LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

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-BF060716.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 | 1.667 | 6 | 7 | 15 | rVB | 80348 | 125272 | 6.35% | 0.637% |
| 2 | 1.781 | 15 | 17 | 23 | rVV | 664340 | 938421 | 47.55% | 4.772% |
| 3 | 1.873 | 23 | 25 | 38 | rVB | 59830 | 158222 | 8.02% | 0.805% |
| 4 | 4.844 | 283 | 285 | 295 | rBV | 79413 | 112509 | 5.70% | 0.572% |
| 5 | 5.290 | 321 | 324 | 326 | rBV | 1671863 | 1892730 | 95.90% | 9.625% |
| 6 | 6.342 | 413 | 416 | 419 | rBV2 | 1405147 | 1904866 | 96.52% | 9.687% |
| 7 | 6.456 | 424 | 426 | 429 | rBV | 1731183 | 1714187 | 86.86% | 8.717% |
| 8 | 6.684 | 444 | 446 | 449 | rBV | 625286 | 515006 | 26.09% | 2.619% |
| 9 | 6.845 | 457 | 460 | 462 | rBV | 1736201 | 1647231 | 83.46% | 8.377% |
| 10 | 7.256 | 493 | 496 | 498 | rBV | 1082154 | 1027980 | 52.09% | 5.228% |
| 11 | 7.382 | 501 | 507 | 513 | rVV2 | 32657 | 62434 | 3.16% | 0.318% |
| 12 | 7.896 | 550 | 552 | 554 | rBV | 21654 | 29452 | 1.49% | 0.150% |
| 13 | 7.976 | 556 | 559 | 561 | rBV | 546643 | 620888 | 31.46% | 3.157% |
| 14 | 9.050 | 650 | 653 | 655 | rBV | 2174873 | 1973599 | 100.00% | 10.037% |
| 15 | 9.450 | 686 | 688 | 690 | rBV | 750986 | 630432 | 31.94% | 3.206% |
| 16 | 9.553 | 695 | 697 | 700 | rBV2 | 13199 | 25249 | 1.28% | 0.128% |
| 17 | 9.668 | 705 | 707 | 709 | rBV | 54309 | 47997 | 2.43% | 0.244% |
| 18 | 9.725 | 709 | 712 | 714 | rBV | 583520 | 600980 | 30.45% | 3.056% |
| 19 | 9.896 | 723 | 727 | 728 | rBV | 13963 | 22369 | 1.13% | 0.114% |
| 20 | 10.136 | 745 | 748 | 749 | rBV | 17670 | 21220 | 1.08% | 0.108% |
| 21 | 10.159 | 749 | 750 | 752 | rVB | 92010 | 78159 | 3.96% | 0.397% |
| 22 | 10.376 | 766 | 769 | 772 | rBV | 33976 | 58236 | 2.95% | 0.296% |
| 23 | 10.513 | 778 | 781 | 783 | rBV | 774534 | 900454 | 45.62% | 4.579% |
| 24 | 10.548 | 783 | 784 | 788 | rVV2 | 17140 | 28341 | 1.44% | 0.144% |
| 25 | 10.628 | 790 | 791 | 796 | rVV | 80446 | 136436 | 6.91% | 0.694% |
| 26 | 10.719 | 798 | 799 | 806 | rVB4 | 10165 | 24903 | 1.26% | 0.127% |
| 27 | 10.822 | 806 | 808 | 813 | rBV3 | 20849 | 43223 | 2.19% | 0.220% |
| 28 | 11.016 | 822 | 825 | 827 | rVB | 20347 | 22477 | 1.14% | 0.114% |
| 29 | 11.085 | 829 | 831 | 832 | rBV | 36844 | 57208 | 2.90% | 0.291% |
| 30 | 11.199 | 839 | 841 | 842 | rBV | 629738 | 521881 | 26.44% | 2.654% |
| 31 | 11.268 | 845 | 847 | 850 | rVB2 | 15351 | 28297 | 1.43% | 0.144% |
| 32 | 11.451 | 859 | 863 | 865 | rBV2 | 33749 | 59620 | 3.02% | 0.303% |
| 33 | 11.508 | 865 | 868 | 869 | rVV | 31633 | 32107 | 1.63% | 0.163% |
| 34 | 11.542 | 869 | 871 | 872 | rVV | 22669 | 23432 | 1.19% | 0.119% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.576 | 872 | 874 | 875 | rVB2 | 16839 | 21789 | 1.10% | 0.111% |
| 36 | 11.668 | 879 | 882 | 883 | rBV | 13340 | 21195 | 1.07% | 0.108% |
| 37 | 11.702 | 883 | 885 | 886 | rBV | 19099 | 21503 | 1.09% | 0.109% |
| 38 | 11.736 | 886 | 888 | 892 | rVB3 | 26560 | 47988 | 2.43% | 0.244% |
| 39 | 12.125 | 921 | 922 | 925 | rBV3 | 20946 | 36786 | 1.86% | 0.187% |
| 40 | 12.194 | 925 | 928 | 931 | rBV4 | 23225 | 52952 | 2.68% | 0.269% |
| 41 | 12.251 | 931 | 933 | 934 | rBV | 38150 | 41863 | 2.12% | 0.213% |
| 42 | 12.331 | 939 | 940 | 942 | rBV | 15750 | 26124 | 1.32% | 0.133% |
| 43 | 12.411 | 945 | 947 | 948 | rBV | 75537 | 74958 | 3.80% | 0.381% |
| 44 | 12.639 | 964 | 967 | 968 | rBV2 | 57011 | 75925 | 3.85% | 0.386% |
| 45 | 12.674 | 968 | 970 | 971 | rVV2 | 22926 | 34904 | 1.77% | 0.178% |
| 46 | 12.788 | 977 | 980 | 982 | rBV | 1540431 | 1667508 | 84.49% | 8.480% |
| 47 | 13.017 | 998 | 1000 | 1002 | rBV | 36666 | 56816 | 2.88% | 0.289% |
| 48 | 13.702 | 1057 | 1060 | 1062 | rVB3 | 84102 | 154213 | 7.81% | 0.784% |
| 49 | 13.828 | 1069 | 1071 | 1074 | rBV | 437889 | 524055 | 26.55% | 2.665% |
| 50 | 15.222 | 1191 | 1193 | 1197 | rVB | 249755 | 374759 | 18.99% | 1.906% |
| 51 | 15.817 | 1243 | 1245 | 1252 | rVB2 | 153201 | 344885 | 17.47% | 1.754% |

