LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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 | 3.170 | 8 | 14 | 42 | rVB | 1645494 | 3537408 | 100.00% | 9.155% |
| 2 | 4.069 | 162 | 167 | 175 | rBV | 15804 | 30212 | 0.85% | 0.078% |
| 3 | 7.112 | 676 | 685 | 696 | rBV | 162998 | 300086 | 8.48% | 0.777% |
| 4 | 7.277 | 706 | 713 | 724 | rVB | 141010 | 240934 | 6.81% | 0.624% |
| 5 | 7.488 | 740 | 749 | 757 | rBV | 170013 | 306244 | 8.66% | 0.793% |
| 6 | 7.952 | 821 | 828 | 838 | rBV | 362316 | 623058 | 17.61% | 1.613% |
| 7 | 8.652 | 940 | 947 | 957 | rBV | 207501 | 358639 | 10.14% | 0.928% |
| 8 | 9.098 | 1015 | 1023 | 1038 | rBV | 157826 | 295664 | 8.36% | 0.765% |
| 9 | 9.827 | 1139 | 1147 | 1156 | rBV | 127824 | 234310 | 6.62% | 0.606% |
| 10 | 10.367 | 1231 | 1239 | 1251 | rBV | 216228 | 387957 | 10.97% | 1.004% |
| 11 | 10.743 | 1294 | 1303 | 1310 | rBV | 499255 | 907449 | 25.65% | 2.349% |
| 12 | 10.873 | 1317 | 1325 | 1335 | rBV | 154309 | 295525 | 8.35% | 0.765% |
| 13 | 13.898 | 1835 | 1840 | 1845 | rVV3 | 23630 | 40069 | 1.13% | 0.104% |
| 14 | 13.981 | 1845 | 1854 | 1858 | rVV | 426351 | 634811 | 17.95% | 1.643% |
| 15 | 14.028 | 1858 | 1862 | 1869 | rVB | 82908 | 120399 | 3.40% | 0.312% |
| 16 | 14.269 | 1892 | 1903 | 1918 | rBV | 467037 | 774723 | 21.90% | 2.005% |
| 17 | 14.574 | 1946 | 1955 | 1961 | rBV | 813560 | 1270483 | 35.92% | 3.288% |
| 18 | 14.639 | 1961 | 1966 | 1973 | rVV | 64403 | 103439 | 2.92% | 0.268% |
| 19 | 14.768 | 1982 | 1988 | 2003 | rVV | 91692 | 215316 | 6.09% | 0.557% |
| 20 | 14.974 | 2017 | 2023 | 2031 | rVV2 | 61384 | 103217 | 2.92% | 0.267% |
| 21 | 15.567 | 2116 | 2124 | 2129 | rVV | 636413 | 976802 | 27.61% | 2.528% |
| 22 | 15.620 | 2129 | 2133 | 2138 | rVV | 103291 | 162960 | 4.61% | 0.422% |
| 23 | 15.679 | 2138 | 2143 | 2147 | rVV | 147698 | 236494 | 6.69% | 0.612% |
| 24 | 15.743 | 2151 | 2154 | 2157 | rVV2 | 19439 | 29654 | 0.84% | 0.077% |
| 25 | 15.784 | 2157 | 2161 | 2167 | rVV4 | 19937 | 43557 | 1.23% | 0.113% |
| 26 | 15.914 | 2179 | 2183 | 2192 | rVB | 46031 | 77502 | 2.19% | 0.201% |
| 27 | 16.061 | 2202 | 2208 | 2216 | rVB2 | 51296 | 106574 | 3.01% | 0.276% |
| 28 | 16.601 | 2293 | 2300 | 2301 | rBV3 | 17348 | 30647 | 0.87% | 0.079% |
| 29 | 16.625 | 2301 | 2304 | 2309 | rVV4 | 32691 | 56854 | 1.61% | 0.147% |
| 30 | 16.854 | 2335 | 2343 | 2347 | rBV3 | 33181 | 71848 | 2.03% | 0.186% |
| 31 | 16.895 | 2347 | 2350 | 2354 | rVV2 | 33359 | 50381 | 1.42% | 0.130% |
| 32 | 16.965 | 2358 | 2362 | 2371 | rVB | 56318 | 100246 | 2.83% | 0.259% |
| 33 | 17.054 | 2371 | 2377 | 2384 | rBV3 | 37774 | 99581 | 2.82% | 0.258% |
| 34 | 17.136 | 2387 | 2391 | 2401 | rVB | 42757 | 74968 | 2.12% | 0.194% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.318 | 2415 | 2422 | 2425 | rBV | 977990 | 1492594 | 42.19% | 3.863% |
| 36 | 17.359 | 2425 | 2429 | 2434 | rVV | 919242 | 1351269 | 38.20% | 3.497% |
| 37 | 17.412 | 2434 | 2438 | 2442 | rVV | 670278 | 1051347 | 29.72% | 2.721% |
| 38 | 17.447 | 2442 | 2444 | 2449 | rVV | 245133 | 300307 | 8.49% | 0.777% |
| 39 | 17.506 | 2449 | 2454 | 2460 | rVB2 | 36749 | 58248 | 1.65% | 0.151% |
| 40 | 17.712 | 2479 | 2489 | 2494 | rBV2 | 65538 | 146420 | 4.14% | 0.379% |
| 41 | 17.835 | 2506 | 2510 | 2515 | rVV2 | 26244 | 44045 | 1.25% | 0.114% |
| 42 | 17.900 | 2517 | 2521 | 2526 | rVV6 | 24875 | 44507 | 1.26% | 0.115% |
| 43 | 18.193 | 2561 | 2571 | 2573 | rBV | 162409 | 266840 | 7.54% | 0.691% |
| 44 | 18.240 | 2573 | 2579 | 2585 | rVV | 265441 | 520882 | 14.72% | 1.348% |
| 45 | 18.317 | 2587 | 2592 | 2597 | rVV | 104440 | 167366 | 4.73% | 0.433% |
| 46 | 18.387 | 2597 | 2604 | 2608 | rVV2 | 215075 | 416923 | 11.79% | 1.079% |
| 47 | 18.422 | 2608 | 2610 | 2616 | rVV | 113560 | 140554 | 3.97% | 0.364% |
| 48 | 18.487 | 2616 | 2621 | 2624 | rVV3 | 19586 | 36718 | 1.04% | 0.095% |
| 49 | 18.534 | 2626 | 2629 | 2634 | rVV3 | 21952 | 38516 | 1.09% | 0.100% |
| 50 | 18.628 | 2641 | 2645 | 2650 | rVV7 | 15739 | 30572 | 0.86% | 0.079% |
| 51 | 18.687 | 2650 | 2655 | 2658 | rVV | 113220 | 173852 | 4.91% | 0.450% |
| 52 | 18.722 | 2658 | 2661 | 2667 | rVV | 86154 | 129954 | 3.67% | 0.336% |
| 53 | 18.934 | 2693 | 2697 | 2702 | rBV2 | 44302 | 65568 | 1.85% | 0.170% |
| 54 | 18.987 | 2702 | 2706 | 2709 | rBV2 | 30392 | 35766 | 1.01% | 0.093% |
| 55 | 19.022 | 2709 | 2712 | 2716 | rVB2 | 42368 | 58195 | 1.65% | 0.151% |
| 56 | 19.104 | 2717 | 2726 | 2731 | rBV2 | 104138 | 206384 | 5.83% | 0.534% |
| 57 | 19.175 | 2731 | 2738 | 2740 | rBV4 | 49130 | 92875 | 2.63% | 0.240% |
| 58 | 19.239 | 2745 | 2749 | 2758 | rVB3 | 85149 | 155313 | 4.39% | 0.402% |
| 59 | 19.368 | 2759 | 2771 | 2776 | rBV | 1178648 | 1709007 | 48.31% | 4.423% |
| 60 | 19.462 | 2784 | 2787 | 2793 | rBV5 | 35277 | 66441 | 1.88% | 0.172% |
| 61 | 19.556 | 2799 | 2803 | 2806 | rBV4 | 34639 | 57903 | 1.64% | 0.150% |
| 62 | 19.609 | 2810 | 2812 | 2815 | rVV2 | 41436 | 49253 | 1.39% | 0.127% |
| 63 | 19.697 | 2821 | 2827 | 2830 | rVV2 | 1103595 | 1769562 | 50.02% | 4.580% |
| 64 | 19.727 | 2830 | 2832 | 2840 | rVV | 935675 | 1131182 | 31.98% | 2.928% |
| 65 | 19.797 | 2840 | 2844 | 2852 | rVB2 | 90081 | 151562 | 4.28% | 0.392% |
| 66 | 19.903 | 2858 | 2862 | 2868 | rBV | 97784 | 133633 | 3.78% | 0.346% |
| 67 | 19.962 | 2868 | 2872 | 2878 | rVB | 82218 | 127431 | 3.60% | 0.330% |
| 68 | 20.038 | 2880 | 2885 | 2894 | rBV2 | 188165 | 427750 | 12.09% | 1.107% |
| 69 | 20.185 | 2905 | 2910 | 2912 | rBV4 | 81382 | 129400 | 3.66% | 0.335% |
| 70 | 20.220 | 2912 | 2916 | 2920 | rVB | 185195 | 271393 | 7.67% | 0.702% |
| 71 | 20.320 | 2927 | 2933 | 2936 | rBV2 | 124035 | 178863 | 5.06% | 0.463% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.373 | 2936 | 2942 | 2946 | rVV2 | 151427 | 276194 | 7.81% | 0.715% |
| 73 | 20.408 | 2946 | 2948 | 2953 | rVB2 | 83890 | 108331 | 3.06% | 0.280% |
| 74 | 20.455 | 2953 | 2956 | 2962 | rVB2 | 40784 | 55619 | 1.57% | 0.144% |
| 75 | 20.514 | 2962 | 2966 | 2969 | rBV | 70255 | 97958 | 2.77% | 0.254% |
| 76 | 20.567 | 2970 | 2975 | 2982 | rBV3 | 88589 | 178015 | 5.03% | 0.461% |
| 77 | 20.808 | 3013 | 3016 | 3019 | rVB4 | 31526 | 36709 | 1.04% | 0.095% |
| 78 | 20.972 | 3039 | 3044 | 3051 | rVB | 132700 | 213493 | 6.04% | 0.553% |
| 79 | 21.055 | 3055 | 3058 | 3067 | rVB3 | 48059 | 79074 | 2.24% | 0.205% |
| 80 | 21.149 | 3067 | 3074 | 3078 | rBV2 | 89002 | 224898 | 6.36% | 0.582% |
| 81 | 21.196 | 3078 | 3082 | 3084 | rVV | 101021 | 137989 | 3.90% | 0.357% |
| 82 | 21.231 | 3084 | 3088 | 3095 | rVV3 | 268521 | 490918 | 13.88% | 1.271% |
| 83 | 21.296 | 3095 | 3099 | 3104 | rVB2 | 114385 | 189577 | 5.36% | 0.491% |
| 84 | 21.560 | 3136 | 3144 | 3149 | rBV2 | 1186540 | 2695351 | 76.20% | 6.976% |
| 85 | 21.607 | 3149 | 3152 | 3164 | rVB | 497832 | 810288 | 22.91% | 2.097% |
| 86 | 21.772 | 3173 | 3180 | 3186 | rBV4 | 86146 | 263212 | 7.44% | 0.681% |
| 87 | 21.954 | 3207 | 3211 | 3217 | rBV3 | 67735 | 127943 | 3.62% | 0.331% |
| 88 | 22.200 | 3250 | 3253 | 3257 | rBV4 | 27808 | 41352 | 1.17% | 0.107% |
| 89 | 22.277 | 3258 | 3266 | 3271 | rVB | 123570 | 240692 | 6.80% | 0.623% |
| 90 | 22.341 | 3273 | 3277 | 3279 | rBV2 | 69102 | 106001 | 3.00% | 0.274% |
| 91 | 22.535 | 3307 | 3310 | 3314 | rVB2 | 40110 | 53324 | 1.51% | 0.138% |
| 92 | 23.041 | 3392 | 3396 | 3402 | rVB | 76414 | 131034 | 3.70% | 0.339% |
| 93 | 23.693 | 3498 | 3507 | 3514 | rBV2 | 320283 | 1104792 | 31.23% | 2.859% |
| 94 | 23.816 | 3524 | 3528 | 3541 | rVV2 | 86452 | 204905 | 5.79% | 0.530% |
| 95 | 23.934 | 3544 | 3548 | 3557 | rVB2 | 77439 | 164619 | 4.65% | 0.426% |
| 96 | 24.374 | 3618 | 3623 | 3629 | rBV2 | 148907 | 363290 | 10.27% | 0.940% |
| 97 | 24.457 | 3630 | 3637 | 3643 | rVV | 401987 | 1098904 | 31.07% | 2.844% |
| 98 | 24.521 | 3643 | 3648 | 3659 | rVB | 300275 | 738141 | 20.87% | 1.910% |
| 99 | 24.668 | 3664 | 3673 | 3681 | rBV2 | 615702 | 1697567 | 47.99% | 4.394% |
| 100 | 28.176 | 4261 | 4270 | 4290 | rVB3 | 113988 | 581096 | 16.43% | 1.504% |

Sum of corrected areas: 38637692

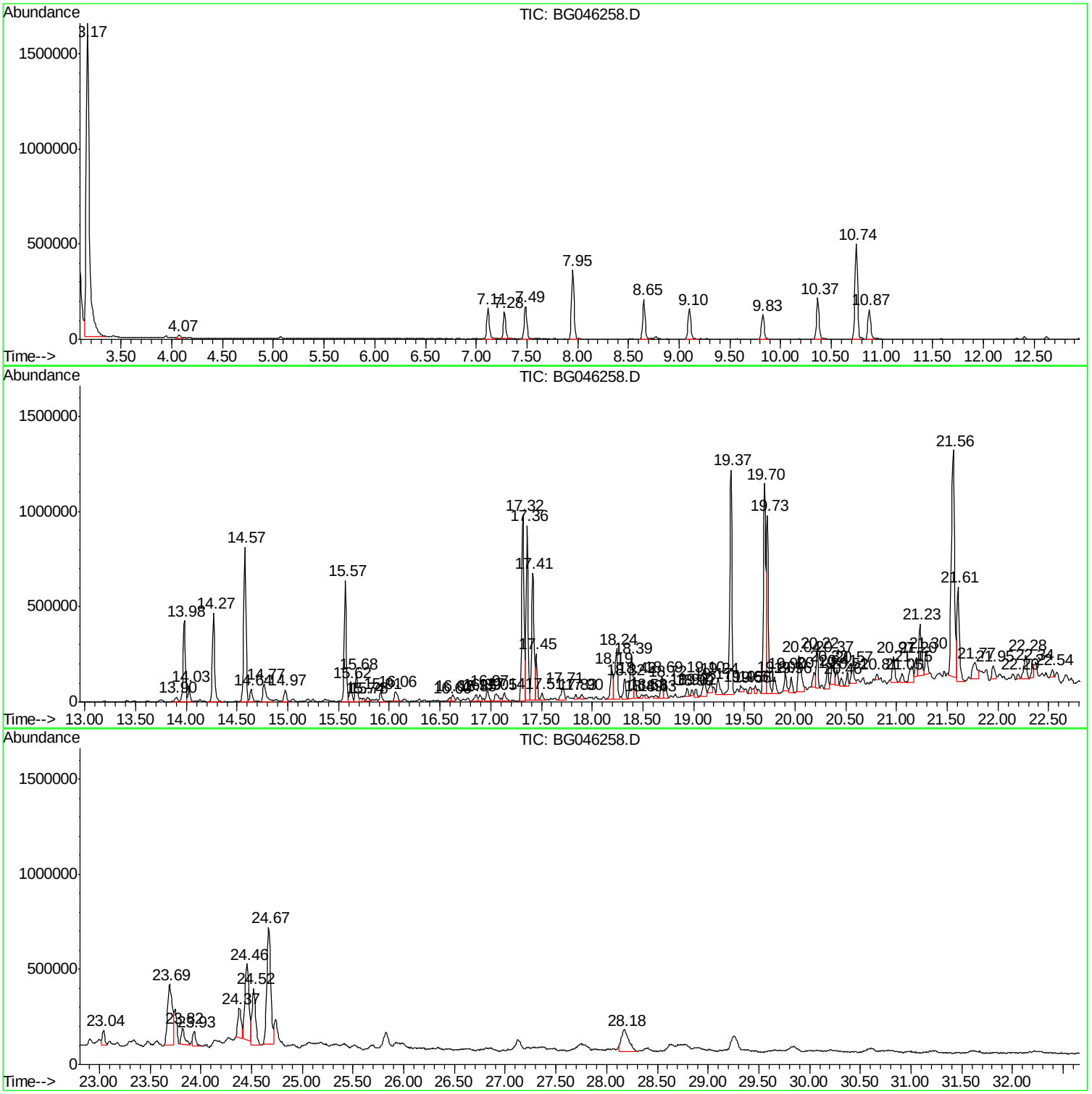
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

