LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(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_F\METHODS\8270-BF120815.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 | 3.538 | 160 | 162 | 176 | rBV | 365129 | 753526 | 23.79% | 2.512% |
| 2 | 3.984 | 199 | 201 | 218 | rBV | 2167858 | 3002743 | 94.82% | 10.012% |
| 3 | 5.276 | 311 | 314 | 323 | rBV | 1850343 | 3166840 | 100.00% | 10.559% |
| 4 | 5.401 | 323 | 325 | 337 | rVB | 2422922 | 3156520 | 99.67% | 10.524% |
| 5 | 5.699 | 349 | 351 | 359 | rBV | 643239 | 808713 | 25.54% | 2.696% |
| 6 | 5.916 | 368 | 370 | 381 | rVB | 1723141 | 2159328 | 68.19% | 7.200% |
| 7 | 6.327 | 404 | 406 | 419 | rVB | 36123 | 83245 | 2.63% | 0.278% |
| 8 | 6.533 | 421 | 424 | 438 | rBV | 1162072 | 1976283 | 62.41% | 6.589% |
| 9 | 7.607 | 515 | 518 | 530 | rBV | 602838 | 968888 | 30.59% | 3.230% |
| 10 | 9.150 | 651 | 653 | 657 | rBV | 19869 | 39686 | 1.25% | 0.132% |
| 11 | 9.345 | 667 | 670 | 673 | rBV | 1875068 | 2434891 | 76.89% | 8.118% |
| 12 | 9.562 | 684 | 689 | 692 | rVB2 | 22198 | 42013 | 1.33% | 0.140% |
| 13 | 10.030 | 727 | 730 | 733 | rBV | 376884 | 466042 | 14.72% | 1.554% |
| 14 | 10.213 | 744 | 746 | 752 | rVB2 | 21732 | 36024 | 1.14% | 0.120% |
| 15 | 10.385 | 758 | 761 | 766 | rBV2 | 611706 | 1034300 | 32.66% | 3.449% |
| 16 | 10.796 | 792 | 797 | 799 | rBV2 | 14384 | 33562 | 1.06% | 0.112% |
| 17 | 10.933 | 807 | 809 | 812 | rVB | 24356 | 40446 | 1.28% | 0.135% |
| 18 | 11.231 | 832 | 835 | 838 | rVV | 113975 | 144458 | 4.56% | 0.482% |
| 19 | 11.596 | 862 | 867 | 869 | rBV3 | 32932 | 81136 | 2.56% | 0.271% |
| 20 | 11.688 | 872 | 875 | 881 | rVV | 857692 | 1455392 | 45.96% | 4.852% |
| 21 | 11.779 | 881 | 883 | 887 | rVB2 | 22180 | 38474 | 1.21% | 0.128% |
| 22 | 12.008 | 900 | 903 | 907 | rBV | 95491 | 198004 | 6.25% | 0.660% |
| 23 | 12.076 | 907 | 909 | 911 | rVV2 | 26960 | 38963 | 1.23% | 0.130% |
| 24 | 12.316 | 923 | 930 | 932 | rBV5 | 19116 | 53335 | 1.68% | 0.178% |
| 25 | 12.419 | 937 | 939 | 942 | rBV | 25009 | 42799 | 1.35% | 0.143% |
| 26 | 12.739 | 965 | 967 | 969 | rBV | 49237 | 61545 | 1.94% | 0.205% |
| 27 | 12.785 | 969 | 971 | 978 | rVB | 609808 | 849923 | 26.84% | 2.834% |
| 28 | 13.425 | 1025 | 1027 | 1032 | rBV2 | 38116 | 68807 | 2.17% | 0.229% |
| 29 | 13.711 | 1050 | 1052 | 1055 | rBV3 | 17047 | 34106 | 1.08% | 0.114% |
| 30 | 13.768 | 1055 | 1057 | 1060 | rVV4 | 27327 | 47813 | 1.51% | 0.159% |
| 31 | 13.837 | 1060 | 1063 | 1071 | rVV | 134793 | 228160 | 7.20% | 0.761% |
| 32 | 14.214 | 1092 | 1096 | 1098 | rBV | 24958 | 54676 | 1.73% | 0.182% |
| 33 | 14.351 | 1105 | 1108 | 1112 | rBV2 | 24256 | 55156 | 1.74% | 0.184% |
| 34 | 14.454 | 1115 | 1117 | 1120 | rBV | 22077 | 34972 | 1.10% | 0.117% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(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_F\METHODS\8270-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.557 | 1124 | 1126 | 1129 | rBV | 47572 | 73949 | 2.34% | 0.247% |
| 36 | 14.762 | 1140 | 1144 | 1147 | rBV | 39737 | 71439 | 2.26% | 0.238% |
| 37 | 14.865 | 1150 | 1153 | 1155 | rBV | 115756 | 155636 | 4.91% | 0.519% |
| 38 | 14.980 | 1161 | 1163 | 1167 | rBV4 | 21605 | 55003 | 1.74% | 0.183% |
| 39 | 15.117 | 1173 | 1175 | 1178 | rBV | 116653 | 170437 | 5.38% | 0.568% |
| 40 | 15.414 | 1198 | 1201 | 1204 | rBV | 1255728 | 1757060 | 55.48% | 5.858% |
| 41 | 15.700 | 1223 | 1226 | 1230 | rVB2 | 36524 | 64519 | 2.04% | 0.215% |
| 42 | 16.111 | 1260 | 1262 | 1266 | rBV4 | 29774 | 54965 | 1.74% | 0.183% |
| 43 | 16.203 | 1266 | 1270 | 1271 | rBV3 | 34760 | 91501 | 2.89% | 0.305% |
| 44 | 16.248 | 1272 | 1274 | 1276 | rVB2 | 63746 | 88010 | 2.78% | 0.293% |
| 45 | 16.305 | 1276 | 1279 | 1284 | rBV5 | 32830 | 72643 | 2.29% | 0.242% |
| 46 | 16.431 | 1288 | 1290 | 1292 | rBV | 24571 | 34650 | 1.09% | 0.116% |
| 47 | 16.774 | 1317 | 1320 | 1322 | rBV | 81098 | 109407 | 3.45% | 0.365% |
| 48 | 16.923 | 1331 | 1333 | 1337 | rBV2 | 175836 | 358213 | 11.31% | 1.194% |
| 49 | 17.003 | 1337 | 1340 | 1343 | rBV | 516285 | 776667 | 24.52% | 2.590% |
| 50 | 17.357 | 1369 | 1371 | 1374 | rBV3 | 45016 | 81858 | 2.58% | 0.273% |
| 51 | 17.746 | 1403 | 1405 | 1409 | rBV | 198520 | 263808 | 8.33% | 0.880% |
| 52 | 18.637 | 1482 | 1483 | 1489 | rVB | 286076 | 445557 | 14.07% | 1.486% |
| 53 | 21.872 | 1761 | 1766 | 1772 | rVB | 579128 | 1576616 | 49.79% | 5.257% |

