LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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 | 3.140 | 5 | 9 | 32 | rVB | 1422183 | 2211066 | 73.99% | 4.480% |
| 2 | 3.399 | 49 | 53 | 59 | rBV2 | 17714 | 26266 | 0.88% | 0.053% |
| 3 | 3.916 | 137 | 141 | 149 | rBV2 | 34782 | 49837 | 1.67% | 0.101% |
| 4 | 4.051 | 159 | 164 | 171 | rVB | 15118 | 24722 | 0.83% | 0.050% |
| 5 | 7.106 | 676 | 684 | 699 | rBV | 319229 | 570558 | 19.09% | 1.156% |
| 6 | 7.265 | 705 | 711 | 720 | rBV | 260318 | 429019 | 14.36% | 0.869% |
| 7 | 7.476 | 738 | 747 | 756 | rBV | 325669 | 577395 | 19.32% | 1.170% |
| 8 | 7.941 | 816 | 826 | 834 | rBV | 364783 | 598754 | 20.04% | 1.213% |
| 9 | 8.646 | 938 | 946 | 955 | rBV | 394074 | 682826 | 22.85% | 1.384% |
| 10 | 9.092 | 1014 | 1022 | 1030 | rBV | 316144 | 554728 | 18.56% | 1.124% |
| 11 | 9.180 | 1032 | 1037 | 1045 | rVB | 38729 | 60051 | 2.01% | 0.122% |
| 12 | 9.815 | 1138 | 1145 | 1155 | rBV | 269026 | 474626 | 15.88% | 0.962% |
| 13 | 10.355 | 1230 | 1237 | 1250 | rBV | 442427 | 793732 | 26.56% | 1.608% |
| 14 | 10.737 | 1293 | 1302 | 1308 | rBV | 501697 | 908176 | 30.39% | 1.840% |
| 15 | 10.866 | 1315 | 1324 | 1339 | rBV | 250345 | 491324 | 16.44% | 0.996% |
| 16 | 13.886 | 1834 | 1838 | 1843 | rVV2 | 14799 | 26395 | 0.88% | 0.053% |
| 17 | 13.969 | 1843 | 1852 | 1857 | rVV | 798499 | 1191184 | 39.86% | 2.414% |
| 18 | 14.016 | 1857 | 1860 | 1866 | rVV | 219965 | 303171 | 10.15% | 0.614% |
| 19 | 14.257 | 1894 | 1901 | 1914 | rBV | 955078 | 1581448 | 52.92% | 3.205% |
| 20 | 14.568 | 1944 | 1954 | 1961 | rBV | 844726 | 1317851 | 44.10% | 2.670% |
| 21 | 14.627 | 1961 | 1964 | 1972 | rVB2 | 17585 | 29493 | 0.99% | 0.060% |
| 22 | 14.762 | 1980 | 1987 | 2001 | rBV | 203468 | 380866 | 12.75% | 0.772% |
| 23 | 14.968 | 2017 | 2022 | 2027 | rVB2 | 24382 | 39629 | 1.33% | 0.080% |
| 24 | 15.561 | 2115 | 2123 | 2128 | rBV | 1221939 | 1913459 | 64.03% | 3.877% |
| 25 | 15.614 | 2128 | 2132 | 2136 | rVB4 | 36347 | 51108 | 1.71% | 0.104% |
| 26 | 15.673 | 2136 | 2142 | 2150 | rBV | 268606 | 400075 | 13.39% | 0.811% |
| 27 | 15.796 | 2157 | 2163 | 2166 | rBV3 | 16251 | 29008 | 0.97% | 0.059% |
| 28 | 15.908 | 2176 | 2182 | 2191 | rVB | 21477 | 40668 | 1.36% | 0.082% |
| 29 | 16.060 | 2201 | 2208 | 2214 | rVB2 | 18481 | 42602 | 1.43% | 0.086% |
| 30 | 16.290 | 2241 | 2247 | 2250 | rBV5 | 21830 | 36819 | 1.23% | 0.075% |
| 31 | 16.619 | 2300 | 2303 | 2308 | rVV6 | 13856 | 25097 | 0.84% | 0.051% |
| 32 | 16.848 | 2333 | 2342 | 2346 | rBV4 | 21553 | 43868 | 1.47% | 0.089% |
| 33 | 16.889 | 2346 | 2349 | 2356 | rVB6 | 18360 | 34036 | 1.14% | 0.069% |
| 34 | 16.965 | 2356 | 2362 | 2369 | rVB3 | 45778 | 80054 | 2.68% | 0.162% |

LSC Area Percent Report

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Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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 | 17.047 | 2369 | 2376 | 2380 | rBV3 | 19863 | 46533 | 1.56% | 0.094% |
| 36 | 17.124 | 2386 | 2389 | 2396 | rVB2 | 26978 | 43979 | 1.47% | 0.089% |
| 37 | 17.212 | 2399 | 2404 | 2408 | rBV5 | 17650 | 27730 | 0.93% | 0.056% |
| 38 | 17.306 | 2411 | 2420 | 2424 | rVV | 1001078 | 1565458 | 52.39% | 3.172% |
| 39 | 17.353 | 2424 | 2428 | 2432 | rVV | 519161 | 767144 | 25.67% | 1.554% |
| 40 | 17.406 | 2432 | 2437 | 2449 | rVV | 1262155 | 2029502 | 67.92% | 4.112% |
| 41 | 17.500 | 2449 | 2453 | 2459 | rVB4 | 24652 | 41772 | 1.40% | 0.085% |
| 42 | 17.623 | 2470 | 2474 | 2480 | rVB3 | 16521 | 27039 | 0.90% | 0.055% |
| 43 | 17.706 | 2480 | 2488 | 2493 | rBV2 | 43625 | 93637 | 3.13% | 0.190% |
| 44 | 17.823 | 2503 | 2508 | 2514 | rVB4 | 25947 | 44083 | 1.48% | 0.089% |
| 45 | 17.888 | 2515 | 2519 | 2523 | rVV3 | 24289 | 29391 | 0.98% | 0.060% |
| 46 | 18.187 | 2559 | 2570 | 2572 | rBV | 120994 | 217503 | 7.28% | 0.441% |
| 47 | 18.211 | 2572 | 2574 | 2575 | rBV | 66204 | 56651 | 1.90% | 0.115% |
| 48 | 18.311 | 2587 | 2591 | 2596 | rVB | 34168 | 51552 | 1.73% | 0.104% |
| 49 | 18.375 | 2596 | 2602 | 2606 | rBV3 | 160792 | 297614 | 9.96% | 0.603% |
| 50 | 18.416 | 2606 | 2609 | 2614 | rVB | 91536 | 127184 | 4.26% | 0.258% |
| 51 | 18.681 | 2649 | 2654 | 2657 | rBV | 113922 | 159544 | 5.34% | 0.323% |
| 52 | 18.716 | 2657 | 2660 | 2669 | rVV | 121650 | 175635 | 5.88% | 0.356% |
| 53 | 18.810 | 2672 | 2676 | 2683 | rBV5 | 15917 | 34550 | 1.16% | 0.070% |
| 54 | 18.928 | 2689 | 2696 | 2700 | rBV3 | 47265 | 75385 | 2.52% | 0.153% |
| 55 | 18.980 | 2701 | 2705 | 2708 | rBV | 33528 | 47479 | 1.59% | 0.096% |
| 56 | 19.016 | 2708 | 2711 | 2716 | rVB2 | 38251 | 49592 | 1.66% | 0.100% |
| 57 | 19.098 | 2720 | 2725 | 2730 | rBV | 111385 | 182607 | 6.11% | 0.370% |
| 58 | 19.169 | 2730 | 2737 | 2739 | rBV4 | 38434 | 91334 | 3.06% | 0.185% |
| 59 | 19.239 | 2744 | 2749 | 2757 | rVB | 108701 | 195428 | 6.54% | 0.396% |
| 60 | 19.362 | 2762 | 2770 | 2776 | rVB | 1377699 | 1981374 | 66.30% | 4.015% |
| 61 | 19.421 | 2777 | 2780 | 2783 | rBV | 37819 | 46222 | 1.55% | 0.094% |
| 62 | 19.456 | 2783 | 2786 | 2790 | rVB | 38247 | 48038 | 1.61% | 0.097% |
| 63 | 19.509 | 2791 | 2795 | 2799 | rBV | 53875 | 72031 | 2.41% | 0.146% |
| 64 | 19.556 | 2799 | 2803 | 2805 | rBV2 | 45911 | 63094 | 2.11% | 0.128% |
| 65 | 19.603 | 2808 | 2811 | 2814 | rVB | 28402 | 33146 | 1.11% | 0.067% |
| 66 | 19.691 | 2820 | 2826 | 2829 | rBV3 | 1725135 | 2765478 | 92.54% | 5.604% |
| 67 | 19.721 | 2829 | 2831 | 2839 | rVB | 1386860 | 1703946 | 57.02% | 3.453% |
| 68 | 19.797 | 2839 | 2844 | 2848 | rBV2 | 72004 | 121637 | 4.07% | 0.246% |
| 69 | 19.897 | 2857 | 2861 | 2867 | rBV | 67596 | 99214 | 3.32% | 0.201% |
| 70 | 19.956 | 2868 | 2871 | 2877 | rVB2 | 64267 | 89728 | 3.00% | 0.182% |
| 71 | 20.044 | 2880 | 2886 | 2893 | rBV3 | 132293 | 360027 | 12.05% | 0.730% |

LSC Area Percent Report

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Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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 | 20.179 | 2905 | 2909 | 2911 | rBV3 | 81950 | 130585 | 4.37% | 0.265% |
| 73 | 20.208 | 2911 | 2914 | 2918 | rVB2 | 194679 | 278878 | 9.33% | 0.565% |
| 74 | 20.314 | 2928 | 2932 | 2935 | rBV | 88658 | 122086 | 4.09% | 0.247% |
| 75 | 20.373 | 2936 | 2942 | 2945 | rBV2 | 156306 | 258755 | 8.66% | 0.524% |
| 76 | 20.508 | 2962 | 2965 | 2969 | rBV | 110538 | 137966 | 4.62% | 0.280% |
| 77 | 20.561 | 2969 | 2974 | 2978 | rVV3 | 141298 | 222364 | 7.44% | 0.451% |
| 78 | 20.966 | 3038 | 3043 | 3050 | rVB | 186596 | 295911 | 9.90% | 0.600% |
| 79 | 21.143 | 3067 | 3073 | 3077 | rBV2 | 109471 | 254300 | 8.51% | 0.515% |
| 80 | 21.190 | 3077 | 3081 | 3083 | rVV | 138549 | 201058 | 6.73% | 0.407% |
| 81 | 21.219 | 3083 | 3086 | 3094 | rVV4 | 568202 | 1043039 | 34.90% | 2.114% |
| 82 | 21.290 | 3094 | 3098 | 3106 | rVB | 165946 | 294827 | 9.87% | 0.597% |
| 83 | 21.554 | 3135 | 3143 | 3148 | rBV2 | 1245153 | 2988293 | 100.00% | 6.055% |
| 84 | 21.601 | 3148 | 3151 | 3163 | rVB | 701635 | 1056989 | 35.37% | 2.142% |
| 85 | 21.765 | 3173 | 3179 | 3182 | rBV3 | 115349 | 243267 | 8.14% | 0.493% |
| 86 | 21.948 | 3206 | 3210 | 3216 | rBV2 | 80721 | 151527 | 5.07% | 0.307% |
| 87 | 22.265 | 3261 | 3264 | 3269 | rVB | 137931 | 222407 | 7.44% | 0.451% |
| 88 | 22.365 | 3273 | 3281 | 3289 | rVV6 | 196868 | 553761 | 18.53% | 1.122% |
| 89 | 22.523 | 3306 | 3308 | 3313 | rVB | 49262 | 71380 | 2.39% | 0.145% |
| 90 | 23.358 | 3446 | 3450 | 3460 | rVB3 | 144392 | 298246 | 9.98% | 0.604% |
| 91 | 23.681 | 3497 | 3505 | 3513 | rBV3 | 514662 | 1746063 | 58.43% | 3.538% |
| 92 | 23.804 | 3521 | 3526 | 3530 | rBV | 273731 | 497317 | 16.64% | 1.008% |
| 93 | 23.857 | 3530 | 3535 | 3543 | rVB2 | 373910 | 762081 | 25.50% | 1.544% |
| 94 | 24.380 | 3617 | 3624 | 3629 | rBV | 283178 | 685705 | 22.95% | 1.389% |
| 95 | 24.451 | 3629 | 3636 | 3643 | rVV | 813533 | 2093887 | 70.07% | 4.243% |
| 96 | 24.515 | 3643 | 3647 | 3662 | rVB | 465485 | 1127690 | 37.74% | 2.285% |
| 97 | 24.662 | 3664 | 3672 | 3679 | rBV2 | 620327 | 1636898 | 54.78% | 3.317% |
| 98 | 25.808 | 3859 | 3867 | 3877 | rVB2 | 286793 | 790324 | 26.45% | 1.601% |
| 99 | 25.919 | 3880 | 3886 | 3908 | rVB8 | 147125 | 621855 | 20.81% | 1.260% |
| 100 | 28.176 | 4262 | 4270 | 4286 | rVB3 | 169161 | 680732 | 22.78% | 1.379% |

Sum of corrected areas: 49350363

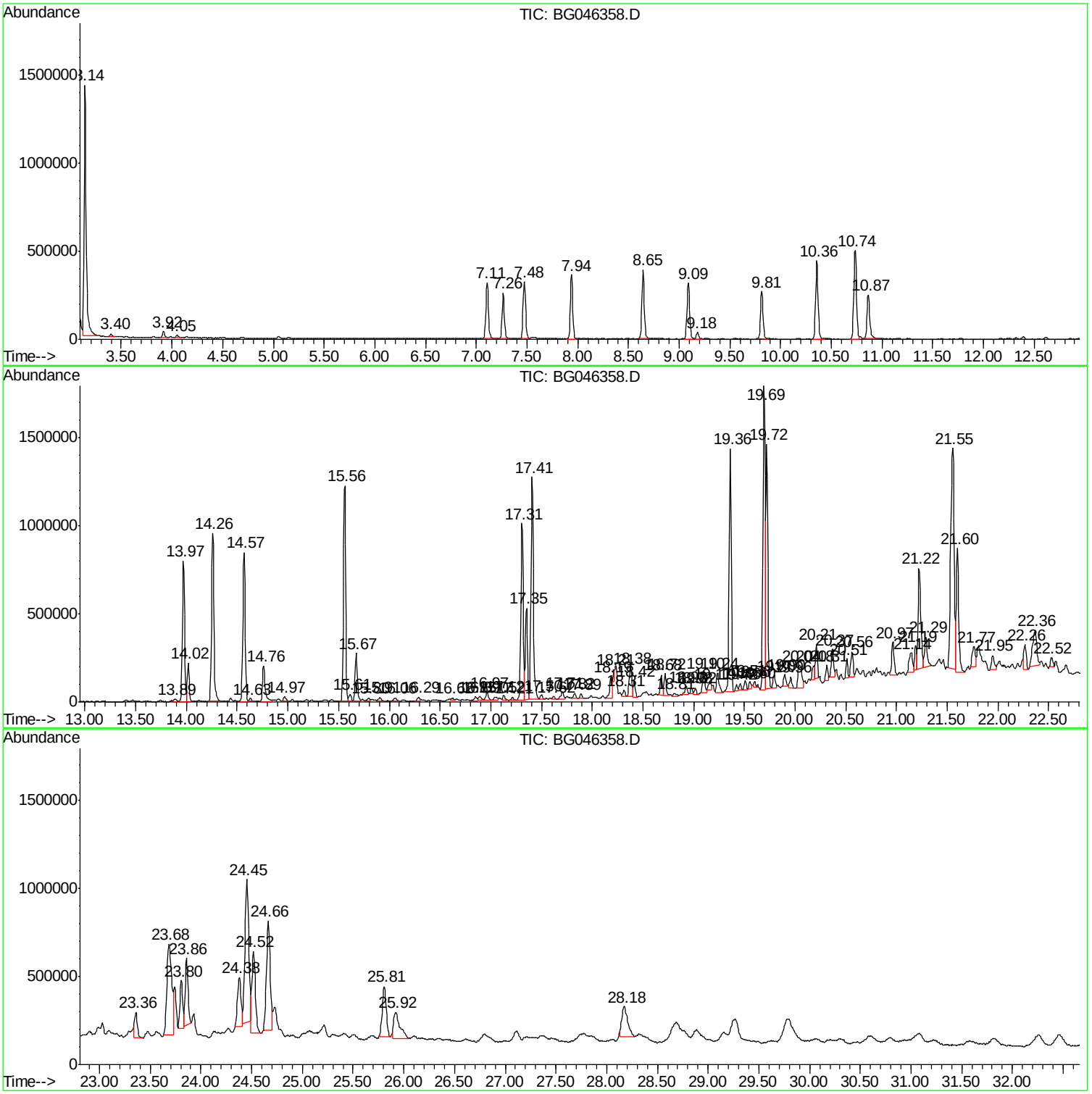
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

