LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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 | 3.142 | 4 | 9 | 25 | rVB | 327311 | 525271 | 25.70% | 2.401% |
| 2 | 3.400 | 49 | 53 | 63 | rVB | 13384 | 21952 | 1.07% | 0.100% |
| 3 | 3.688 | 99 | 102 | 106 | rBV4 | 2754 | 3413 | 0.17% | 0.016% |
| 4 | 4.052 | 161 | 164 | 170 | rVB2 | 3372 | 4815 | 0.24% | 0.022% |
| 5 | 4.146 | 176 | 180 | 184 | rBV3 | 3585 | 4666 | 0.23% | 0.021% |
| 6 | 5.063 | 329 | 336 | 340 | rVB4 | 2800 | 4522 | 0.22% | 0.021% |
| 7 | 7.113 | 678 | 685 | 699 | rBV | 259540 | 481573 | 23.56% | 2.201% |
| 8 | 7.266 | 703 | 711 | 725 | rBV | 203911 | 340250 | 16.65% | 1.555% |
| 9 | 7.478 | 739 | 747 | 753 | rBV | 265242 | 459257 | 22.47% | 2.099% |
| 10 | 7.536 | 753 | 757 | 768 | rVB | 35458 | 71636 | 3.50% | 0.327% |
| 11 | 7.942 | 819 | 826 | 834 | rBV | 256483 | 436192 | 21.34% | 1.994% |
| 12 | 8.647 | 939 | 946 | 958 | rBV | 326234 | 589990 | 28.87% | 2.696% |
| 13 | 9.093 | 1013 | 1022 | 1033 | rBV | 253918 | 446563 | 21.85% | 2.041% |
| 14 | 9.258 | 1044 | 1050 | 1052 | rBV4 | 1244 | 2632 | 0.13% | 0.012% |
| 15 | 9.552 | 1095 | 1100 | 1103 | rBV3 | 1473 | 2237 | 0.11% | 0.010% |
| 16 | 9.816 | 1138 | 1145 | 1162 | rVB | 215471 | 387195 | 18.94% | 1.770% |
| 17 | 10.363 | 1229 | 1238 | 1250 | rBV | 352600 | 640429 | 31.33% | 2.927% |
| 18 | 10.739 | 1294 | 1302 | 1314 | rVB | 385683 | 676666 | 33.11% | 3.093% |
| 19 | 10.868 | 1314 | 1324 | 1335 | rBV | 324833 | 605014 | 29.60% | 2.765% |
| 20 | 12.325 | 1566 | 1572 | 1578 | rBV2 | 4582 | 8520 | 0.42% | 0.039% |
| 21 | 13.406 | 1751 | 1756 | 1759 | rBV3 | 2681 | 3485 | 0.17% | 0.016% |
| 22 | 13.471 | 1762 | 1767 | 1771 | rVB5 | 4533 | 6798 | 0.33% | 0.031% |
| 23 | 13.970 | 1846 | 1852 | 1857 | rBV | 629337 | 954758 | 46.71% | 4.364% |
| 24 | 14.017 | 1857 | 1860 | 1868 | rVB | 148085 | 206278 | 10.09% | 0.943% |
| 25 | 14.264 | 1895 | 1902 | 1911 | rBV | 760094 | 1227556 | 60.06% | 5.610% |
| 26 | 14.475 | 1934 | 1938 | 1942 | rVB2 | 7305 | 9466 | 0.46% | 0.043% |
| 27 | 14.569 | 1946 | 1954 | 1964 | rBV | 637697 | 981337 | 48.01% | 4.485% |
| 28 | 14.769 | 1981 | 1988 | 2011 | rBV | 183156 | 367578 | 17.98% | 1.680% |
| 29 | 15.374 | 2086 | 2091 | 2095 | rBV2 | 2824 | 4302 | 0.21% | 0.020% |
| 30 | 15.427 | 2098 | 2100 | 2106 | rVB3 | 2852 | 3404 | 0.17% | 0.016% |
| 31 | 15.562 | 2115 | 2123 | 2131 | rBV | 1026051 | 1551158 | 75.89% | 7.089% |
| 32 | 15.680 | 2136 | 2143 | 2155 | rVV | 163763 | 254322 | 12.44% | 1.162% |
| 33 | 15.803 | 2159 | 2164 | 2169 | rBV2 | 11699 | 16642 | 0.81% | 0.076% |
| 34 | 15.985 | 2192 | 2195 | 2201 | rBV | 1328 | 2305 | 0.11% | 0.011% |

LSC Area Percent Report

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Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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 | 16.250 | 2235 | 2240 | 2245 | rBV | 37440 | 57124 | 2.79% | 0.261% |
| 36 | 16.344 | 2251 | 2256 | 2262 | rVB4 | 5408 | 7267 | 0.36% | 0.033% |
| 37 | 16.990 | 2361 | 2366 | 2371 | rBV4 | 2225 | 3514 | 0.17% | 0.016% |
| 38 | 17.096 | 2378 | 2384 | 2392 | rVB3 | 3412 | 6850 | 0.34% | 0.031% |
| 39 | 17.313 | 2414 | 2421 | 2431 | rBV | 786883 | 1169143 | 57.20% | 5.343% |
| 40 | 17.413 | 2431 | 2438 | 2449 | rVB2 | 1001288 | 1585874 | 77.59% | 7.248% |
| 41 | 17.572 | 2458 | 2465 | 2480 | rBV9 | 9640 | 30679 | 1.50% | 0.140% |
| 42 | 17.983 | 2533 | 2535 | 2540 | rBV4 | 3845 | 5194 | 0.25% | 0.024% |
| 43 | 18.206 | 2566 | 2573 | 2583 | rBV9 | 16223 | 39193 | 1.92% | 0.179% |
| 44 | 18.506 | 2619 | 2624 | 2625 | rBV3 | 2215 | 3247 | 0.16% | 0.015% |
| 45 | 18.535 | 2625 | 2629 | 2634 | rVB5 | 6187 | 9726 | 0.48% | 0.044% |
| 46 | 18.582 | 2634 | 2637 | 2638 | rBV3 | 3170 | 3039 | 0.15% | 0.014% |
| 47 | 18.688 | 2652 | 2655 | 2657 | rVB4 | 3024 | 3375 | 0.17% | 0.015% |
| 48 | 18.806 | 2673 | 2675 | 2678 | rBV4 | 1725 | 2398 | 0.12% | 0.011% |
| 49 | 19.017 | 2708 | 2711 | 2713 | rBV5 | 3994 | 4966 | 0.24% | 0.023% |
| 50 | 19.070 | 2716 | 2720 | 2724 | rBV6 | 6465 | 9515 | 0.47% | 0.043% |
| 51 | 19.135 | 2729 | 2731 | 2739 | rVB7 | 4540 | 7621 | 0.37% | 0.035% |
| 52 | 19.193 | 2739 | 2741 | 2742 | rBV | 3043 | 2432 | 0.12% | 0.011% |
| 53 | 19.287 | 2754 | 2757 | 2758 | rBV3 | 2737 | 2541 | 0.12% | 0.012% |
| 54 | 19.328 | 2761 | 2764 | 2766 | rVV2 | 14622 | 17395 | 0.85% | 0.080% |
| 55 | 19.364 | 2767 | 2770 | 2775 | rVV | 15737 | 22045 | 1.08% | 0.101% |
| 56 | 19.405 | 2775 | 2777 | 2779 | rVB3 | 4584 | 4068 | 0.20% | 0.019% |
| 57 | 19.469 | 2786 | 2788 | 2791 | rBV4 | 9000 | 9050 | 0.44% | 0.041% |
| 58 | 19.511 | 2791 | 2795 | 2799 | rVB4 | 27259 | 33979 | 1.66% | 0.155% |
| 59 | 19.581 | 2804 | 2807 | 2813 | rVB | 11822 | 16066 | 0.79% | 0.073% |
| 60 | 19.628 | 2813 | 2815 | 2818 | rVB2 | 9086 | 10629 | 0.52% | 0.049% |
| 61 | 19.699 | 2818 | 2827 | 2839 | rBV | 1372858 | 2043883 | 100.00% | 9.341% |
| 62 | 19.846 | 2850 | 2852 | 2853 | rVB2 | 4065 | 2224 | 0.11% | 0.010% |
| 63 | 20.104 | 2894 | 2896 | 2899 | rBV4 | 4382 | 4682 | 0.23% | 0.021% |
| 64 | 20.222 | 2912 | 2916 | 2917 | rBV4 | 8588 | 10302 | 0.50% | 0.047% |
| 65 | 20.239 | 2917 | 2919 | 2922 | rVB3 | 10078 | 10059 | 0.49% | 0.046% |
| 66 | 20.439 | 2950 | 2953 | 2956 | rBV5 | 7660 | 9263 | 0.45% | 0.042% |
| 67 | 21.226 | 3082 | 3087 | 3100 | rBV | 299278 | 526057 | 25.74% | 2.404% |
| 68 | 21.561 | 3137 | 3144 | 3157 | rVB | 814543 | 1324345 | 64.80% | 6.053% |
| 69 | 21.767 | 3176 | 3179 | 3187 | rVB5 | 32121 | 50230 | 2.46% | 0.230% |
| 70 | 22.354 | 3277 | 3279 | 3294 | rVB5 | 38426 | 104470 | 5.11% | 0.477% |
| 71 | 22.995 | 3383 | 3388 | 3391 | rBV | 64764 | 113119 | 5.53% | 0.517% |

LSC Area Percent Report

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Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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 | 23.806 | 3522 | 3526 | 3535 | rVB | 47363 | 89513 | 4.38% | 0.409% |
| 73 | 24.464 | 3627 | 3638 | 3660 | rBV | 642846 | 1880538 | 92.01% | 8.595% |
| 74 | 24.669 | 3665 | 3673 | 3689 | rVB2 | 423540 | 1342191 | 65.67% | 6.134% |

