LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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 | 3.143 | 4 | 9 | 20 | rVB | 525520 | 777344 | 29.05% | 3.058% |
| 2 | 3.395 | 48 | 52 | 63 | rVB2 | 21412 | 41193 | 1.54% | 0.162% |
| 3 | 4.053 | 159 | 164 | 167 | rBV4 | 6053 | 10158 | 0.38% | 0.040% |
| 4 | 4.141 | 174 | 179 | 183 | rBV3 | 5925 | 8593 | 0.32% | 0.034% |
| 5 | 5.058 | 331 | 335 | 337 | rBV3 | 3142 | 3704 | 0.14% | 0.015% |
| 6 | 5.593 | 422 | 426 | 428 | rBV2 | 5116 | 5926 | 0.22% | 0.023% |
| 7 | 5.957 | 483 | 488 | 492 | rBV4 | 3279 | 6193 | 0.23% | 0.024% |
| 8 | 7.109 | 678 | 684 | 696 | rBV | 76416 | 145943 | 5.45% | 0.574% |
| 9 | 7.267 | 704 | 711 | 723 | rBV | 246593 | 426641 | 15.94% | 1.678% |
| 10 | 7.473 | 739 | 746 | 754 | rBV | 277432 | 472715 | 17.66% | 1.860% |
| 11 | 7.538 | 754 | 757 | 766 | rVB | 11566 | 23965 | 0.90% | 0.094% |
| 12 | 7.937 | 818 | 825 | 833 | rBV | 319462 | 535868 | 20.02% | 2.108% |
| 13 | 8.008 | 833 | 837 | 843 | rVB2 | 6261 | 10640 | 0.40% | 0.042% |
| 14 | 8.642 | 937 | 945 | 957 | rBV | 221593 | 391707 | 14.64% | 1.541% |
| 15 | 8.760 | 962 | 965 | 970 | rVB4 | 3360 | 5997 | 0.22% | 0.024% |
| 16 | 9.089 | 1013 | 1021 | 1035 | rVB | 297898 | 533555 | 19.94% | 2.099% |
| 17 | 9.817 | 1136 | 1145 | 1155 | rBV | 251115 | 461830 | 17.26% | 1.817% |
| 18 | 10.358 | 1229 | 1237 | 1249 | rBV | 399255 | 722204 | 26.99% | 2.841% |
| 19 | 10.434 | 1249 | 1250 | 1255 | rVB4 | 2346 | 3005 | 0.11% | 0.012% |
| 20 | 10.522 | 1261 | 1265 | 1270 | rBV5 | 3887 | 7404 | 0.28% | 0.029% |
| 21 | 10.734 | 1294 | 1301 | 1314 | rBV | 453127 | 811193 | 30.31% | 3.191% |
| 22 | 10.869 | 1317 | 1324 | 1331 | rBV2 | 24207 | 46347 | 1.73% | 0.182% |
| 23 | 12.326 | 1564 | 1572 | 1580 | rBV3 | 5848 | 11870 | 0.44% | 0.047% |
| 24 | 12.931 | 1670 | 1675 | 1679 | rBV5 | 2166 | 3361 | 0.13% | 0.013% |
| 25 | 13.178 | 1714 | 1717 | 1722 | rBV3 | 2100 | 3283 | 0.12% | 0.013% |
| 26 | 13.407 | 1750 | 1756 | 1760 | rBV4 | 2408 | 3505 | 0.13% | 0.014% |
| 27 | 13.472 | 1763 | 1767 | 1774 | rVB5 | 1738 | 3342 | 0.12% | 0.013% |
| 28 | 13.971 | 1845 | 1852 | 1857 | rBV | 792911 | 1157805 | 43.26% | 4.555% |
| 29 | 14.018 | 1857 | 1860 | 1872 | rVB | 151943 | 205792 | 7.69% | 0.810% |
| 30 | 14.259 | 1889 | 1901 | 1917 | rBV | 922908 | 1468927 | 54.89% | 5.779% |
| 31 | 14.565 | 1946 | 1953 | 1963 | rVV | 745014 | 1168157 | 43.65% | 4.596% |
| 32 | 14.764 | 1981 | 1987 | 2004 | rBV3 | 43657 | 119162 | 4.45% | 0.469% |
| 33 | 15.375 | 2086 | 2091 | 2096 | rBV3 | 2579 | 4010 | 0.15% | 0.016% |
| 34 | 15.558 | 2115 | 2122 | 2132 | rBV | 1282511 | 1892320 | 70.71% | 7.445% |

LSC Area Percent Report

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Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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 | 15.675 | 2135 | 2142 | 2158 | rVV | 320147 | 499226 | 18.65% | 1.964% |
| 36 | 15.798 | 2158 | 2163 | 2168 | rVB3 | 14899 | 21786 | 0.81% | 0.086% |
| 37 | 15.922 | 2177 | 2184 | 2187 | rBV4 | 3597 | 5468 | 0.20% | 0.022% |
| 38 | 16.345 | 2252 | 2256 | 2260 | rVB2 | 5904 | 7505 | 0.28% | 0.030% |
| 39 | 16.833 | 2335 | 2339 | 2343 | rBV4 | 2144 | 2863 | 0.11% | 0.011% |
| 40 | 17.091 | 2380 | 2383 | 2389 | rVB3 | 3712 | 6874 | 0.26% | 0.027% |
| 41 | 17.308 | 2410 | 2420 | 2429 | rBV | 931332 | 1398571 | 52.26% | 5.502% |
| 42 | 17.408 | 2430 | 2437 | 2446 | rVV | 1478731 | 2152294 | 80.42% | 8.468% |
| 43 | 17.561 | 2457 | 2463 | 2468 | rBV6 | 4285 | 11164 | 0.42% | 0.044% |
| 44 | 17.978 | 2529 | 2534 | 2542 | rBV | 150934 | 199995 | 7.47% | 0.787% |
| 45 | 18.102 | 2551 | 2555 | 2559 | rVB2 | 5419 | 5915 | 0.22% | 0.023% |
| 46 | 18.207 | 2569 | 2573 | 2580 | rBV6 | 8317 | 15483 | 0.58% | 0.061% |
| 47 | 18.272 | 2580 | 2584 | 2589 | rVV | 5901 | 7667 | 0.29% | 0.030% |
| 48 | 18.460 | 2613 | 2616 | 2621 | rVB4 | 6171 | 6847 | 0.26% | 0.027% |
| 49 | 18.507 | 2621 | 2624 | 2626 | rBV3 | 2990 | 3294 | 0.12% | 0.013% |
| 50 | 18.842 | 2678 | 2681 | 2683 | rBV4 | 2334 | 2932 | 0.11% | 0.012% |
| 51 | 19.083 | 2720 | 2722 | 2726 | rBV3 | 2154 | 3047 | 0.11% | 0.012% |
| 52 | 19.142 | 2729 | 2732 | 2736 | rVB5 | 3942 | 4243 | 0.16% | 0.017% |
| 53 | 19.253 | 2749 | 2751 | 2756 | rBV5 | 2933 | 4517 | 0.17% | 0.018% |
| 54 | 19.330 | 2760 | 2764 | 2770 | rVV | 17381 | 25912 | 0.97% | 0.102% |
| 55 | 19.412 | 2776 | 2778 | 2780 | rVB3 | 3046 | 2752 | 0.10% | 0.011% |
| 56 | 19.447 | 2780 | 2784 | 2786 | rBV5 | 2834 | 3154 | 0.12% | 0.012% |
| 57 | 19.582 | 2802 | 2807 | 2811 | rVB | 17526 | 24621 | 0.92% | 0.097% |
| 58 | 19.629 | 2812 | 2815 | 2819 | rBV4 | 6924 | 6810 | 0.25% | 0.027% |
| 59 | 19.694 | 2819 | 2826 | 2833 | rBV | 1761726 | 2626433 | 98.14% | 10.333% |
| 60 | 20.211 | 2909 | 2914 | 2917 | rBV5 | 9578 | 16149 | 0.60% | 0.064% |
| 61 | 20.305 | 2929 | 2930 | 2933 | rBV3 | 3472 | 3831 | 0.14% | 0.015% |
| 62 | 20.563 | 2972 | 2974 | 2976 | rBV3 | 3718 | 2745 | 0.10% | 0.011% |
| 63 | 20.669 | 2990 | 2992 | 2994 | rVB3 | 8118 | 5298 | 0.20% | 0.021% |
| 64 | 20.951 | 3038 | 3040 | 3041 | rBV2 | 5457 | 3419 | 0.13% | 0.013% |
| 65 | 21.221 | 3081 | 3086 | 3095 | rBV | 218215 | 350084 | 13.08% | 1.377% |
| 66 | 21.551 | 3136 | 3142 | 3151 | rBV | 974429 | 1578585 | 58.98% | 6.210% |
| 67 | 21.762 | 3175 | 3178 | 3184 | rBV9 | 13861 | 24393 | 0.91% | 0.096% |
| 68 | 23.025 | 3389 | 3393 | 3398 | rVB2 | 30251 | 50811 | 1.90% | 0.200% |
| 69 | 23.801 | 3520 | 3525 | 3532 | rVB2 | 43708 | 84229 | 3.15% | 0.331% |
| 70 | 24.447 | 3625 | 3635 | 3651 | rVB | 986737 | 2676290 | 100.00% | 10.529% |
| 71 | 24.659 | 3661 | 3671 | 3690 | rVB2 | 601657 | 1770361 | 66.15% | 6.965% |