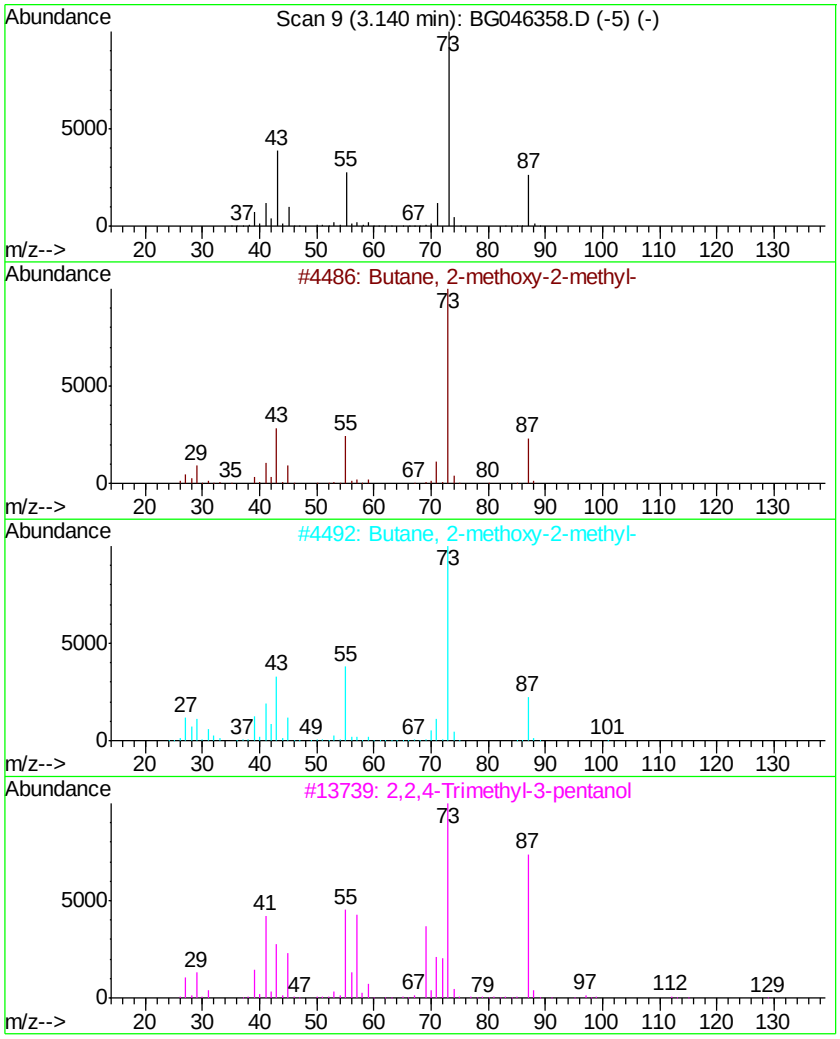
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

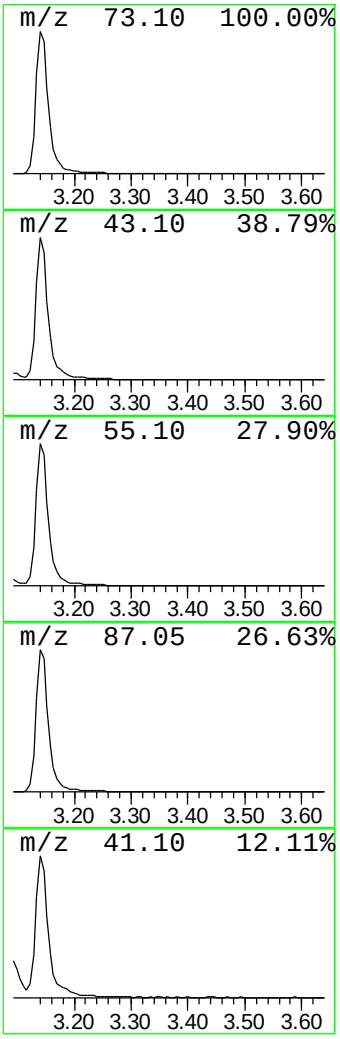
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.14 | 73.86 ng/ul | 2211070 | 1,4-Dichlorobenzene-d4 | 7.94 |

| 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 | 72 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 38 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 35 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 28 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

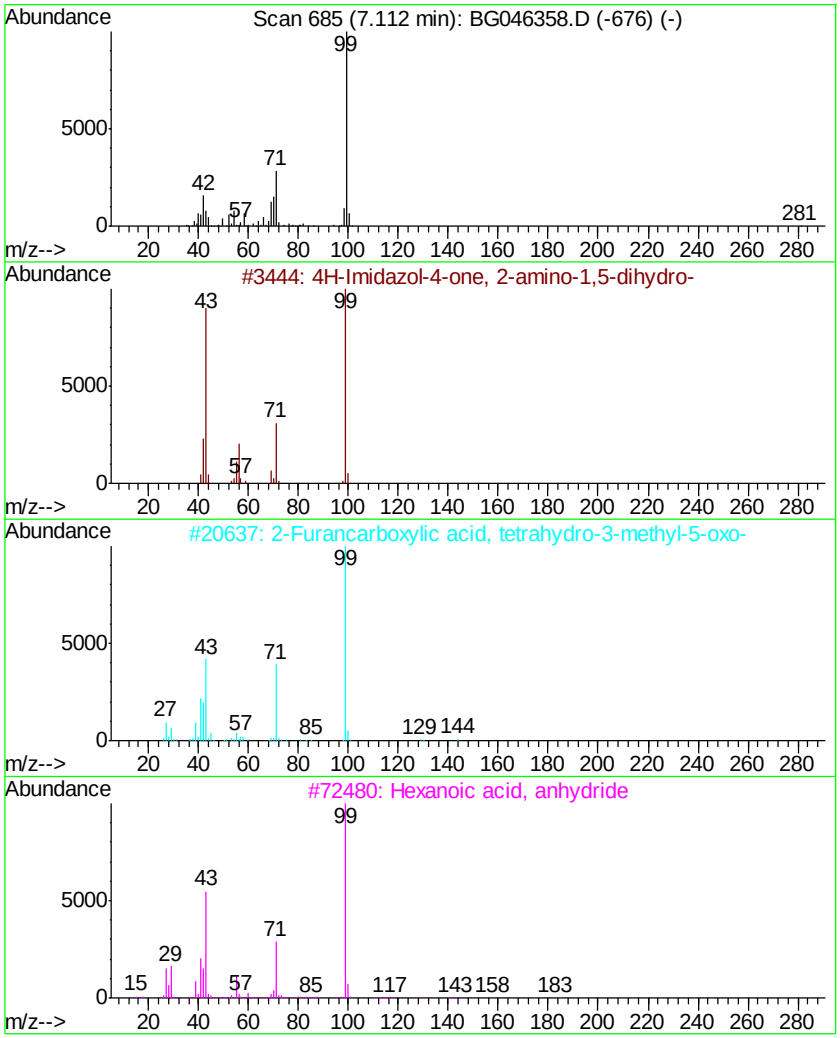
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

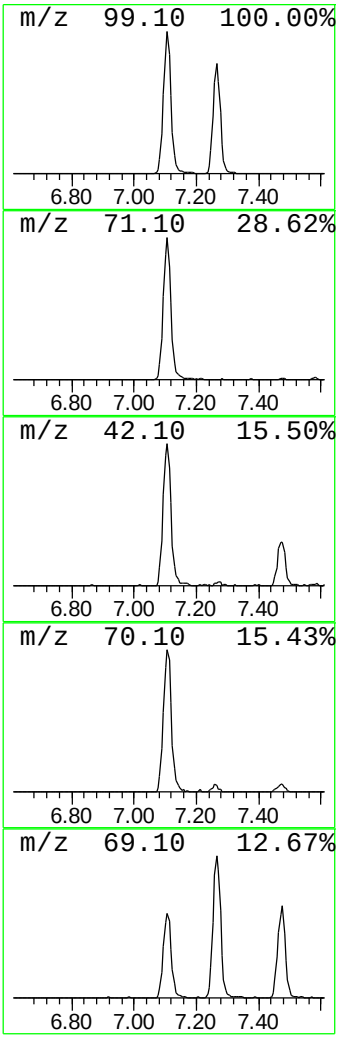
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.11 | 19.06 ng/ul | 570558 | 1,4-Dichlorobenzene-d4 | 7.94 |

| 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 | 2-Furancarboxylic acid, tetrahyd... | 144 | C6H8O4 | 022073-04-7 | 59 |
| 3 | Hexanoic acid, anhydride | 214 | C12H22O3 | 002051-49-2 | 50 |
| 4 | Hexanoic acid, anhydride | 214 | C12H22O3 | 002051-49-2 | 50 |
| 5 | n-Heptyl methylphosphonofluoridate | 196 | C8H18FO2P | 162085-82-7 | 42 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

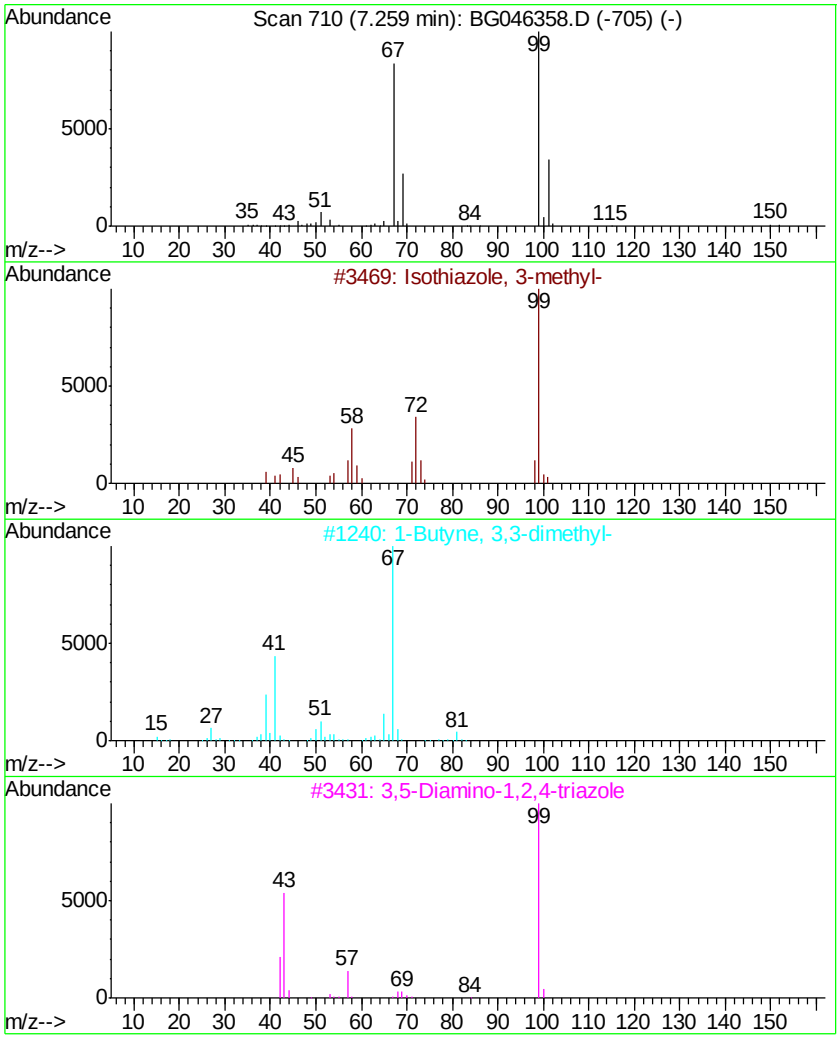
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

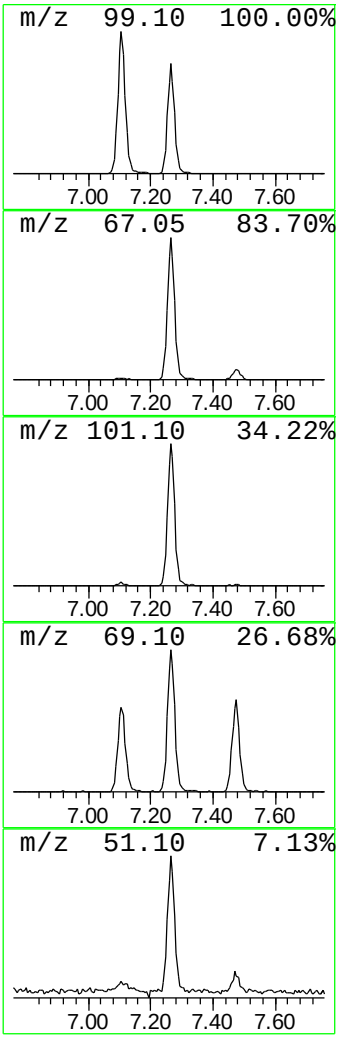
**********

Peak Number 3 unknown-01 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.26 | 14.33 ng/ul | 429019 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isothiazole, 3-methyl- | 99 | C4H5NS | 000693-92-5 | 9 |
| 2 | 1-Butyne, 3,3-dimethyl- | 82 | C6H10 | 000917-92-0 | 9 |
| 3 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 7 |
| 4 | 1-Pentanamine, 5-(methylthio)- | 133 | C6H15NS | 055021-78-8 | 7 |
| 5 | Methyl 2-butynoate | 98 | C5H6O2 | 023326-27-4 | 5 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Acq On : 19 Aug 2020 22:47
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Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

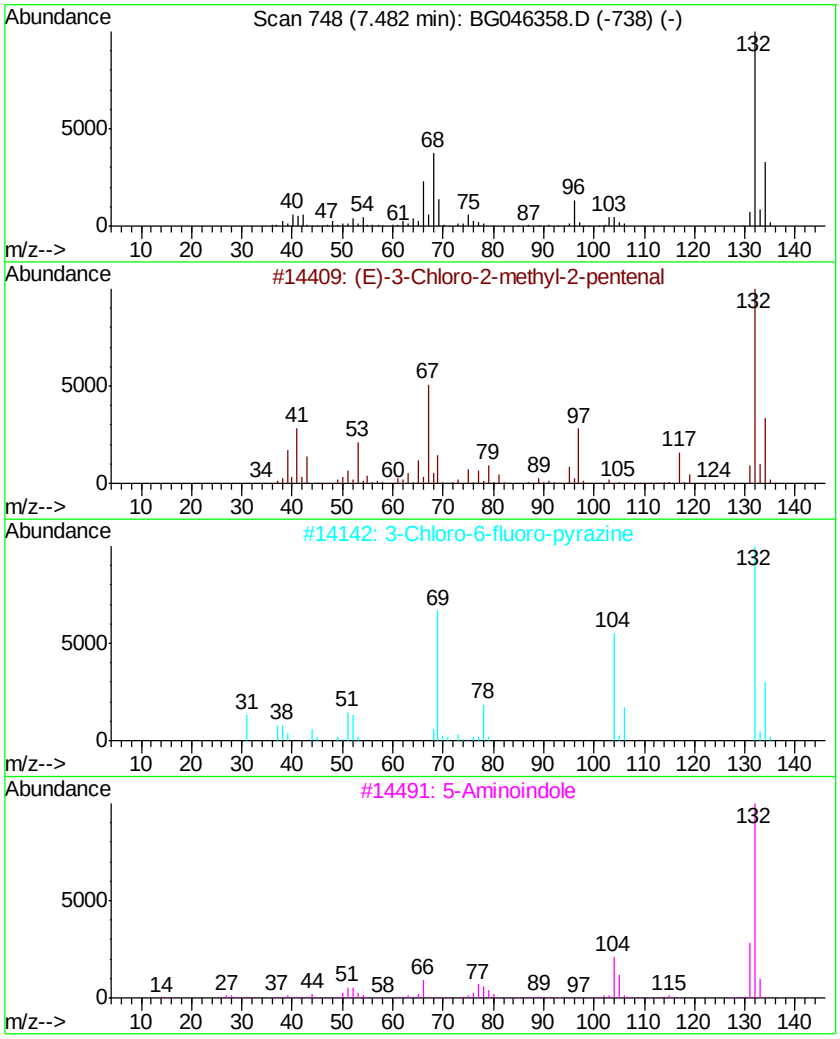
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

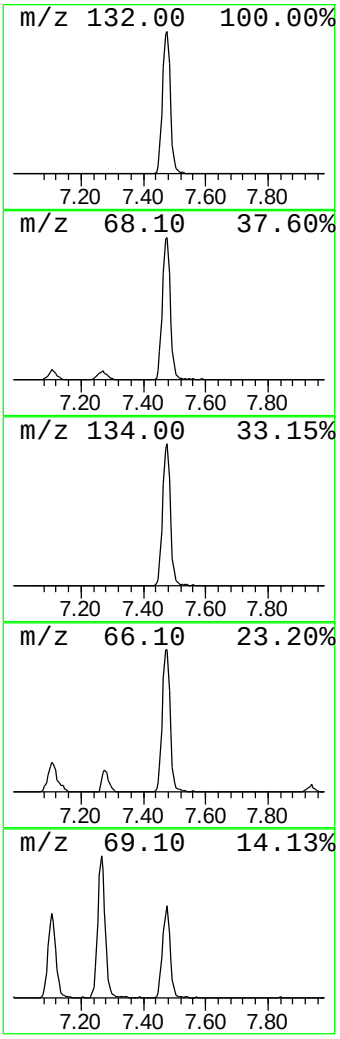
**********

Peak Number 4 unknown-02 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.48 | 19.29 ng/ul | 577395 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 30 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