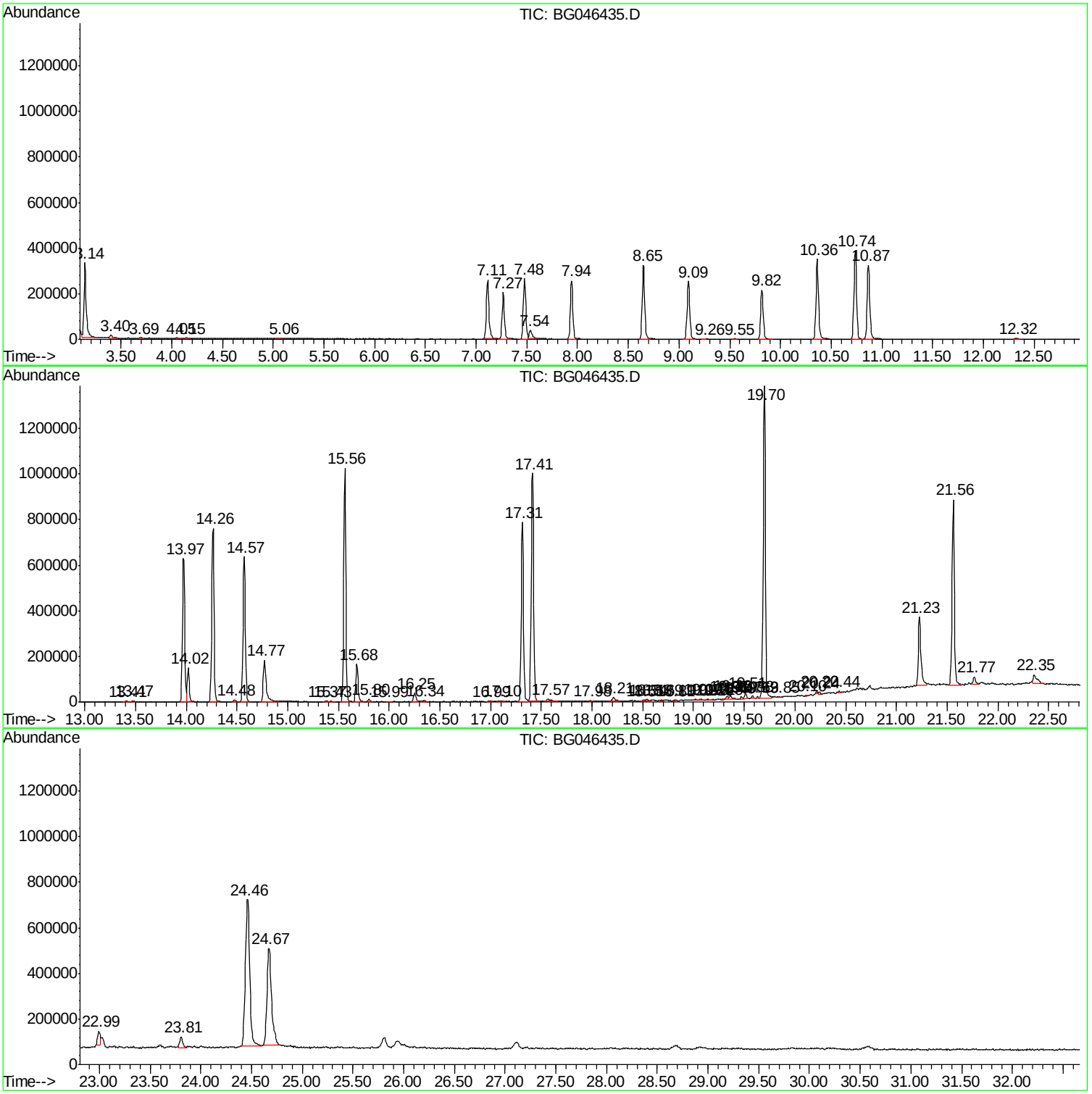
Sum of corrected areas: 21879988

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BFMY5

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 : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

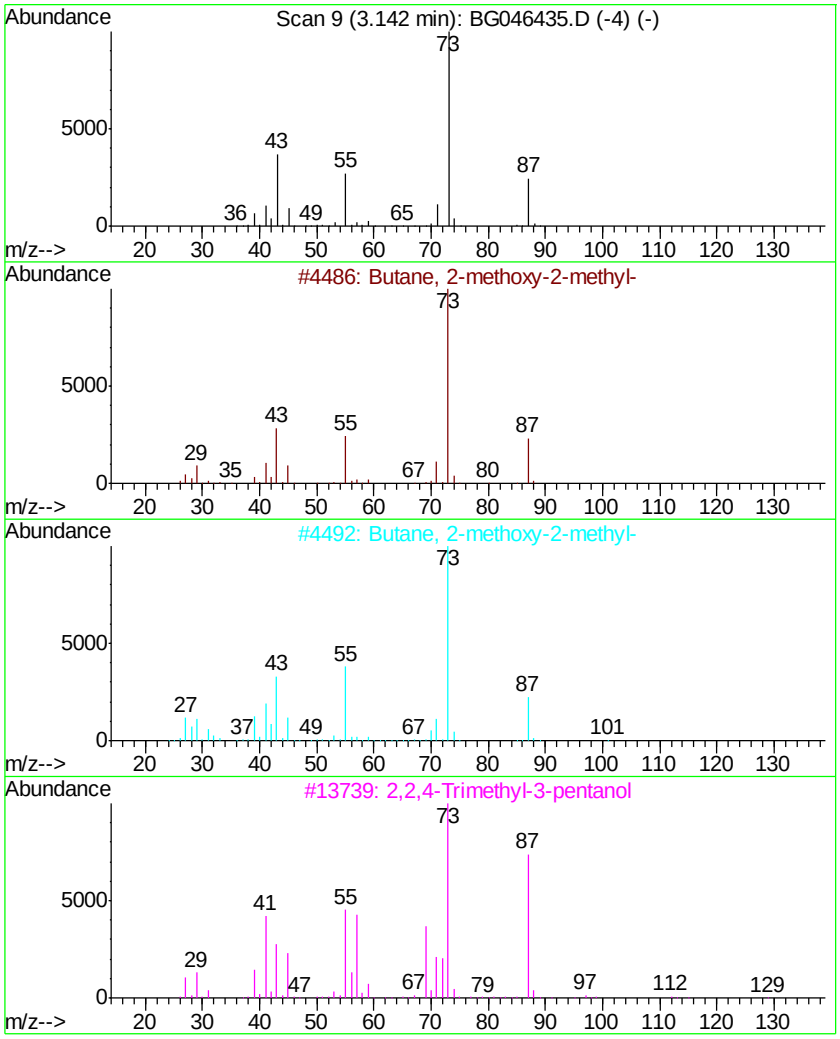
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

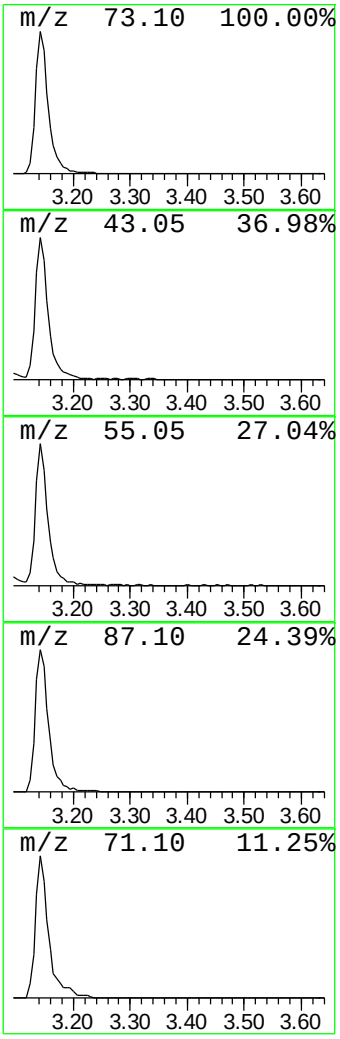
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.14 | 24.08 ng/ul | 525271 | 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 | 78 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 59 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

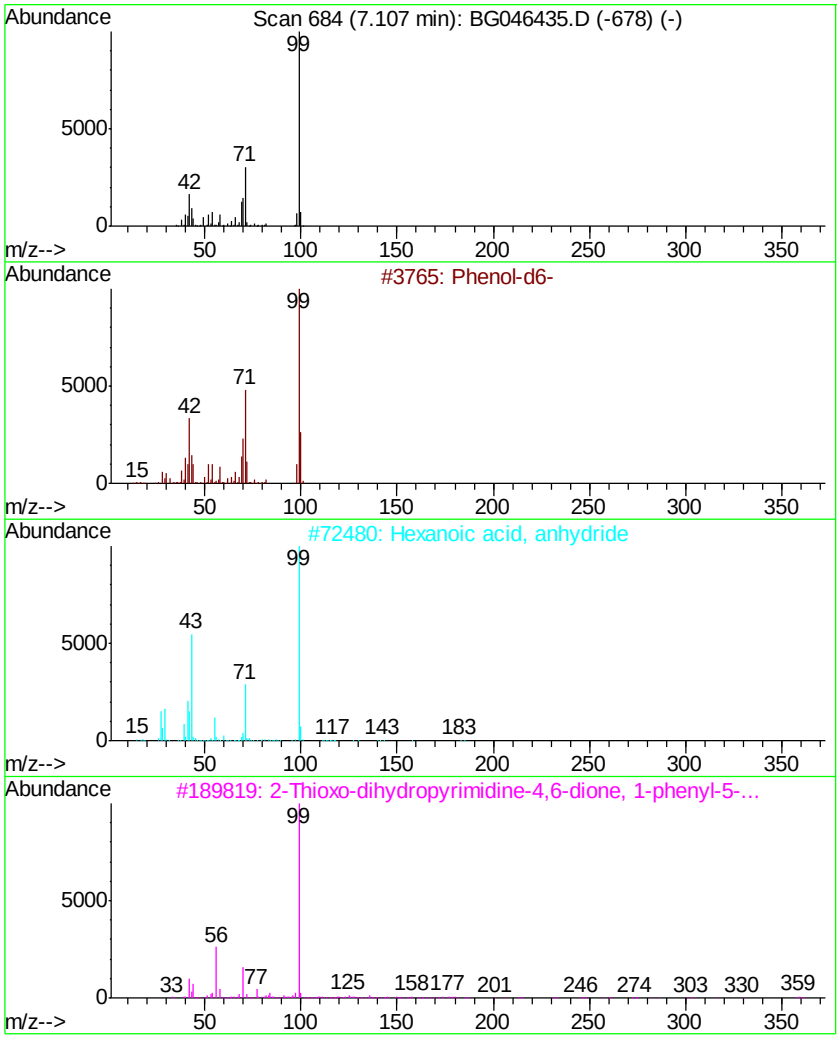
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