Sum of corrected areas: 29992707

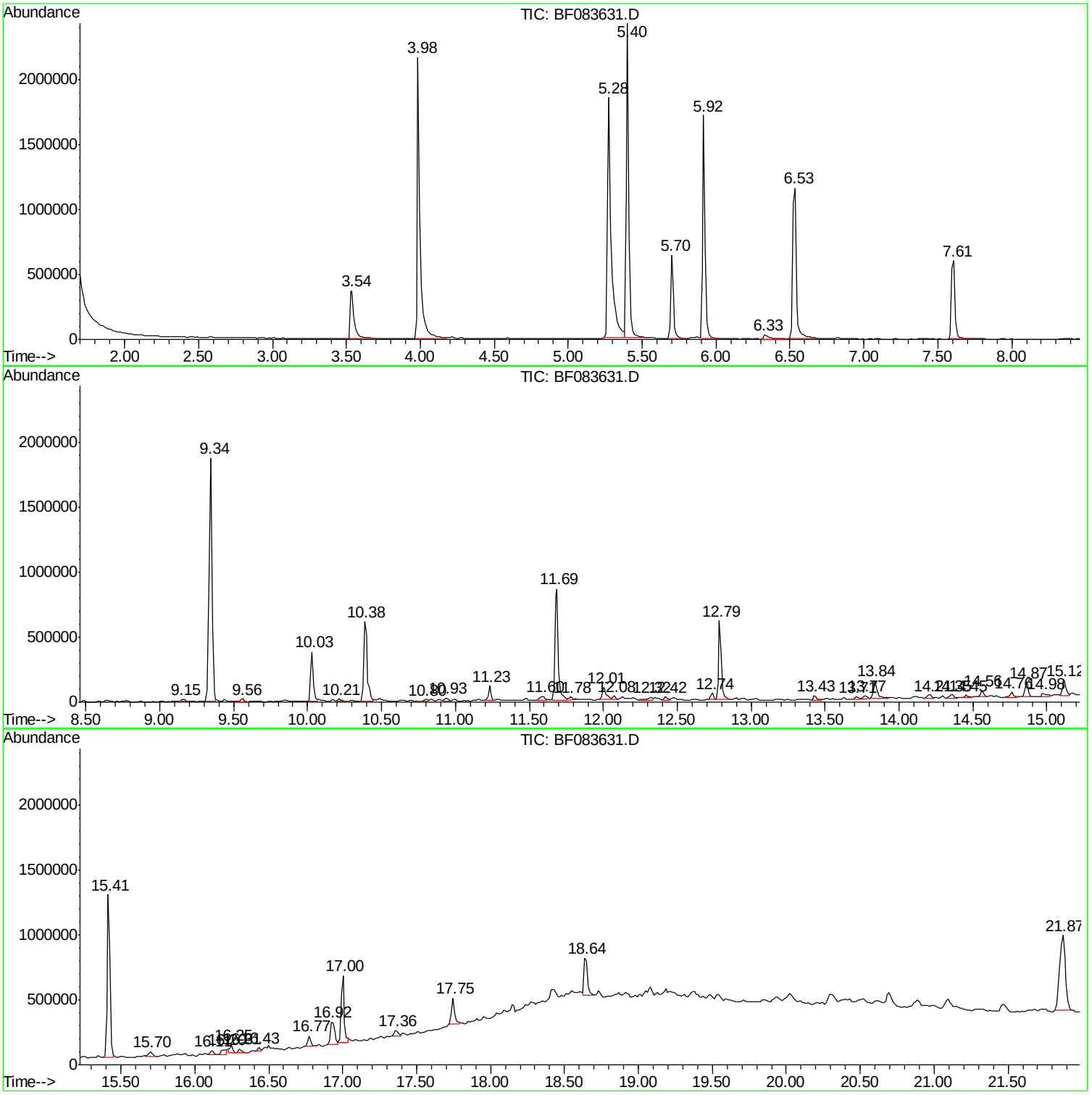
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

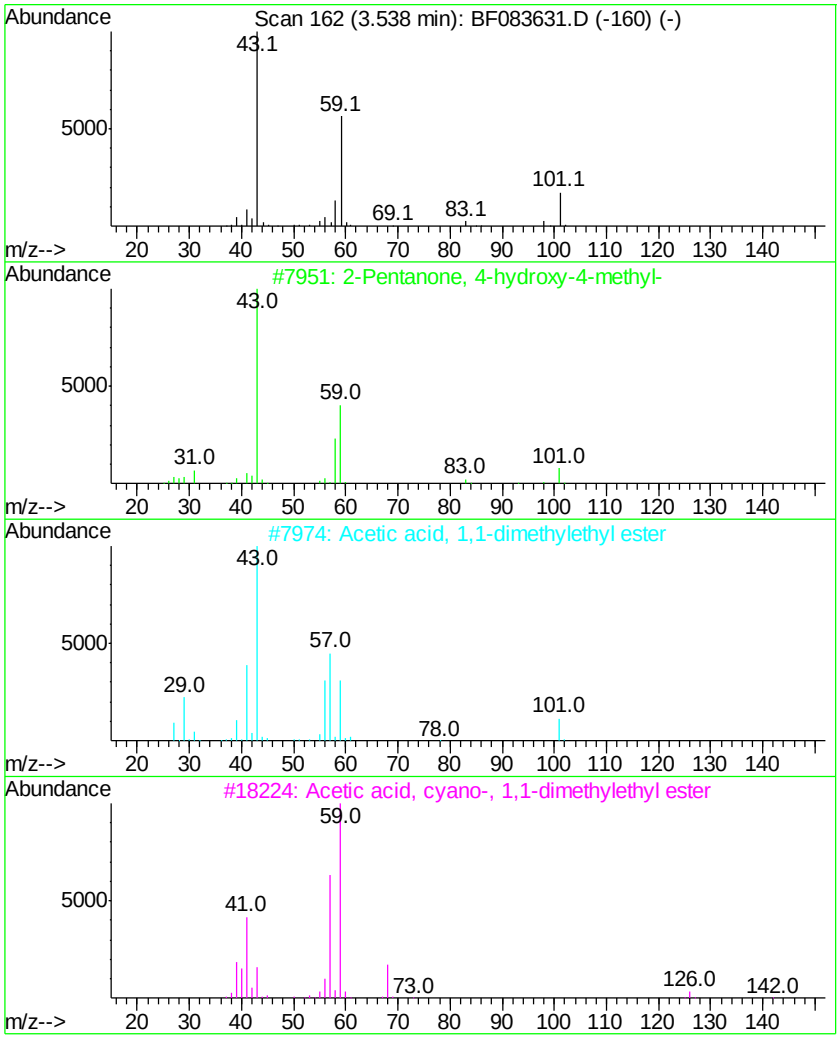
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

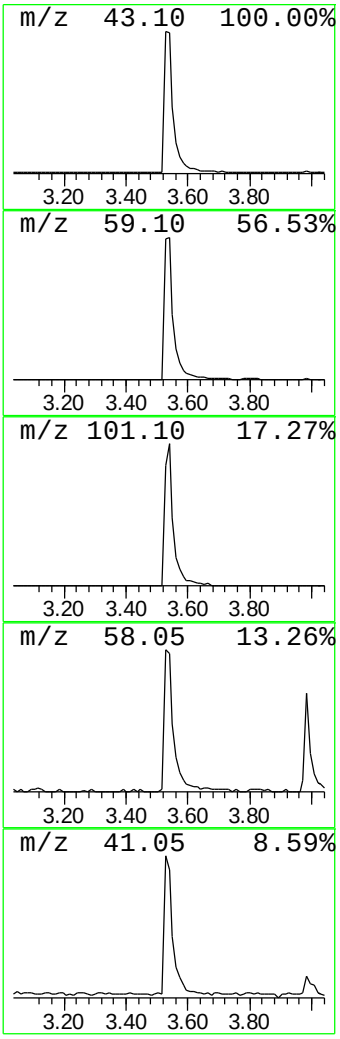
**********

Peak Number 1 unknown3.54 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.54 | 18.64 ng | 753526 | 1,4-Dichlorobenzene-d4 | 5.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

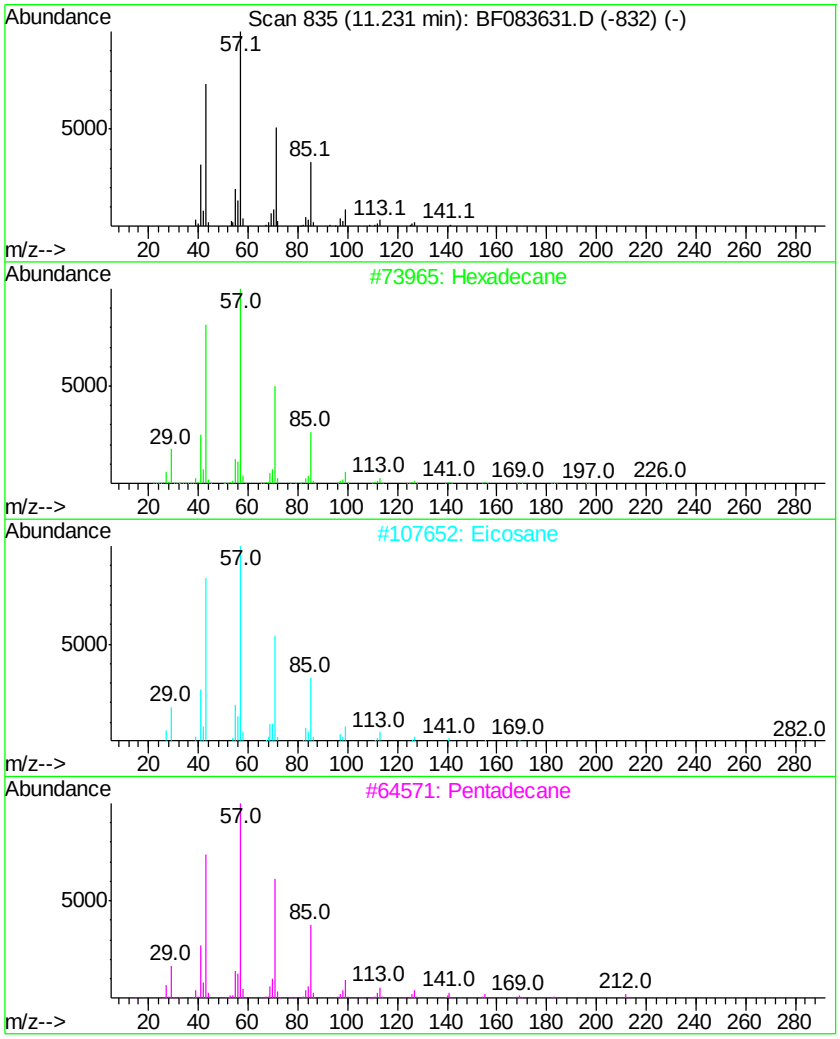
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