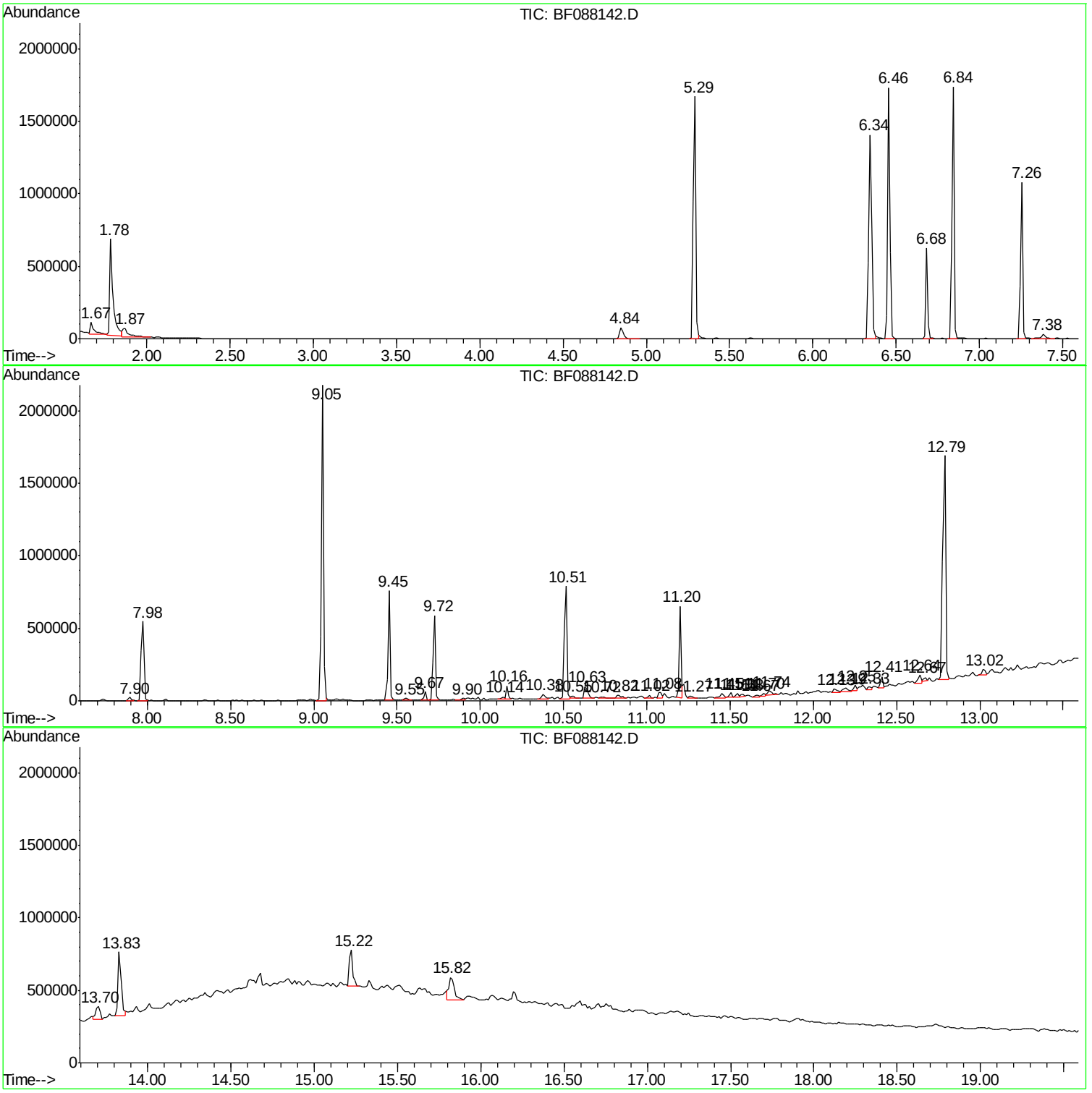
Sum of corrected areas: 19664041

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