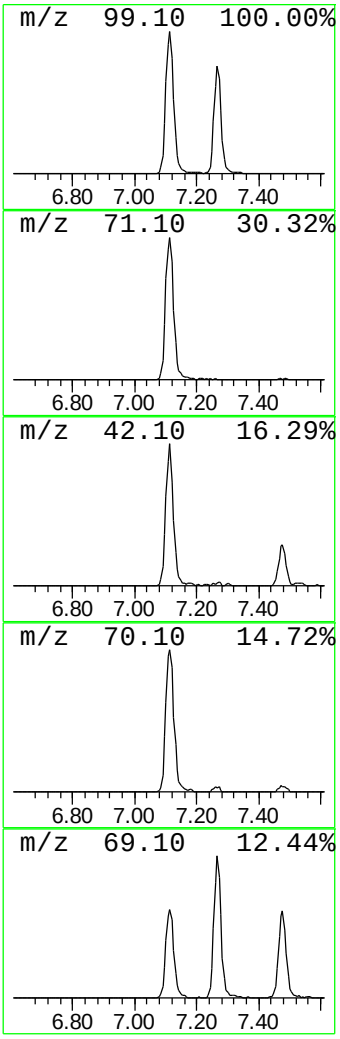
**********

Peak Number 2 Hexanoic acid, anhydride Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.11 | 22.08 ng/ul | 481573 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol-d6- | 100 | C6D6O | 013127-88-3 | 64 |
| 2 | Hexanoic acid, anhydride | 214 | C12H22O3 | 002051-49-2 | 50 |
| 3 | 2-Thioxo-dihydropyrimidine-4,6-d... | 359 | C17H21N5O2S | 1000304-28-6 | 50 |
| 4 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 50 |
| 5 | Hexanoic acid, anhydride | 214 | C12H22O3 | 002051-49-2 | 45 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

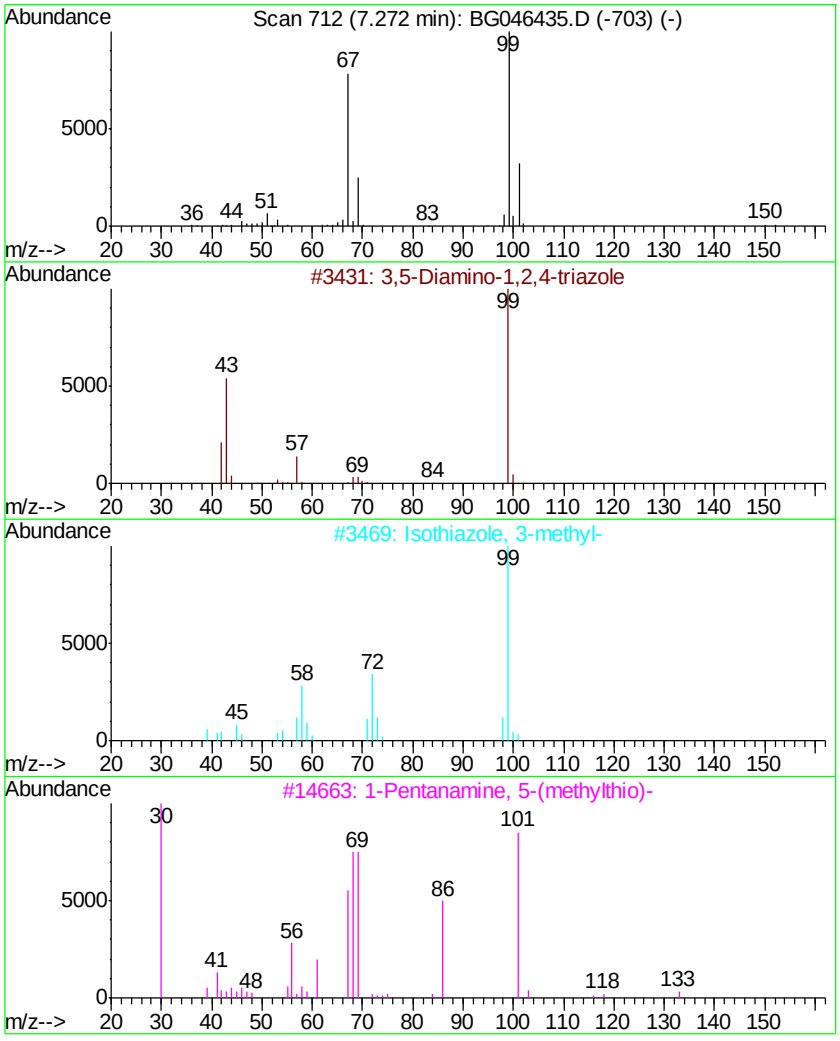
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

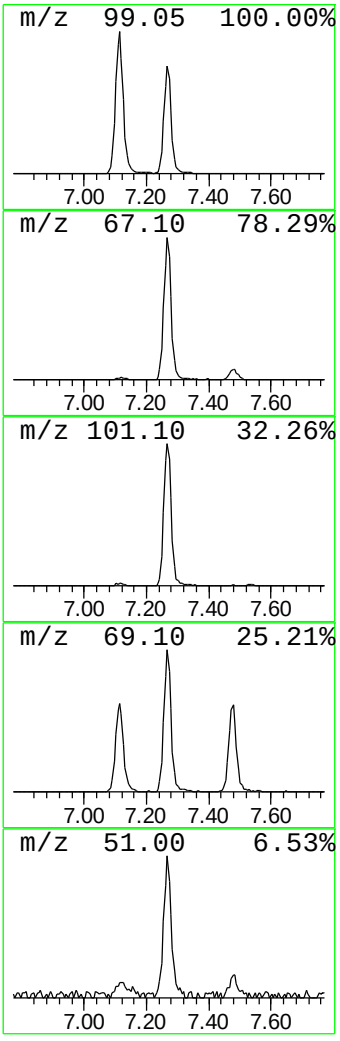
**********

Peak Number 3 unknown-01 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.27 | 15.60 ng/ul | 340250 | 1,4-Dichlorobenzene-d4 | 7.94 |

| 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 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 7 |
| 5 | Cyclopropane, isothiocyanato- | 99 | C4H5NS | 056601-42-4 | 7 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

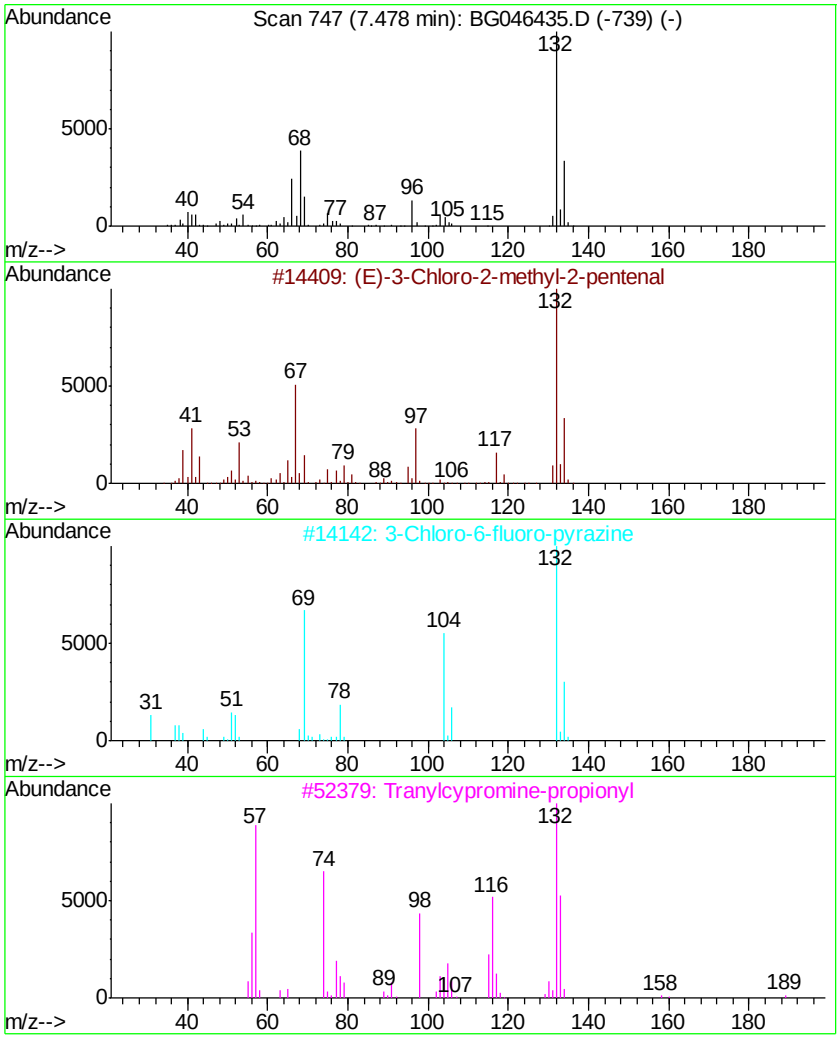
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

