LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

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-BF111214.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 | 1.361 | 23 | 24 | 56 | rVB3 | 172863 | 1097083 | 34.33% | 3.078% |
| 2 | 1.761 | 56 | 59 | 62 | rVV | 499943 | 792258 | 24.79% | 2.223% |
| 3 | 1.830 | 63 | 65 | 73 | rVV | 154223 | 309969 | 9.70% | 0.870% |
| 4 | 1.967 | 73 | 77 | 102 | rVB2 | 1282317 | 3195559 | 100.00% | 8.966% |
| 5 | 5.339 | 370 | 372 | 377 | rVB | 169484 | 187924 | 5.88% | 0.527% |
| 6 | 5.830 | 413 | 415 | 418 | rBV | 563951 | 743547 | 23.27% | 2.086% |
| 7 | 6.996 | 515 | 517 | 519 | rBV | 593423 | 524676 | 16.42% | 1.472% |
| 8 | 7.087 | 523 | 525 | 527 | rVV | 561809 | 465229 | 14.56% | 1.305% |
| 9 | 7.259 | 537 | 540 | 542 | rBV | 1494756 | 1470722 | 46.02% | 4.127% |
| 10 | 7.545 | 563 | 565 | 568 | rBV | 257578 | 286988 | 8.98% | 0.805% |
| 11 | 7.739 | 579 | 582 | 584 | rBV2 | 1540014 | 1842909 | 57.67% | 5.171% |
| 12 | 8.048 | 607 | 609 | 612 | rVB2 | 35276 | 38023 | 1.19% | 0.107% |
| 13 | 8.242 | 623 | 626 | 628 | rBV | 1231233 | 1179104 | 36.90% | 3.308% |
| 14 | 8.790 | 672 | 674 | 677 | rVB | 26805 | 35287 | 1.10% | 0.099% |
| 15 | 9.133 | 701 | 704 | 706 | rBV | 337647 | 389189 | 12.18% | 1.092% |
| 16 | 9.168 | 706 | 707 | 709 | rVB | 39240 | 35216 | 1.10% | 0.099% |
| 17 | 9.282 | 714 | 717 | 719 | rBV | 51167 | 48529 | 1.52% | 0.136% |
| 18 | 9.339 | 720 | 722 | 724 | rBV | 178565 | 147355 | 4.61% | 0.413% |
| 19 | 9.431 | 727 | 730 | 733 | rBV | 59249 | 75727 | 2.37% | 0.212% |
| 20 | 9.705 | 752 | 754 | 757 | rVB | 383317 | 430639 | 13.48% | 1.208% |
| 21 | 10.013 | 779 | 781 | 784 | rBV2 | 79045 | 164569 | 5.15% | 0.462% |
| 22 | 10.059 | 784 | 785 | 792 | rVV | 102663 | 109260 | 3.42% | 0.307% |
| 23 | 10.151 | 792 | 793 | 796 | rVV | 55702 | 63212 | 1.98% | 0.177% |
| 24 | 10.219 | 796 | 799 | 801 | rVV | 97873 | 129081 | 4.04% | 0.362% |
| 25 | 10.276 | 802 | 804 | 807 | rVV | 395199 | 495858 | 15.52% | 1.391% |
| 26 | 10.368 | 809 | 812 | 816 | rVV3 | 45049 | 81874 | 2.56% | 0.230% |
| 27 | 10.471 | 819 | 821 | 824 | rVB | 1739802 | 2053221 | 64.25% | 5.761% |
| 28 | 10.699 | 839 | 841 | 843 | rBV | 2629767 | 2841378 | 88.92% | 7.972% |
| 29 | 10.745 | 843 | 845 | 852 | rVV | 395560 | 634347 | 19.85% | 1.780% |
| 30 | 10.848 | 852 | 854 | 856 | rVB | 32057 | 36964 | 1.16% | 0.104% |
| 31 | 11.054 | 870 | 872 | 874 | rBV | 1722033 | 1660152 | 51.95% | 4.658% |
| 32 | 11.088 | 874 | 875 | 878 | rVB | 44577 | 43197 | 1.35% | 0.121% |
| 33 | 11.248 | 887 | 889 | 892 | rVB | 41244 | 58546 | 1.83% | 0.164% |
| 34 | 11.305 | 892 | 894 | 896 | rBV | 386160 | 460979 | 14.43% | 1.293% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

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-BF111214.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.339 | 896 | 897 | 899 | rVV | 464762 | 352060 | 11.02% | 0.988% |
| 36 | 11.408 | 899 | 903 | 906 | rVV2 | 1756160 | 2073158 | 64.88% | 5.817% |
| 37 | 11.465 | 906 | 908 | 910 | rVV | 1340089 | 1563606 | 48.93% | 4.387% |
| 38 | 11.534 | 913 | 914 | 917 | rVV2 | 63150 | 106776 | 3.34% | 0.300% |
| 39 | 11.579 | 917 | 918 | 923 | rVB2 | 36352 | 53409 | 1.67% | 0.150% |
| 40 | 11.739 | 930 | 932 | 938 | rBV3 | 43570 | 79488 | 2.49% | 0.223% |
| 41 | 11.888 | 943 | 945 | 947 | rVV | 120104 | 125583 | 3.93% | 0.352% |
| 42 | 11.968 | 949 | 952 | 954 | rVV | 234135 | 256960 | 8.04% | 0.721% |
| 43 | 12.025 | 954 | 957 | 961 | rVV2 | 118430 | 179806 | 5.63% | 0.504% |
| 44 | 12.094 | 961 | 963 | 966 | rVB | 1767321 | 2160758 | 67.62% | 6.063% |
| 45 | 12.254 | 973 | 977 | 978 | rBV2 | 38427 | 65206 | 2.04% | 0.183% |
| 46 | 12.288 | 978 | 980 | 983 | rVV | 1259442 | 1304629 | 40.83% | 3.661% |
| 47 | 12.345 | 983 | 985 | 987 | rVV | 81451 | 125376 | 3.92% | 0.352% |
| 48 | 12.425 | 987 | 992 | 999 | rVV3 | 84803 | 345353 | 10.81% | 0.969% |
| 49 | 12.528 | 999 | 1001 | 1007 | rVB4 | 22612 | 67489 | 2.11% | 0.189% |
| 50 | 12.974 | 1037 | 1040 | 1041 | rBV2 | 28430 | 54755 | 1.71% | 0.154% |
| 51 | 13.157 | 1053 | 1056 | 1059 | rBV | 472499 | 447969 | 14.02% | 1.257% |
| 52 | 13.408 | 1076 | 1078 | 1079 | rBV | 41844 | 38855 | 1.22% | 0.109% |
| 53 | 13.557 | 1089 | 1091 | 1094 | rVB2 | 33106 | 37667 | 1.18% | 0.106% |
| 54 | 13.694 | 1100 | 1103 | 1105 | rVB | 184253 | 163966 | 5.13% | 0.460% |
| 55 | 13.911 | 1120 | 1122 | 1124 | rVB | 52341 | 64915 | 2.03% | 0.182% |
| 56 | 14.951 | 1211 | 1213 | 1215 | rBV | 25385 | 31991 | 1.00% | 0.090% |
| 57 | 15.157 | 1228 | 1231 | 1233 | rBV | 1953747 | 2329866 | 72.91% | 6.537% |
| 58 | 15.774 | 1283 | 1285 | 1288 | rBV | 232806 | 455285 | 14.25% | 1.277% |
| 59 | 16.448 | 1341 | 1344 | 1347 | rBV | 497822 | 491539 | 15.38% | 1.379% |
| 60 | 16.643 | 1358 | 1361 | 1366 | rBV | 26369 | 60854 | 1.90% | 0.171% |
| 61 | 18.174 | 1492 | 1495 | 1498 | rBV | 355683 | 474573 | 14.85% | 1.332% |

Sum of corrected areas: 35640463

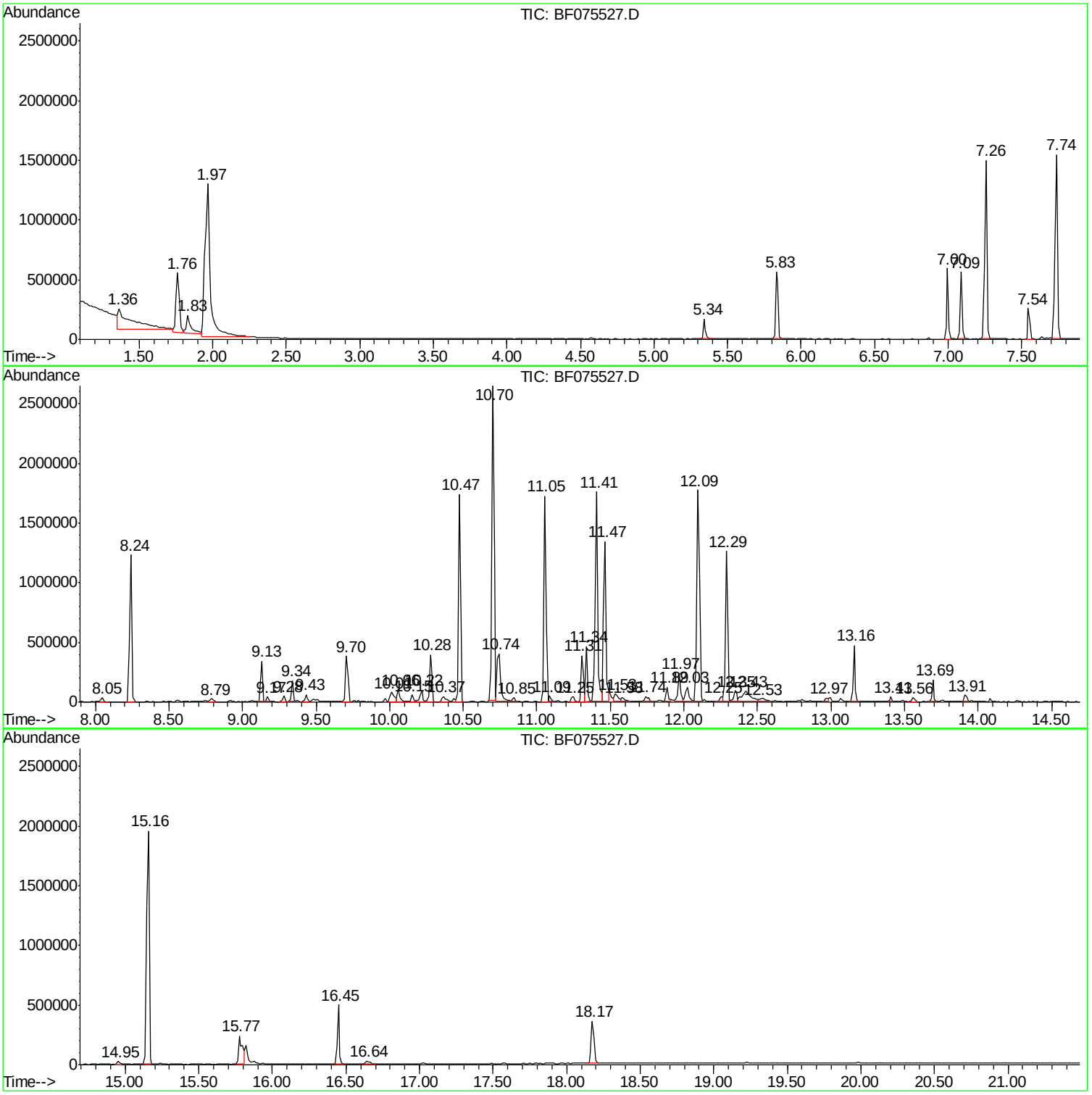
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

