LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.102 | 38 | 45 | 64 | rBV | 1794759 | 3322525 | 100.00% | 13.631% |
| 2 | 3.366 | 85 | 90 | 101 | rVB | 23309 | 38895 | 1.17% | 0.160% |
| 3 | 5.294 | 412 | 418 | 426 | rBV | 71068 | 125154 | 3.77% | 0.513% |
| 4 | 5.770 | 492 | 499 | 513 | rBV | 811234 | 1422451 | 42.81% | 5.836% |
| 5 | 7.379 | 764 | 773 | 785 | rBV | 875553 | 1600585 | 48.17% | 6.567% |
| 6 | 7.755 | 827 | 837 | 846 | rBV | 873766 | 1564766 | 47.10% | 6.420% |
| 7 | 8.220 | 905 | 916 | 923 | rBV | 159165 | 280604 | 8.45% | 1.151% |
| 8 | 8.549 | 964 | 972 | 982 | rVB | 634111 | 1155376 | 34.77% | 4.740% |
| 9 | 9.389 | 1107 | 1115 | 1126 | rVB | 541056 | 1011598 | 30.45% | 4.150% |
| 10 | 11.040 | 1389 | 1396 | 1402 | rBV | 220875 | 414631 | 12.48% | 1.701% |
| 11 | 13.455 | 1797 | 1807 | 1817 | rBV | 1286448 | 2027587 | 61.03% | 8.319% |
| 12 | 14.265 | 1939 | 1945 | 1953 | rVB | 164543 | 247217 | 7.44% | 1.014% |
| 13 | 14.553 | 1989 | 1994 | 2005 | rBV3 | 14671 | 40130 | 1.21% | 0.165% |
| 14 | 14.830 | 2031 | 2041 | 2047 | rBV2 | 323832 | 522295 | 15.72% | 2.143% |
| 15 | 14.894 | 2047 | 2052 | 2058 | rVB | 48738 | 80165 | 2.41% | 0.329% |
| 16 | 15.223 | 2101 | 2108 | 2117 | rBV | 24666 | 44974 | 1.35% | 0.185% |
| 17 | 15.640 | 2175 | 2179 | 2183 | rVB2 | 26633 | 35788 | 1.08% | 0.147% |
| 18 | 15.870 | 2212 | 2218 | 2223 | rBV2 | 43900 | 73448 | 2.21% | 0.301% |
| 19 | 16.310 | 2286 | 2293 | 2302 | rBV | 940588 | 1478017 | 44.48% | 6.064% |
| 20 | 16.498 | 2320 | 2325 | 2328 | rBV | 35587 | 50034 | 1.51% | 0.205% |
| 21 | 17.285 | 2455 | 2459 | 2464 | rBV2 | 29966 | 52353 | 1.58% | 0.215% |
| 22 | 17.385 | 2472 | 2476 | 2482 | rVB | 26866 | 44219 | 1.33% | 0.181% |
| 23 | 17.567 | 2500 | 2507 | 2510 | rBV | 350447 | 578940 | 17.42% | 2.375% |
| 24 | 17.609 | 2510 | 2514 | 2520 | rVB | 436305 | 650927 | 19.59% | 2.671% |
| 25 | 17.697 | 2525 | 2529 | 2535 | rVB | 74781 | 111861 | 3.37% | 0.459% |
| 26 | 17.914 | 2561 | 2566 | 2570 | rBV | 198800 | 281078 | 8.46% | 1.153% |
| 27 | 17.961 | 2572 | 2574 | 2582 | rVV | 50423 | 80072 | 2.41% | 0.329% |
| 28 | 18.431 | 2650 | 2654 | 2659 | rBV | 60779 | 96463 | 2.90% | 0.396% |
| 29 | 18.484 | 2659 | 2663 | 2668 | rVB | 85843 | 121865 | 3.67% | 0.500% |
| 30 | 18.631 | 2683 | 2688 | 2692 | rBV3 | 98142 | 183773 | 5.53% | 0.754% |
| 31 | 18.925 | 2734 | 2738 | 2741 | rBV | 40013 | 53946 | 1.62% | 0.221% |
| 32 | 18.972 | 2742 | 2746 | 2750 | rVB3 | 60231 | 91628 | 2.76% | 0.376% |
| 33 | 19.266 | 2792 | 2796 | 2802 | rBV | 422052 | 532992 | 16.04% | 2.187% |
| 34 | 19.336 | 2805 | 2808 | 2813 | rVB4 | 61343 | 88292 | 2.66% | 0.362% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.606 | 2848 | 2854 | 2860 | rBV | 727848 | 1101951 | 33.17% | 4.521% |
| 36 | 19.929 | 2906 | 2909 | 2910 | rBV | 84493 | 92820 | 2.79% | 0.381% |
| 37 | 19.965 | 2911 | 2915 | 2921 | rVB | 677105 | 976550 | 29.39% | 4.007% |
| 38 | 20.153 | 2941 | 2947 | 2952 | rBV | 1659678 | 2265926 | 68.20% | 9.296% |
| 39 | 21.439 | 3163 | 3166 | 3173 | rVB3 | 208393 | 330011 | 9.93% | 1.354% |
| 40 | 21.839 | 3227 | 3234 | 3239 | rBV3 | 416106 | 1102170 | 33.17% | 4.522% |

Sum of corrected areas: 24374077

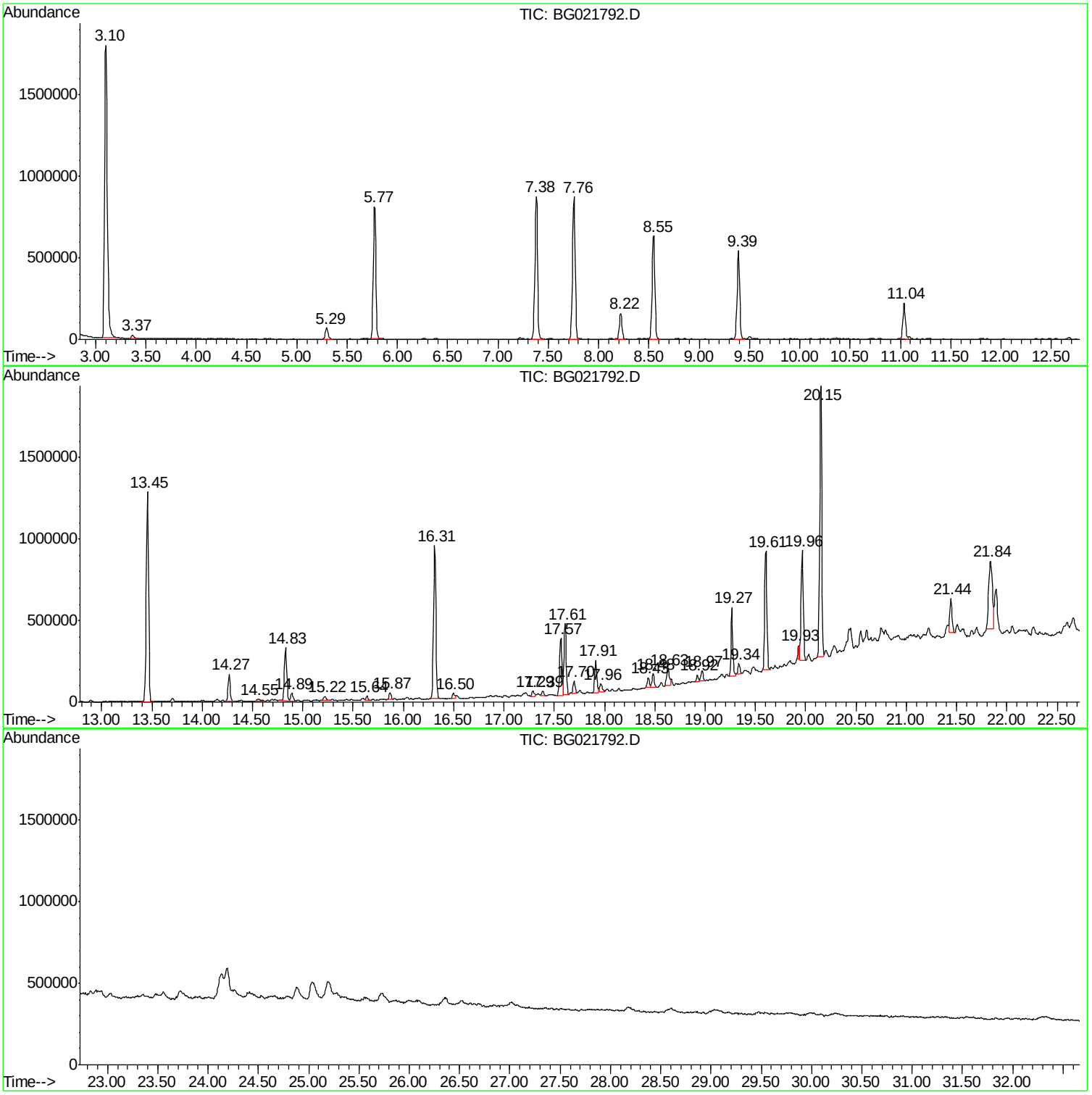
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