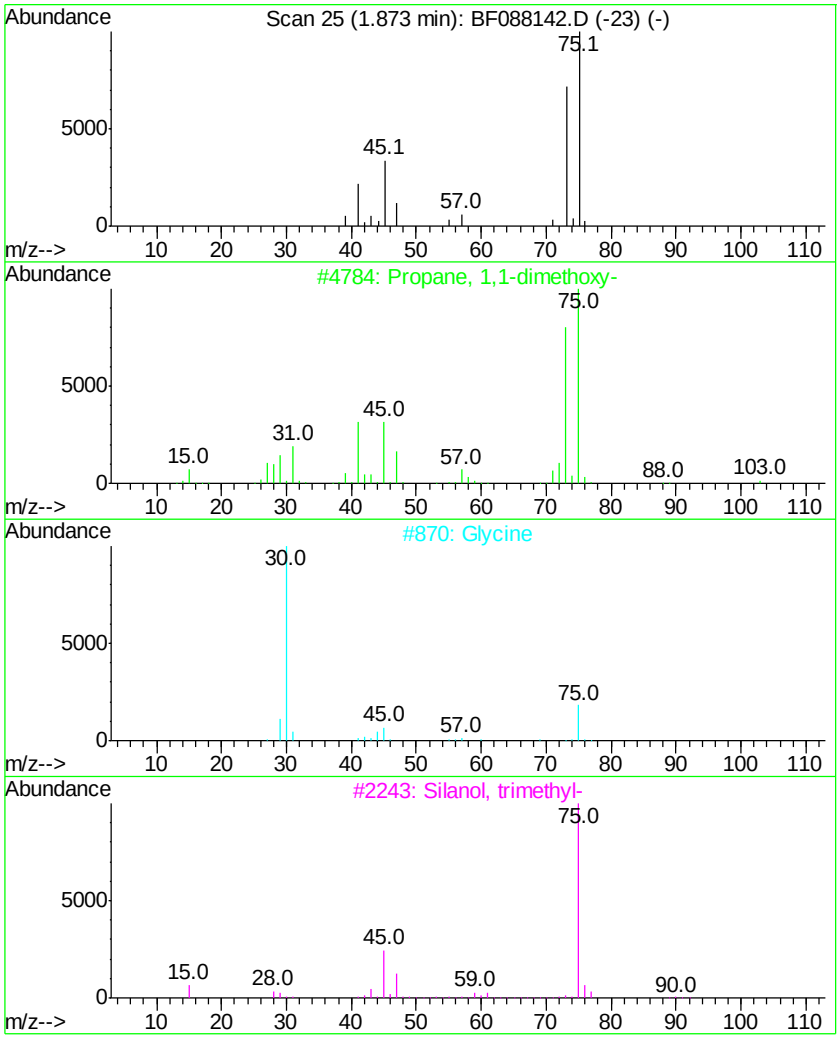
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