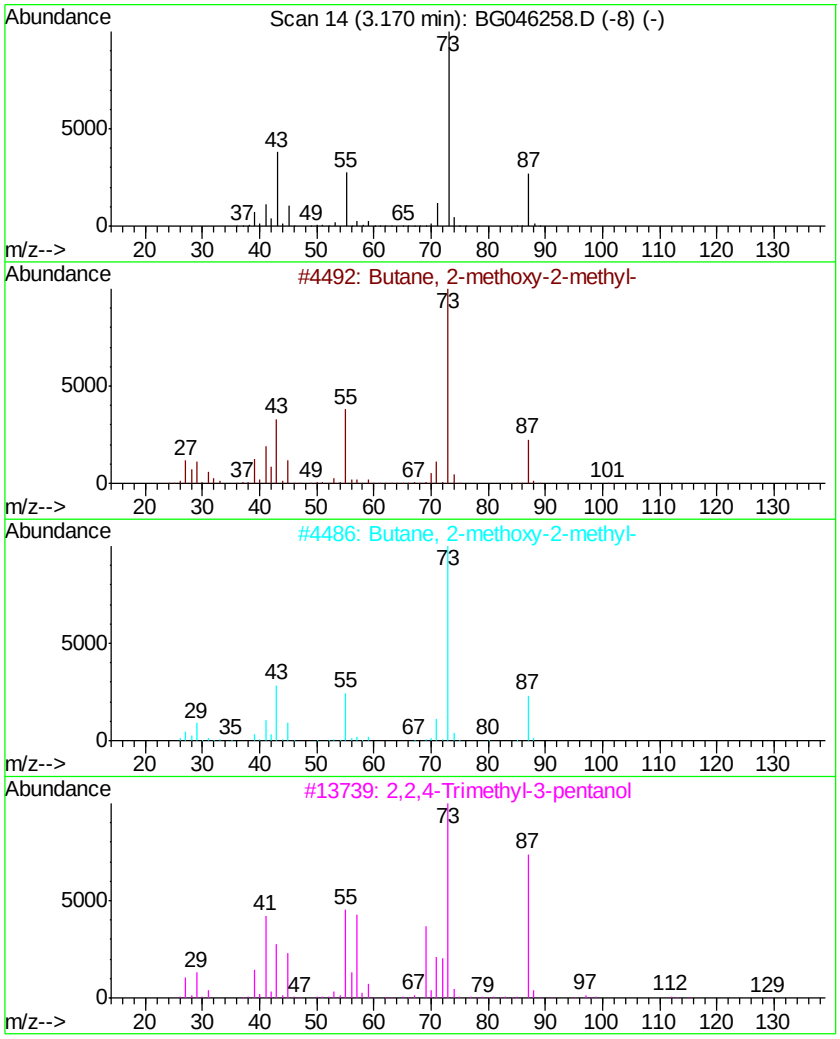
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

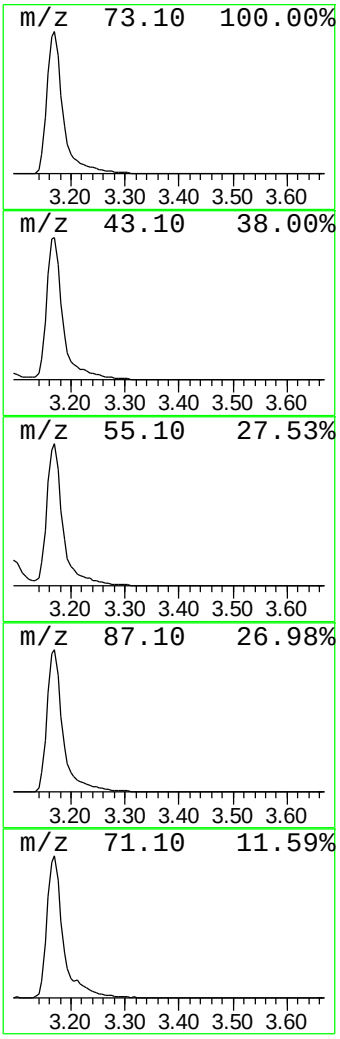
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.17 | 113.55 ng/ul | 3537410 | 1,4-Dichlorobenzene-d4 | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

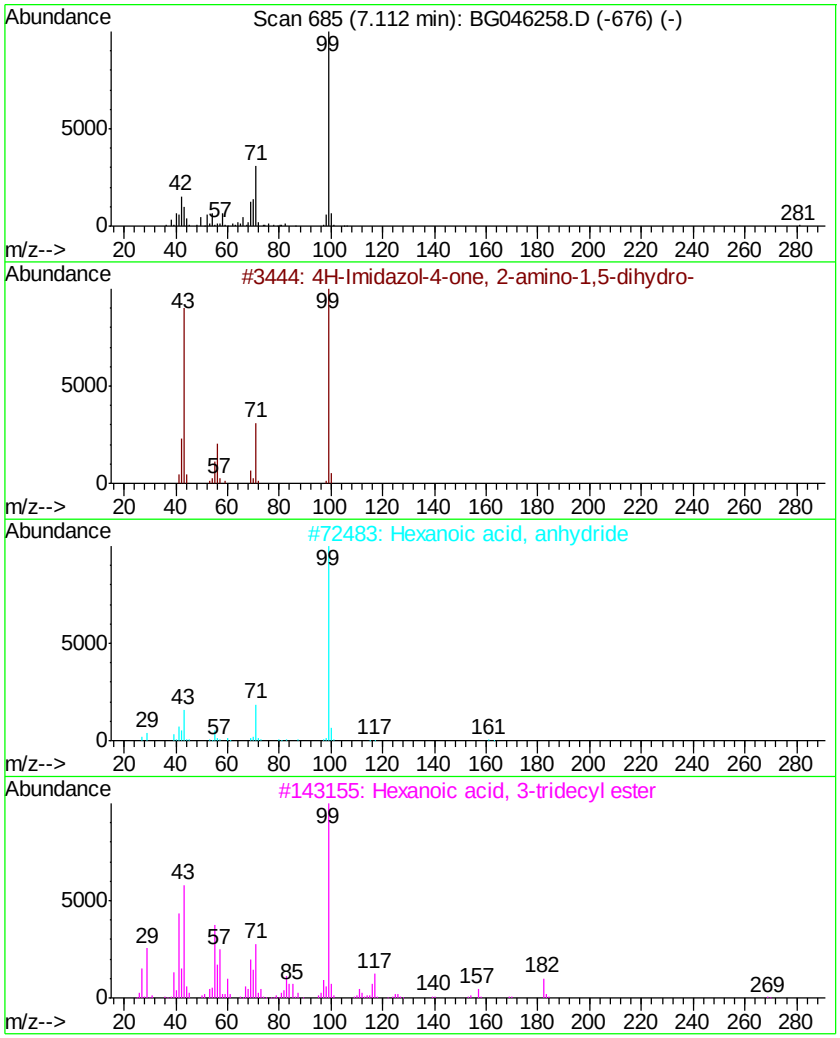
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

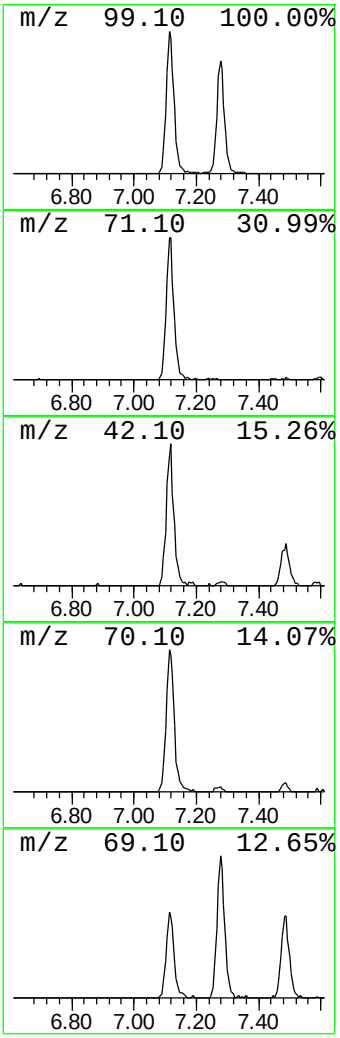
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 4H-Imidazol-4-one, 2-amino-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.11 | 9.63 ng/ul | 300086 | 1,4-Dichlorobenzene-d4 | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Imidazol-4-one, 2-amino-1,5-d... | 99 | C3H5N3O | 000503-86-6 | 64 |
| 2 | Hexanoic acid, anhydride | 214 | C12H22O3 | 002051-49-2 | 59 |
| 3 | Hexanoic acid, 3-tridecyl ester | 298 | C19H38O2 | 1000279-29-2 | 56 |
| 4 | 2(3H)-Furanone, 5-hexyldihydro-4... | 184 | C11H20O2 | 147254-33-9 | 56 |
| 5 | 2-Thioxo-dihydropyrimidine-4,6-d... | 359 | C17H21N5O2S | 1000304-28-6 | 50 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

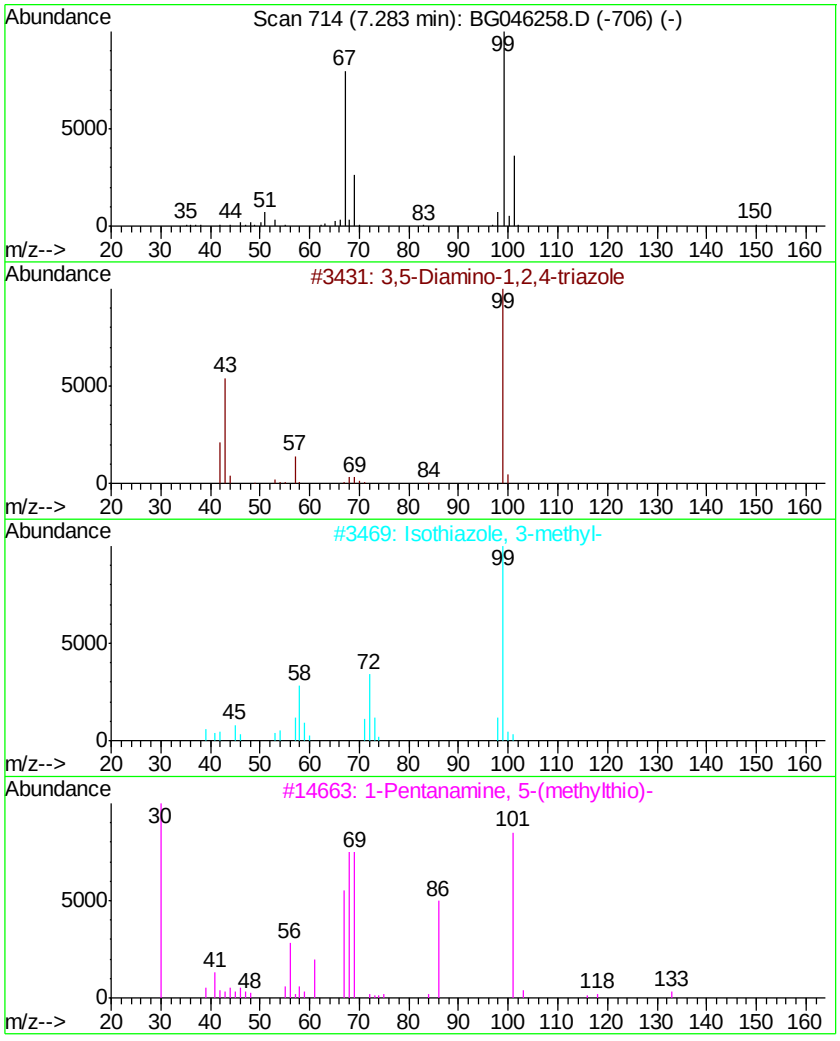
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

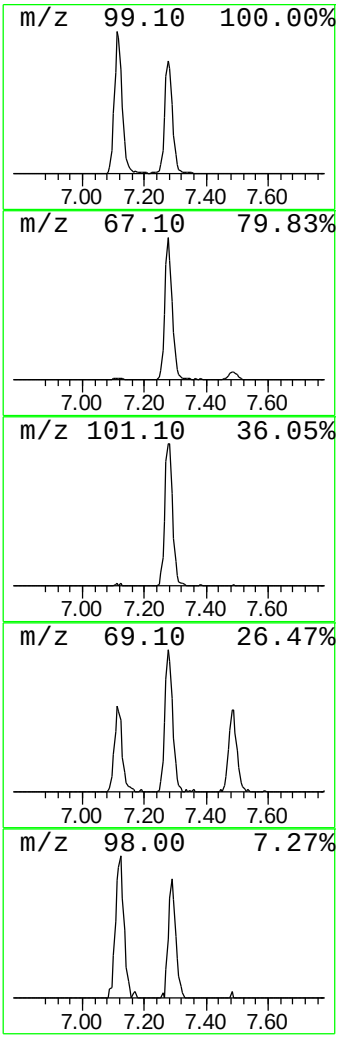
**********

Peak Number 3 unknown-01 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.28 | 7.73 ng/ul | 240934 | 1,4-Dichlorobenzene-d4 | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 9 |
| 2 | Isothiazole, 3-methyl- | 99 | C4H5NS | 000693-92-5 | 9 |
| 3 | 1-Pentanamine, 5-(methylthio)- | 133 | C6H15NS | 055021-78-8 | 9 |
| 4 | Methyl 2-butynoate | 98 | C5H6O2 | 023326-27-4 | 5 |
| 5 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 5 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