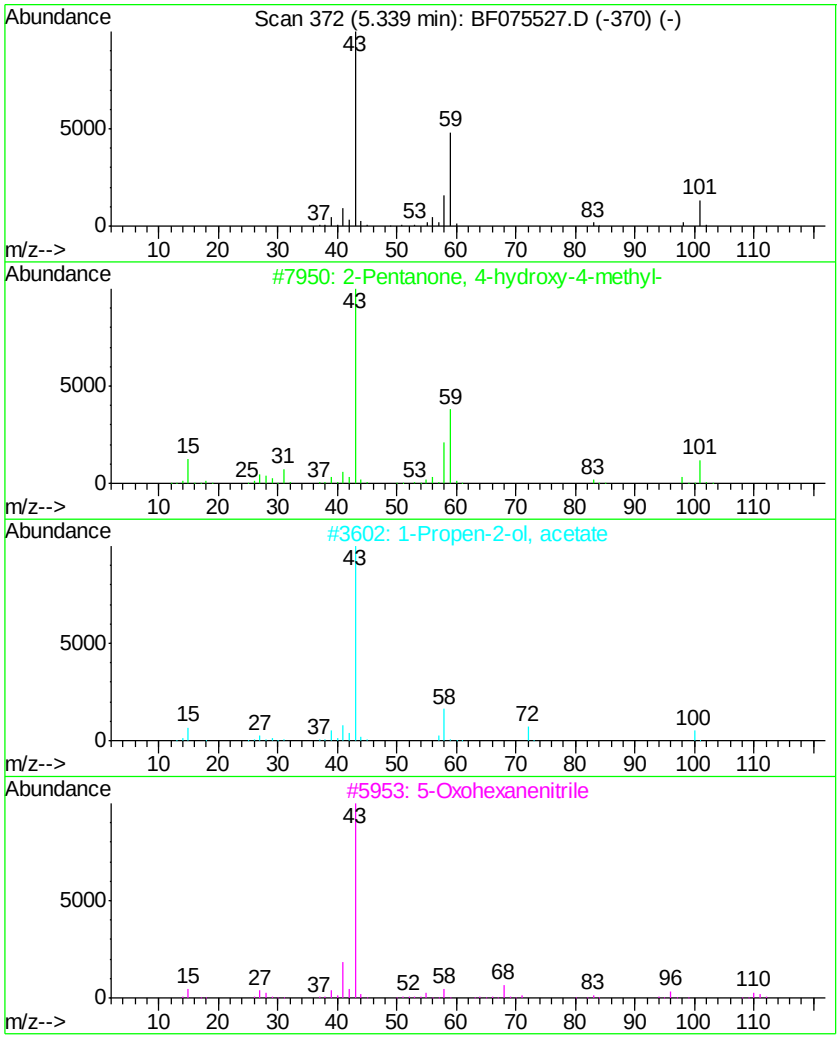
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

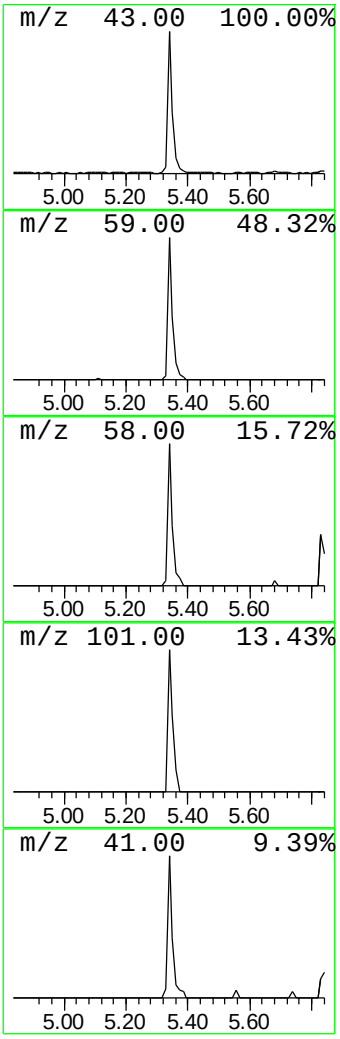
**********

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.34 | 13.10 ng | 187924 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 3 | 5-Oxohexanenitrile | 111 | C6H9NO | 010412-98-3 | 9 |
| 4 | Formamide, N,N-diethyl- | 101 | C5H11NO | 000617-84-5 | 7 |
| 5 | 2-Propyn-1-ol, acetate | 98 | C5H6O2 | 000627-09-8 | 5 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

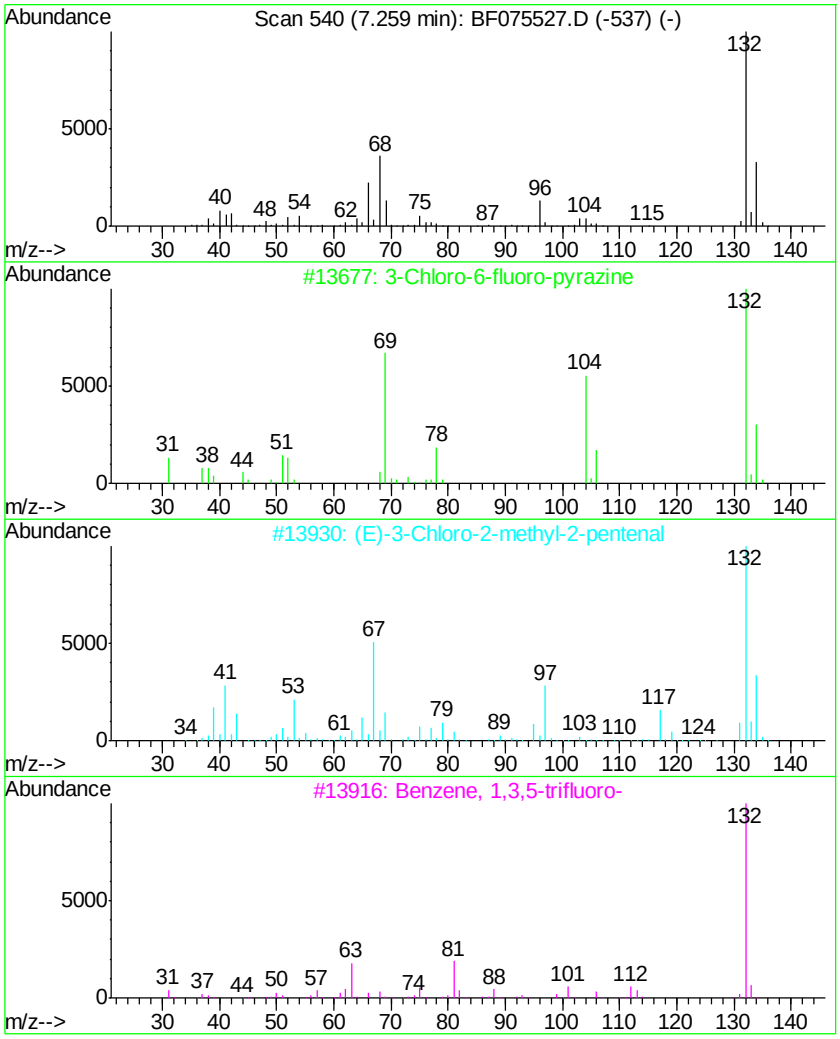
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

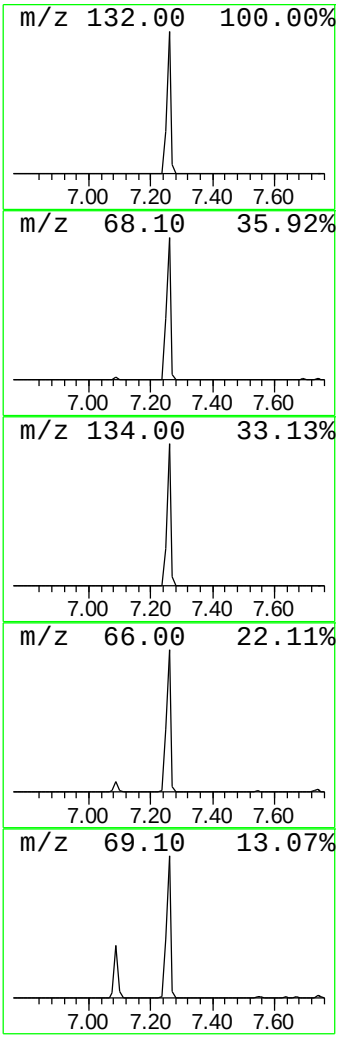
**********

Peak Number 6 unknown7.26 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.26 | 102.49 ng | 1470720 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

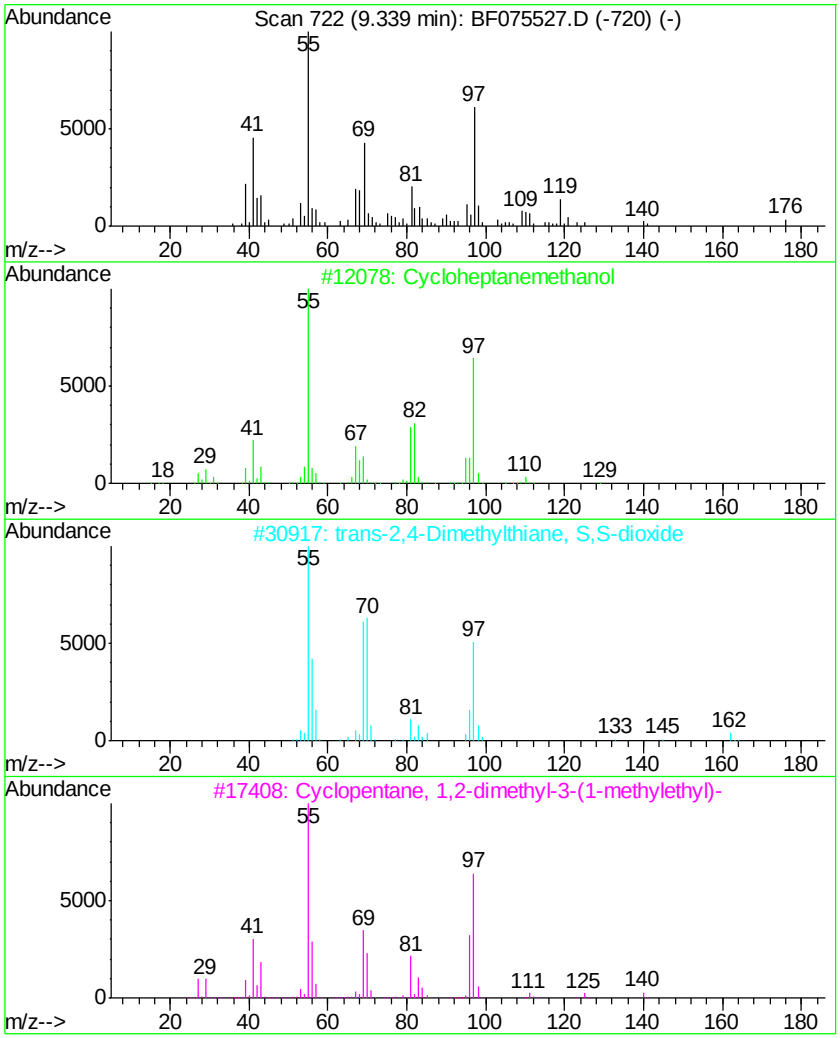
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