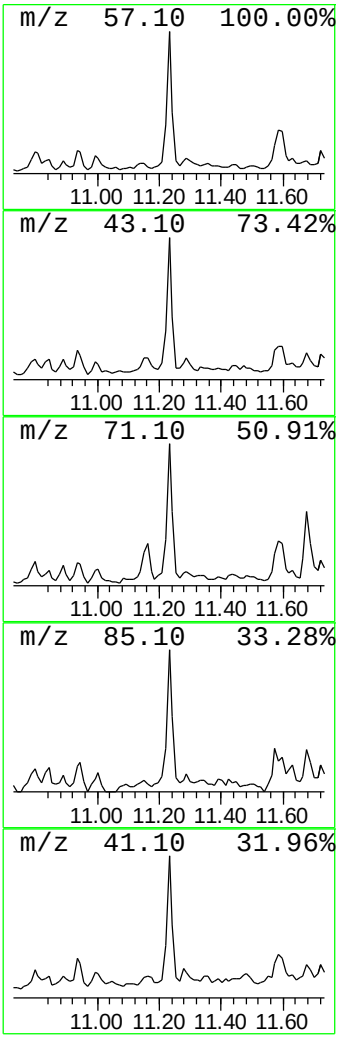
**********

Peak Number 4 Hexadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.23 | 2.79 ng | 144458 | Acenaphthene-d10 | 10.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 80 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

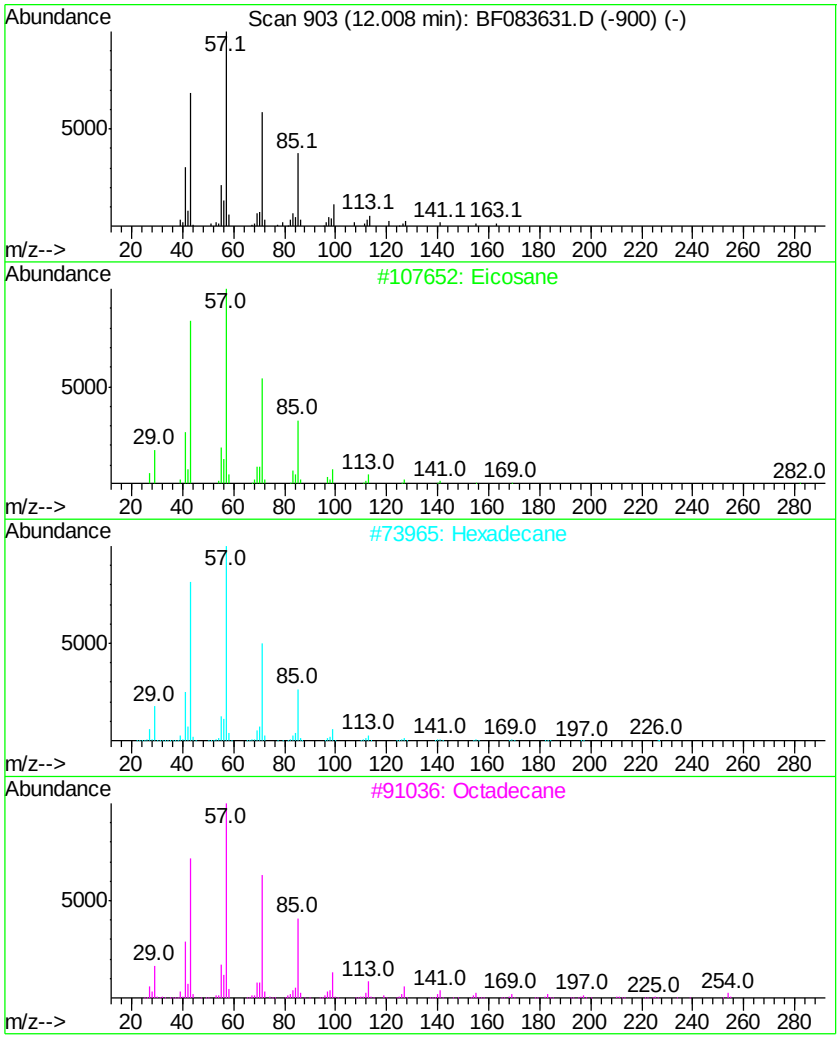
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

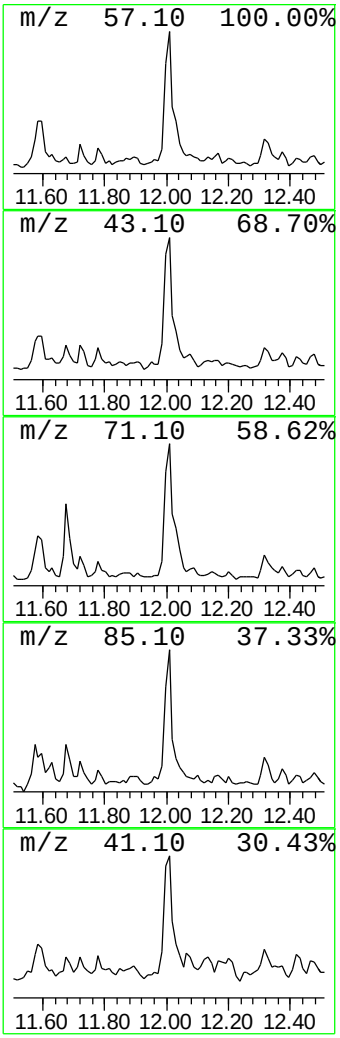
**********

Peak Number 5 Eicosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.01 | 4.66 ng | 198004 | Phenanthrene-d10 | 12.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 78 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

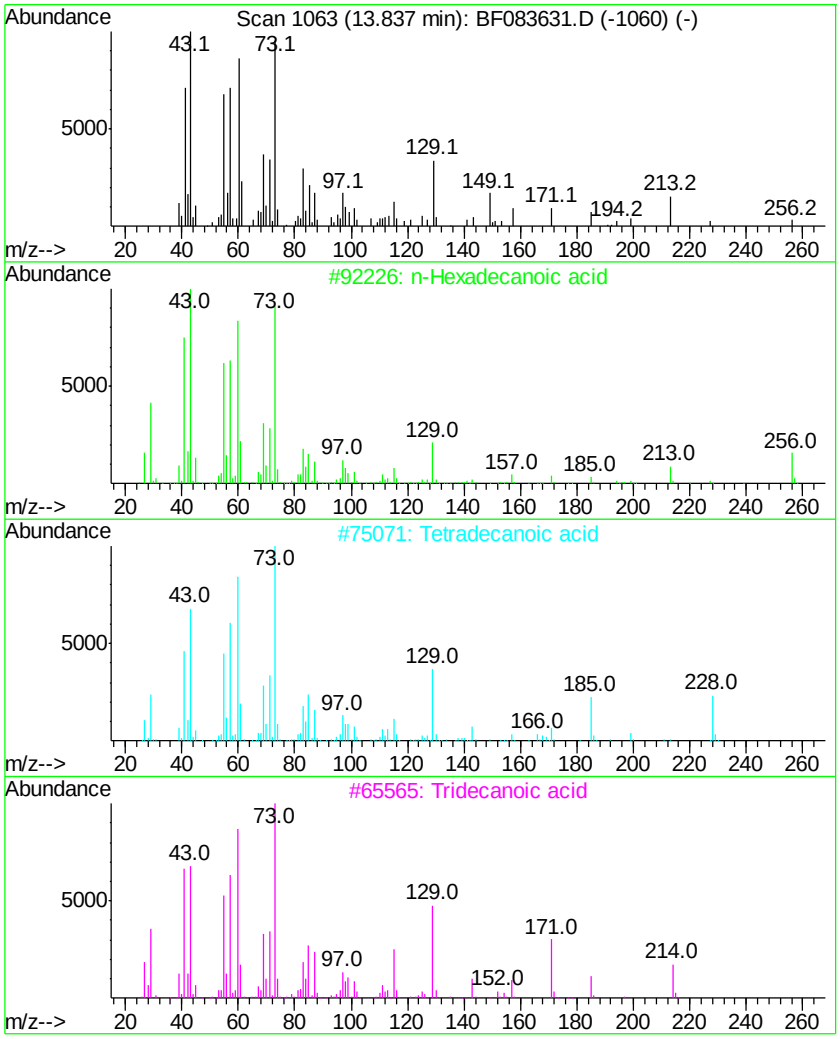
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