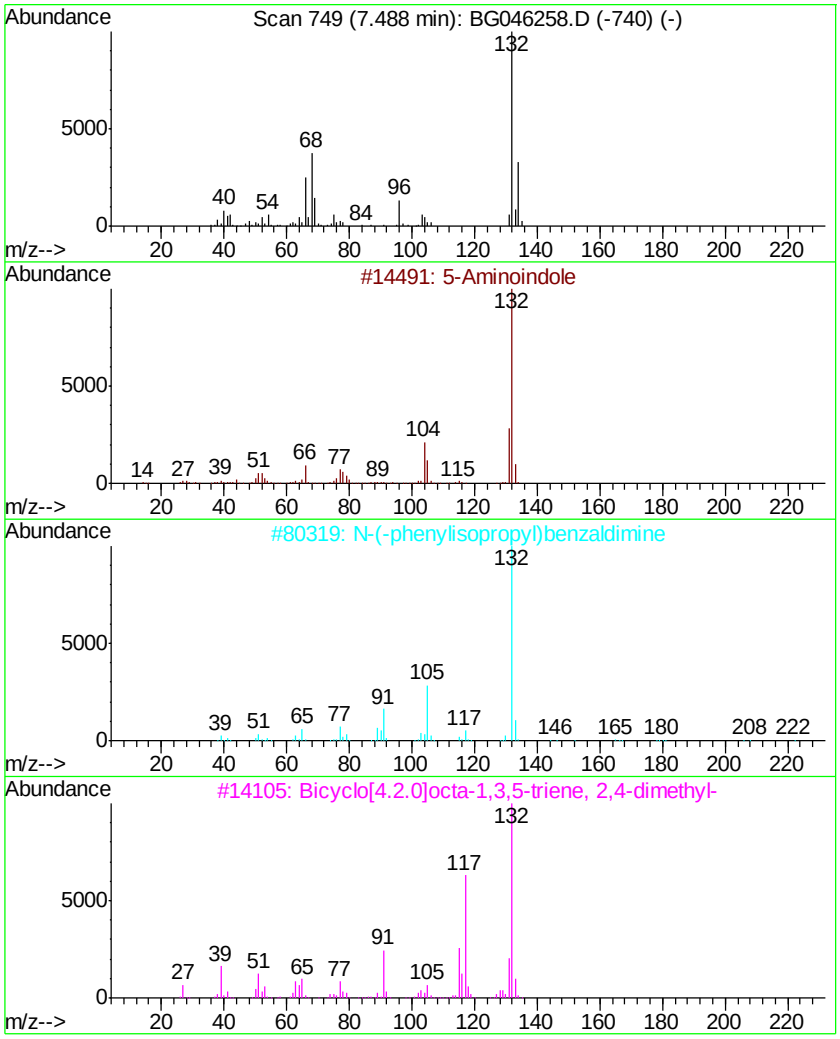
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

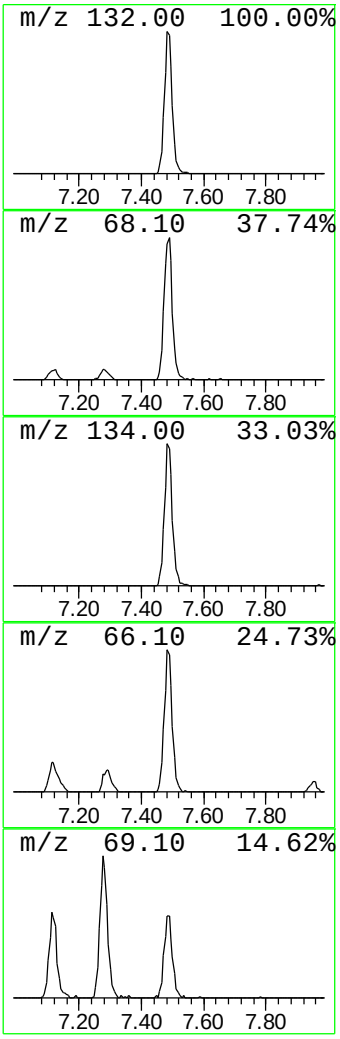
**********

Peak Number 4 unknown-02 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.49 | 9.83 ng/ul | 306244 | 1,4-Dichlorobenzene-d4 | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 27 |
| 2 | N-(-phenylisopropyl)benzaldimine | 223 | C16H17N | 1000379-01-3 | 12 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

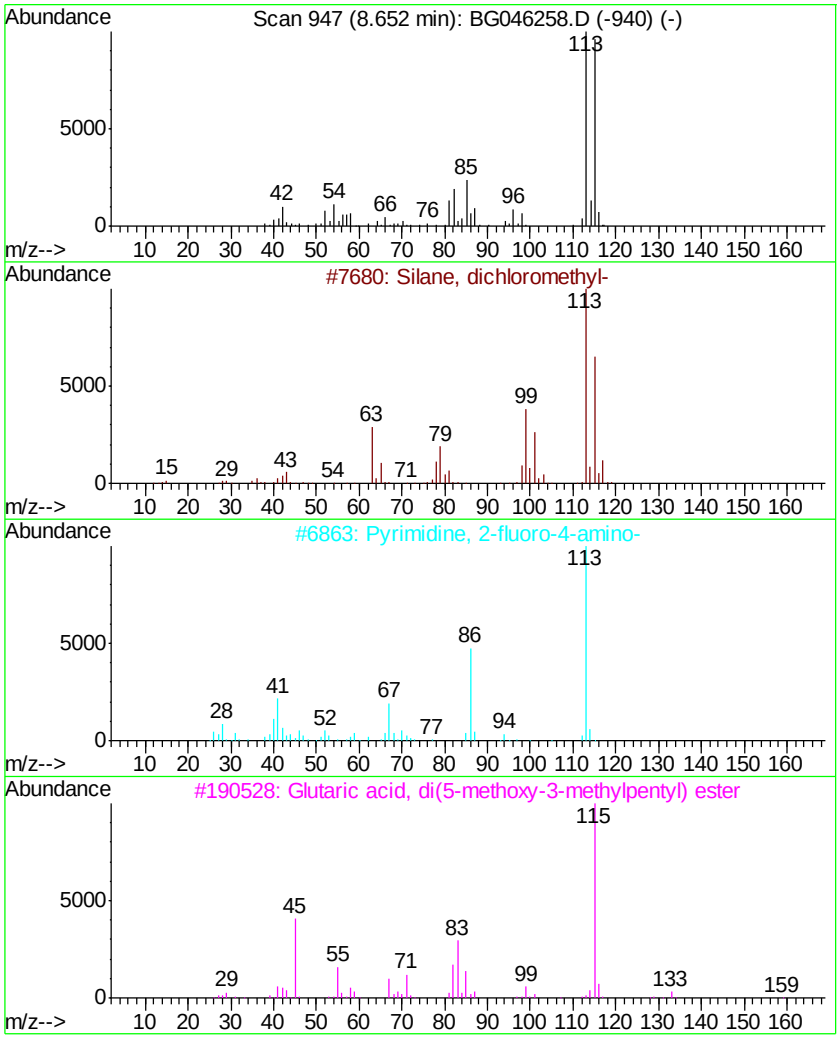
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

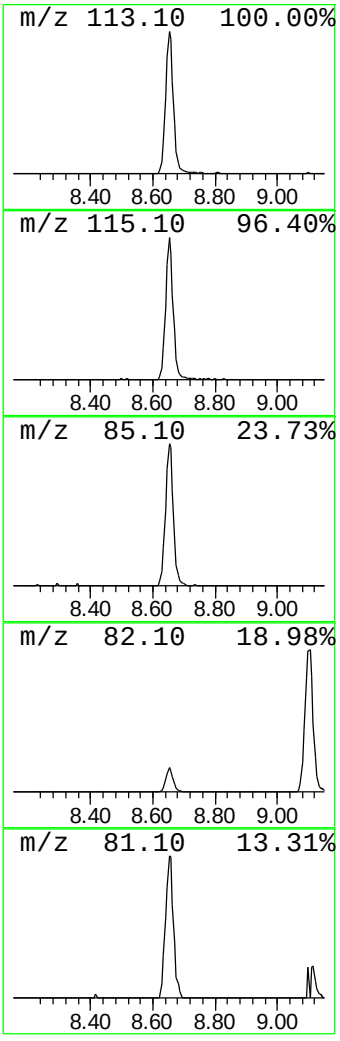
**********

Peak Number 5 Silane, dichloromethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.65 | 11.51 ng/ul | 358639 | 1,4-Dichlorobenzene-d4 | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dichloromethyl- | 114 | CH4Cl2Si | 000075-54-7 | 64 |
| 2 | Pyrimidine, 2-fluoro-4-amino- | 113 | C4H4FN3 | 096548-91-3 | 35 |
| 3 | Glutaric acid, di(5-methoxy-3-me... | 360 | C19H36O6 | 1000360-08-3 | 35 |
| 4 | Heptanoic acid, anhydride | 242 | C14H26O3 | 000626-27-7 | 35 |
| 5 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

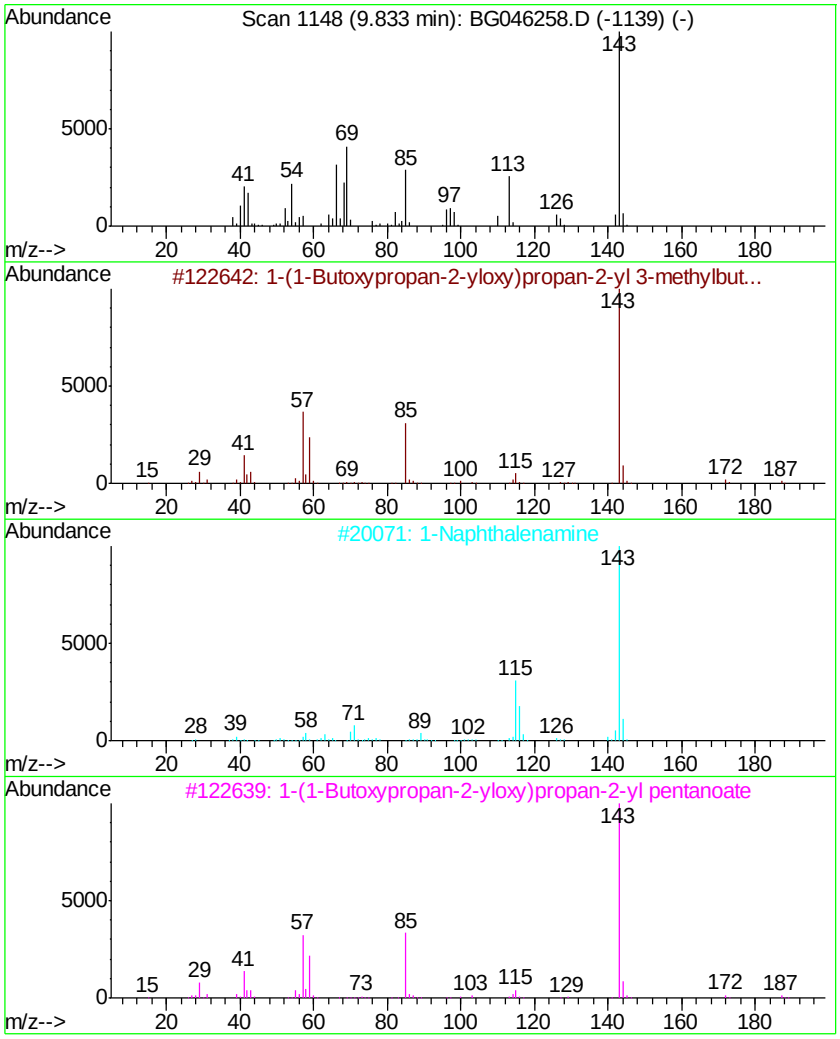
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

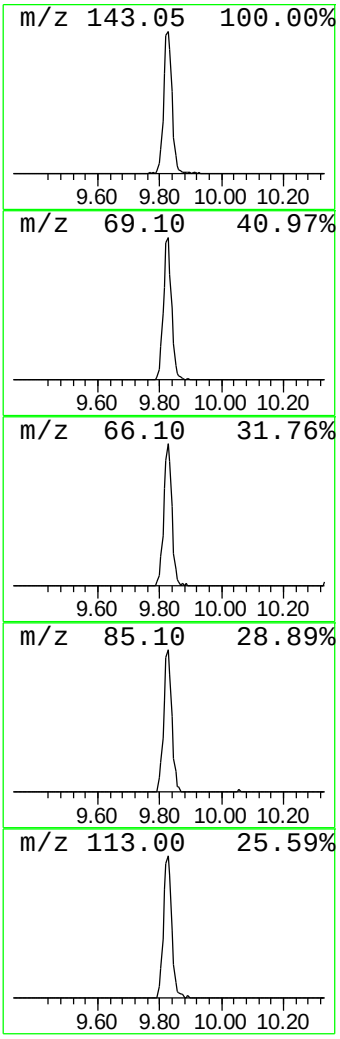
**********

Peak Number 7 unknown-03 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.83 | 5.16 ng/ul | 234310 | Naphthalene-d8 | 10.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-(1-Butoxypropan-2-yloxy)propan... | 274 | C15H30O4 | 1000367-12-9 | 22 |
| 2 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 14 |
| 3 | 1-(1-Butoxypropan-2-yloxy)propan... | 274 | C15H30O4 | 1000367-13-0 | 10 |
| 4 | 3-Aminophthalonitrile | 143 | C8H5N3 | 058632-96-5 | 10 |
| 5 | 4(1H)-Pyrimidinone, 6-amino-2,3-... | 143 | C4H5N3OS | 001004-40-6 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