LSC Area Percent Report

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Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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 | 25.804 | 3859 | 3866 | 3877 | rVB3 | 56133 | 161288 | 6.03% | 0.635% |
| 73 | 27.097 | 4080 | 4086 | 4099 | rVB3 | 44126 | 147744 | 5.52% | 0.581% |

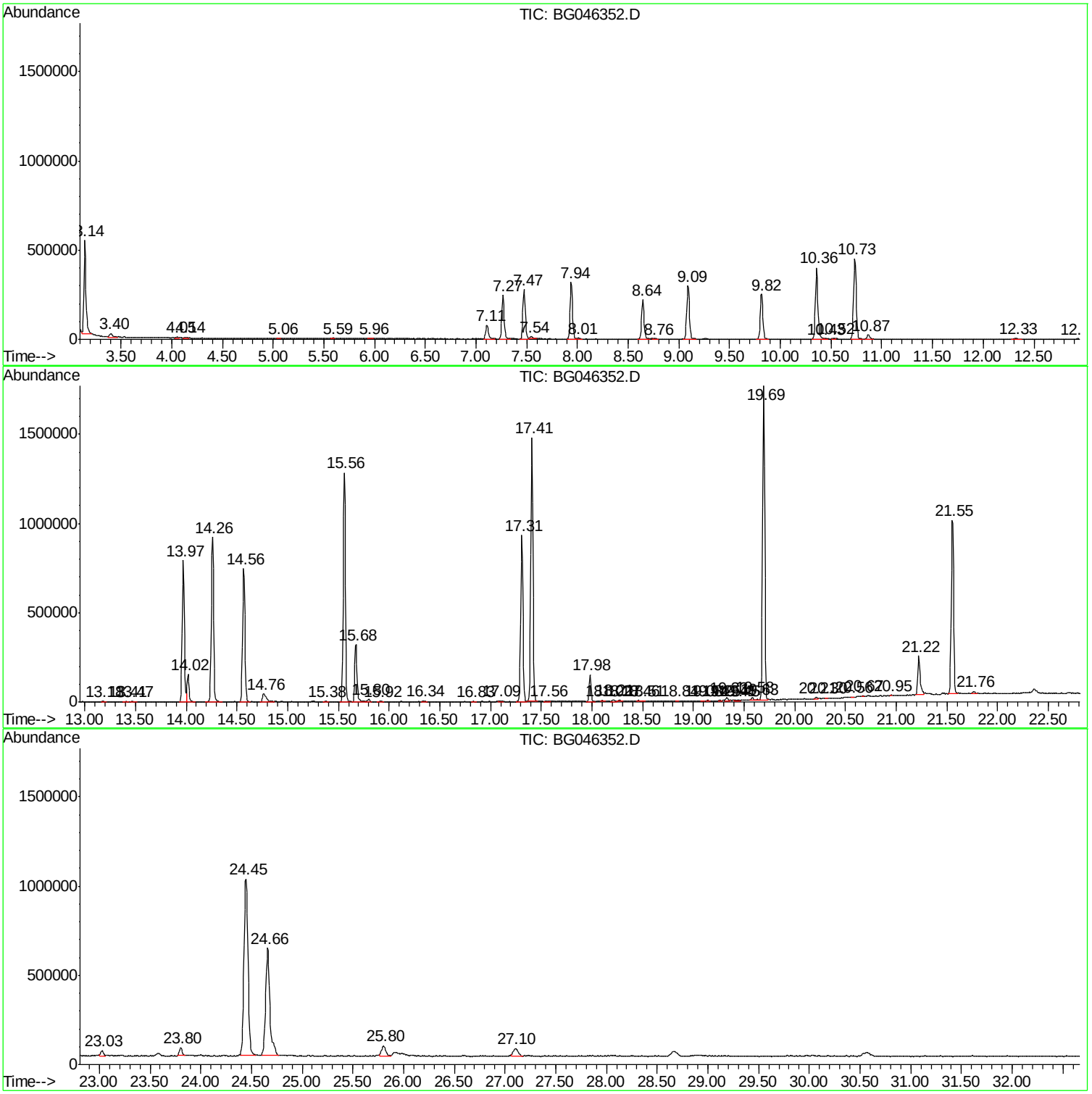
Sum of corrected areas: 25418259

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

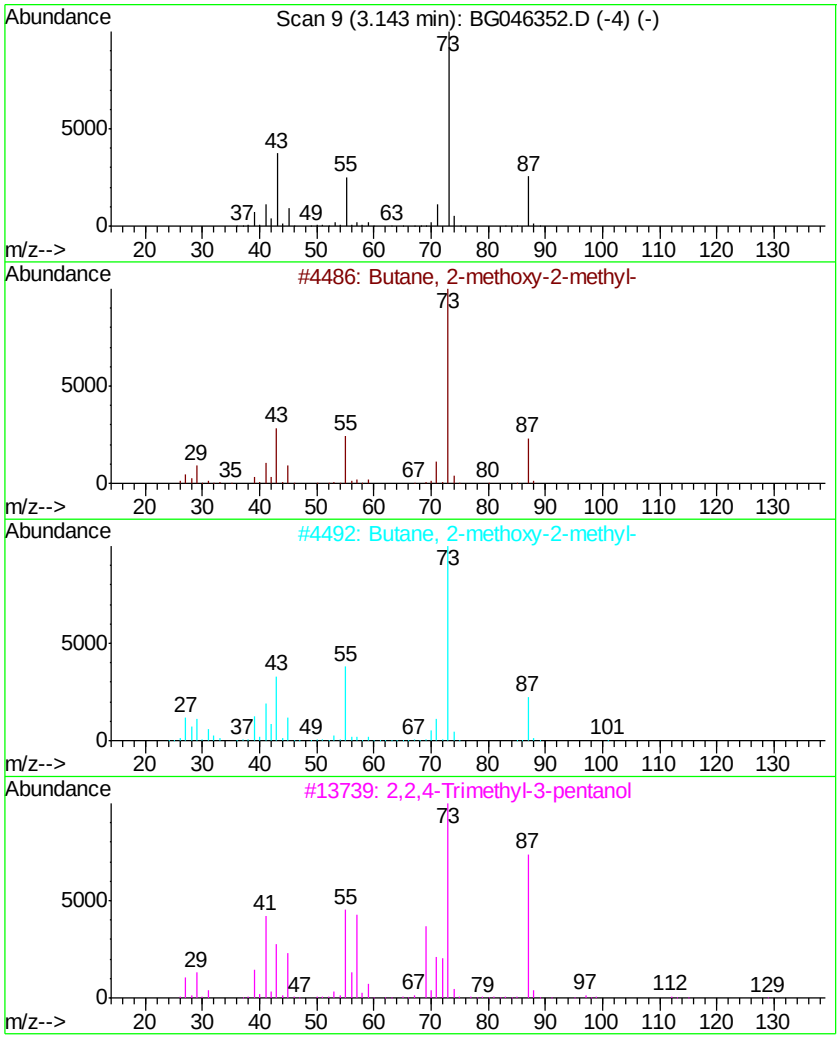
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

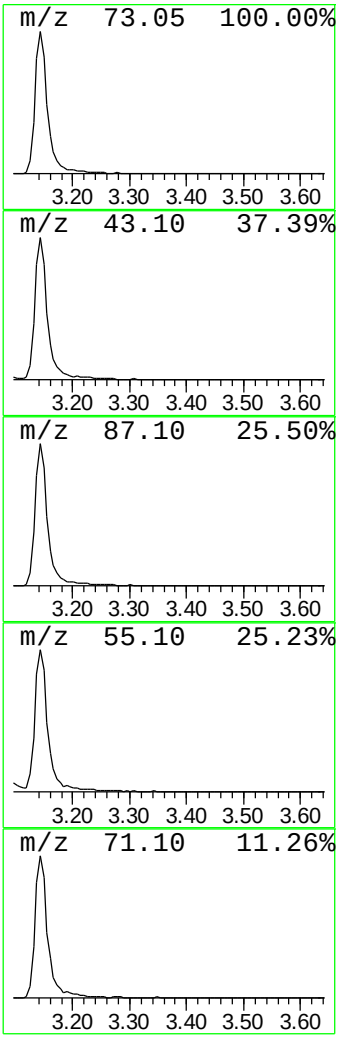
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.14 | 29.01 ng/ul | 777344 | 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 | 74 |
| 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 | 23 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