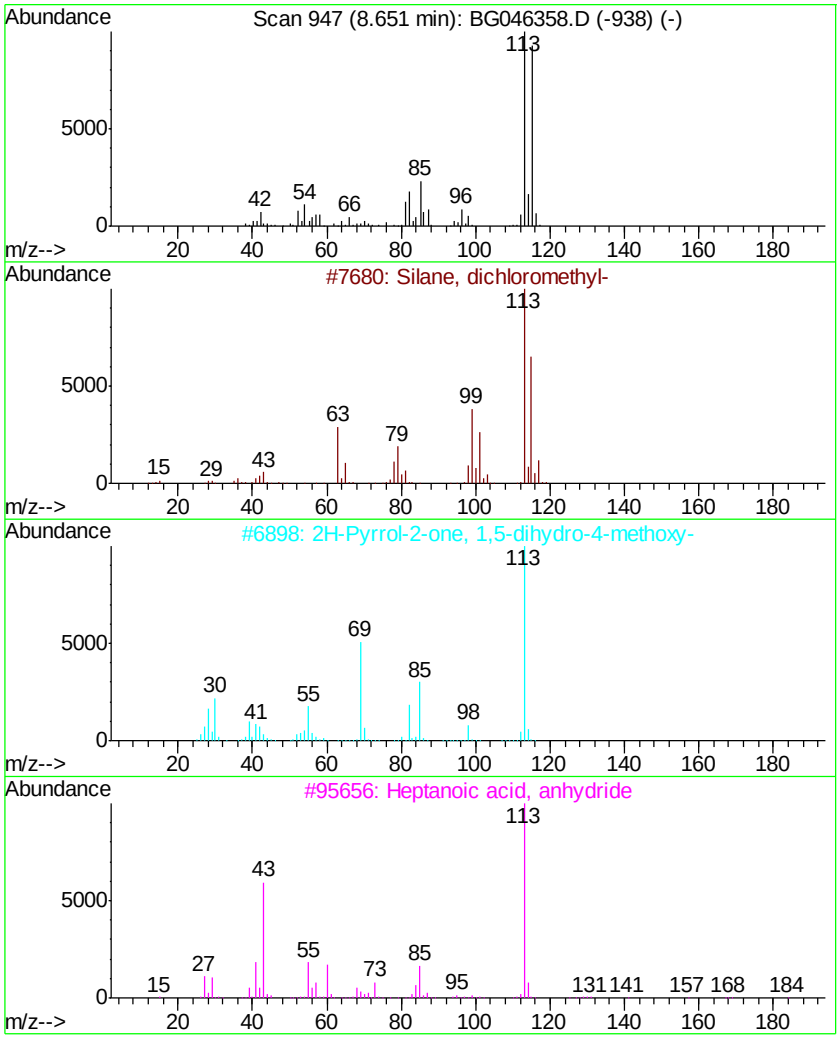
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

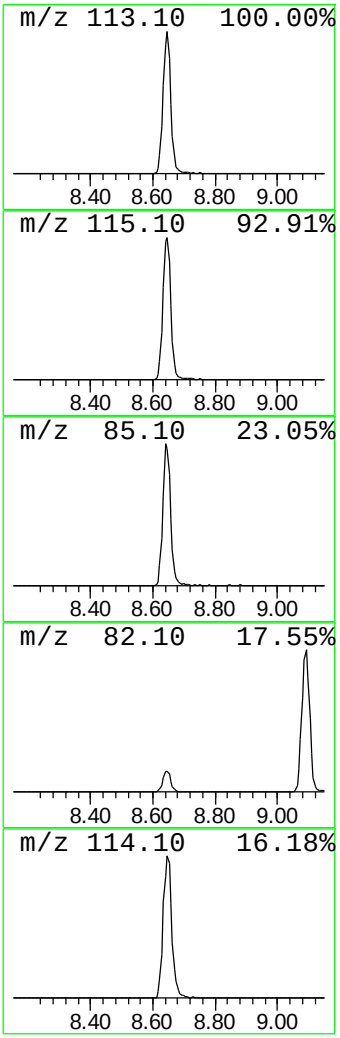
**********

Peak Number 5 unknown-03 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.65 | 22.81 ng/ul | 682826 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dichloromethyl- | 114 | CH4Cl2Si | 000075-54-7 | 38 |
| 2 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 32 |
| 3 | Heptanoic acid, anhydride | 242 | C14H26O3 | 000626-27-7 | 25 |
| 4 | 3,4-Methylpropylsuccinimide | 155 | C8H13NO2 | 1000248-78-0 | 25 |
| 5 | Piperidine-2,5-dione | 113 | C5H7NO2 | 052065-78-8 | 17 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

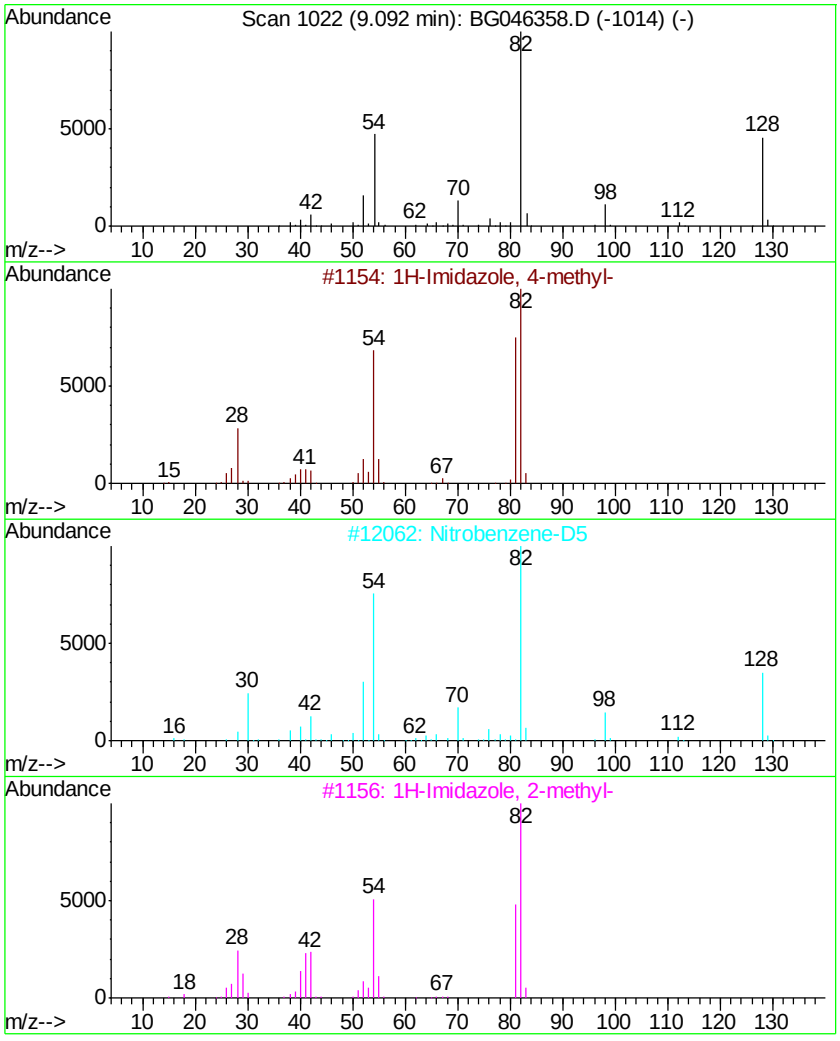
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

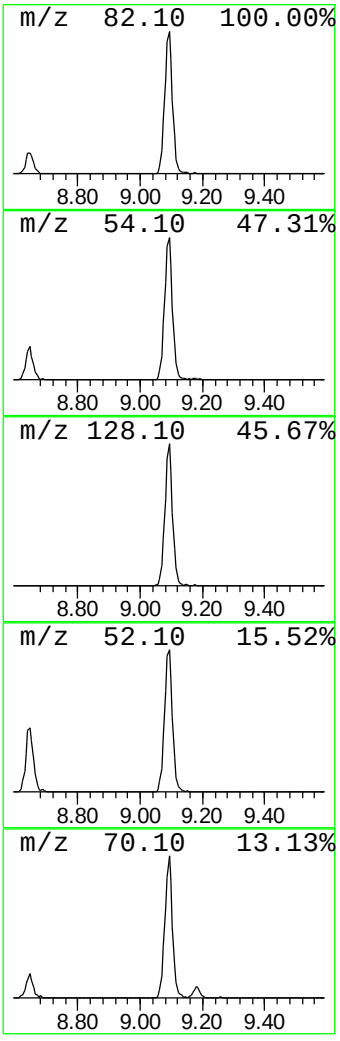
**********

Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 18.53 ng/ul | 554728 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Imidazole, 4-methyl- | 82 | C4H6N2 | 000822-36-6 | 50 |
| 2 | Nitrobenzene-D5 | 128 | C6D5NO2 | 004165-60-0 | 43 |
| 3 | 1H-Imidazole, 2-methyl- | 82 | C4H6N2 | 000693-98-1 | 33 |
| 4 | Nitrobenzene-D5 | 128 | C6D5NO2 | 004165-60-0 | 16 |
| 5 | Dehydromevalonic lactone | 112 | C6H8O2 | 002381-87-5 | 9 |



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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

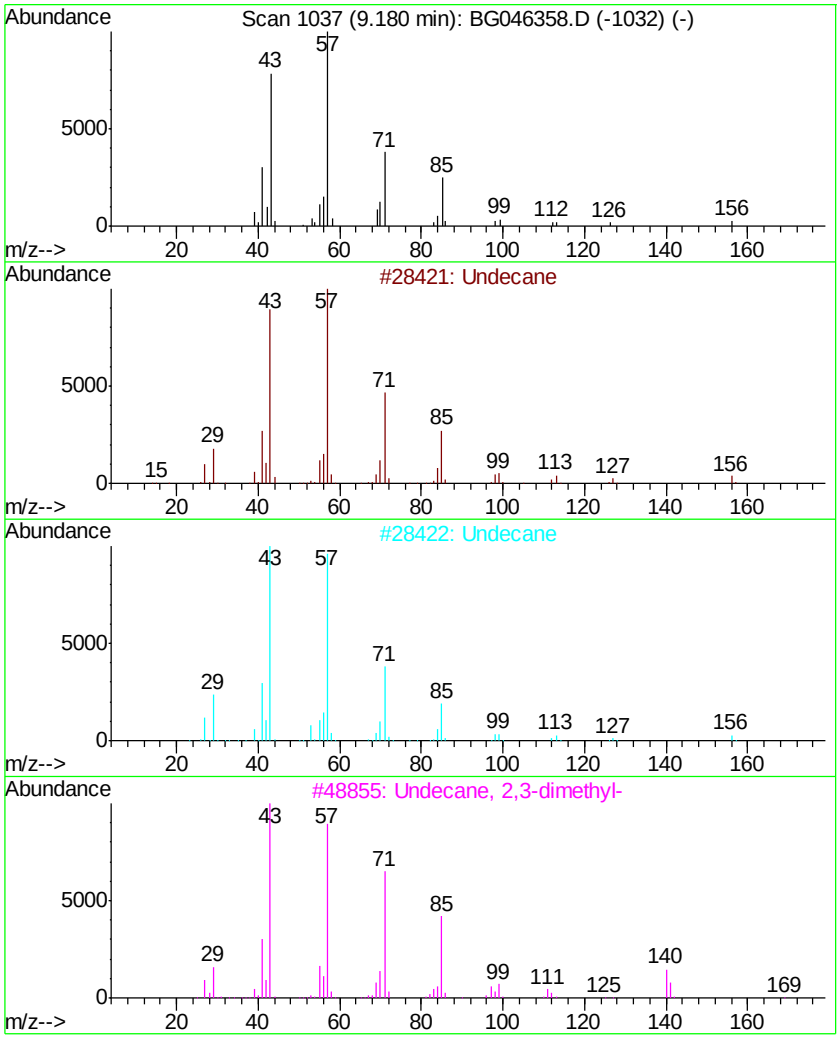
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

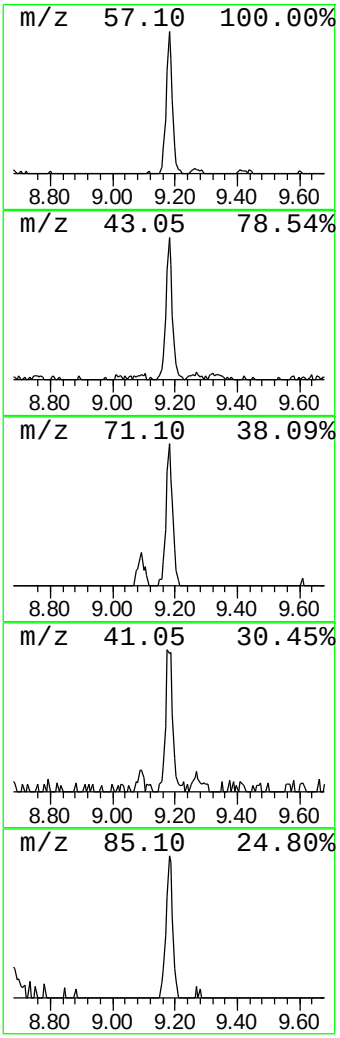
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.18 | 2.01 ng/ul | 60051 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 91 |
| 2 | Undecane | 156 | C11H24 | 001120-21-4 | 83 |
| 3 | Undecane, 2,3-dimethyl- | 184 | C13H28 | 017312-77-5 | 78 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |



# Library Search Compound Report

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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

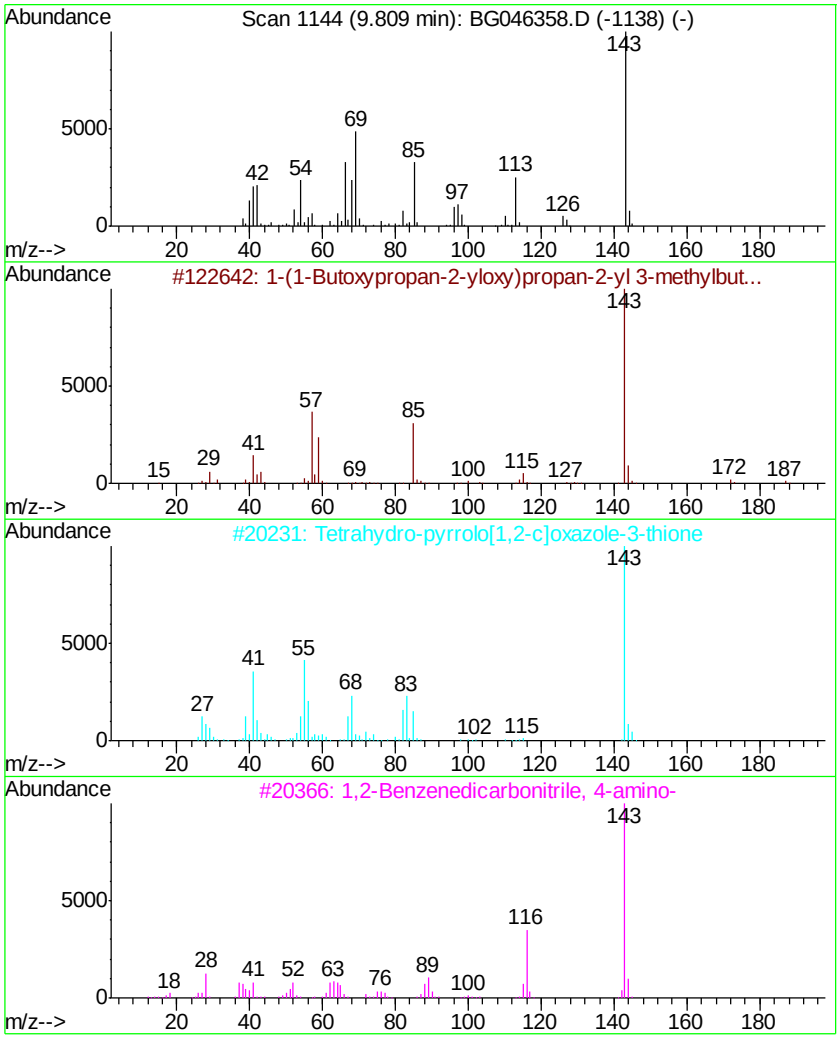
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

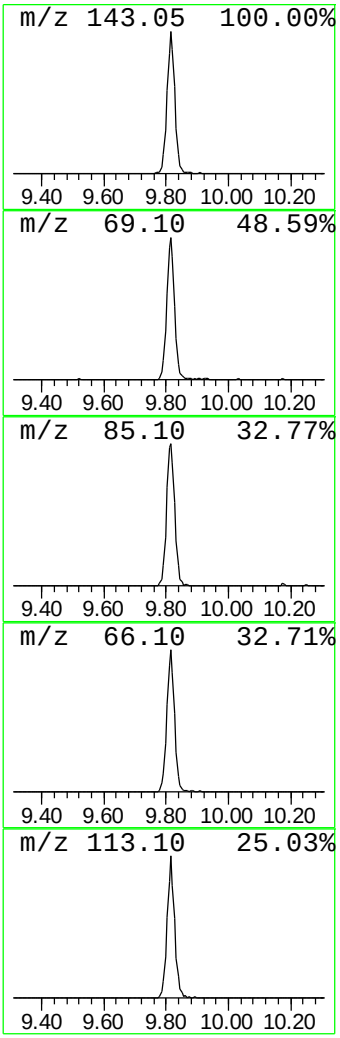
**********

Peak Number 8 unknown-04 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.81 | 10.45 ng/ul | 474626 | 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 | Tetrahydro-pyrrolo[1,2-c]oxazole... | 143 | C6H9NOS | 1000190-53-6 | 17 |
| 3 | 1,2-Benzenedicarbonitrile, 4-amino- | 143 | C8H5N3 | 056765-79-8 | 14 |
| 4 | 1-(1-Butoxypropan-2-yloxy)propan... | 274 | C15H30O4 | 1000367-13-0 | 12 |
| 5 | 3H-1,2,4-Triazole-3-thione,2,4-d... | 143 | C5H9N3S | 037526-42-4 | 12 |



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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