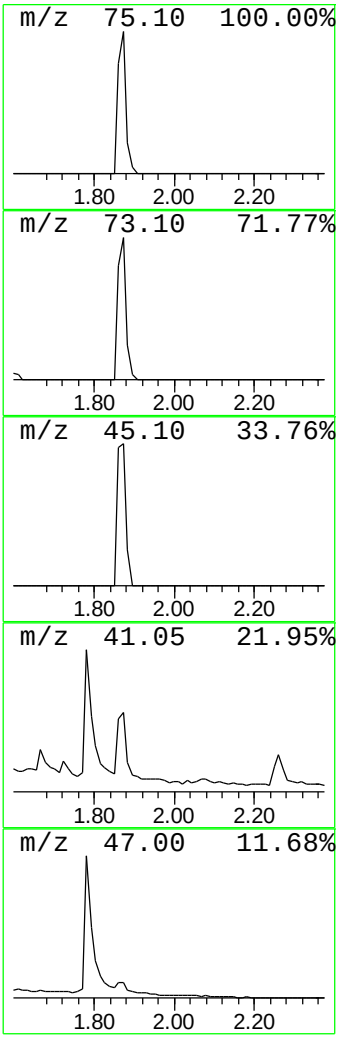
**********

Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.87 | 6.14 ng | 158222 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 74 |
| 2 | Glycine | 75 | C2H5NO2 | 000056-40-6 | 9 |
| 3 | Silanol, trimethyl- | 90 | C3H10OSi | 001066-40-6 | 9 |
| 4 | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 9 |
| 5 | Glycolaldehyde dimethyl acetal | 106 | C4H10O3 | 030934-97-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

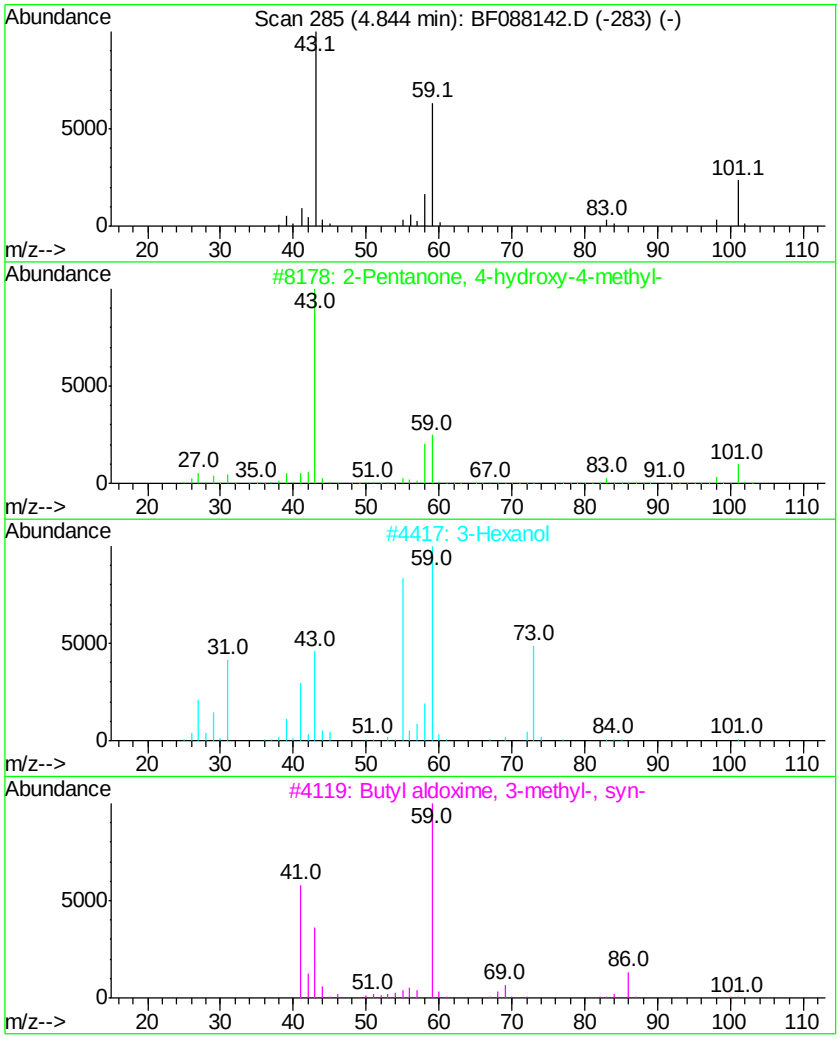
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