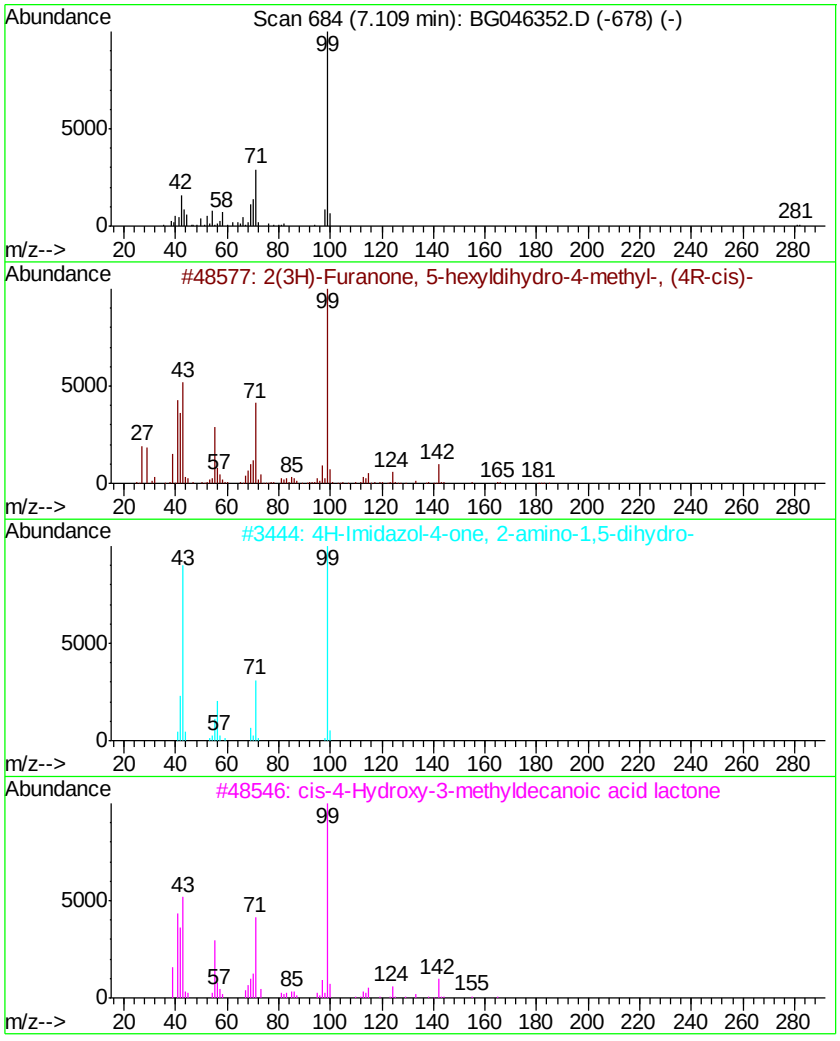
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

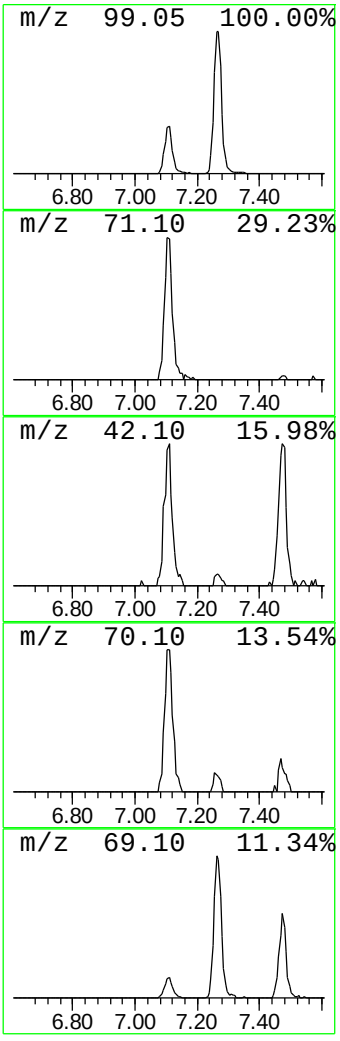
**********

Peak Number 2 2(3H)-Furanone, 5-hexyldihy... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.11 | 5.45 ng/ul | 145943 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(3H)-Furanone, 5-hexyldihydro-4... | 184 | C11H20O2 | 121644-12-0 | 64 |
| 2 | 4H-Imidazol-4-one, 2-amino-1,5-d... | 99 | C3H5N3O | 000503-86-6 | 64 |
| 3 | cis-4-Hydroxy-3-methyldecanoic a... | 184 | C11H20O2 | 147254-32-8 | 64 |
| 4 | 2(3H)-Furanone, 5-hexyldihydro-4... | 184 | C11H20O2 | 147254-33-9 | 56 |
| 5 | Hexanoic acid, 3-tridecyl ester | 298 | C19H38O2 | 1000279-29-2 | 56 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

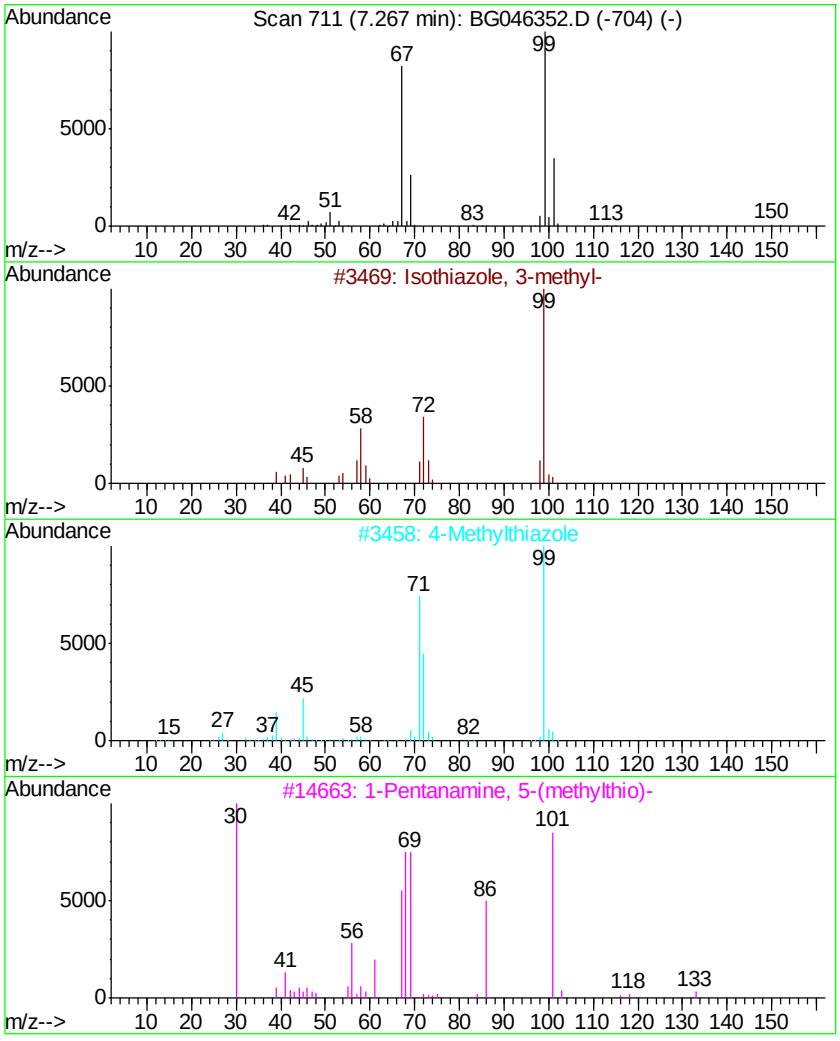
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

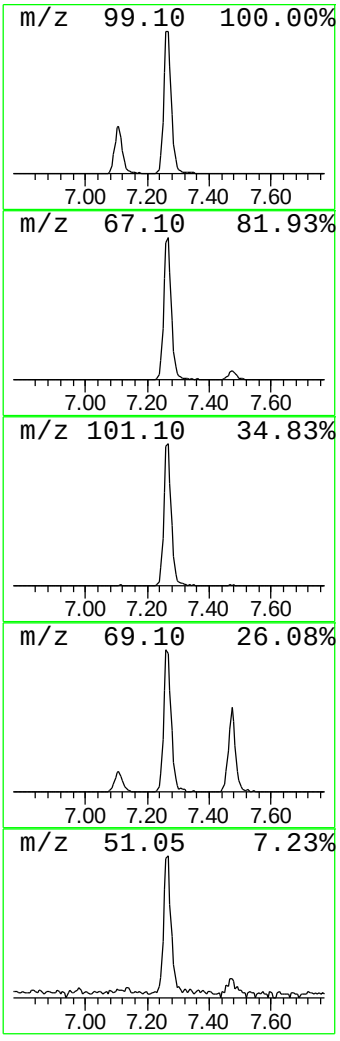
**********

Peak Number 3 unknown-01 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.27 | 15.92 ng/ul | 426641 | 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 | 4-Methylthiazole | 99 | C4H5NS | 000693-95-8 | 9 |
| 3 | 1-Pentanamine, 5-(methylthio)- | 133 | C6H15NS | 055021-78-8 | 9 |
| 4 | 1-Butyne, 3,3-dimethyl- | 82 | C6H10 | 000917-92-0 | 9 |
| 5 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 7 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