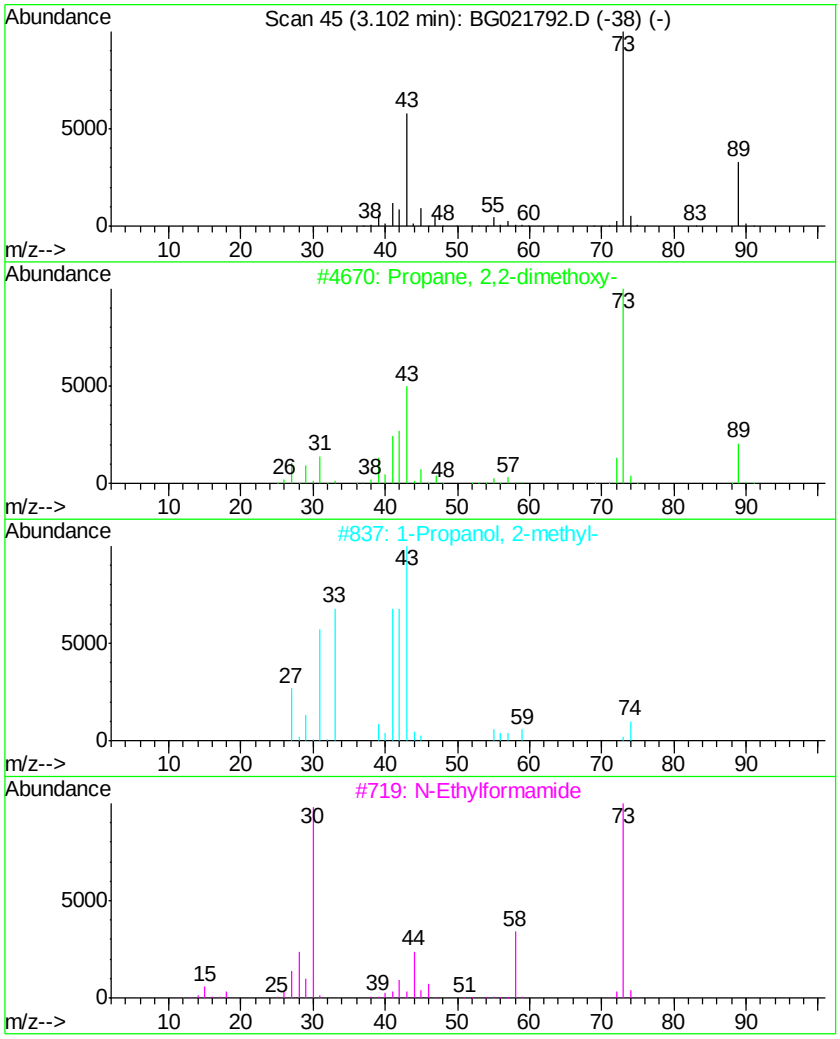
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

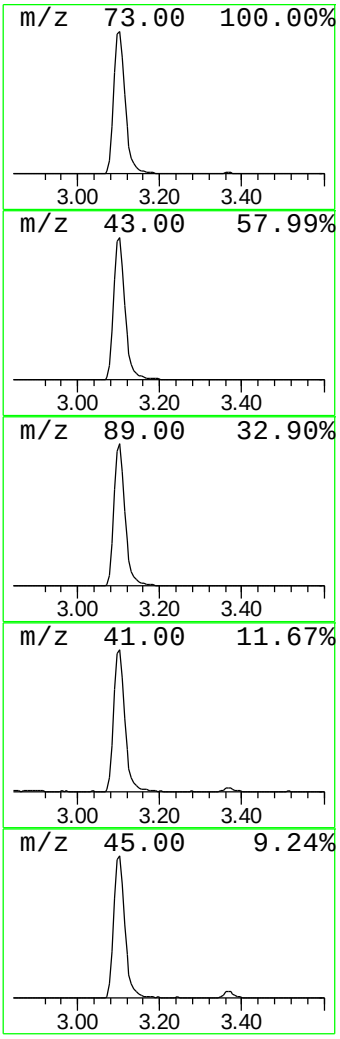
**********

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.10 | 236.81 ng | 3322530 | 1,4-Dichlorobenzene-d4 | 8.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 5 | 2-Butanone, 3-methoxy-3-methyl- | 116 | C6H12O2 | 036687-98-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

