LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

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\SOM-EPA-BG101417.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 | 3.547 | 39 | 44 | 56 | rVB | 21995 | 40740 | 1.23% | 0.088% |
| 2 | 4.081 | 130 | 135 | 141 | rVB6 | 6964 | 10415 | 0.32% | 0.023% |
| 3 | 4.163 | 144 | 149 | 154 | rBV7 | 3188 | 5482 | 0.17% | 0.012% |
| 4 | 4.316 | 171 | 175 | 180 | rVB5 | 4654 | 7619 | 0.23% | 0.017% |
| 5 | 4.540 | 206 | 213 | 217 | rVB4 | 4461 | 7697 | 0.23% | 0.017% |
| 6 | 5.245 | 327 | 333 | 341 | rVB4 | 9676 | 16136 | 0.49% | 0.035% |
| 7 | 5.327 | 341 | 347 | 354 | rBV5 | 2075 | 5373 | 0.16% | 0.012% |
| 8 | 6.367 | 515 | 524 | 530 | rBV7 | 3388 | 7512 | 0.23% | 0.016% |
| 9 | 7.142 | 651 | 656 | 667 | rBV7 | 2455 | 7175 | 0.22% | 0.016% |
| 10 | 7.319 | 678 | 686 | 700 | rBV2 | 403682 | 844165 | 25.58% | 1.834% |
| 11 | 7.477 | 704 | 713 | 723 | rVB | 318769 | 516188 | 15.64% | 1.121% |
| 12 | 7.571 | 725 | 729 | 737 | rVB6 | 2550 | 4905 | 0.15% | 0.011% |
| 13 | 7.695 | 740 | 750 | 759 | rBV | 397358 | 686798 | 20.81% | 1.492% |
| 14 | 8.159 | 821 | 829 | 837 | rBV | 273963 | 484155 | 14.67% | 1.052% |
| 15 | 8.218 | 837 | 839 | 846 | rVB6 | 3341 | 4974 | 0.15% | 0.011% |
| 16 | 8.864 | 938 | 949 | 959 | rBV | 536645 | 920851 | 27.91% | 2.000% |
| 17 | 9.322 | 1019 | 1027 | 1040 | rBV | 387525 | 703033 | 21.31% | 1.527% |
| 18 | 9.475 | 1050 | 1053 | 1061 | rVB7 | 2911 | 4563 | 0.14% | 0.010% |
| 19 | 9.728 | 1090 | 1096 | 1103 | rVB2 | 9473 | 15817 | 0.48% | 0.034% |
| 20 | 10.051 | 1140 | 1151 | 1162 | rBV | 359177 | 653254 | 19.80% | 1.419% |
| 21 | 10.591 | 1234 | 1243 | 1258 | rBV | 594441 | 1080182 | 32.74% | 2.346% |
| 22 | 10.973 | 1297 | 1308 | 1320 | rBV | 452496 | 821477 | 24.89% | 1.784% |
| 23 | 11.102 | 1322 | 1330 | 1345 | rBV | 447991 | 835328 | 25.31% | 1.814% |
| 24 | 12.272 | 1521 | 1529 | 1541 | rVB | 79111 | 137829 | 4.18% | 0.299% |
| 25 | 12.377 | 1541 | 1547 | 1551 | rVB7 | 2848 | 5701 | 0.17% | 0.012% |
| 26 | 12.436 | 1551 | 1557 | 1564 | rBV6 | 4875 | 9644 | 0.29% | 0.021% |
| 27 | 12.548 | 1568 | 1576 | 1583 | rVB | 10924 | 18401 | 0.56% | 0.040% |
| 28 | 12.847 | 1618 | 1627 | 1632 | rVB5 | 2404 | 4913 | 0.15% | 0.011% |
| 29 | 13.388 | 1711 | 1719 | 1722 | rVB6 | 3057 | 5393 | 0.16% | 0.012% |
| 30 | 13.588 | 1750 | 1753 | 1759 | rBV5 | 3647 | 4892 | 0.15% | 0.011% |
| 31 | 13.658 | 1759 | 1765 | 1771 | rVB6 | 5269 | 11561 | 0.35% | 0.025% |
| 32 | 14.175 | 1845 | 1853 | 1858 | rBV | 1113474 | 1633006 | 49.49% | 3.547% |
| 33 | 14.216 | 1858 | 1860 | 1869 | rVB | 87487 | 111287 | 3.37% | 0.242% |
| 34 | 14.404 | 1887 | 1892 | 1896 | rBV5 | 3006 | 7038 | 0.21% | 0.015% |

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Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

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\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.475 | 1896 | 1904 | 1914 | rVB | 1293683 | 2033208 | 61.62% | 4.416% |
| 36 | 14.651 | 1930 | 1934 | 1939 | rBV4 | 5632 | 10035 | 0.30% | 0.022% |
| 37 | 14.775 | 1945 | 1955 | 1964 | rBV2 | 757731 | 1257518 | 38.11% | 2.732% |
| 38 | 14.963 | 1980 | 1987 | 2003 | rBV | 394279 | 684741 | 20.75% | 1.487% |
| 39 | 15.074 | 2003 | 2006 | 2009 | rVV5 | 2654 | 4611 | 0.14% | 0.010% |
| 40 | 15.115 | 2009 | 2013 | 2017 | rVB6 | 7017 | 11429 | 0.35% | 0.025% |
| 41 | 15.180 | 2019 | 2024 | 2029 | rBV3 | 23472 | 33671 | 1.02% | 0.073% |
| 42 | 15.262 | 2033 | 2038 | 2042 | rVB6 | 4281 | 6946 | 0.21% | 0.015% |
| 43 | 15.333 | 2047 | 2050 | 2052 | rBV3 | 3708 | 4604 | 0.14% | 0.010% |
| 44 | 15.409 | 2056 | 2063 | 2071 | rBV10 | 5223 | 15506 | 0.47% | 0.034% |
| 45 | 15.556 | 2083 | 2088 | 2089 | rVB5 | 3958 | 4667 | 0.14% | 0.010% |
| 46 | 15.597 | 2092 | 2095 | 2100 | rVB6 | 6707 | 7907 | 0.24% | 0.017% |
| 47 | 15.768 | 2112 | 2124 | 2135 | rBV | 1610223 | 2545904 | 77.15% | 5.530% |
| 48 | 15.879 | 2135 | 2143 | 2153 | rBV | 457423 | 704778 | 21.36% | 1.531% |
| 49 | 16.003 | 2159 | 2164 | 2168 | rVB4 | 22787 | 36851 | 1.12% | 0.080% |
| 50 | 16.120 | 2176 | 2184 | 2196 | rBV | 522561 | 769742 | 23.33% | 1.672% |
| 51 | 16.461 | 2237 | 2242 | 2244 | rBV6 | 6624 | 8664 | 0.26% | 0.019% |
| 52 | 16.543 | 2251 | 2256 | 2260 | rVB8 | 7048 | 11664 | 0.35% | 0.025% |
| 53 | 16.649 | 2269 | 2274 | 2281 | rVB10 | 8361 | 18858 | 0.57% | 0.041% |
| 54 | 16.907 | 2315 | 2318 | 2321 | rBV5 | 5790 | 6920 | 0.21% | 0.015% |
| 55 | 16.978 | 2327 | 2330 | 2336 | rVB8 | 6767 | 9896 | 0.30% | 0.021% |
| 56 | 17.043 | 2336 | 2341 | 2346 | rVB2 | 19133 | 27767 | 0.84% | 0.060% |
| 57 | 17.242 | 2373 | 2375 | 2383 | rVB9 | 7080 | 13566 | 0.41% | 0.029% |
| 58 | 17.395 | 2395 | 2401 | 2408 | rBV9 | 7343 | 10930 | 0.33% | 0.024% |
| 59 | 17.518 | 2408 | 2422 | 2432 | rBV | 953287 | 1588967 | 48.15% | 3.452% |
| 60 | 17.612 | 2432 | 2438 | 2452 | rVV | 1584376 | 2492120 | 75.52% | 5.413% |
| 61 | 17.718 | 2453 | 2456 | 2458 | rVB4 | 6326 | 5754 | 0.17% | 0.012% |
| 62 | 17.877 | 2475 | 2483 | 2486 | rBV9 | 17734 | 44100 | 1.34% | 0.096% |
| 63 | 17.959 | 2487 | 2497 | 2505 | rVB9 | 22715 | 102914 | 3.12% | 0.224% |
| 64 | 18.082 | 2507 | 2518 | 2529 | rVB9 | 27757 | 112124 | 3.40% | 0.244% |
| 65 | 18.241 | 2541 | 2545 | 2562 | rVB9 | 31655 | 121670 | 3.69% | 0.264% |
| 66 | 18.382 | 2564 | 2569 | 2576 | rBV4 | 107277 | 160499 | 4.86% | 0.349% |
| 67 | 18.758 | 2613 | 2633 | 2635 | rBV7 | 82672 | 322260 | 9.77% | 0.700% |
| 68 | 18.923 | 2659 | 2661 | 2674 | rVB7 | 45760 | 91122 | 2.76% | 0.198% |
| 69 | 19.117 | 2690 | 2694 | 2697 | rBV6 | 16289 | 22507 | 0.68% | 0.049% |
| 70 | 19.299 | 2721 | 2725 | 2729 | rBV7 | 9700 | 14660 | 0.44% | 0.032% |
| 71 | 19.557 | 2743 | 2769 | 2773 | rBV2 | 235754 | 987750 | 29.93% | 2.146% |