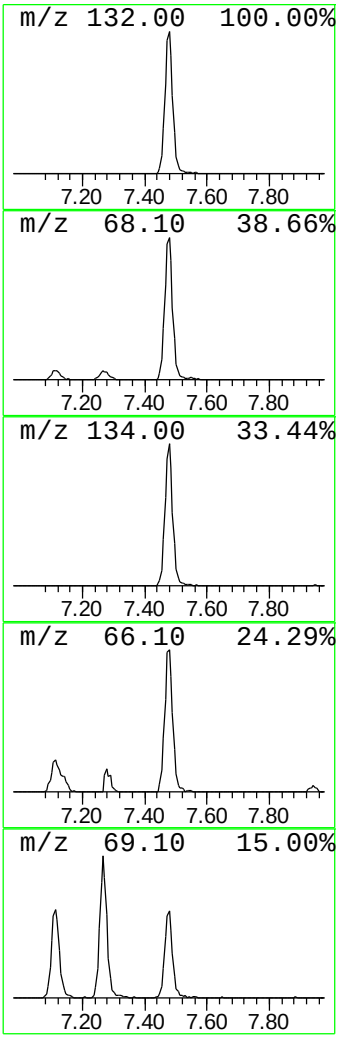
**********

Peak Number 4 unknown-02 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.48 | 21.06 ng/ul | 459257 | 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 | 16 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 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 : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

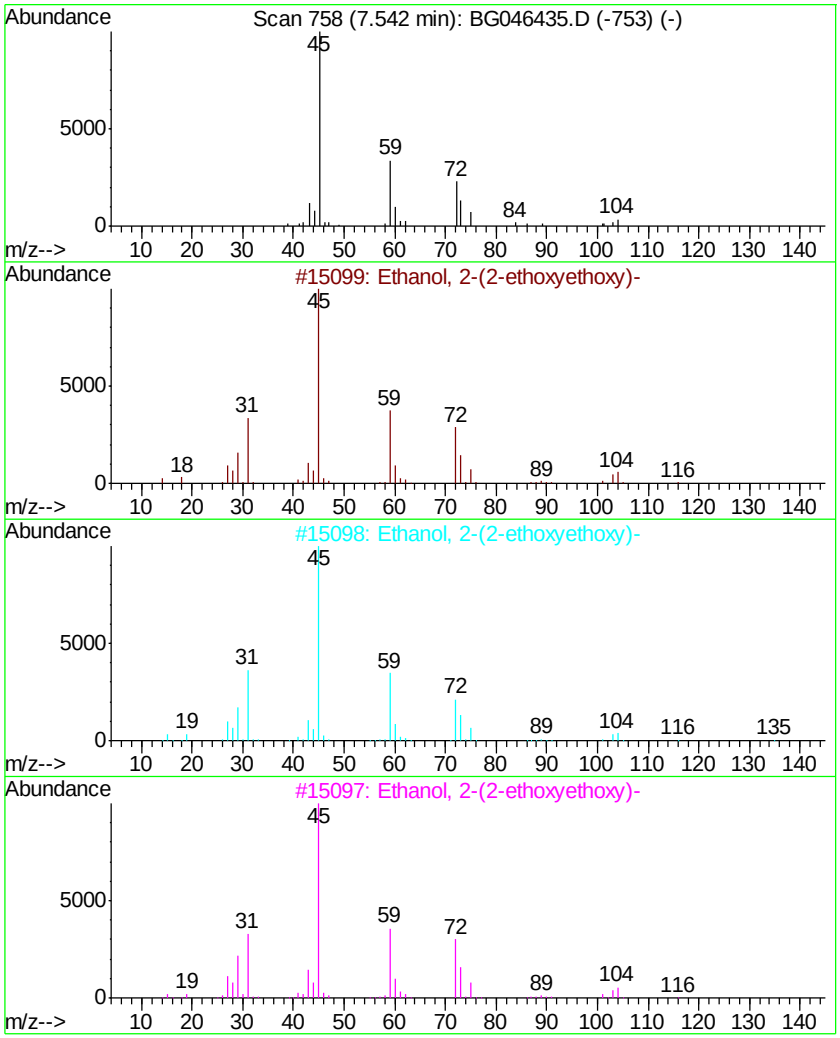
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

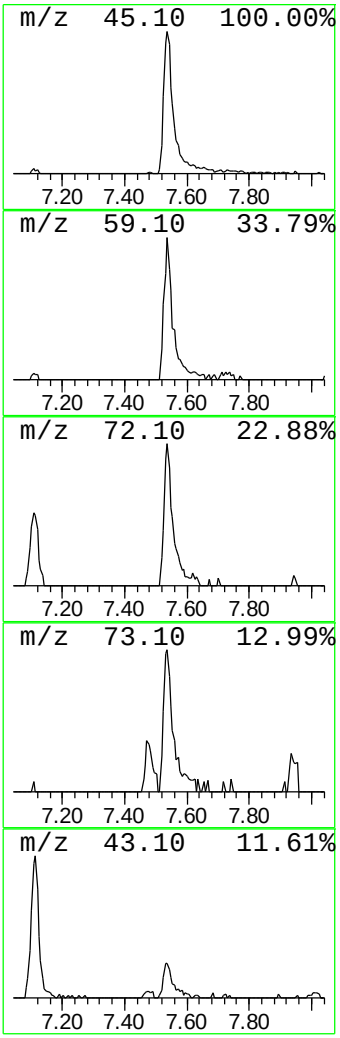
**********

Peak Number 5 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.54 | 3.28 ng/ul | 71636 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 83 |
| 2 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 83 |
| 3 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 83 |
| 4 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 78 |
| 5 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

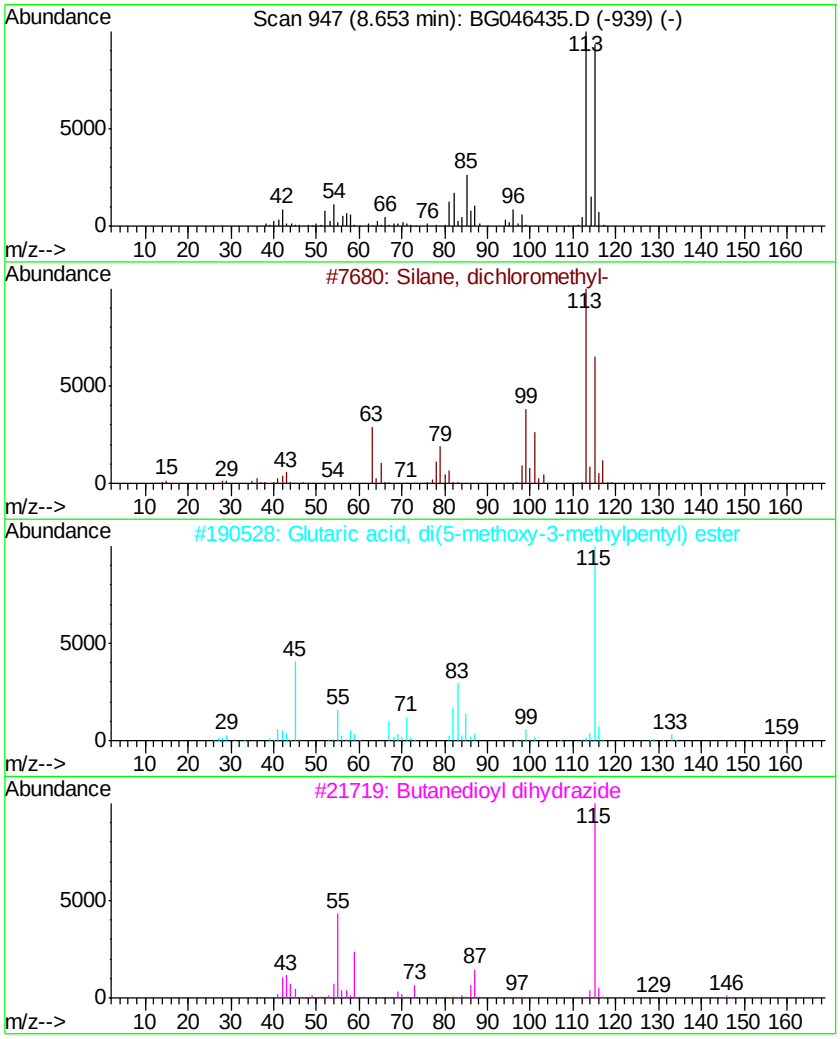
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

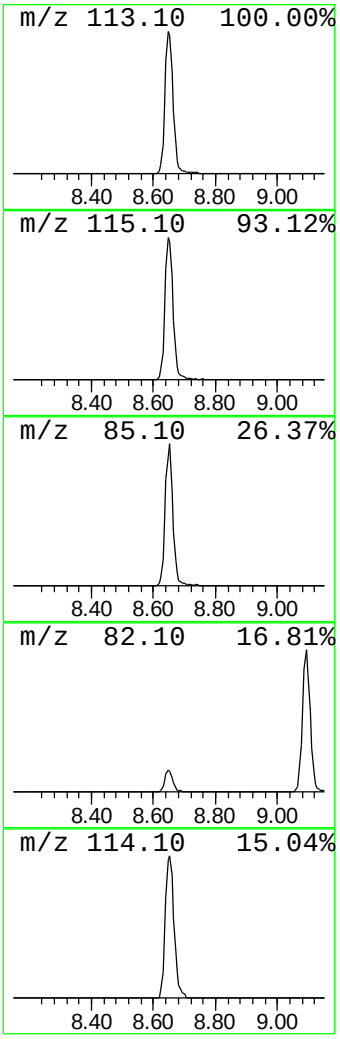
**********

Peak Number 6 unknown-03 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.65 | 27.05 ng/ul | 589990 | 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 | Glutaric acid, di(5-methoxy-3-me... | 360 | C19H36O6 | 1000360-08-3 | 35 |
| 3 | Butanedioyl dihydrazide | 146 | C4H10N4O2 | 004146-43-4 | 35 |
| 4 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 32 |
| 5 | Heptanoic acid, anhydride | 242 | C14H26O3 | 000626-27-7 | 32 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