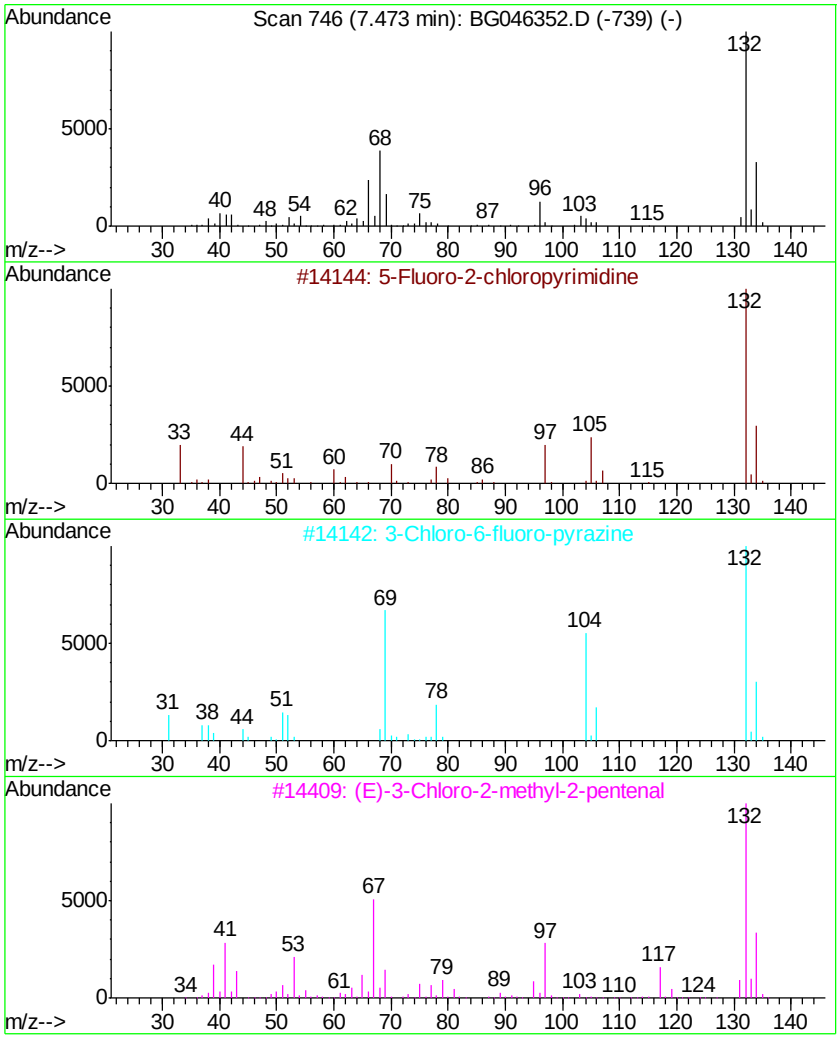
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

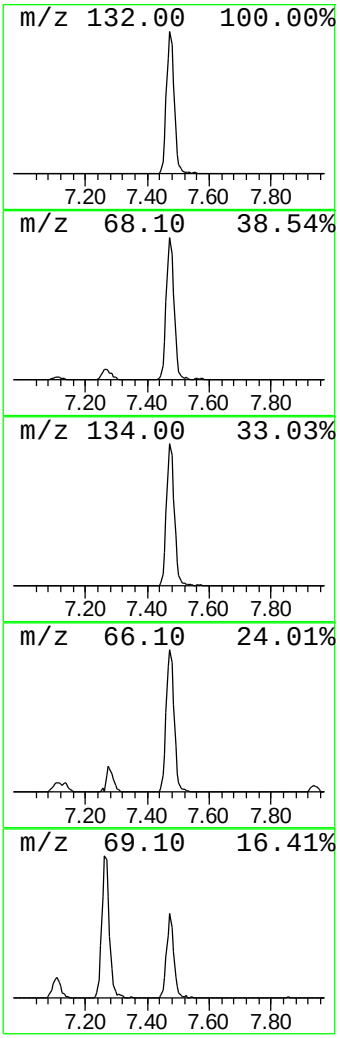
**********

Peak Number 4 unknown-02 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.47 | 17.64 ng/ul | 472715 | 1,4-Dichlorobenzene-d4 | 7.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | N-(-phenylisopropyl)benzaldimine | 223 | C16H17N | 1000379-01-3 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

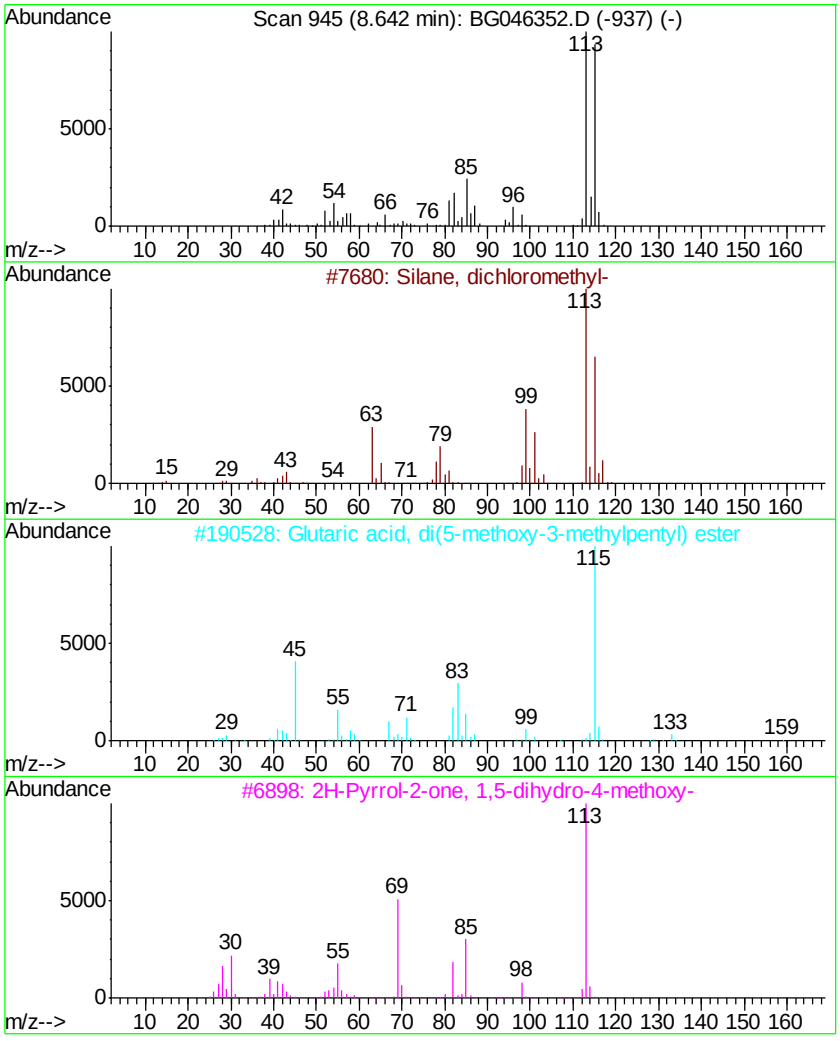
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

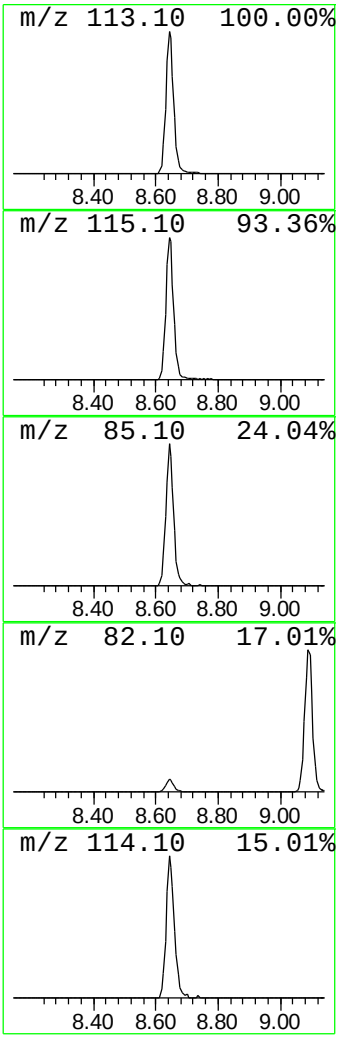
**********

Peak Number 5 unknown-03 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.64 | 14.62 ng/ul | 391707 | 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 | 2H-Pyrrol-2-one, 1,5-dihydro-4-m... | 113 | C5H7NO2 | 069778-83-2 | 32 |
| 4 | Butanedioyl dihydrazide | 146 | C4H10N4O2 | 004146-43-4 | 25 |
| 5 | 3,4-Methylpropylsuccinimide | 155 | C8H13NO2 | 1000248-78-0 | 25 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

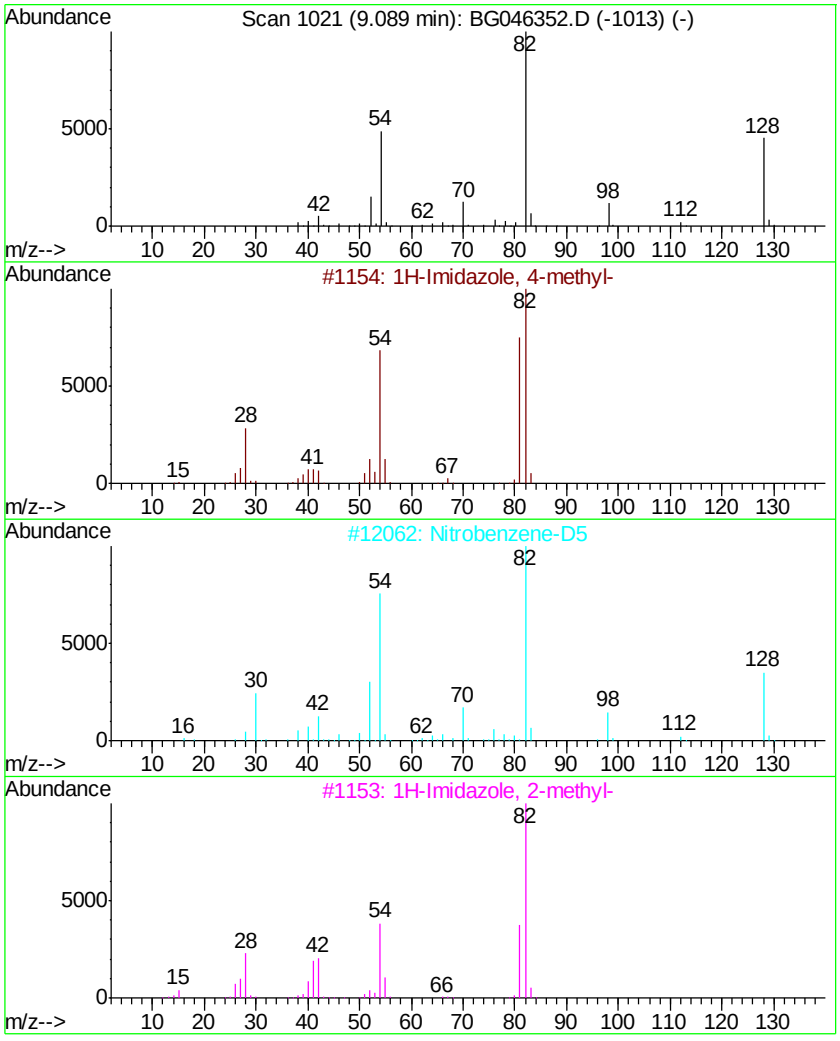
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

