LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

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-BG113016.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 | 3.616 | 124 | 132 | 141 | rVB4 | 70699 | 132155 | 0.44% | 0.202% |
| 2 | 6.207 | 564 | 573 | 579 | rBV7 | 34354 | 72715 | 0.24% | 0.111% |
| 3 | 7.383 | 765 | 773 | 788 | rVB4 | 182318 | 406136 | 1.36% | 0.622% |
| 4 | 7.559 | 794 | 803 | 810 | rBV | 124230 | 205658 | 0.69% | 0.315% |
| 5 | 7.659 | 814 | 820 | 826 | rVB7 | 25957 | 53119 | 0.18% | 0.081% |
| 6 | 7.770 | 826 | 839 | 847 | rBV2 | 169361 | 330878 | 1.11% | 0.507% |
| 7 | 8.240 | 912 | 919 | 927 | rBV2 | 386408 | 706758 | 2.37% | 1.082% |
| 8 | 8.381 | 934 | 943 | 950 | rVB8 | 23142 | 76100 | 0.25% | 0.117% |
| 9 | 8.940 | 1032 | 1038 | 1045 | rVB2 | 206871 | 377864 | 1.27% | 0.579% |
| 10 | 9.339 | 1096 | 1106 | 1113 | rVB8 | 29565 | 65900 | 0.22% | 0.101% |
| 11 | 9.415 | 1113 | 1119 | 1130 | rBV | 181157 | 338454 | 1.13% | 0.518% |
| 12 | 10.144 | 1233 | 1243 | 1251 | rBV2 | 170824 | 331262 | 1.11% | 0.507% |
| 13 | 10.685 | 1327 | 1335 | 1342 | rBV | 237805 | 445010 | 1.49% | 0.681% |
| 14 | 11.072 | 1393 | 1401 | 1417 | rBV | 572365 | 1111818 | 3.72% | 1.702% |
| 15 | 11.207 | 1417 | 1424 | 1436 | rVB8 | 38049 | 105188 | 0.35% | 0.161% |
| 16 | 11.871 | 1531 | 1537 | 1544 | rBV9 | 32981 | 62775 | 0.21% | 0.096% |
| 17 | 12.706 | 1672 | 1679 | 1682 | rBV3 | 53623 | 92067 | 0.31% | 0.141% |
| 18 | 12.741 | 1682 | 1685 | 1690 | rVB6 | 33973 | 53773 | 0.18% | 0.082% |
| 19 | 12.853 | 1698 | 1704 | 1711 | rVB10 | 29841 | 73400 | 0.25% | 0.112% |
| 20 | 12.923 | 1711 | 1716 | 1723 | rVB | 41201 | 74207 | 0.25% | 0.114% |
| 21 | 13.088 | 1742 | 1744 | 1754 | rVB10 | 18986 | 47037 | 0.16% | 0.072% |
| 22 | 13.346 | 1782 | 1788 | 1795 | rBV9 | 23045 | 58883 | 0.20% | 0.090% |
| 23 | 13.646 | 1833 | 1839 | 1843 | rVB6 | 42289 | 74055 | 0.25% | 0.113% |
| 24 | 14.034 | 1895 | 1905 | 1913 | rBV6 | 38533 | 132693 | 0.44% | 0.203% |
| 25 | 14.180 | 1925 | 1930 | 1936 | rVV7 | 53007 | 129598 | 0.43% | 0.198% |
| 26 | 14.251 | 1936 | 1942 | 1947 | rVV | 445129 | 757370 | 2.54% | 1.160% |
| 27 | 14.298 | 1947 | 1950 | 1960 | rVB | 104428 | 165713 | 0.56% | 0.254% |
| 28 | 14.557 | 1988 | 1994 | 2004 | rVB | 462886 | 796406 | 2.67% | 1.219% |
| 29 | 14.709 | 2012 | 2020 | 2024 | rVB2 | 64524 | 92121 | 0.31% | 0.141% |
| 30 | 14.862 | 2034 | 2046 | 2056 | rBV | 1028838 | 1726154 | 5.78% | 2.643% |
| 31 | 14.991 | 2062 | 2068 | 2073 | rVB2 | 42053 | 64979 | 0.22% | 0.099% |
| 32 | 15.050 | 2073 | 2078 | 2090 | rBV3 | 164255 | 294278 | 0.99% | 0.451% |
| 33 | 15.156 | 2090 | 2096 | 2100 | rBV8 | 22469 | 48984 | 0.16% | 0.075% |
| 34 | 15.250 | 2106 | 2112 | 2120 | rVB8 | 38048 | 104653 | 0.35% | 0.160% |

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

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-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.326 | 2120 | 2125 | 2128 | rBV7 | 31743 | 48139 | 0.16% | 0.074% |
| 36 | 15.461 | 2142 | 2148 | 2154 | rBV7 | 32967 | 59385 | 0.20% | 0.091% |
| 37 | 15.520 | 2154 | 2158 | 2162 | rBV7 | 24358 | 46493 | 0.16% | 0.071% |
| 38 | 15.614 | 2167 | 2174 | 2177 | rBV3 | 75862 | 131768 | 0.44% | 0.202% |
| 39 | 15.655 | 2177 | 2181 | 2190 | rVB | 86967 | 157044 | 0.53% | 0.240% |
| 40 | 15.779 | 2190 | 2202 | 2207 | rBV2 | 103734 | 193766 | 0.65% | 0.297% |
| 41 | 15.849 | 2207 | 2214 | 2226 | rVV | 611662 | 1070523 | 3.59% | 1.639% |
| 42 | 15.961 | 2228 | 2233 | 2242 | rVB | 203305 | 330430 | 1.11% | 0.506% |
| 43 | 16.055 | 2245 | 2249 | 2253 | rBV6 | 32412 | 46009 | 0.15% | 0.070% |
| 44 | 16.108 | 2253 | 2258 | 2263 | rVB9 | 19991 | 48265 | 0.16% | 0.074% |
| 45 | 16.155 | 2263 | 2266 | 2269 | rBV5 | 30613 | 44580 | 0.15% | 0.068% |
| 46 | 16.196 | 2269 | 2273 | 2278 | rVB8 | 26089 | 55708 | 0.19% | 0.085% |
| 47 | 16.278 | 2279 | 2287 | 2295 | rBV8 | 61709 | 149458 | 0.50% | 0.229% |
| 48 | 16.337 | 2295 | 2297 | 2303 | rVB7 | 31037 | 50259 | 0.17% | 0.077% |
| 49 | 16.513 | 2322 | 2327 | 2330 | rBV | 115827 | 158300 | 0.53% | 0.242% |
| 50 | 16.560 | 2330 | 2335 | 2340 | rVB3 | 125309 | 224825 | 0.75% | 0.344% |
| 51 | 16.654 | 2347 | 2351 | 2355 | rBV | 236240 | 316049 | 1.06% | 0.484% |
| 52 | 16.713 | 2356 | 2361 | 2368 | rVB3 | 211839 | 438238 | 1.47% | 0.671% |
| 53 | 16.772 | 2368 | 2371 | 2376 | rBV2 | 225649 | 279544 | 0.94% | 0.428% |
| 54 | 16.819 | 2376 | 2379 | 2383 | rVB3 | 151799 | 191735 | 0.64% | 0.294% |
| 55 | 16.871 | 2383 | 2388 | 2395 | rBV5 | 124872 | 345992 | 1.16% | 0.530% |
| 56 | 16.977 | 2400 | 2406 | 2412 | rVB4 | 154876 | 332385 | 1.11% | 0.509% |
| 57 | 17.042 | 2412 | 2417 | 2421 | rBV | 204588 | 300528 | 1.01% | 0.460% |
| 58 | 17.118 | 2426 | 2430 | 2438 | rVB4 | 130880 | 231339 | 0.77% | 0.354% |
| 59 | 17.259 | 2449 | 2454 | 2458 | rVB8 | 45397 | 58444 | 0.20% | 0.089% |
| 60 | 17.306 | 2458 | 2462 | 2467 | rBV4 | 97955 | 149224 | 0.50% | 0.228% |
| 61 | 17.441 | 2480 | 2485 | 2493 | rBV4 | 68482 | 140076 | 0.47% | 0.214% |
| 62 | 17.606 | 2504 | 2513 | 2518 | rBV | 1253454 | 2011035 | 6.74% | 3.079% |
| 63 | 17.700 | 2524 | 2529 | 2539 | rVV2 | 700914 | 1081597 | 3.62% | 1.656% |
| 64 | 18.041 | 2584 | 2587 | 2599 | rVV3 | 100013 | 178323 | 0.60% | 0.273% |
| 65 | 18.229 | 2615 | 2619 | 2624 | rVB8 | 32052 | 64739 | 0.22% | 0.099% |
| 66 | 18.329 | 2633 | 2636 | 2643 | rVV9 | 26834 | 45397 | 0.15% | 0.070% |
| 67 | 18.446 | 2651 | 2656 | 2665 | rBV3 | 364042 | 537343 | 1.80% | 0.823% |
| 68 | 18.528 | 2667 | 2670 | 2677 | rVB8 | 56283 | 95798 | 0.32% | 0.147% |
| 69 | 18.728 | 2700 | 2704 | 2709 | rVB2 | 115622 | 130952 | 0.44% | 0.201% |
| 70 | 19.292 | 2796 | 2800 | 2802 | rBV5 | 61541 | 84379 | 0.28% | 0.129% |
| 71 | 19.351 | 2807 | 2810 | 2816 | rBV2 | 133386 | 191893 | 0.64% | 0.294% |

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Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

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-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.515 | 2833 | 2838 | 2844 | rBV10 | 43799 | 100897 | 0.34% | 0.154% |
| 73 | 19.639 | 2854 | 2859 | 2864 | rVB | 233798 | 352371 | 1.18% | 0.540% |
| 74 | 19.703 | 2865 | 2870 | 2882 | rVB4 | 203534 | 322309 | 1.08% | 0.494% |
| 75 | 19.921 | 2900 | 2907 | 2911 | rVB | 149423 | 214501 | 0.72% | 0.328% |
| 76 | 19.974 | 2911 | 2916 | 2926 | rBV2 | 864467 | 1665992 | 5.58% | 2.551% |
| 77 | 20.314 | 2971 | 2974 | 2979 | rVB7 | 36091 | 70504 | 0.24% | 0.108% |
| 78 | 20.450 | 2990 | 2997 | 3007 | rBV6 | 190445 | 453040 | 1.52% | 0.694% |
| 79 | 20.943 | 3073 | 3081 | 3095 | rBV8 | 168538 | 513686 | 1.72% | 0.787% |
| 80 | 21.372 | 3150 | 3154 | 3160 | rVB2 | 107298 | 175344 | 0.59% | 0.268% |
| 81 | 21.472 | 3165 | 3171 | 3181 | rVB4 | 248948 | 481674 | 1.61% | 0.738% |
| 82 | 21.742 | 3209 | 3217 | 3230 | rVB | 19120250 | 29857846 | 100.00% | 45.718% |
| 83 | 21.895 | 3234 | 3243 | 3249 | rBV | 1464621 | 2764712 | 9.26% | 4.233% |
| 84 | 22.018 | 3260 | 3264 | 3275 | rVV | 93354 | 264832 | 0.89% | 0.406% |
| 85 | 22.095 | 3275 | 3277 | 3286 | rVB10 | 88904 | 190746 | 0.64% | 0.292% |
| 86 | 22.447 | 3333 | 3337 | 3344 | rVB2 | 114783 | 219404 | 0.73% | 0.336% |
| 87 | 22.524 | 3347 | 3350 | 3357 | rVB2 | 107308 | 196565 | 0.66% | 0.301% |
| 88 | 23.011 | 3426 | 3433 | 3444 | rVB | 409847 | 885998 | 2.97% | 1.357% |
| 89 | 23.893 | 3577 | 3583 | 3591 | rBV2 | 127090 | 313771 | 1.05% | 0.480% |
| 90 | 24.228 | 3632 | 3640 | 3649 | rBV5 | 160448 | 513834 | 1.72% | 0.787% |
| 91 | 24.645 | 3704 | 3711 | 3715 | rBV2 | 224715 | 558796 | 1.87% | 0.856% |
| 92 | 24.985 | 3765 | 3769 | 3774 | rVB | 61747 | 117688 | 0.39% | 0.180% |
| 93 | 25.074 | 3775 | 3784 | 3803 | rVB3 | 417133 | 1550414 | 5.19% | 2.374% |
| 94 | 25.232 | 3806 | 3811 | 3815 | rBV8 | 57115 | 116290 | 0.39% | 0.178% |
| 95 | 25.314 | 3815 | 3825 | 3836 | rVB3 | 757823 | 2311400 | 7.74% | 3.539% |
| 96 | 25.914 | 3924 | 3927 | 3941 | rVB3 | 120078 | 302899 | 1.01% | 0.464% |
| 97 | 26.419 | 4008 | 4013 | 4024 | rVB6 | 96998 | 251371 | 0.84% | 0.385% |
| 98 | 26.560 | 4031 | 4037 | 4043 | rBV6 | 49982 | 122691 | 0.41% | 0.188% |
| 99 | 26.942 | 4093 | 4102 | 4120 | rVB3 | 184445 | 725198 | 2.43% | 1.110% |
| 100 | 29.216 | 4485 | 4489 | 4491 | rBV5 | 40139 | 65927 | 0.22% | 0.101% |