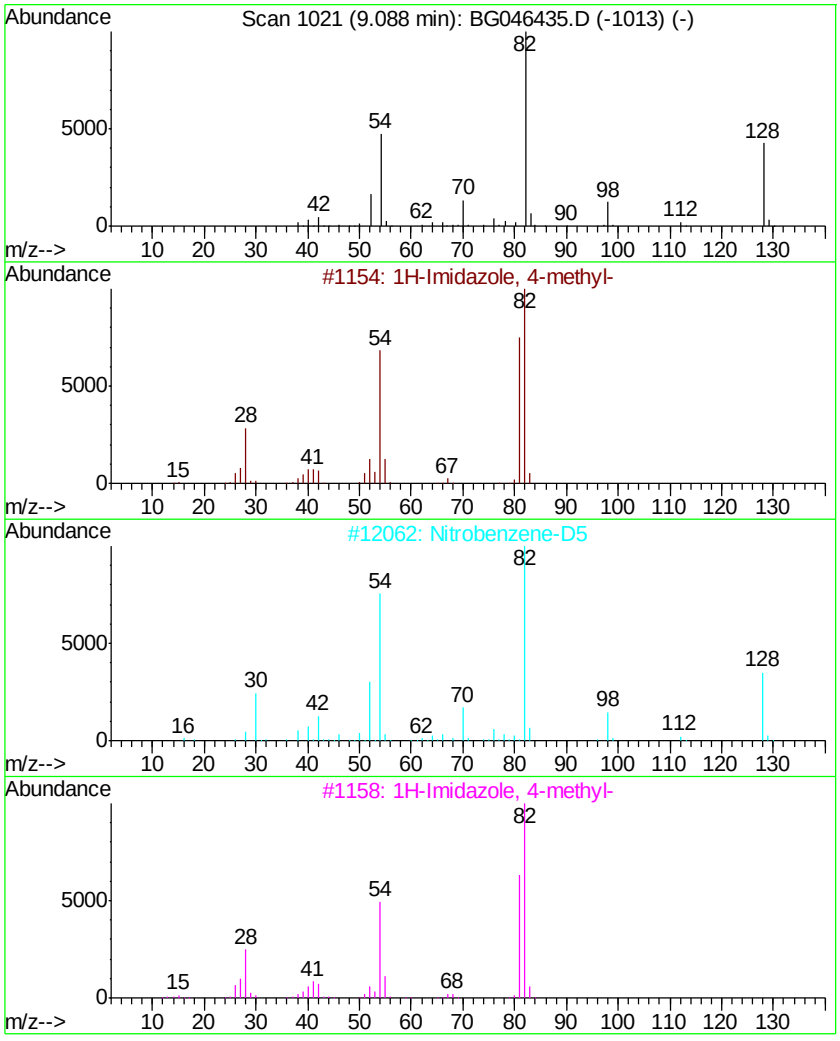
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

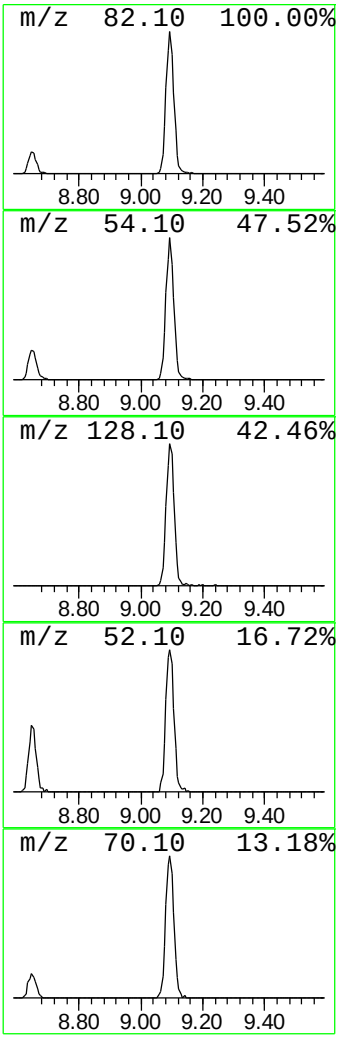
**********

Peak Number 7 1H-Imidazole, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 20.48 ng/ul | 446563 | 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 | 38 |
| 3 | 1H-Imidazole, 4-methyl- | 82 | C4H6N2 | 000822-36-6 | 38 |
| 4 | 1H-Imidazole, 2-methyl- | 82 | C4H6N2 | 000693-98-1 | 38 |
| 5 | Nitrobenzene-D5 | 128 | C6D5NO2 | 004165-60-0 | 37 |



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Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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

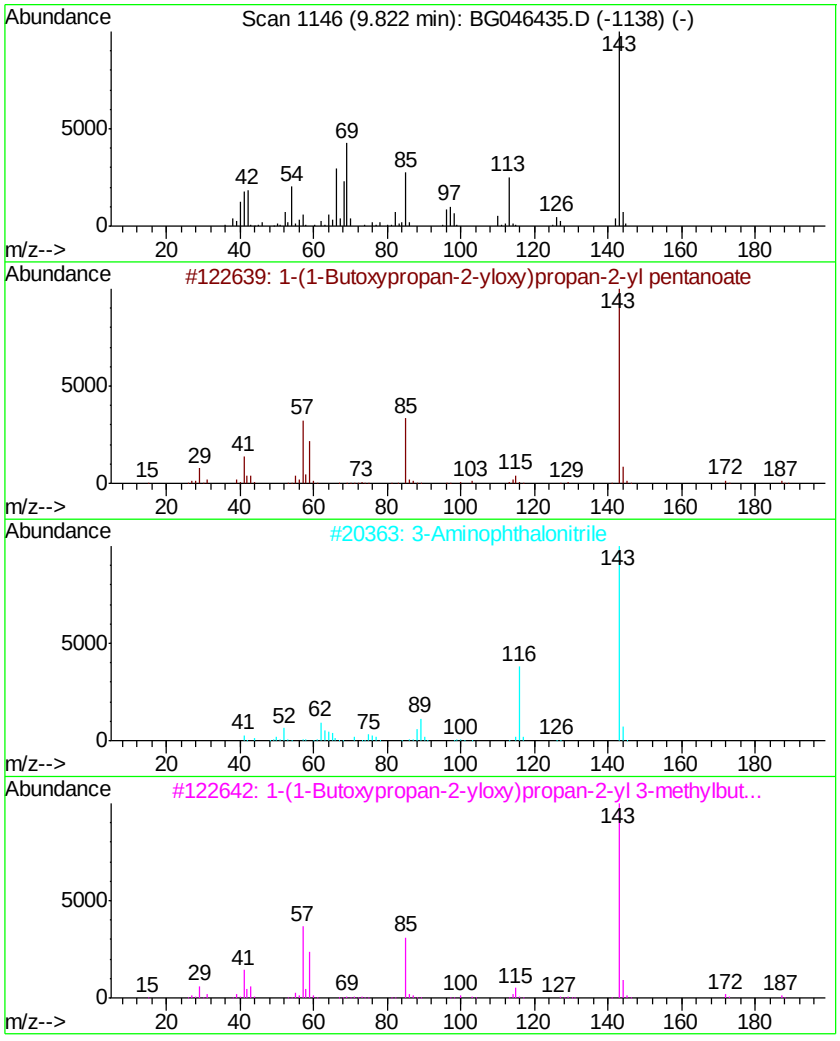
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

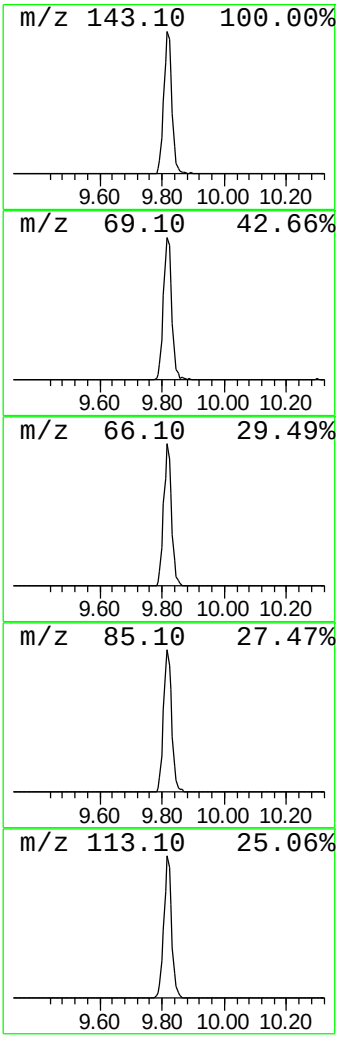
**********

Peak Number 8 unknown-04 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.82 | 11.44 ng/ul | 387195 | Naphthalene-d8 | 10.74 |