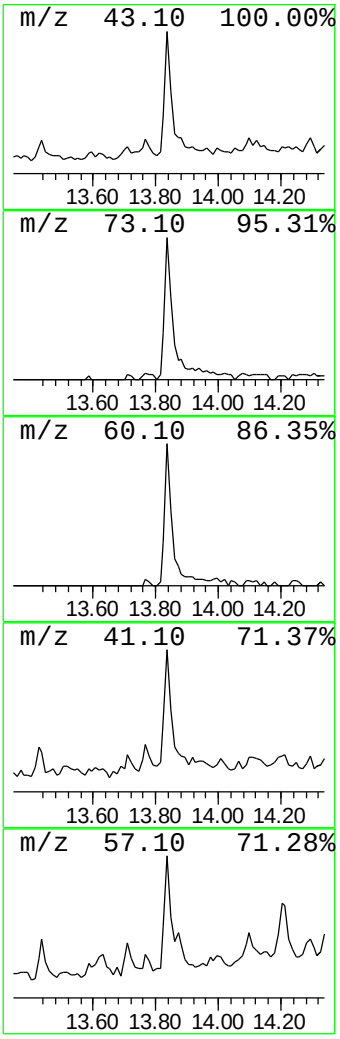
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.84 | 5.37 ng | 228160 | Phenanthrene-d10 | 12.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

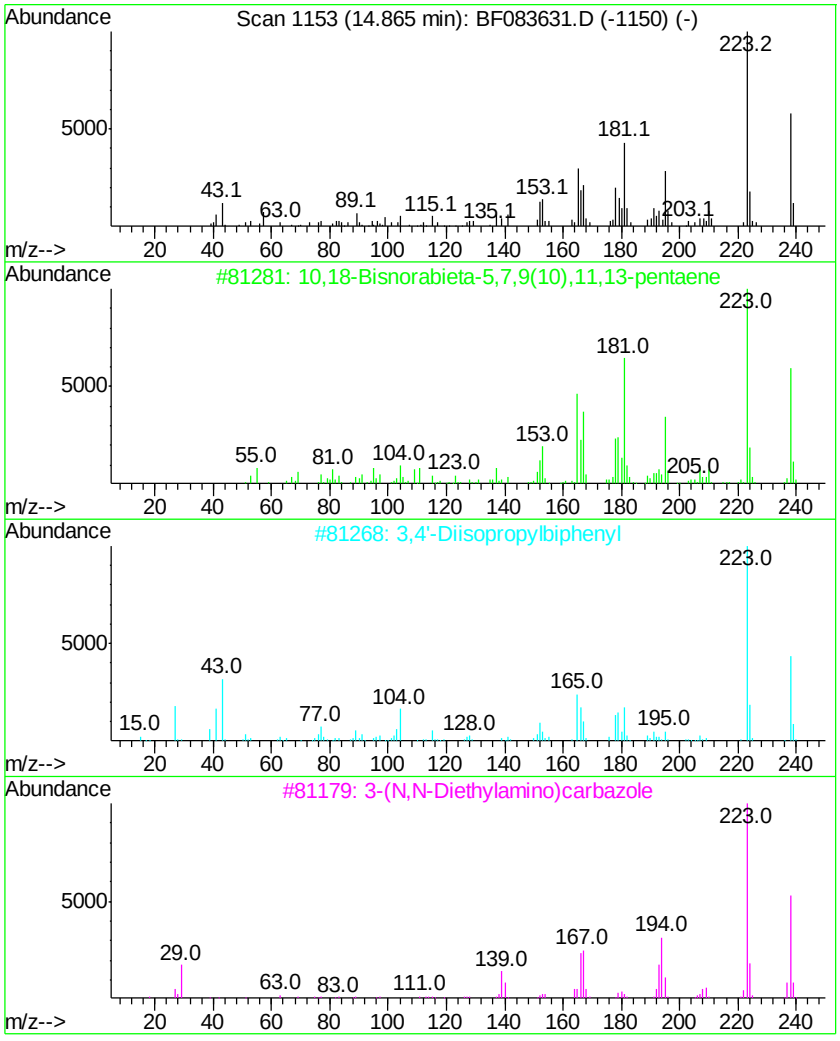
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

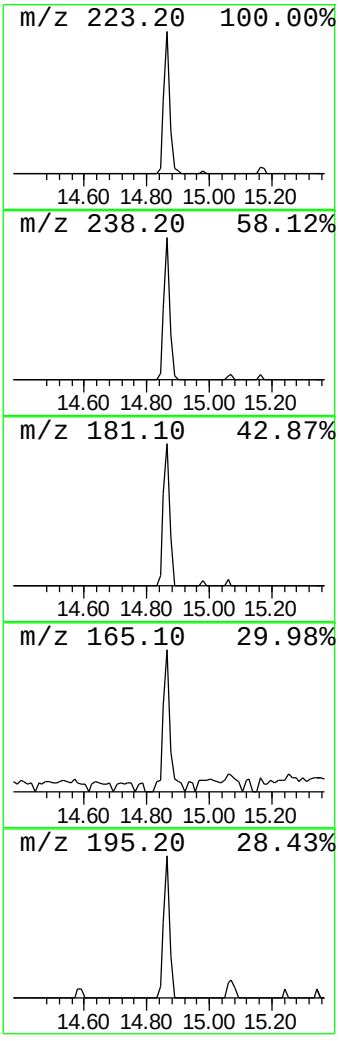
**********

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.87 | 3.66 ng | 155636 | Phenanthrene-d10 | 12.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 99 |
| 2 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 86 |
| 3 | 3-(N,N-Diethylamino)carbazole | 238 | C16H18N2 | 054994-31-9 | 53 |
| 4 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 53 |
| 5 | Anthracene, 1,4-dimethoxy- | 238 | C16H14O2 | 013076-29-4 | 47 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

