LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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 | 3.293 | 74 | 77 | 81 | rVB5 | 10300 | 12488 | 0.33% | 0.031% |
| 2 | 3.604 | 123 | 130 | 137 | rVB7 | 21818 | 34099 | 0.91% | 0.084% |
| 3 | 3.839 | 165 | 170 | 173 | rBV3 | 6108 | 8316 | 0.22% | 0.020% |
| 4 | 3.898 | 177 | 180 | 184 | rBV4 | 6054 | 10238 | 0.27% | 0.025% |
| 5 | 3.980 | 189 | 194 | 200 | rVB6 | 6962 | 12895 | 0.35% | 0.032% |
| 6 | 4.145 | 217 | 222 | 226 | rVB5 | 6787 | 12525 | 0.34% | 0.031% |
| 7 | 4.374 | 256 | 261 | 267 | rBV6 | 8813 | 18903 | 0.51% | 0.046% |
| 8 | 4.521 | 282 | 286 | 291 | rBV6 | 4560 | 8638 | 0.23% | 0.021% |
| 9 | 4.591 | 293 | 298 | 304 | rBV2 | 33569 | 55680 | 1.49% | 0.137% |
| 10 | 4.697 | 312 | 316 | 318 | rBV2 | 9836 | 12425 | 0.33% | 0.030% |
| 11 | 5.009 | 363 | 369 | 375 | rBV5 | 23294 | 35628 | 0.95% | 0.087% |
| 12 | 5.314 | 413 | 421 | 427 | rBV5 | 12188 | 28779 | 0.77% | 0.071% |
| 13 | 5.396 | 430 | 435 | 439 | rBV6 | 6159 | 11135 | 0.30% | 0.027% |
| 14 | 6.448 | 612 | 614 | 618 | rVB4 | 7767 | 8931 | 0.24% | 0.022% |
| 15 | 6.748 | 662 | 665 | 670 | rVB5 | 10836 | 15484 | 0.41% | 0.038% |
| 16 | 6.895 | 683 | 690 | 699 | rVB8 | 13431 | 33214 | 0.89% | 0.081% |
| 17 | 7.218 | 737 | 745 | 751 | rBV9 | 12202 | 30640 | 0.82% | 0.075% |
| 18 | 7.388 | 766 | 774 | 789 | rVB2 | 456019 | 933676 | 25.02% | 2.290% |
| 19 | 7.564 | 794 | 804 | 815 | rBV | 317128 | 541962 | 14.52% | 1.330% |
| 20 | 7.658 | 815 | 820 | 824 | rBV4 | 7492 | 11457 | 0.31% | 0.028% |
| 21 | 7.776 | 830 | 840 | 847 | rBV | 392993 | 724805 | 19.42% | 1.778% |
| 22 | 8.252 | 912 | 921 | 929 | rBV | 283424 | 499713 | 13.39% | 1.226% |
| 23 | 8.458 | 954 | 956 | 963 | rVB5 | 7145 | 8794 | 0.24% | 0.022% |
| 24 | 8.681 | 993 | 994 | 1003 | rVB5 | 2933 | 8009 | 0.21% | 0.020% |
| 25 | 8.945 | 1029 | 1039 | 1049 | rBV | 558777 | 1019325 | 27.32% | 2.501% |
| 26 | 9.286 | 1096 | 1097 | 1102 | rVB3 | 6003 | 7750 | 0.21% | 0.019% |
| 27 | 9.339 | 1102 | 1106 | 1109 | rBV2 | 5863 | 9674 | 0.26% | 0.024% |
| 28 | 9.427 | 1113 | 1121 | 1129 | rBV | 419215 | 781806 | 20.95% | 1.918% |
| 29 | 10.073 | 1227 | 1231 | 1233 | rVB2 | 8205 | 10016 | 0.27% | 0.025% |
| 30 | 10.150 | 1233 | 1244 | 1253 | rBV | 397428 | 757643 | 20.30% | 1.859% |
| 31 | 10.602 | 1316 | 1321 | 1325 | rBV3 | 4438 | 8814 | 0.24% | 0.022% |
| 32 | 10.684 | 1325 | 1335 | 1344 | rBV | 577313 | 1082767 | 29.02% | 2.656% |
| 33 | 10.837 | 1353 | 1361 | 1366 | rBV6 | 9012 | 24876 | 0.67% | 0.061% |
| 34 | 11.078 | 1392 | 1402 | 1414 | rVB | 390654 | 758345 | 20.32% | 1.860% |

LSC Area Percent Report

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Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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 | 11.207 | 1414 | 1424 | 1443 | rBV | 506173 | 998244 | 26.75% | 2.449% |
| 36 | 11.448 | 1462 | 1465 | 1470 | rVB4 | 5216 | 8209 | 0.22% | 0.020% |
| 37 | 12.400 | 1617 | 1627 | 1633 | rBV8 | 12409 | 27318 | 0.73% | 0.067% |
| 38 | 12.647 | 1660 | 1669 | 1674 | rVB7 | 12135 | 21328 | 0.57% | 0.052% |
| 39 | 12.852 | 1703 | 1704 | 1714 | rBV6 | 4713 | 8985 | 0.24% | 0.022% |
| 40 | 13.205 | 1761 | 1764 | 1775 | rVB7 | 8406 | 22258 | 0.60% | 0.055% |
| 41 | 13.305 | 1775 | 1781 | 1785 | rBV6 | 6385 | 13096 | 0.35% | 0.032% |
| 42 | 13.411 | 1795 | 1799 | 1802 | rBV3 | 6631 | 8663 | 0.23% | 0.021% |
| 43 | 13.458 | 1802 | 1807 | 1813 | rVV7 | 8090 | 16348 | 0.44% | 0.040% |
| 44 | 13.728 | 1848 | 1853 | 1857 | rBV5 | 14032 | 22714 | 0.61% | 0.056% |
| 45 | 14.057 | 1904 | 1909 | 1914 | rBV6 | 5710 | 10182 | 0.27% | 0.025% |
| 46 | 14.174 | 1925 | 1929 | 1936 | rBV8 | 27993 | 44630 | 1.20% | 0.109% |
| 47 | 14.257 | 1936 | 1943 | 1948 | rVV | 1187452 | 1776855 | 47.62% | 4.359% |
| 48 | 14.304 | 1948 | 1951 | 1957 | rVB | 150362 | 204139 | 5.47% | 0.501% |
| 49 | 14.562 | 1988 | 1995 | 2012 | rVV | 1211397 | 1977003 | 52.98% | 4.850% |
| 50 | 14.691 | 2012 | 2017 | 2026 | rVB9 | 16538 | 37001 | 0.99% | 0.091% |
| 51 | 14.868 | 2040 | 2047 | 2067 | rVB | 746243 | 1259967 | 33.77% | 3.091% |
| 52 | 15.050 | 2071 | 2078 | 2092 | rBV2 | 581869 | 1091129 | 29.24% | 2.677% |
| 53 | 15.156 | 2092 | 2096 | 2103 | rVV2 | 33563 | 62922 | 1.69% | 0.154% |
| 54 | 15.232 | 2103 | 2109 | 2114 | rVV8 | 9093 | 19125 | 0.51% | 0.047% |
| 55 | 15.661 | 2178 | 2182 | 2187 | rVB4 | 30002 | 37890 | 1.02% | 0.093% |
| 56 | 15.761 | 2196 | 2199 | 2206 | rVB8 | 8095 | 13773 | 0.37% | 0.034% |
| 57 | 15.855 | 2207 | 2215 | 2224 | rBV | 1731273 | 2611877 | 70.00% | 6.407% |
| 58 | 15.966 | 2225 | 2234 | 2245 | rVV | 694301 | 1070223 | 28.68% | 2.625% |
| 59 | 16.090 | 2250 | 2255 | 2262 | rVB6 | 30527 | 56613 | 1.52% | 0.139% |
| 60 | 16.272 | 2282 | 2286 | 2296 | rVB9 | 12126 | 29491 | 0.79% | 0.072% |
| 61 | 16.407 | 2303 | 2309 | 2310 | rBV5 | 8197 | 10600 | 0.28% | 0.026% |
| 62 | 16.525 | 2324 | 2329 | 2339 | rVB6 | 23780 | 51467 | 1.38% | 0.126% |
| 63 | 16.807 | 2374 | 2377 | 2382 | rVB6 | 11581 | 18374 | 0.49% | 0.045% |
| 64 | 16.889 | 2384 | 2391 | 2396 | rVB7 | 33283 | 55478 | 1.49% | 0.136% |
| 65 | 16.953 | 2397 | 2402 | 2403 | rBV5 | 6228 | 7991 | 0.21% | 0.020% |
| 66 | 17.312 | 2459 | 2463 | 2467 | rVB5 | 19474 | 22951 | 0.62% | 0.056% |
| 67 | 17.353 | 2467 | 2470 | 2478 | rBV10 | 9331 | 23941 | 0.64% | 0.059% |
| 68 | 17.606 | 2501 | 2513 | 2523 | rBV2 | 1054692 | 1722420 | 46.16% | 4.225% |
| 69 | 17.706 | 2523 | 2530 | 2538 | rVB | 1846187 | 3012918 | 80.75% | 7.391% |
| 70 | 17.805 | 2541 | 2547 | 2549 | rBV7 | 12512 | 25399 | 0.68% | 0.062% |
| 71 | 18.052 | 2585 | 2589 | 2598 | rVB7 | 11339 | 26835 | 0.72% | 0.066% |