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



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Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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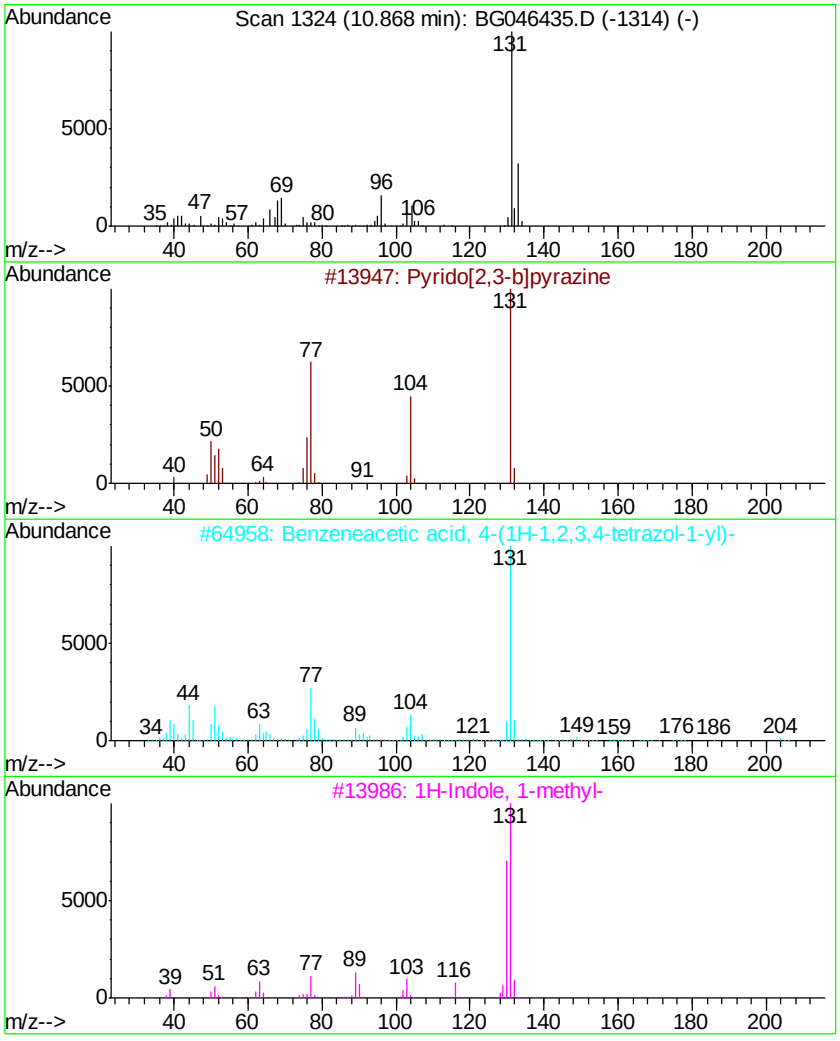
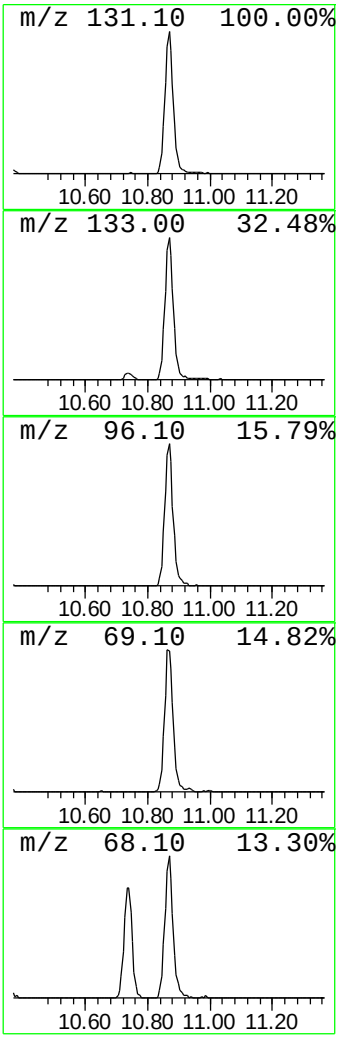
Peak Number 9 unknown-05 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.87 | 17.88 ng/ul | 605014 | 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 | 1H-Indole, 1-methyl- | 131 | C9H9N | 000603-76-9 | 28 |
| 4 | Benzene, (2-propynyloxy)- | 132 | C9H8O | 013610-02-1 | 9 |
| 5 | 4-Pyrimidinamine, 2,6-difluoro- | 131 | C4H3F2N3 | 000675-12-7 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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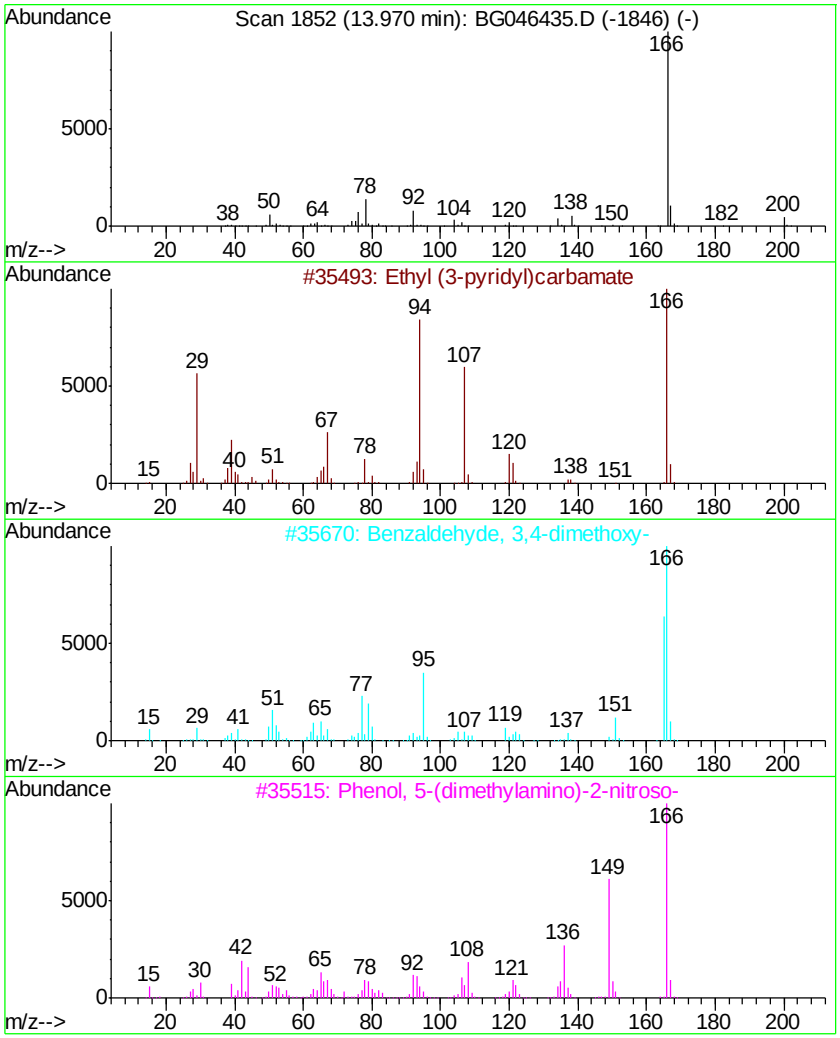
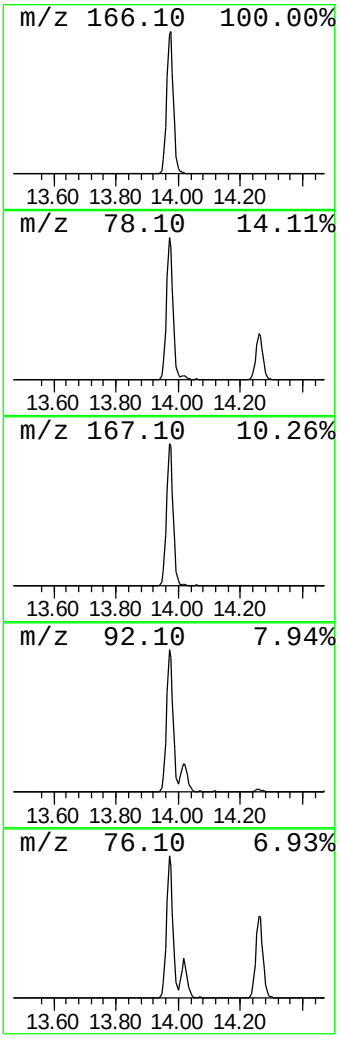
Peak Number 10 unknown-06 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 19.46 ng/ul | 954758 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl (3-pyridyl)carbamate | 166 | C8H10N2O2 | 006276-11-5 | 39 |
| 2 | Benzaldehyde, 3,4-dimethoxy- | 166 | C9H10O3 | 000120-14-9 | 38 |
| 3 | Phenol, 5-(dimethylamino)-2-nitr... | 166 | C8H10N2O2 | 016761-04-9 | 38 |
| 4 | Benzenamine, N,N-dimethyl-4-nitro- | 166 | C8H10N2O2 | 000100-23-2 | 38 |
| 5 | 3,5-Diamino-2-methylbenzoic acid | 166 | C8H10N2O2 | 090007-30-0 | 36 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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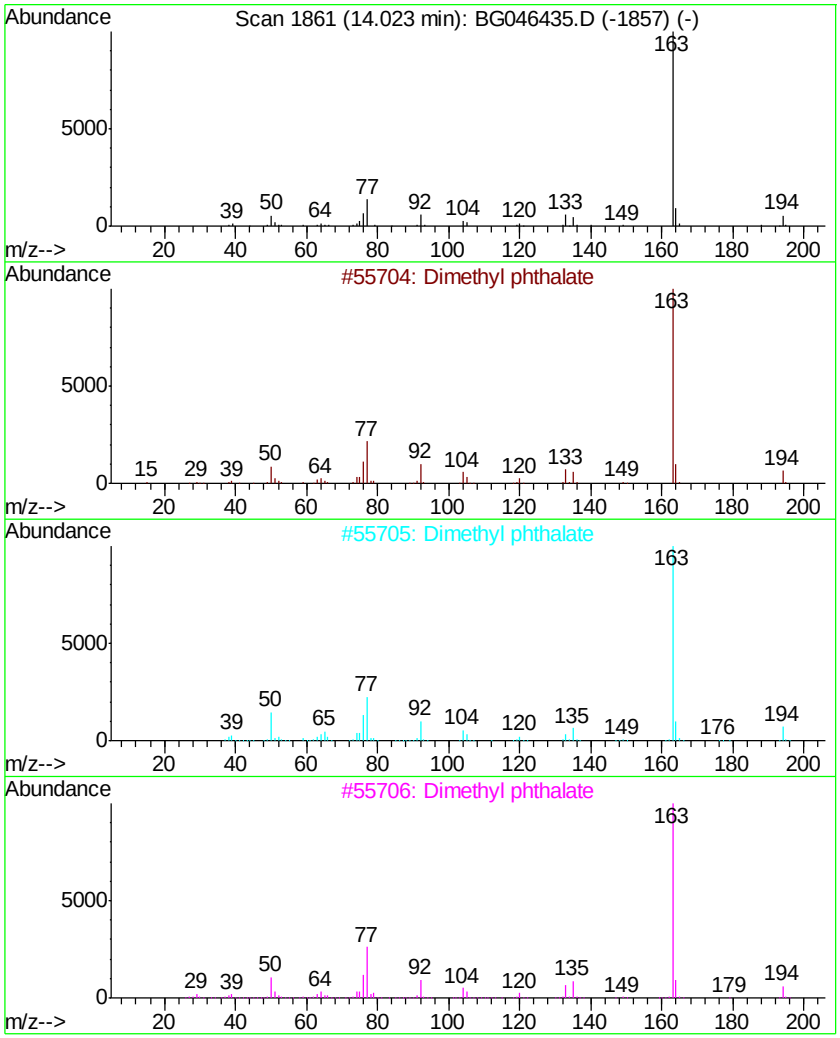
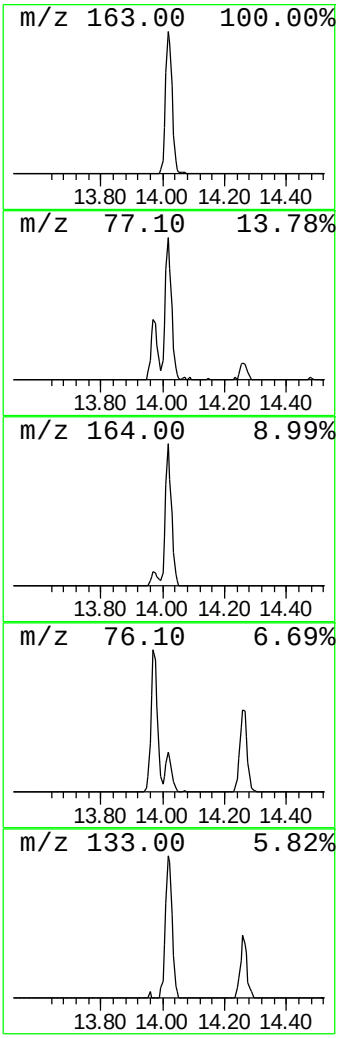
Peak Number 11 Dimethyl phthalate Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 4.20 ng/ul | 206278 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl phthalate | 194 | C10H10O4 | 000131-11-3 | 92 |
| 2 | Dimethyl phthalate | 194 | C10H10O4 | 000131-11-3 | 91 |
| 3 | Dimethyl phthalate | 194 | C10H10O4 | 000131-11-3 | 90 |
| 4 | Benzoic acid, 2-(1-oxopropyl)-, ... | 192 | C11H12O3 | 032025-37-9 | 78 |