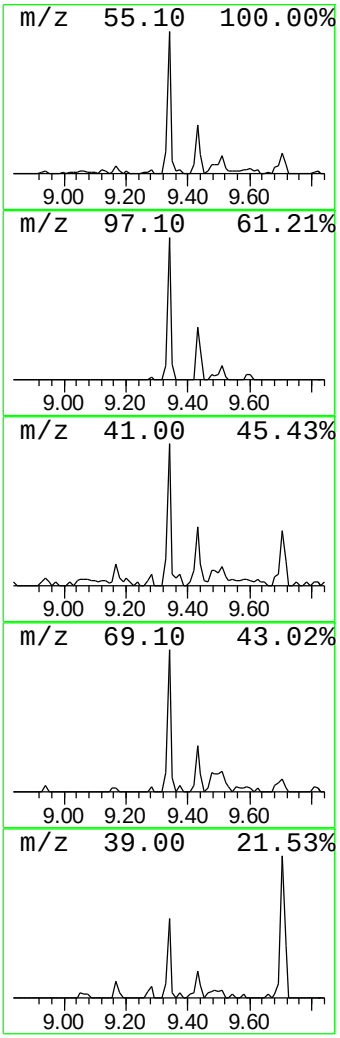
**********

Peak Number 7 Cycloheptanemethanol Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.34 | 7.57 ng | 147355 | Naphthalene-d8 | 9.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptanemethanol | 128 | C8H16O | 004448-75-3 | 50 |
| 2 | trans-2,4-Dimethylthiane, S,S-di... | 162 | C7H14O2S | 1000215-67-6 | 47 |
| 3 | Cyclopentane, 1,2-dimethyl-3-(1-... | 140 | C10H20 | 000489-20-3 | 47 |
| 4 | Cyclopentane, (1-methylbutyl)- | 140 | C10H20 | 004737-43-3 | 47 |
| 5 | Dichloroacetic acid, 1-cyclopent... | 224 | C9H14Cl2O2 | 1000282-56-3 | 47 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

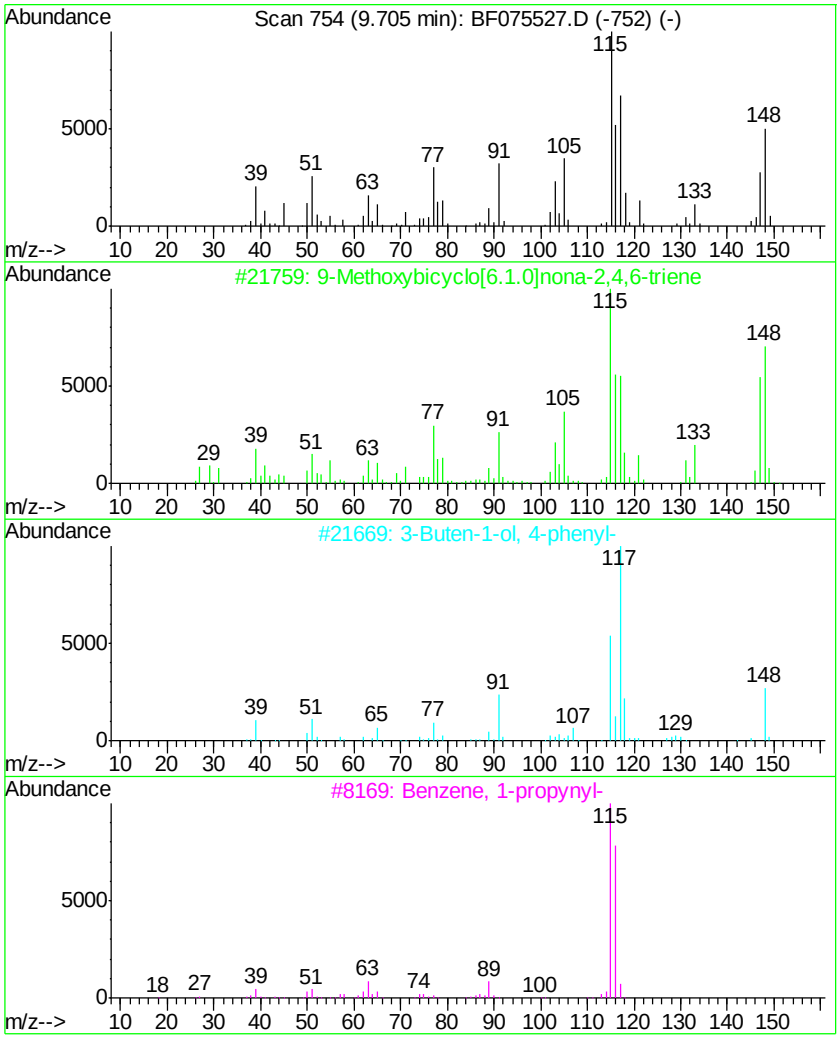
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

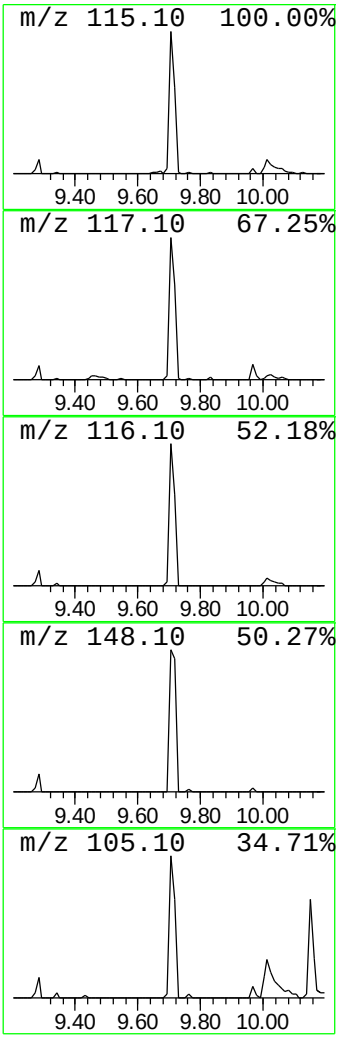
**********

Peak Number 8 9-Methoxybicyclo[6.1.0]nona... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.70 | 22.13 ng | 430639 | Naphthalene-d8 | 9.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Methoxybicyclo[6.1.0]nona-2,4,... | 148 | C10H12O | 000826-14-2 | 91 |
| 2 | 3-Buten-1-ol, 4-phenyl- | 148 | C10H12O | 000937-58-6 | 38 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 35 |
| 4 | Benzene, 1-methoxy-4-(1-propenyl)- | 148 | C10H12O | 000104-46-1 | 27 |
| 5 | Benzeneacetaldehyde, .alpha.-eth... | 146 | C10H10O | 004411-89-6 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

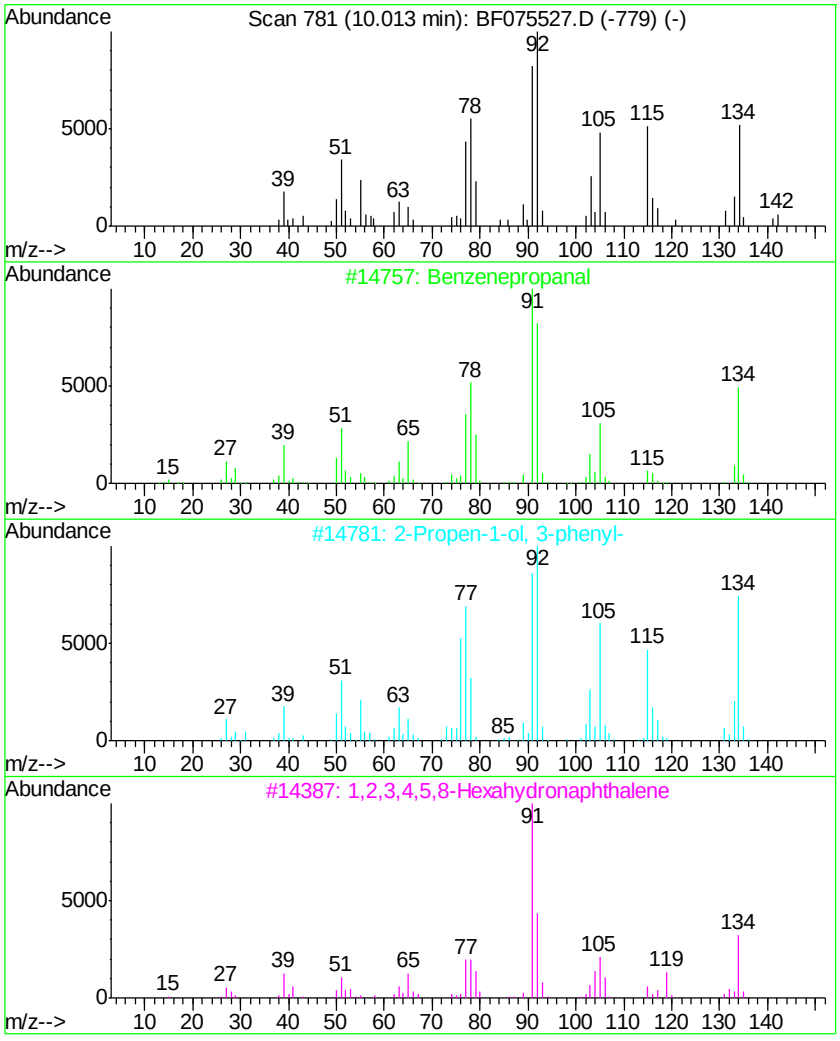
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