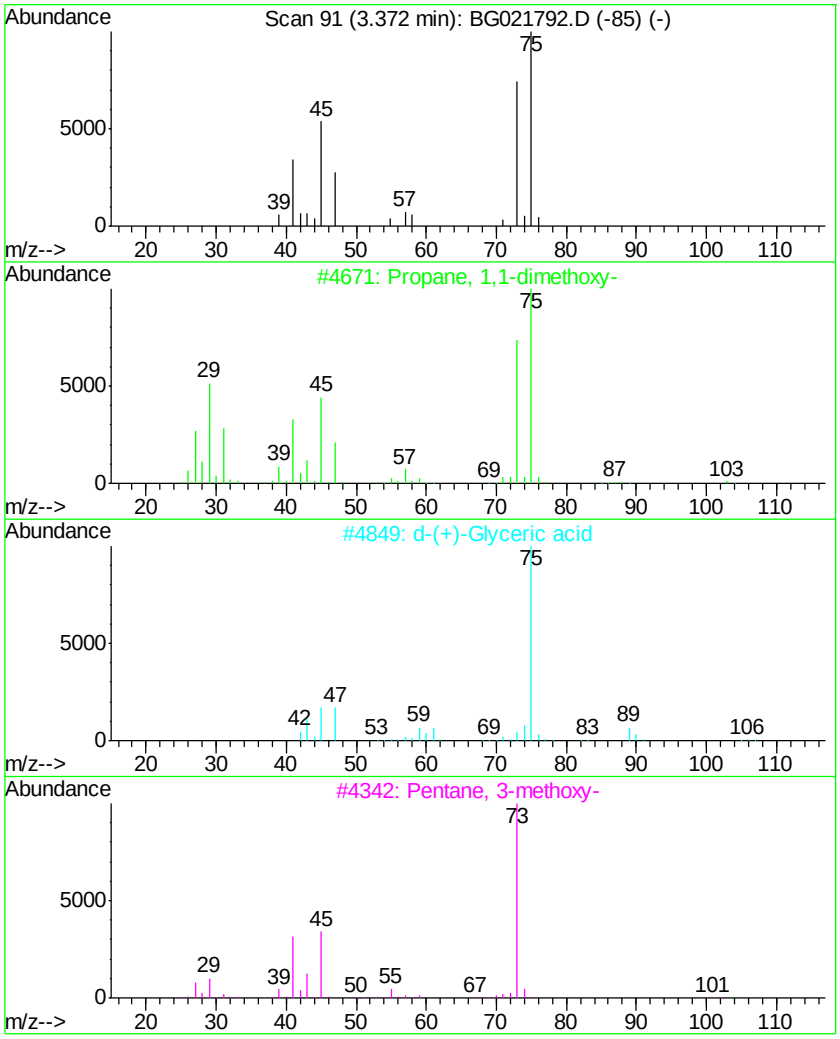
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

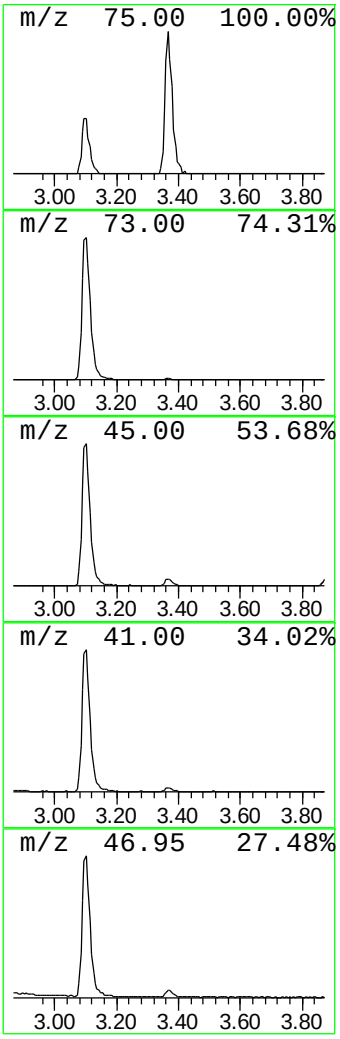
**********

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.37 | 2.77 ng | 38895 | 1,4-Dichlorobenzene-d4 | 8.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 83 |
| 2 | d-(+)-Glyceric acid | 106 | C3H6O4 | 1000211-40-8 | 36 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 22 |
| 4 | Aminoacetaldehyde dimethyl acetal | 105 | C4H11NO2 | 022483-09-6 | 9 |
| 5 | Ethane, 1,1,2-trimethoxy- | 120 | C5H12O3 | 024332-20-5 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

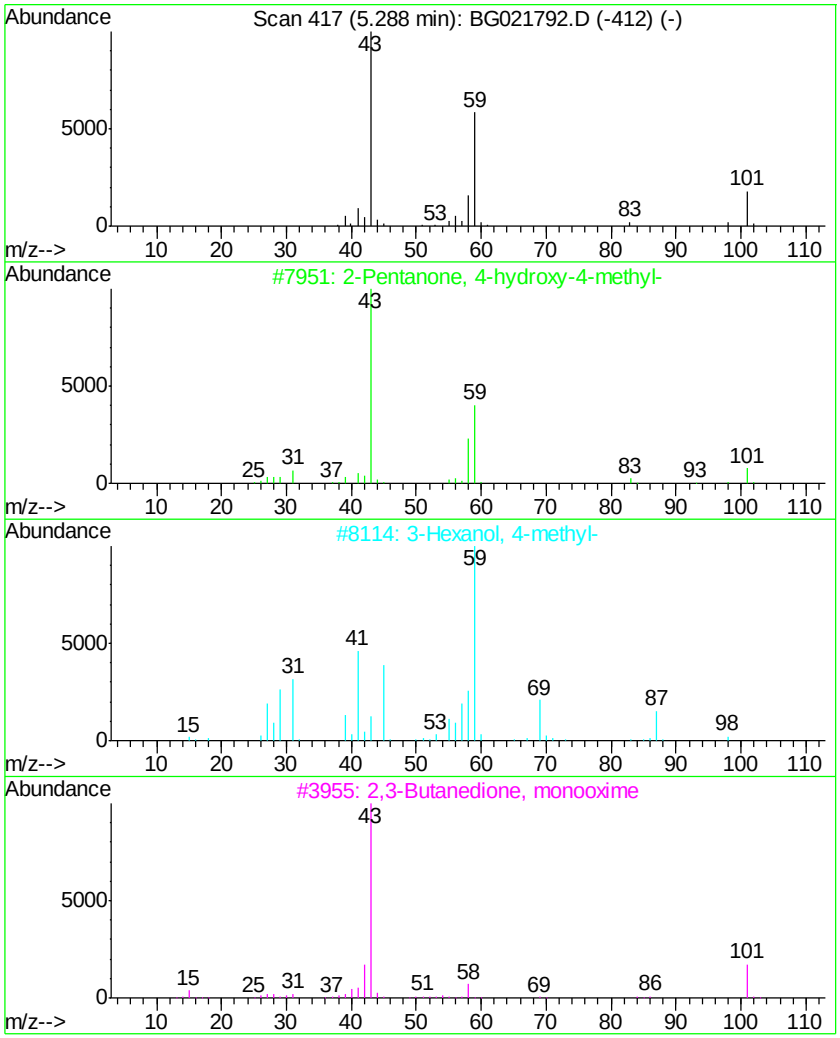
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

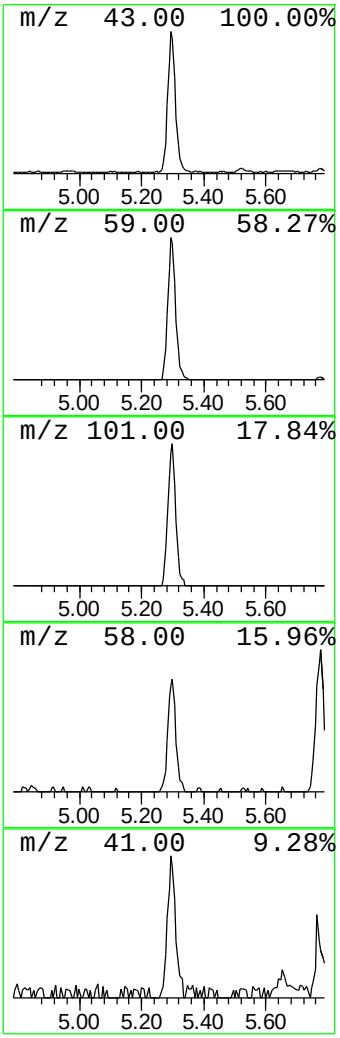
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.29 | 8.92 ng | 125154 | 1,4-Dichlorobenzene-d4 | 8.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 9 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