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Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

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\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.645 | 2773 | 2784 | 2802 | rVB5 | 278872 | 1267805 | 38.42% | 2.754% |
| 73 | 19.780 | 2804 | 2807 | 2816 | rVB3 | 34216 | 65608 | 1.99% | 0.143% |
| 74 | 19.892 | 2818 | 2826 | 2837 | rVB | 2095173 | 3229926 | 97.88% | 7.016% |
| 75 | 20.063 | 2851 | 2855 | 2864 | rBV10 | 13085 | 31600 | 0.96% | 0.069% |
| 76 | 20.362 | 2902 | 2906 | 2910 | rBV6 | 24792 | 44650 | 1.35% | 0.097% |
| 77 | 20.403 | 2910 | 2913 | 2918 | rVV6 | 16397 | 28075 | 0.85% | 0.061% |
| 78 | 20.509 | 2926 | 2931 | 2938 | rBV9 | 49948 | 151499 | 4.59% | 0.329% |
| 79 | 20.627 | 2946 | 2951 | 2960 | rBV6 | 38807 | 115768 | 3.51% | 0.251% |
| 80 | 21.326 | 3066 | 3070 | 3073 | rBV6 | 19118 | 33599 | 1.02% | 0.073% |
| 81 | 21.402 | 3079 | 3083 | 3097 | rVB2 | 226716 | 392900 | 11.91% | 0.853% |
| 82 | 21.655 | 3120 | 3126 | 3129 | rBV | 275329 | 415129 | 12.58% | 0.902% |
| 83 | 21.684 | 3129 | 3131 | 3137 | rVB | 197772 | 228715 | 6.93% | 0.497% |
| 84 | 21.790 | 3140 | 3149 | 3155 | rBV2 | 1011706 | 1859837 | 56.36% | 4.040% |
| 85 | 22.272 | 3210 | 3231 | 3256 | rBV2 | 211033 | 1350744 | 40.93% | 2.934% |
| 86 | 22.601 | 3282 | 3287 | 3295 | rBV7 | 28194 | 69205 | 2.10% | 0.150% |
| 87 | 22.806 | 3300 | 3322 | 3333 | rBV7 | 454131 | 3136187 | 95.04% | 6.812% |
| 88 | 22.894 | 3333 | 3337 | 3341 | rVB | 388542 | 694524 | 21.05% | 1.509% |
| 89 | 22.936 | 3342 | 3344 | 3355 | rVB | 243146 | 361297 | 10.95% | 0.785% |
| 90 | 23.300 | 3402 | 3406 | 3414 | rVB9 | 32028 | 63941 | 1.94% | 0.139% |
| 91 | 23.635 | 3460 | 3463 | 3479 | rVB5 | 39734 | 98162 | 2.97% | 0.213% |
| 92 | 24.046 | 3527 | 3533 | 3539 | rBV | 39748 | 104377 | 3.16% | 0.227% |
| 93 | 24.122 | 3541 | 3546 | 3553 | rVB5 | 57148 | 120363 | 3.65% | 0.261% |
| 94 | 24.516 | 3604 | 3613 | 3623 | rVB | 704697 | 1605253 | 48.65% | 3.487% |
| 95 | 24.880 | 3664 | 3675 | 3694 | rVB2 | 1100113 | 3299771 | 100.00% | 7.168% |
| 96 | 25.104 | 3701 | 3713 | 3724 | rBV2 | 642565 | 1923513 | 58.29% | 4.178% |
| 97 | 26.279 | 3905 | 3913 | 3922 | rVB3 | 71326 | 201926 | 6.12% | 0.439% |
| 98 | 26.737 | 3981 | 3991 | 4007 | rVB | 288448 | 910609 | 27.60% | 1.978% |
| 99 | 27.683 | 4143 | 4152 | 4161 | rVB5 | 39471 | 126369 | 3.83% | 0.274% |
| 100 | 29.369 | 4435 | 4439 | 4460 | rVB10 | 40322 | 165214 | 5.01% | 0.359% |

Sum of corrected areas: 46036900

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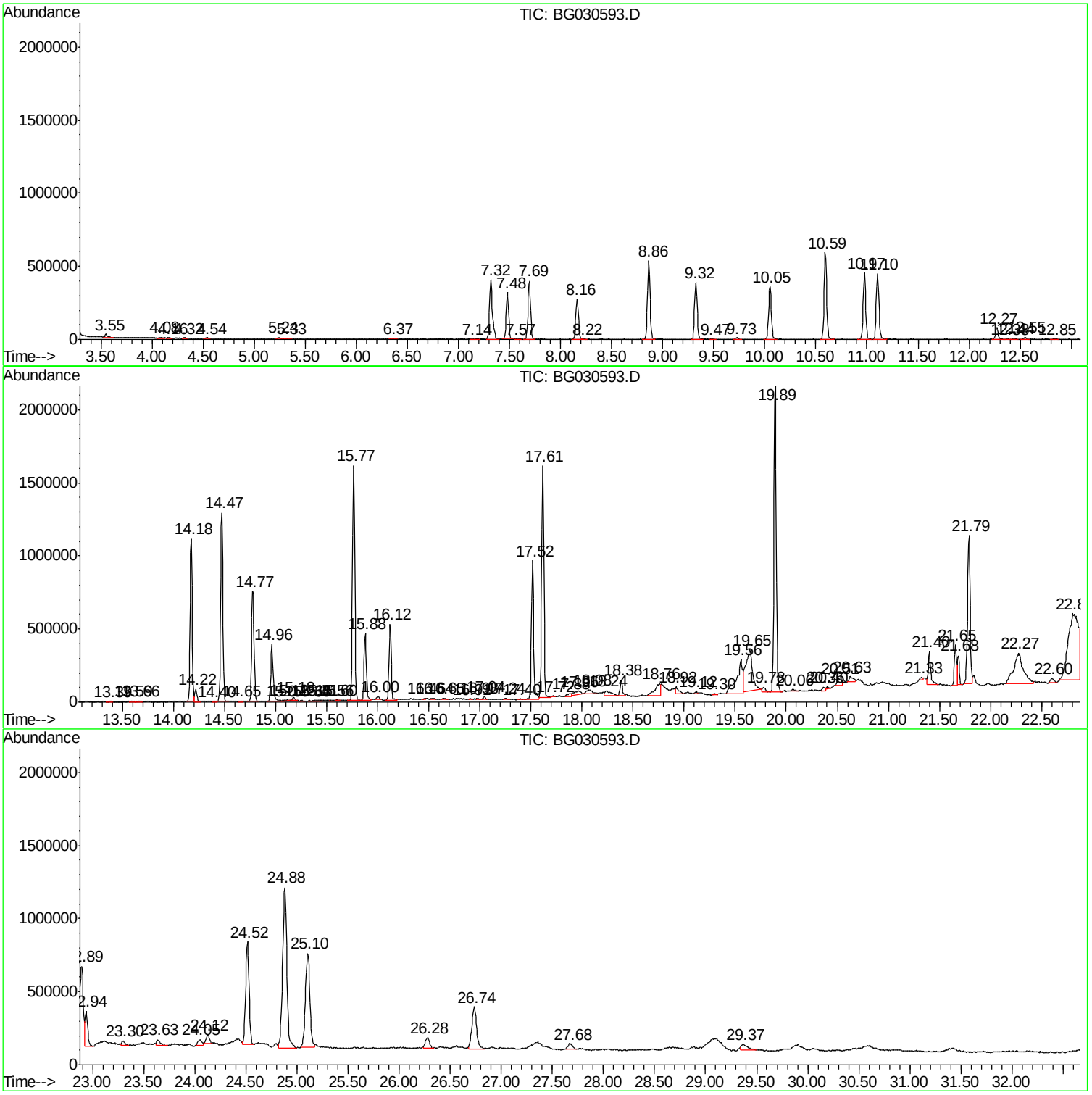
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.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\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