| 5 | Methyl 4-methylpentyl phthalate | 264 | C15H20O4 | 1000373-82-6 | 78 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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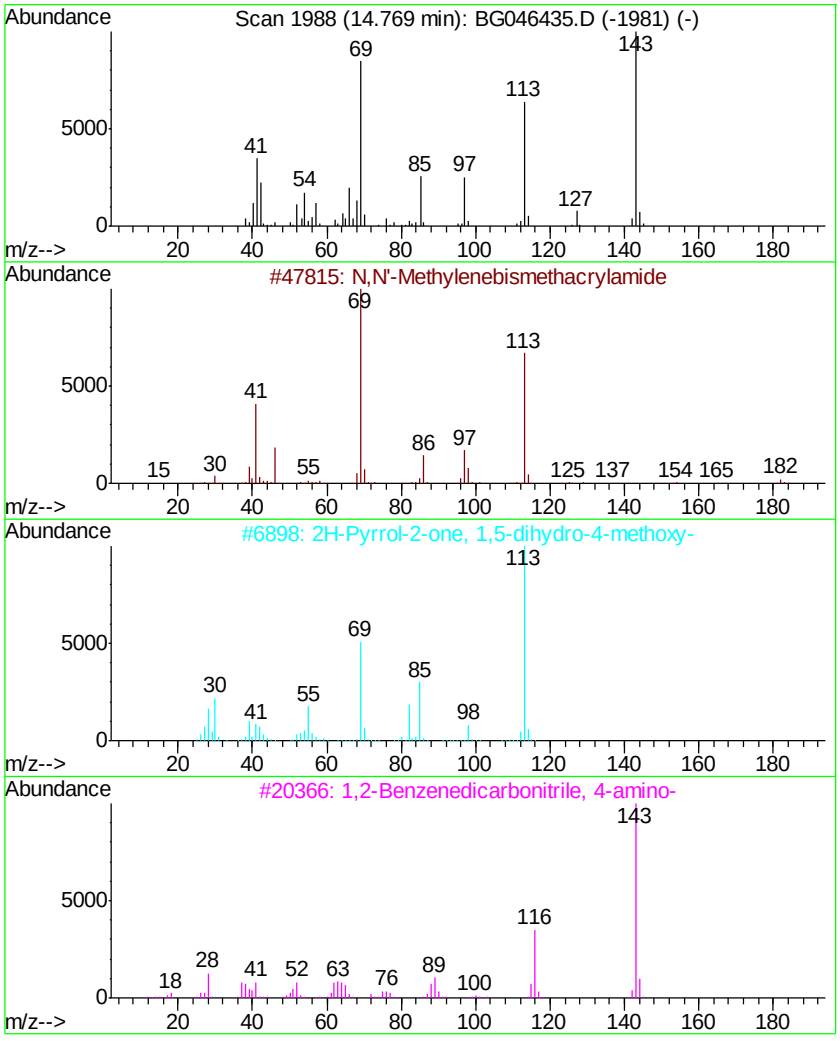
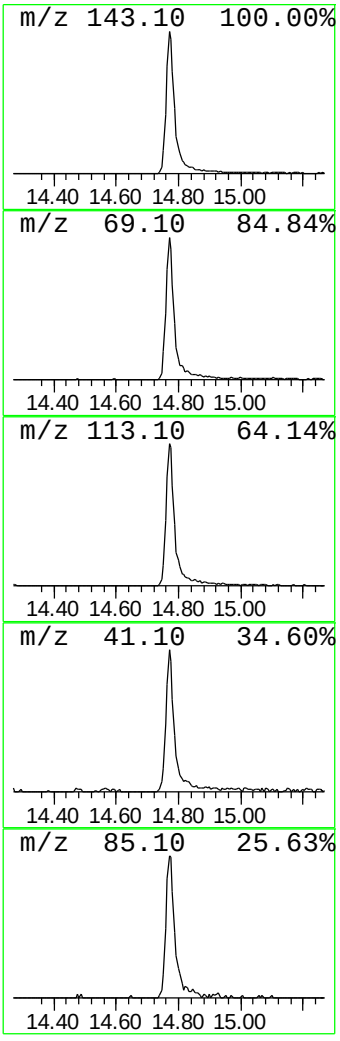
Peak Number 12 unknown-07 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.77 | 7.49 ng/ul | 367578 | Acenaphthene-d10 | 14.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N'-Methylenebismethacrylamide | 182 | C9H14N2O2 | 002359-15-1 | 12 |
| 2 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 11 |
| 3 | 1,2-Benzenedicarbonitrile, 4-amino- | 143 | C8H5N3 | 056765-79-8 | 10 |
| 4 | 1,2-Benzenedicarbonitrile, 4-amino- | 143 | C8H5N3 | 056765-79-8 | 10 |
| 5 | Cyclopentanecarboxylic acid, eth... | 140 | C8H12O2 | 016523-06-1 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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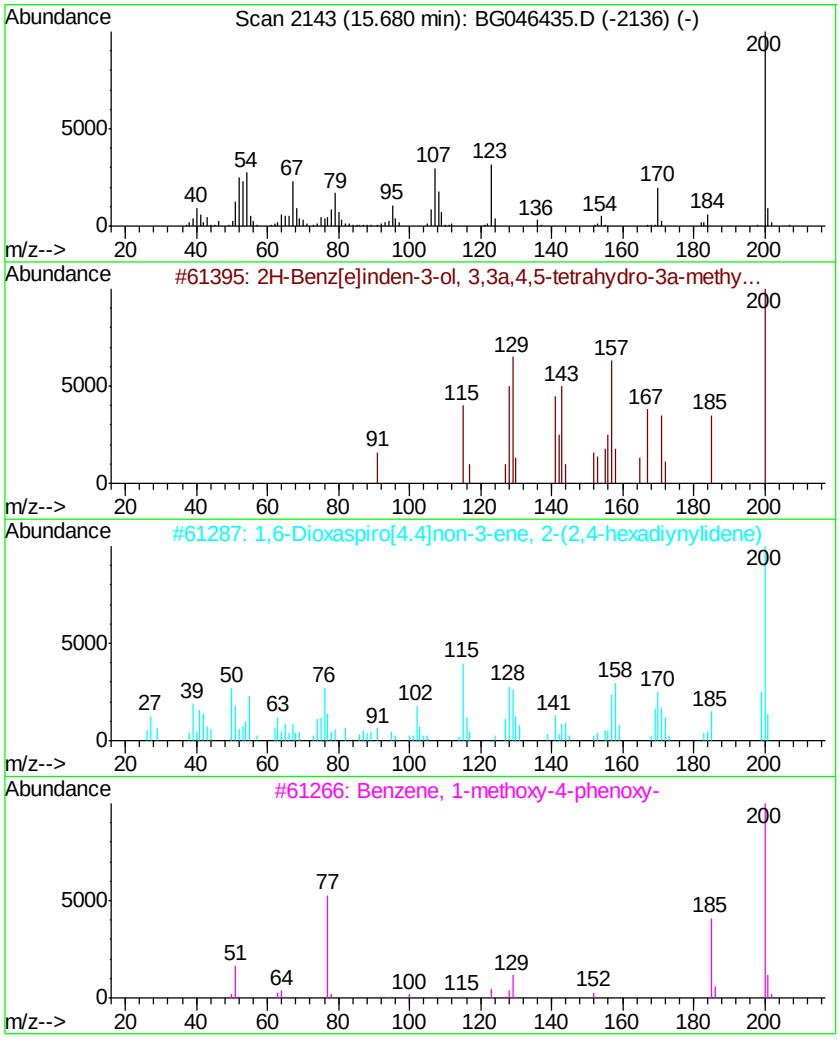
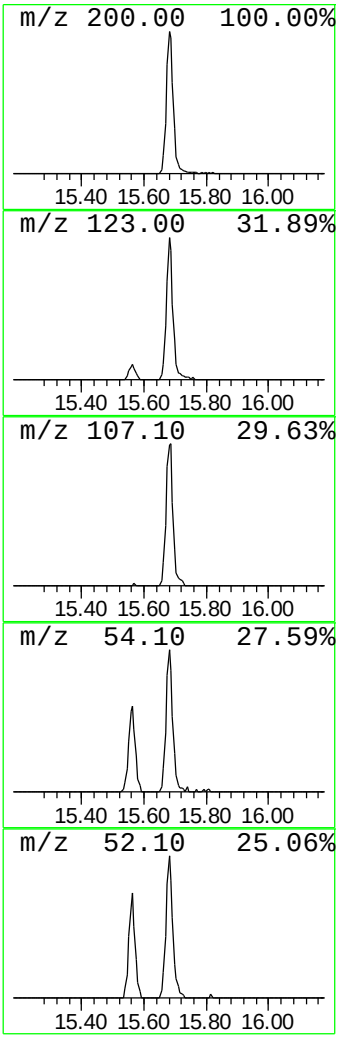
Peak Number 13 unknown-08 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 5.18 ng/ul | 254322 | 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 | 1,6-Dioxaspiro[4.4]non-3-ene, 2-... | 200 | C13H12O2 | 016863-61-9 | 16 |
| 3 | Benzene, 1-methoxy-4-phenoxy- | 200 | C13H12O2 | 001655-69-2 | 14 |
| 4 | Tetrafluoroisophthalonitrile | 200 | C8F4N2 | 002377-81-3 | 14 |
| 5 | 4,6(1H,5H)-Pyrimidinedione, 1,3-... | 200 | C8H12N2O2S | 005217-47-0 | 14 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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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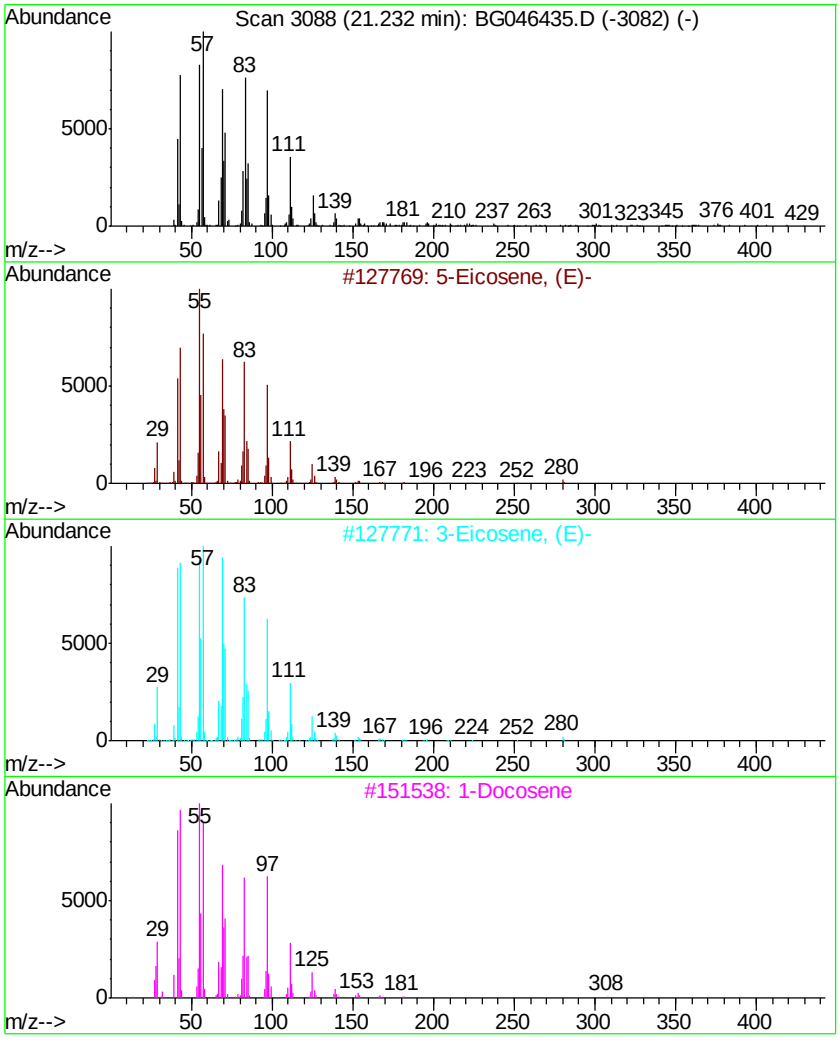
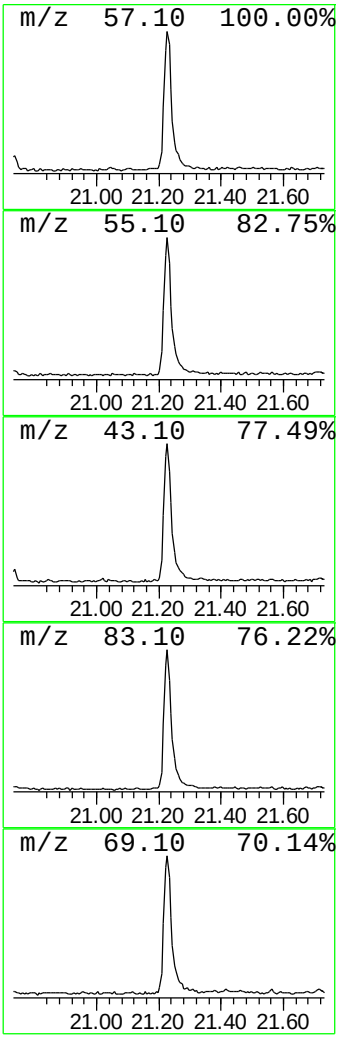
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.23 | 7.94 ng/ul | 526057 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 99 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 96 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 95 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046435.D
Acq On : 22 Aug 2020 6:10
Operator : CG/JU
Sample : L3649-18
Misc :
ALS Vial : 99 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMY5