Sum of corrected areas: 65308823

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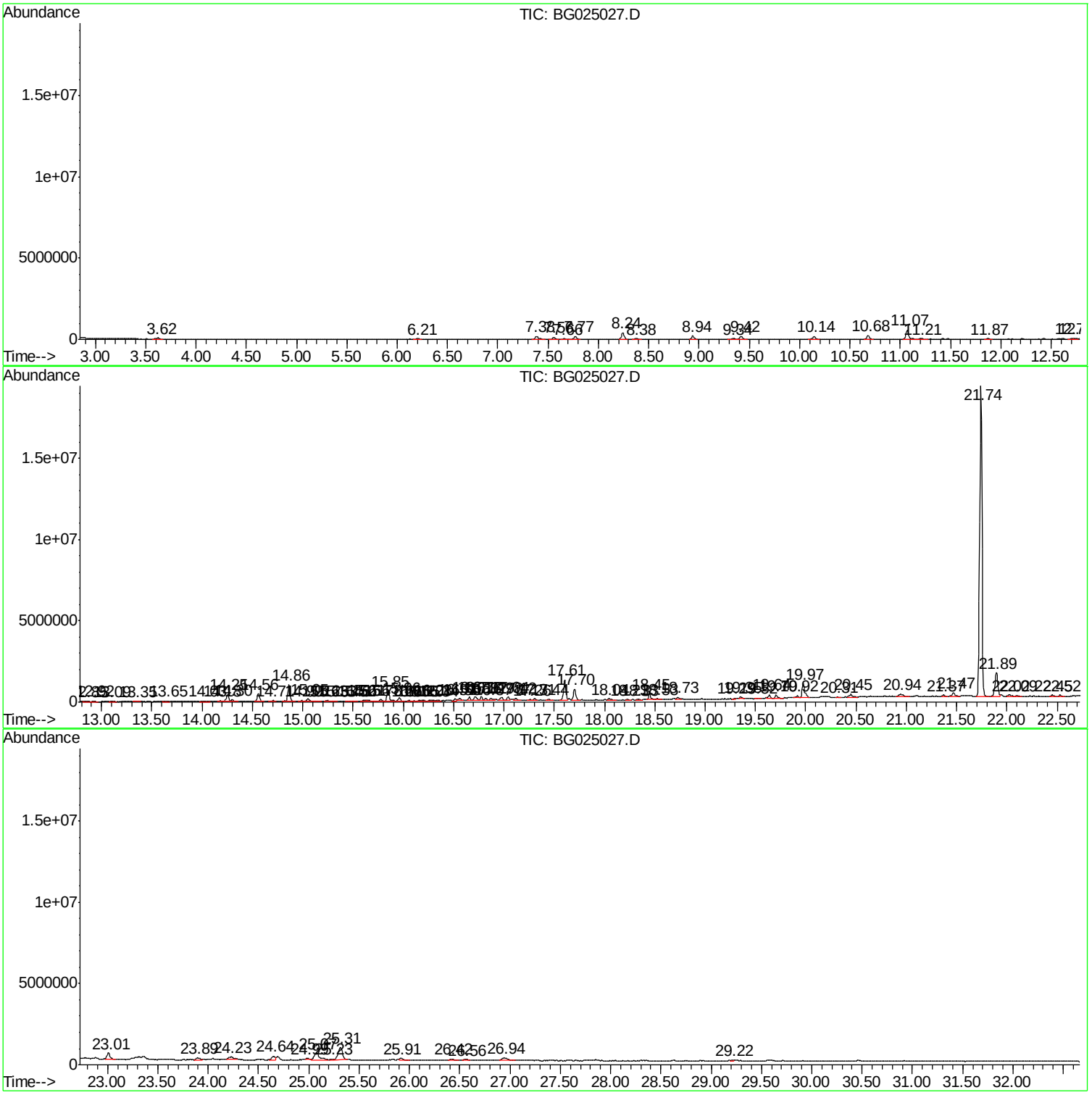
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
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**Instrument :** BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

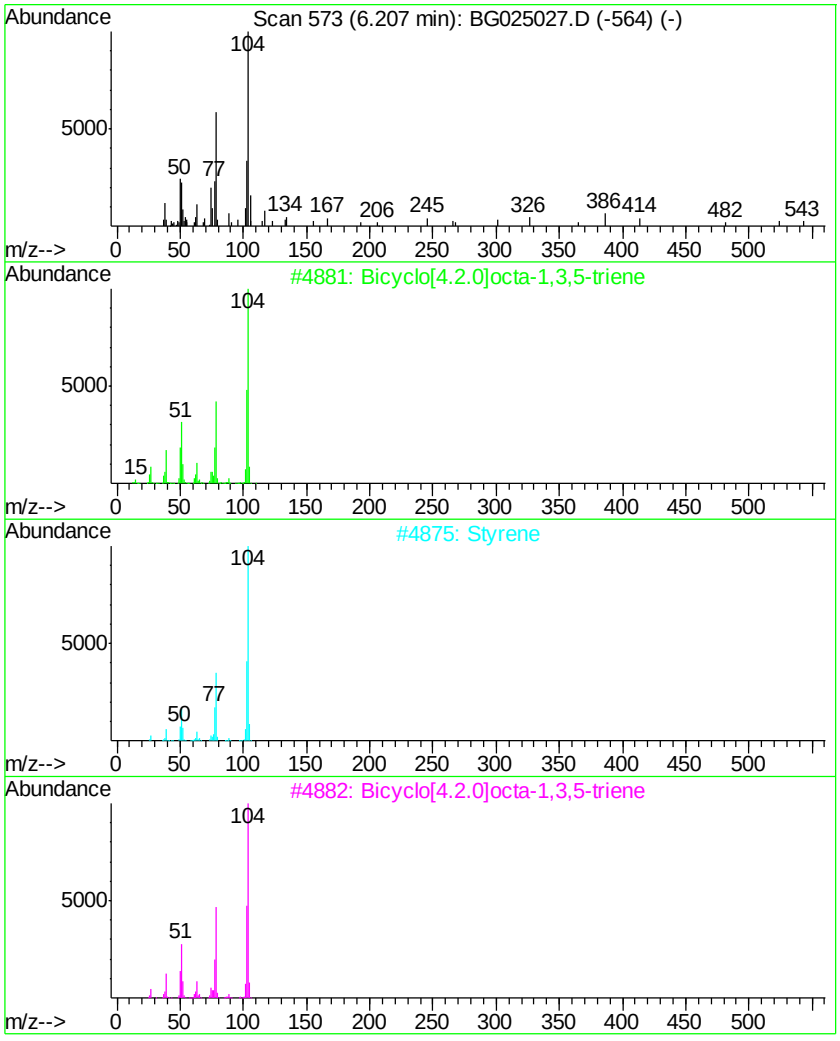
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

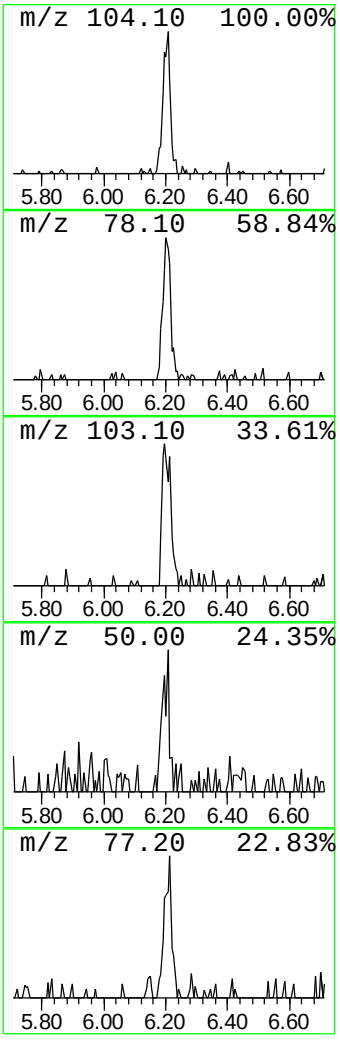
**********

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.21 | 2.06 ng/ul | 72715 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.2.0]octa-1,3,5-triene | 104 | C8H8 | 000694-87-1 | 81 |
| 2 | Styrene | 104 | C8H8 | 000100-42-5 | 72 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene | 104 | C8H8 | 000694-87-1 | 58 |
| 4 | Styrene | 104 | C8H8 | 000100-42-5 | 58 |
| 5 | Styrene | 104 | C8H8 | 000100-42-5 | 53 |



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Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

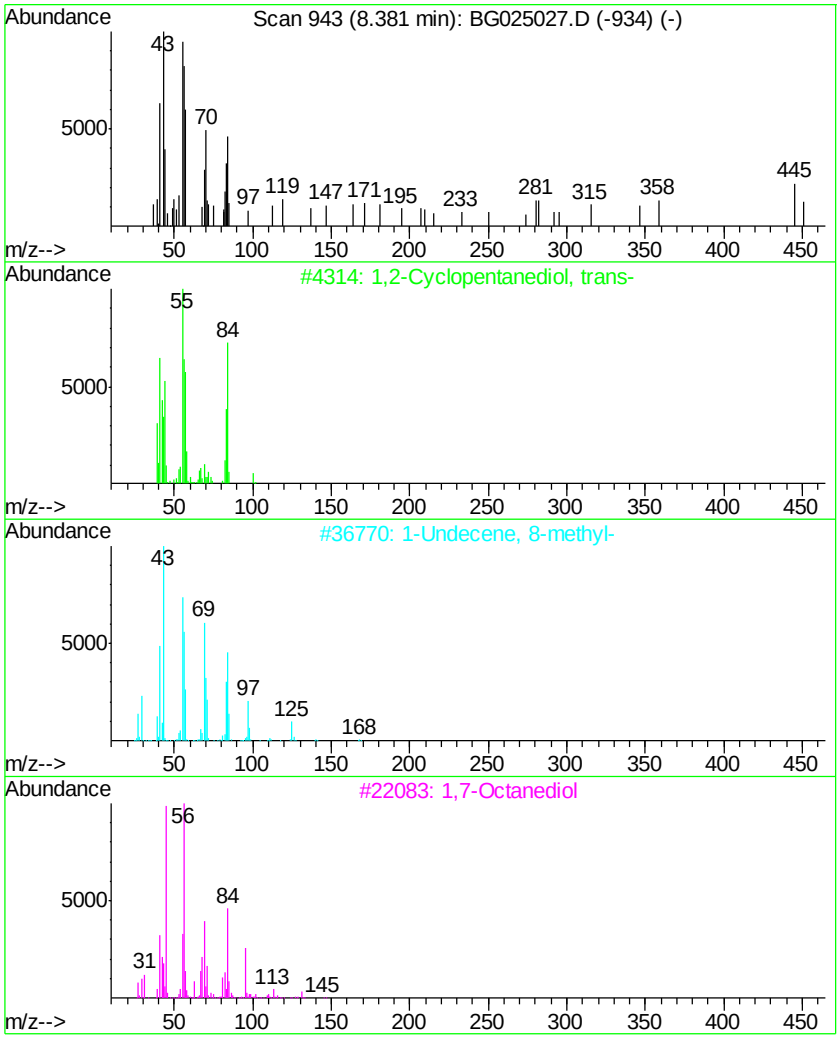
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