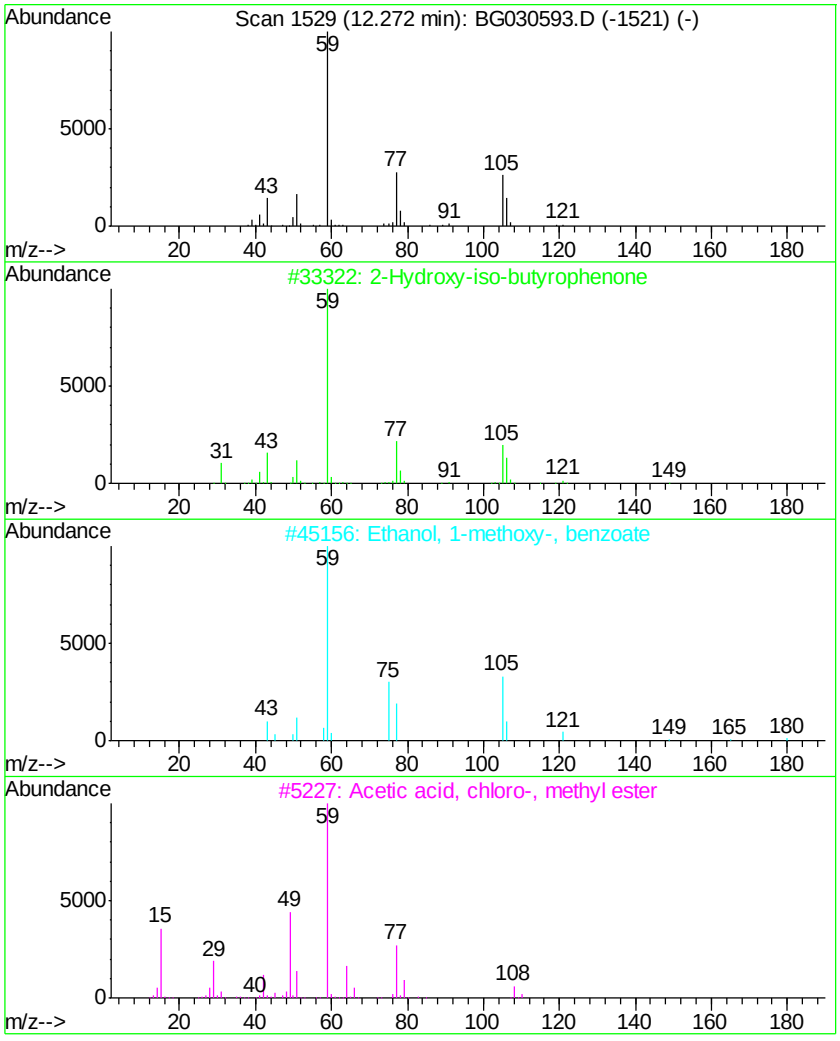
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

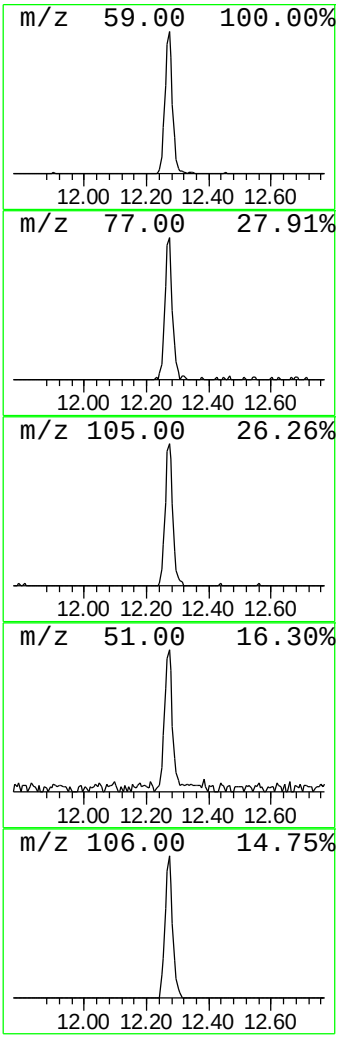
**********

Peak Number 1 2-Hydroxy-iso-butyrophenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.27 | 3.36 ng/ul | 137829 | Naphthalene-d8 | 10.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxy-iso-butyrophenone | 164 | C10H12O2 | 007473-98-5 | 90 |
| 2 | Ethanol, 1-methoxy-, benzoate | 180 | C10H12O3 | 051835-44-0 | 56 |
| 3 | Acetic acid, chloro-, methyl ester | 108 | C3H5ClO2 | 000096-34-4 | 9 |
| 4 | Propionic acid, 2-isopropoxy-, m... | 146 | C7H14O3 | 1000151-15-1 | 9 |
| 5 | Guanidine | 59 | CH5N3 | 000113-00-8 | 7 |



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**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

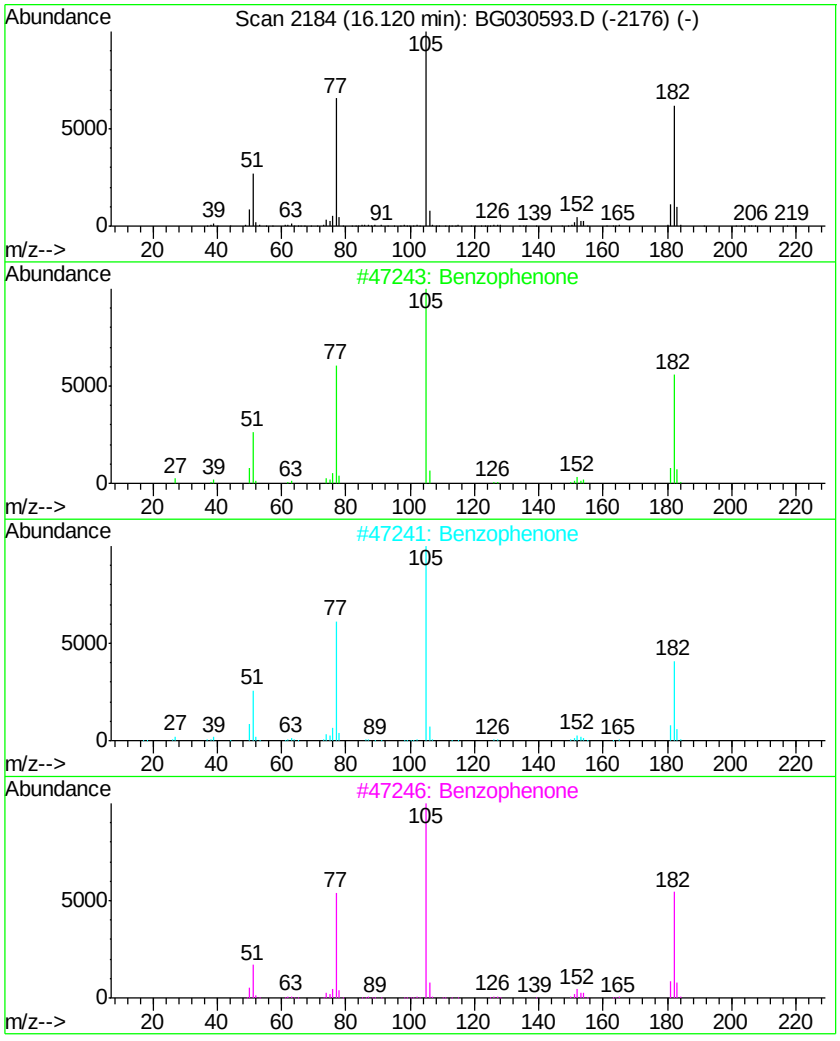
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

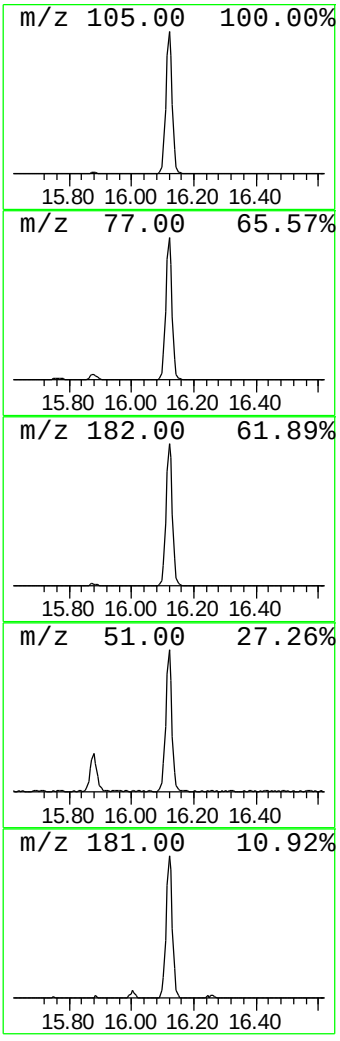
**********

Peak Number 2 Benzophenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.12 | 12.24 ng/ul | 769742 | Acenaphthene-d10 | 14.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 3 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 4 | Benzophenone | 182 | C13H10O | 000119-61-9 | 94 |
| 5 | Benzophenone | 182 | C13H10O | 000119-61-9 | 90 |