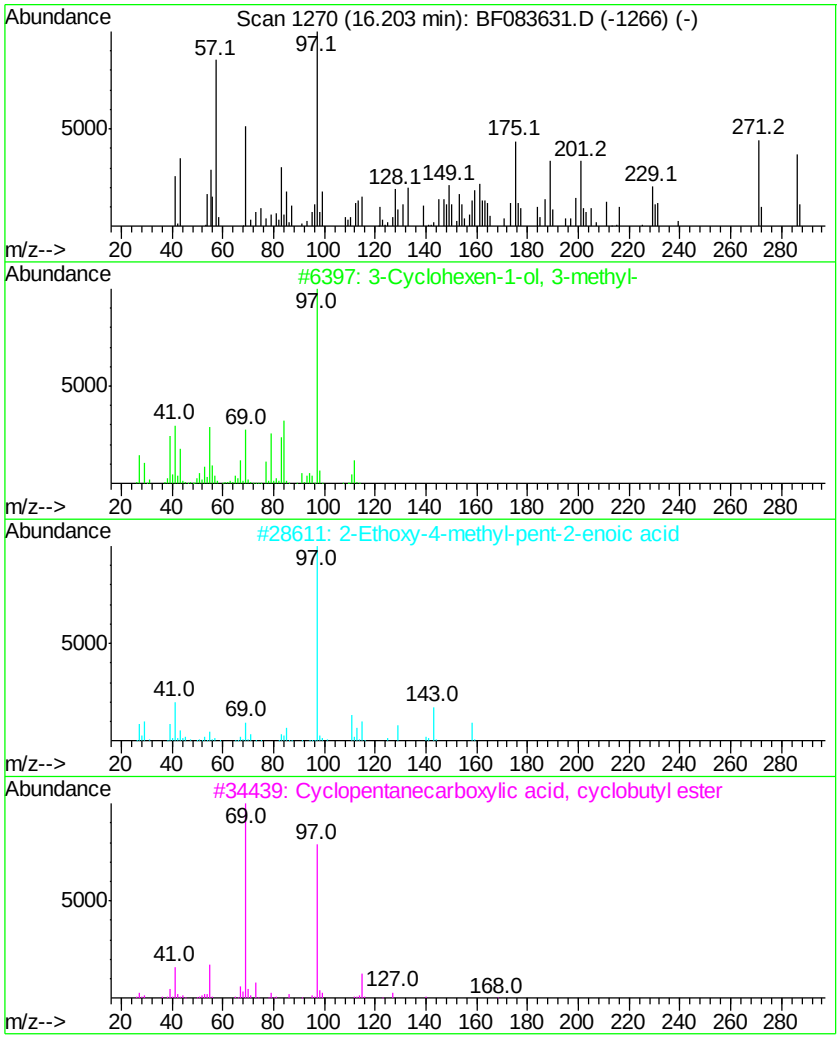
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

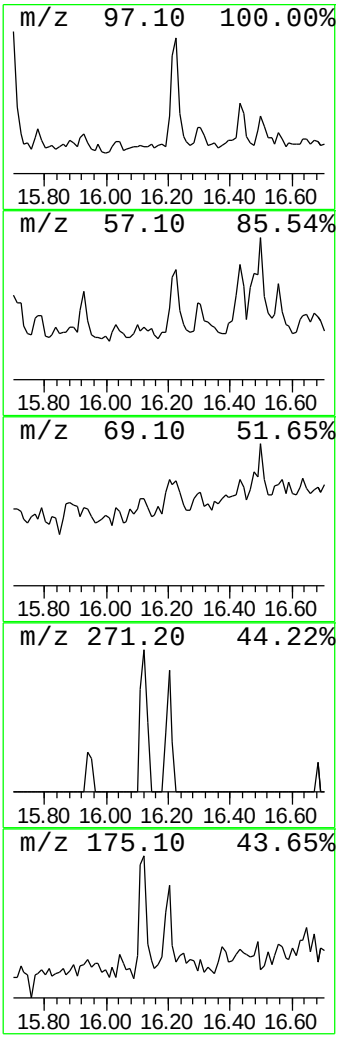
**********

Peak Number 9 unknown16.20 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.20 | 2.36 ng | 91501 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Cyclohexen-1-ol, 3-methyl- | 112 | C7H12O | 053783-91-8 | 14 |
| 2 | 2-Ethoxy-4-methyl-pent-2-enoic acid | 158 | C8H14O3 | 1000190-08-8 | 14 |
| 3 | Cyclopentanecarboxylic acid, cyc... | 168 | C10H16O2 | 1000282-76-8 | 14 |
| 4 | 4,5-Dihydro-N-hydroxy-N-phenyl-3... | 205 | C11H11NO3 | 1000243-32-3 | 14 |
| 5 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

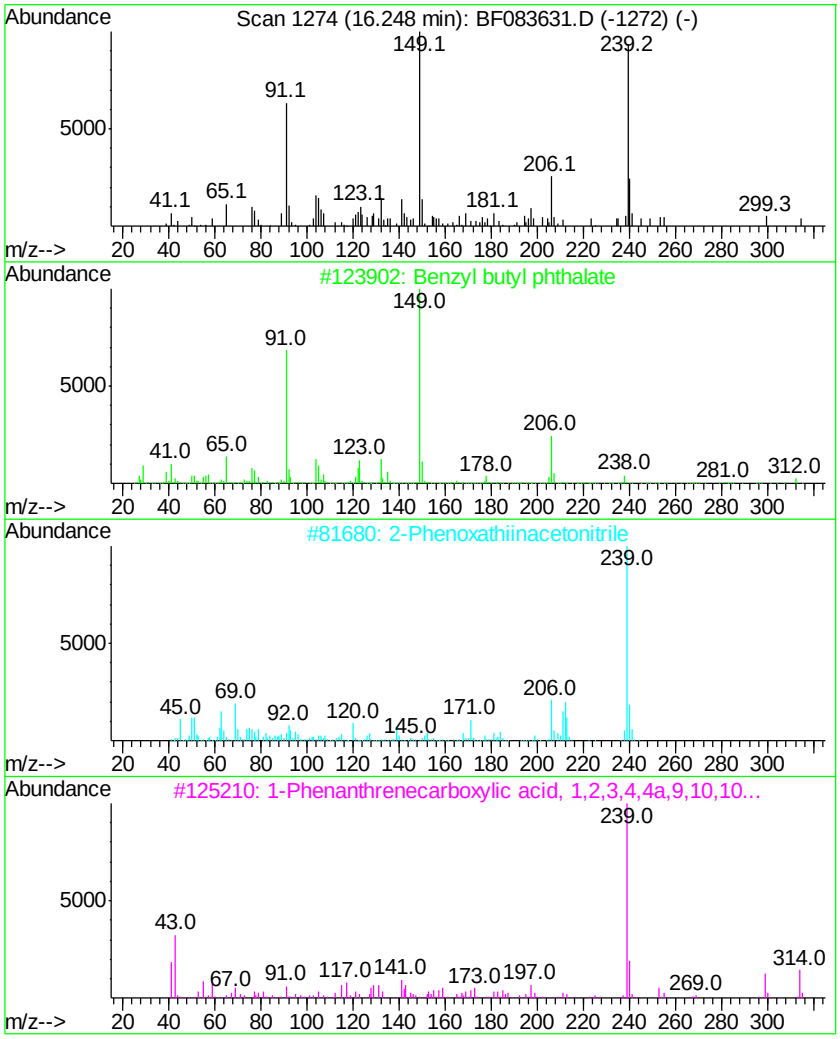
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

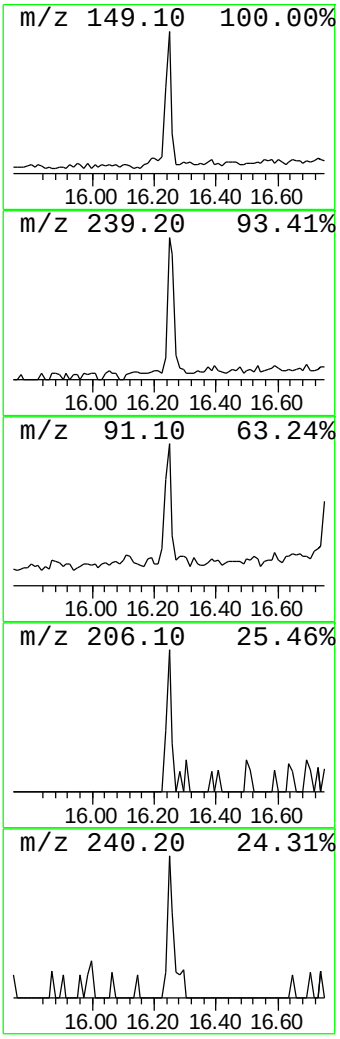
**********

Peak Number 10 unknown16.25 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.25 | 2.27 ng | 88010 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzyl butyl phthalate | 312 | C19H20O4 | 000085-68-7 | 41 |
| 2 | 2-Phenoxathiinacetonitrile | 239 | C14H9NOS | 1000255-56-5 | 38 |
| 3 | 1-Phenanthrenecarboxylic acid, 1... | 314 | C21H30O2 | 001235-74-1 | 30 |
| 4 | 4-Amino-3-(N,N-dimethylamino)-9-... | 239 | C15H17N3 | 094127-27-2 | 27 |
| 5 | 9,10-Anthracenedione, 1-amino-4-... | 239 | C14H9NO3 | 000116-85-8 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