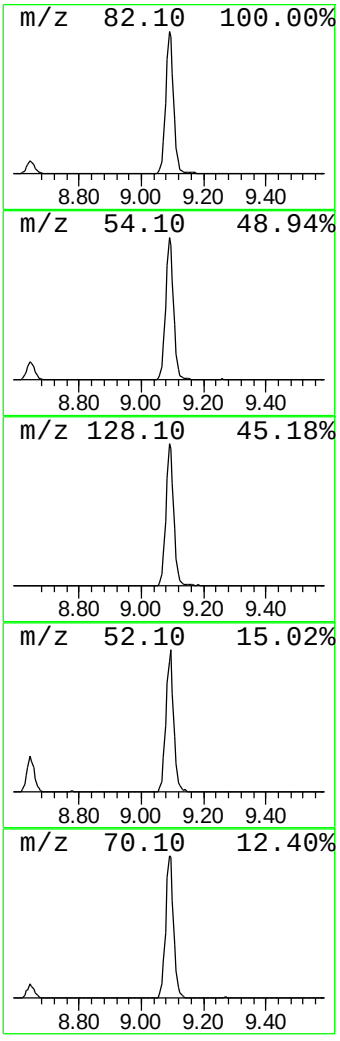
**********

Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 19.91 ng/ul | 533555 | 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, 2-methyl- | 82 | C4H6N2 | 000693-98-1 | 38 |
| 4 | Nitrobenzene-D5 | 128 | C6D5NO2 | 004165-60-0 | 37 |
| 5 | 1H-Imidazole, 2-methyl- | 82 | C4H6N2 | 000693-98-1 | 33 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

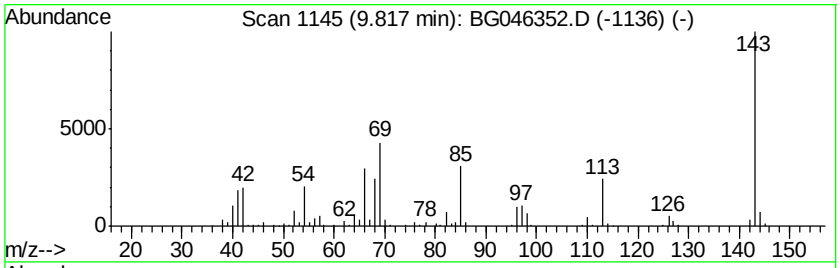
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

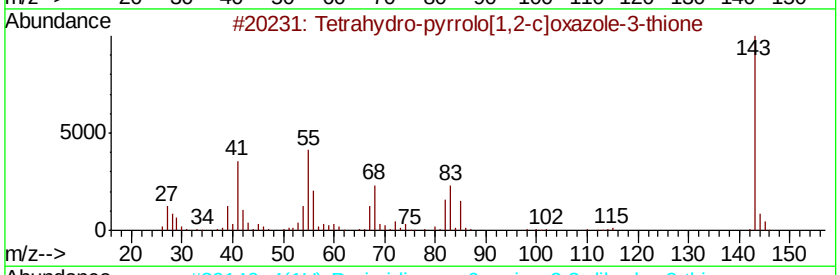
**********

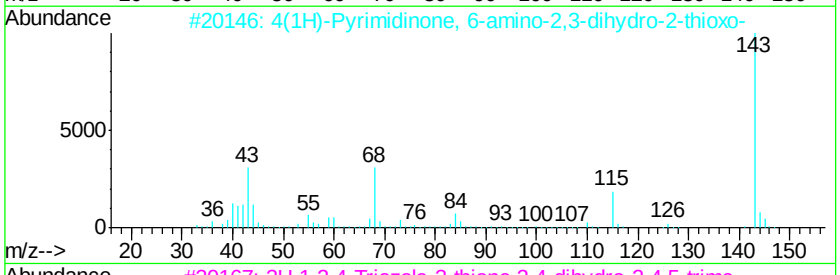
Peak Number 7 unknown-04 Concentration Rank 7

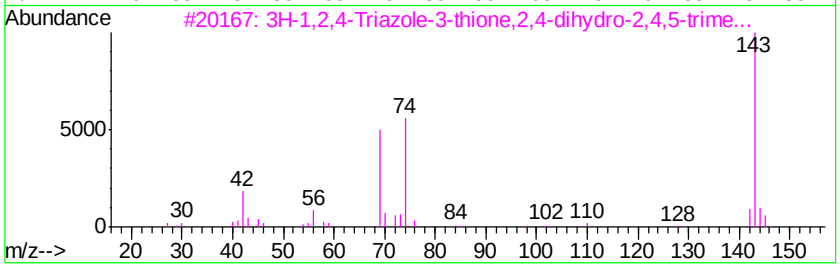
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.82 | 11.39 ng/ul | 461830 | Naphthalene-d8 | 10.73 |

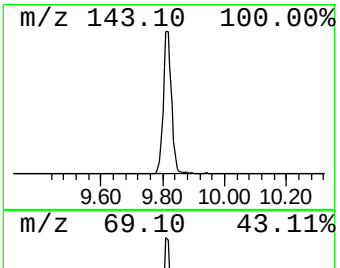
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetrahydro-pyrrolo[1,2-c]oxazole... | 143 | C6H9NOS | 1000190-53-6 | 17 |
| 2 | 4(1H)-Pyrimidinone, 6-amino-2,3-... | 143 | C4H5N3OS | 001004-40-6 | 12 |
| 3 | 3H-1,2,4-Triazole-3-thione,2,4-d... | 143 | C5H9N3S | 037526-42-4 | 12 |
| 4 | 1-(1-Butoxypropan-2-yloxy)propan... | 274 | C15H30O4 | 1000367-13-0 | 10 |
| 5 | 3-Aminophthalonitrile | 143 | C8H5N3 | 058632-96-5 | 10 |

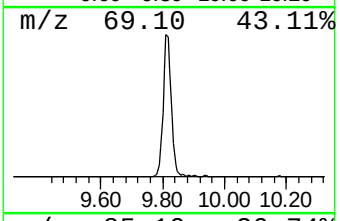


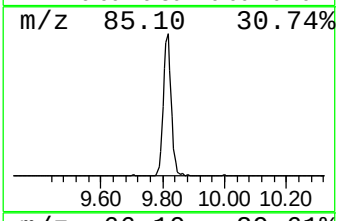



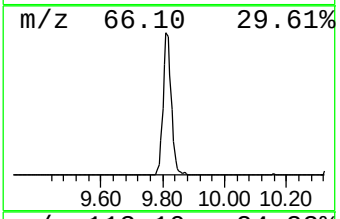



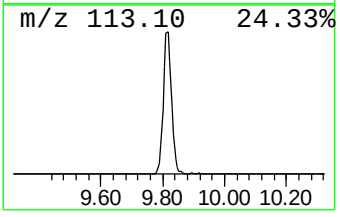



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

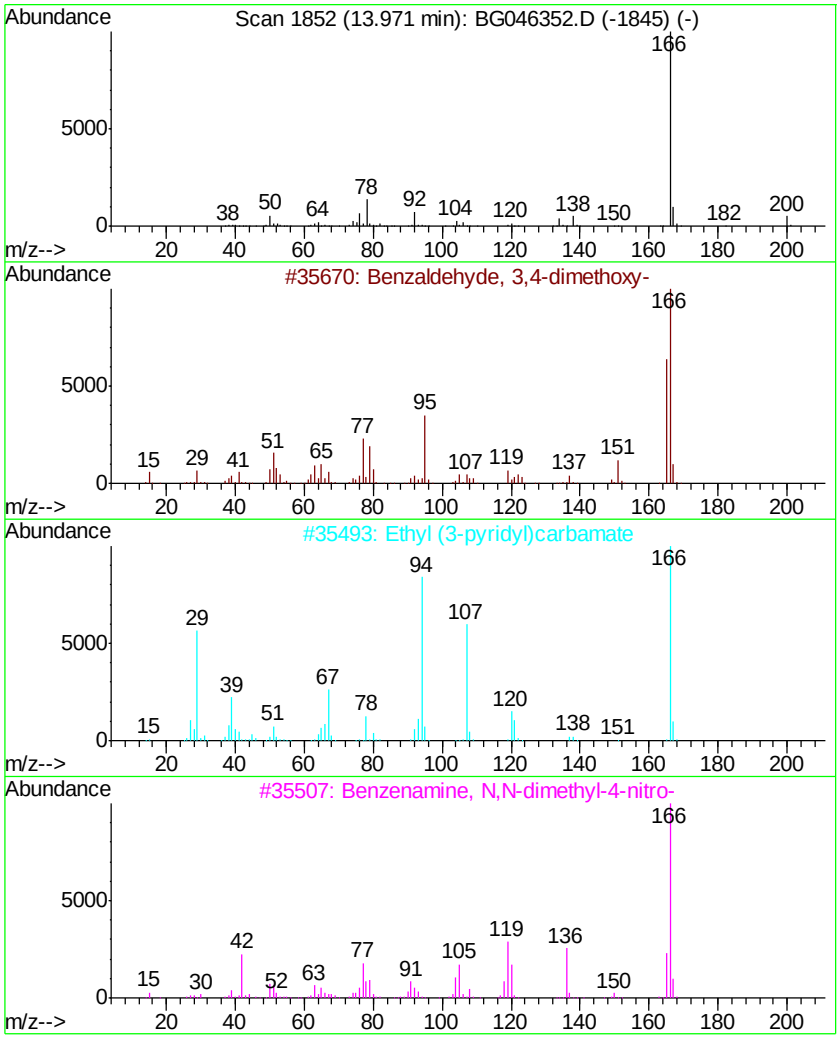
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

