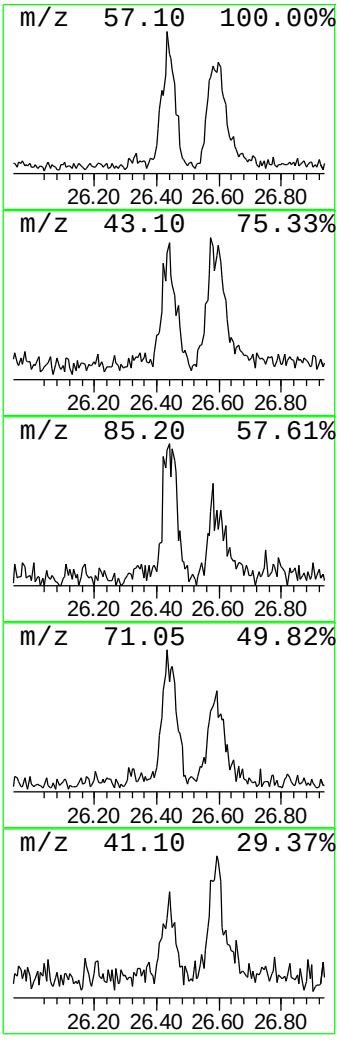
Peak Number 9 Decane, 1-iodo- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.44 | 2.17 ng/ul | 257913 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 64 |
| 2 | Decane, 5,6-dimethyl- | 170 | C12H26 | 001636-43-7 | 64 |
| 3 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 59 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 55 |
| 5 | Tetracosane, 1-bromo- | 416 | C24H49Br | 006946-24-3 | 46 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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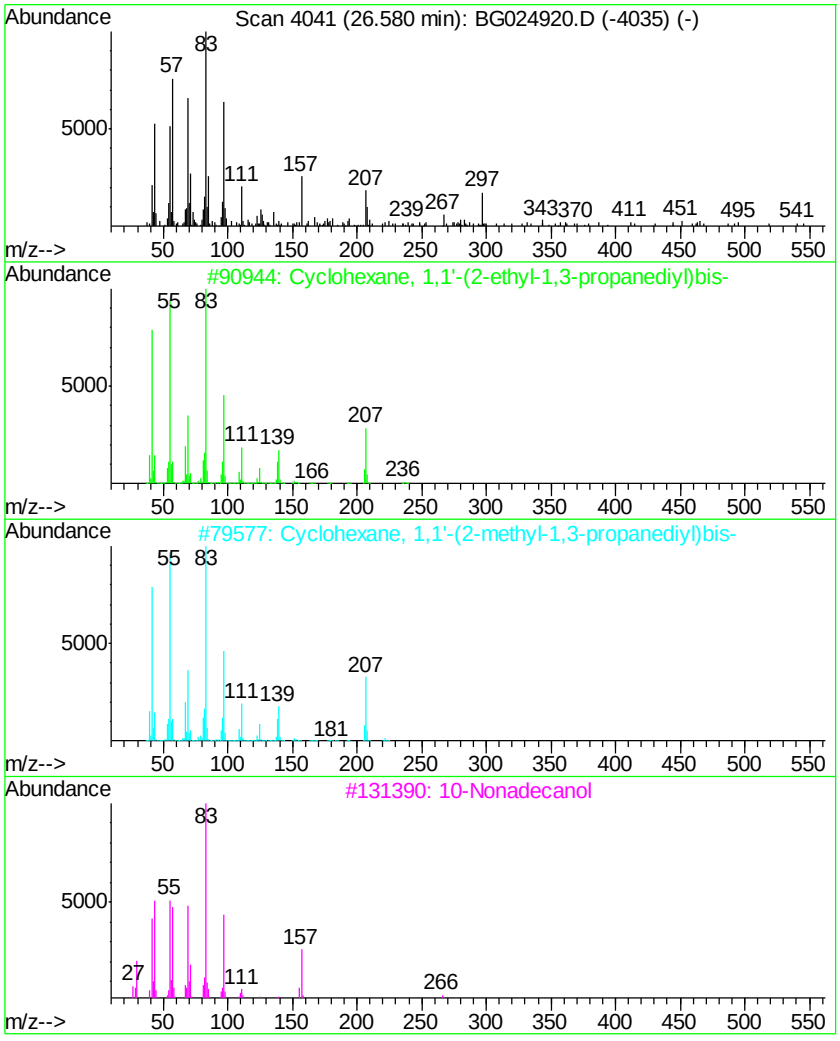
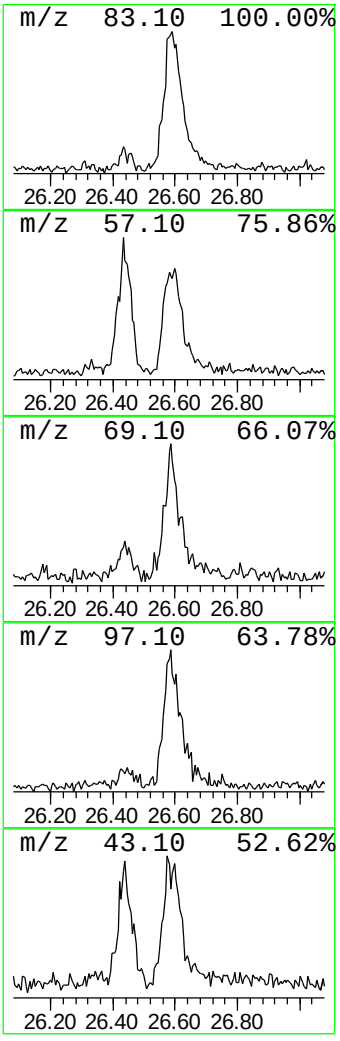
Peak Number 10 Cyclohexane, 1,1'-(2-ethyl-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.58 | 4.03 ng/ul | 480020 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1'-(2-ethyl-1,3-p... | 236 | C17H32 | 054833-34-0 | 70 |
| 2 | Cyclohexane, 1,1'-(2-methyl-1,3-... | 222 | C16H30 | 002883-08-1 | 70 |
| 3 | 10-Nonadecanol | 284 | C19H40O | 016840-84-9 | 58 |