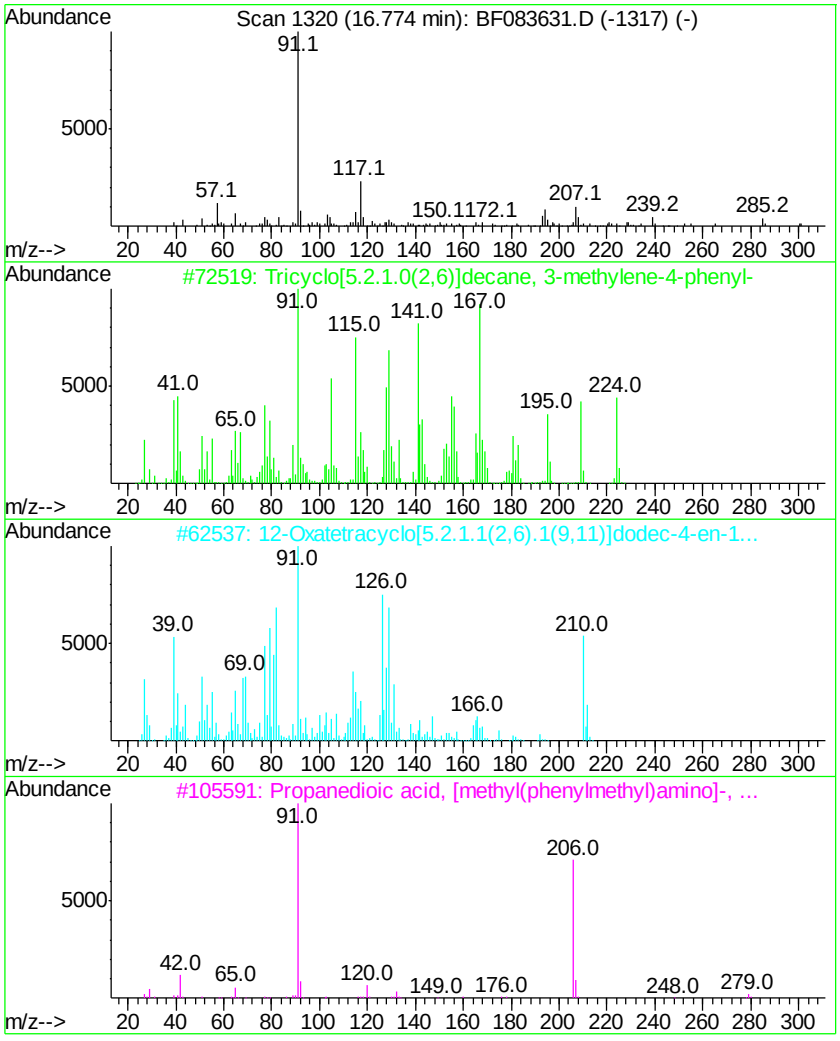
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

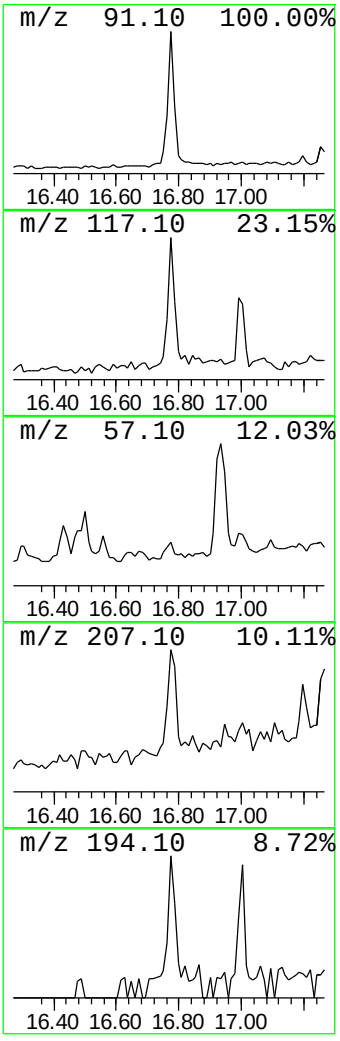
**********

Peak Number 11 Tricyclo[5.2.1.0(2,6)]decan... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.77 | 2.82 ng | 109407 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricyclo[5.2.1.0(2,6)]decane, 3-... | 224 | C17H20 | 1000150-37-1 | 56 |
| 2 | 12-Oxatetracyclo[5.2.1.1(2,6).1(... | 210 | C11H11ClO2 | 078630-89-4 | 38 |
| 3 | Propanedioic acid, [methyl(phenv... | 279 | C15H21NO4 | 001032-02-6 | 27 |
| 4 | Cyclohexanone, 2-[[bis(phenylmet... | 383 | C27H29NO | 094318-25-9 | 16 |
| 5 | Benzonitrile, m-phenethyl- | 207 | C15H13N | 034176-91-5 | 16 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

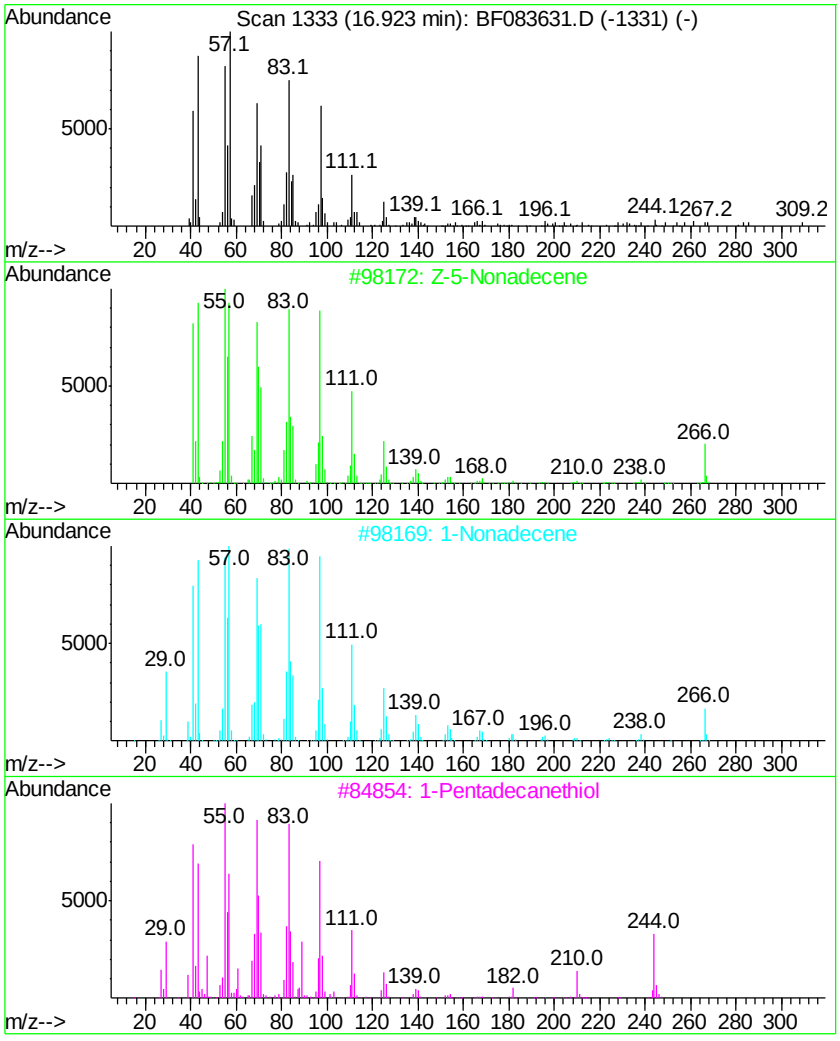
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