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Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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 | 18.228 | 2613 | 2619 | 2625 | rVB7 | 67768 | 102208 | 2.74% | 0.251% |
| 73 | 18.358 | 2633 | 2641 | 2644 | rBV8 | 16778 | 37803 | 1.01% | 0.093% |
| 74 | 18.452 | 2651 | 2657 | 2663 | rBV2 | 111674 | 160464 | 4.30% | 0.394% |
| 75 | 18.540 | 2667 | 2672 | 2675 | rBV5 | 24411 | 45947 | 1.23% | 0.113% |
| 76 | 19.057 | 2757 | 2760 | 2763 | rVB5 | 23284 | 34220 | 0.92% | 0.084% |
| 77 | 19.192 | 2779 | 2783 | 2792 | rVB8 | 46243 | 69021 | 1.85% | 0.169% |
| 78 | 19.392 | 2807 | 2817 | 2822 | rBV3 | 366306 | 505649 | 13.55% | 1.240% |
| 79 | 19.615 | 2850 | 2855 | 2858 | rBV2 | 34268 | 51731 | 1.39% | 0.127% |
| 80 | 19.680 | 2862 | 2866 | 2875 | rVB2 | 44821 | 83881 | 2.25% | 0.206% |
| 81 | 19.827 | 2888 | 2891 | 2894 | rBV5 | 21831 | 22341 | 0.60% | 0.055% |
| 82 | 19.868 | 2896 | 2898 | 2905 | rVB4 | 24203 | 26037 | 0.70% | 0.064% |
| 83 | 19.979 | 2911 | 2917 | 2929 | rBV | 2474096 | 3731394 | 100.00% | 9.154% |
| 84 | 20.567 | 3014 | 3017 | 3022 | rBV7 | 20862 | 29346 | 0.79% | 0.072% |
| 85 | 20.637 | 3026 | 3029 | 3035 | rVB8 | 26277 | 39013 | 1.05% | 0.096% |
| 86 | 21.137 | 3109 | 3114 | 3125 | rVB2 | 136474 | 234689 | 6.29% | 0.576% |
| 87 | 21.478 | 3167 | 3172 | 3181 | rVB2 | 180713 | 322283 | 8.64% | 0.791% |
| 88 | 21.566 | 3181 | 3187 | 3193 | rVB3 | 405219 | 629772 | 16.88% | 1.545% |
| 89 | 21.654 | 3197 | 3202 | 3209 | rVB8 | 46006 | 91900 | 2.46% | 0.225% |
| 90 | 21.730 | 3210 | 3215 | 3230 | rVB6 | 176518 | 353578 | 9.48% | 0.867% |
| 91 | 21.901 | 3236 | 3244 | 3256 | rBV | 1267036 | 2182244 | 58.48% | 5.353% |
| 92 | 22.670 | 3371 | 3375 | 3378 | rBV5 | 52952 | 86076 | 2.31% | 0.211% |
| 93 | 22.711 | 3379 | 3382 | 3391 | rVB8 | 78904 | 162789 | 4.36% | 0.399% |
| 94 | 23.199 | 3460 | 3465 | 3473 | rVB7 | 72007 | 150105 | 4.02% | 0.368% |
| 95 | 24.251 | 3635 | 3644 | 3652 | rBV | 373829 | 810181 | 21.71% | 1.988% |
| 96 | 25.085 | 3775 | 3786 | 3803 | rVB2 | 1220848 | 3676177 | 98.52% | 9.018% |
| 97 | 25.244 | 3808 | 3813 | 3817 | rBV5 | 65352 | 149316 | 4.00% | 0.366% |
| 98 | 25.320 | 3817 | 3826 | 3840 | rVB2 | 707185 | 2190794 | 58.71% | 5.374% |
| 99 | 26.442 | 4008 | 4017 | 4026 | rVB5 | 177572 | 562574 | 15.08% | 1.380% |
| 100 | 26.583 | 4035 | 4041 | 4054 | rVB9 | 71898 | 253843 | 6.80% | 0.623% |