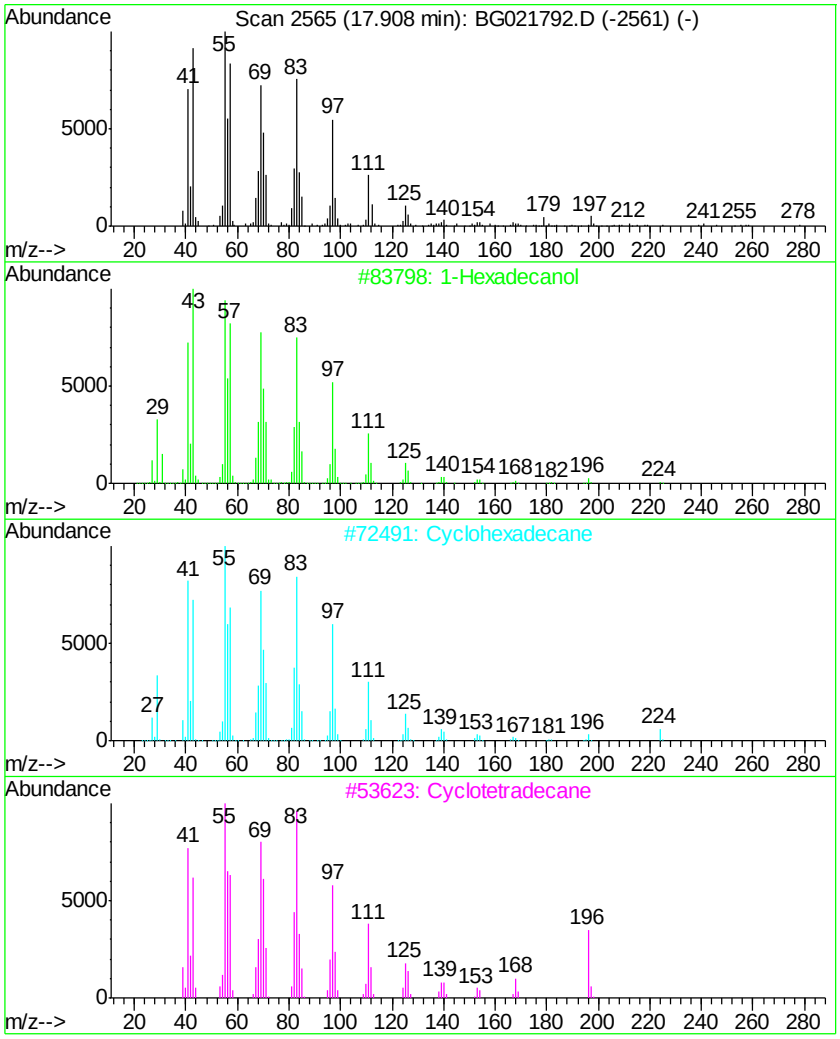
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

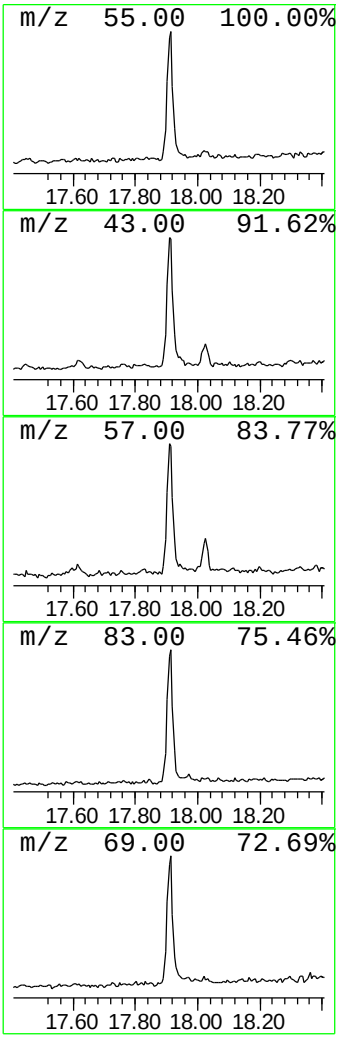
**********

Peak Number 6 1-Hexadecanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.91 | 9.71 ng | 281078 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 94 |
| 2 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 94 |
| 3 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 93 |
| 4 | 1-Tridecanol | 200 | C13H28O | 000112-70-9 | 91 |
| 5 | 1-Tetradecanol | 214 | C14H30O | 000112-72-1 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

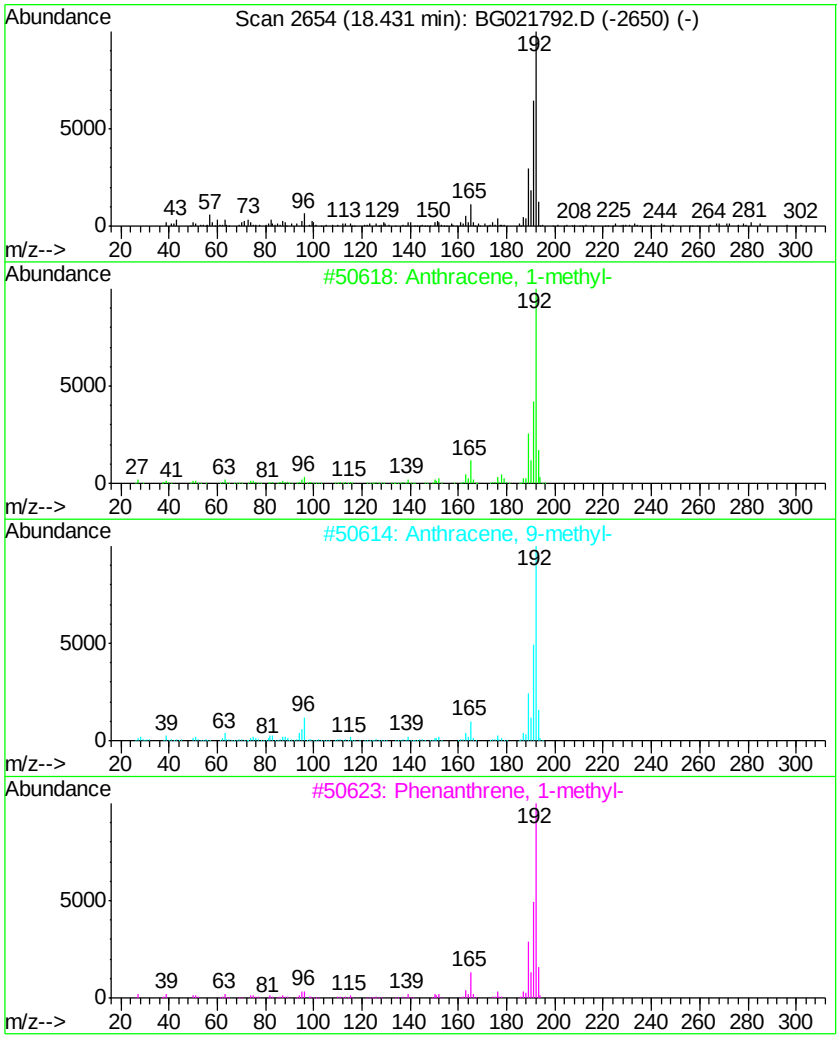
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