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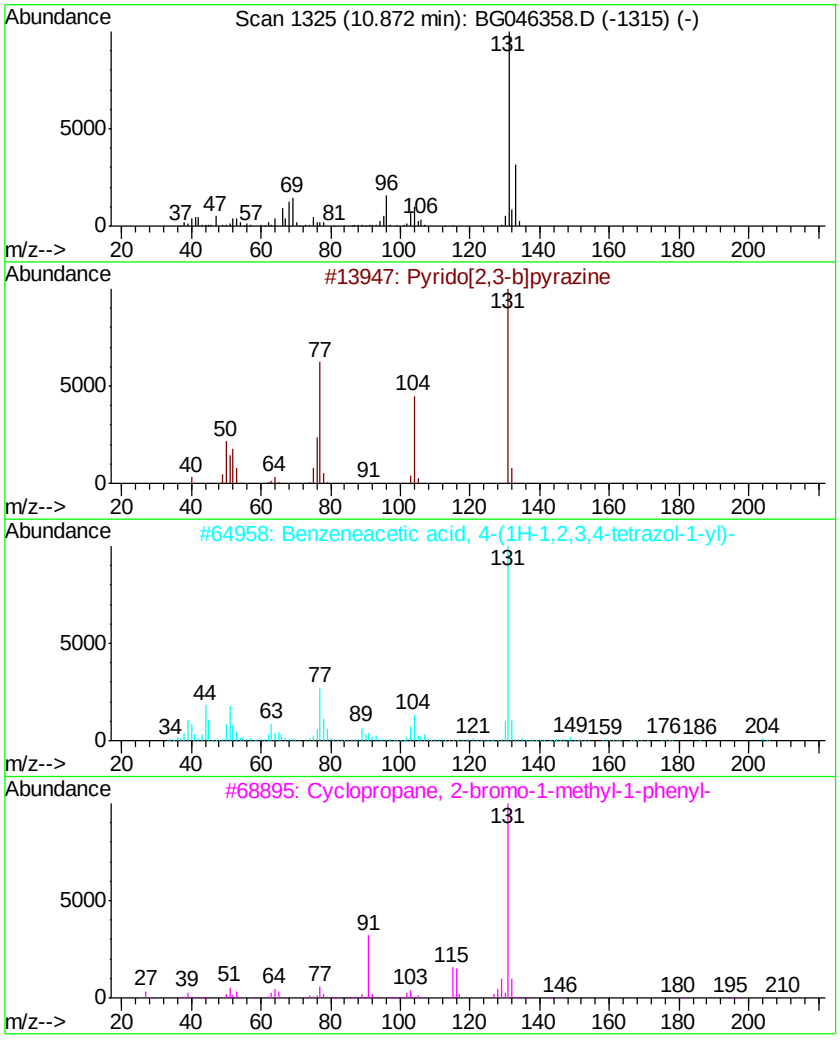
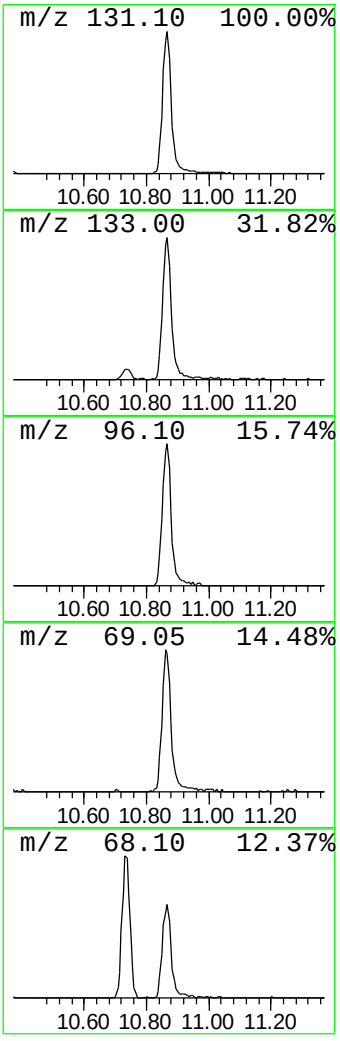
Peak Number 9 unknown-05 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.87 | 10.82 ng/ul | 491324 | Naphthalene-d8 | 10.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrido[2,3-b]pyrazine | 131 | C7H5N3 | 000322-46-3 | 38 |
| 2 | Benzeneacetic acid, 4-(1H-1,2,3,... | 204 | C9H8N4O2 | 1000351-56-5 | 33 |
| 3 | Cyclopropane, 2-bromo-1-methyl-1... | 210 | C10H11Br | 055091-64-0 | 28 |
| 4 | 1H-Indole, 1-methyl- | 131 | C9H9N | 000603-76-9 | 25 |
| 5 | 4-Pentenoic acid, 2,2-diethyl-3-... | 274 | C17H22O3 | 337503-48-7 | 25 |



# Library Search Compound Report

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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

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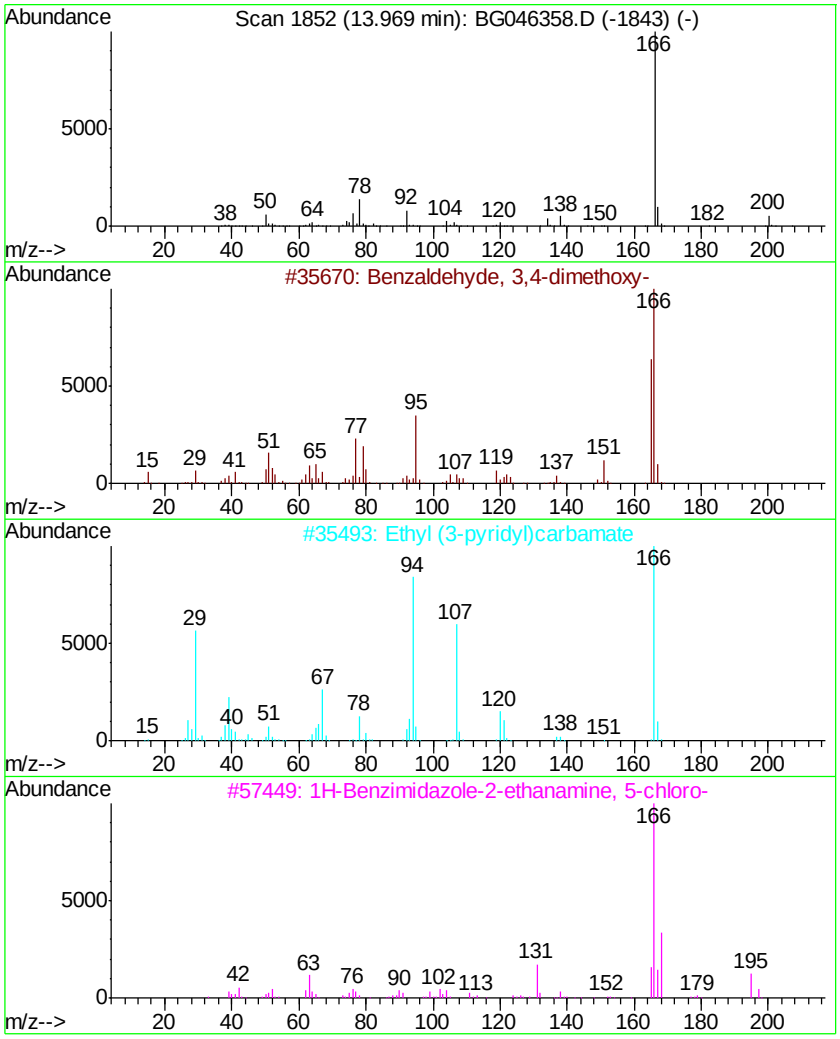
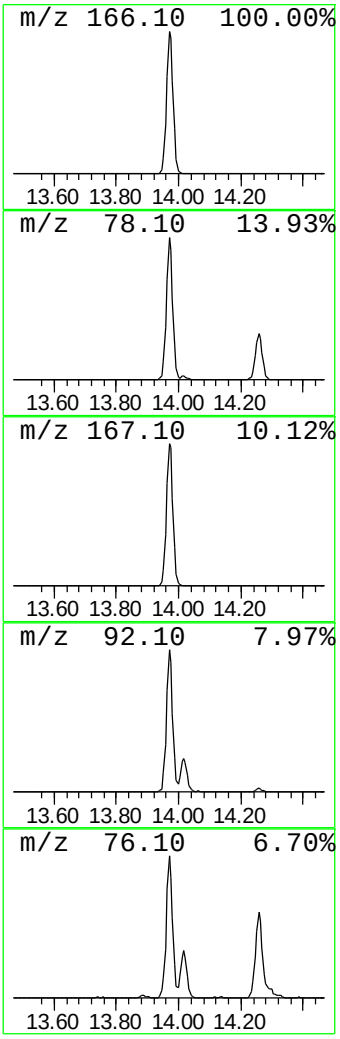
Peak Number 10 unknown-06 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 18.08 ng/ul | 1191180 | 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 | 1H-Benzimidazole-2-ethanamine, 5... | 195 | C9H10ClN3 | 135875-16-0 | 38 |
| 4 | Benzenamine, N,N-dimethyl-4-nitro- | 166 | C8H10N2O2 | 000100-23-2 | 38 |
| 5 | Phenol, 5-(dimethylamino)-2-nitr... | 166 | C8H10N2O2 | 016761-04-9 | 38 |



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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

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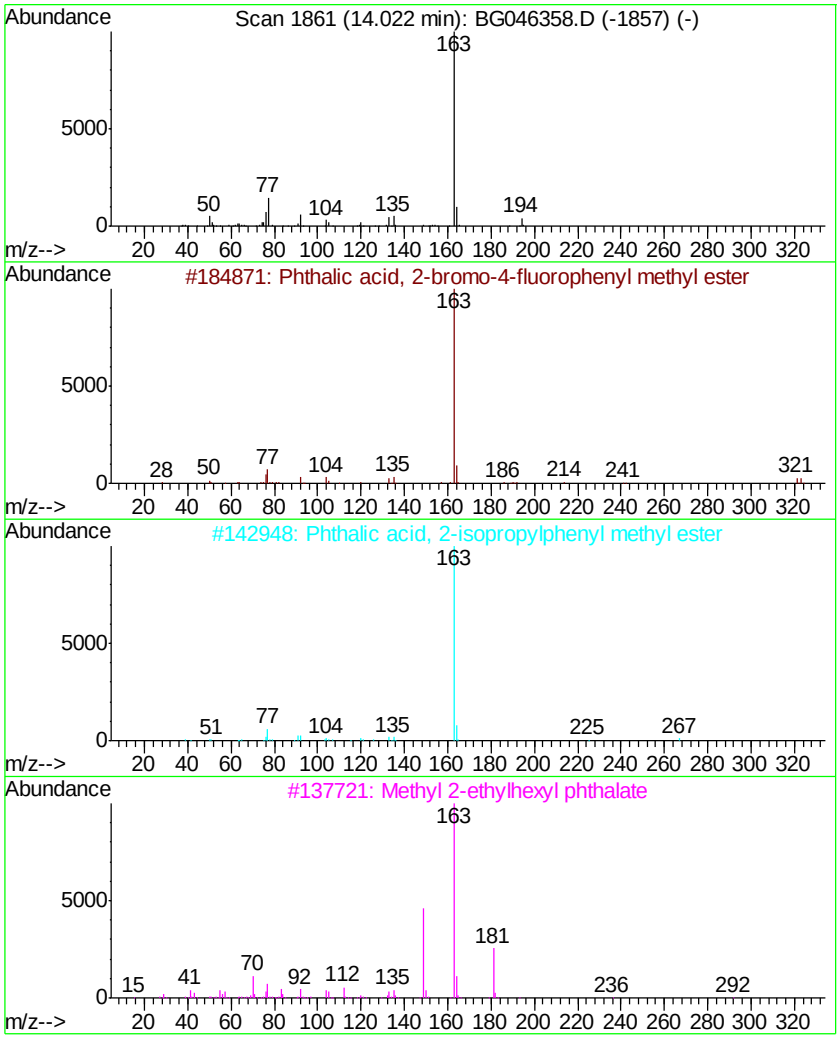
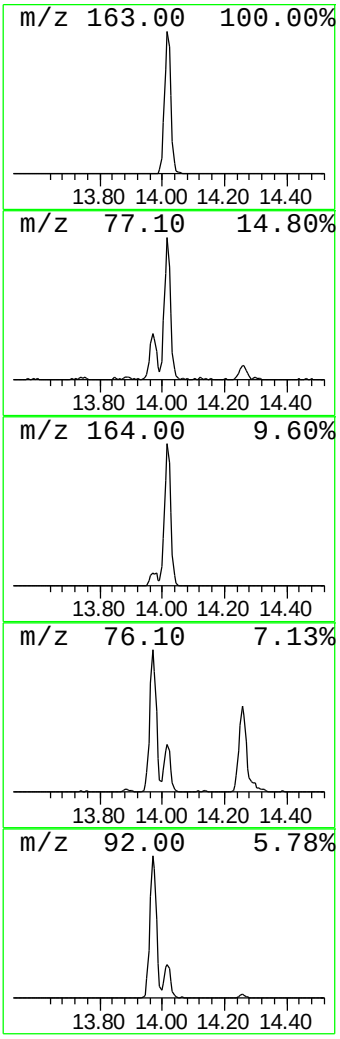
Peak Number 11 Phthalic acid, 2-bromo-4-fl... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 4.60 ng/ul | 303171 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 2-bromo-4-fluorop... | 352 | C15H10BrFO4 | 1000315-62-3 | 83 |
| 2 | Phthalic acid, 2-isopropylphenyl... | 298 | C18H18O4 | 1000315-52-2 | 74 |
| 3 | Methyl 2-ethylhexyl phthalate | 292 | C17H24O4 | 056166-83-7 | 72 |
| 4 | Phthalic acid, methyl 2-nitrophe... | 301 | C15H11NO6 | 1000315-68-3 | 72 |
| 5 | Phthalic acid, 4-fluoro-2-nitrop... | 319 | C15H10FNO6 | 1000315-63-4 | 64 |



# Library Search Compound Report

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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

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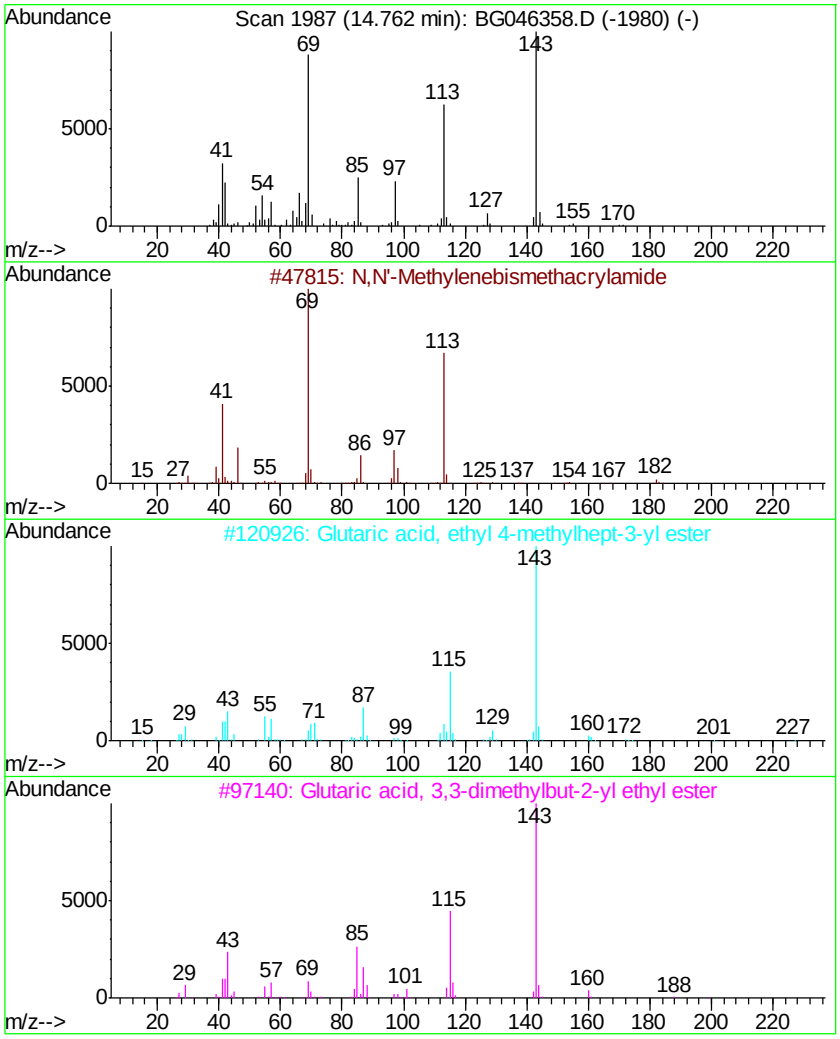
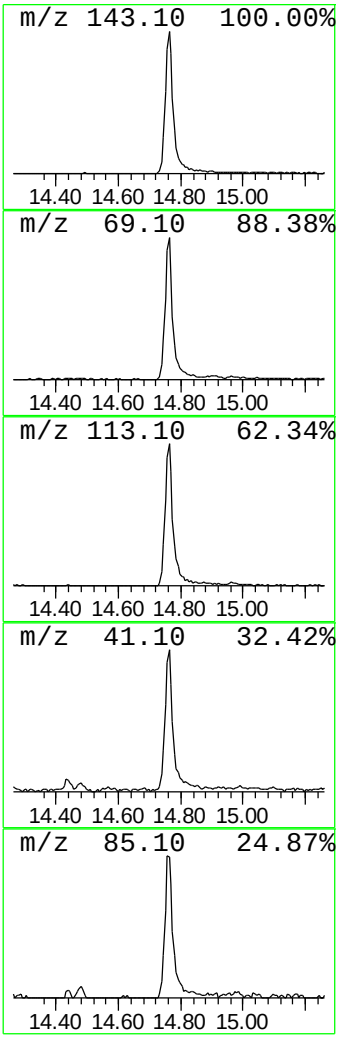
Peak Number 12 unknown-07 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.76 | 5.78 ng/ul | 380866 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N'-Methylenebismethacrylamide | 182 | C9H14N2O2 | 002359-15-1 | 35 |
| 2 | Glutaric acid, ethyl 4-methylhep... | 272 | C15H28O4 | 1000377-14-9 | 27 |
| 3 | Glutaric acid, 3,3-dimethylbut-2... | 244 | C13H24O4 | 1000359-74-7 | 25 |
| 4 | 5-Ethyl-2-octen-4-one | 154 | C10H18O | 1000374-14-3 | 22 |
| 5 | 6-Chloro-N-methyl-3-pyridazinamine | 143 | C5H6ClN3 | 014959-32-1 | 14 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