Sum of corrected areas: 40763183

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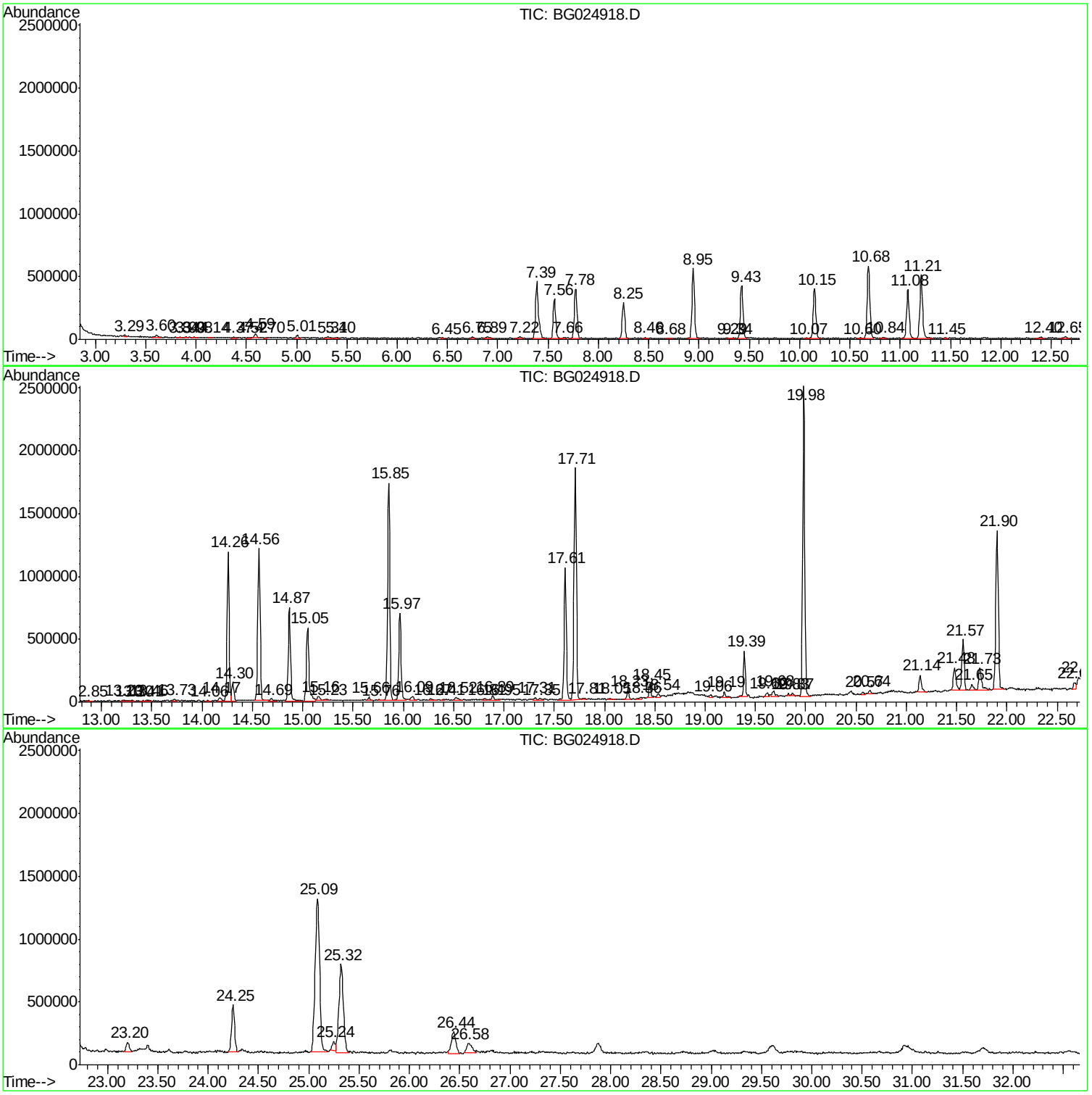
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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

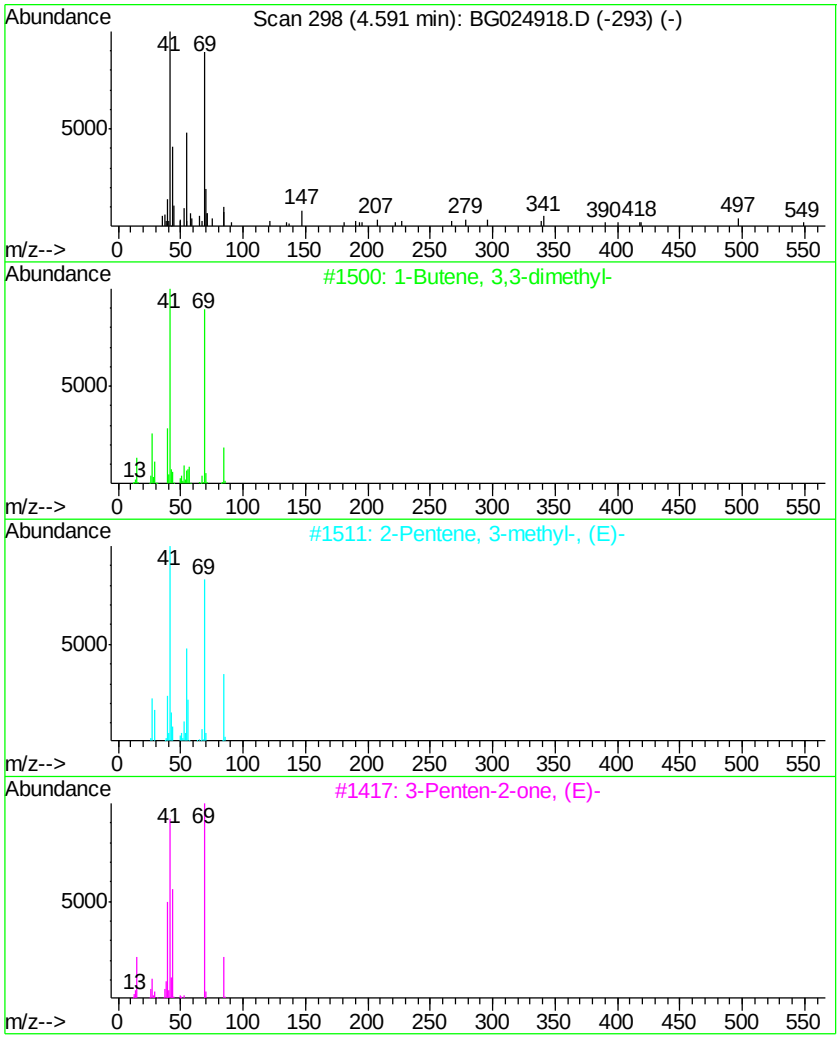
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

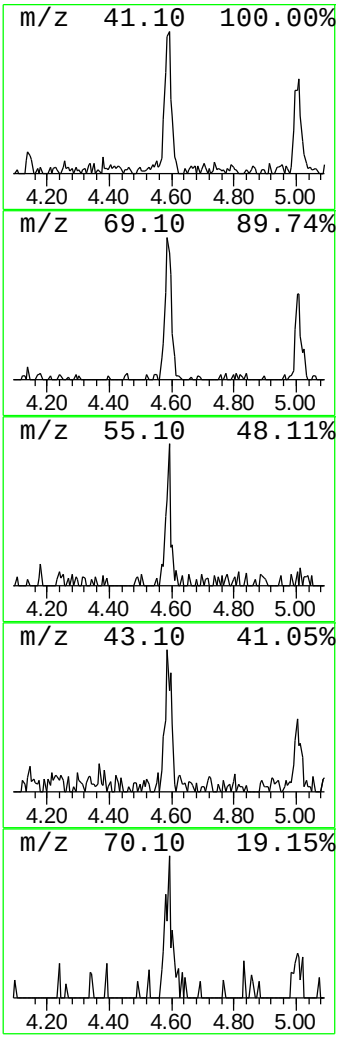
**********

Peak Number 1 (DEL) Alkane: Cyclic4.59 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.59 | 2.23 ng/ul | 55680 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butene, 3,3-dimethyl- | 84 | C6H12 | 000558-37-2 | 53 |
| 2 | 2-Pentene, 3-methyl-, (E)- | 84 | C6H12 | 000616-12-6 | 53 |
| 3 | 3-Penten-2-one, (E)- | 84 | C5H8O | 003102-33-8 | 42 |
| 4 | 2-Pentene, 3-methyl-, (Z)- | 84 | C6H12 | 000922-62-3 | 42 |
| 5 | 3-Butyn-2-ol, 2-methyl- | 84 | C5H8O | 000115-19-5 | 40 |



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Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
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Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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