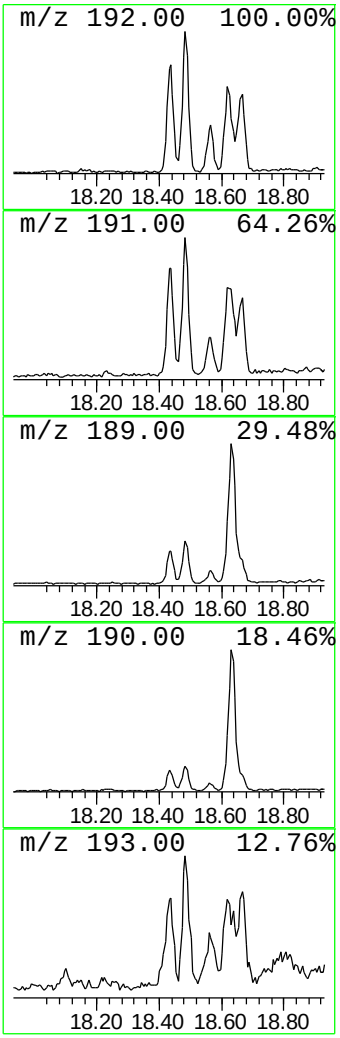
**********

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 3.33 ng | 96463 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 92 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 87 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 86 |
| 5 | Benzene, 1,1'-(2-cyclopropen-1-y... | 192 | C15H12 | 022825-21-4 | 83 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

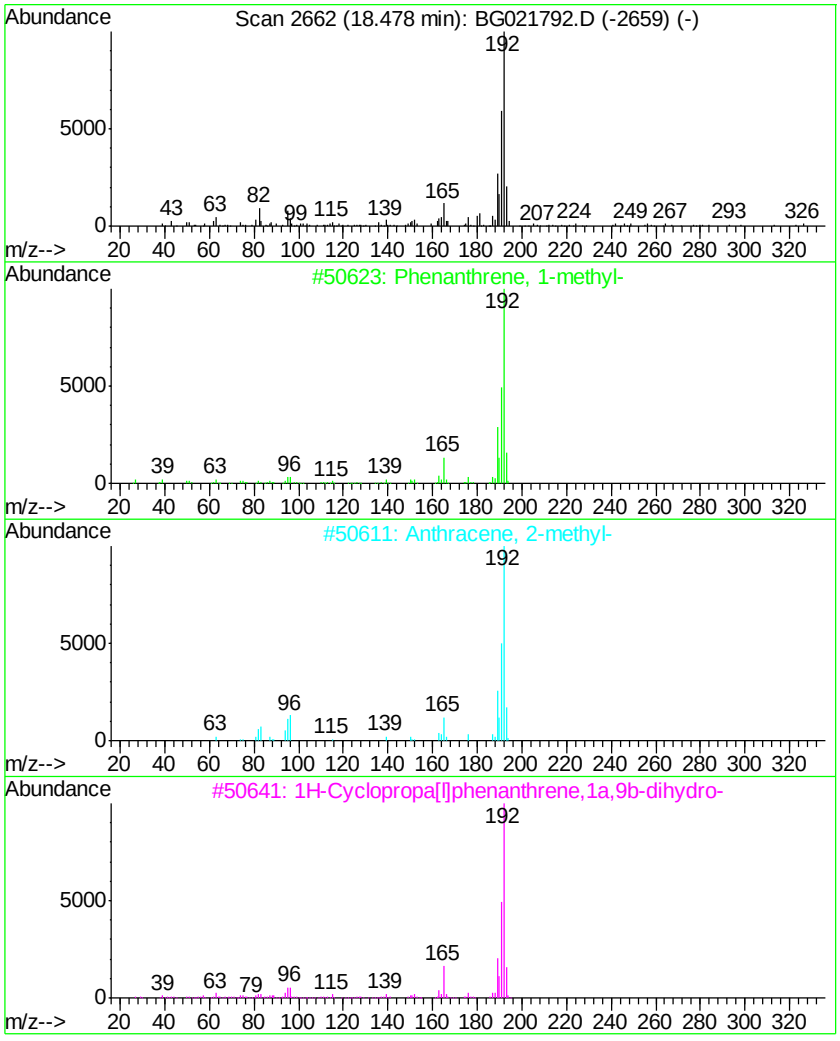
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

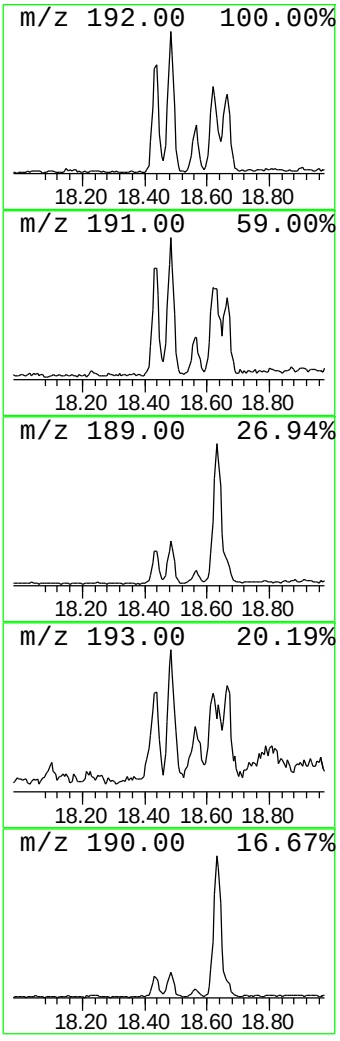
**********

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.48 | 4.21 ng | 121865 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