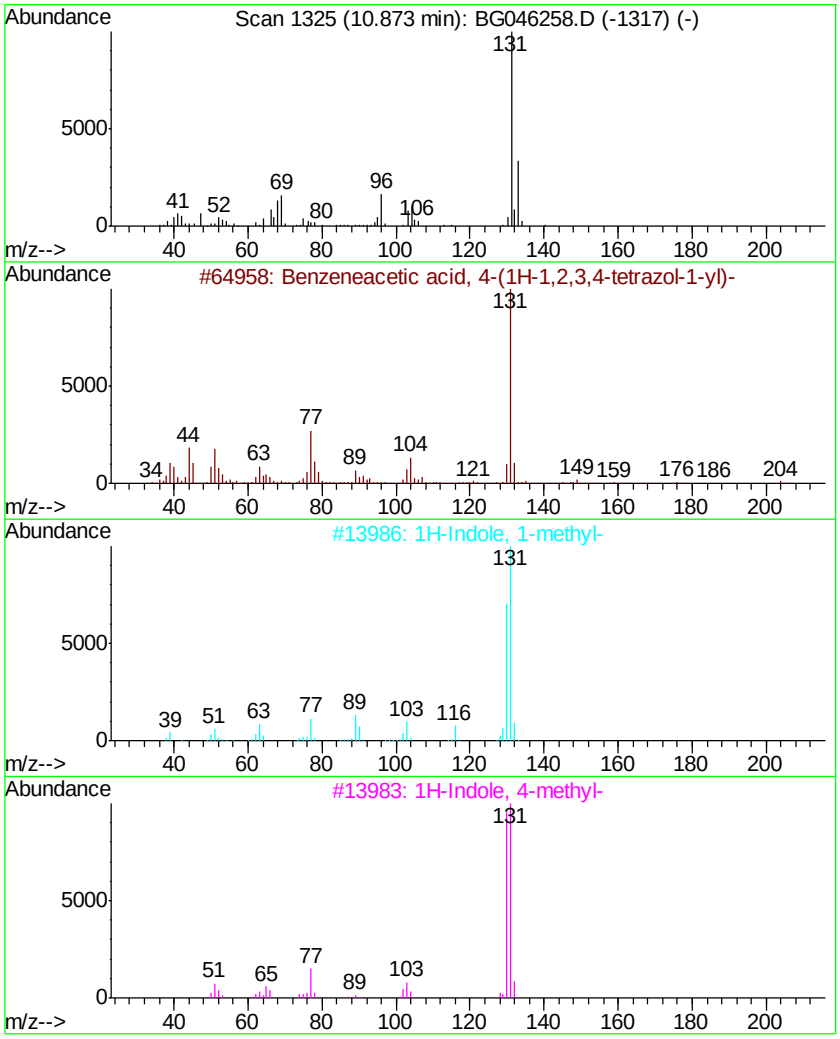
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

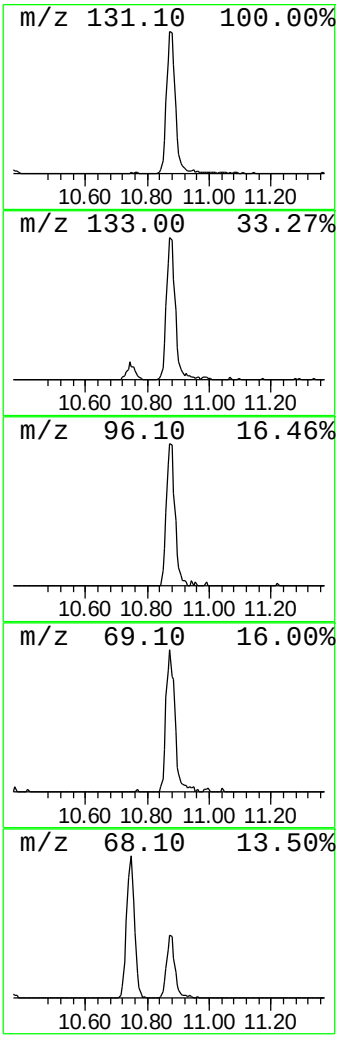
**********

Peak Number 8 unknown-04 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.87 | 6.51 ng/ul | 295525 | Naphthalene-d8 | 10.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneacetic acid, 4-(1H-1,2,3,... | 204 | C9H8N4O2 | 1000351-56-5 | 33 |
| 2 | 1H-Indole, 1-methyl- | 131 | C9H9N | 000603-76-9 | 28 |
| 3 | 1H-Indole, 4-methyl- | 131 | C9H9N | 016096-32-5 | 25 |
| 4 | 4-Pyrimidinamine, 2,6-difluoro- | 131 | C4H3F2N3 | 000675-12-7 | 9 |
| 5 | 1H-Indole, 5-methyl- | 131 | C9H9N | 000614-96-0 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

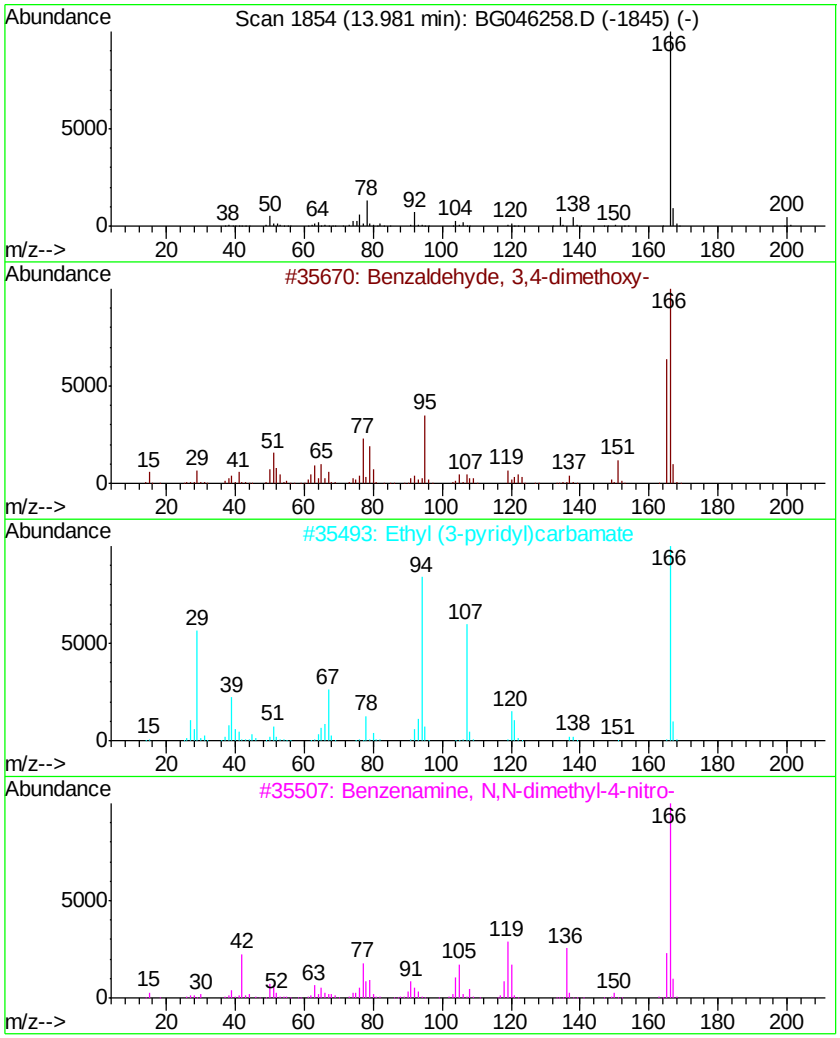
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

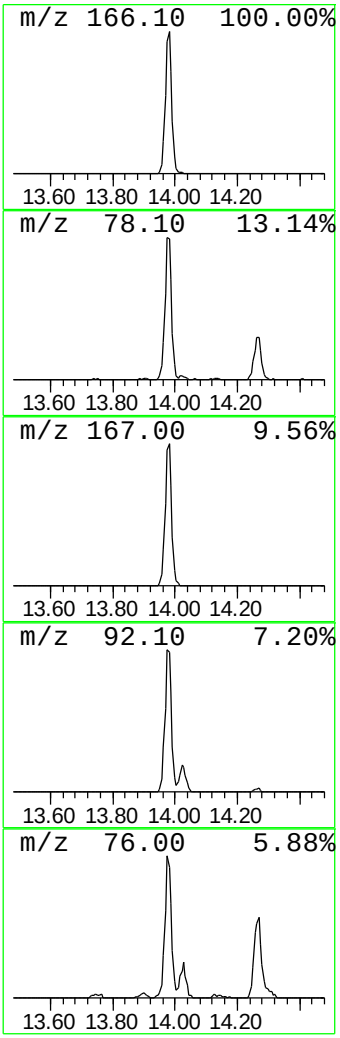
**********

Peak Number 9 unknown-05 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.98 | 9.99 ng/ul | 634811 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,4-dimethoxy- | 166 | C9H10O3 | 000120-14-9 | 45 |
| 2 | Ethyl (3-pyridyl)carbamate | 166 | C8H10N2O2 | 006276-11-5 | 39 |
| 3 | Benzenamine, N,N-dimethyl-4-nitro- | 166 | C8H10N2O2 | 000100-23-2 | 38 |
| 4 | 1H-Purine, 6-(methylthio)- | 166 | C6H6N4S | 000050-66-8 | 38 |
| 5 | Benzo[b]tetrahydrofuran-3-one, 5... | 166 | C8H6O4 | 014771-00-7 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

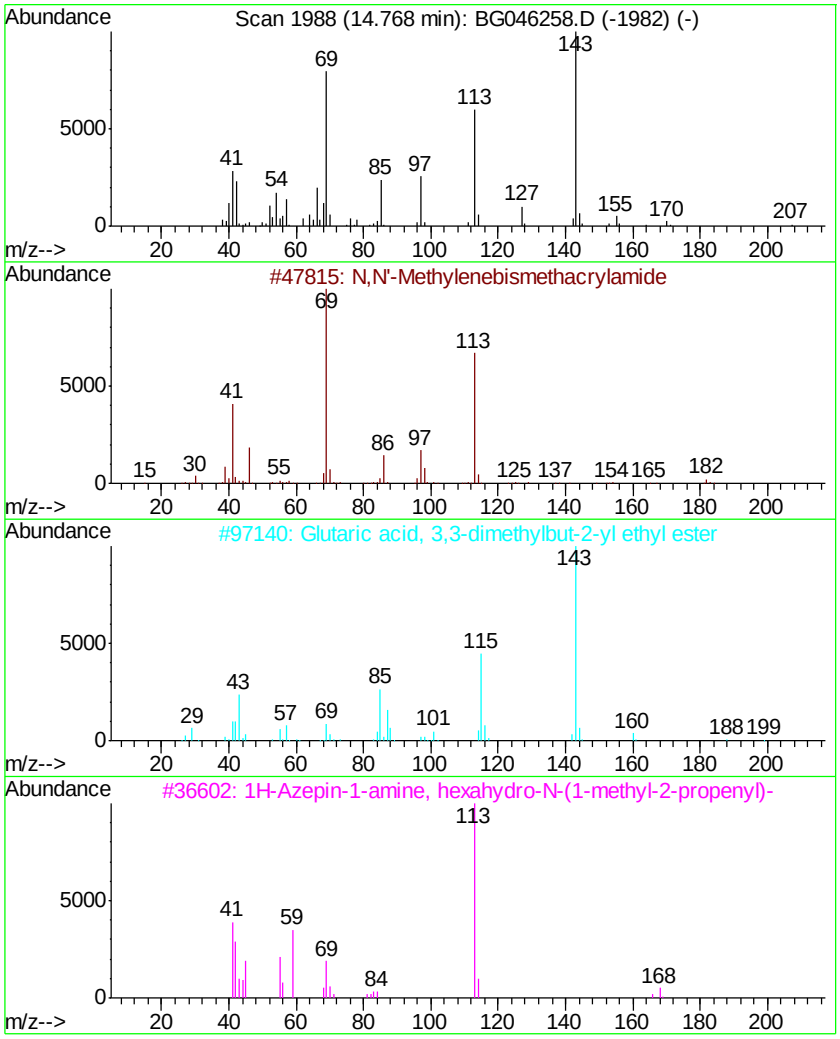
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

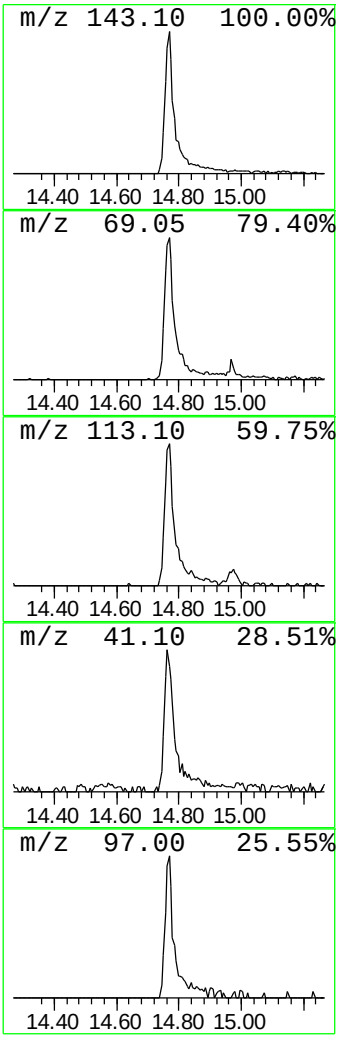
**********

Peak Number 10 unknown-06 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.77 | 3.39 ng/ul | 215316 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N'-Methylenebismethacrylamide | 182 | C9H14N2O2 | 002359-15-1 | 12 |
| 2 | Glutaric acid, 3,3-dimethylbut-2... | 244 | C13H24O4 | 1000359-74-7 | 12 |
| 3 | 1H-Azepin-1-amine, hexahydro-N-(... | 168 | C10H20N2 | 028075-23-2 | 10 |
| 4 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 10 |
| 5 | Glutaric acid, ethyl 4-methylhep... | 272 | C15H28O4 | 1000377-14-9 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

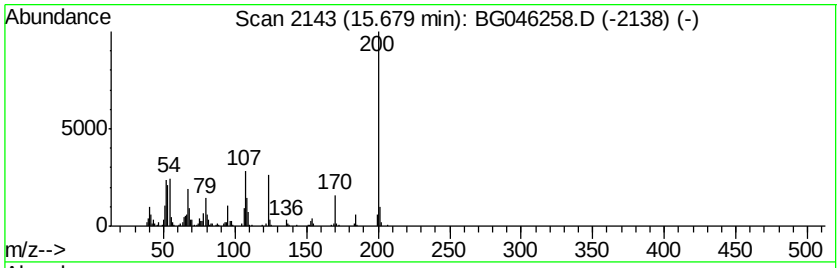
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

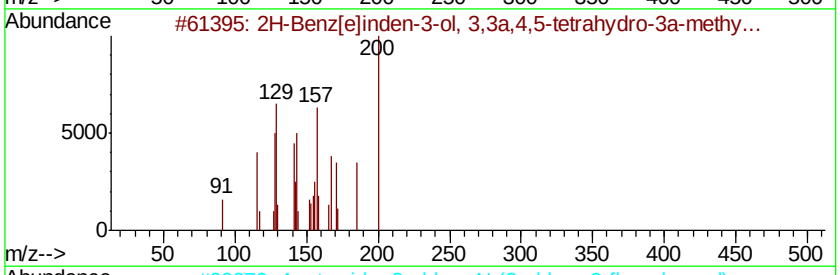
**********

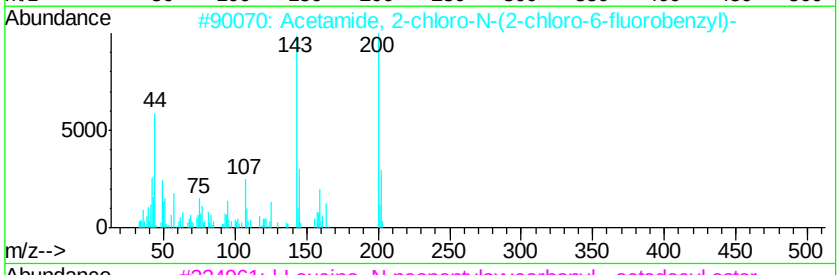
Peak Number 11 unknown-07 Concentration Rank 13