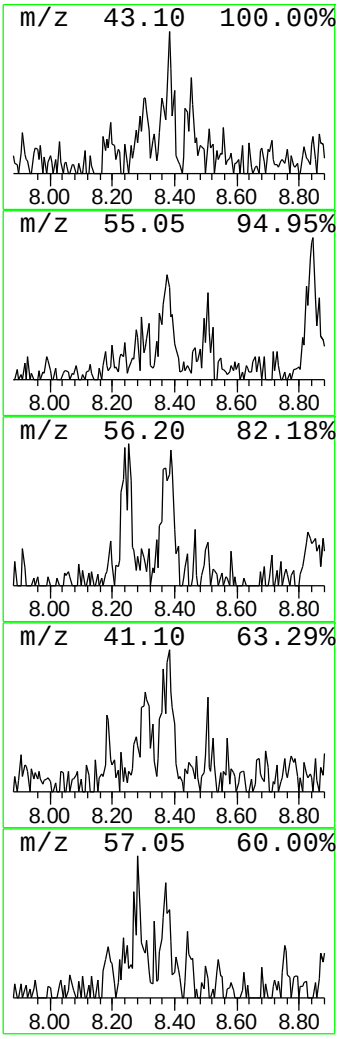
**********

Peak Number 2 unknown-01 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.38 | 2.15 ng/ul | 76100 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Cyclopentanediol, trans- | 102 | C5H10O2 | 005057-99-8 | 47 |
| 2 | 1-Undecene, 8-methyl- | 168 | C12H24 | 074630-40-3 | 38 |
| 3 | 1,7-Octanediol | 146 | C8H18O2 | 013175-32-1 | 38 |
| 4 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 38 |
| 5 | Cyclopropane, octyl- | 154 | C11H22 | 001472-09-9 | 27 |



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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

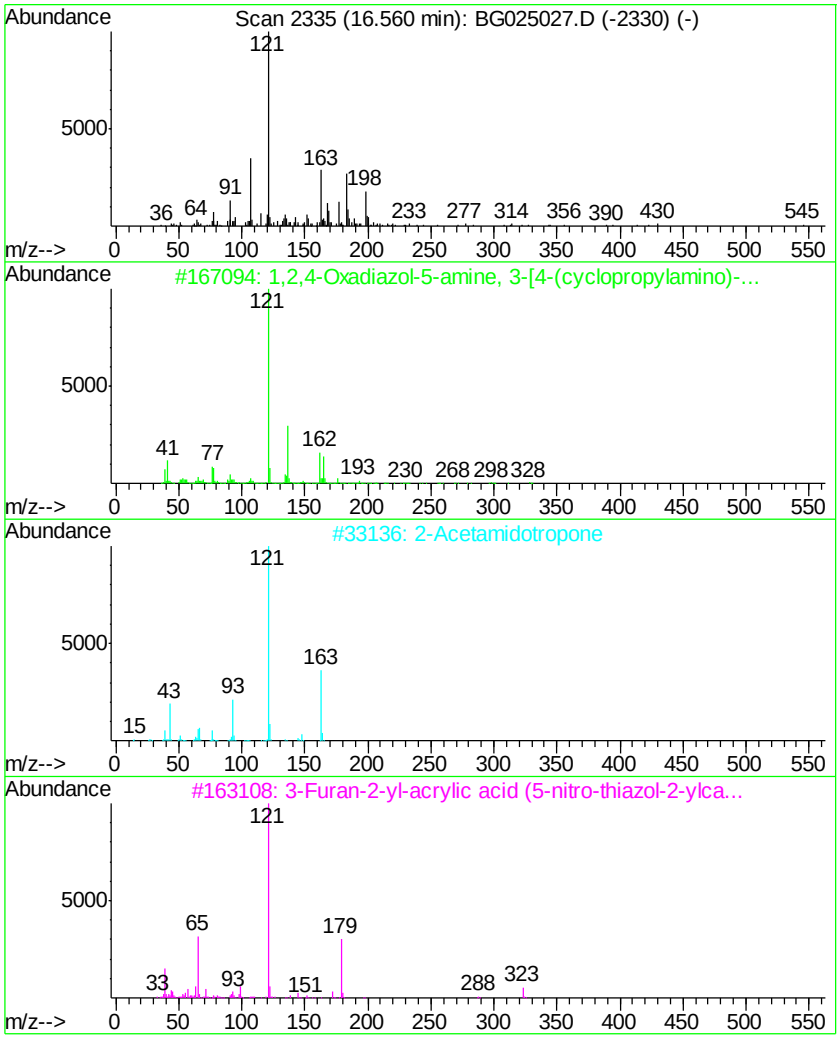
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

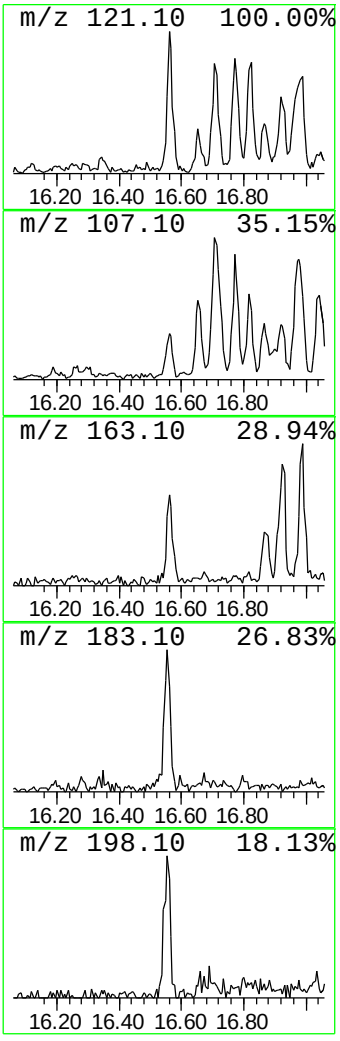
**********

Peak Number 4 unknown-02 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.56 | 2.24 ng/ul | 224825 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,4-Oxadiazol-5-amine, 3-[4-(c... | 328 | C15H16N6O3 | 1000351-08-7 | 41 |
| 2 | 2-Acetamidotropone | 163 | C9H9NO2 | 006422-12-4 | 37 |
| 3 | 3-Furan-2-yl-acrylic acid (5-nit... | 323 | C12H9N3O6S | 1000297-34-3 | 35 |
| 4 | 4-Methyl-2-propylphenol | 150 | C10H14O | 004074-46-8 | 35 |
| 5 | (4-Methoxy-phenyl)-acetic acid N... | 346 | C15H14N4O6 | 349614-55-7 | 35 |



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Acq On : 9 Dec 2016 4:29
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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

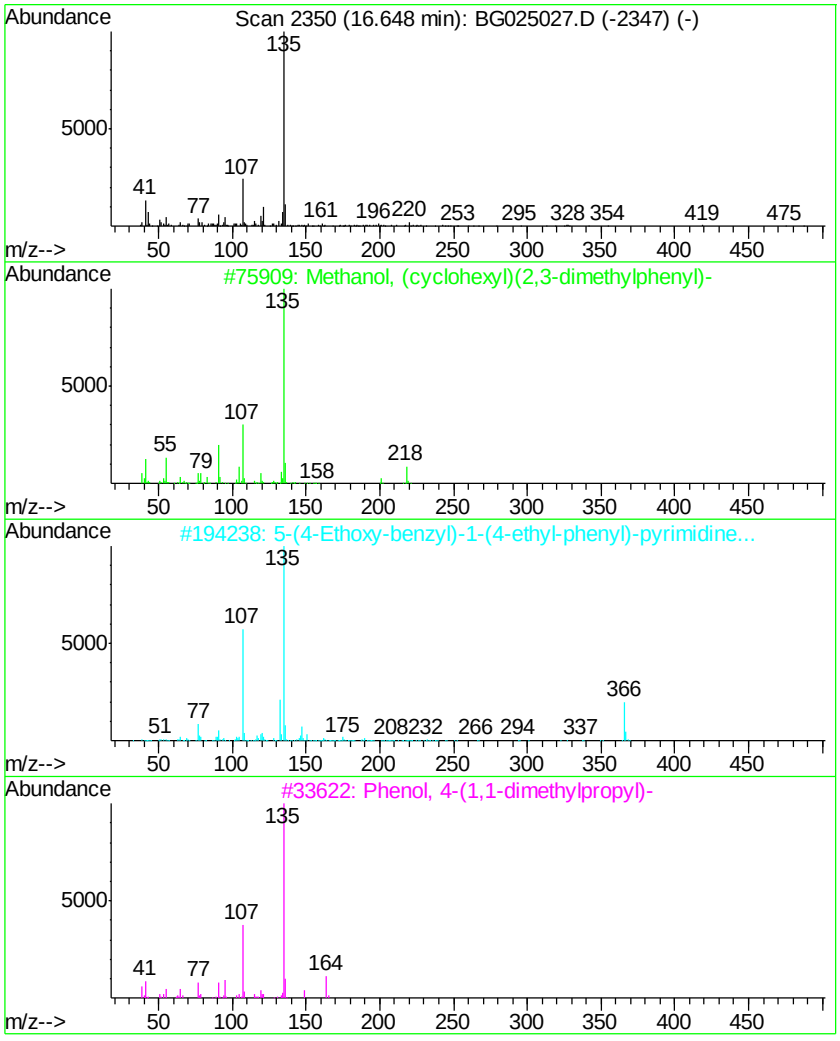
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

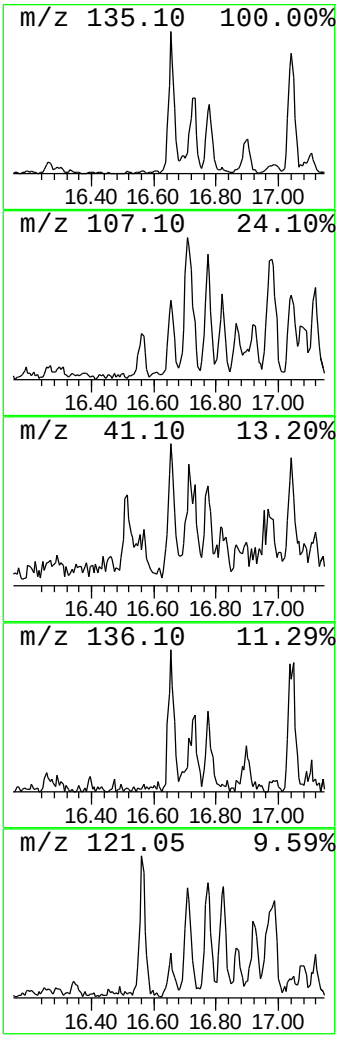
**********

Peak Number 5 Methanol, (cyclohexyl)(2,3-... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.65 | 3.14 ng/ul | 316049 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanol, (cyclohexyl)(2,3-dimet... | 218 | C15H22O | 349498-47-1 | 72 |
| 2 | 5-(4-Ethoxy-benzyl)-1-(4-ethyl-p... | 366 | C21H22N2O4 | 1000294-59-9 | 72 |
| 3 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 72 |
| 4 | Pentanoic acid, 5-hydroxy-, p-t-... | 250 | C15H22O3 | 166273-37-6 | 72 |
| 5 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 72 |



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Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