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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

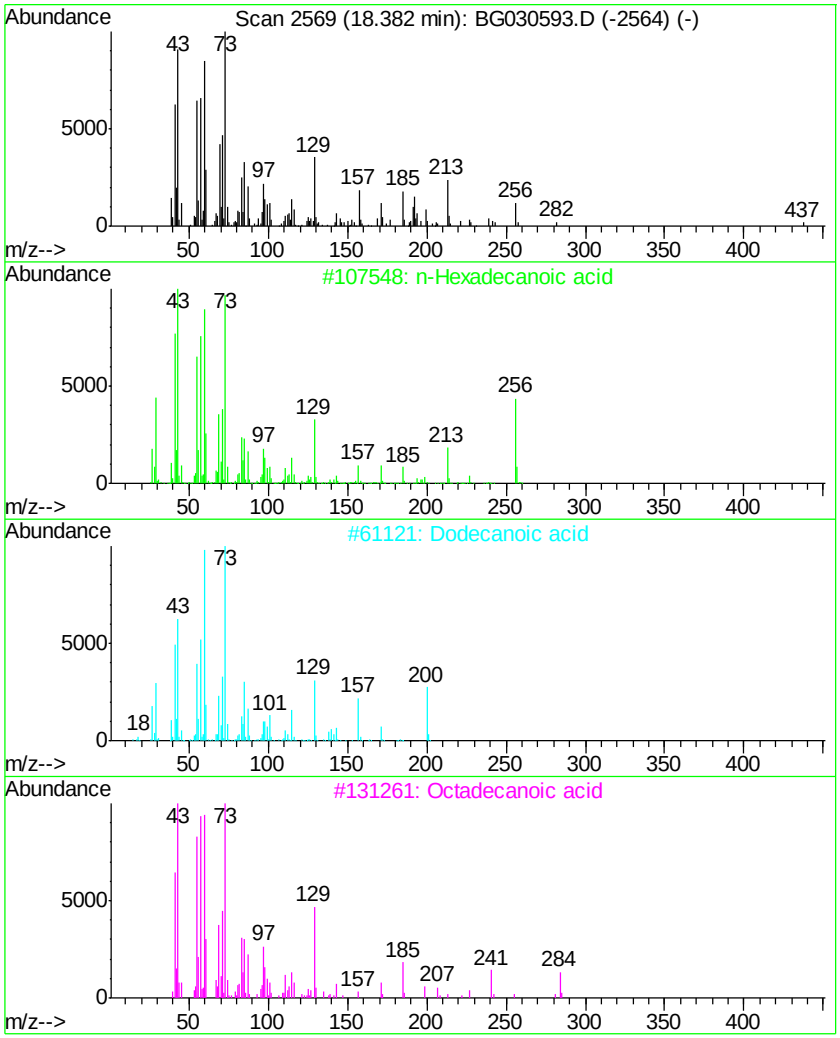
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

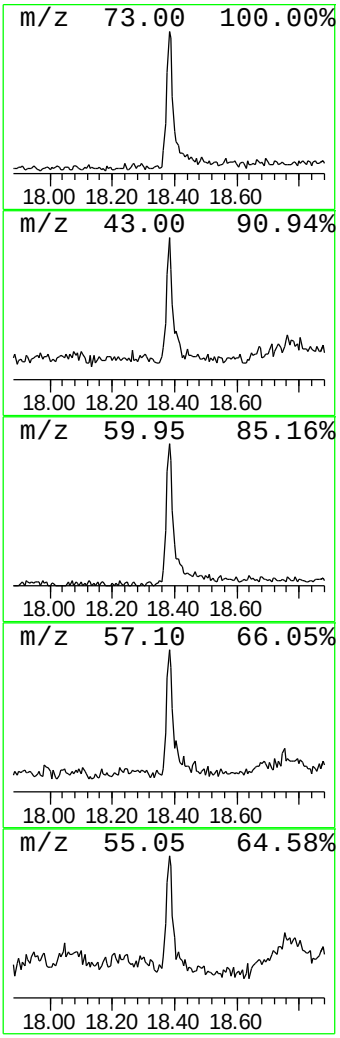
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 2.02 ng/ul | 160499 | Phenanthrene-d10 | 17.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 81 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 80 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 76 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |



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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

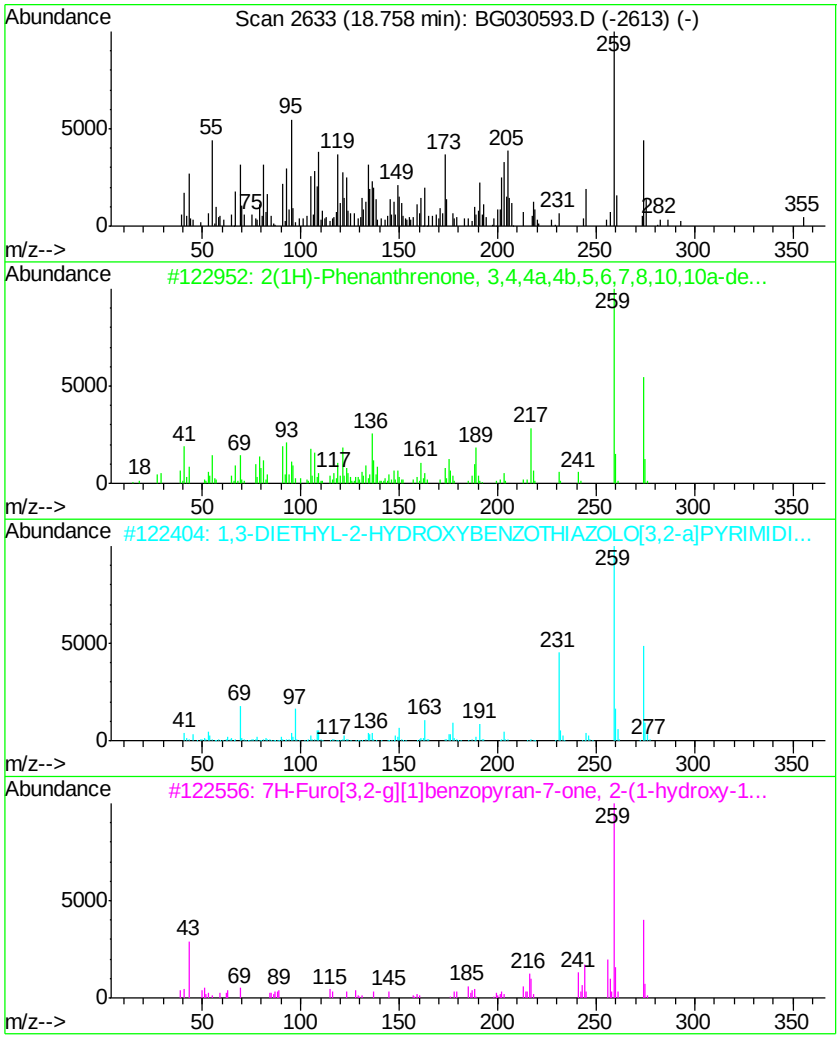
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

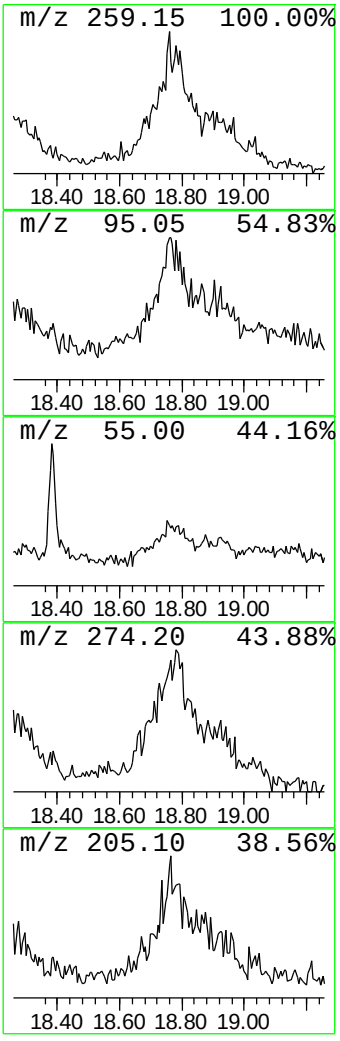
**********

Peak Number 4 2(1H)-Phenanthrenone, 3,4,4... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.76 | 4.06 ng/ul | 322260 | Phenanthrene-d10 | 17.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)-Phenanthrenone, 3,4,4a,4b,... | 274 | C19H30O | 007715-44-8 | 50 |
| 2 | 1,3-DIETHYL-2-HYDROXYBENZOTHIAZO... | 274 | C14H14N2O2S | 1000227-15-3 | 38 |
| 3 | 7H-Furo[3,2-g][1]benzopyran-7-on... | 274 | C15H14O5 | 054087-32-0 | 35 |
| 4 | 10H-Phenoxaphosphine, 2-ethyl-10... | 274 | C15H15O3P | 036360-91-5 | 35 |
| 5 | 1-(4-Undecylphenyl)ethanone | 274 | C19H30O | 1000185-92-4 | 30 |