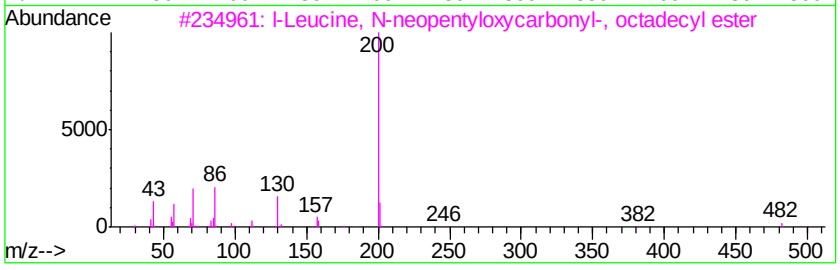
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 3.72 ng/ul | 236494 | Acenaphthene-d10 | 14.57 |

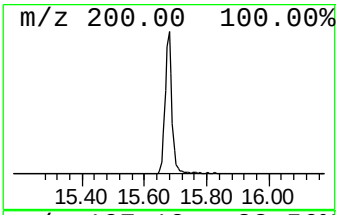
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Benz[e]inden-3-ol, 3,3a,4,5-t... | 200 | C14H16O | 071805-91-9 | 35 |
| 2 | Acetamide, 2-chloro-N-(2-chloro-... | 235 | C9H8Cl2FNO | 1000268-05-5 | 32 |
| 3 | l-Leucine, N-neopentyloxycarbony... | 497 | C30H59NO4 | 1000328-03-4 | 22 |
| 4 | l-Leucine, N-neopentyloxycarbony... | 357 | C20H39NO4 | 1000328-02-5 | 22 |
| 5 | DL-Norleucine, N-neopentyloxycar... | 469 | C28H55NO4 | 1000339-05-8 | 22 |

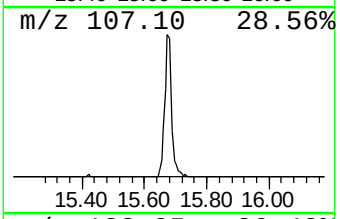


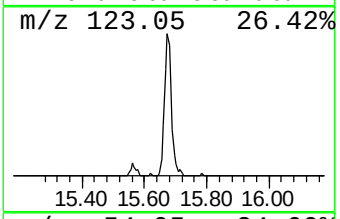



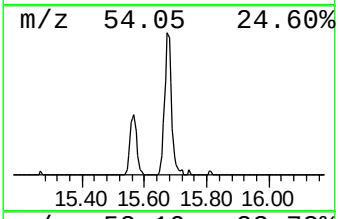



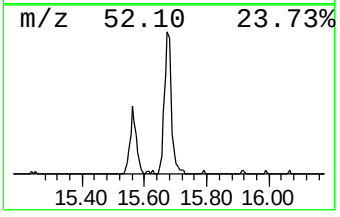



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

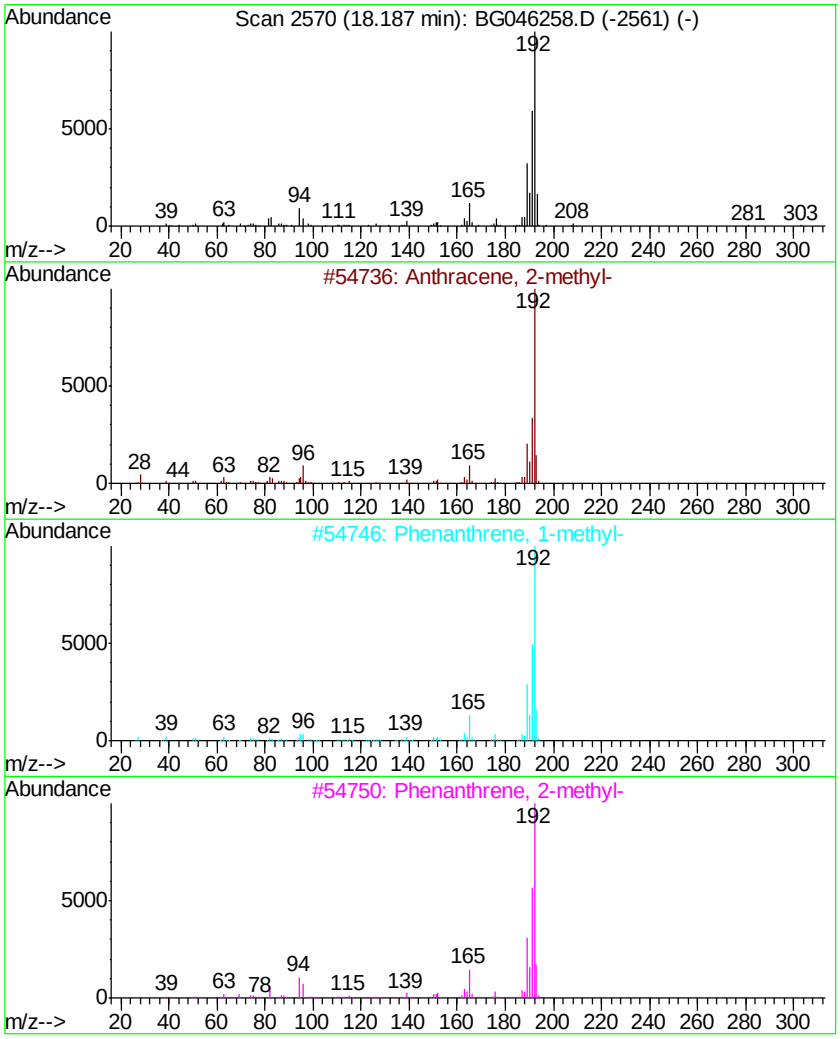
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

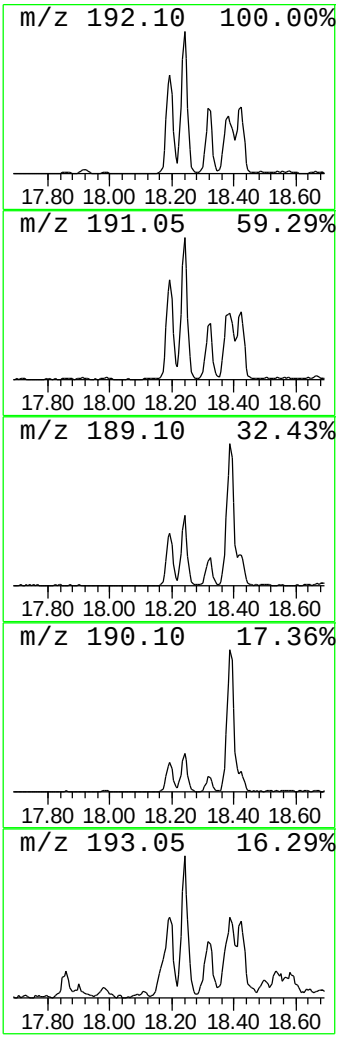
**********

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 3.58 ng/ul | 266840 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

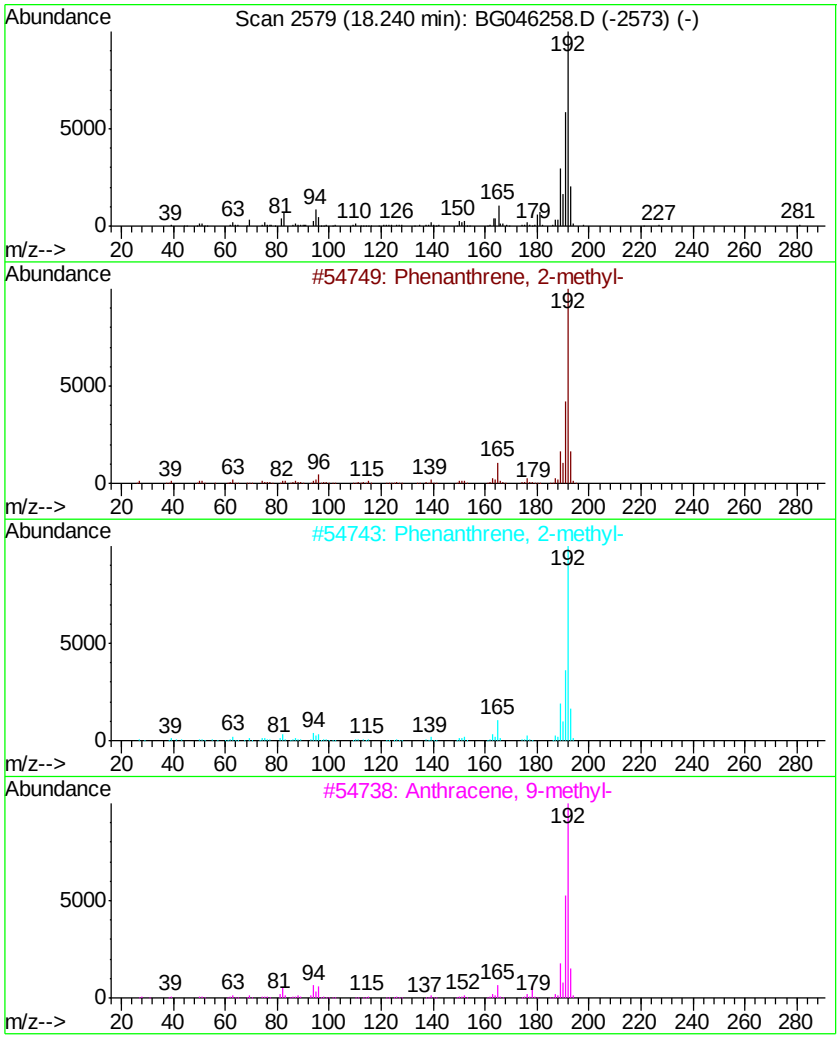
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

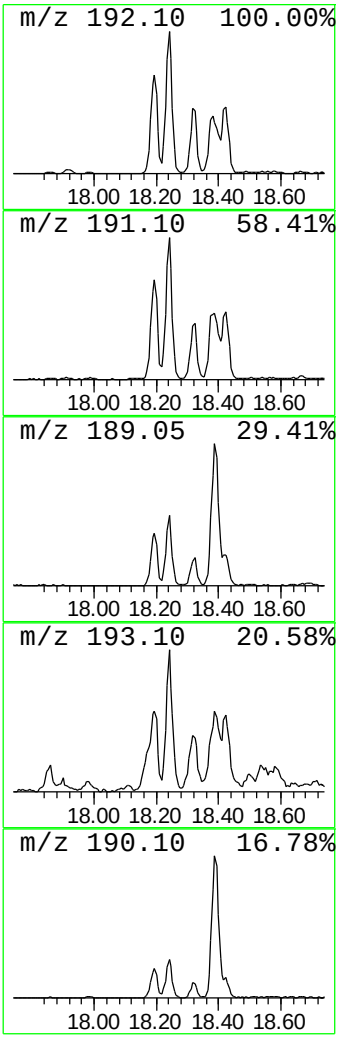
**********

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.24 | 6.98 ng/ul | 520882 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

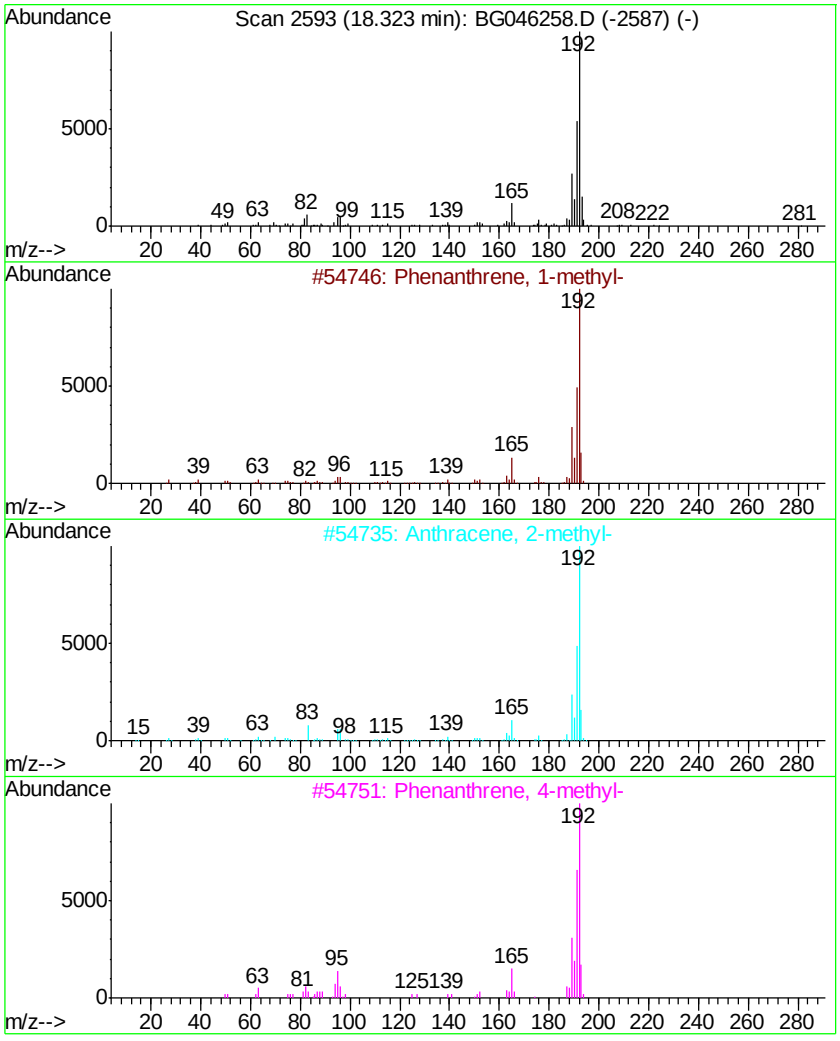
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

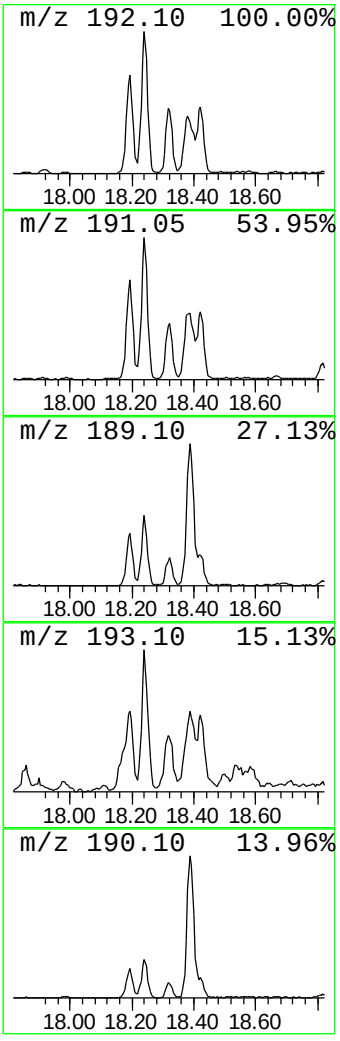
**********

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.32 | 2.24 ng/ul | 167366 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 94 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