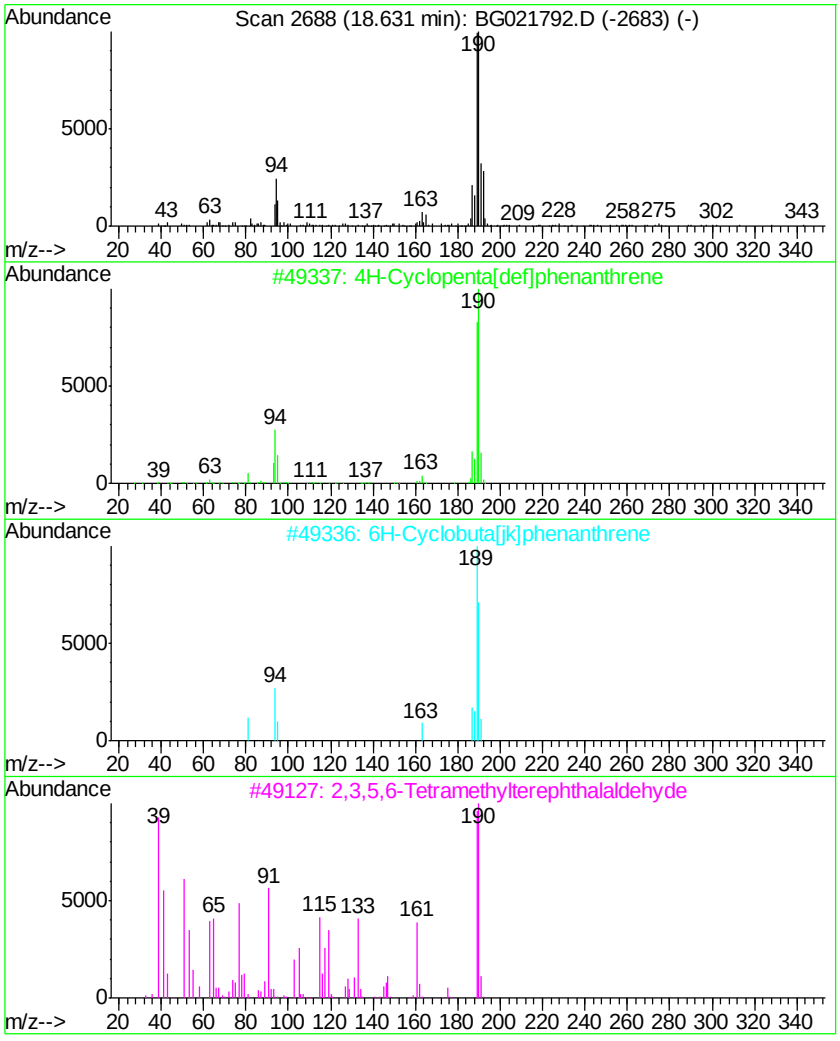
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

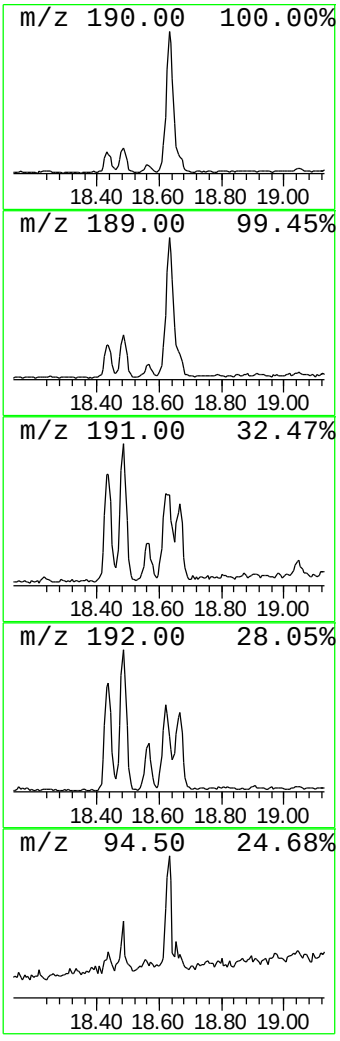
**********

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.63 | 6.35 ng | 183773 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 95 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 59 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 47 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |
| 5 | Benzo[1,2-b:4,3-b']dithiophene | 190 | C10H6S2 | 000210-80-0 | 30 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

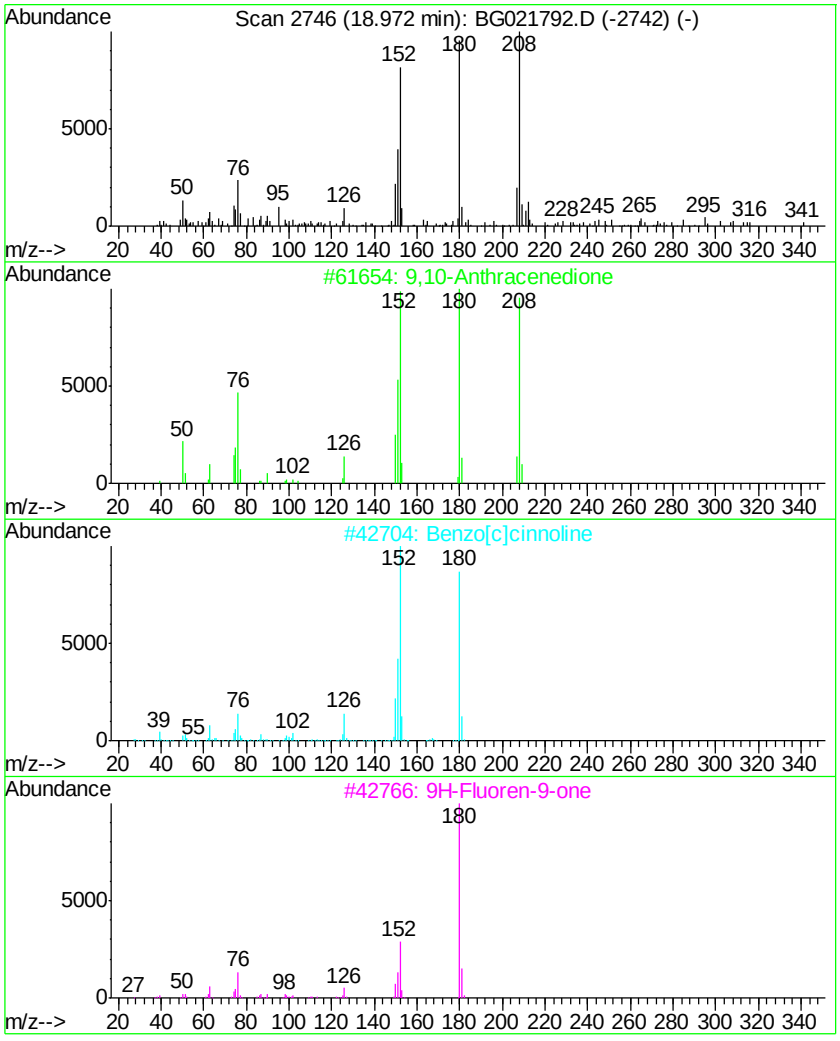
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

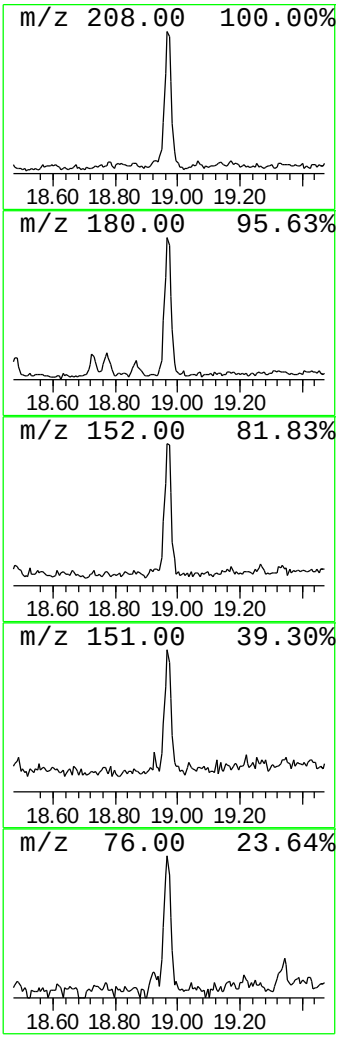
**********

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.97 | 3.17 ng | 91628 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 60 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 38 |
| 4 | Biphenylene | 152 | C12H8 | 000259-79-0 | 38 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 38 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