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**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

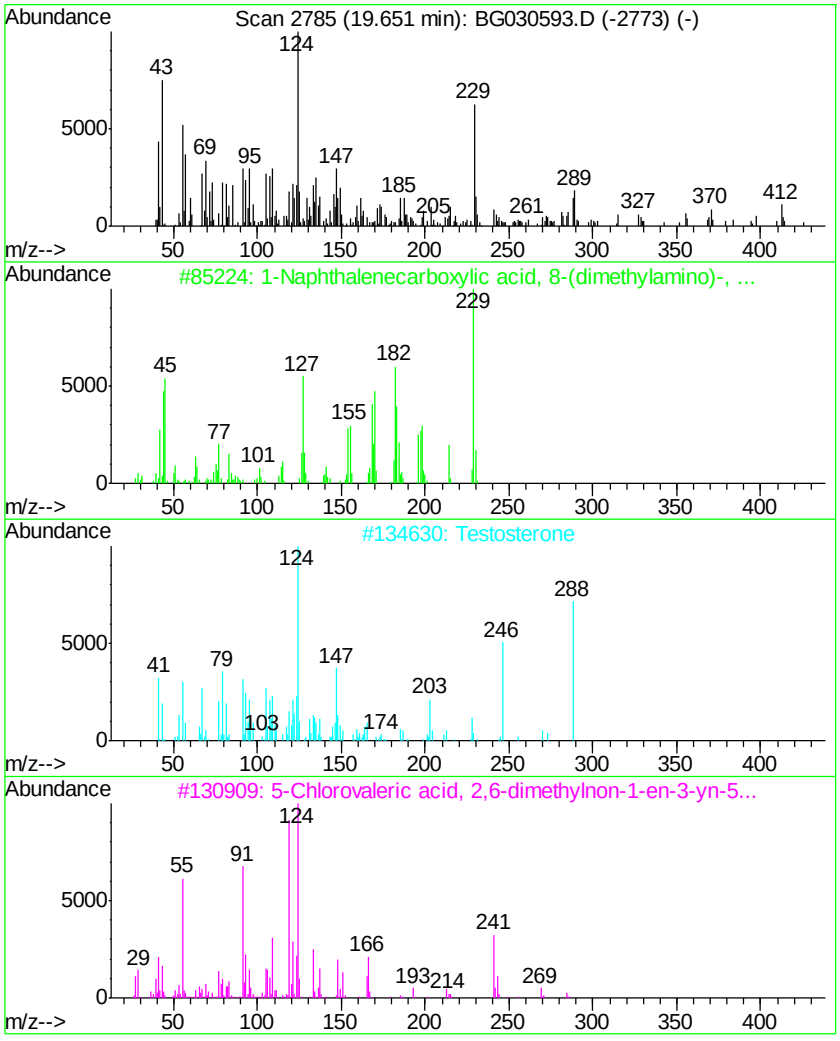
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

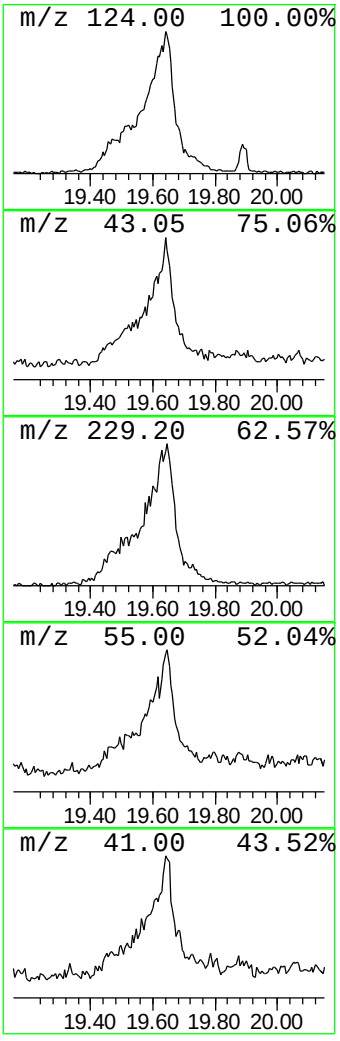
**********

Peak Number 5 1-Naphthalenecarboxylic aci... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.65 | 15.96 ng/ul | 1267810 | Phenanthrene-d10 | 17.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenecarboxylic acid, 8-... | 229 | C14H15NO2 | 069674-55-1 | 59 |
| 2 | Testosterone | 288 | C19H28O2 | 000058-22-0 | 38 |
| 3 | 5-Chlorovaleric acid, 2,6-dimeth... | 284 | C16H25ClO2 | 1000292-48-0 | 30 |
| 4 | Androst-4-en-3-one, 17-hydroxy-,... | 288 | C19H28O2 | 000604-39-7 | 30 |
| 5 | 1-Piperazinepropanenitrile, .bet... | 229 | C13H15N3O | 014761-40-1 | 25 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

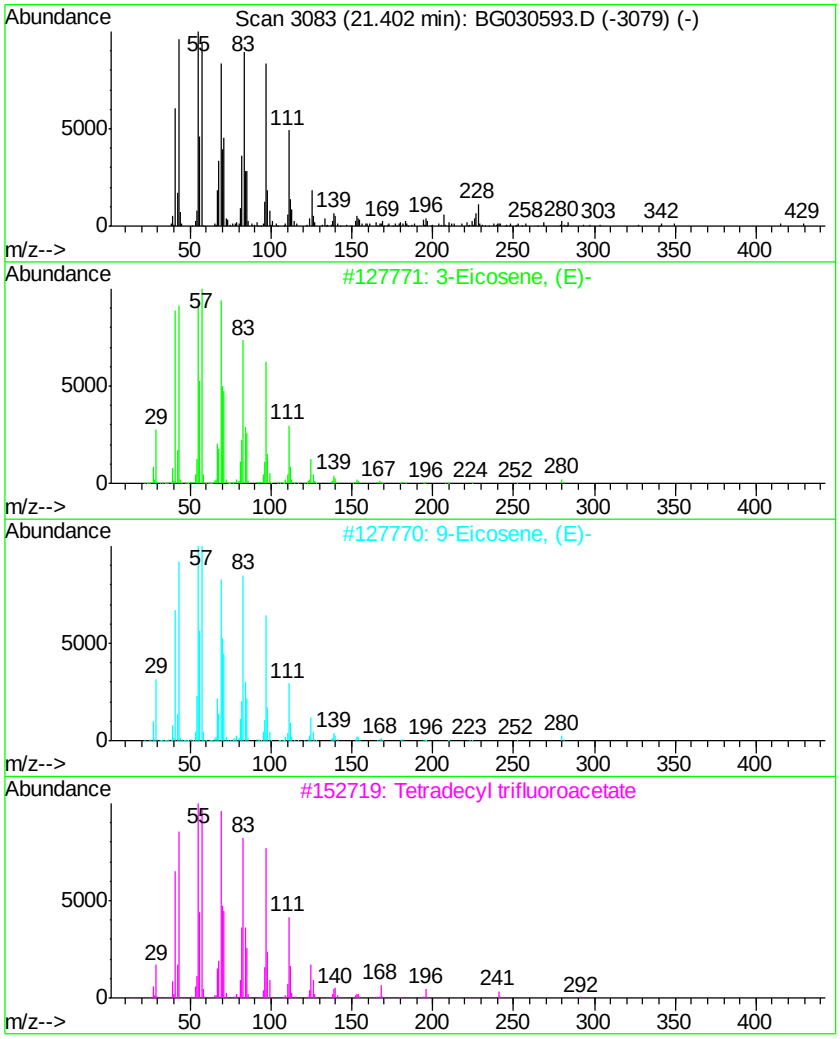
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