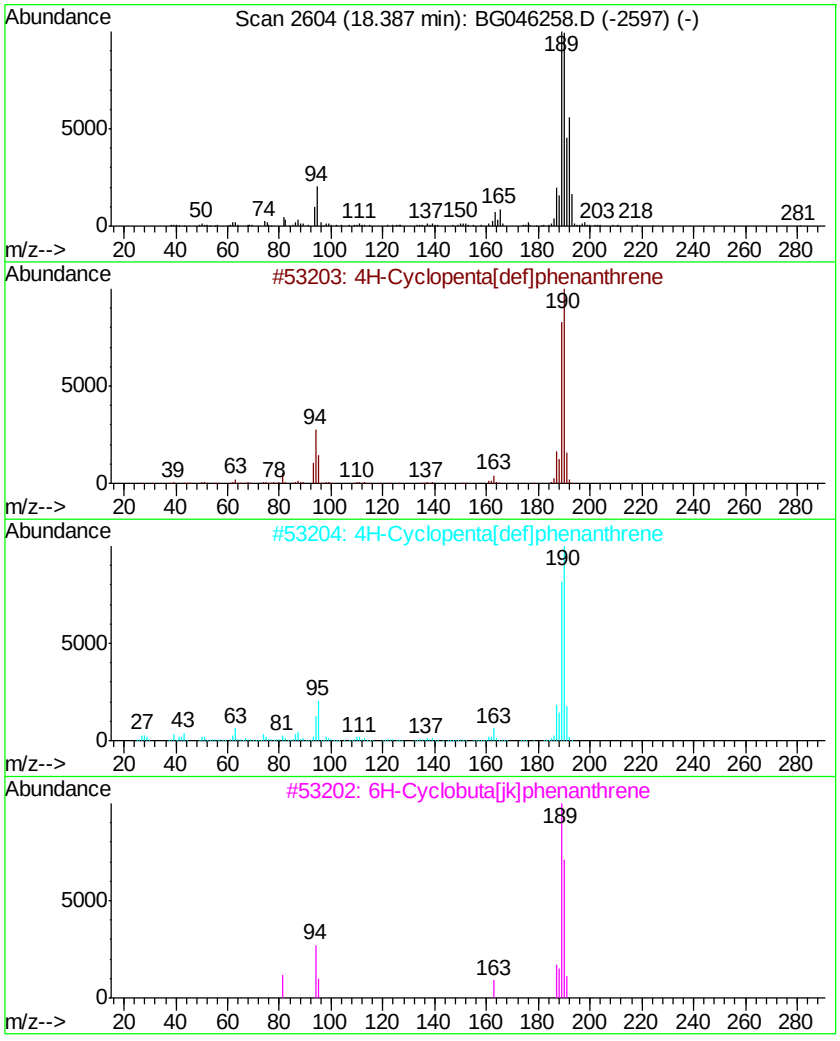
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

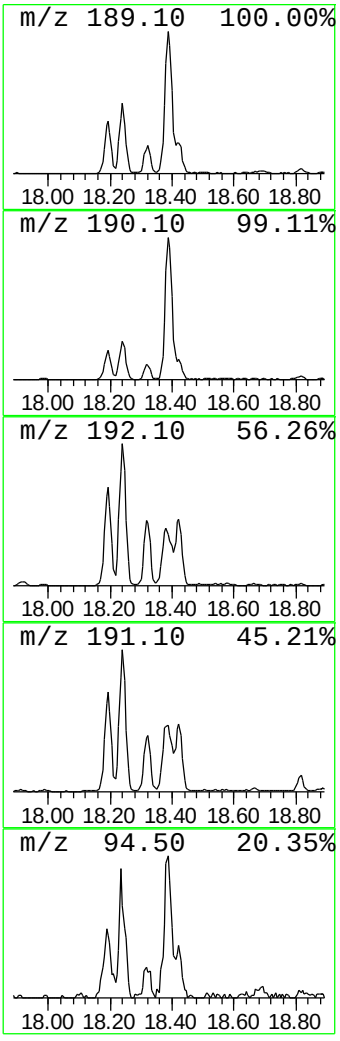
**********

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.39 | 5.59 ng/ul | 416923 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 53 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 53 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 35 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 25 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

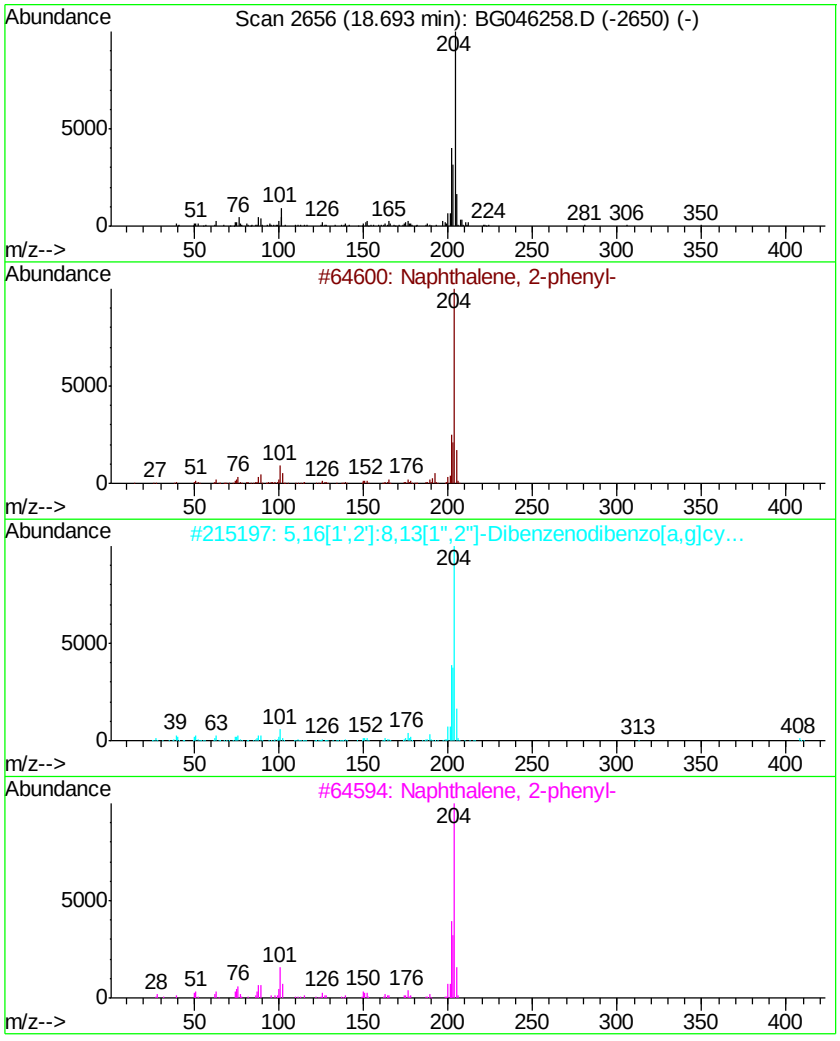
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

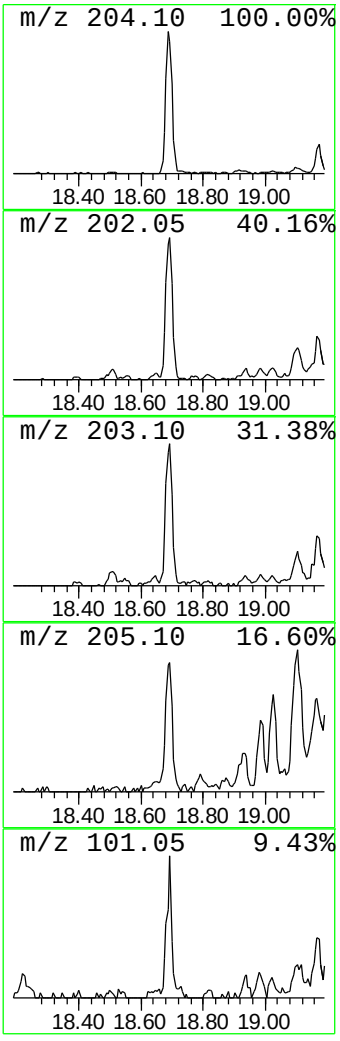
**********

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.69 | 2.33 ng/ul | 173852 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 89 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

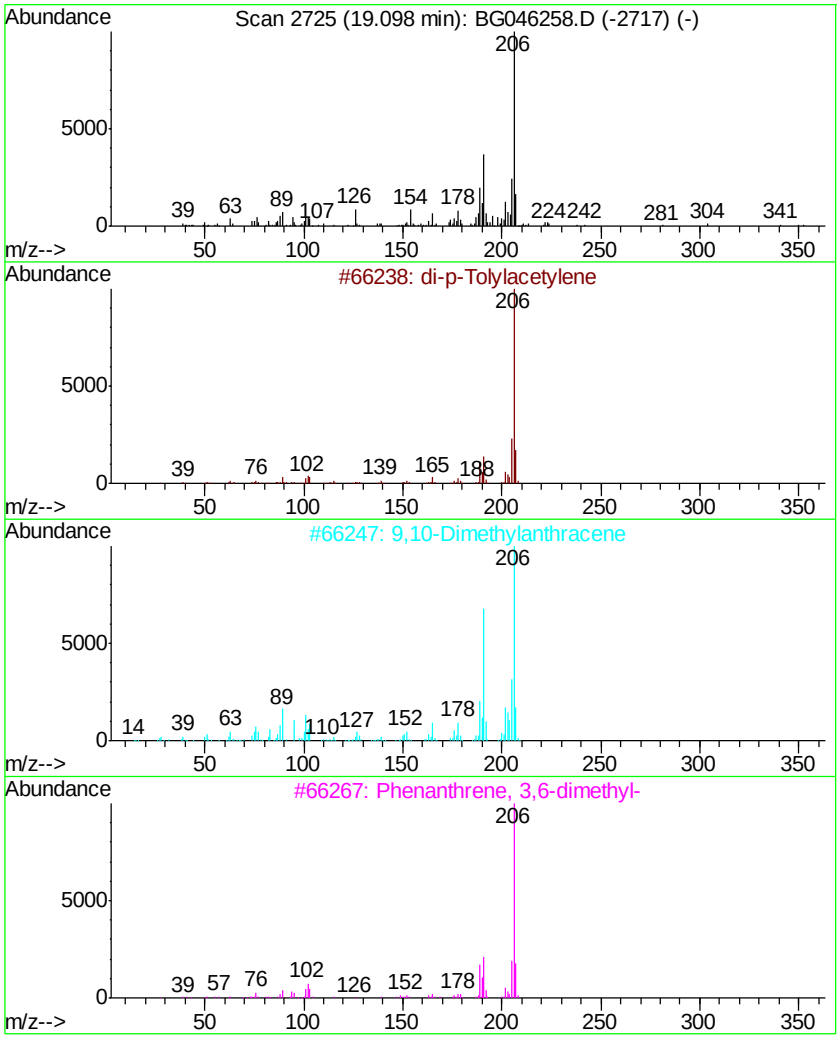
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

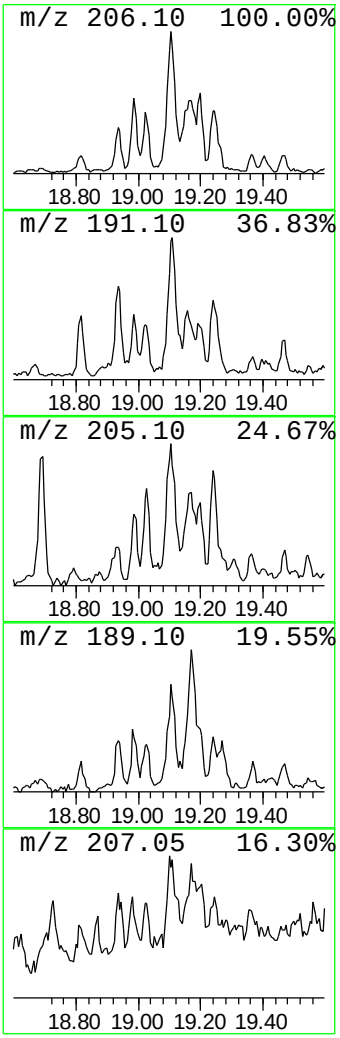
**********

Peak Number 17 di-p-Tolylacetylene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.10 | 2.77 ng/ul | 206384 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 81 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 80 |
| 4 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 80 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 74 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

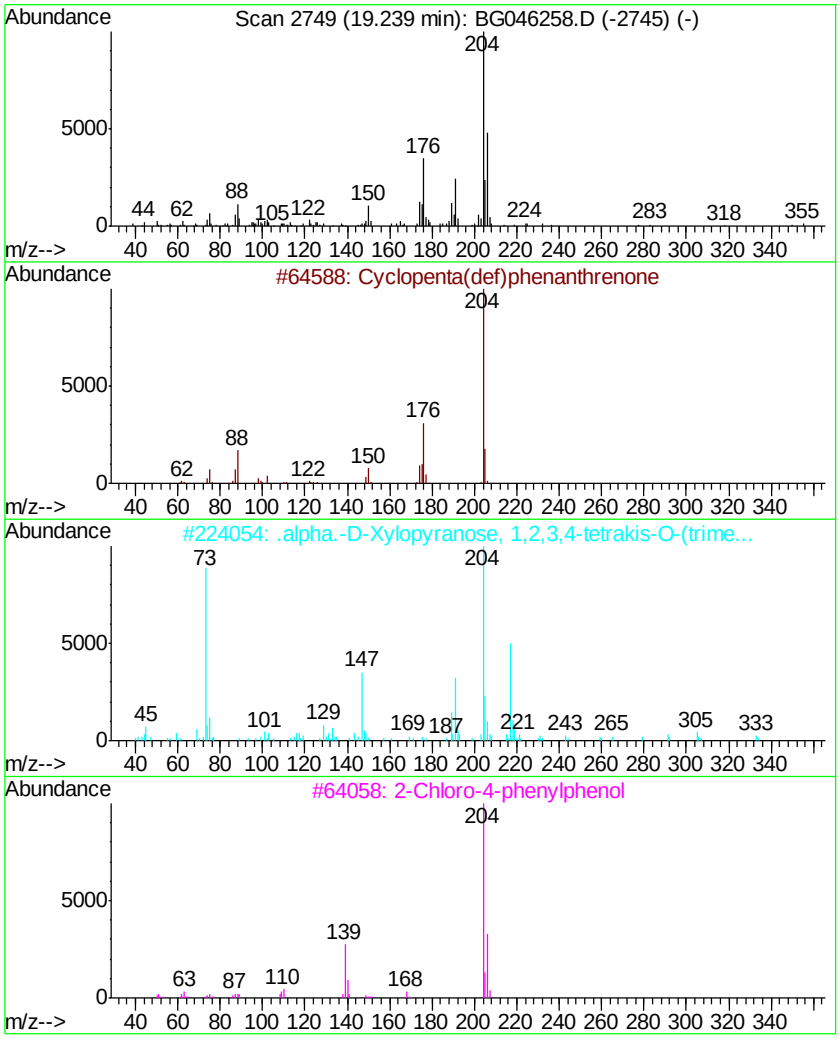
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