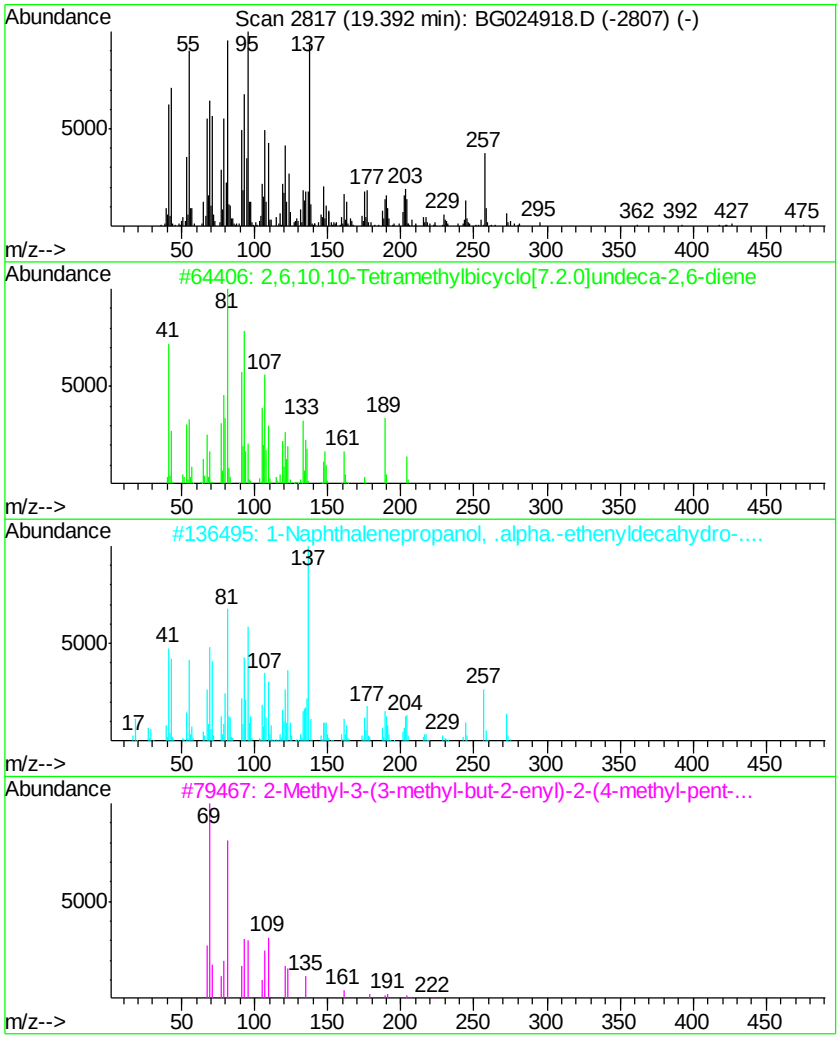
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

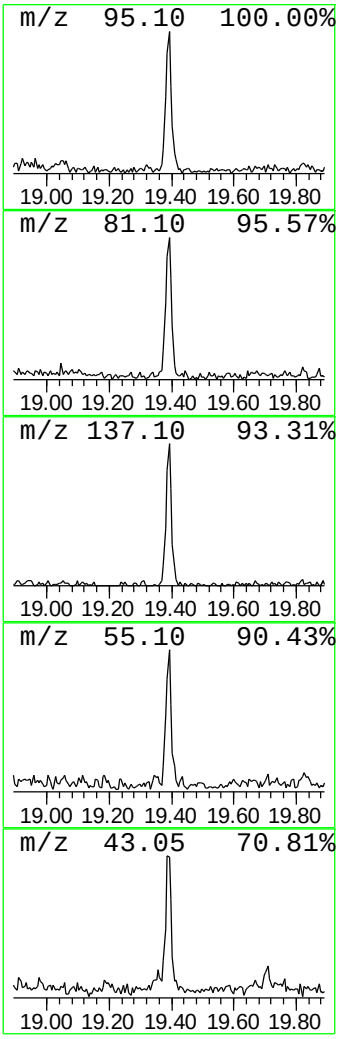
**********

Peak Number 2 2,6,10,10-Tetramethylbicycl... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 5.87 ng/ul | 505649 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6,10,10-Tetramethylbicyclo[7.2... | 204 | C15H24 | 136296-37-2 | 50 |
| 2 | 1-Naphthalenepropanol, .alpha.-e... | 290 | C20H34O | 001438-62-6 | 43 |
| 3 | 2-Methyl-3-(3-methyl-but-2-enyl)... | 222 | C15H26O | 1000144-10-2 | 35 |
| 4 | 2-Cyclopentene-1-acetaldehyde, 2... | 166 | C10H14O2 | 075332-42-2 | 25 |
| 5 | 2,6,10,14-Hexadecatetraen-1-ol, ... | 332 | C22H36O2 | 061691-98-3 | 22 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
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Sample : H5701-18
Misc :
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**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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

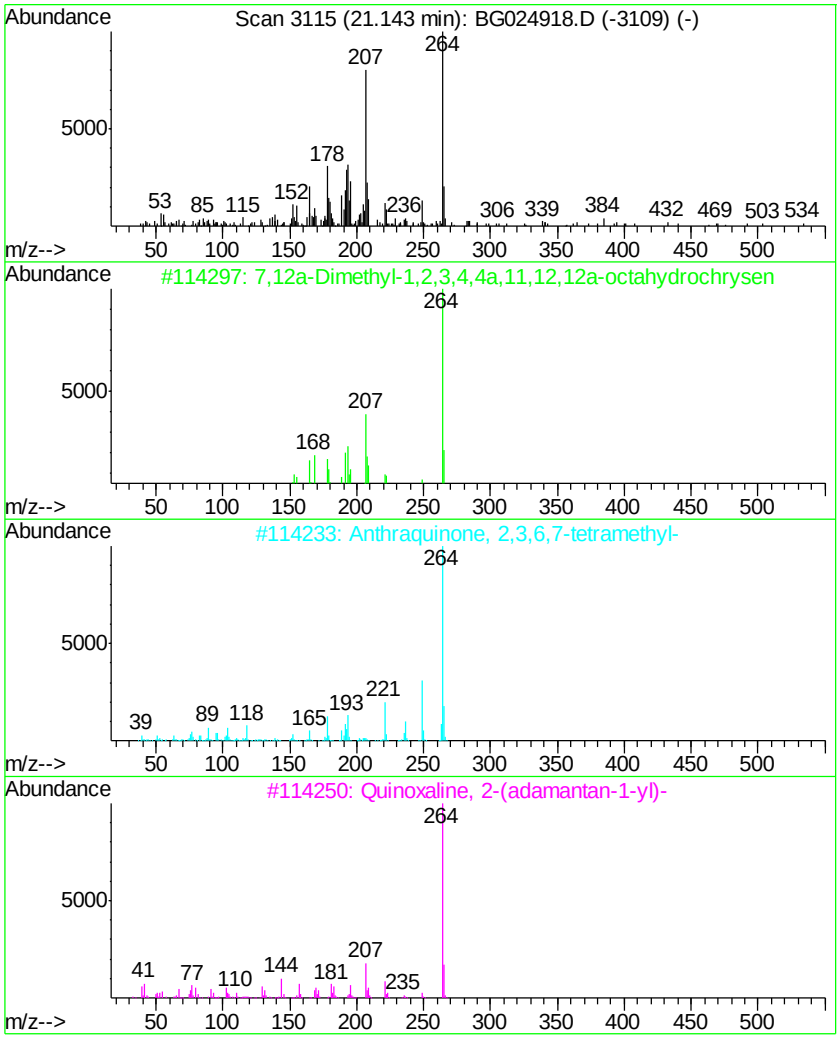
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