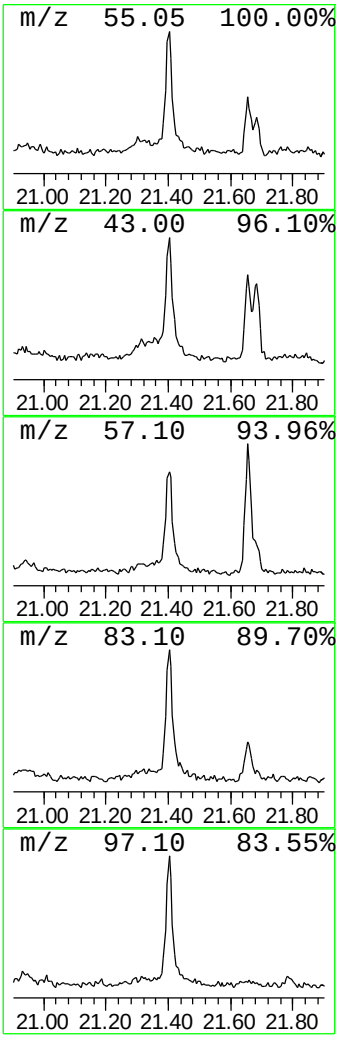
**********

Peak Number 6 (DEL) Alkane: Cyclic21.40 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.40 | 4.23 ng/ul | 392900 | Chrysene-d12 | 21.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 98 |
| 2 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 94 |
| 3 | Tetradecyl trifluoroacetate | 310 | C16H29F3O2 | 006222-02-2 | 94 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 94 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

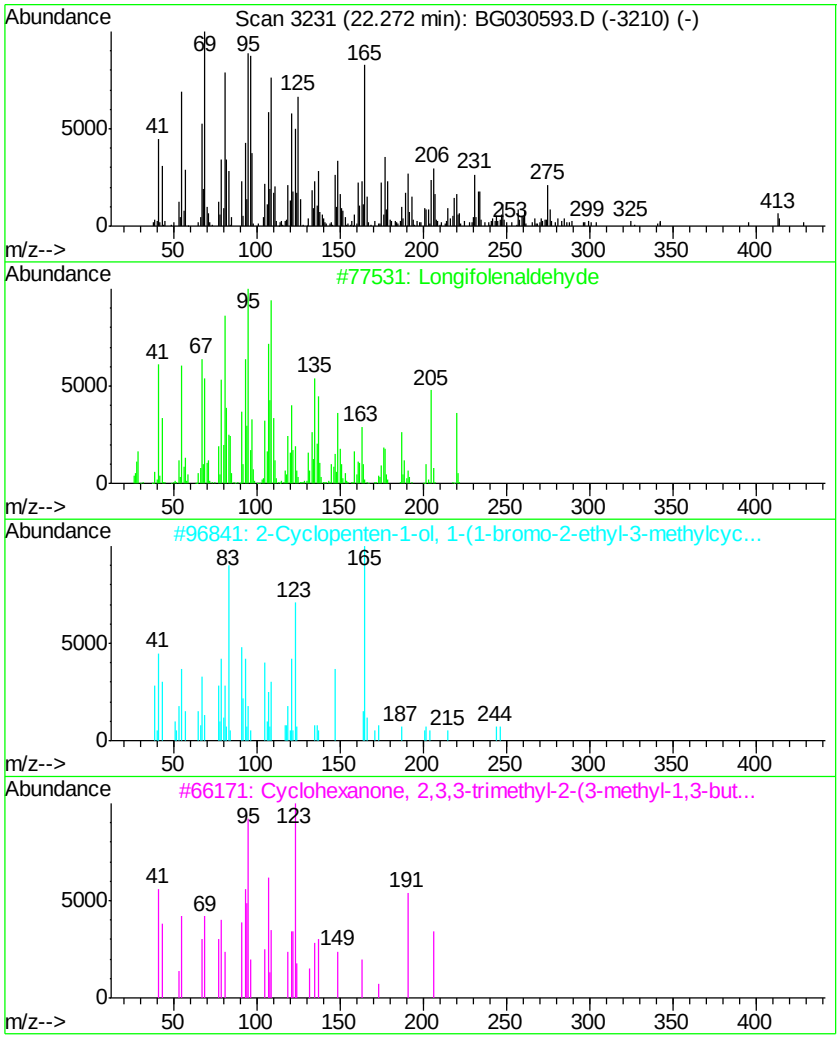
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

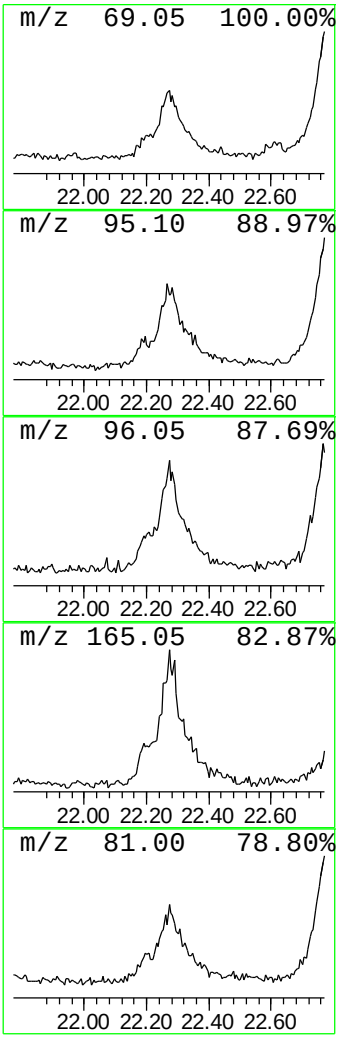
**********

Peak Number 7 unknown-01 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.27 | 14.53 ng/ul | 1350740 | Chrysene-d12 | 21.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Longifolenaldehyde | 220 | C15H24O | 019890-84-7 | 45 |
| 2 | 2-Cyclopenten-1-ol, 1-(1-bromo-2... | 244 | C11H17BrO | 079209-32-8 | 45 |
| 3 | Cyclohexanone, 2,3,3-trimethyl-2... | 206 | C14H22O | 069296-90-8 | 35 |
| 4 | 2-Pyrimidinamine, 4,6-dimethyl- | 123 | C6H9N3 | 000767-15-7 | 30 |
| 5 | 1,1,6-trimethyl-3-methylene-2-(3... | 442 | C32H58 | 1000373-94-0 | 30 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

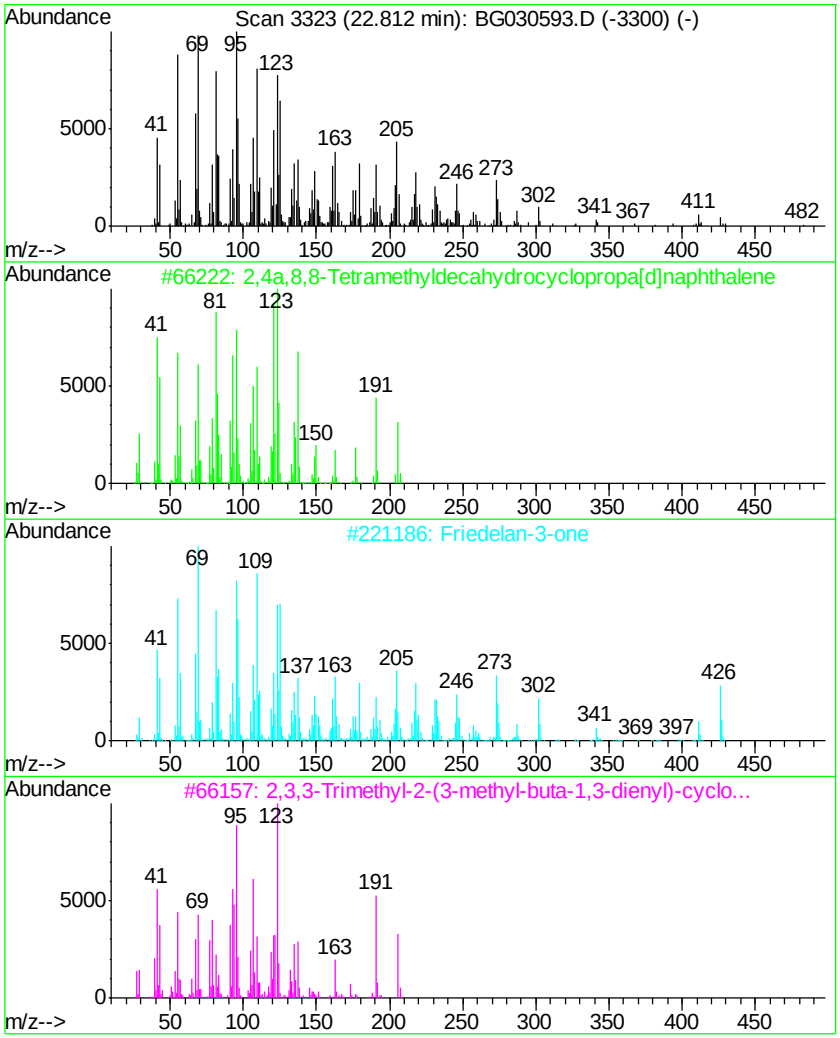
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