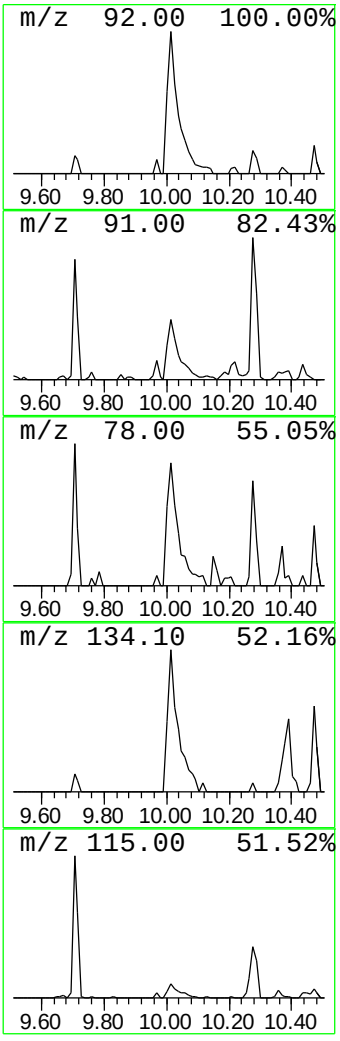
**********

Peak Number 9 Benzenepropanal Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.01 | 8.46 ng | 164569 | Naphthalene-d8 | 9.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenepropanal | 134 | C9H10O | 000104-53-0 | 90 |
| 2 | 2-Propen-1-ol, 3-phenyl- | 134 | C9H10O | 000104-54-1 | 87 |
| 3 | 1,2,3,4,5,8-Hexahydronaphthalene | 134 | C10H14 | 036231-13-7 | 50 |
| 4 | Bicyclo[3.2.2]nona-6,8-dien-3-one | 134 | C9H10O | 026788-91-0 | 49 |
| 5 | Bicyclo[2.2.2]oct-7-en-2-one, 5-... | 134 | C9H10O | 1000217-18-1 | 38 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

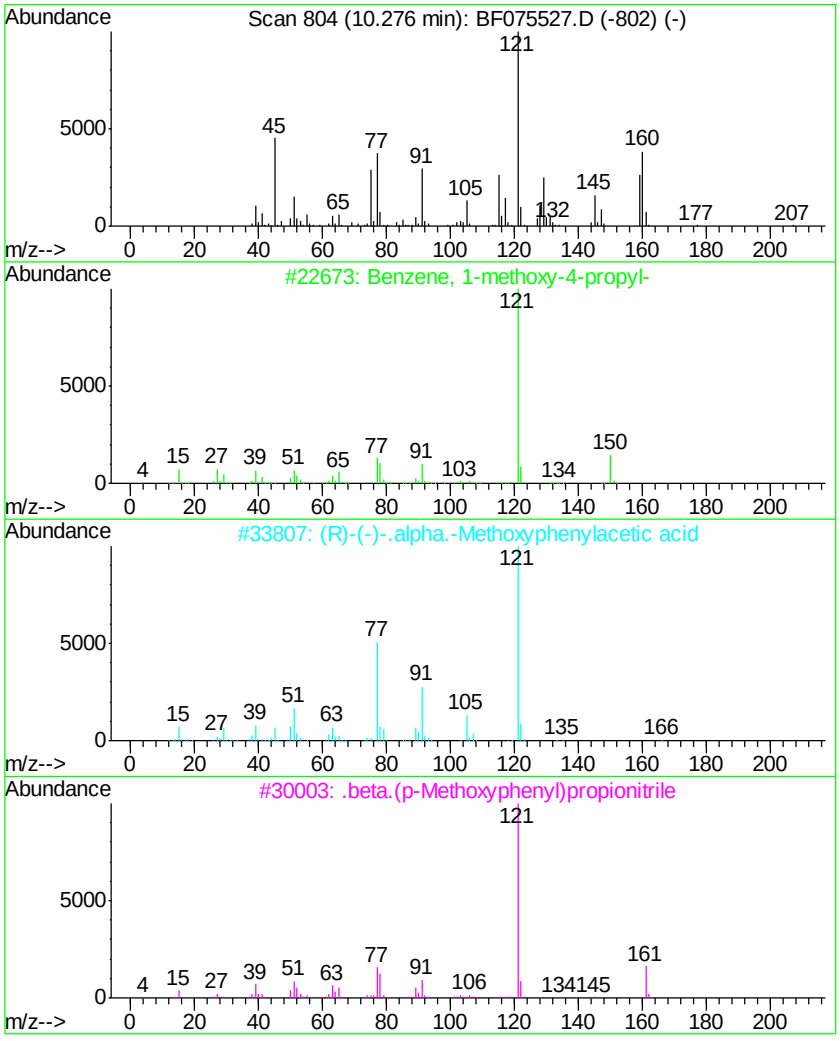
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

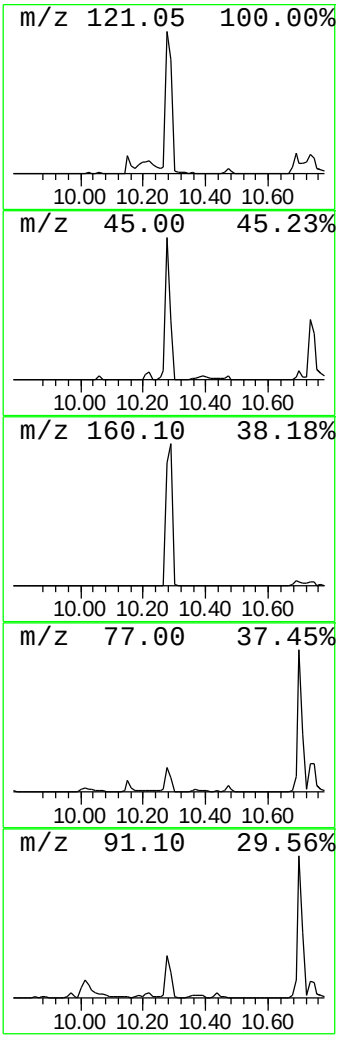
**********

Peak Number 10 unknown10.28 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.28 | 21.51 ng | 495858 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methoxy-4-propyl- | 150 | C10H14O | 000104-45-0 | 22 |
| 2 | (R)-(-)-.alpha.-Methoxyphenylace... | 166 | C9H10O3 | 003966-32-3 | 22 |
| 3 | .beta.(p-Methoxyphenyl)propionit... | 161 | C10H11NO | 022442-48-4 | 22 |
| 4 | Silane, trimethoxymethyl- | 136 | C4H12O3Si | 001185-55-3 | 22 |
| 5 | Pyridine, 2,3,6-trimethyl- | 121 | C8H11N | 001462-84-6 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

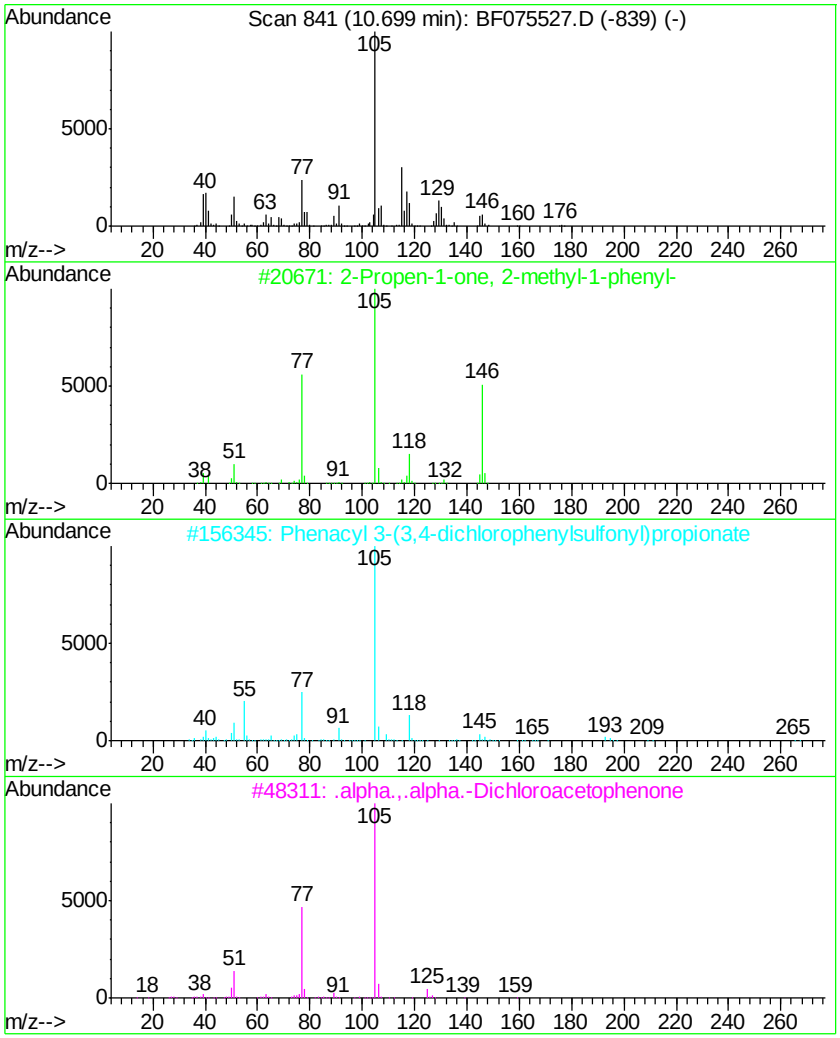
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

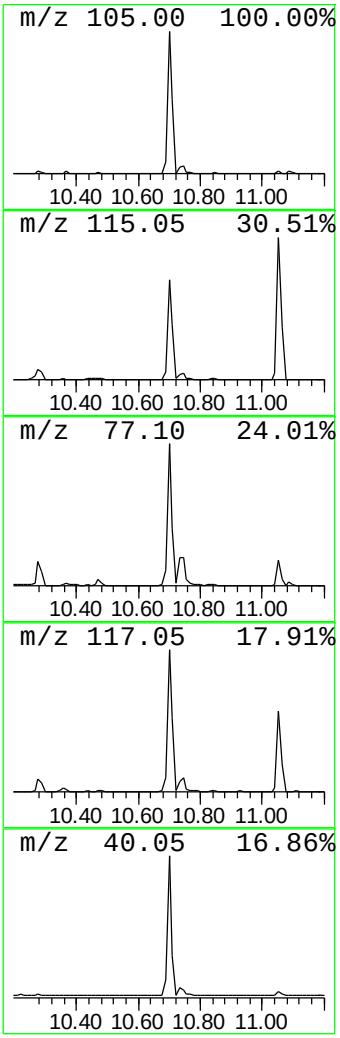
**********

Peak Number 11 unknown10.70 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.70 | 123.28 ng | 2841380 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propen-1-one, 2-methyl-1-phenyl- | 146 | C10H10O | 000769-60-8 | 43 |
| 2 | Phenacyl 3-(3,4-dichlorophenylsu... | 400 | C17H14Cl2O5S | 1000225-01-1 | 35 |
| 3 | .alpha.,.alpha.-Dichloroacetophe... | 188 | C8H6Cl2O | 002648-61-5 | 27 |
| 4 | 2,5-Cyclohexadiene-1,4-dione, 3-... | 333 | C15H12BrNO3 | 324051-08-3 | 27 |
| 5 | Phenacyl thiocyanate | 177 | C9H7NOS | 005399-30-4 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