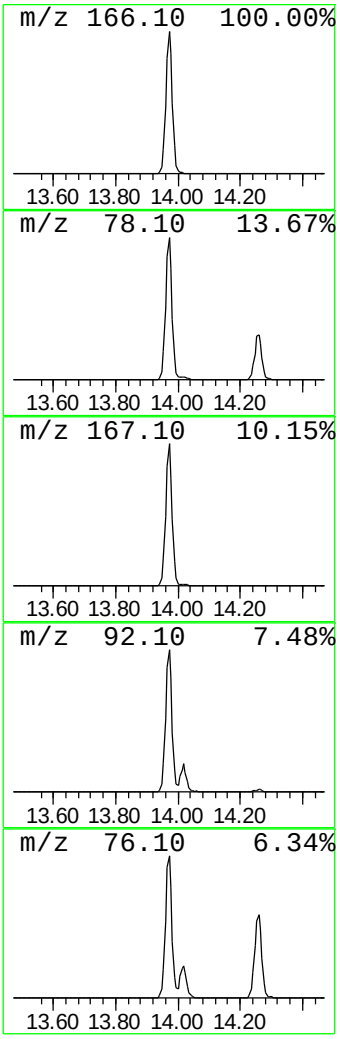
**********

Peak Number 8 unknown-05 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 19.82 ng/ul | 1157810 | Acenaphthene-d10 | 14.56 |

| 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 | 3,5-Diamino-2-methylbenzoic acid | 166 | C8H10N2O2 | 090007-30-0 | 36 |
| 5 | 1,3-Benzodioxole-5-carboxylic acid | 166 | C8H6O4 | 000094-53-1 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

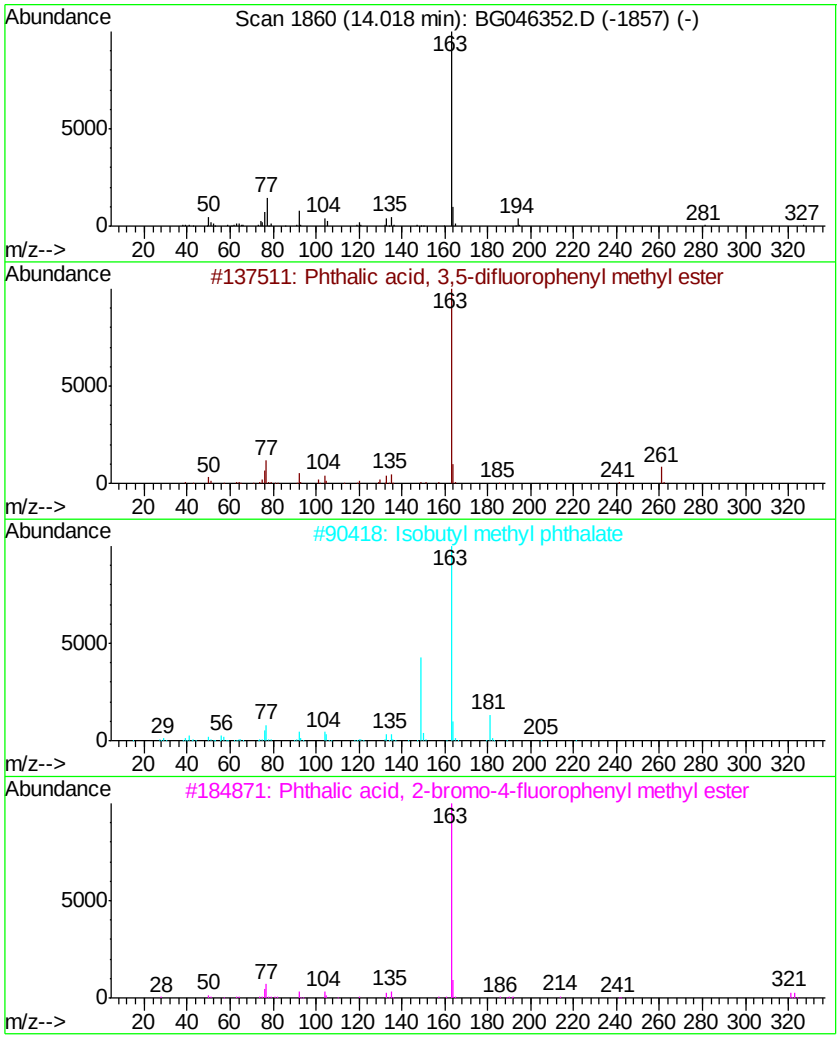
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

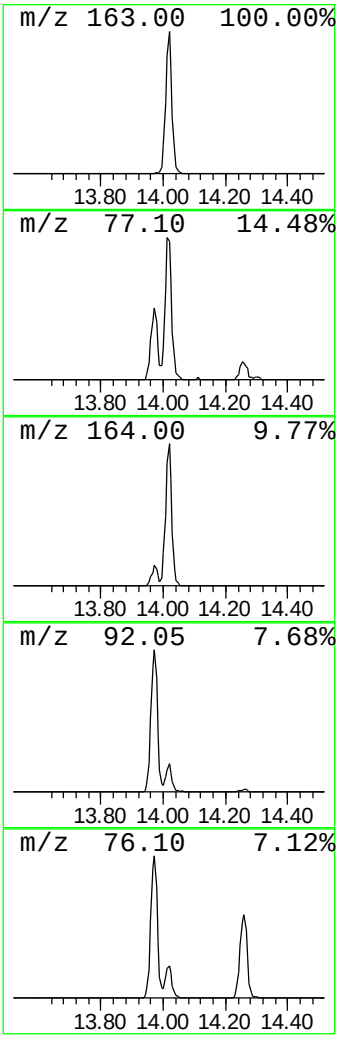
**********

Peak Number 9 Phthalic acid, 3,5-difluoro... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 3.52 ng/ul | 205792 | Acenaphthene-d10 | 14.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 3,5-difluorophenyl... | 292 | C15H10F2O4 | 1000315-61-0 | 90 |
| 2 | Isobutyl methyl phthalate | 236 | C13H16O4 | 1000373-89-3 | 83 |
| 3 | Phthalic acid, 2-bromo-4-fluorop... | 352 | C15H10BrFO4 | 1000315-62-3 | 83 |
| 4 | Phthalic acid, 4-chloro-3-methyl... | 304 | C16H13ClO4 | 1000315-71-2 | 83 |
| 5 | Phthalic acid, 4-methoxyphenyl m... | 286 | C16H14O5 | 1000315-67-7 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

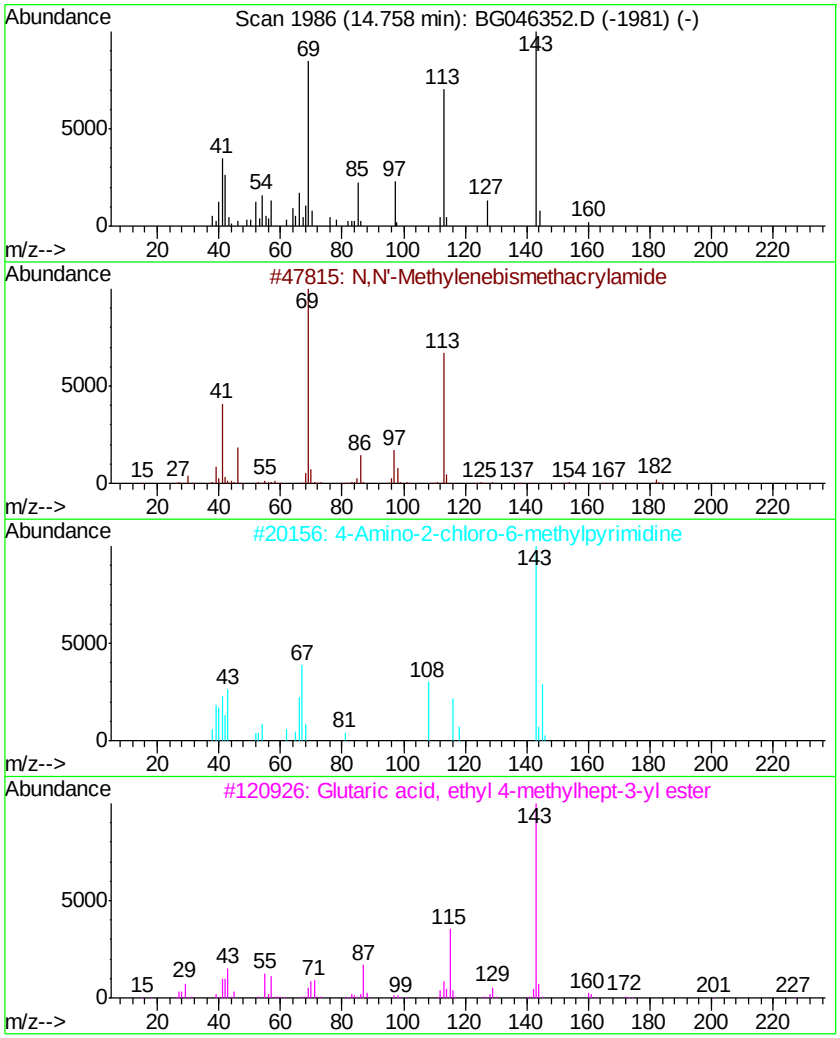
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