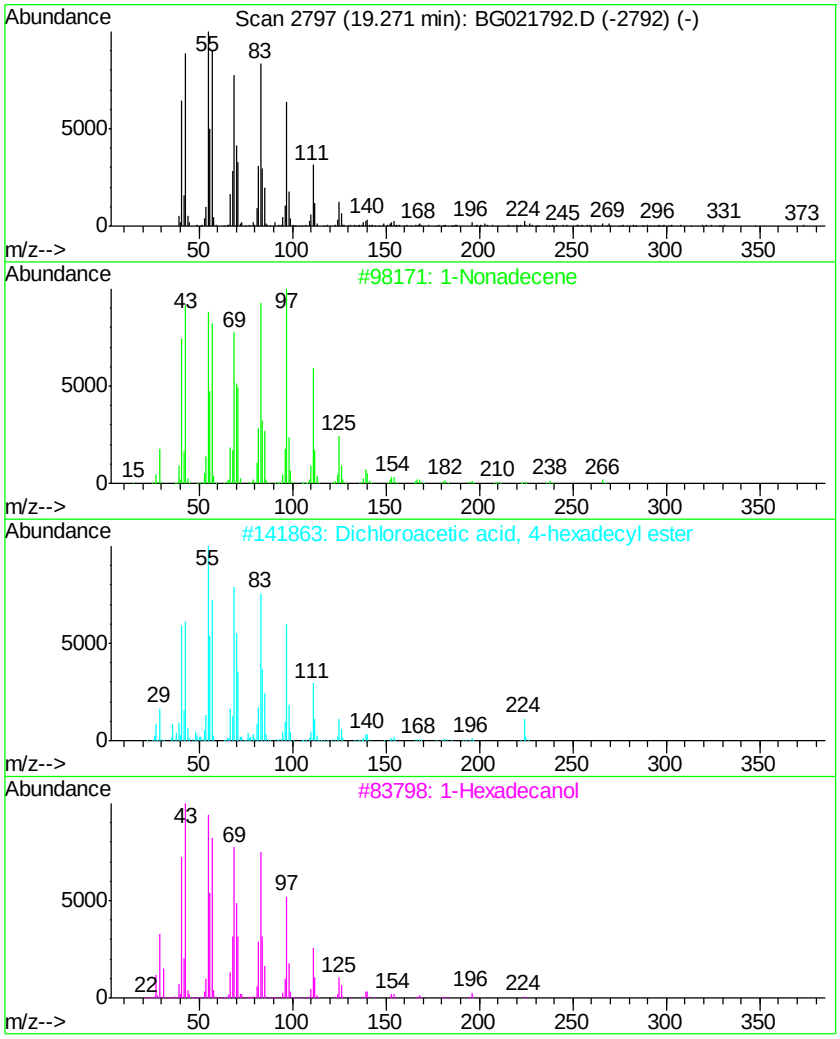
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

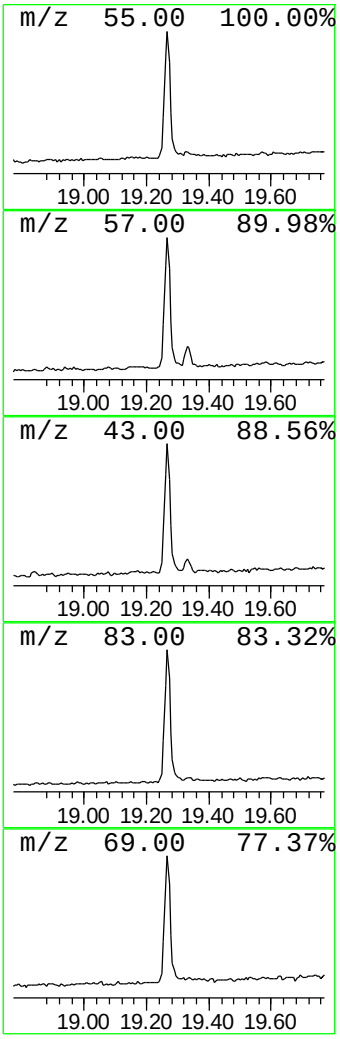
**********

Peak Number 11 1-Nonadecene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.27 | 18.41 ng | 532992 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 96 |
| 2 | Dichloroacetic acid, 4-hexadecyl... | 352 | C18H34Cl2O2 | 1000282-98-1 | 94 |
| 3 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 94 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 94 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 94 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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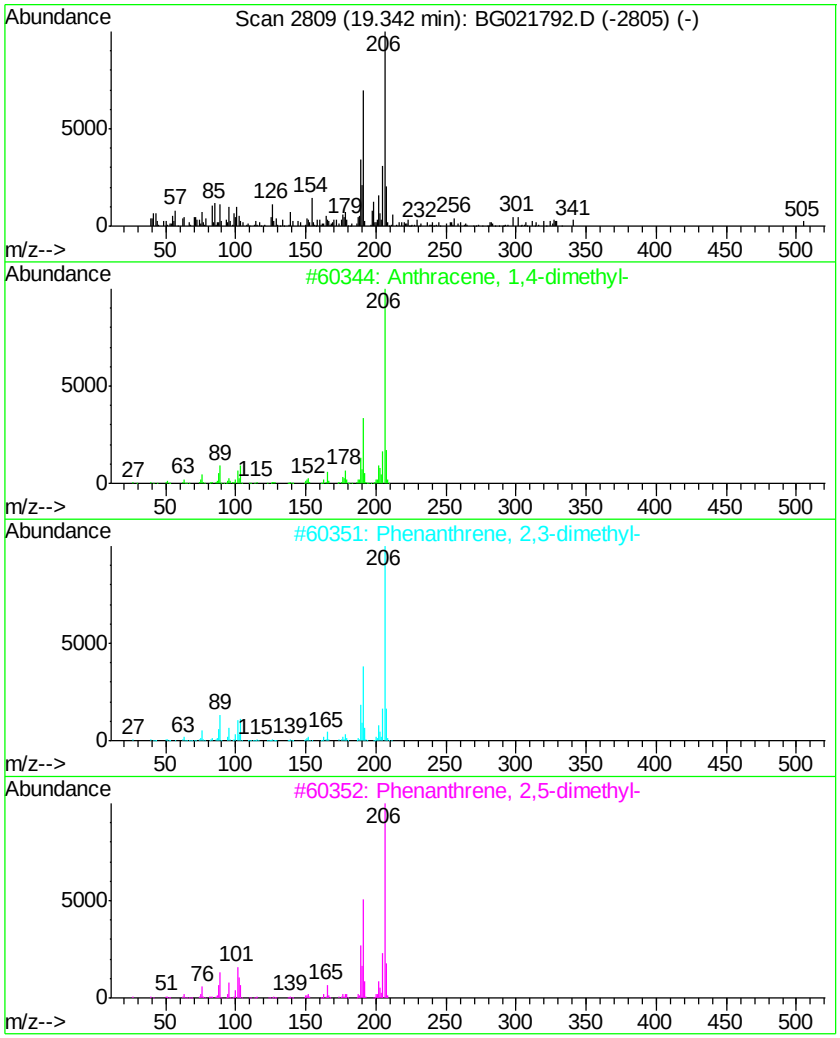
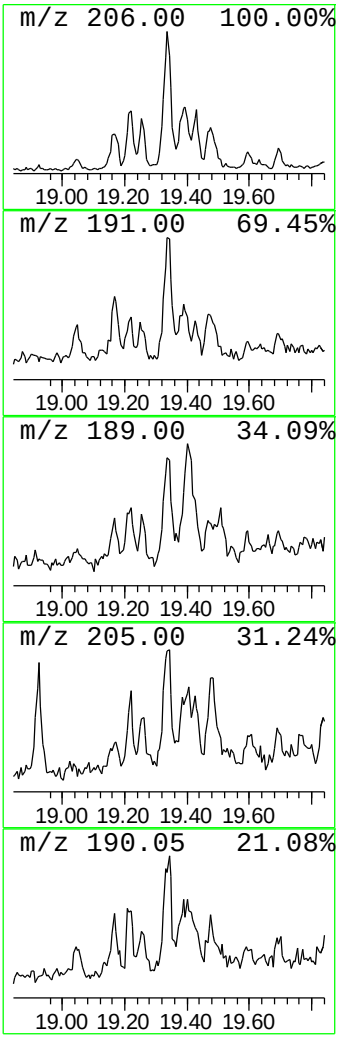
Peak Number 12 Anthracene, 1,4-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.34 | 3.05 ng | 88292 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 91 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 89 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 89 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