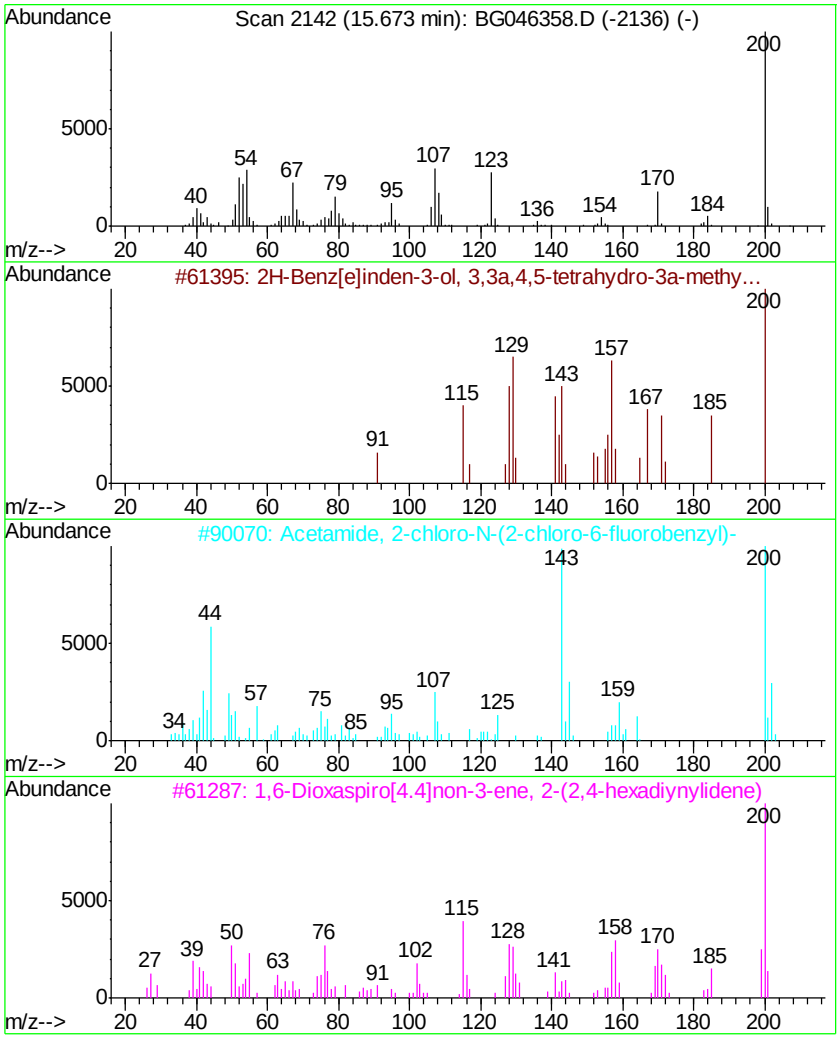
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

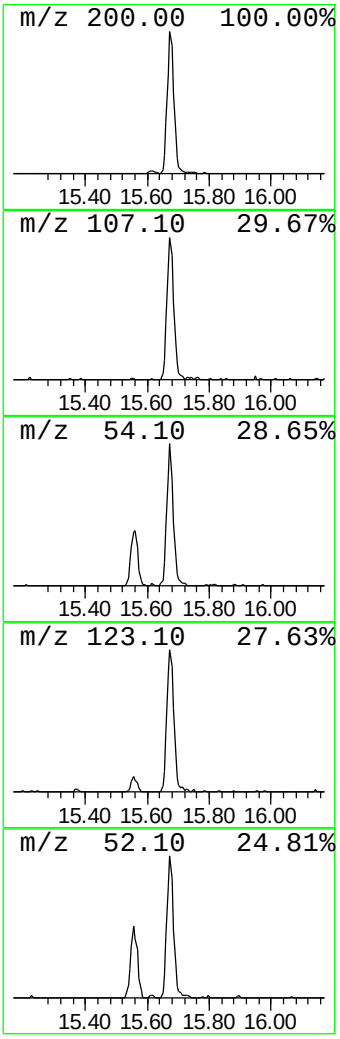
**********

Peak Number 13 unknown-08 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.67 | 6.07 ng/ul | 400075 | 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 | 1,6-Dioxaspiro[4.4]non-3-ene, 2-... | 200 | C13H12O2 | 016863-61-9 | 27 |
| 4 | l-Leucine, N-neopentyloxycarbony... | 357 | C20H39NO4 | 1000328-02-5 | 22 |
| 5 | Benzene, 1-methoxy-4-phenoxy- | 200 | C13H12O2 | 001655-69-2 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

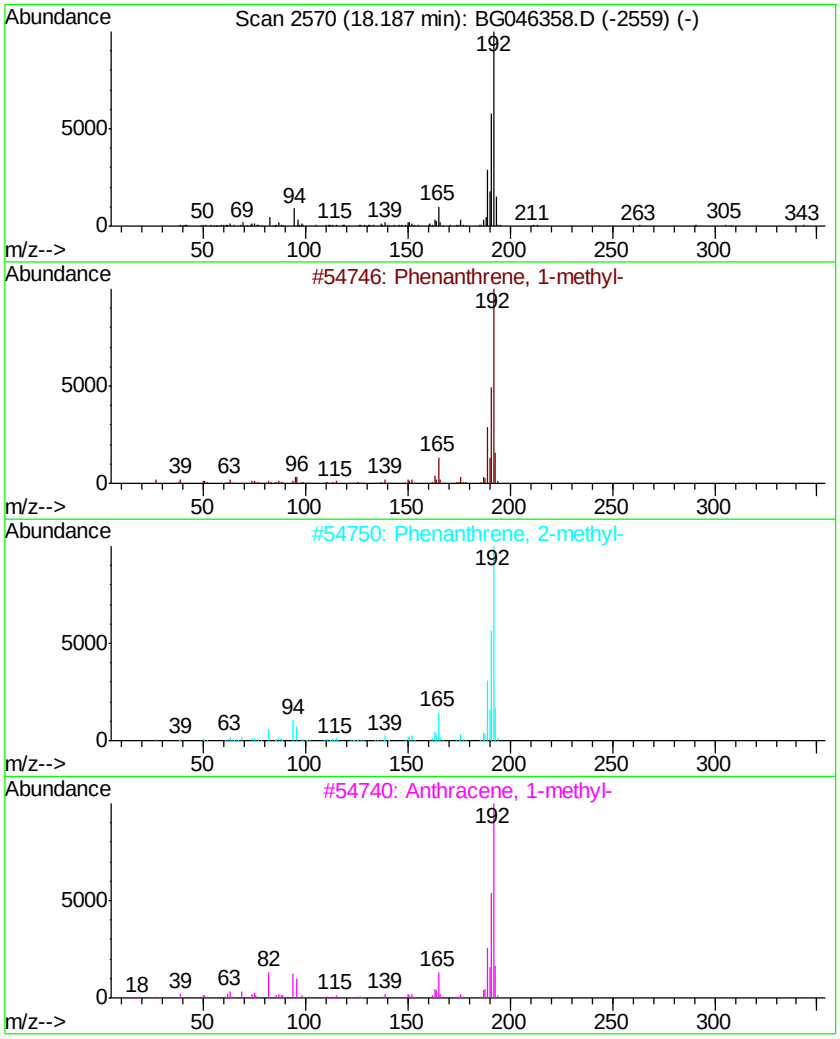
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

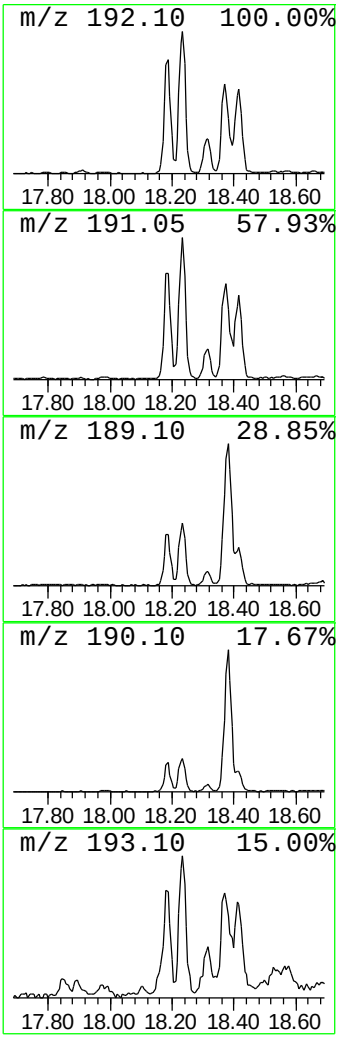
**********

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 2.78 ng/ul | 217503 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

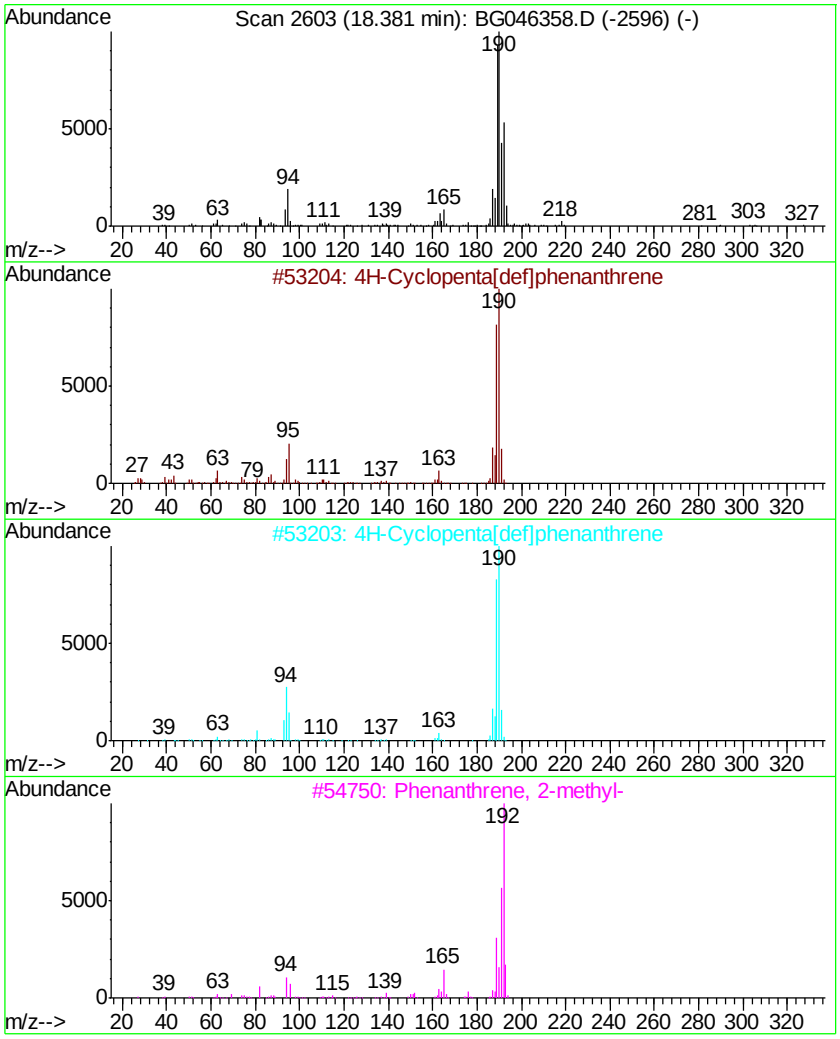
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

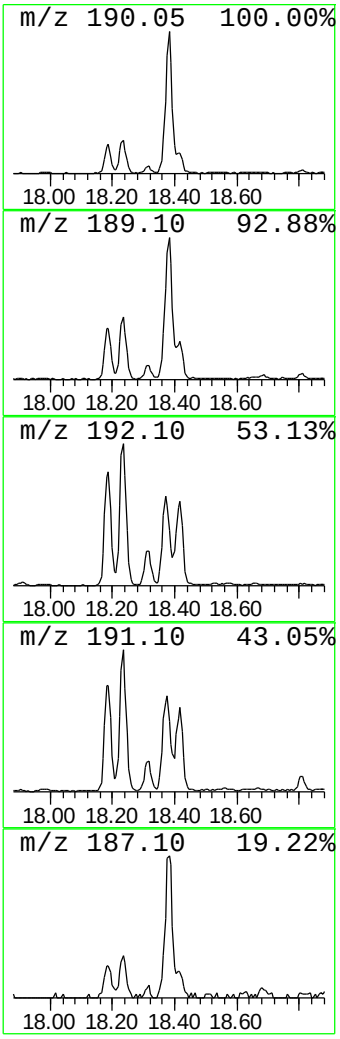
**********

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 3.80 ng/ul | 297614 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 55 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 55 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 46 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 42 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 41 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

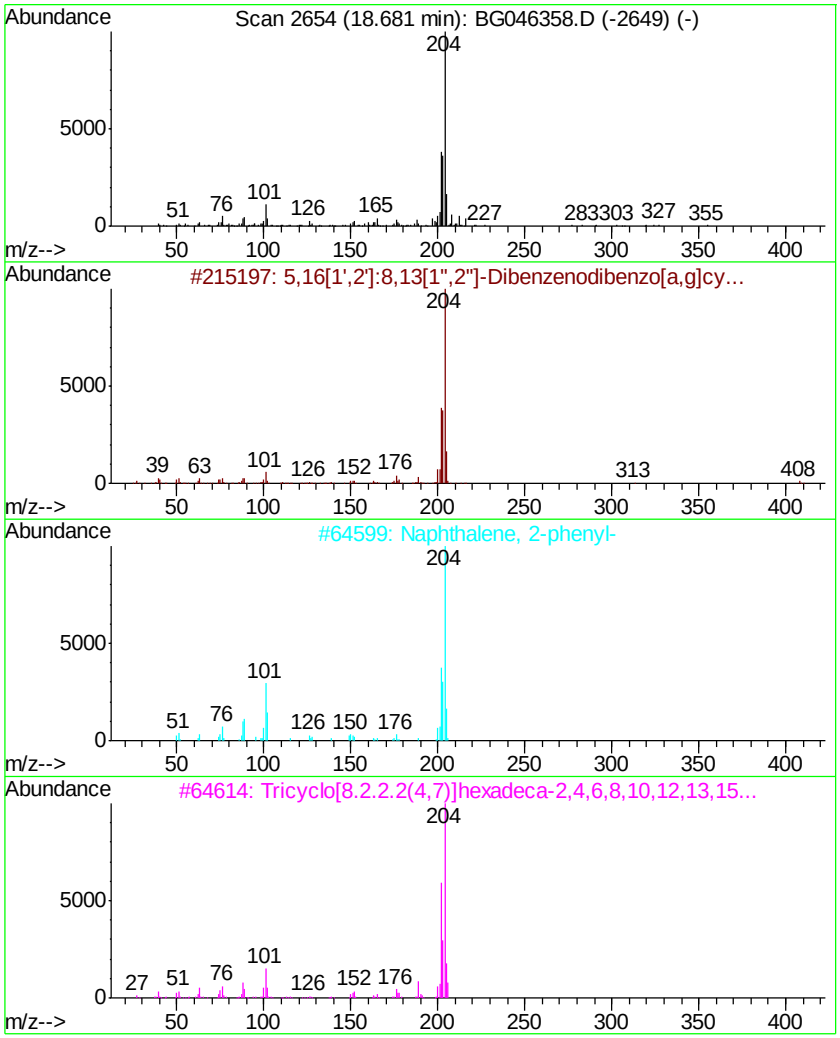
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

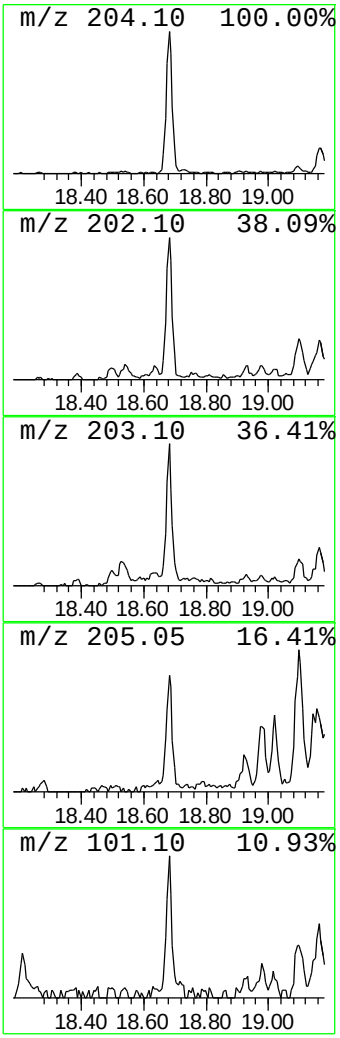
**********

Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.68 | 2.04 ng/ul | 159544 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 83 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 64 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 53 |



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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