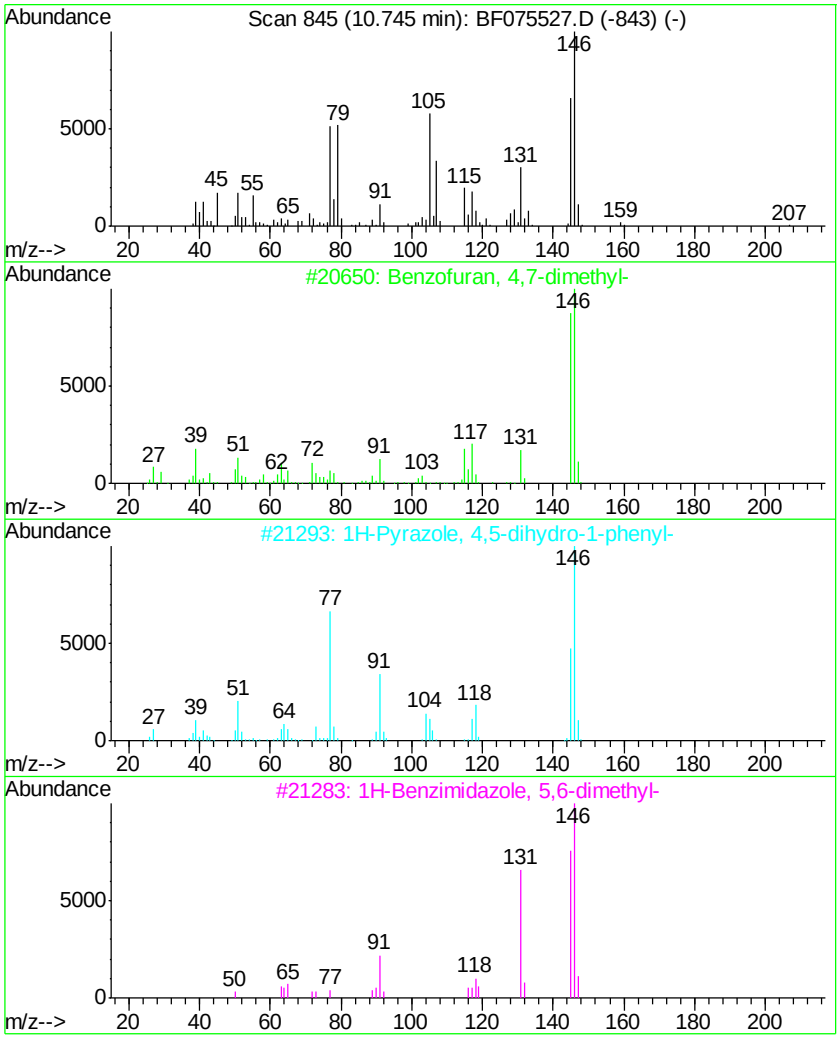
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

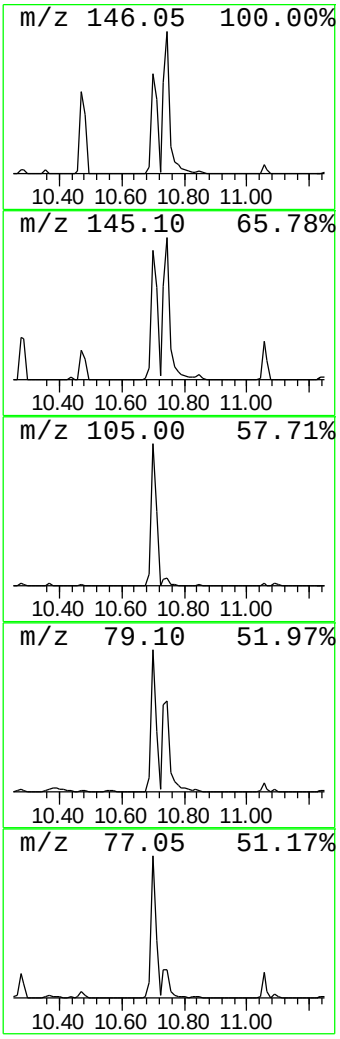
**********

Peak Number 12 Benzofuran, 4,7-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.75 | 27.52 ng | 634347 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 4,7-dimethyl- | 146 | C10H10O | 028715-26-6 | 60 |
| 2 | 1H-Pyrazole, 4,5-dihydro-1-phenyl- | 146 | C9H10N2 | 000936-53-8 | 46 |
| 3 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 46 |
| 4 | 1,2-Dimethylbenzimidazole | 146 | C9H10N2 | 002876-08-6 | 43 |
| 5 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

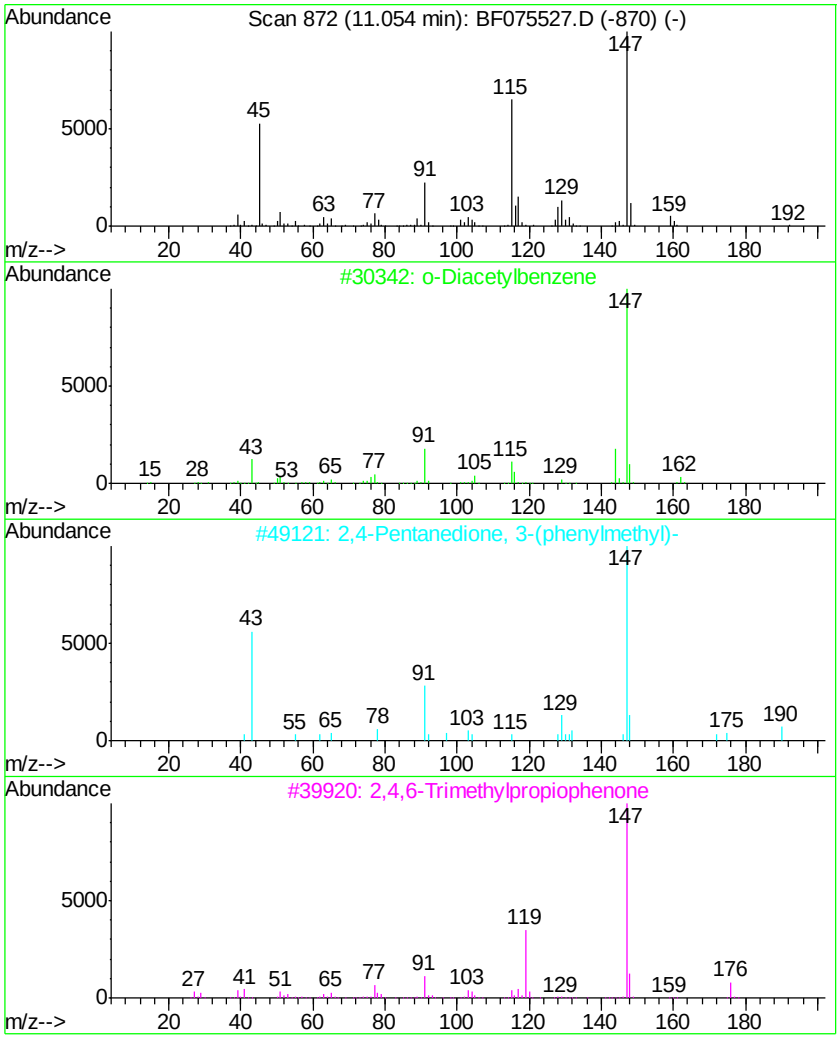
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