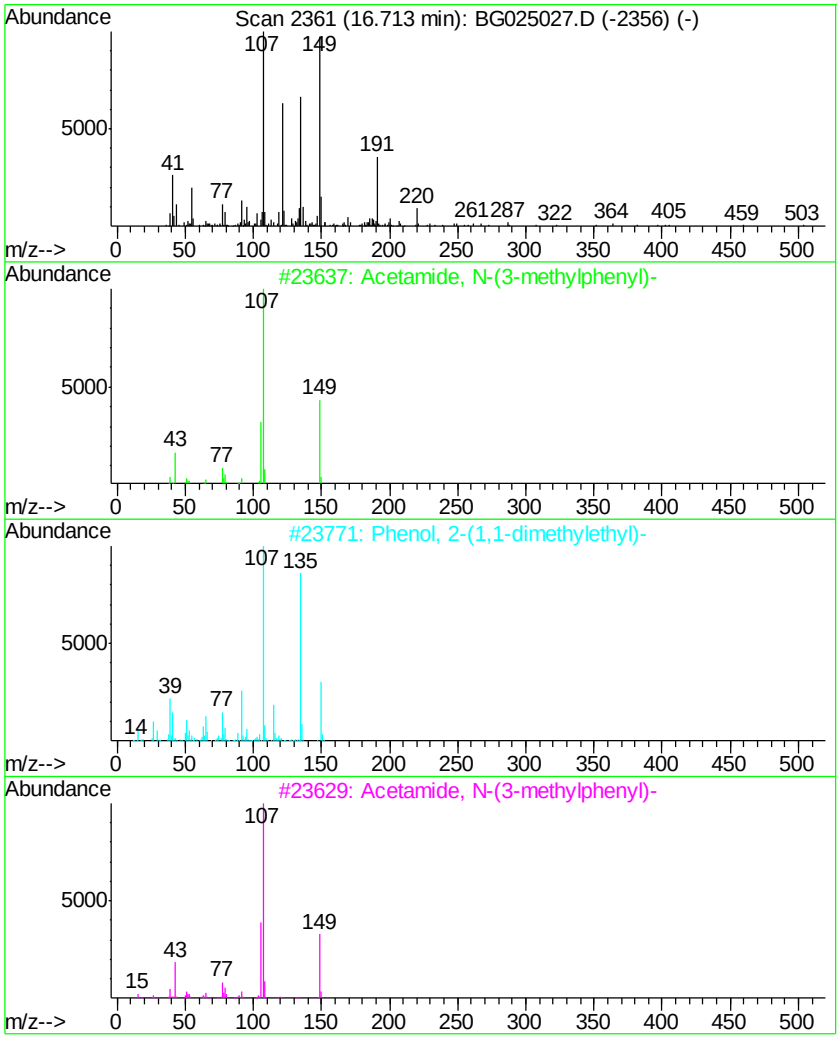
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

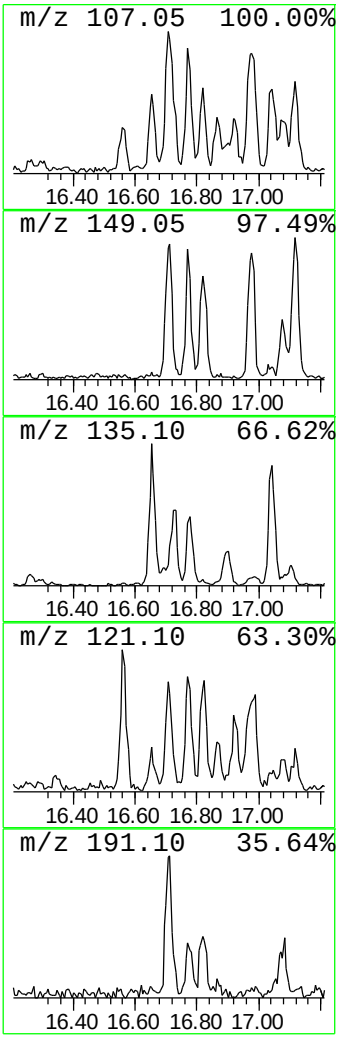
**********

Peak Number 6 unknown-03 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.71 | 4.36 ng/ul | 438238 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 47 |
| 2 | Phenol, 2-(1,1-dimethylethyl)- | 150 | C10H14O | 000088-18-6 | 38 |
| 3 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 35 |
| 4 | 4-Methyl-2-tert-octylphenol | 220 | C15H24O | 004979-46-8 | 30 |
| 5 | Tricyclo[3.3.1.1(3,7)]decanone, ... | 228 | C10H13BrO | 032456-48-7 | 22 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

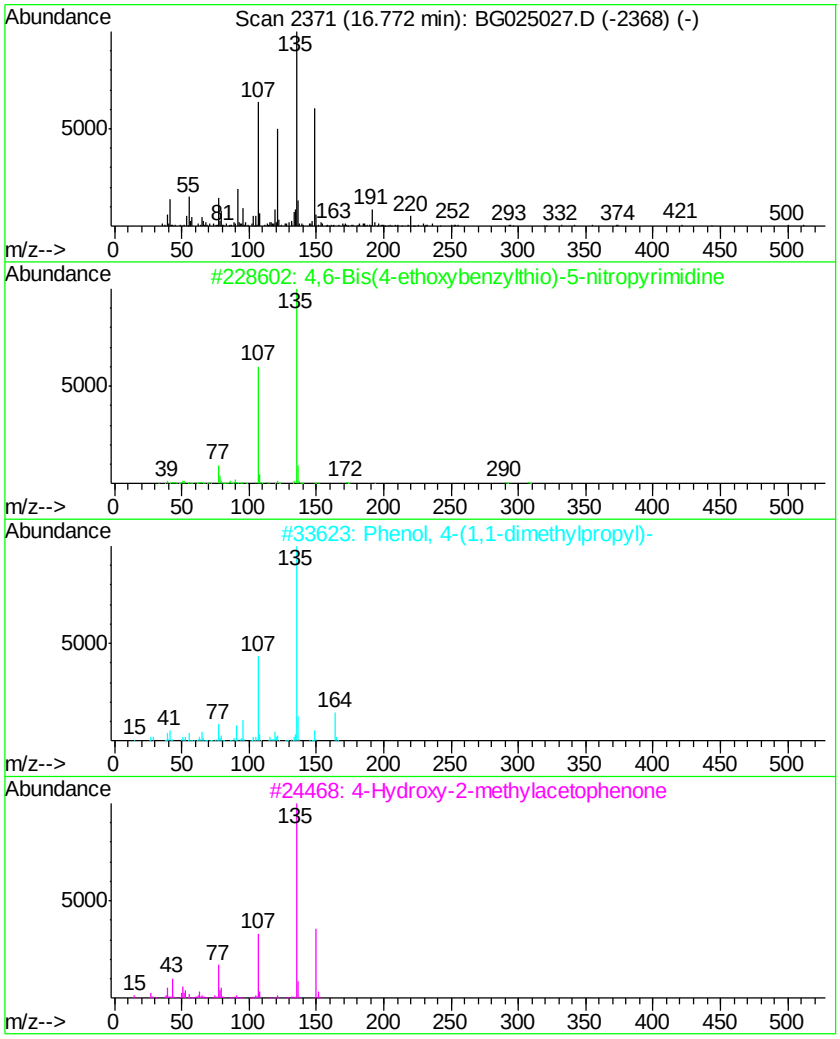
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

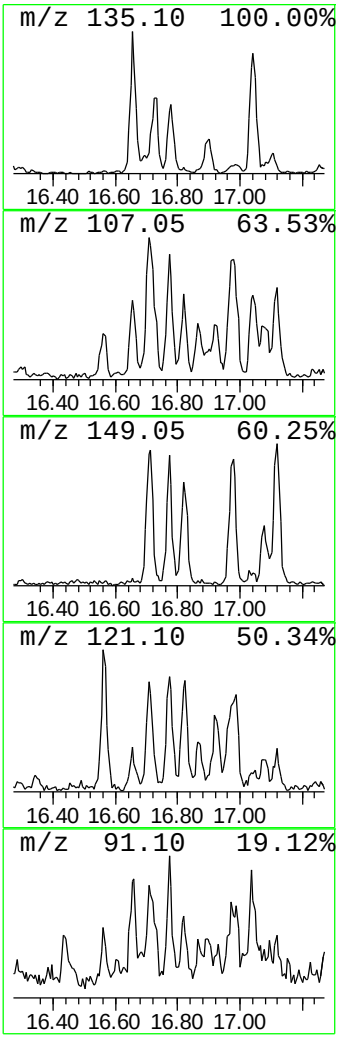
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 4,6-Bis(4-ethoxybenzylthio)... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.77 | 2.78 ng/ul | 279544 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,6-Bis(4-ethoxybenzylthio)-5-ni... | 457 | C22H23N3O4S2 | 325957-76-4 | 50 |
| 2 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 50 |
| 3 | 4-Hydroxy-2-methylacetophenone | 150 | C9H10O2 | 000875-59-2 | 50 |
| 4 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 50 |
| 5 | Phenol, 5-methyl-2-(1-methylethy... | 192 | C12H16O2 | 000528-79-0 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

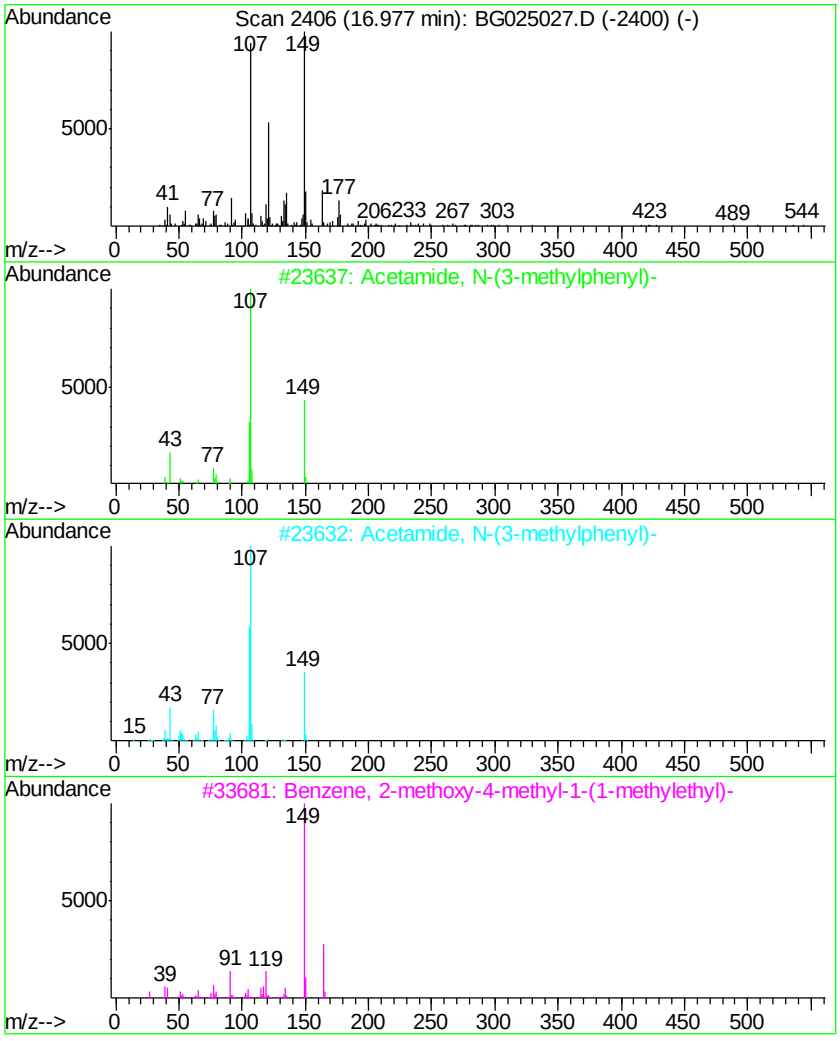
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