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 | 24.1 | ng/ul | 525271 | 1 | 7.94 | 436192 | 20.0 |
| Hexanoic acid, an... | 7.11 | 22.1 | ng/ul | 481573 | 1 | 7.94 | 436192 | 20.0 |
| unknown-01 | 7.27 | 15.6 | ng/ul | 340250 | 1 | 7.94 | 436192 | 20.0 |
| unknown-02 | 7.48 | 21.1 | ng/ul | 459257 | 1 | 7.94 | 436192 | 20.0 |
| Ethanol, 2-(2-eth... | 7.54 | 3.3 | ng/ul | 71636 | 1 | 7.94 | 436192 | 20.0 |
| unknown-03 | 8.65 | 27.1 | ng/ul | 589990 | 1 | 7.94 | 436192 | 20.0 |
| 1H-Imidazole, 4-m... | 9.09 | 20.5 | ng/ul | 446563 | 1 | 7.94 | 436192 | 20.0 |
| unknown-04 | 9.82 | 11.4 | ng/ul | 387195 | 2 | 10.74 | 676666 | 20.0 |
| unknown-05 | 10.87 | 17.9 | ng/ul | 605014 | 2 | 10.74 | 676666 | 20.0 |
| unknown-06 | 13.97 | 19.5 | ng/ul | 954758 | 3 | 14.57 | 981337 | 20.0 |
| Dimethyl phthalate | 14.02 | 4.2 | ng/ul | 206278 | 3 | 14.57 | 981337 | 20.0 |
| unknown-07 | 14.77 | 7.5 | ng/ul | 367578 | 3 | 14.57 | 981337 | 20.0 |
| unknown-08 | 15.68 | 5.2 | ng/ul | 254322 | 3 | 14.57 | 981337 | 20.0 |
| (DEL) Alkane: Str... | 21.23 | 7.9 | ng/ul | 526057 | 5 | 21.56 | 1324350 | 20.0 |