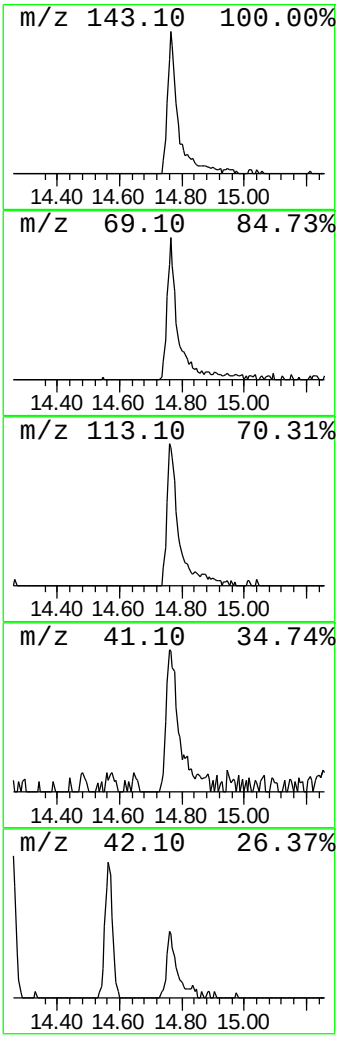
**********

Peak Number 10 unknown-06 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.76 | 2.04 ng/ul | 119162 | Acenaphthene-d10 | 14.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N'-Methylenebismethacrylamide | 182 | C9H14N2O2 | 002359-15-1 | 32 |
| 2 | 4-Amino-2-chloro-6-methylpyrimidine | 143 | C5H6ClN3 | 014394-60-6 | 22 |
| 3 | Glutaric acid, ethyl 4-methylhep... | 272 | C15H28O4 | 1000377-14-9 | 22 |
| 4 | 3H-1,2,4-Triazole-3-thione,2,4-d... | 143 | C5H9N3S | 037526-42-4 | 22 |
| 5 | Quinoline, 8-methyl- | 143 | C10H9N | 000611-32-5 | 12 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

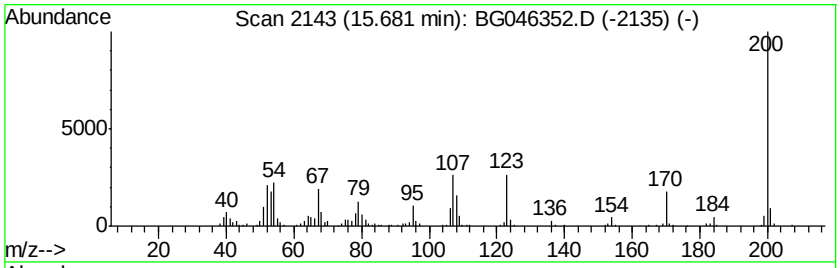
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

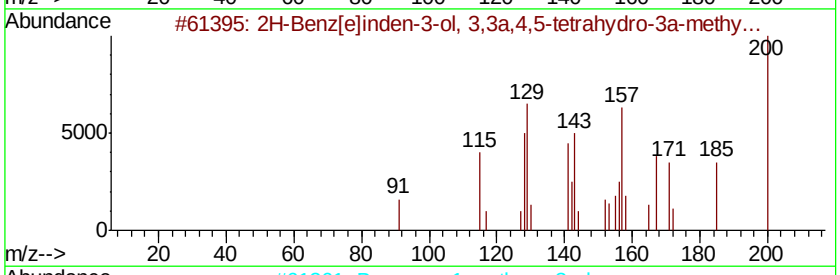
**********

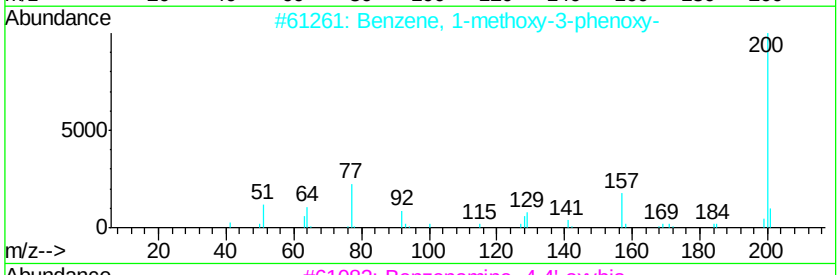
Peak Number 11 unknown-07 Concentration Rank 8

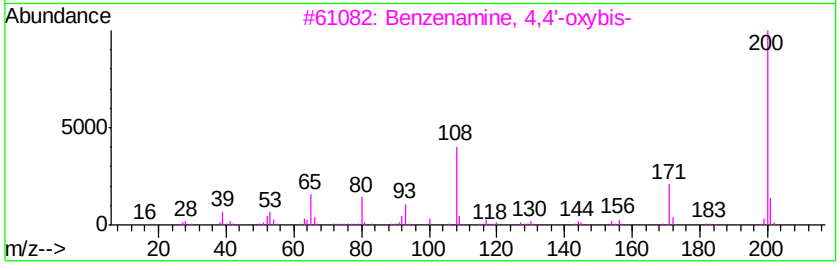
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 8.55 ng/ul | 499226 | Acenaphthene-d10 | 14.56 |

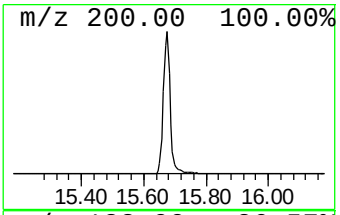
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Benz[e]inden-3-ol, 3,3a,4,5-t... | 200 | C14H16O | 071805-91-9 | 43 |
| 2 | Benzene, 1-methoxy-3-phenoxy- | 200 | C13H12O2 | 001655-68-1 | 14 |
| 3 | Benzenamine, 4,4'-oxybis- | 200 | C12H12N2O | 000101-80-4 | 10 |
| 4 | 2-Vinyl-6-methoxy-8-aminoquinoline | 200 | C12H12N2O | 064992-65-0 | 9 |
| 5 | 1-Hydroxy-4-methyl-2-oxo-1,2-dih... | 200 | C11H8N2O2 | 021771-74-4 | 9 |

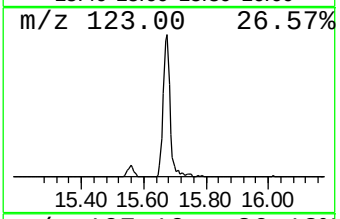


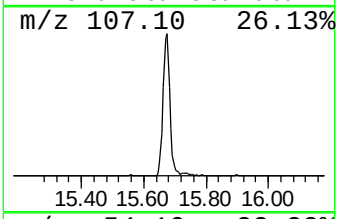



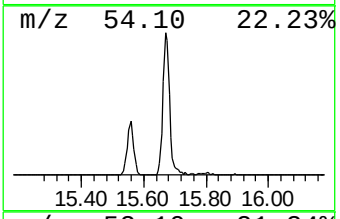



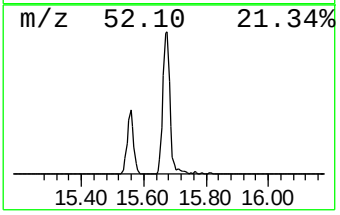



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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