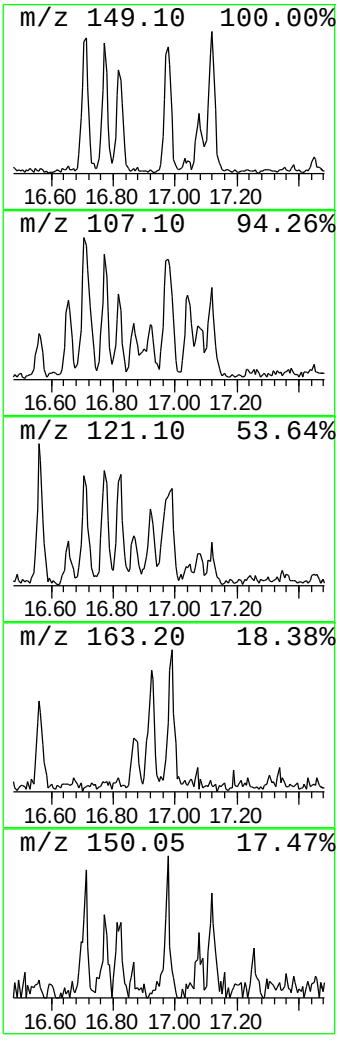
**********

Peak Number 9 Acetamide, N-(3-methylphenyl)- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.98 | 3.31 ng/ul | 332385 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 59 |
| 2 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 49 |
| 3 | Benzene, 2-methoxy-4-methyl-1-(1... | 164 | C11H16O | 001076-56-8 | 35 |
| 4 | Phthalic acid, ethyl 2-(2-nitrop... | 343 | C18H17NO6 | 1000377-99-1 | 35 |
| 5 | Benzene, 2-methoxy-4-methyl-1-(1... | 164 | C11H16O | 001076-56-8 | 35 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

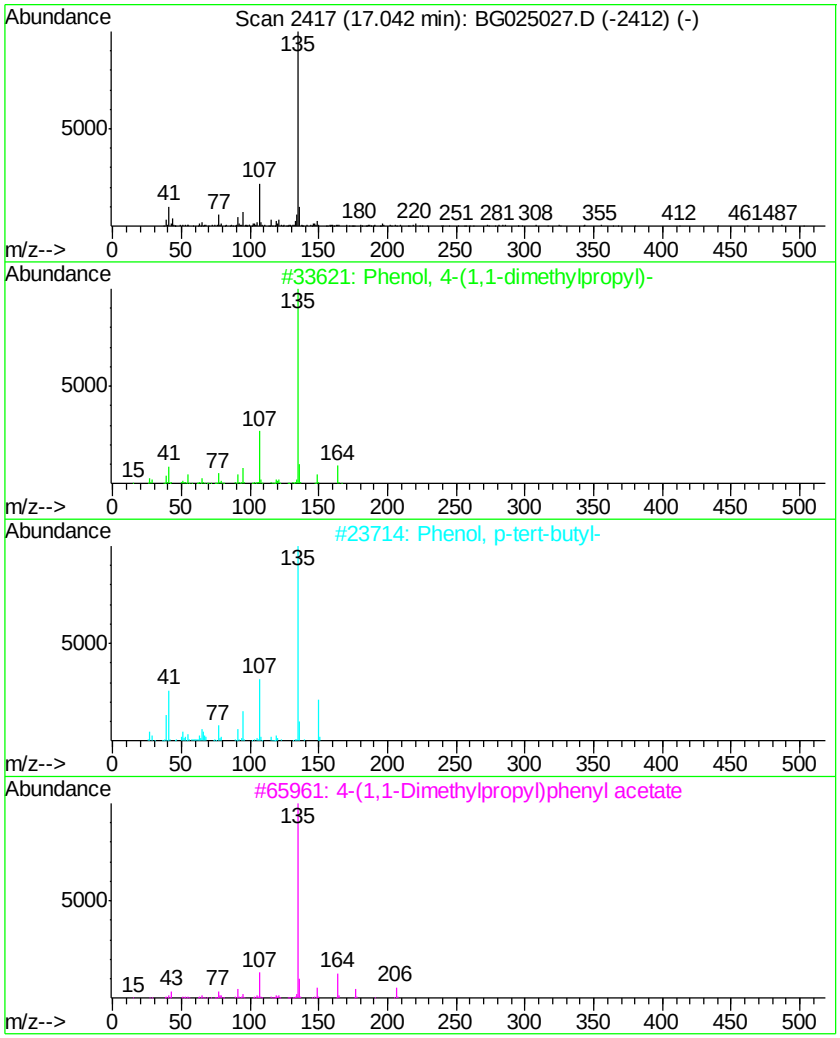
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

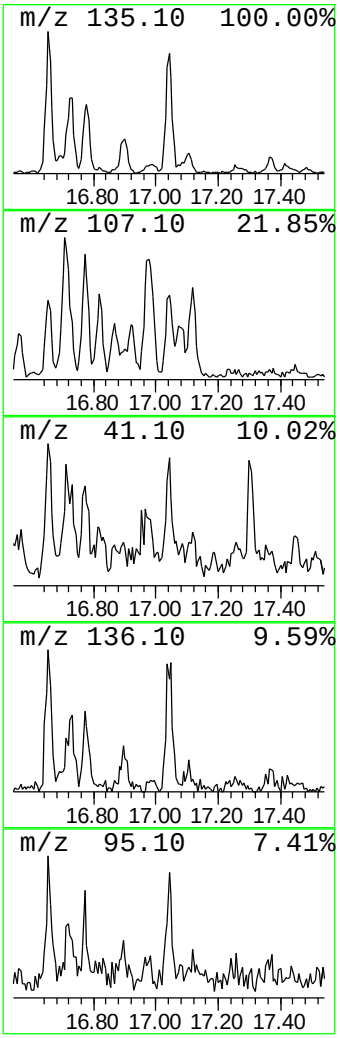
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Phenol, 4-(1,1-dimethylprop... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.04 | 2.99 ng/ul | 300528 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 72 |
| 2 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 72 |
| 3 | 4-(1,1-Dimethylpropyl)phenyl ace... | 206 | C13H18O2 | 1000373-45-3 | 72 |
| 4 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 64 |
| 5 | 4-tert-Butylphenyl acetate | 192 | C12H16O2 | 003056-64-2 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

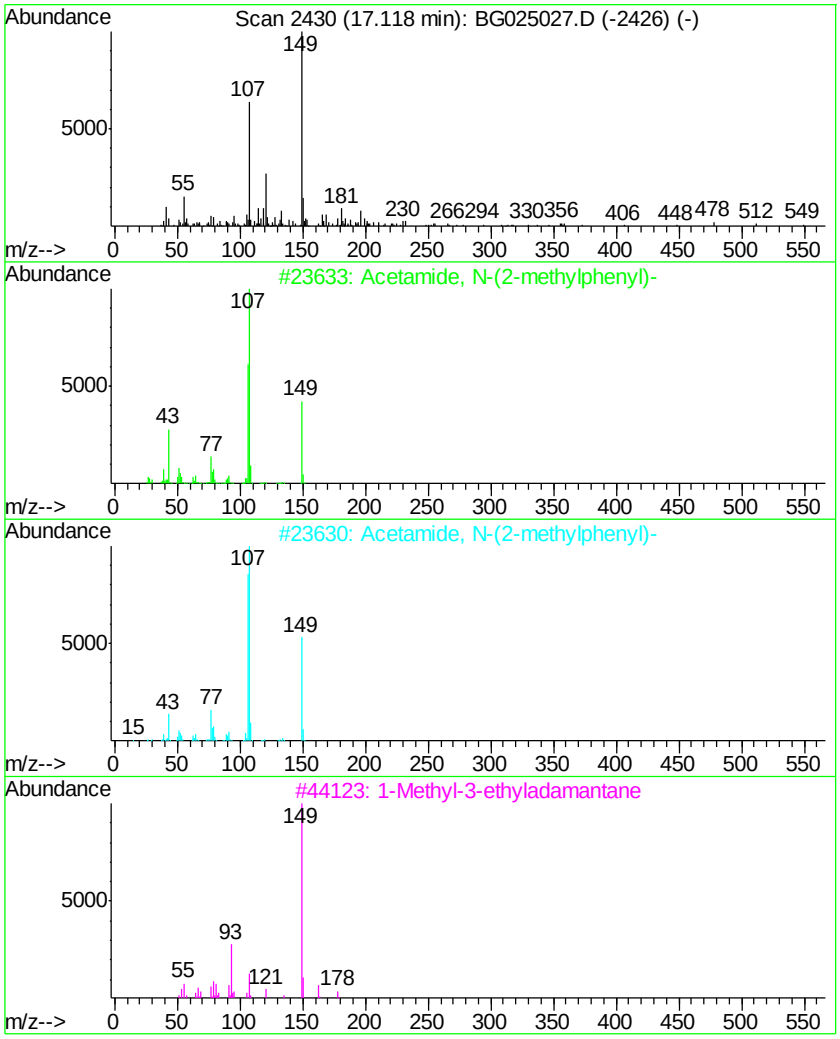
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

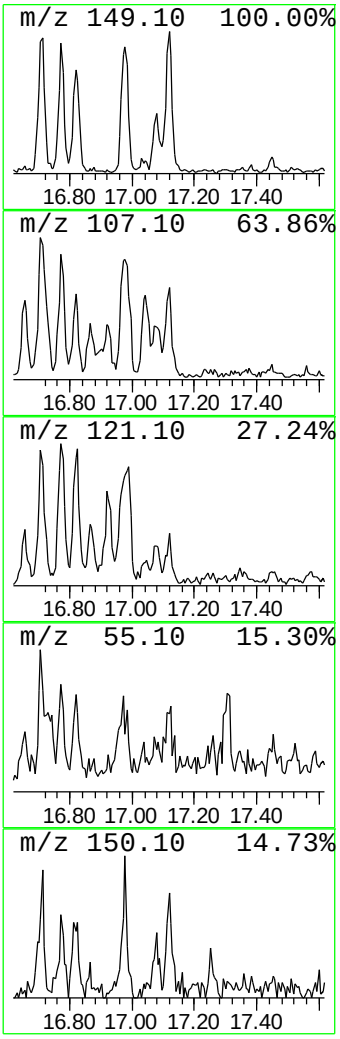
**********

Peak Number 11 Acetamide, N-(2-methylphenyl)- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.12 | 2.30 ng/ul | 231339 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(2-methylphenyl)- | 149 | C9H11NO | 000120-66-1 | 52 |
| 2 | Acetamide, N-(2-methylphenyl)- | 149 | C9H11NO | 000120-66-1 | 52 |
| 3 | 1-Methyl-3-ethyladamantane | 178 | C13H22 | 001687-34-9 | 47 |
| 4 | Phthalic acid, hexyl 1-phenylpro... | 368 | C23H28O4 | 1000324-39-2 | 47 |
| 5 | Phthalic acid, 2,7-dimethyloct-7... | 370 | C23H30O4 | 1000315-49-1 | 47 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

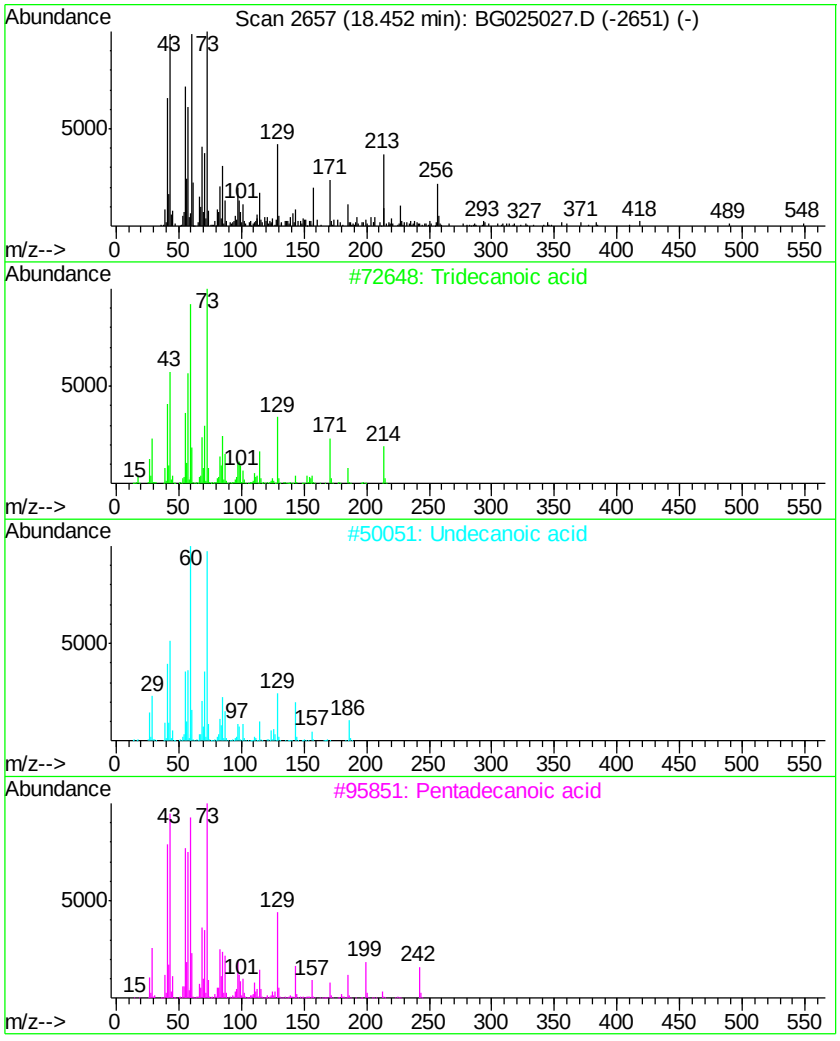
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