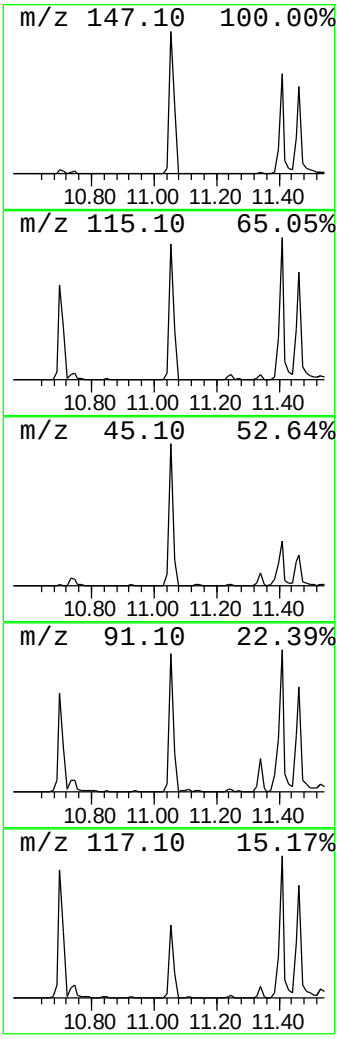
**********

Peak Number 13 unknown11.05 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.05 | 72.03 ng | 1660150 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Diacetylbenzene | 162 | C10H10O2 | 000704-00-7 | 38 |
| 2 | 2,4-Pentanedione, 3-(phenylmethyl)- | 190 | C12H14O2 | 001134-87-8 | 35 |
| 3 | 2,4,6-Trimethylpropiophenone | 176 | C12H16O | 002040-15-5 | 35 |
| 4 | Indane, 2-methoxy-1-(2-methylallyl) | 202 | C14H18O | 1000196-88-9 | 33 |
| 5 | Benzoic acid, 2,4,6-trimethyl-, ... | 282 | C19H22O2 | 001504-38-7 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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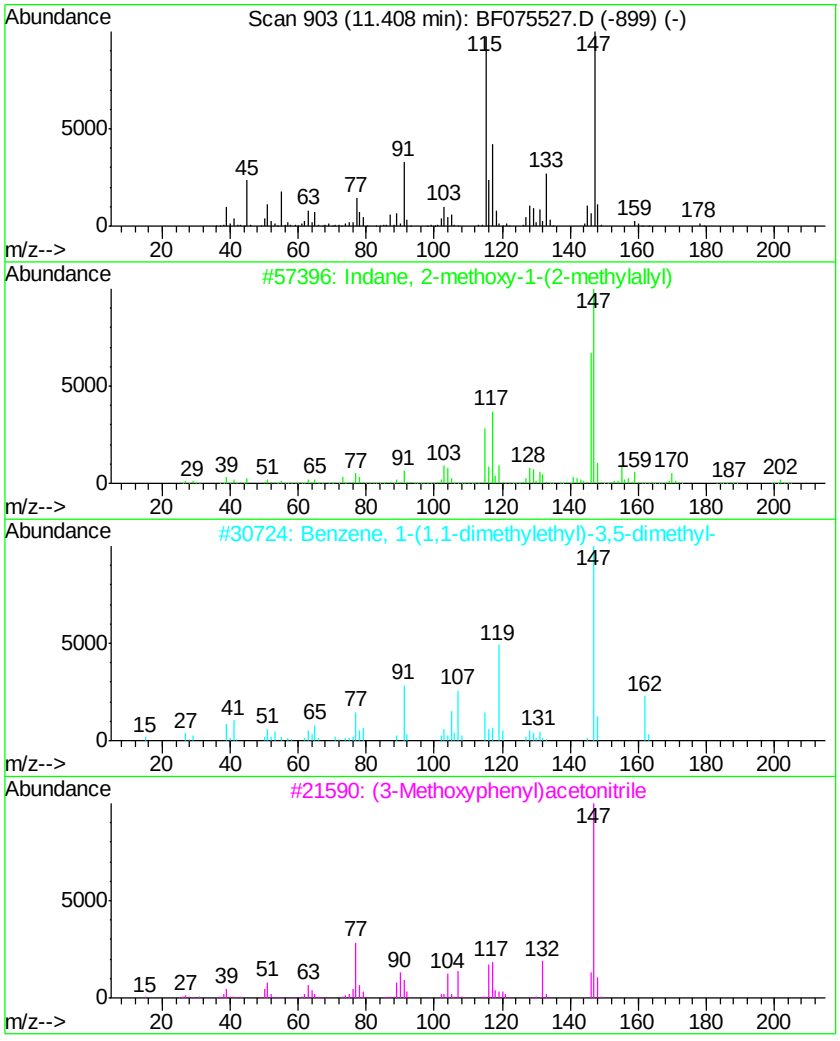
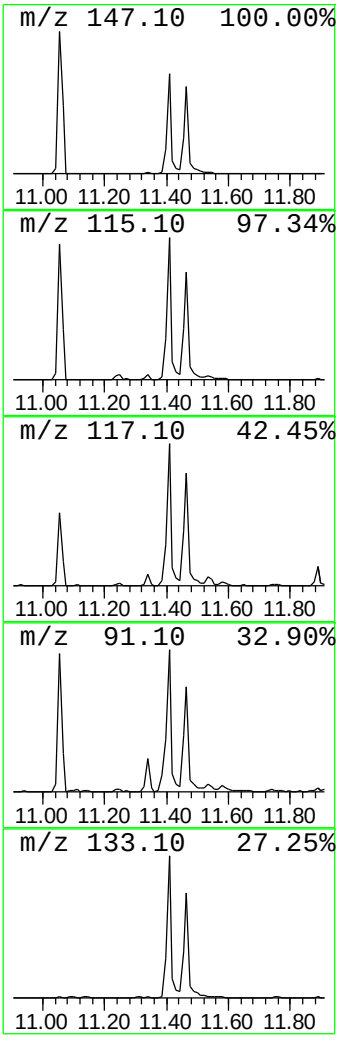
Peak Number 14 unknown11.41 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.41 | 89.95 ng | 2073160 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane, 2-methoxy-1-(2-methylallyl) | 202 | C14H18O | 1000196-88-9 | 38 |
| 2 | Benzene, 1-(1,1-dimethylethyl)-3... | 162 | C12H18 | 000098-19-1 | 35 |
| 3 | (3-Methoxyphenyl)acetonitrile | 147 | C9H9NO | 019924-43-7 | 27 |
| 4 | Dimethyl(trimethylsilyl)ethoxysi... | 176 | C7H20OSi2 | 018297-47-7 | 25 |
| 5 | 2-(5-Methyl-[1,3,4]thiadiazol-2-... | 292 | C14H16N2OS2 | 1000296-87-8 | 25 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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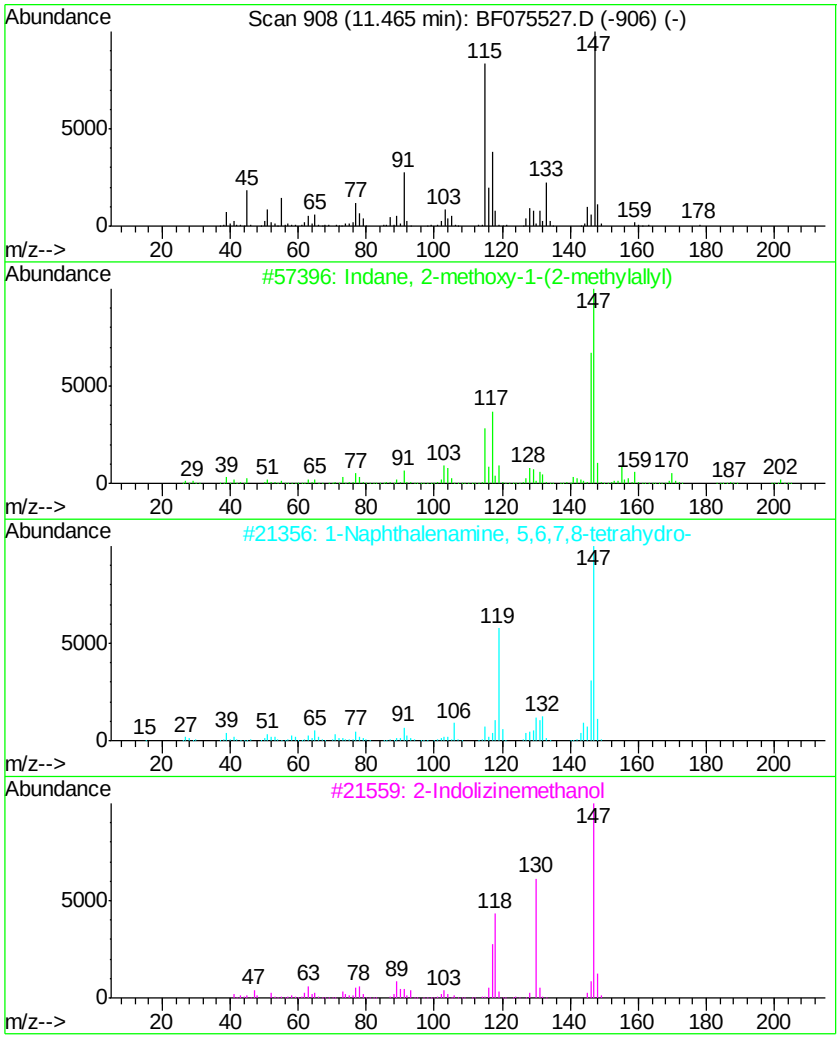
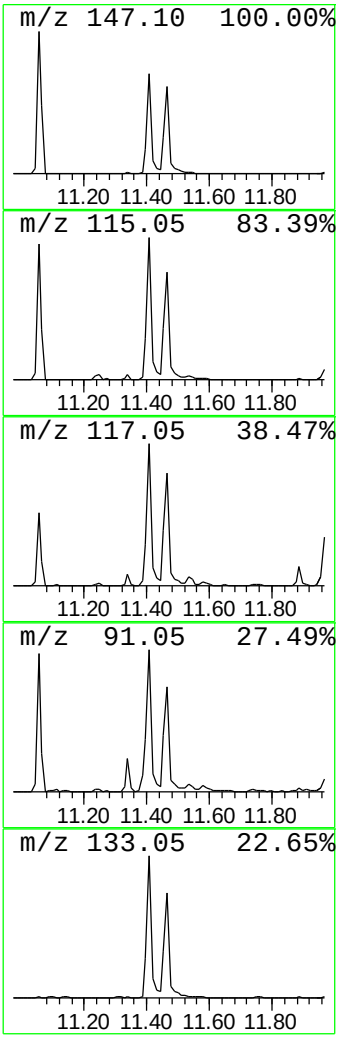
Peak Number 15 unknown11.47 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.47 | 67.84 ng | 1563610 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane, 2-methoxy-1-(2-methylallyl) | 202 | C14H18O | 1000196-88-9 | 37 |
| 2 | 1-Naphthalenamine, 5,6,7,8-tetra... | 147 | C10H13N | 002217-41-6 | 22 |
| 3 | 2-Indolizinemethanol | 147 | C9H9NO | 022320-21-4 | 22 |
| 4 | Benzoic acid, 2,4,6-trimethyl-, ... | 282 | C19H22O2 | 001504-38-7 | 22 |
| 5 | 2H-Indol-2-one, 1,3-dihydro-1-me... | 147 | C9H9NO | 000061-70-1 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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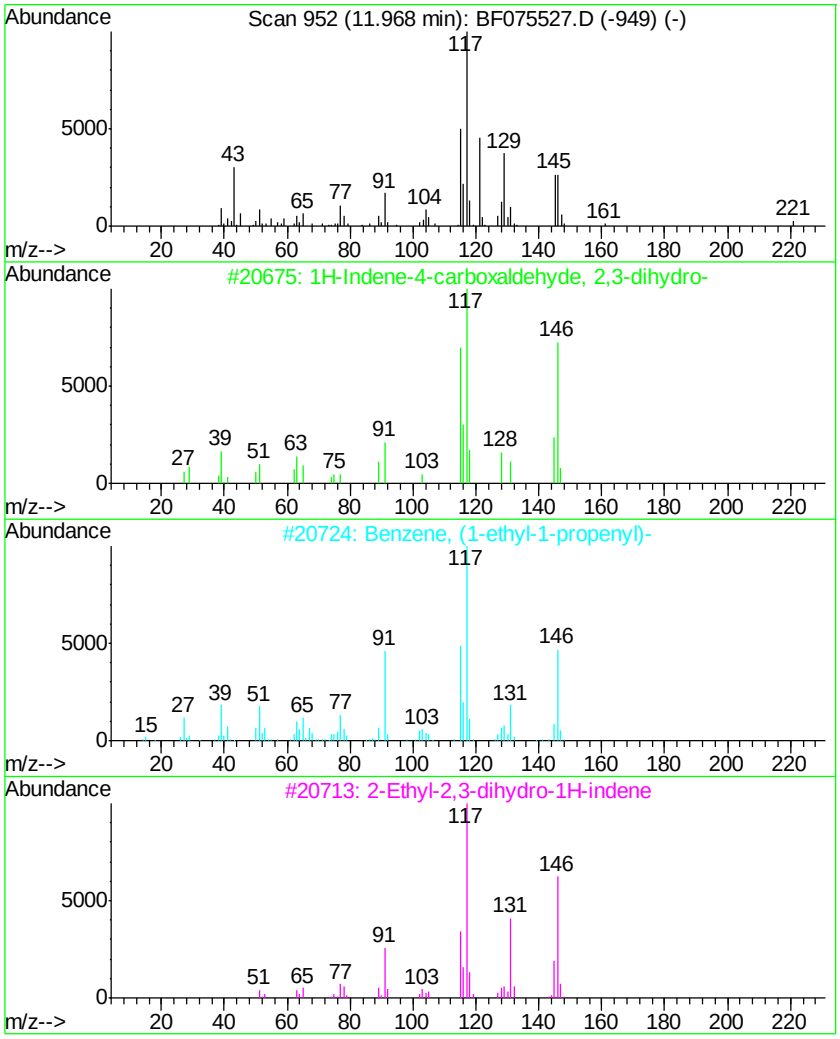
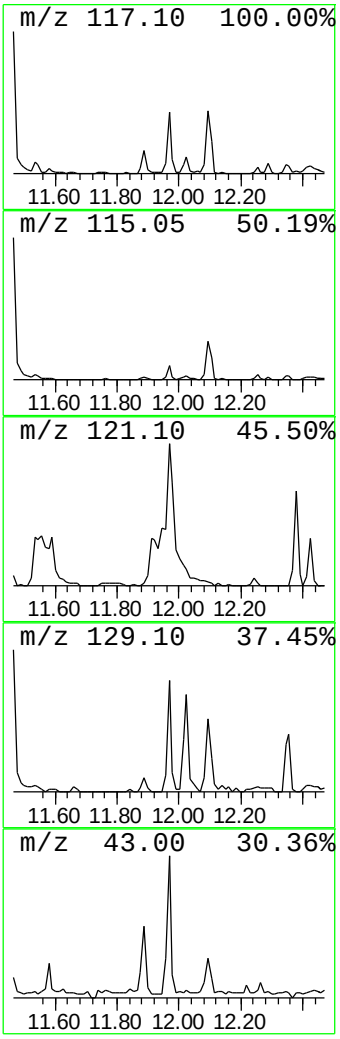
Peak Number 16 1H-Indene-4-carboxaldehyde,... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.97 | 11.15 ng | 256960 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 72 |