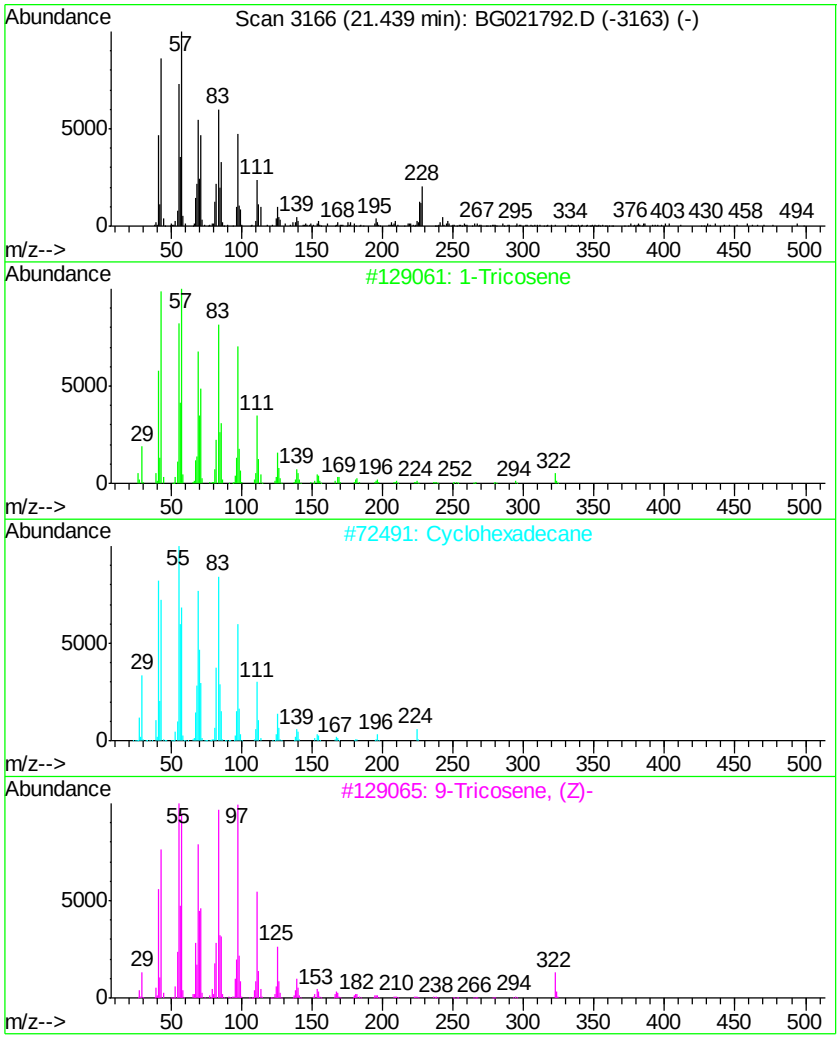
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

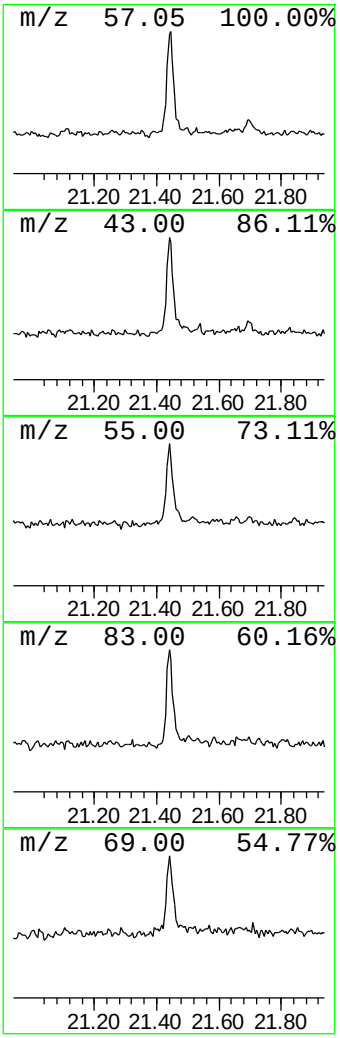
**********

Peak Number 13 1-Tricosene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.44 | 5.99 ng | 330011 | Chrysene-d12 | 21.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 96 |
| 2 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 96 |
| 3 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 92 |
| 4 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 87 |
| 5 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042116\
Data File : BG021792.D
Acq On : 20 Apr 2016 19:43
Operator : UM/SJ
Sample : H2413-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-2-C-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane, 2,2-dime... | 3.10 | 236.8 | ng | 3322530 | 1 | 8.22 | 280604 | 20.0 |
| Propane, 1,1-dime... | 3.37 | 2.8 | ng | 38895 | 1 | 8.22 | 280604 | 20.0 |
| 2-Pentanone, 4-hy... | 5.29 | 8.9 | ng | 125154 | 1 | 8.22 | 280604 | 20.0 |
| 1-Hexadecanol | 17.91 | 9.7 | ng | 281078 | 4 | 17.57 | 578940 | 20.0 |
| Anthracene, 1-met... | 18.43 | 3.3 | ng | 96463 | 4 | 17.57 | 578940 | 20.0 |
| Phenanthrene, 1-m... | 18.48 | 4.2 | ng | 121865 | 4 | 17.57 | 578940 | 20.0 |
| 4H-Cyclopenta[def... | 18.63 | 6.3 | ng | 183773 | 4 | 17.57 | 578940 | 20.0 |
| 9,10-Anthracenedione | 18.97 | 3.2 | ng | 91628 | 4 | 17.57 | 578940 | 20.0 |
| 1-Nonadecene | 19.27 | 18.4 | ng | 532992 | 4 | 17.57 | 578940 | 20.0 |
| Anthracene, 1,4-d... | 19.34 | 3.0 | ng | 88292 | 4 | 17.57 | 578940 | 20.0 |
| 1-Tricosene | 21.44 | 6.0 | ng | 330011 | 5 | 21.84 | 1102170 | 20.0 |