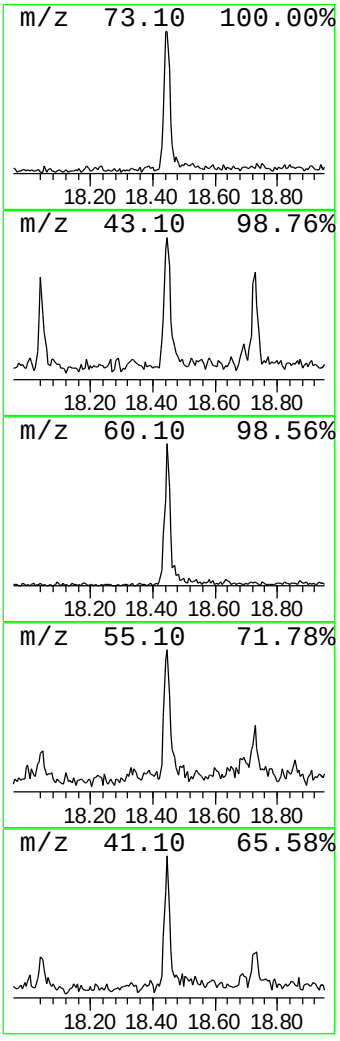
**********

Peak Number 12 Tridecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.45 | 5.34 ng/ul | 537343 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 2 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 76 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 70 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

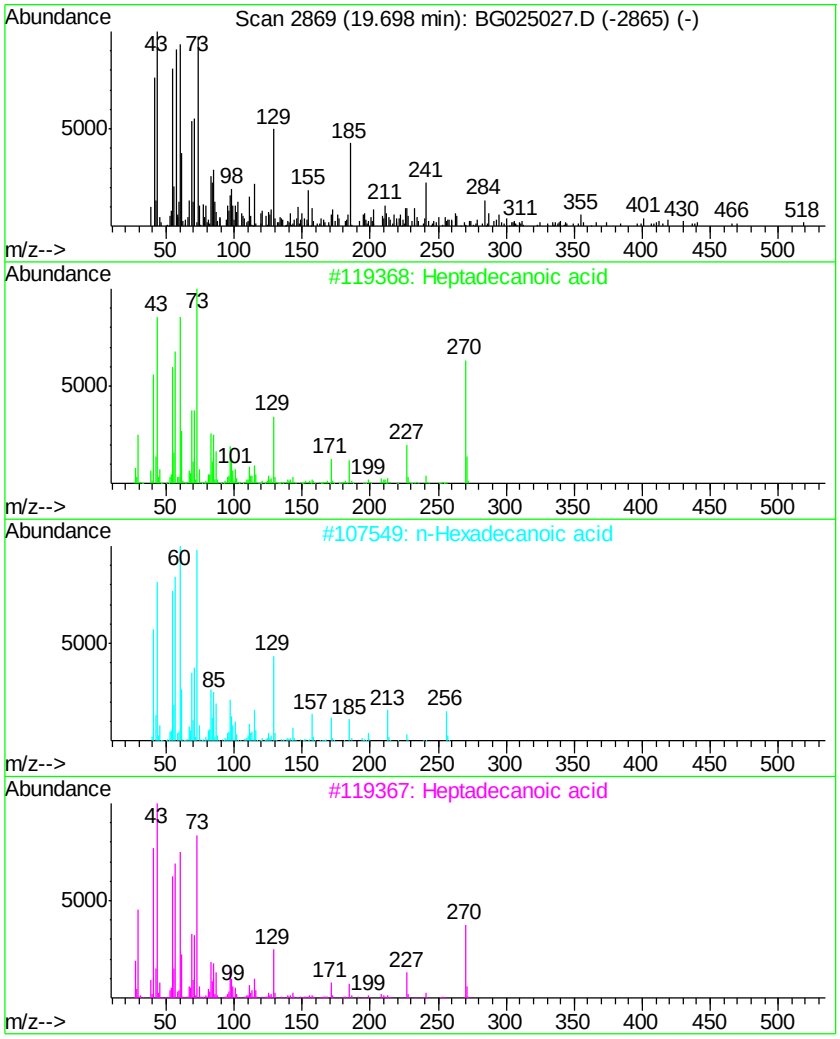
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

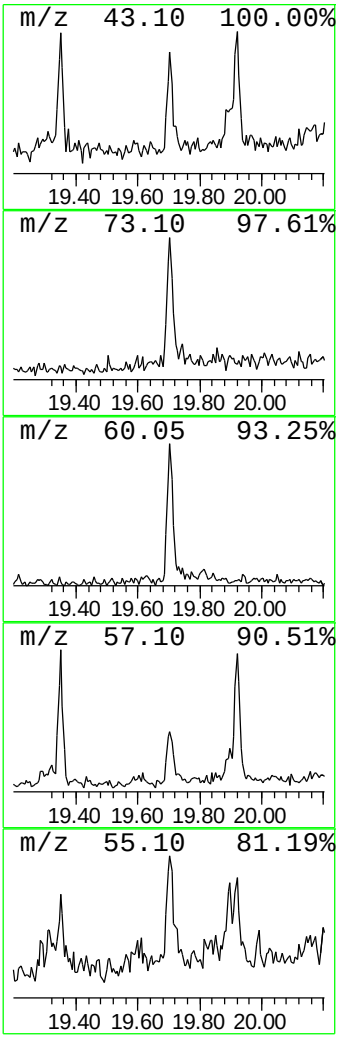
**********

Peak Number 14 Heptadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.70 | 3.21 ng/ul | 322309 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 93 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 3 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

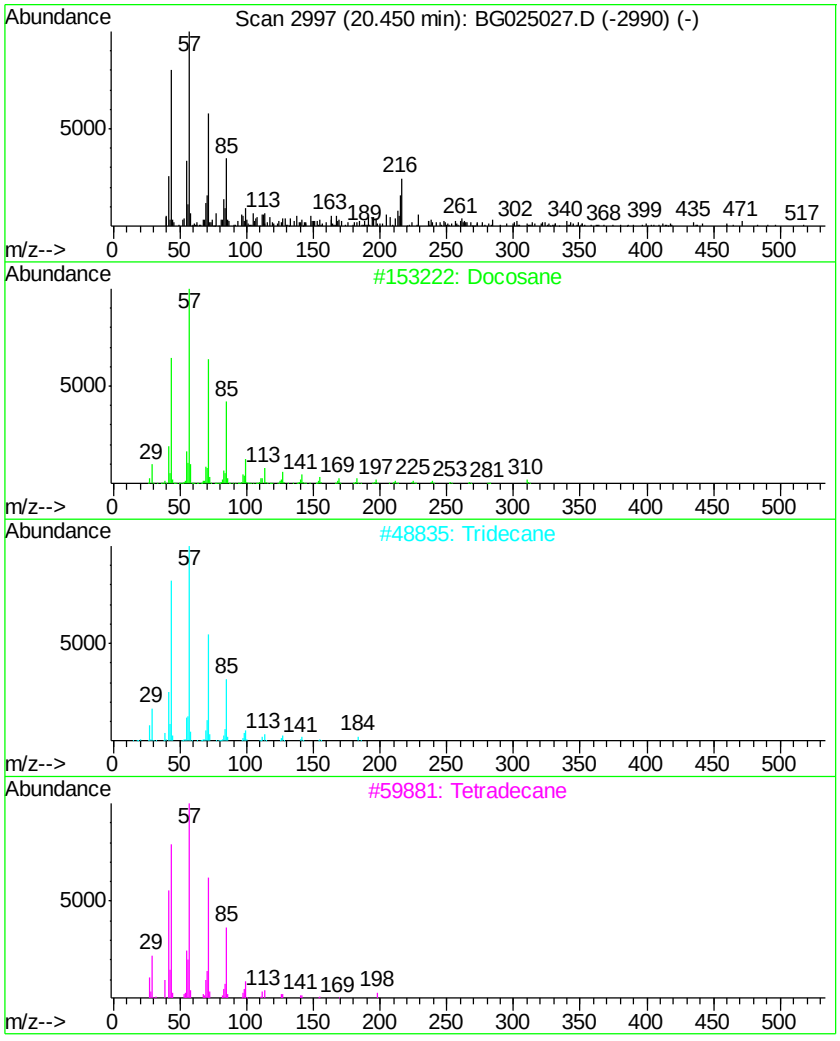
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

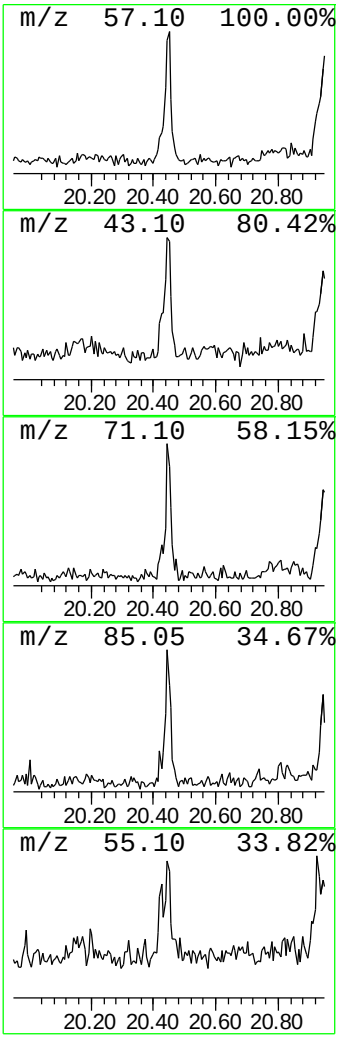
**********

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.45 | 3.28 ng/ul | 453040 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 90 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 60 |
| 4 | Tricosane | 324 | C23H48 | 000638-67-5 | 60 |
| 5 | Tricosane | 324 | C23H48 | 000638-67-5 | 60 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