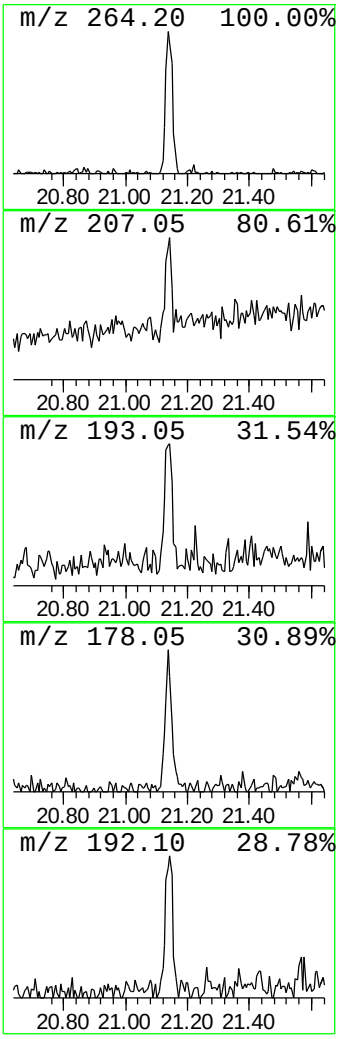
**********

Peak Number 3 7,12a-Dimethyl-1,2,3,4,4a,1... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.14 | 2.15 ng/ul | 234689 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,12a-Dimethyl-1,2,3,4,4a,11,12,... | 264 | C20H24 | 075758-27-9 | 96 |
| 2 | Anthraquinone, 2,3,6,7-tetramethyl- | 264 | C18H16O2 | 015247-68-4 | 50 |
| 3 | Quinoxaline, 2-(adamantan-1-yl)- | 264 | C18H20N2 | 1000302-51-7 | 38 |
| 4 | 2,3,9,10-Tetrahydro-1,8-dioxa-7,... | 264 | C16H12N2O2 | 1000243-33-3 | 38 |
| 5 | 1,4-Naphthalenedione, 2-acetyl-3... | 264 | C12H8O7 | 003718-80-7 | 38 |



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

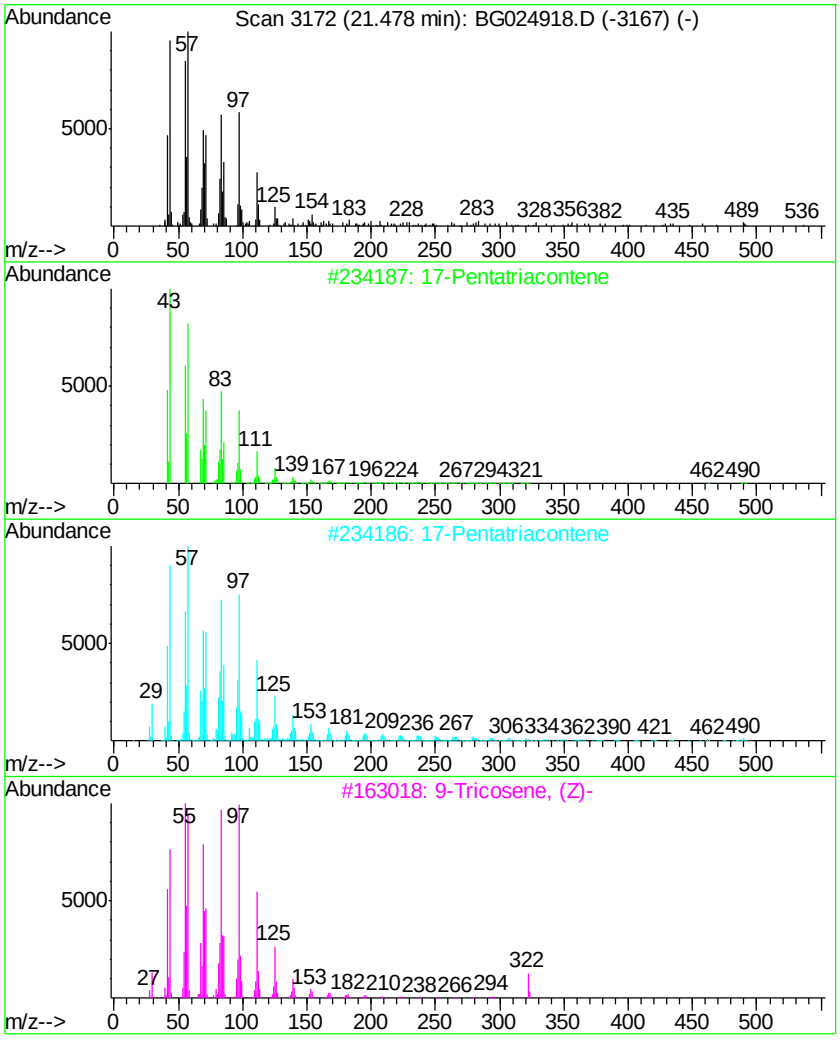
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