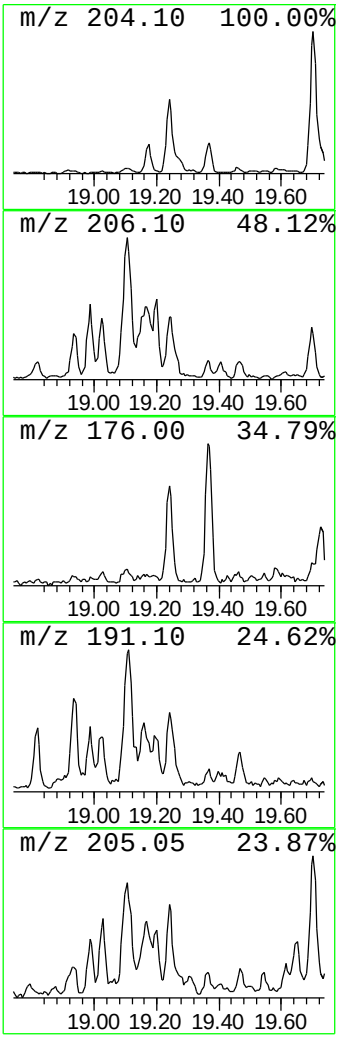
**********

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.24 | 2.08 ng/ul | 155313 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 60 |
| 2 | .alpha.-D-Xylopyranose, 1,2,3,4-... | 438 | C17H42O5Si4 | 014251-20-8 | 47 |
| 3 | 2-Chloro-4-phenylphenol | 204 | C12H9ClO | 000092-04-6 | 43 |
| 4 | Quinoline, 8-methoxy-5-nitro- | 204 | C10H8N2O3 | 1000298-88-7 | 43 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

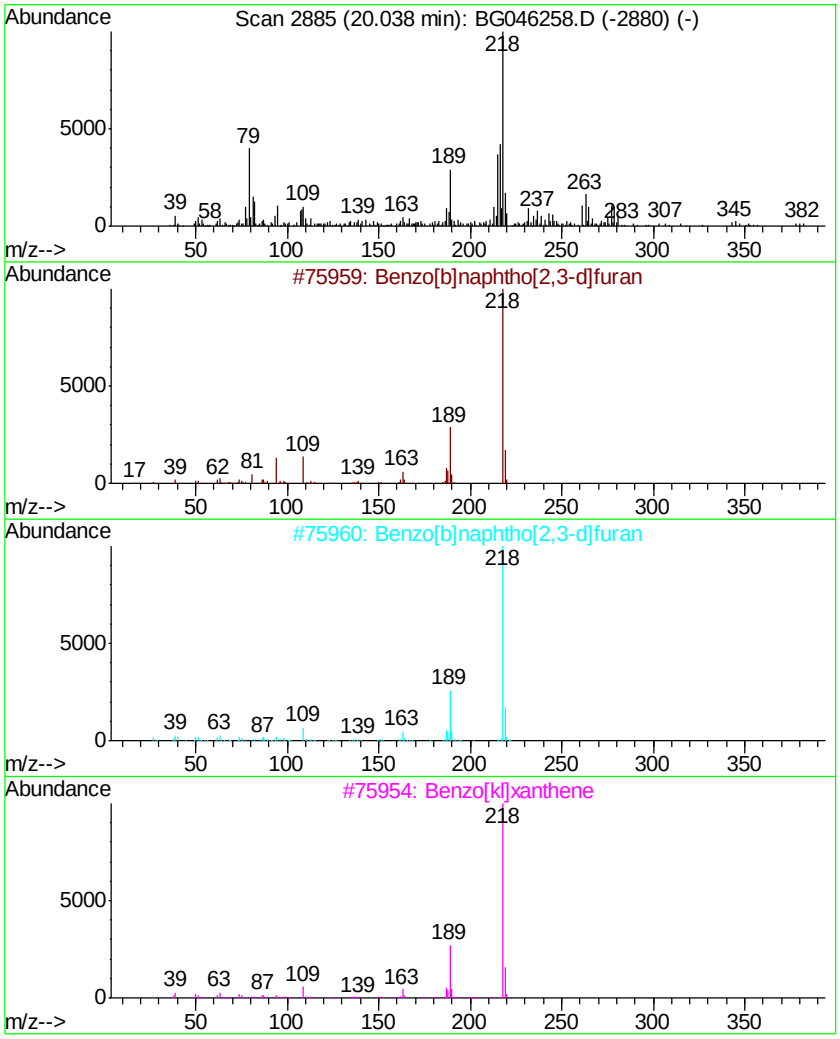
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

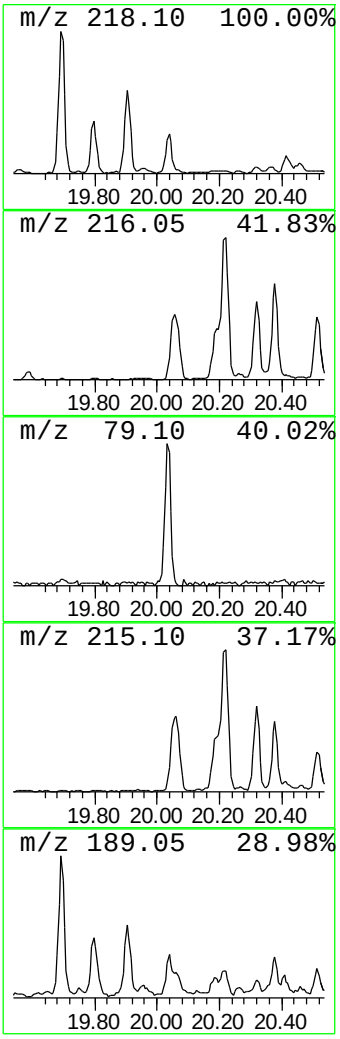
**********

Peak Number 19 unknown-08 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.04 | 3.17 ng/ul | 427750 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 46 |
| 2 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 46 |
| 3 | Benzo[kl]xanthene | 218 | C16H10O | 000200-23-7 | 46 |
| 4 | Indeno[2,1-b]chromene, | 218 | C16H10O | 000243-24-3 | 46 |
| 5 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 46 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

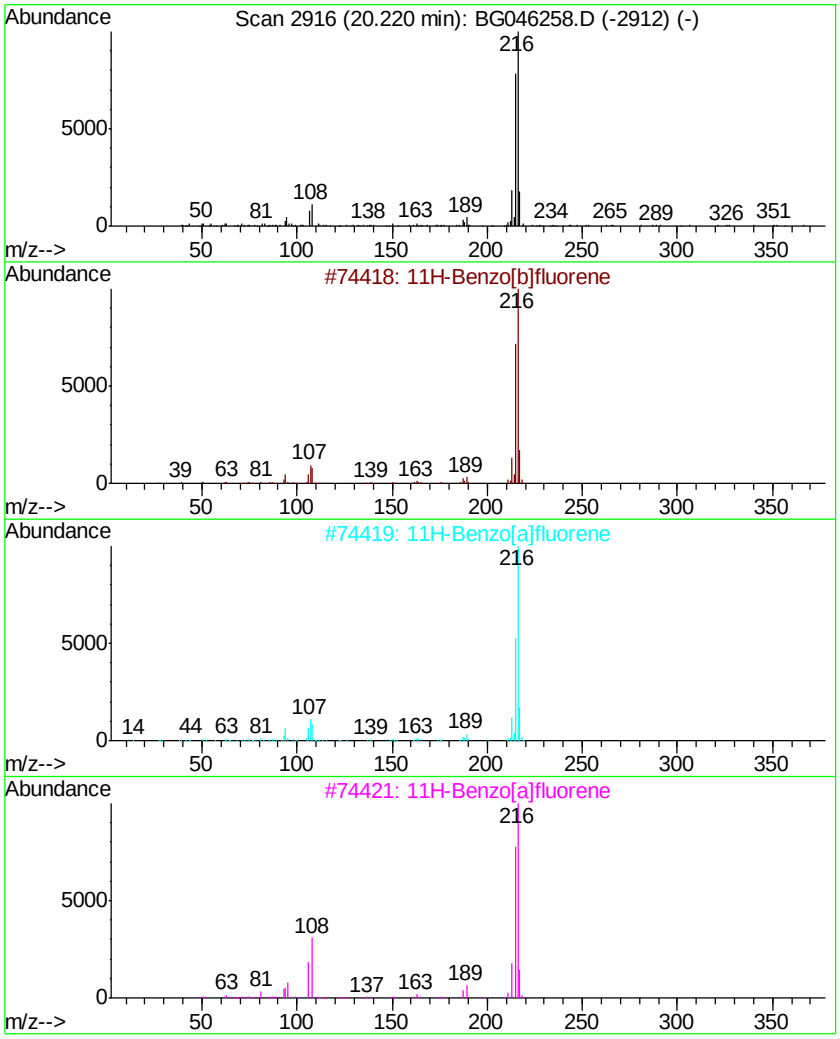
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

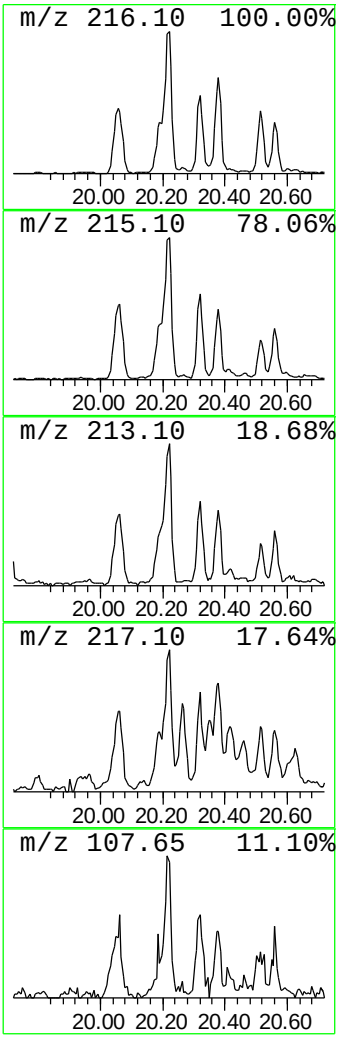
**********

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.22 | 2.01 ng/ul | 271393 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 97 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 94 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 83 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

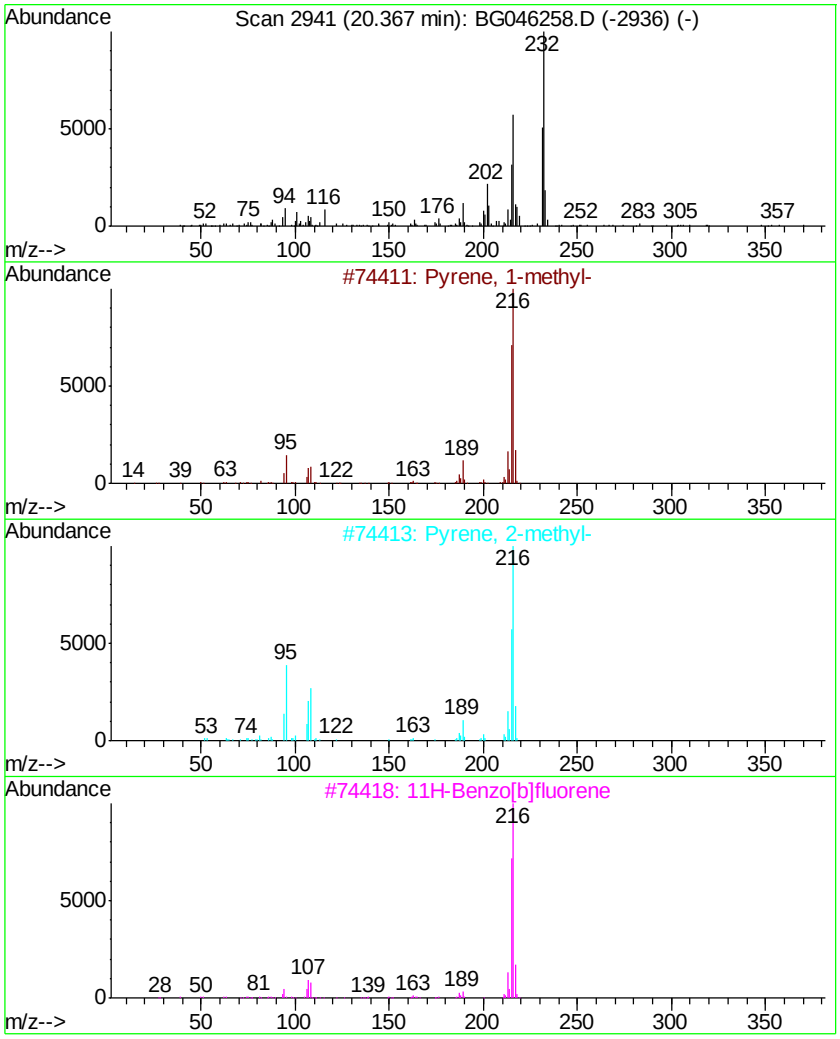
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

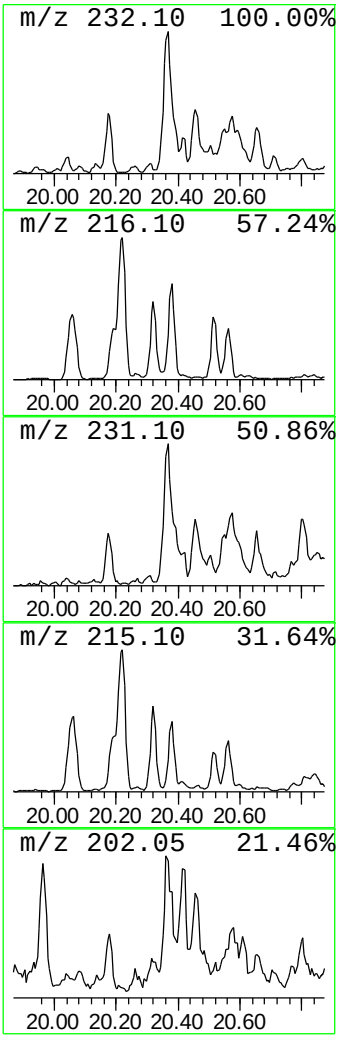
**********

Peak Number 21 Pyrene, 1-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.37 | 2.05 ng/ul | 276194 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 64 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 64 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 60 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 60 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