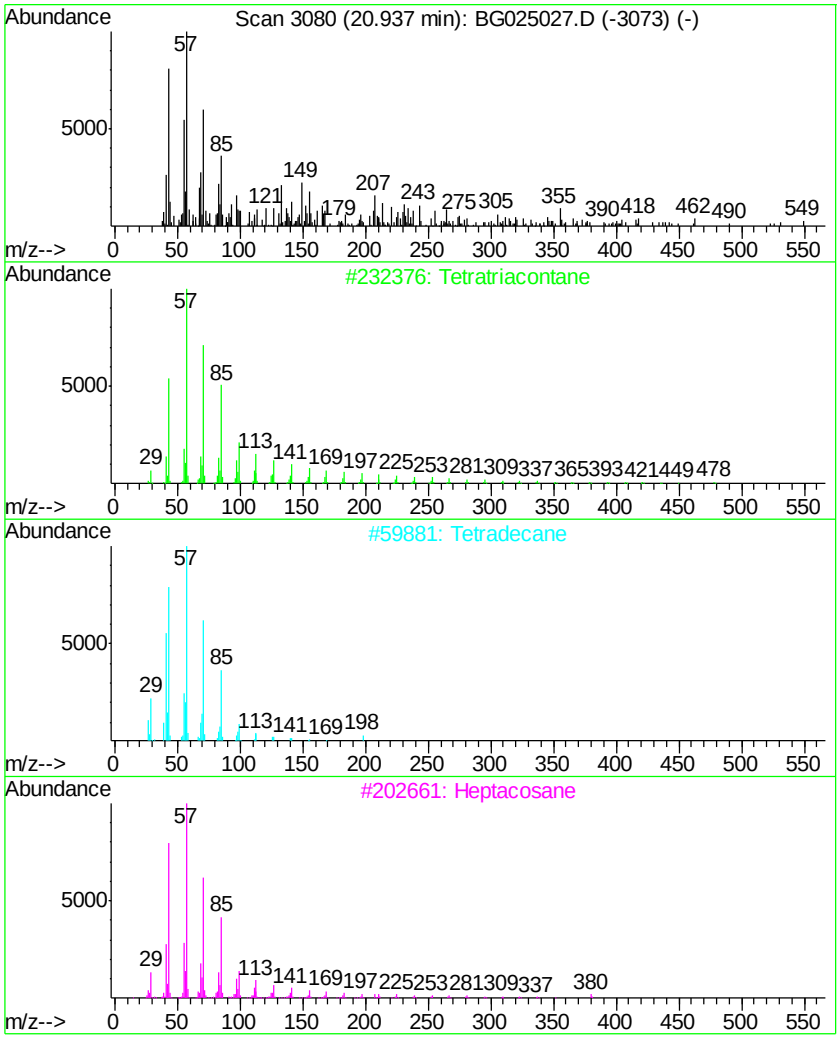
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

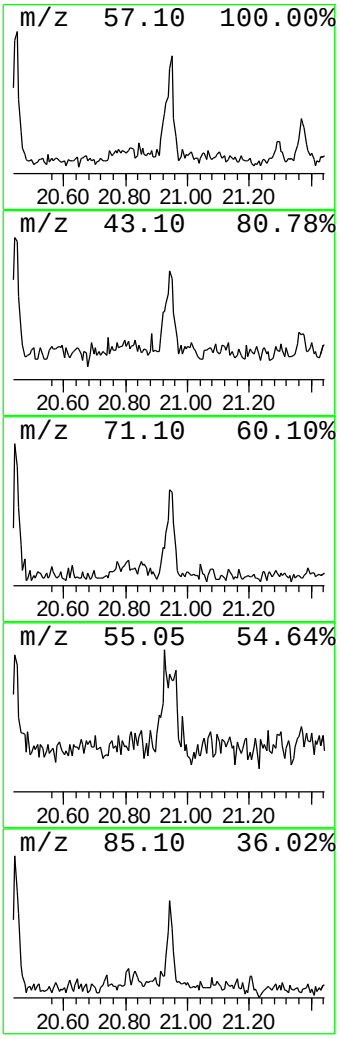
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.94 | 3.72 ng/ul | 513686 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 89 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 89 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 89 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 76 |
| 5 | Nonadecane, 1-chloro- | 302 | C19H39Cl | 062016-76-6 | 76 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

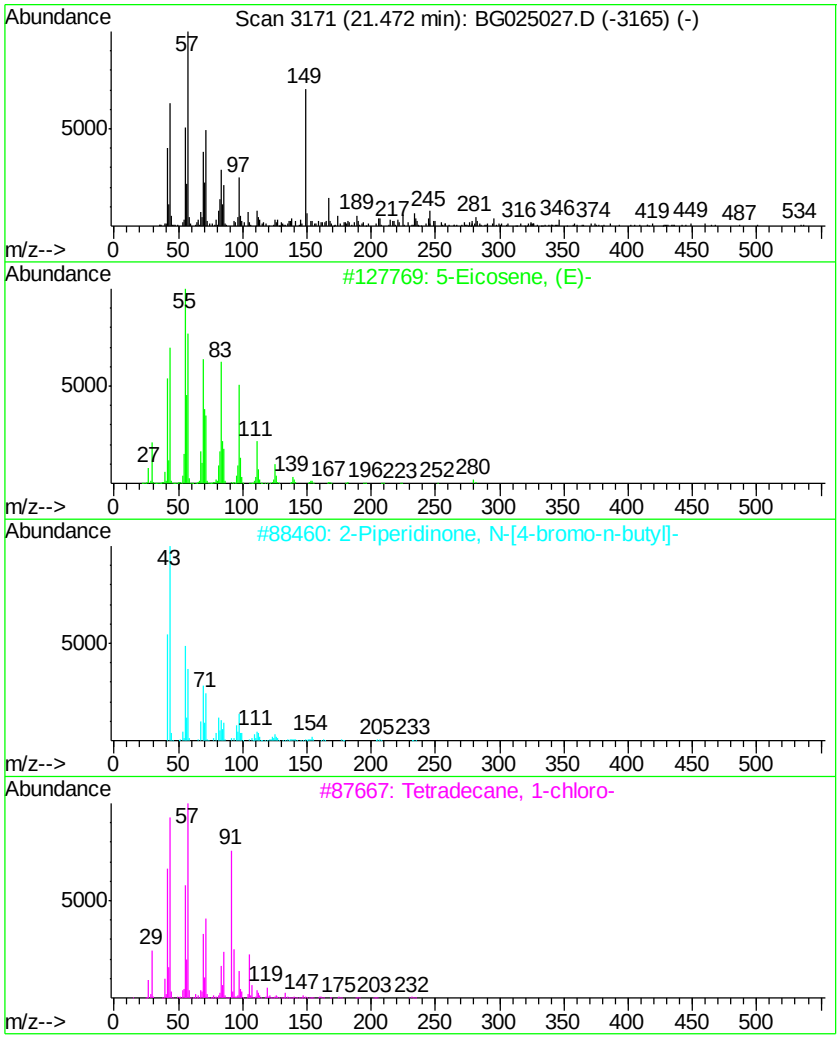
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

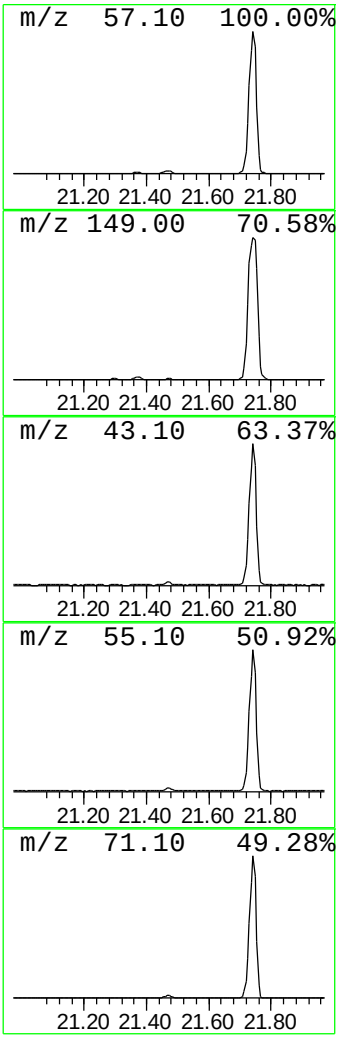
**********

Peak Number 17 5-Eicosene, (E)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.47 | 3.48 ng/ul | 481674 | Chrysene-d12 | 21.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 53 |
| 2 | 2-Piperidinone, N-[4-bromo-n-but... | 233 | C9H16BrNO | 195194-80-0 | 46 |
| 3 | Tetradecane, 1-chloro- | 232 | C14H29Cl | 002425-54-9 | 45 |
| 4 | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 43 |
| 5 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

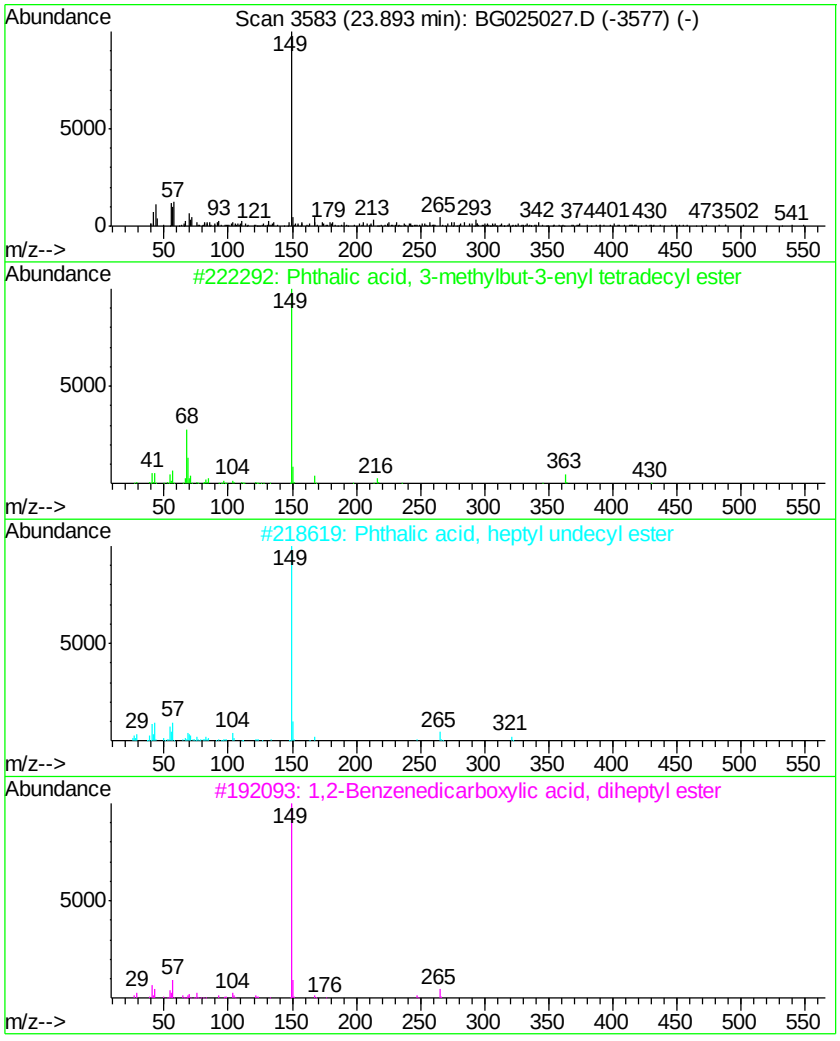
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

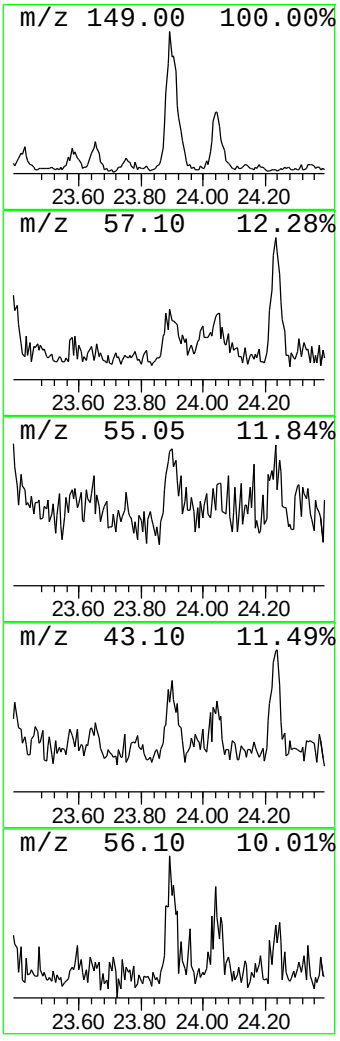
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Phthalic acid, 3-methylbut-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.89 | 2.71 ng/ul | 313771 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 3-methylbut-3-enyl... | 430 | C27H42O4 | 1000357-11-2 | 68 |
| 2 | Phthalic acid, heptyl undecyl ester | 418 | C26H42O4 | 1000308-94-0 | 64 |
| 3 | 1,2-Benzenedicarboxylic acid, di... | 362 | C22H34O4 | 003648-21-3 | 64 |
| 4 | 1,2-Benzenedicarboxylic acid, bu... | 362 | C22H34O4 | 000089-19-0 | 59 |
| 5 | Phthalic acid, dodecyl 6-methylh... | 446 | C28H46O4 | 1000377-96-6 | 59 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