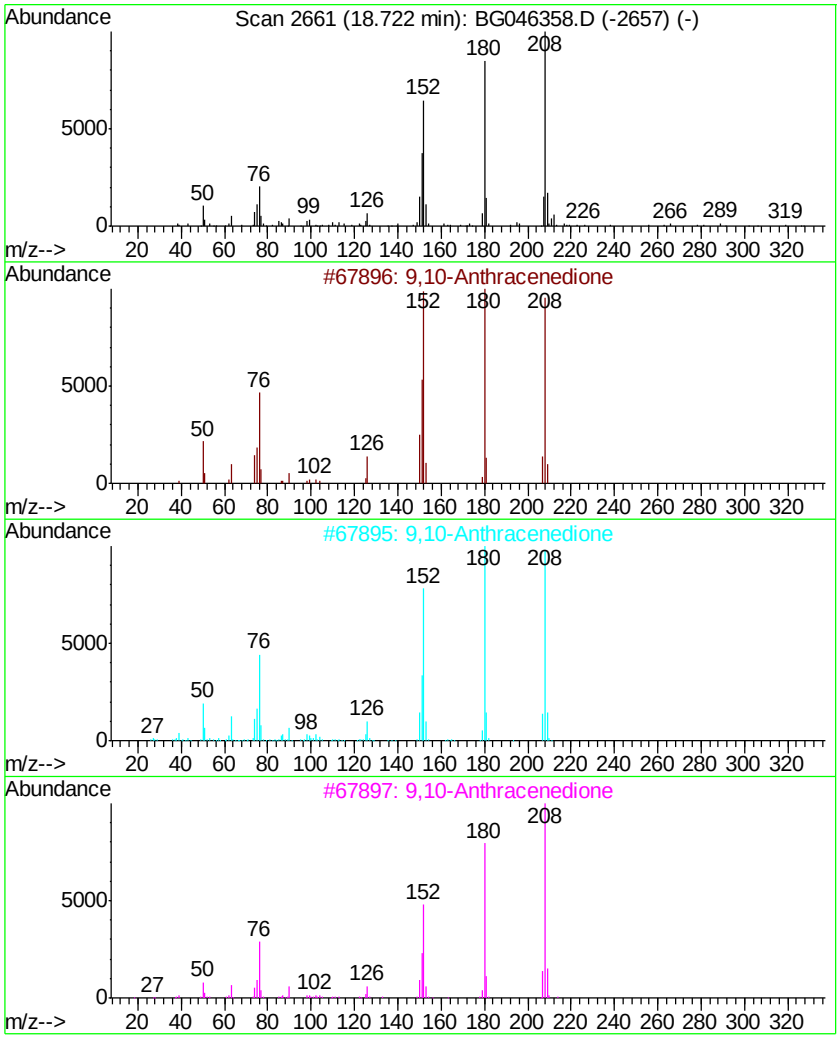
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

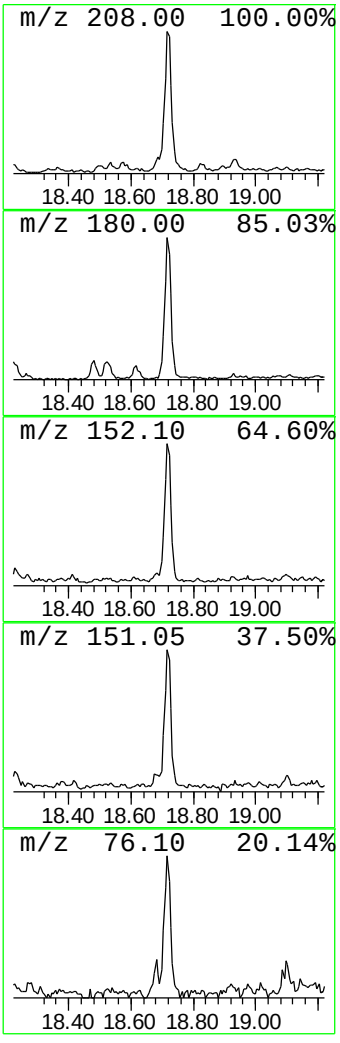
**********

Peak Number 17 9,10-Anthracenedione Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.72 | 2.24 ng/ul | 175635 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 70 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

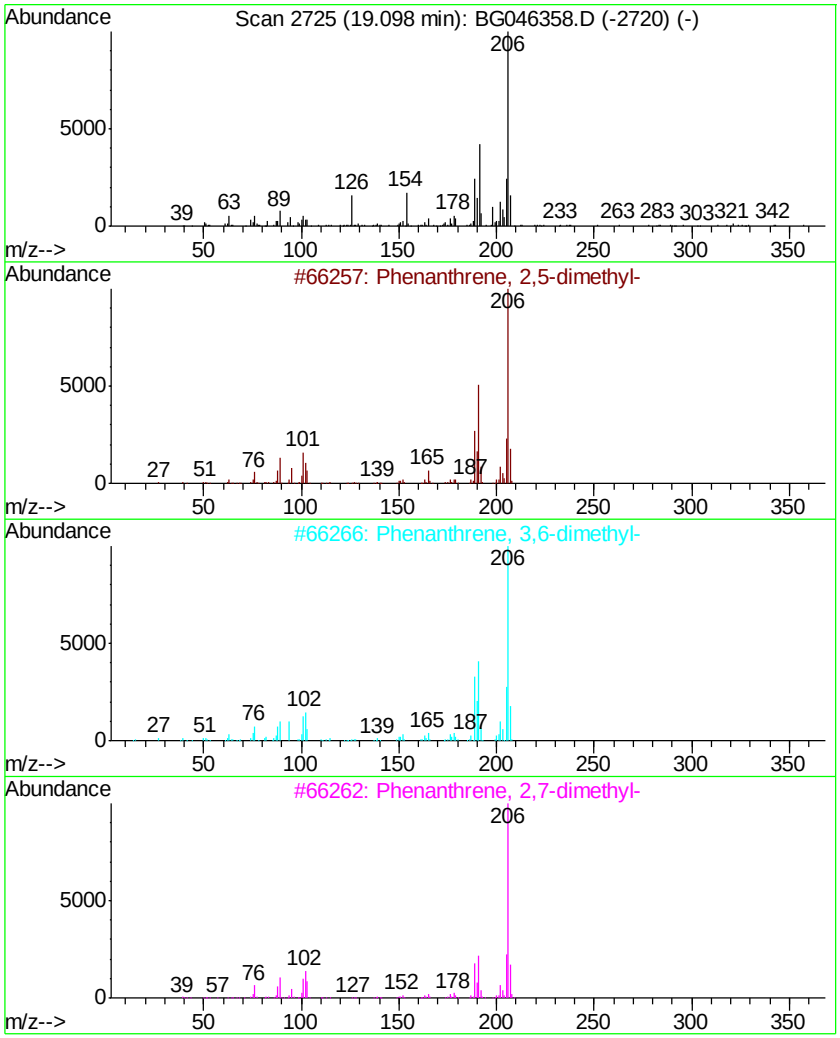
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

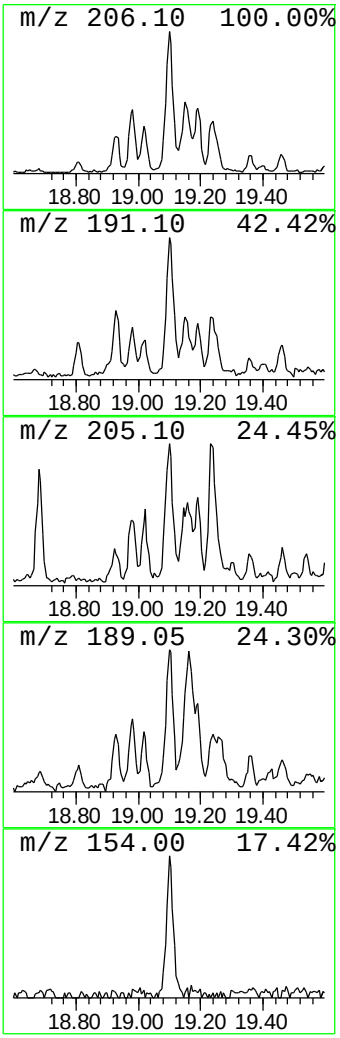
**********

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.10 | 2.33 ng/ul | 182607 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 3 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 83 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 81 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

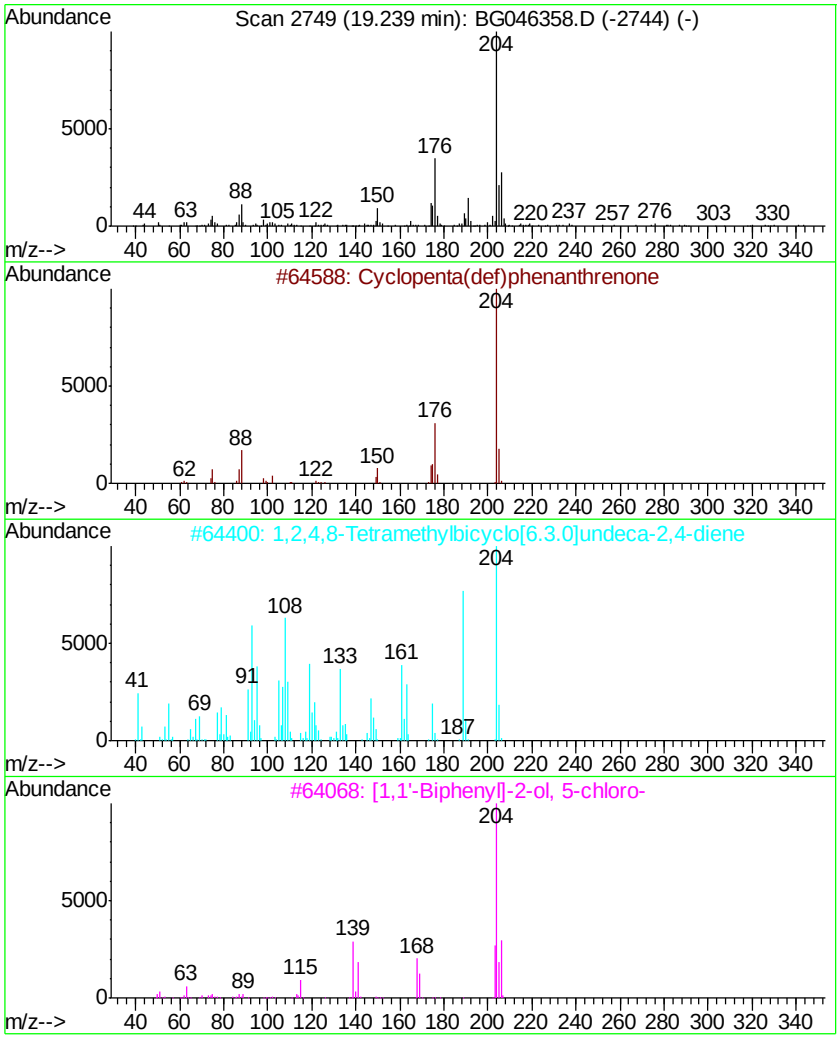
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

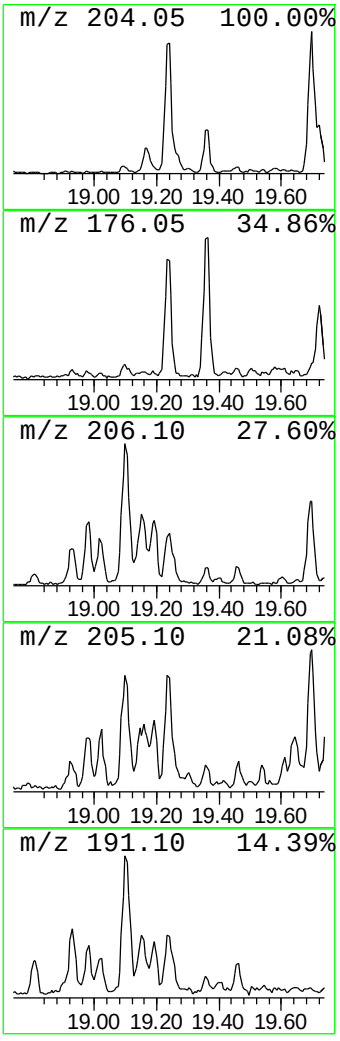
**********

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.24 | 2.50 ng/ul | 195428 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 87 |
| 2 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 49 |
| 3 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 47 |
| 4 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 47 |
| 5 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

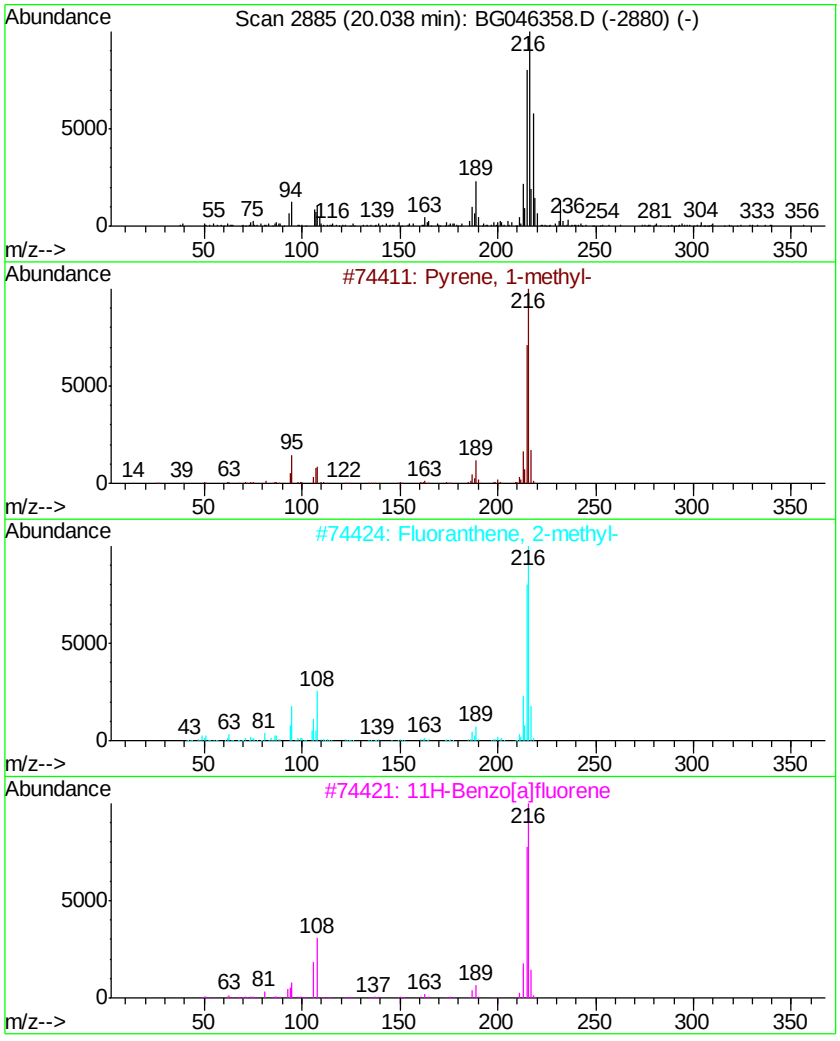
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

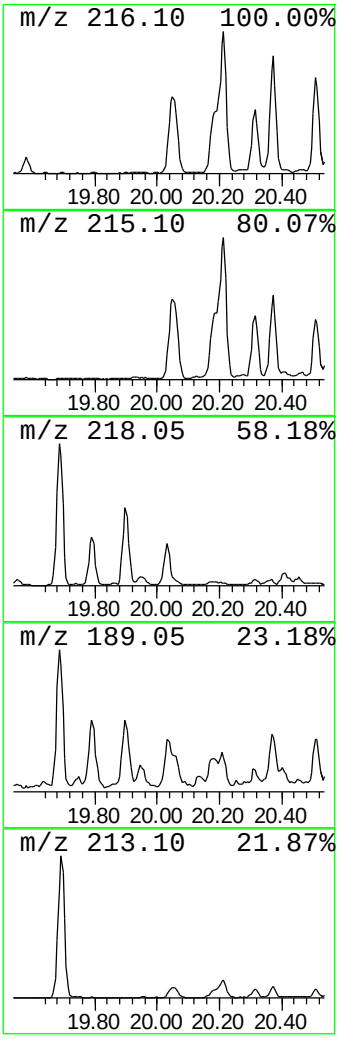
**********

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.04 | 2.41 ng/ul | 360027 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 83 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

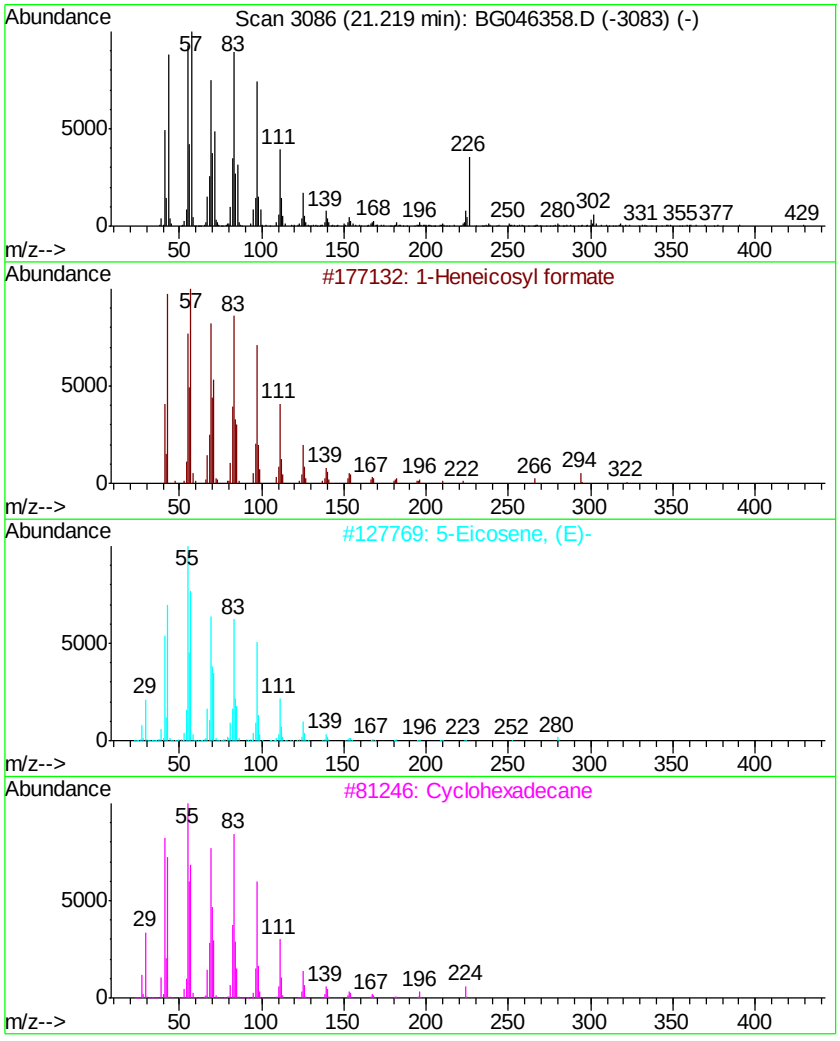
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