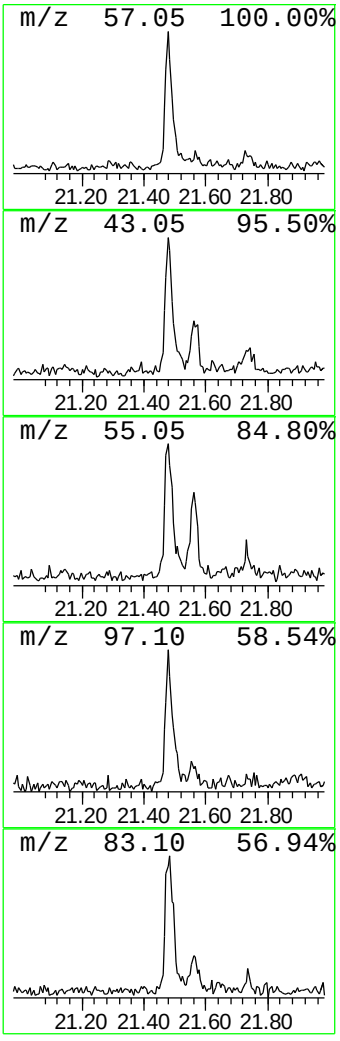
**********

Peak Number 4 (DEL) Alkane: Cyclic21.48 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.48 | 2.95 ng/ul | 322283 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 96 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 95 |
| 3 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 93 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |
| 5 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 90 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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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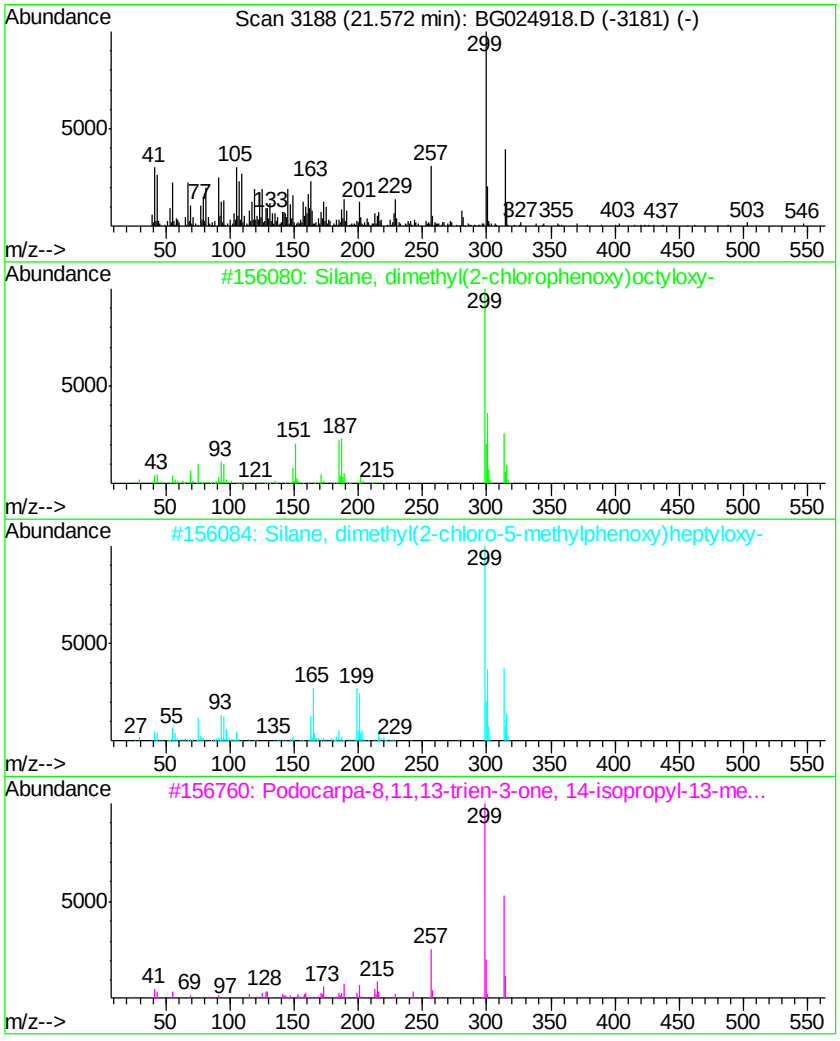
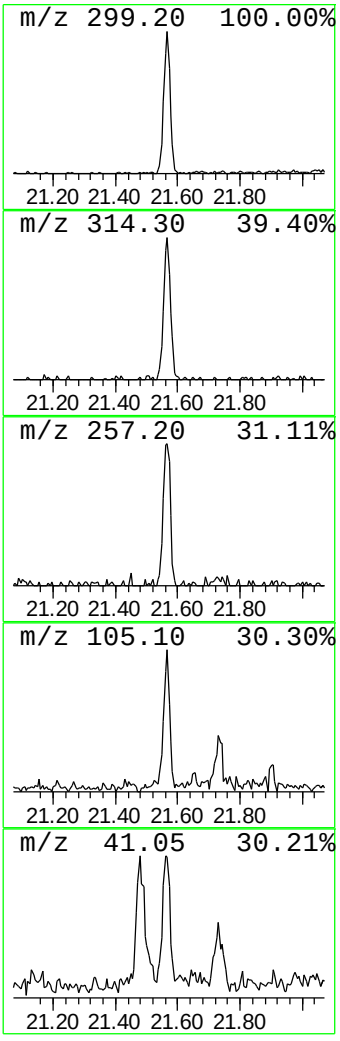
Peak Number 5 Silane, dimethyl(2-chloroph... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.57 | 5.77 ng/ul | 629772 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dimethyl(2-chlorophenoxy... | 314 | C16H27ClO2Si | 1000347-07-4 | 53 |
| 2 | Silane, dimethyl(2-chloro-5-meth... | 314 | C16H27ClO2Si | 1000347-54-9 | 52 |
| 3 | Podocarpa-8,11,13-trien-3-one, 1... | 314 | C21H30O2 | 018326-16-4 | 52 |
| 4 | Silanol, trimethyl-, phosphate (... | 314 | C9H27O4PSi3 | 010497-05-9 | 38 |
| 5 | Silane, dimethyl(3-methylbut-2-e... | 314 | C18H38O2Si | 1000347-97-0 | 38 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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

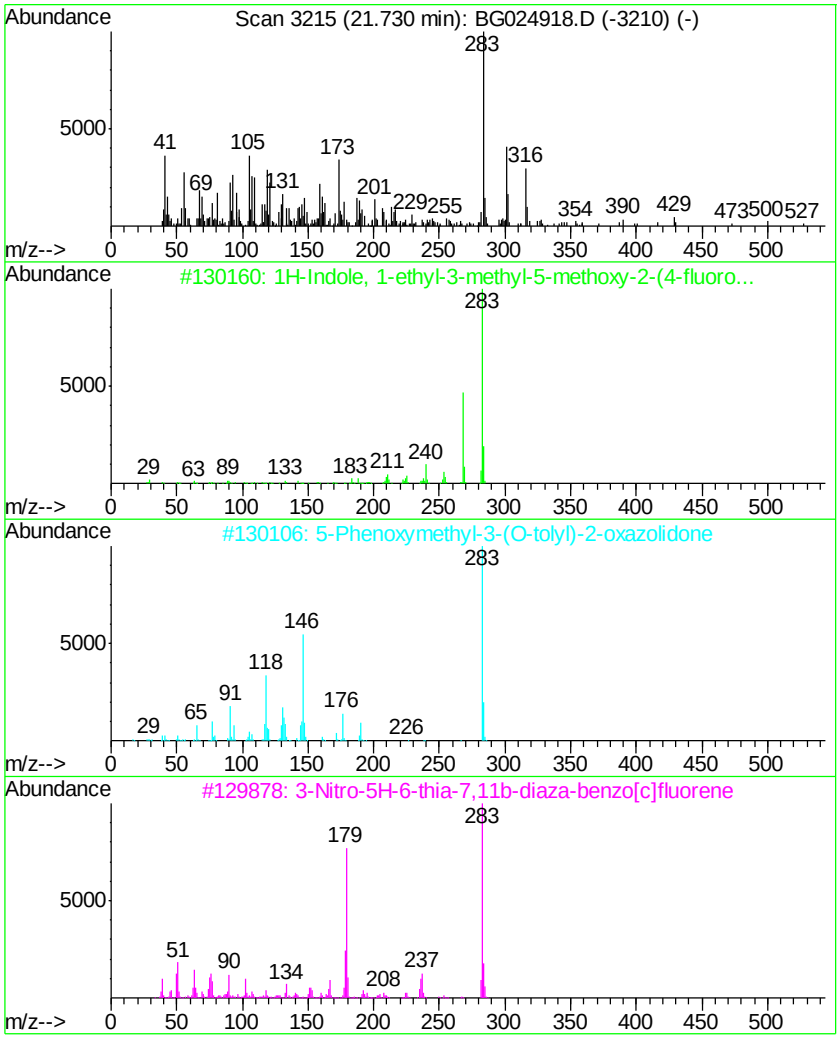
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