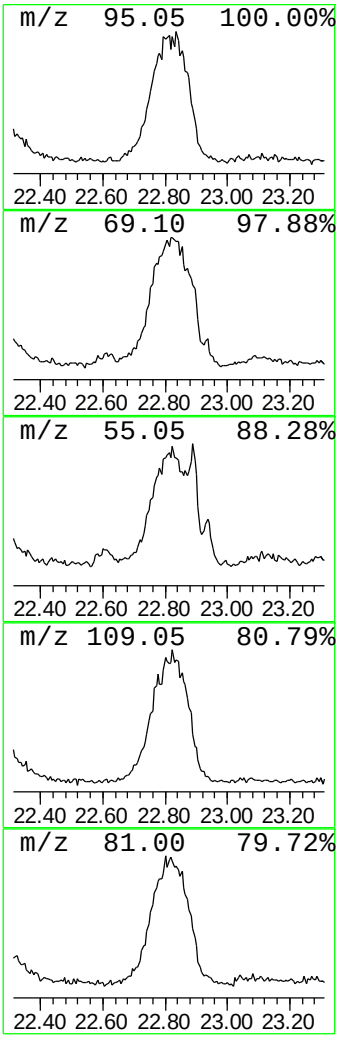
**********

Peak Number 8 2,4a,8,8-Tetramethyldecahyd... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.81 | 33.73 ng/ul | 3136190 | Chrysene-d12 | 21.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4a,8,8-Tetramethyldecahydrocyc... | 206 | C15H26 | 074022-04-1 | 92 |
| 2 | Friedelan-3-one | 426 | C30H50O | 000559-74-0 | 83 |
| 3 | 2,3,3-Trimethyl-2-(3-methyl-buta... | 206 | C14H22O | 1000193-60-6 | 64 |
| 4 | 5-Bromo-4-oxo-4,5,6,7-tetrahydro... | 216 | C6H5BrN2O2 | 300574-36-1 | 59 |
| 5 | 3-Cyclopentylpropionic acid, but... | 194 | C12H18O2 | 1000292-46-4 | 55 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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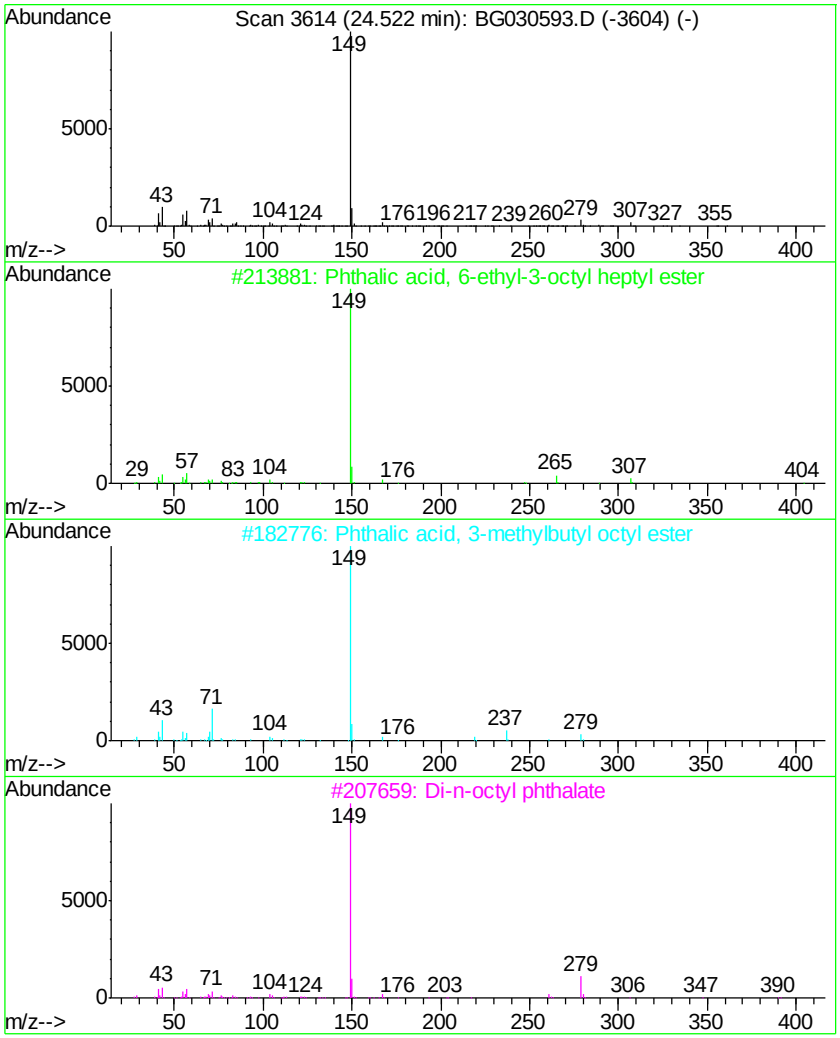
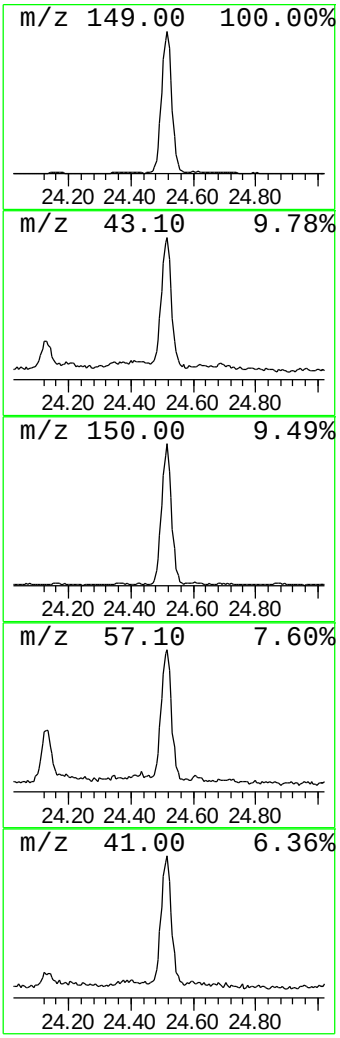
Peak Number 9 Phthalic acid, 6-ethyl-3-oc... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.52 | 16.69 ng/ul | 1605250 | Perylene-d12 | 25.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 6-ethyl-3-octyl h... | 404 | C25H40O4 | 1000315-17-7 | 78 |
| 2 | Phthalic acid, 3-methylbutyl oct... | 348 | C21H32O4 | 1000356-80-9 | 78 |
| 3 | Di-n-octyl phthalate | 390 | C24H38O4 | 000117-84-0 | 78 |
| 4 | Phthalic acid, hexyl octyl ester | 362 | C22H34O4 | 1000308-97-8 | 72 |
| 5 | Phthalic acid, pentyl 2-propylpe... | 348 | C21H32O4 | 1000377-92-1 | 72 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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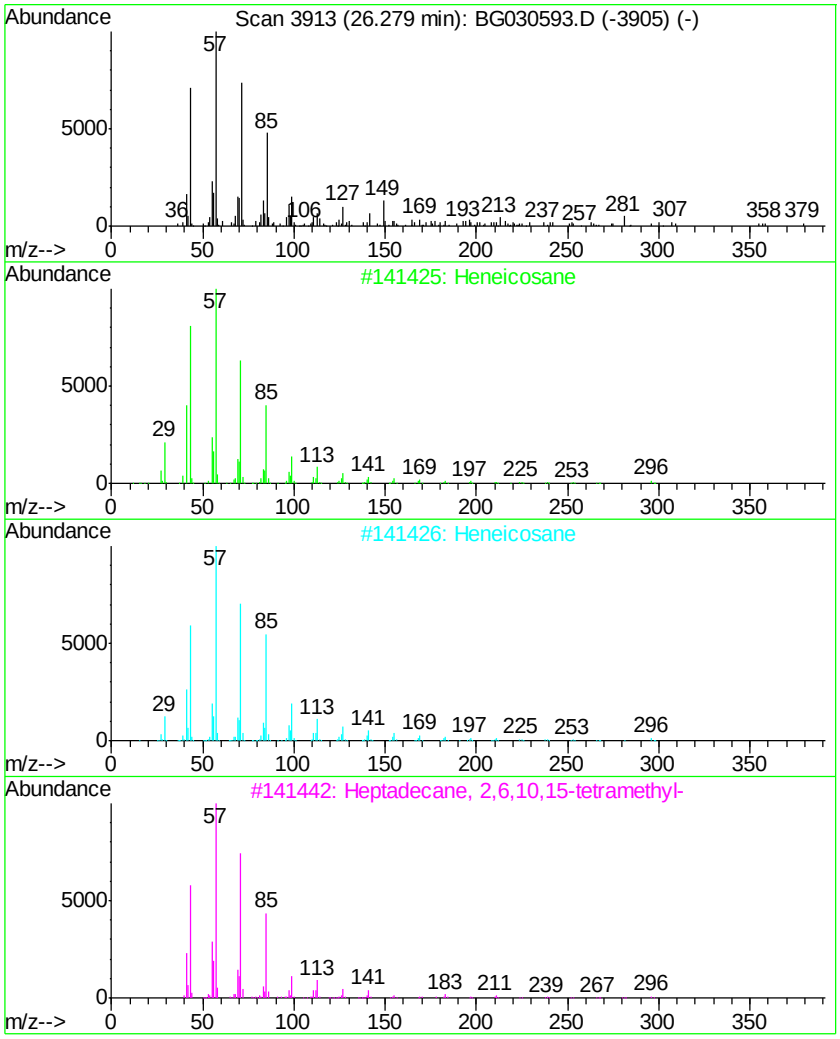
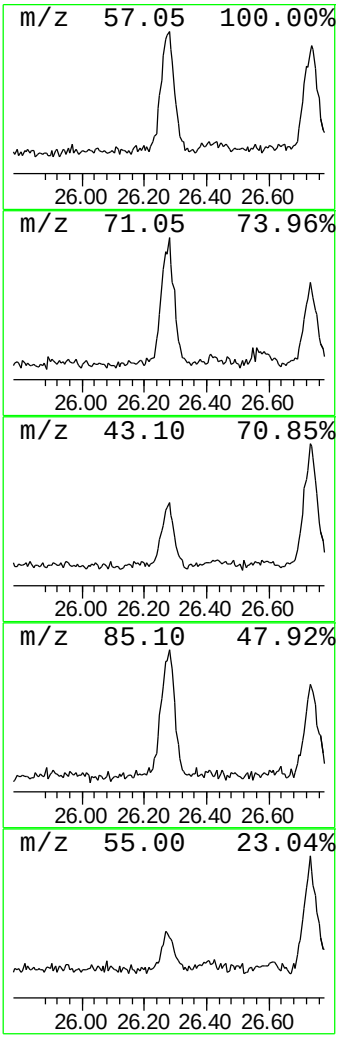
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.28 | 2.10 ng/ul | 201926 | Perylene-d12 | 25.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 95 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 90 |
| 4 | Eicosane, 2-methyl- | 296 | C21H44 | 001560-84-5 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