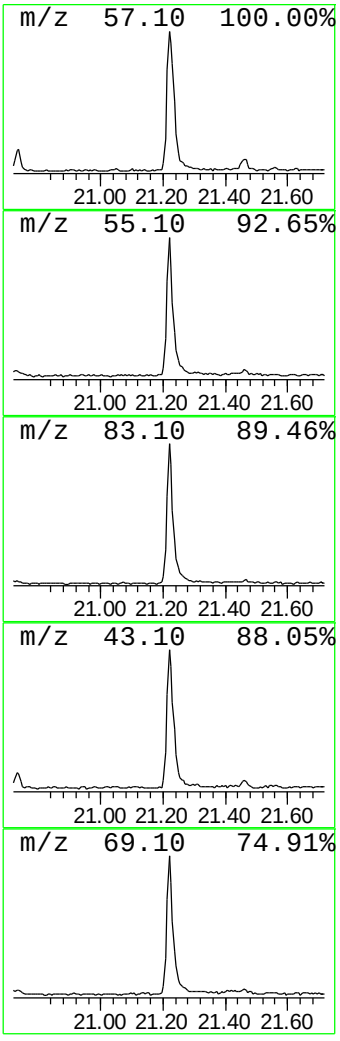
**********

Peak Number 21 1-Heneicosyl formate Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.22 | 6.98 ng/ul | 1043040 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 99 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 3 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 5 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

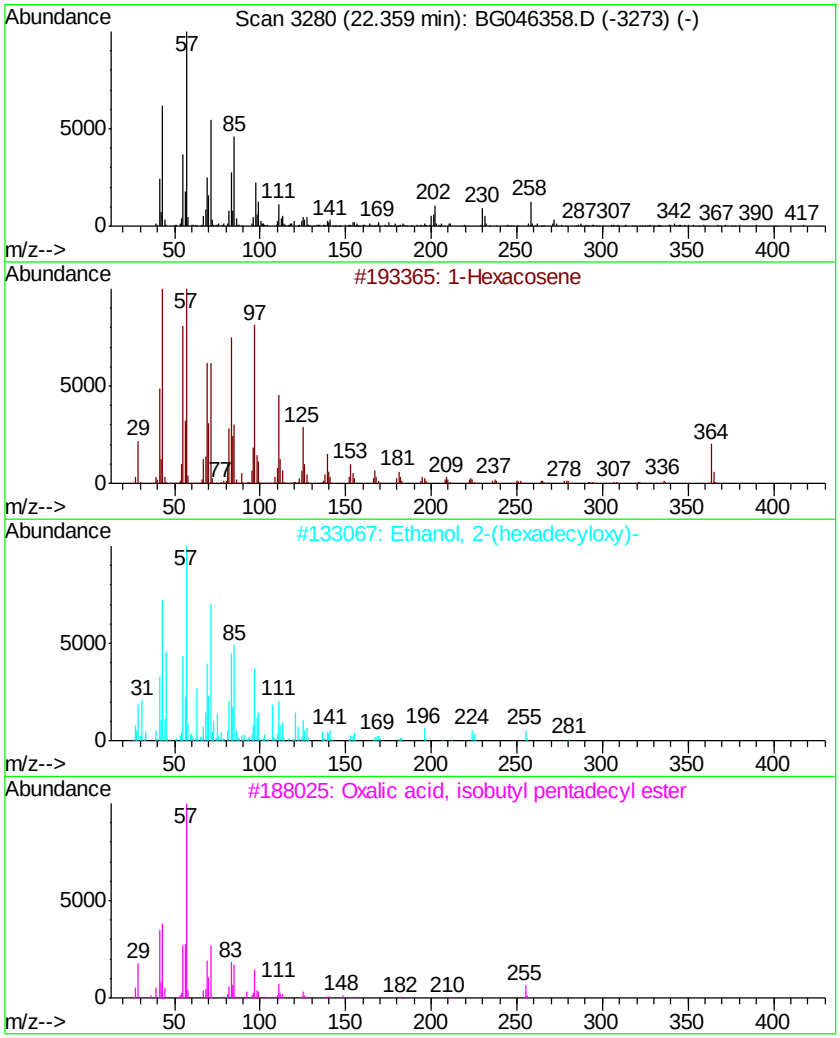
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

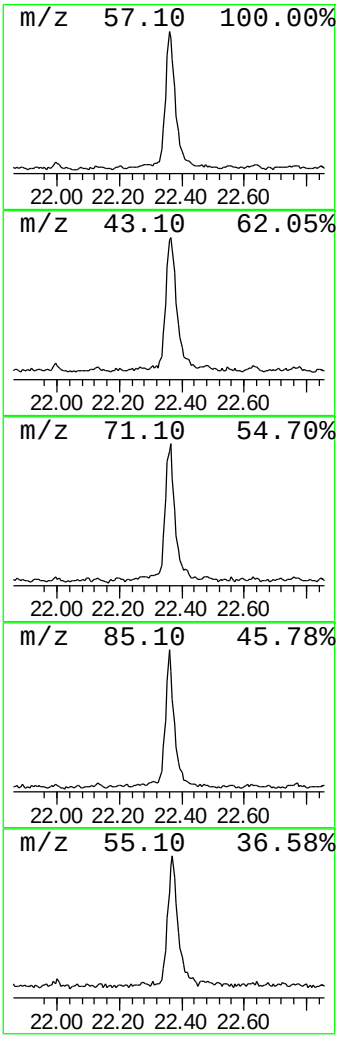
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.36 | 3.71 ng/ul | 553761 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 91 |
| 2 | Ethanol, 2-(hexadecyloxy)- | 286 | C18H38O2 | 002136-71-2 | 91 |
| 3 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 91 |
| 4 | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4 | 1000309-38-3 | 91 |
| 5 | Oxalic acid, isobutyl heptadecyl... | 384 | C23H44O4 | 1000309-38-2 | 91 |



# Library Search Compound Report

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Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

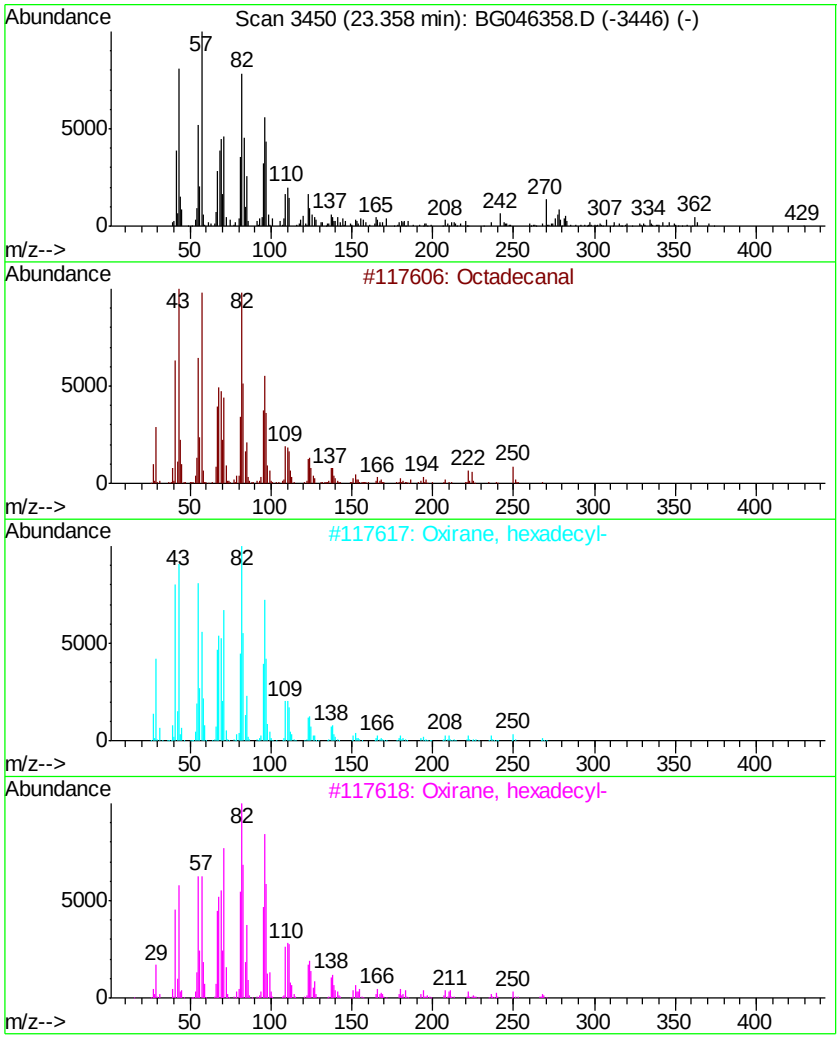
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

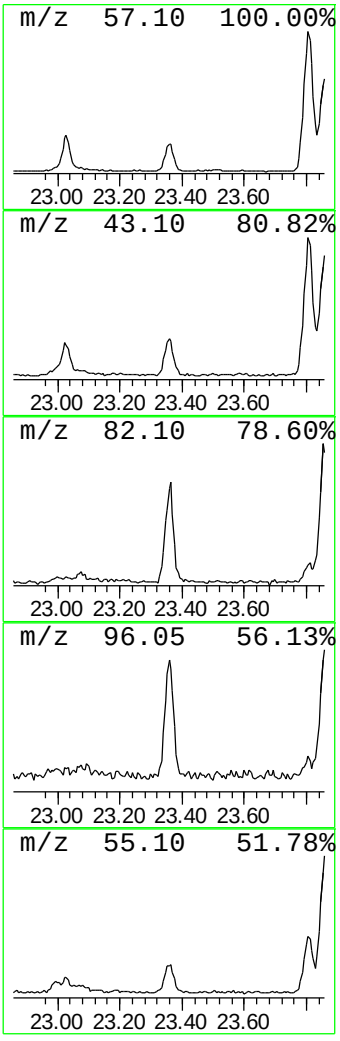
**********

Peak Number 23 Octadecanal Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.36 | 3.64 ng/ul | 298246 | Perylene-d12 | 24.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 97 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 94 |
| 3 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 4 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 90 |
| 5 | Octadecanal | 268 | C18H36O | 000638-66-4 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

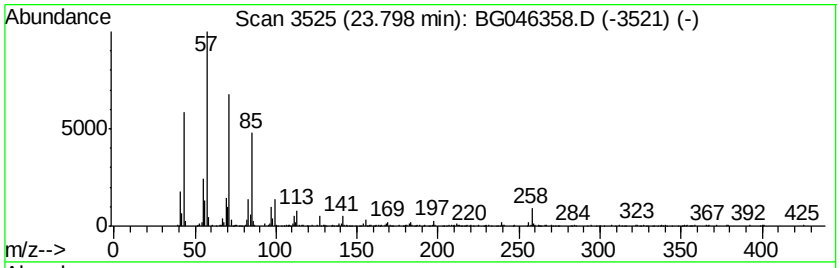
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

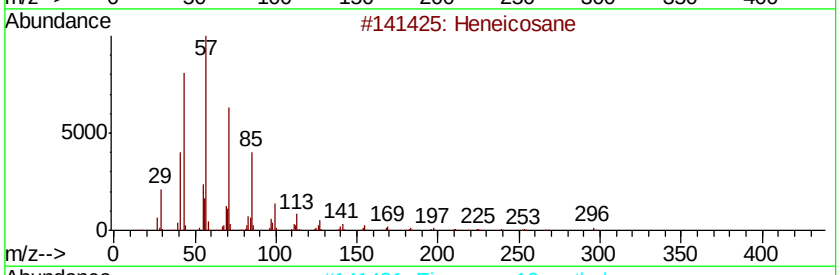
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

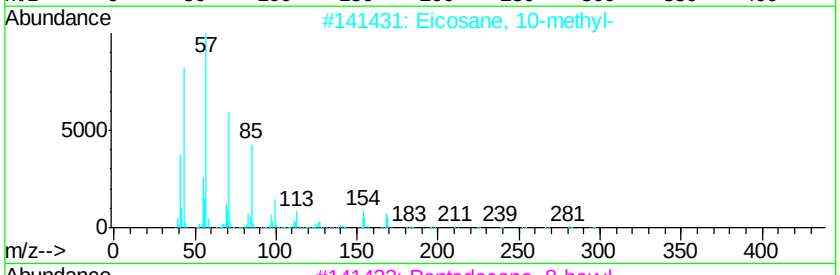
**********
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 15

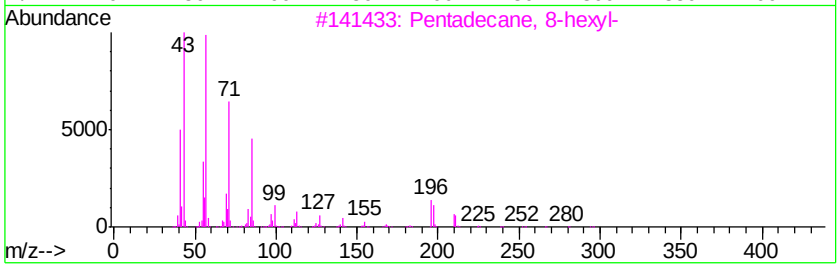
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.80 | 6.08 ng/ul | 497317 | Perylene-d12 | 24.66 |

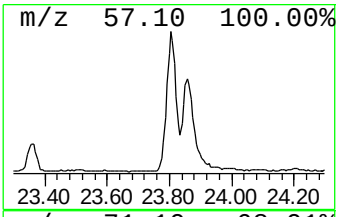
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 2 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 91 |
| 3 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |

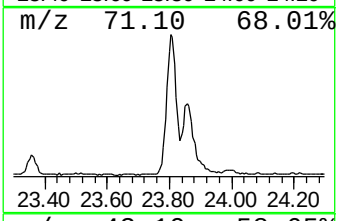


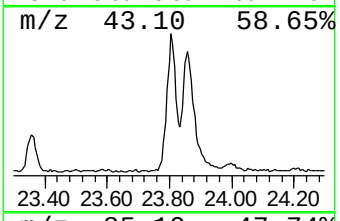



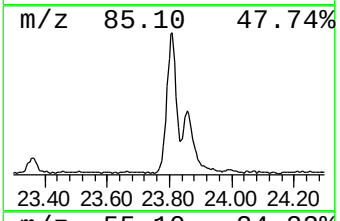



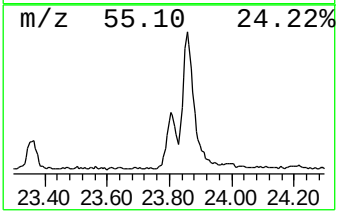



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

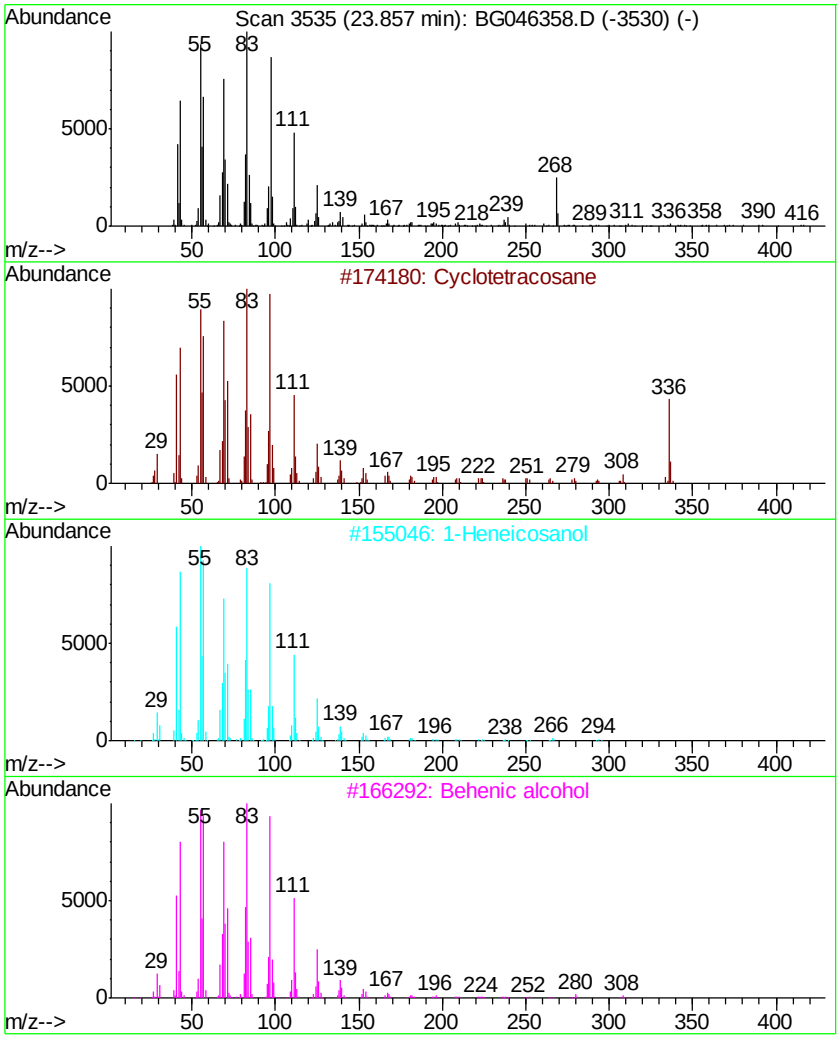
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