| 2 | Benzene, (1-ethyl-1-propenyl)- | 146 | C11H14 | 004701-36-4 | 64 |
| 3 | 2-Ethyl-2,3-dihydro-1H-indene | 146 | C11H14 | 056147-63-8 | 59 |
| 4 | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14 | 019947-22-9 | 50 |
| 5 | Benzene, 1-pentenyl- | 146 | C11H14 | 000826-18-6 | 50 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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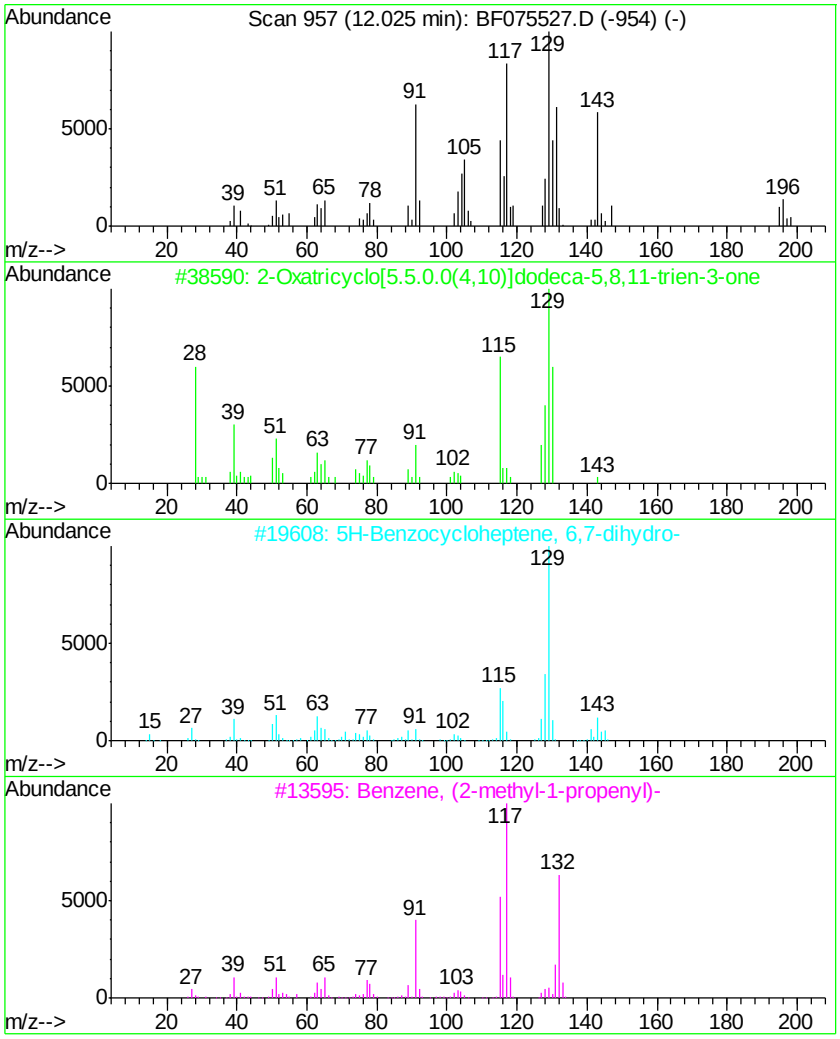
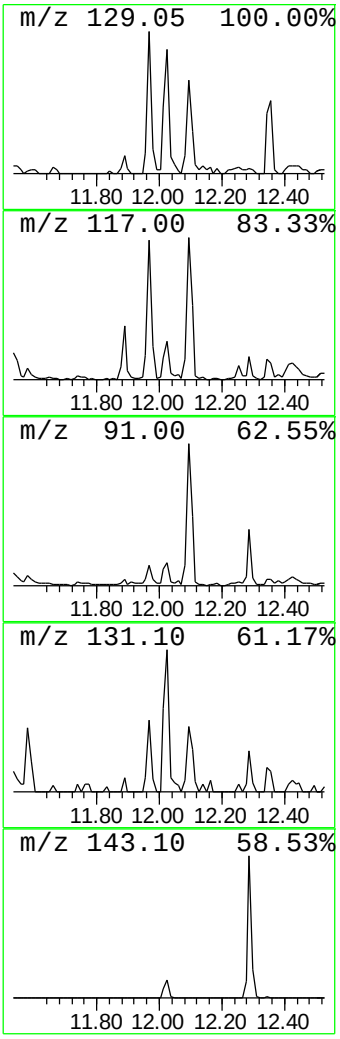
Peak Number 17 unknown12.03 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.03 | 7.80 ng | 179806 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Oxatricyclo[5.5.0.0(4,10)]dode... | 174 | C11H10O2 | 056909-26-3 | 30 |
| 2 | 5H-Benzocycloheptene, 6,7-dihydro- | 144 | C11H12 | 007125-62-4 | 25 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 25 |
| 4 | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14 | 079209-36-2 | 22 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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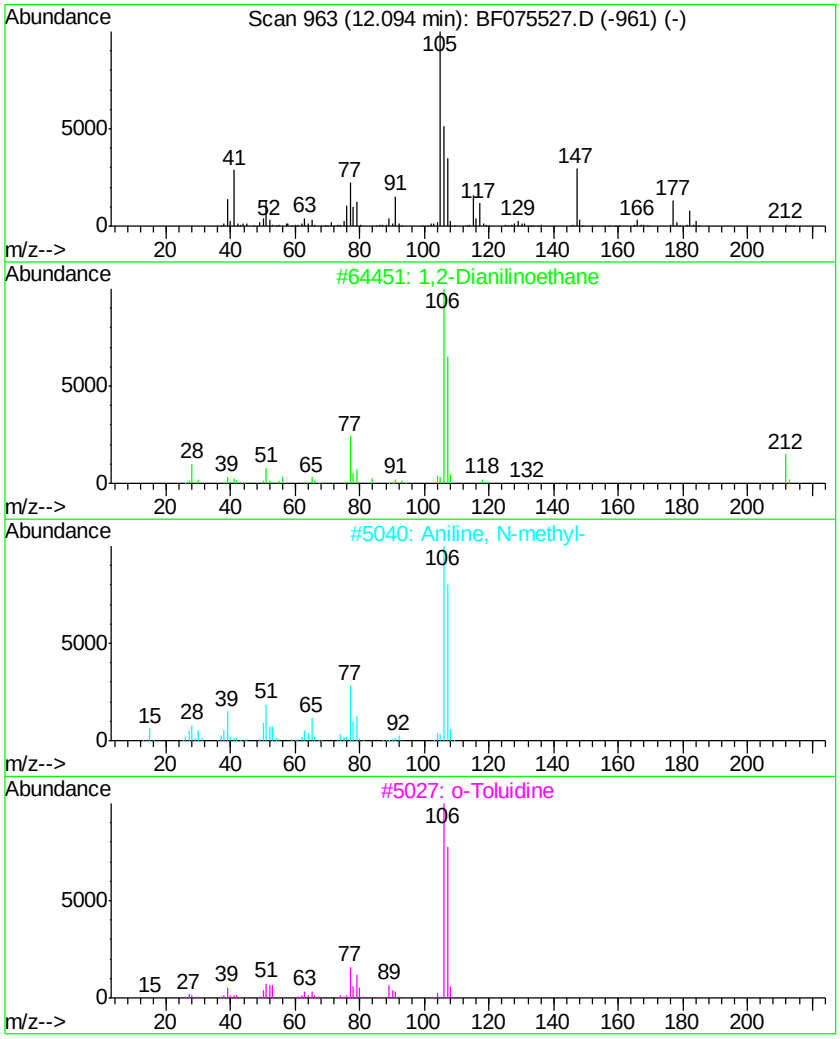
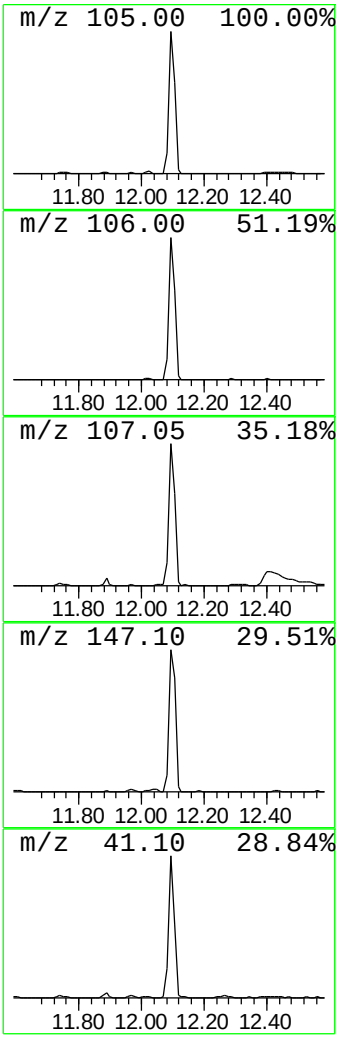
Peak Number 18 unknown12.09 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.09 | 93.75 ng | 2160760 | Acenaphthene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Dianilinoethane | 212 | C14H16N2 | 000150-61-8 | 45 |
| 2 | Aniline, N-methyl- | 107 | C7H9N | 000100-61-8 | 43 |
| 3 | o-Toluidine | 107 | C7H9N | 000095-53-4 | 43 |
| 4 | 3-Hydroxy-2-methylthio-3-phenylp... | 212 | C10H12O3S | 070760-18-8 | 38 |
| 5 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 38 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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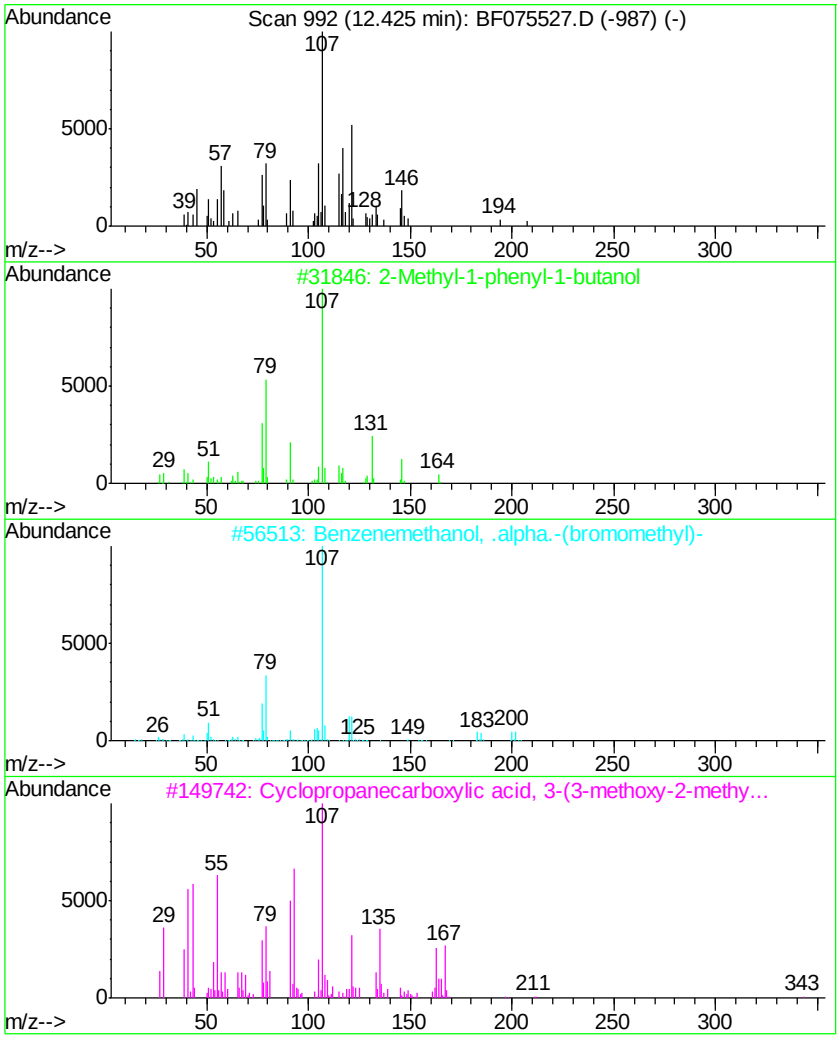
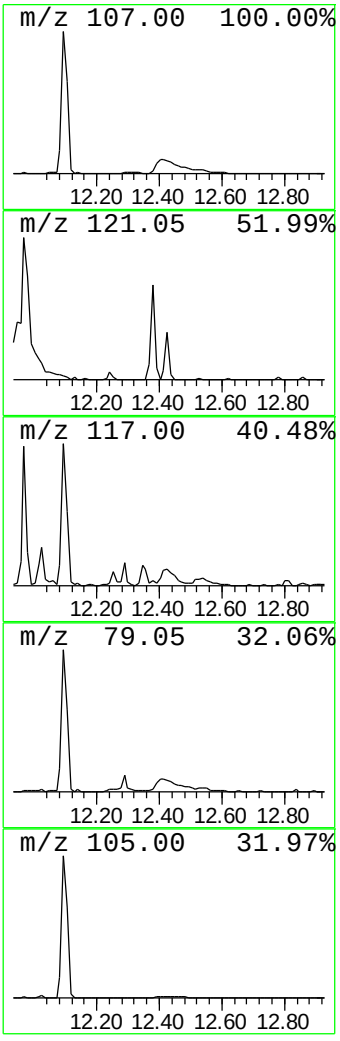
Peak Number 19 unknown12.43 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.43 | 15.42 ng | 345353 | Phenanthrene-d10 | 13.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-1-phenyl-1-butanol | 164 | C11H16O | 003968-86-3 | 38 |
| 2 | Benzenemethanol, .alpha.-(bromom... | 200 | C8H9BrO | 002425-28-7 | 35 |
| 3 | Cyclopropanecarboxylic acid, 3-(... | 374 | C22H30O5 | 001172-63-0 | 35 |
| 4 | 1,3-Cyclohexadiene-1-carboxylic ... | 194 | C12H18O2 | 035044-59-8 | 35 |
| 5 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