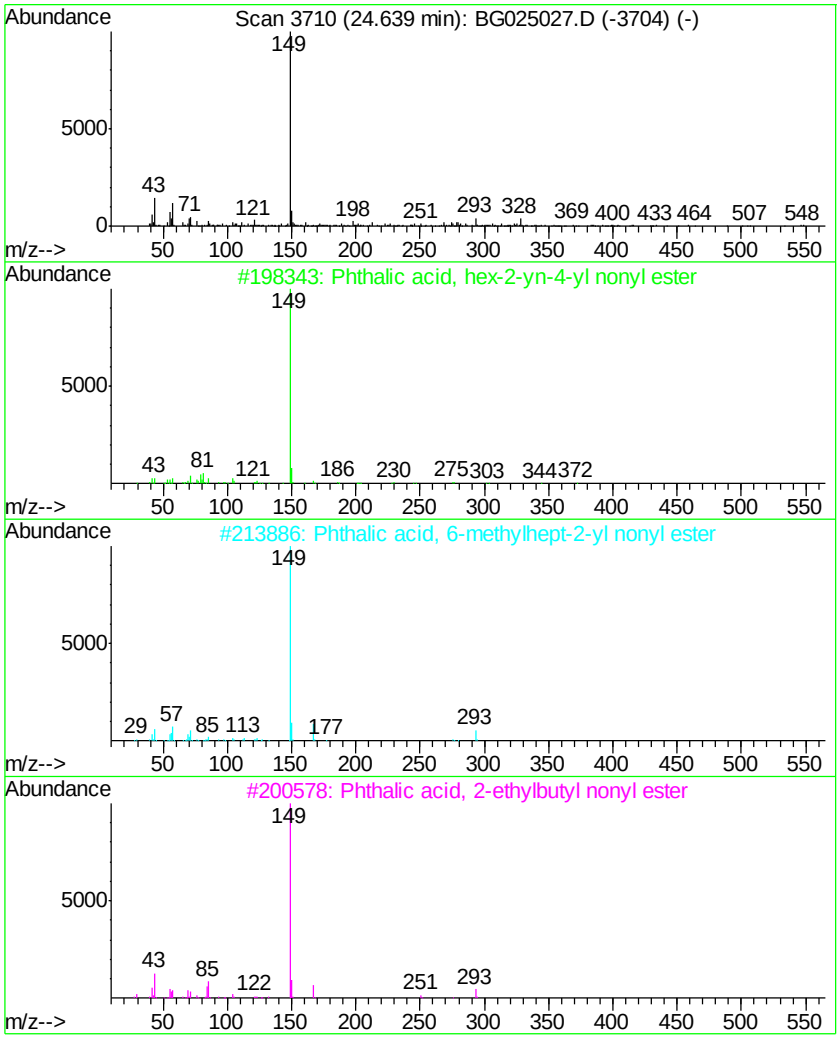
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

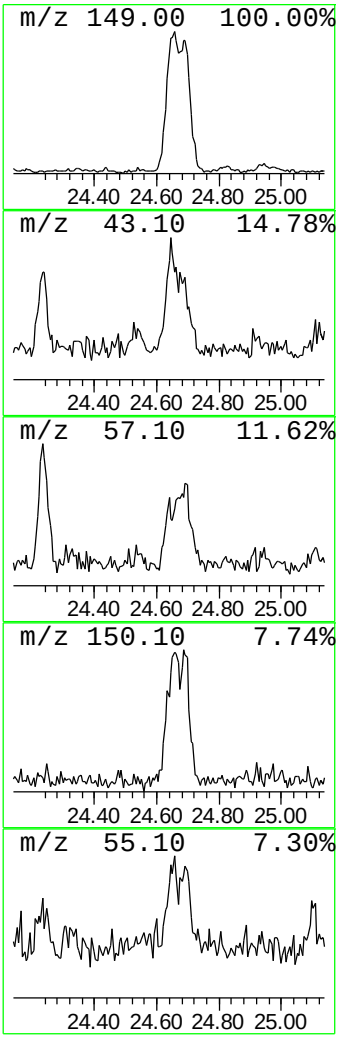
**********

Peak Number 19 Phthalic acid, hex-2-yn-4-y... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.64 | 4.84 ng/ul | 558796 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, hex-2-yn-4-yl non... | 372 | C23H32O4 | 1000315-19-5 | 76 |
| 2 | Phthalic acid, 6-methylhept-2-yl... | 404 | C25H40O4 | 1000377-96-3 | 72 |
| 3 | Phthalic acid, 2-ethylbutyl nony... | 376 | C23H36O4 | 1000356-89-4 | 72 |
| 4 | Di-n-octyl phthalate | 390 | C24H38O4 | 000117-84-0 | 68 |
| 5 | 1,2-Benzenedicarboxylic acid, bi... | 250 | C14H18O4 | 000605-45-8 | 68 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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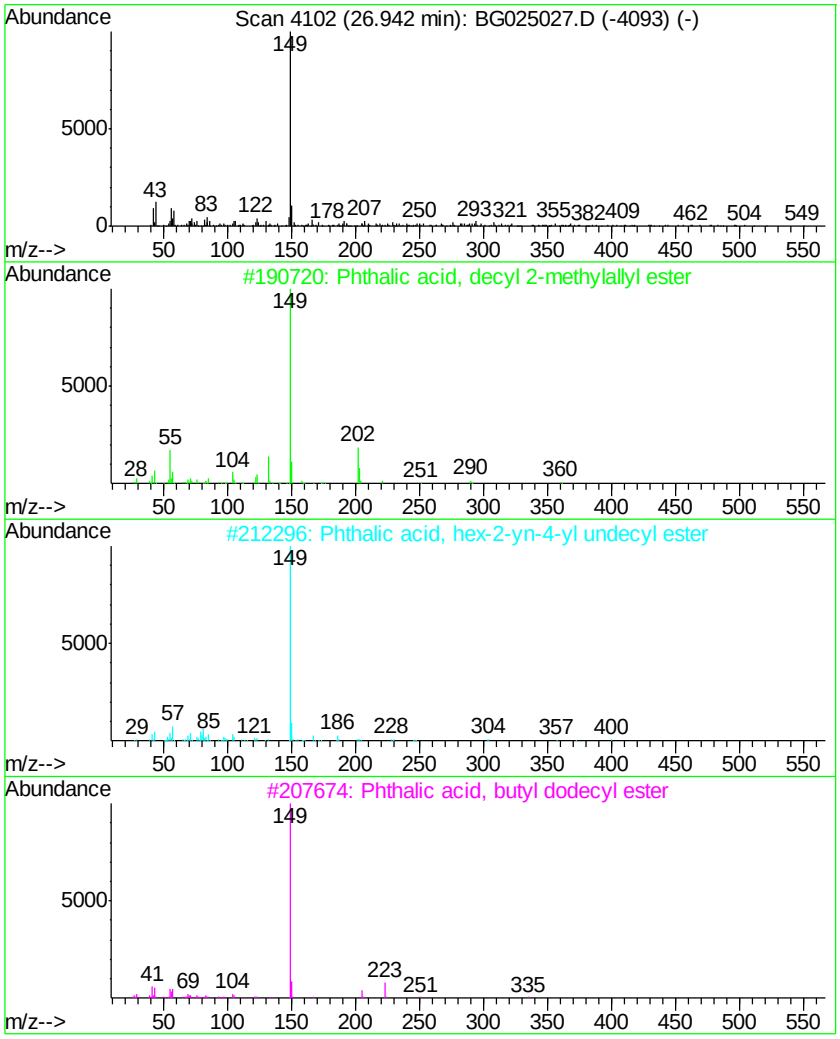
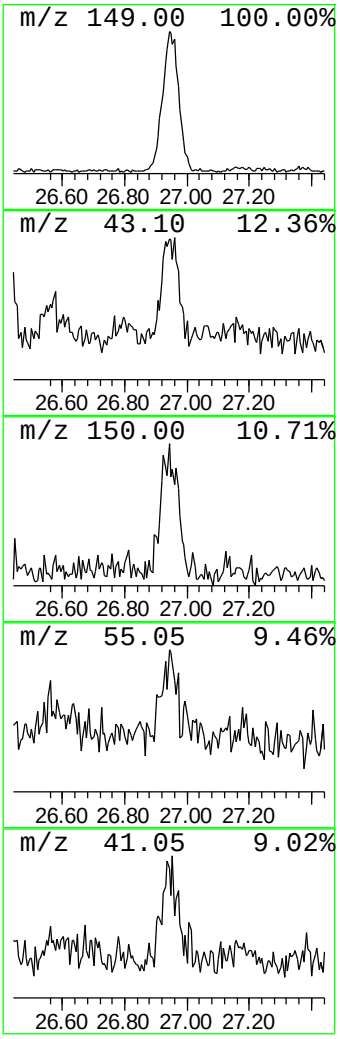
Peak Number 22 Phthalic acid, decyl 2-meth... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.94 | 6.27 ng/ul | 725198 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, decyl 2-methylallyl... | 360 | C22H32O4 | 1000315-83-0 | 81 |
| 2 | Phthalic acid, hex-2-yn-4-yl und... | 400 | C25H36O4 | 1000315-19-7 | 74 |
| 3 | Phthalic acid, butyl dodecyl ester | 390 | C24H38O4 | 1000308-93-9 | 72 |
| 4 | Phthalic acid, hexyl neopentyl e... | 320 | C19H28O4 | 1000315-29-9 | 72 |
| 5 | Phthalic acid, dodecyl nonyl ester | 460 | C29H48O4 | 1000308-92-6 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
Data File : BG025027.D
Acq On : 9 Dec 2016 4:29
Operator : UM/SJ
Sample : H5863-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA7Y5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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 |
| Bicyclo[4.2.0]oct... | 6.21 | 2.1 | ng/ul | 72715 | 1 | 8.25 | 706758 | 20.0 |
| unknown-01 | 8.38 | 2.1 | ng/ul | 76100 | 1 | 8.25 | 706758 | 20.0 |
| unknown-02 | 16.56 | 2.2 | ng/ul | 224825 | 4 | 17.61 | 2011040 | 20.0 |
| Methanol, (cycloh... | 16.65 | 3.1 | ng/ul | 316049 | 4 | 17.61 | 2011040 | 20.0 |
| unknown-03 | 16.71 | 4.4 | ng/ul | 438238 | 4 | 17.61 | 2011040 | 20.0 |
| 4,6-Bis(4-ethoxyb... | 16.77 | 2.8 | ng/ul | 279544 | 4 | 17.61 | 2011040 | 20.0 |
| Acetamide, N-(3-m... | 16.98 | 3.3 | ng/ul | 332385 | 4 | 17.61 | 2011040 | 20.0 |
| Phenol, 4-(1,1-di... | 17.04 | 3.0 | ng/ul | 300528 | 4 | 17.61 | 2011040 | 20.0 |
| Acetamide, N-(2-m... | 17.12 | 2.3 | ng/ul | 231339 | 4 | 17.61 | 2011040 | 20.0 |
| Tridecanoic acid | 18.45 | 5.3 | ng/ul | 537343 | 4 | 17.61 | 2011040 | 20.0 |
| Heptadecanoic acid | 19.70 | 3.2 | ng/ul | 322309 | 4 | 17.61 | 2011040 | 20.0 |
| (DEL) Alkane: Str... | 20.45 | 3.3 | ng/ul | 453040 | 5 | 21.90 | 2764710 | 20.0 |
| (DEL) Alkane: Str... | 20.94 | 3.7 | ng/ul | 513686 | 5 | 21.90 | 2764710 | 20.0 |
| 5-Eicosene, (E)- | 21.47 | 3.5 | ng/ul | 481674 | 5 | 21.90 | 2764710 | 20.0 |
| Phthalic acid, 3-... | 23.89 | 2.7 | ng/ul | 313771 | 6 | 25.31 | 2311400 | 20.0 |
| Phthalic acid, he... | 24.64 | 4.8 | ng/ul | 558796 | 6 | 25.31 | 2311400 | 20.0 |
| Phthalic acid, de... | 26.94 | 6.3 | ng/ul | 725198 | 6 | 25.31 | 2311400 | 20.0 |