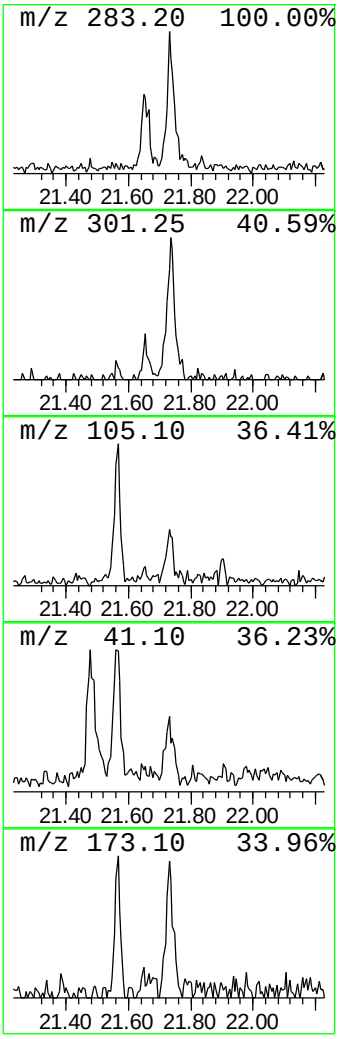
**********

Peak Number 6 unknown-01 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.73 | 3.24 ng/ul | 353578 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indole, 1-ethyl-3-methyl-5-me... | 283 | C18H18FNO | 156785-72-7 | 30 |
| 2 | 5-Phenoxymethyl-3-(O-tolyl)-2-ox... | 283 | C17H17NO3 | 005255-89-0 | 30 |
| 3 | 3-Nitro-5H-6-thia-7,11b-diaza-be... | 283 | C14H9N3O2S | 1000301-02-7 | 30 |
| 4 | Benzeneacetamide, .alpha.-ethyl-... | 283 | C18H21NO2 | 1000317-29-7 | 27 |
| 5 | trans-4'-Methoxy-4-nitrochalcone | 283 | C16H13NO4 | 077636-36-3 | 27 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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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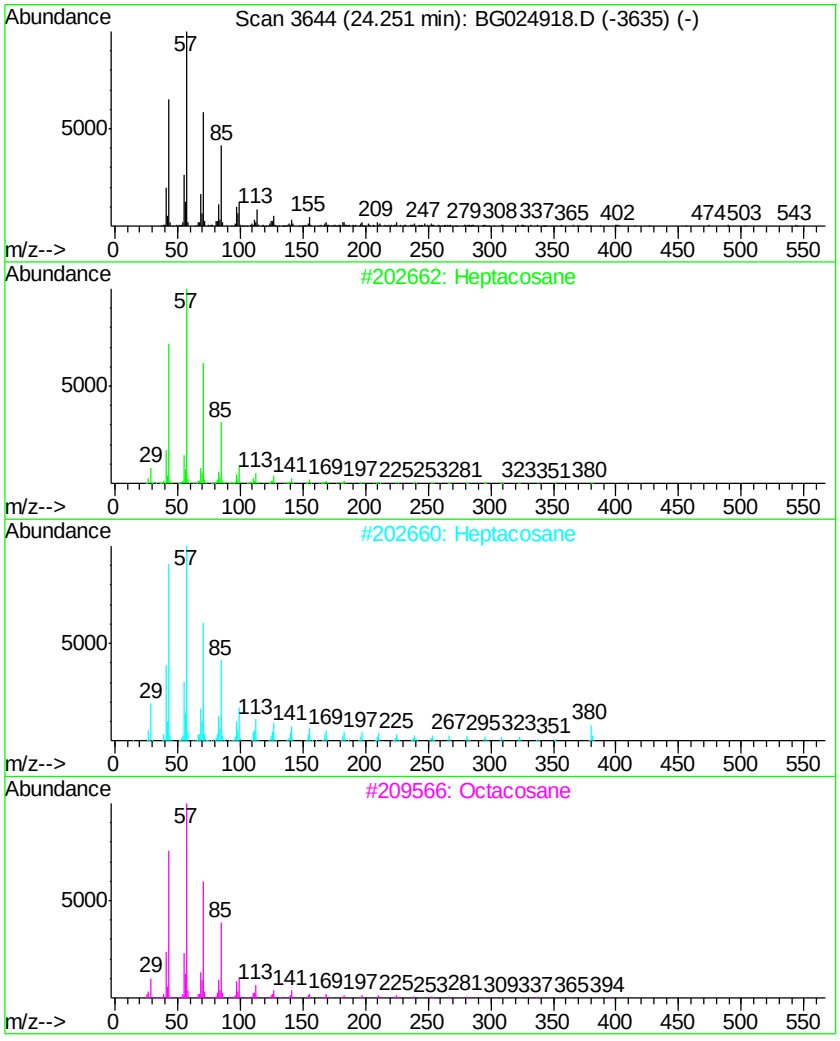
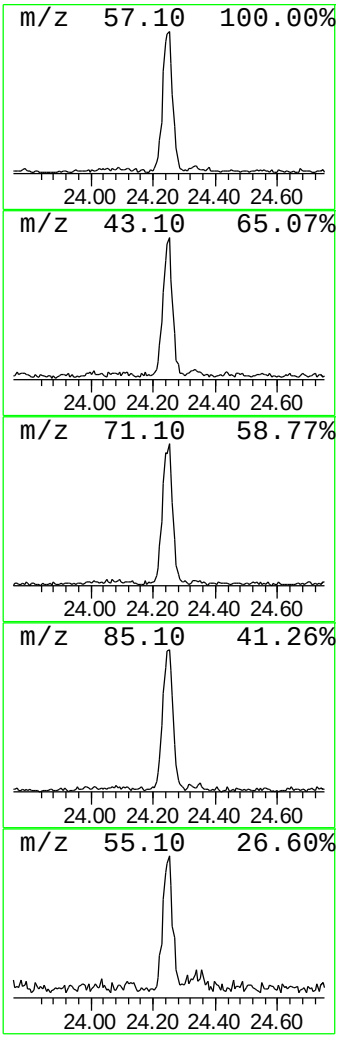
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.25 | 7.40 ng/ul | 810181 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 96 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 95 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 86 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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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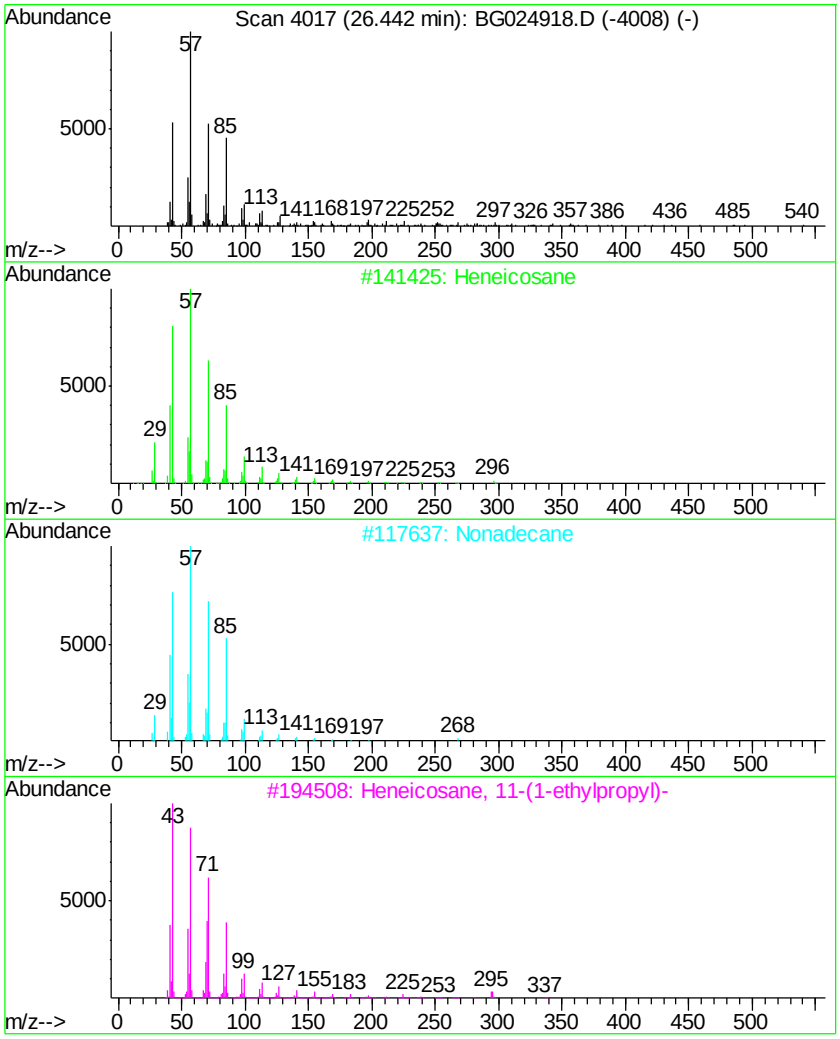
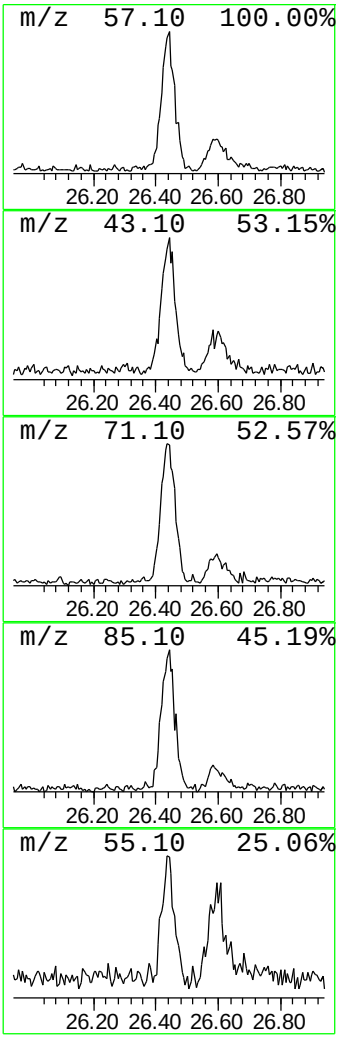
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.44 | 5.14 ng/ul | 562574 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 92 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 3 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 86 |
| 4 | Docosane, 7-butyl- | 366 | C26H54 | 055282-15-0 | 86 |
| 5 | Heptadecane, 8-methyl- | 254 | C18H38 | 013287-23-5 | 81 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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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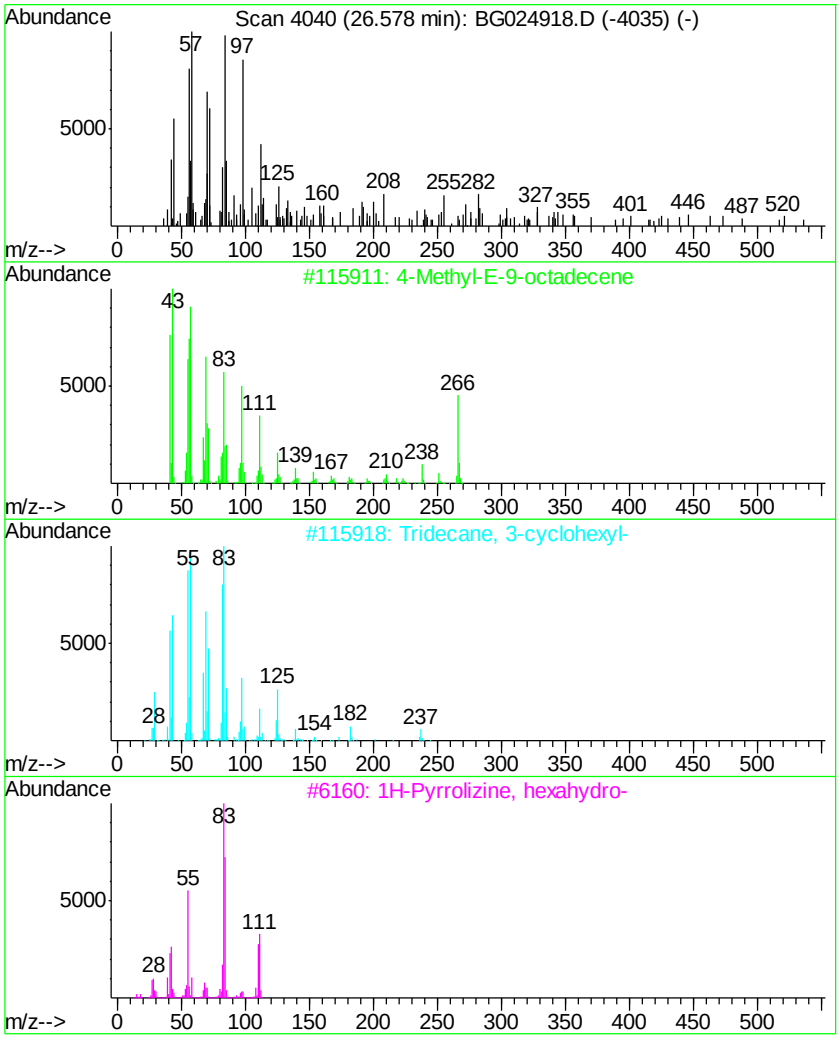
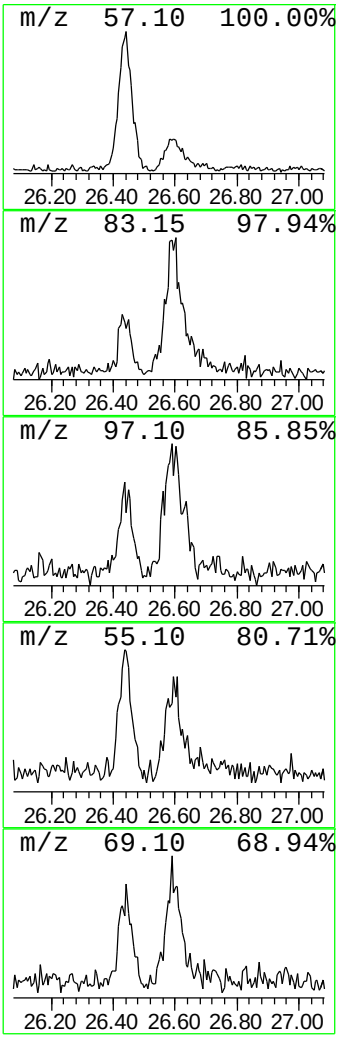
Peak Number 9 (DEL) Alkane: Cyclic26.58 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.58 | 2.32 ng/ul | 253843 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methyl-E-9-octadecene | 266 | C19H38 | 1000130-87-1 | 60 |
| 2 | Tridecane, 3-cyclohexyl- | 266 | C19H38 | 013151-88-7 | 53 |
| 3 | 1H-Pyrrolizine, hexahydro- | 111 | C7H13N | 000643-20-9 | 43 |
| 4 | Benzeneethanamine, 3-fluoro-.bet... | 201 | C9H12FNO3 | 342012-31-1 | 38 |
| 5 | Triacontyl acetate | 480 | C32H64O2 | 041755-58-2 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024918.D
Acq On : 23 Nov 2016 22:25
Operator : UM/SJ
Sample : H5701-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** A4WF0