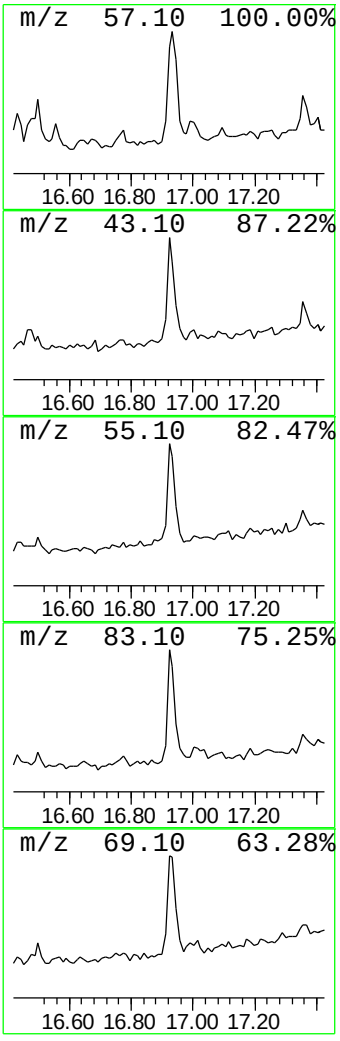
**********

Peak Number 12 Z-5-Nonadecene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.92 | 9.22 ng | 358213 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Z-5-Nonadecene | 266 | C19H38 | 1000131-11-8 | 98 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 97 |
| 3 | 1-Pentadecanethiol | 244 | C15H32S | 025276-70-4 | 95 |
| 4 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 91 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

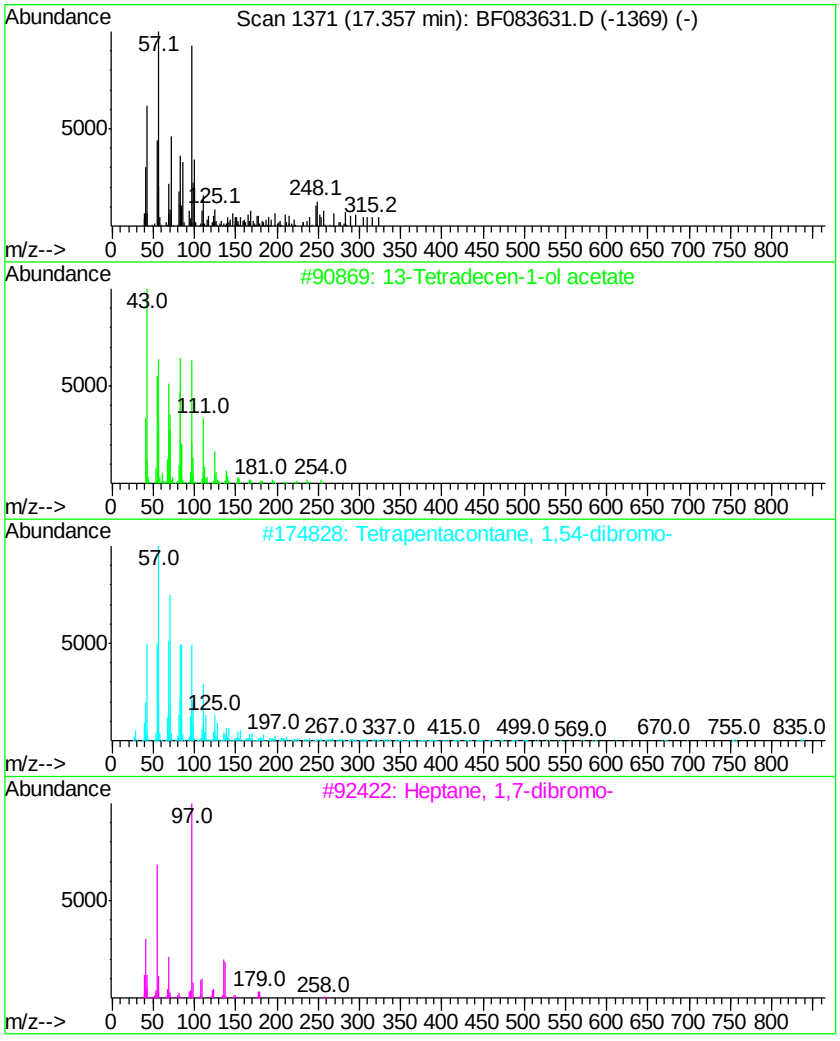
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

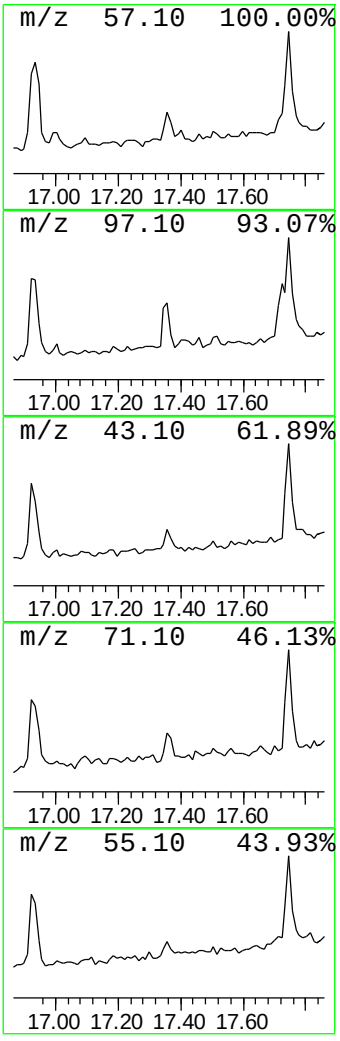
**********

Peak Number 13 13-Tetradecen-1-ol acetate Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.36 | 2.11 ng | 81858 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 13-Tetradecen-1-ol acetate | 254 | C16H30O2 | 056221-91-1 | 59 |
| 2 | Tetrapentacontane, 1,54-dibromo- | 915 | C54H108Br2 | 1000156-09-4 | 27 |
| 3 | Heptane, 1,7-dibromo- | 256 | C7H14Br2 | 004549-31-9 | 27 |
| 4 | 2-Propionyl-6-methyl-3,4-dihydro... | 154 | C9H14O2 | 1000145-07-7 | 27 |
| 5 | 2,4:3,5-Diethylidene-l-xylose | 202 | C9H14O5 | 1000126-95-9 | 25 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

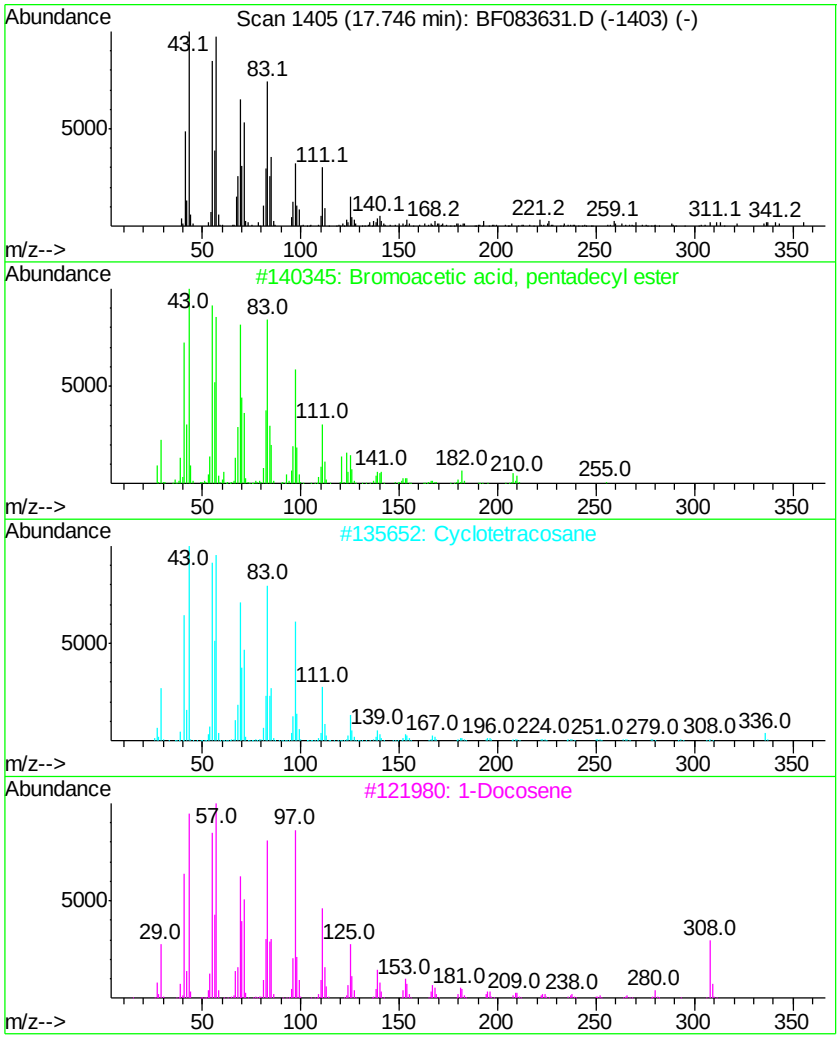
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