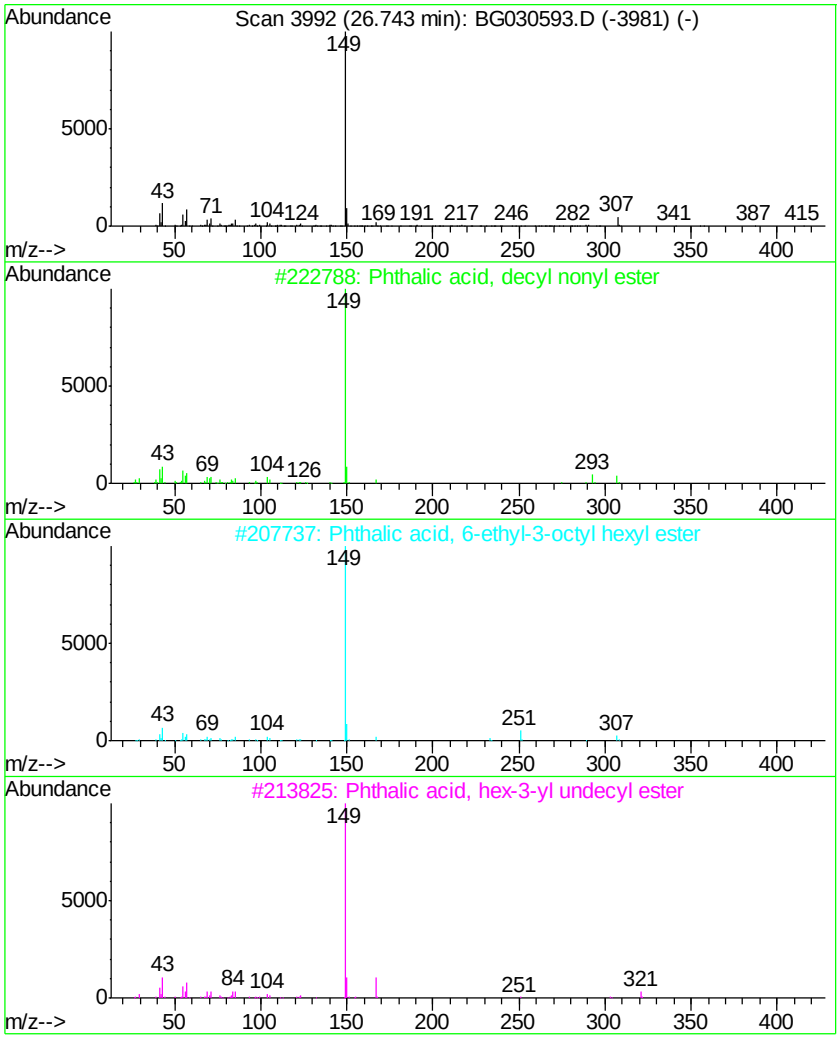
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

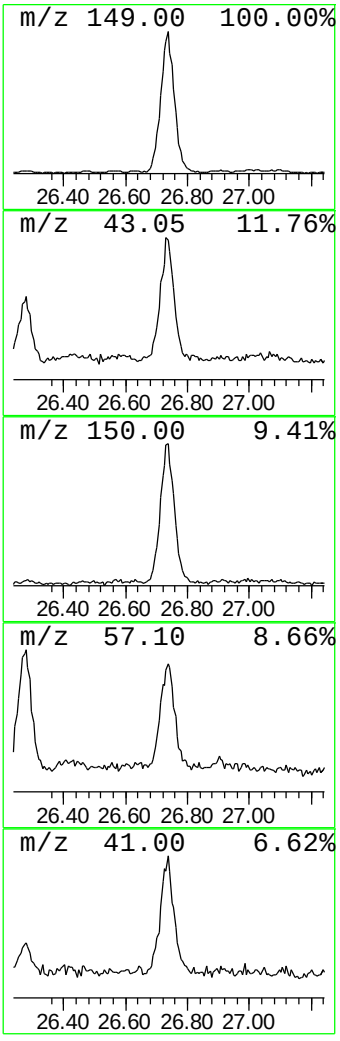
**********

Peak Number 11 Phthalic acid, decyl nonyl ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.74 | 9.47 ng/ul | 910609 | Perylene-d12 | 25.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, decyl nonyl ester | 432 | C27H44O4 | 1000308-89-8 | 86 |
| 2 | Phthalic acid, 6-ethyl-3-octyl h... | 390 | C24H38O4 | 1000315-17-6 | 86 |
| 3 | Phthalic acid, hex-3-yl undecyl ... | 404 | C25H40O4 | 1000356-96-2 | 80 |
| 4 | Phthalic acid, decyl dec-2-yl ester | 446 | C28H46O4 | 1000356-94-5 | 78 |
| 5 | Phthalic acid, 6-ethyl-3-octyl h... | 404 | C25H40O4 | 1000315-17-7 | 78 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030593.D
Acq On : 31 Oct 2017 00:24
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.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 |
| 2-Hydroxy-iso-but... | 12.27 | 3.4 | ng/ul | 137829 | 2 | 10.97 | 821477 | 20.0 |
| Benzophenone | 16.12 | 12.2 | ng/ul | 769742 | 3 | 14.77 | 1257520 | 20.0 |
| n-Hexadecanoic acid | 18.38 | 2.0 | ng/ul | 160499 | 4 | 17.52 | 1588970 | 20.0 |
| 2(1H)-Phenanthren... | 18.76 | 4.1 | ng/ul | 322260 | 4 | 17.52 | 1588970 | 20.0 |
| 1-Naphthalenecarb... | 19.65 | 16.0 | ng/ul | 1267810 | 4 | 17.52 | 1588970 | 20.0 |
| (DEL) Alkane: Cyc... | 21.40 | 4.2 | ng/ul | 392900 | 5 | 21.79 | 1859840 | 20.0 |
| unknown-01 | 22.27 | 14.5 | ng/ul | 1350740 | 5 | 21.79 | 1859840 | 20.0 |
| 2,4a,8,8-Tetramet... | 22.81 | 33.7 | ng/ul | 3136190 | 5 | 21.79 | 1859840 | 20.0 |
| Phthalic acid, 6-... | 24.52 | 16.7 | ng/ul | 1605250 | 6 | 25.10 | 1923510 | 20.0 |
| (DEL) Alkane: Str... | 26.28 | 2.1 | ng/ul | 201926 | 6 | 25.10 | 1923510 | 20.0 |
| Phthalic acid, de... | 26.74 | 9.5 | ng/ul | 910609 | 6 | 25.10 | 1923510 | 20.0 |