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 |
| (DEL) Alkane: Cyc... | 4.59 | 2.2 | ng/ul | 55680 | 1 | 8.25 | 499713 | 20.0 |
| 2,6,10,10-Tetrame... | 19.39 | 5.9 | ng/ul | 505649 | 4 | 17.61 | 1722420 | 20.0 |
| 7,12a-Dimethyl-1,... | 21.14 | 2.1 | ng/ul | 234689 | 5 | 21.90 | 2182240 | 20.0 |
| (DEL) Alkane: Cyc... | 21.48 | 3.0 | ng/ul | 322283 | 5 | 21.90 | 2182240 | 20.0 |
| Silane, dimethyl(... | 21.57 | 5.8 | ng/ul | 629772 | 5 | 21.90 | 2182240 | 20.0 |
| unknown-01 | 21.73 | 3.2 | ng/ul | 353578 | 5 | 21.90 | 2182240 | 20.0 |
| (DEL) Alkane: Str... | 24.25 | 7.4 | ng/ul | 810181 | 6 | 25.32 | 2190790 | 20.0 |
| (DEL) Alkane: Str... | 26.44 | 5.1 | ng/ul | 562574 | 6 | 25.32 | 2190790 | 20.0 |
| (DEL) Alkane: Cyc... | 26.58 | 2.3 | ng/ul | 253843 | 6 | 25.32 | 2190790 | 20.0 |