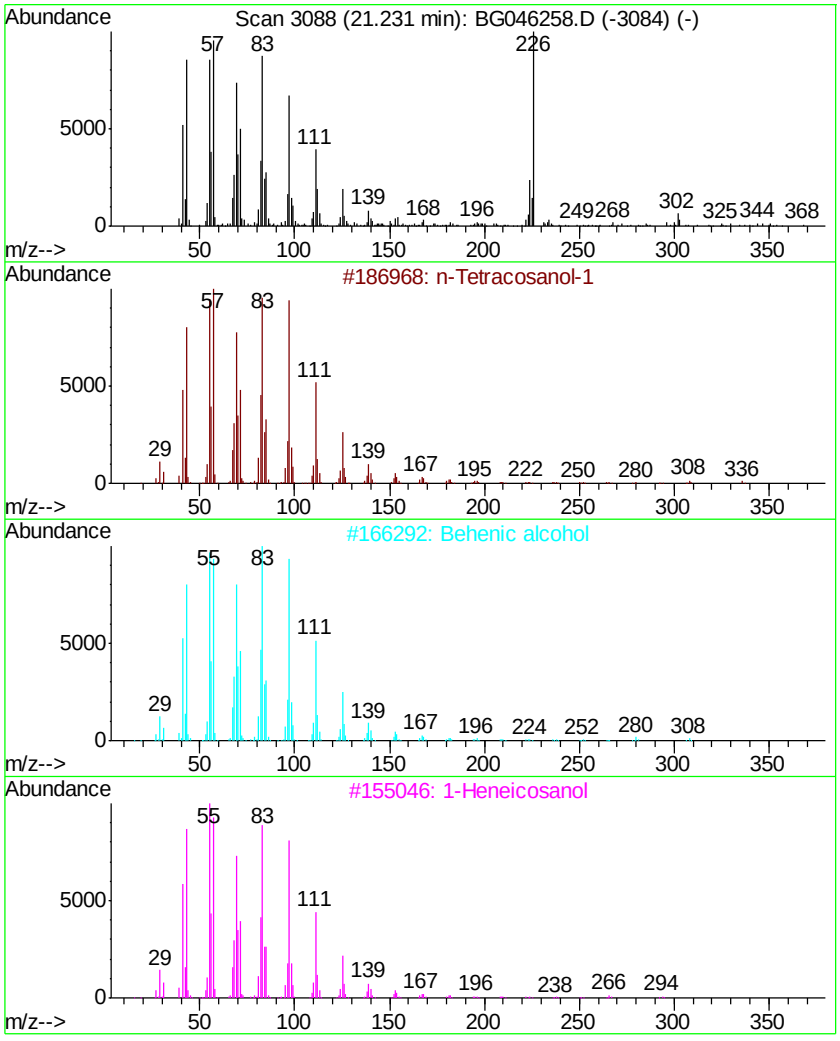
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

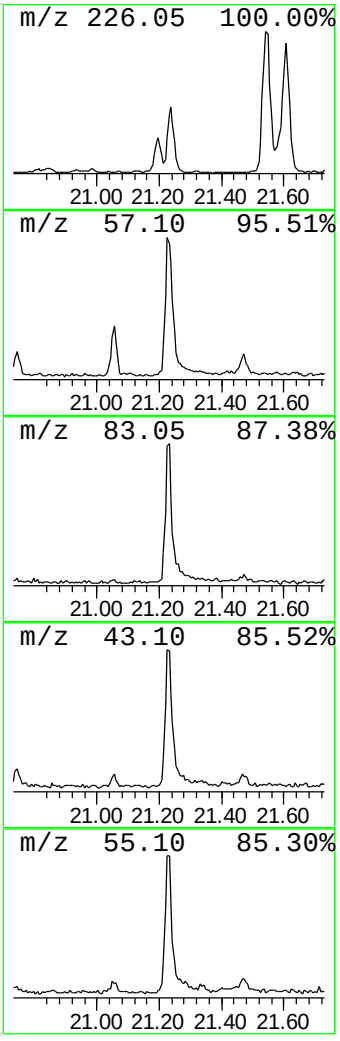
**********

Peak Number 22 n-Tetracosanol-1 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.23 | 3.64 ng/ul | 490918 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 86 |
| 4 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 70 |
| 5 | Octacosanol | 410 | C28H58O | 000557-61-9 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

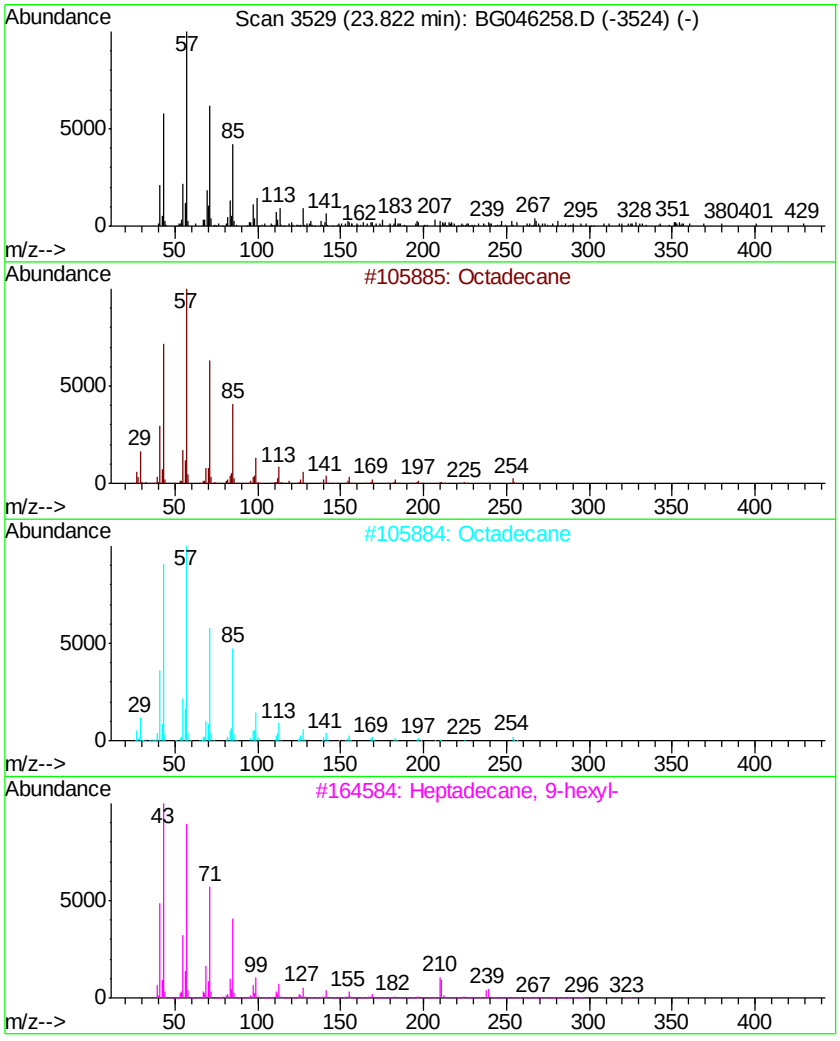
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

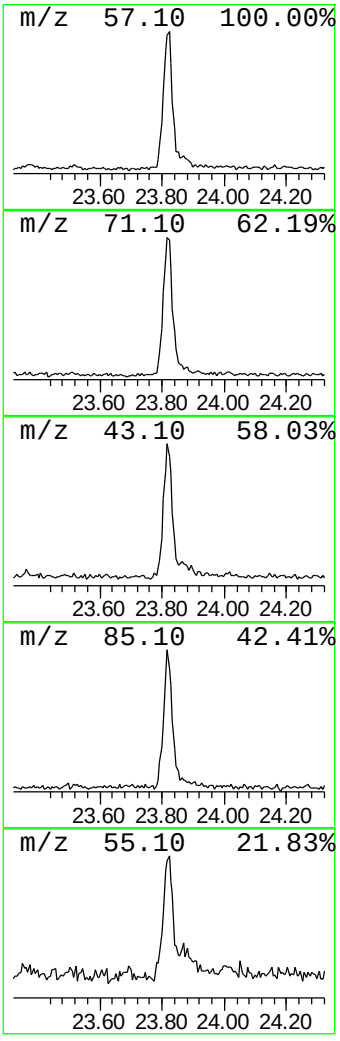
**********

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.82 | 2.41 ng/ul | 204905 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 96 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 94 |
| 3 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 93 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

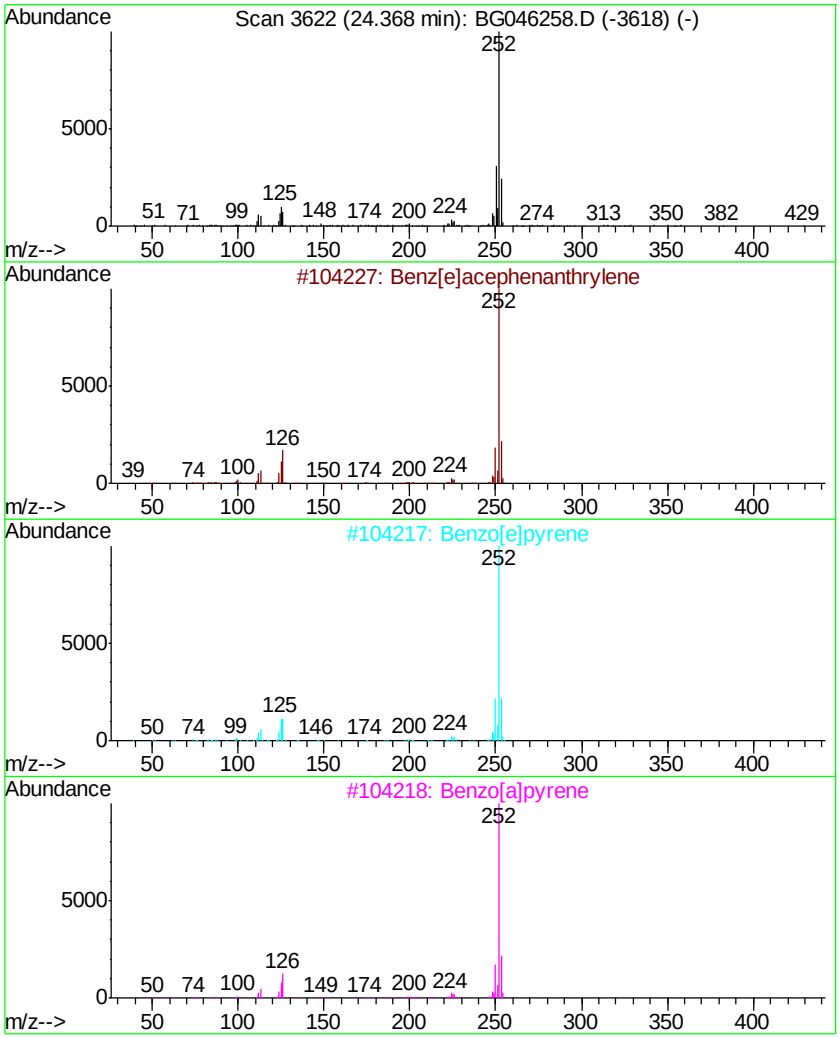
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

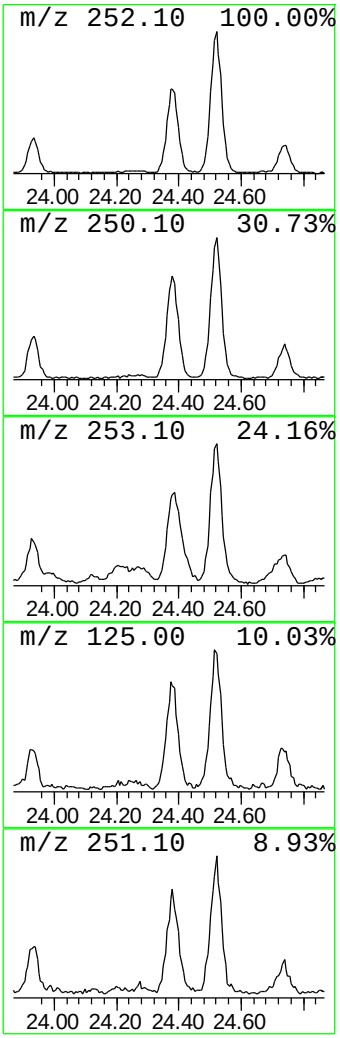
**********

Peak Number 24 Benzo[e]pyrene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.37 | 4.28 ng/ul | 363290 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 96 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 91 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081320\
Data File : BG046258.D
Acq On : 13 Aug 2020 21:03
Operator : CG/JU
Sample : L3629-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFM51

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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 |
| Butane, 2-methoxy... | 3.17 | 113.6 | ng/ul | 3537410 | 1 | 7.95 | 623058 | 20.0 |
| 4H-Imidazol-4-one... | 7.11 | 9.6 | ng/ul | 300086 | 1 | 7.95 | 623058 | 20.0 |
| unknown-01 | 7.28 | 7.7 | ng/ul | 240934 | 1 | 7.95 | 623058 | 20.0 |
| unknown-02 | 7.49 | 9.8 | ng/ul | 306244 | 1 | 7.95 | 623058 | 20.0 |
| Silane, dichlorom... | 8.65 | 11.5 | ng/ul | 358639 | 1 | 7.95 | 623058 | 20.0 |
| unknown-03 | 9.83 | 5.2 | ng/ul | 234310 | 2 | 10.74 | 907449 | 20.0 |
| unknown-04 | 10.87 | 6.5 | ng/ul | 295525 | 2 | 10.74 | 907449 | 20.0 |
| unknown-05 | 13.98 | 10.0 | ng/ul | 634811 | 3 | 14.57 | 1270480 | 20.0 |
| unknown-06 | 14.77 | 3.4 | ng/ul | 215316 | 3 | 14.57 | 1270480 | 20.0 |
| unknown-07 | 15.68 | 3.7 | ng/ul | 236494 | 3 | 14.57 | 1270480 | 20.0 |
| Anthracene, 2-met... | 18.19 | 3.6 | ng/ul | 266840 | 4 | 17.32 | 1492590 | 20.0 |
| Phenanthrene, 2-m... | 18.24 | 7.0 | ng/ul | 520882 | 4 | 17.32 | 1492590 | 20.0 |
| Phenanthrene, 1-m... | 18.32 | 2.2 | ng/ul | 167366 | 4 | 17.32 | 1492590 | 20.0 |
| 4H-Cyclopenta[def... | 18.39 | 5.6 | ng/ul | 416923 | 4 | 17.32 | 1492590 | 20.0 |
| Naphthalene, 2-ph... | 18.69 | 2.3 | ng/ul | 173852 | 4 | 17.32 | 1492590 | 20.0 |
| di-p-Tolylacetylene | 19.10 | 2.8 | ng/ul | 206384 | 4 | 17.32 | 1492590 | 20.0 |
| Cyclopenta(def)ph... | 19.24 | 2.1 | ng/ul | 155313 | 4 | 17.32 | 1492590 | 20.0 |
| unknown-08 | 20.04 | 3.2 | ng/ul | 427750 | 5 | 21.56 | 2695350 | 20.0 |
| 11H-Benzo[b]fluorene | 20.22 | 2.0 | ng/ul | 271393 | 5 | 21.56 | 2695350 | 20.0 |
| Pyrene, 1-methyl- | 20.37 | 2.0 | ng/ul | 276194 | 5 | 21.56 | 2695350 | 20.0 |
| n-Tetracosanol-1 | 21.23 | 3.6 | ng/ul | 490918 | 5 | 21.56 | 2695350 | 20.0 |
| (DEL) Alkane: Str... | 23.82 | 2.4 | ng/ul | 204905 | 6 | 24.67 | 1697570 | 20.0 |
| Benzo[e]pyrene | 24.37 | 4.3 | ng/ul | 363290 | 6 | 24.67 | 1697570 | 20.0 |