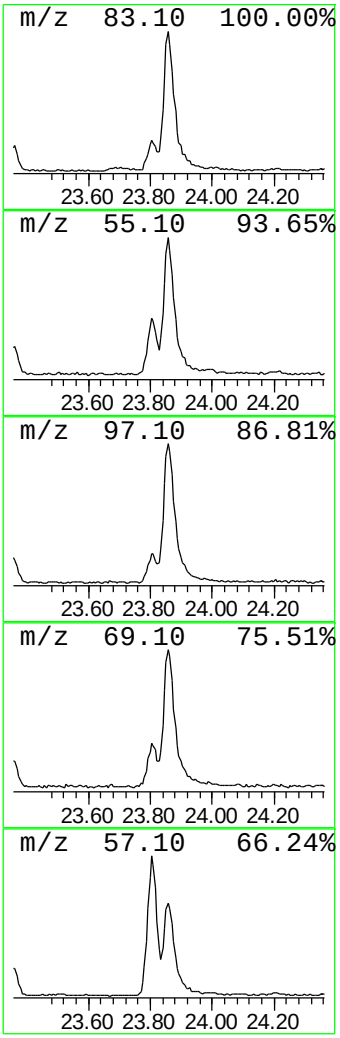
**********

Peak Number 25 (DEL) Alkane: Cyclic23.86 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.86 | 9.31 ng/ul | 762081 | Perylene-d12 | 24.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 91 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 87 |
| 3 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 74 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 68 |
| 5 | 10-Heneicosene (c,t) | 294 | C21H42 | 095008-11-0 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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

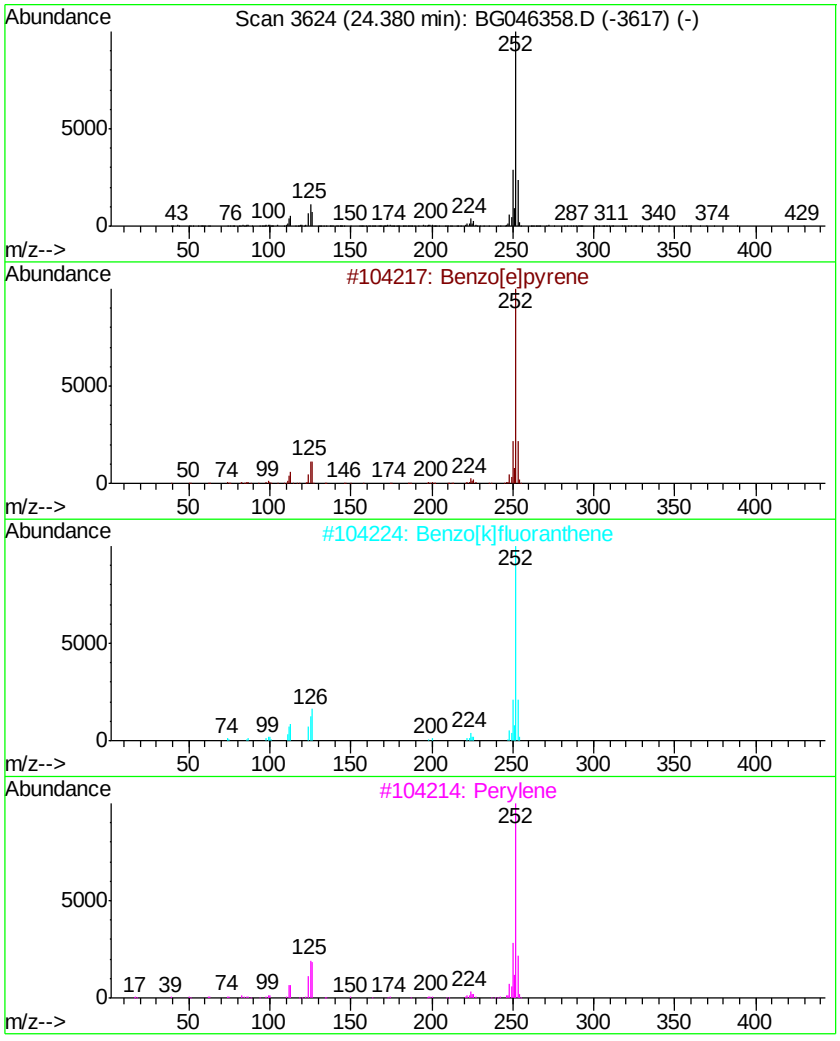
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

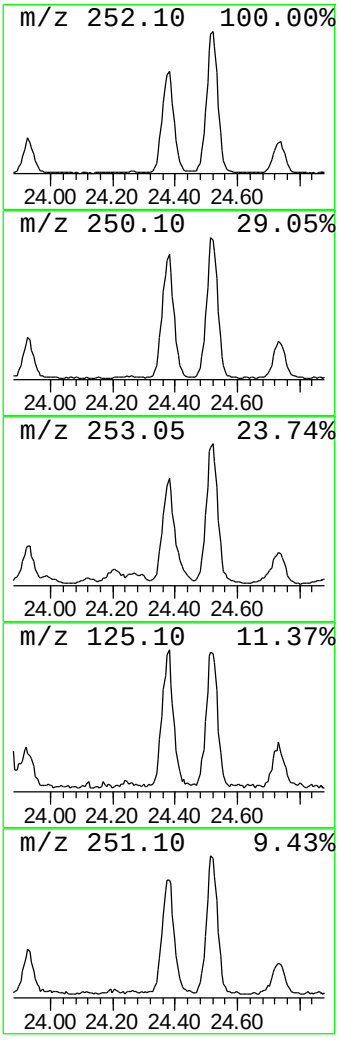
**********

Peak Number 26 Benzo[e]pyrene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.38 | 8.38 ng/ul | 685705 | Perylene-d12 | 24.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 91 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

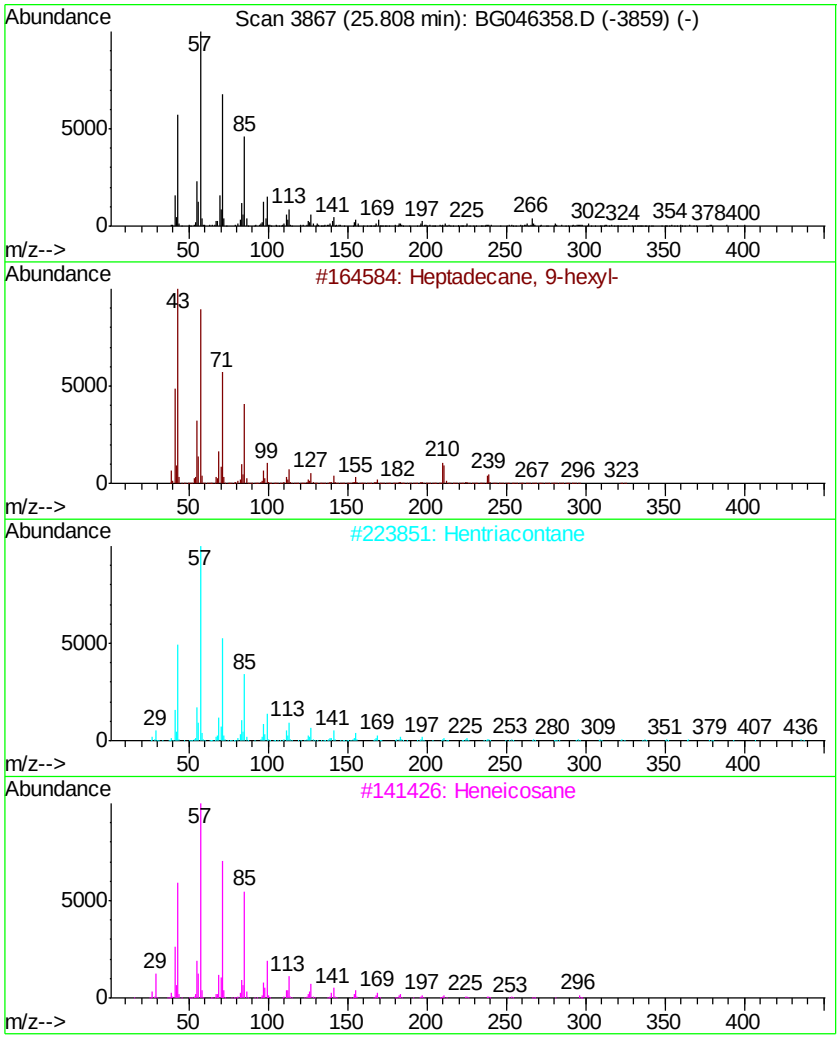
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

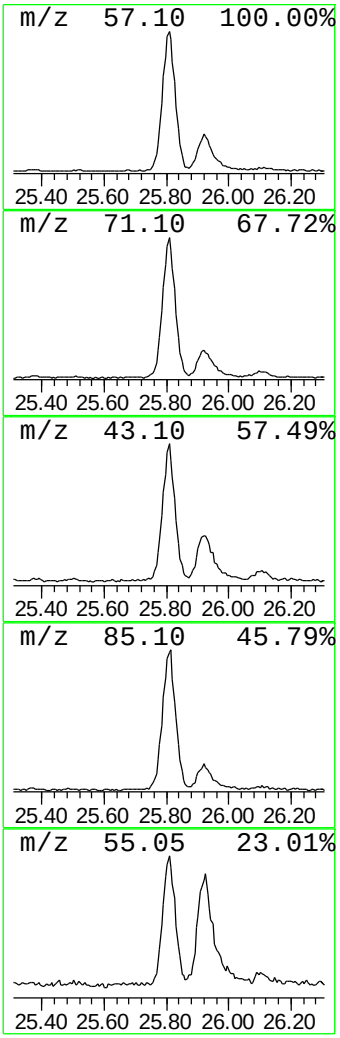
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.81 | 9.66 ng/ul | 790324 | Perylene-d12 | 24.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 91 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

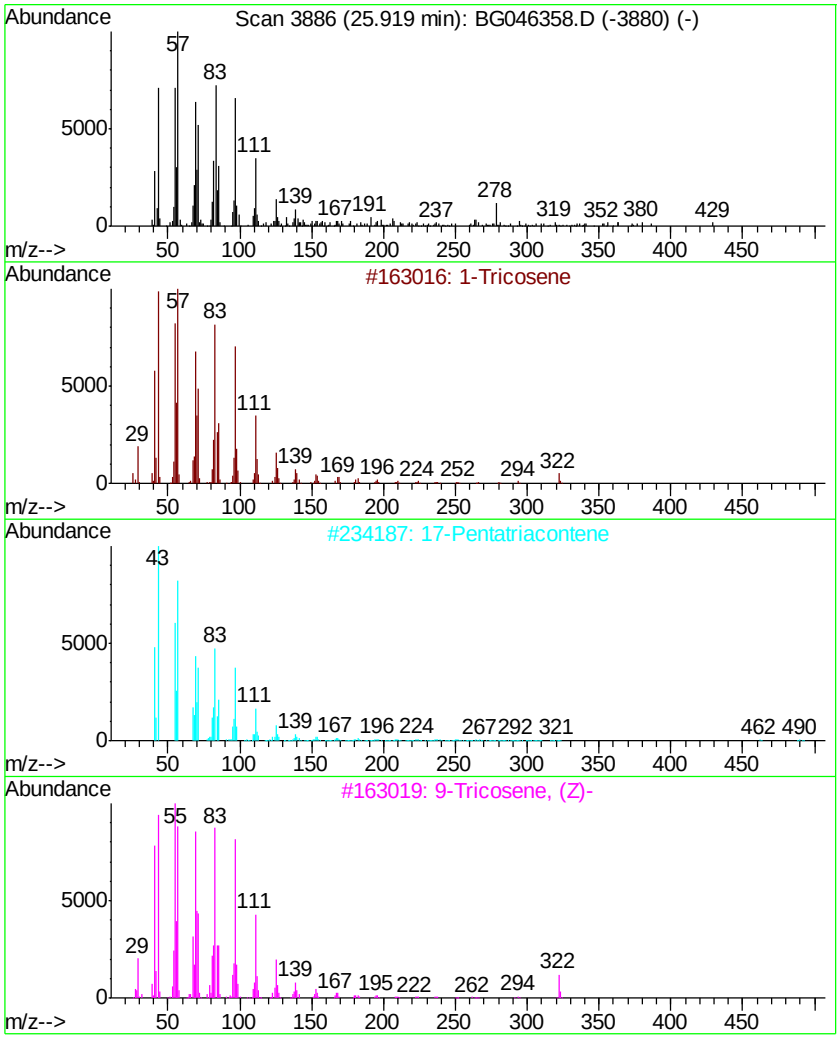
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

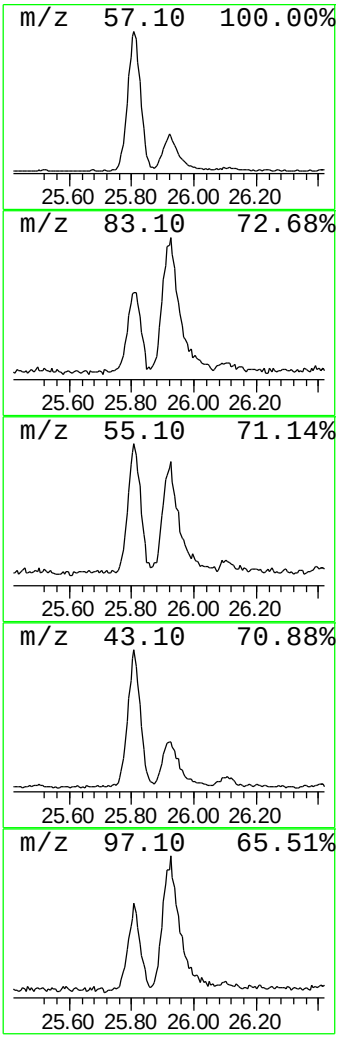
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.92 | 7.60 ng/ul | 621855 | Perylene-d12 | 24.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 89 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 87 |
| 3 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 86 |
| 4 | 10-Heneicosene (c,t) | 294 | C21H42 | 095008-11-0 | 86 |
| 5 | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 959261-25-7 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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... | 3.14 | 73.9 | ng/ul | 2211070 | 1 | 7.94 | 598754 | 20.0 |
| 4H-Imidazol-4-one... | 7.11 | 19.1 | ng/ul | 570558 | 1 | 7.94 | 598754 | 20.0 |
| unknown-01 | 7.26 | 14.3 | ng/ul | 429019 | 1 | 7.94 | 598754 | 20.0 |
| unknown-02 | 7.48 | 19.3 | ng/ul | 577395 | 1 | 7.94 | 598754 | 20.0 |
| unknown-03 | 8.65 | 22.8 | ng/ul | 682826 | 1 | 7.94 | 598754 | 20.0 |
| 1H-Imidazole, 4-m... | 9.09 | 18.5 | ng/ul | 554728 | 1 | 7.94 | 598754 | 20.0 |
| (DEL) Alkane: Str... | 9.18 | 2.0 | ng/ul | 60051 | 1 | 7.94 | 598754 | 20.0 |
| unknown-04 | 9.81 | 10.4 | ng/ul | 474626 | 2 | 10.74 | 908176 | 20.0 |
| unknown-05 | 10.87 | 10.8 | ng/ul | 491324 | 2 | 10.74 | 908176 | 20.0 |
| unknown-06 | 13.97 | 18.1 | ng/ul | 1191180 | 3 | 14.57 | 1317850 | 20.0 |
| Phthalic acid, 2-... | 14.02 | 4.6 | ng/ul | 303171 | 3 | 14.57 | 1317850 | 20.0 |
| unknown-07 | 14.76 | 5.8 | ng/ul | 380866 | 3 | 14.57 | 1317850 | 20.0 |
| unknown-08 | 15.67 | 6.1 | ng/ul | 400075 | 3 | 14.57 | 1317850 | 20.0 |
| Phenanthrene, 1-m... | 18.19 | 2.8 | ng/ul | 217503 | 4 | 17.31 | 1565460 | 20.0 |
| 4H-Cyclopenta[def... | 18.38 | 3.8 | ng/ul | 297614 | 4 | 17.31 | 1565460 | 20.0 |
| 5,16[1',2']:8,13[... | 18.68 | 2.0 | ng/ul | 159544 | 4 | 17.31 | 1565460 | 20.0 |
| 9,10-Anthracenedione | 18.72 | 2.2 | ng/ul | 175635 | 4 | 17.31 | 1565460 | 20.0 |
| Phenanthrene, 2,5... | 19.10 | 2.3 | ng/ul | 182607 | 4 | 17.31 | 1565460 | 20.0 |
| Cyclopenta(def)ph... | 19.24 | 2.5 | ng/ul | 195428 | 4 | 17.31 | 1565460 | 20.0 |
| Pyrene, 1-methyl- | 20.04 | 2.4 | ng/ul | 360027 | 5 | 21.56 | 2988290 | 20.0 |
| 1-Heneicosyl formate | 21.22 | 7.0 | ng/ul | 1043040 | 5 | 21.56 | 2988290 | 20.0 |
| (DEL) Alkane: Str... | 22.36 | 3.7 | ng/ul | 553761 | 5 | 21.56 | 2988290 | 20.0 |
| Octadecanal | 23.36 | 3.6 | ng/ul | 298246 | 6 | 24.66 | 1636900 | 20.0 |
| (DEL) Alkane: Str... | 23.80 | 6.1 | ng/ul | 497317 | 6 | 24.66 | 1636900 | 20.0 |
| (DEL) Alkane: Cyc... | 23.86 | 9.3 | ng/ul | 762081 | 6 | 24.66 | 1636900 | 20.0 |
| Benzo[e]pyrene | 24.38 | 8.4 | ng/ul | 685705 | 6 | 24.66 | 1636900 | 20.0 |
| (DEL) Alkane: Str... | 25.81 | 9.7 | ng/ul | 790324 | 6 | 24.66 | 1636900 | 20.0 |
| (DEL) Alkane: Str... | 25.92 | 7.6 | ng/ul | 621855 | 6 | 24.66 | 1636900 | 20.0 |