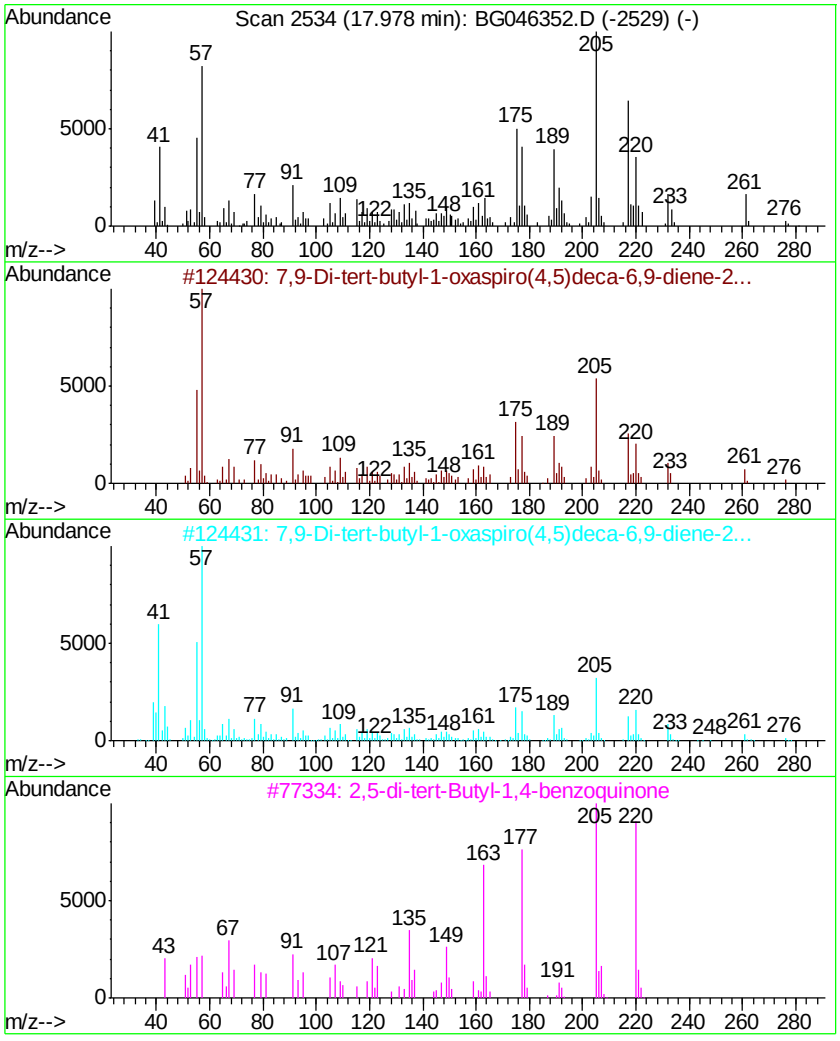
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

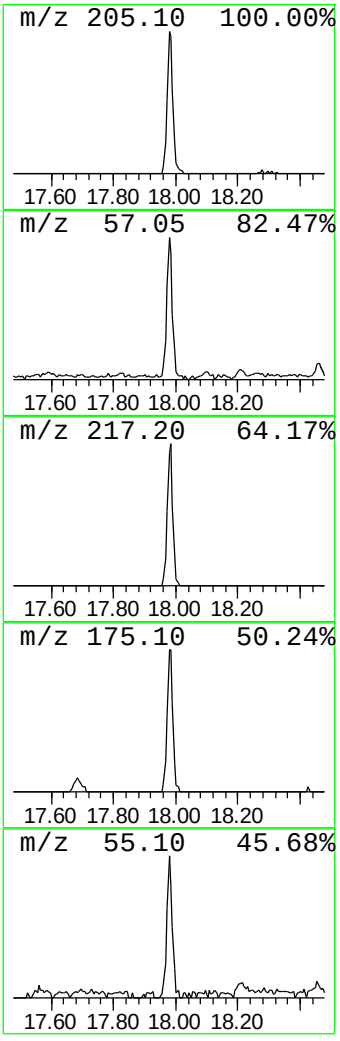
**********

Peak Number 12 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.98 | 2.86 ng/ul | 199995 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 95 |
| 2 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 55 |
| 3 | 2,5-di-tert-Butyl-1,4-benzoquinone | 220 | C14H20O2 | 002460-77-7 | 44 |
| 4 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 42 |
| 5 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

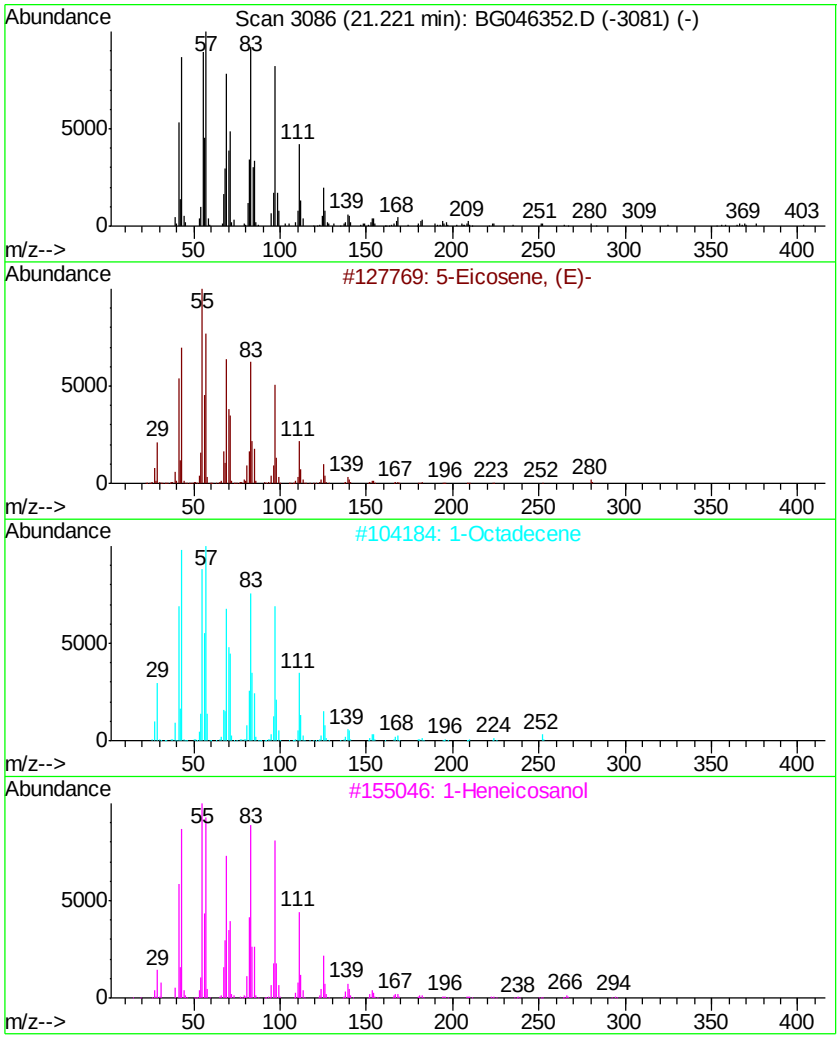
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

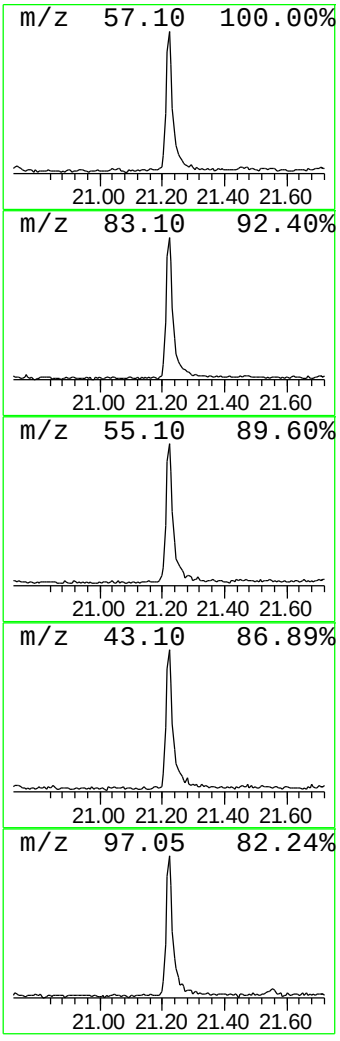
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.22 | 4.44 ng/ul | 350084 | Chrysene-d12 | 21.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 99 |
| 2 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 95 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 5 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046352.D
Acq On : 19 Aug 2020 18:45
Operator : CG/JU
Sample : L3636-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BFMP1

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 | 29.0 | ng/ul | 777344 | 1 | 7.94 | 535868 | 20.0 |
| 2(3H)-Furanone, 5... | 7.11 | 5.5 | ng/ul | 145943 | 1 | 7.94 | 535868 | 20.0 |
| unknown-01 | 7.27 | 15.9 | ng/ul | 426641 | 1 | 7.94 | 535868 | 20.0 |
| unknown-02 | 7.47 | 17.6 | ng/ul | 472715 | 1 | 7.94 | 535868 | 20.0 |
| unknown-03 | 8.64 | 14.6 | ng/ul | 391707 | 1 | 7.94 | 535868 | 20.0 |
| 1H-Imidazole, 4-m... | 9.09 | 19.9 | ng/ul | 533555 | 1 | 7.94 | 535868 | 20.0 |
| unknown-04 | 9.82 | 11.4 | ng/ul | 461830 | 2 | 10.73 | 811193 | 20.0 |
| unknown-05 | 13.97 | 19.8 | ng/ul | 1157810 | 3 | 14.56 | 1168160 | 20.0 |
| Phthalic acid, 3,... | 14.02 | 3.5 | ng/ul | 205792 | 3 | 14.56 | 1168160 | 20.0 |
| unknown-06 | 14.76 | 2.0 | ng/ul | 119162 | 3 | 14.56 | 1168160 | 20.0 |
| unknown-07 | 15.68 | 8.6 | ng/ul | 499226 | 3 | 14.56 | 1168160 | 20.0 |
| 7,9-Di-tert-butyl... | 17.98 | 2.9 | ng/ul | 199995 | 4 | 17.31 | 1398570 | 20.0 |
| (DEL) Alkane: Str... | 21.22 | 4.4 | ng/ul | 350084 | 5 | 21.55 | 1578590 | 20.0 |