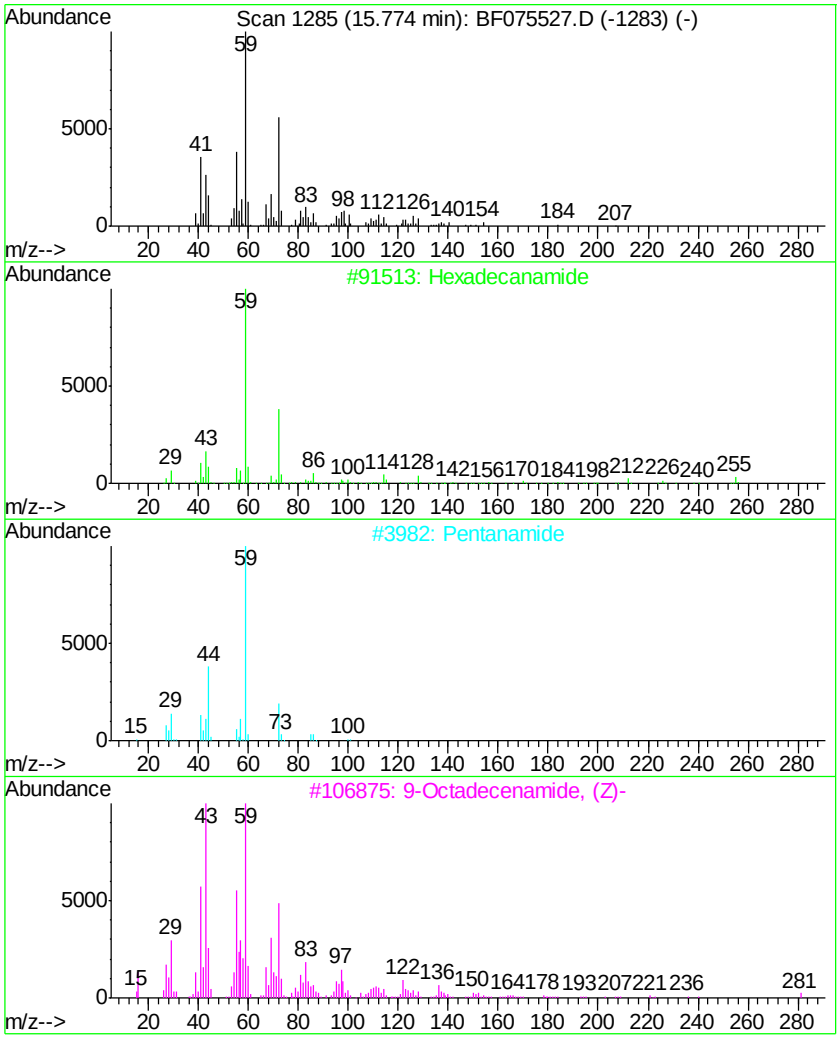
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

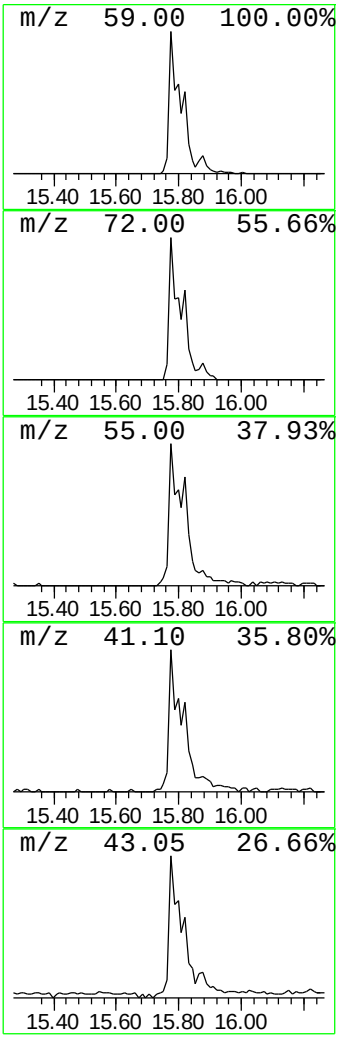
**********

Peak Number 20 Hexadecanamide Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.77 | 18.52 ng | 455285 | Chrysene-d12 | 16.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 59 |
| 2 | Pentanamide | 101 | C5H11NO | 000626-97-1 | 59 |
| 3 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 56 |
| 4 | Nonanamide | 157 | C9H19NO | 001120-07-6 | 53 |
| 5 | 1,7-Octanediol, 3,7-dimethyl- | 174 | C10H22O2 | 000107-74-4 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075527.D
Acq On : 15 Nov 2014 8:18
Operator : TP / JJ
Sample : F4737-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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 |
| 2-Pentanone, 4-hy... | 5.34 | 13.1 | ng | 187924 | 1 | 7.54 | 286988 | 20.0 |
| unknown7.26 | 7.26 | 102.5 | ng | 1470720 | 1 | 7.54 | 286988 | 20.0 |
| Cycloheptanemethanol | 9.34 | 7.6 | ng | 147355 | 2 | 9.13 | 389189 | 20.0 |
| 9-Methoxybicyclo[... | 9.70 | 22.1 | ng | 430639 | 2 | 9.13 | 389189 | 20.0 |
| Benzenepropanal | 10.01 | 8.5 | ng | 164569 | 2 | 9.13 | 389189 | 20.0 |
| unknown10.28 | 10.28 | 21.5 | ng | 495858 | 3 | 11.31 | 460979 | 20.0 |
| unknown10.70 | 10.70 | 123.3 | ng | 2841380 | 3 | 11.31 | 460979 | 20.0 |
| Benzofuran, 4,7-d... | 10.75 | 27.5 | ng | 634347 | 3 | 11.31 | 460979 | 20.0 |
| unknown11.05 | 11.05 | 72.0 | ng | 1660150 | 3 | 11.31 | 460979 | 20.0 |
| unknown11.41 | 11.41 | 90.0 | ng | 2073160 | 3 | 11.31 | 460979 | 20.0 |
| unknown11.47 | 11.47 | 67.8 | ng | 1563610 | 3 | 11.31 | 460979 | 20.0 |
| 1H-Indene-4-carbo... | 11.97 | 11.2 | ng | 256960 | 3 | 11.31 | 460979 | 20.0 |
| unknown12.03 | 12.03 | 7.8 | ng | 179806 | 3 | 11.31 | 460979 | 20.0 |
| unknown12.09 | 12.09 | 93.8 | ng | 2160760 | 3 | 11.31 | 460979 | 20.0 |
| unknown12.43 | 12.43 | 15.4 | ng | 345353 | 4 | 13.16 | 447969 | 20.0 |
| Hexadecanamide | 15.77 | 18.5 | ng | 455285 | 5 | 16.45 | 491539 | 20.0 |