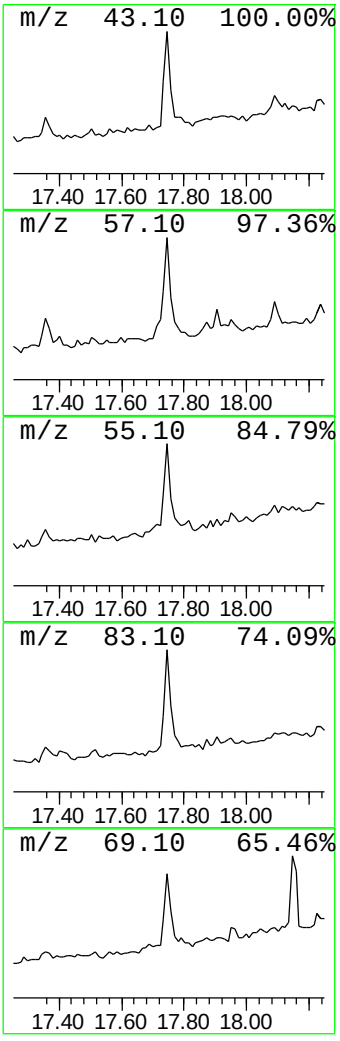
**********

Peak Number 14 Bromoacetic acid, pentadecy... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.75 | 6.79 ng | 263808 | Chrysene-d12 | 17.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromoacetic acid, pentadecyl ester | 348 | C17H33BrO2 | 131143-01-6 | 74 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 68 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 68 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 58 |
| 5 | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16 | 002613-66-3 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

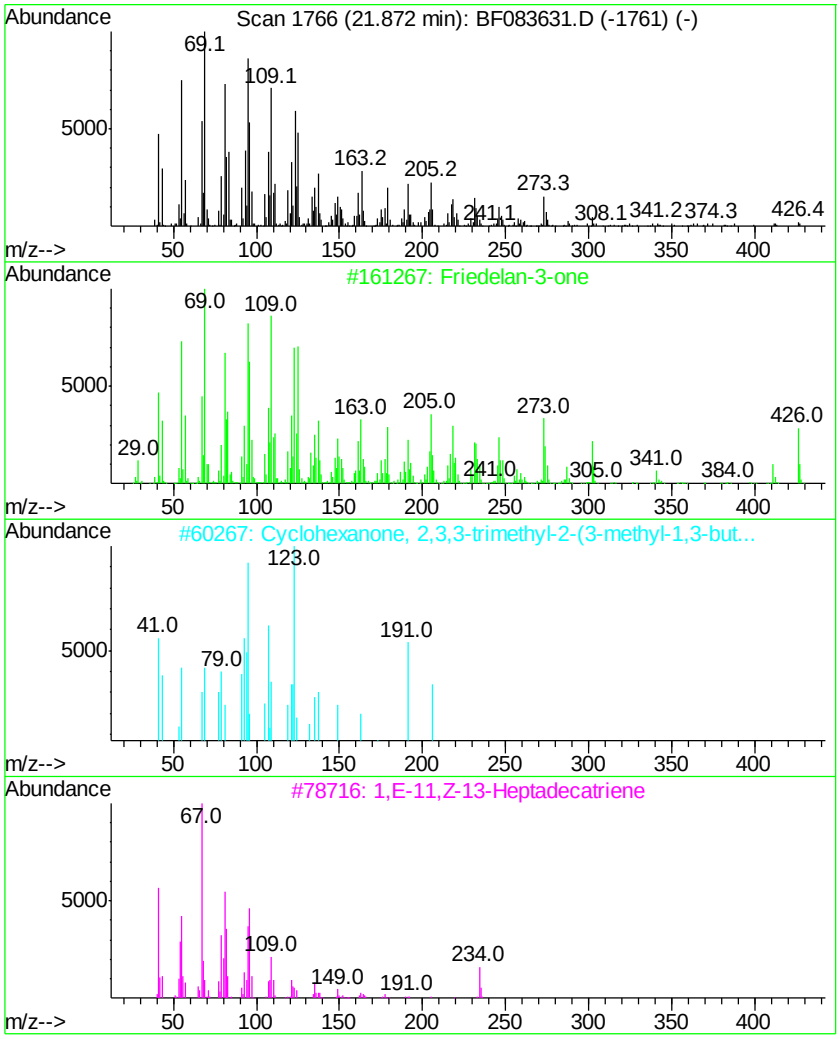
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

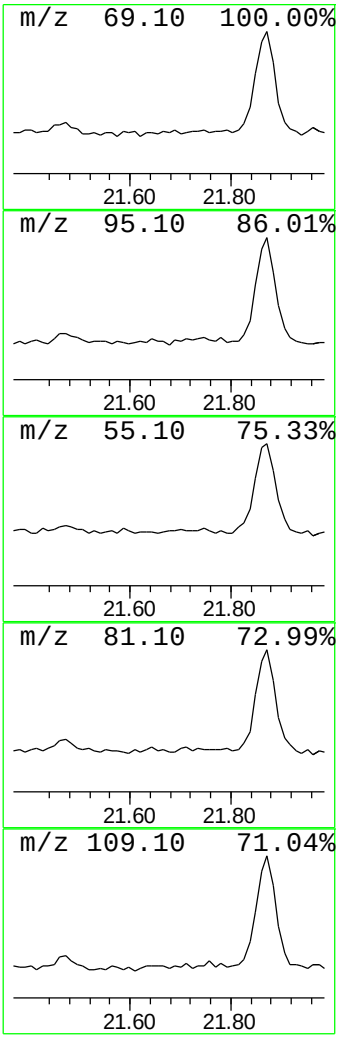
**********

Peak Number 15 Friedelan-3-one Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.87 | 70.77 ng | 1576620 | Perylene-d12 | 18.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Friedelan-3-one | 426 | C30H50O | 000559-74-0 | 95 |
| 2 | Cyclohexanone, 2,3,3-trimethyl-2... | 206 | C14H22O | 069296-90-8 | 52 |
| 3 | 1,E-11,Z-13-Heptadecatriene | 234 | C17H30 | 080625-35-0 | 44 |
| 4 | 2,3,3-Trimethyl-2-(3-methyl-buta... | 206 | C14H22O | 1000193-60-6 | 38 |
| 5 | 3-Cyclopentylpropionic acid, but... | 194 | C12H18O2 | 1000292-46-4 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083631.D
Acq On : 9 Dec 2015 9:39
Operator : UM/IZ
Sample : G4647-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BRIDGE14-10(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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 |
| unknown3.54 | 3.54 | 18.6 | ng | 753526 | 1 | 5.70 | 808713 | 20.0 |
| Hexadecane | 11.23 | 2.8 | ng | 144458 | 3 | 10.38 | 1034300 | 20.0 |
| Eicosane | 12.01 | 4.7 | ng | 198004 | 4 | 12.79 | 849923 | 20.0 |
| n-Hexadecanoic acid | 13.84 | 5.4 | ng | 228160 | 4 | 12.79 | 849923 | 20.0 |
| 10,18-Bisnorabiet... | 14.87 | 3.7 | ng | 155636 | 4 | 12.79 | 849923 | 20.0 |
| unknown16.20 | 16.20 | 2.4 | ng | 91501 | 5 | 17.00 | 776667 | 20.0 |
| unknown16.25 | 16.25 | 2.3 | ng | 88010 | 5 | 17.00 | 776667 | 20.0 |
| Tricyclo[5.2.1.0(... | 16.77 | 2.8 | ng | 109407 | 5 | 17.00 | 776667 | 20.0 |
| Z-5-Nonadecene | 16.92 | 9.2 | ng | 358213 | 5 | 17.00 | 776667 | 20.0 |
| 13-Tetradecen-1-o... | 17.36 | 2.1 | ng | 81858 | 5 | 17.00 | 776667 | 20.0 |
| Bromoacetic acid,... | 17.75 | 6.8 | ng | 263808 | 5 | 17.00 | 776667 | 20.0 |
| Friedelan-3-one | 21.87 | 70.8 | ng | 1576620 | 6 | 18.64 | 445557 | 20.0 |