| 4 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 50 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 46 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024920.D
Acq On : 23 Nov 2016 23:43
Operator : UM/SJ
Sample : H5701-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| .beta.-Pinene | 6.75 | 2.6 | ng/ul | 73041 | 1 | 8.25 | 561639 | 20.0 |
| (1R)-2,6,6-Trimet... | 6.91 | 4.2 | ng/ul | 118933 | 1 | 8.25 | 561639 | 20.0 |
| 2,4,6-Trimethyl-1... | 7.22 | 3.5 | ng/ul | 98312 | 1 | 8.25 | 561639 | 20.0 |
| Bicyclo[2.2.1]hep... | 12.40 | 3.3 | ng/ul | 141771 | 2 | 11.07 | 863104 | 20.0 |
| Heptadecanoic acid | 18.45 | 2.1 | ng/ul | 186833 | 4 | 17.61 | 1808220 | 20.0 |
| unknown-01 | 19.39 | 6.2 | ng/ul | 556757 | 4 | 17.61 | 1808220 | 20.0 |
| Podocarpa-8,11,13... | 21.56 | 6.7 | ng/ul | 789686 | 5 | 21.90 | 2366590 | 20.0 |
| unknown-02 | 21.73 | 4.4 | ng/ul | 524248 | 5 | 21.90 | 2366590 | 20.0 |
| Decane, 1-iodo- | 26.44 | 2.2 | ng/ul | 257913 | 6 | 25.32 | 2381910 | 20.0 |
| Cyclohexane, 1,1'... | 26.58 | 4.0 | ng/ul | 480020 | 6 | 25.32 | 2381910 | 20.0 |