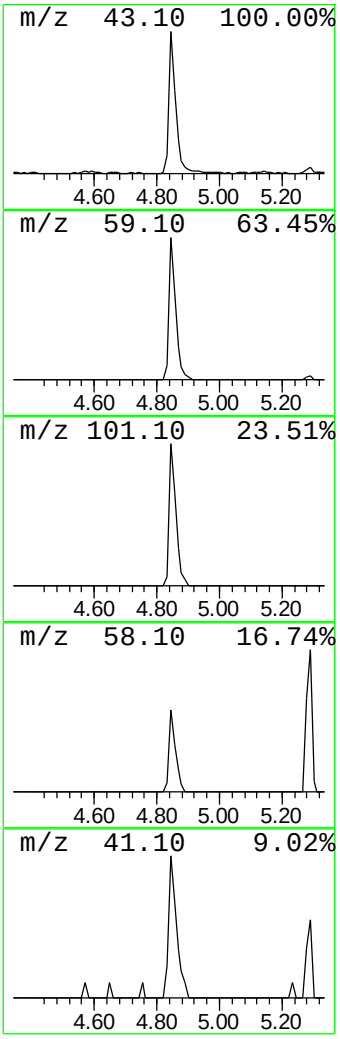
**********

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.84 | 4.37 ng | 112509 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 28 |
| 3 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 25 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

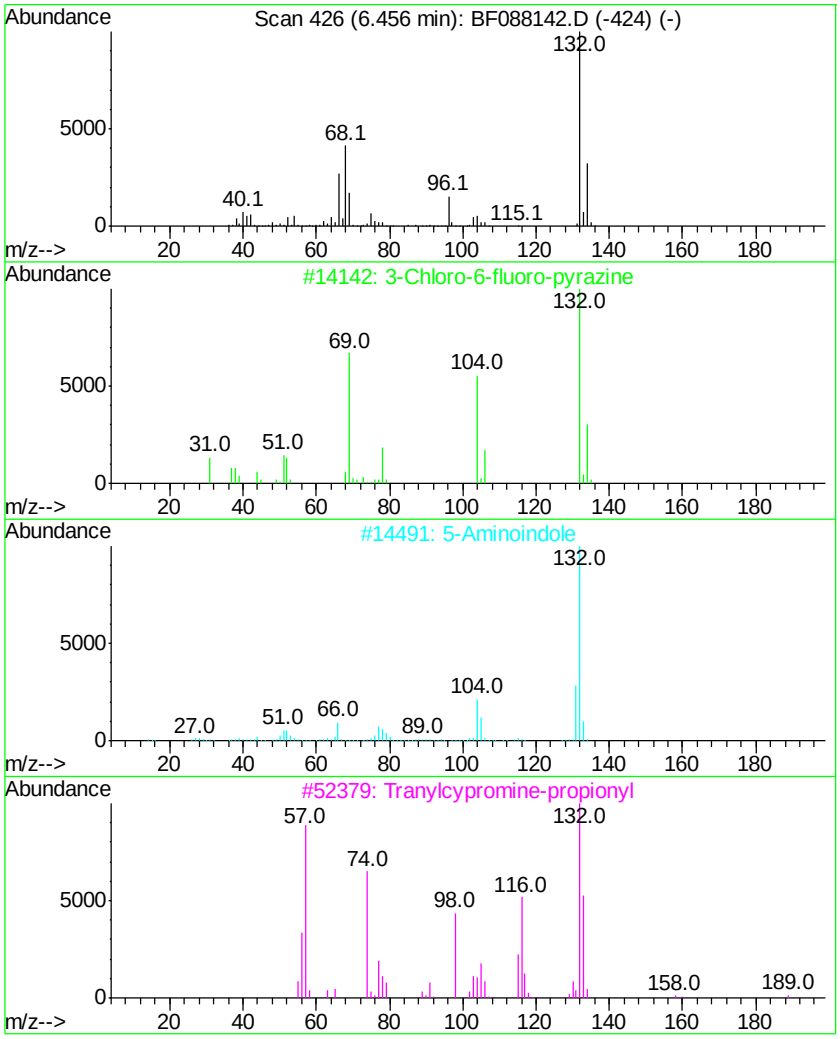
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

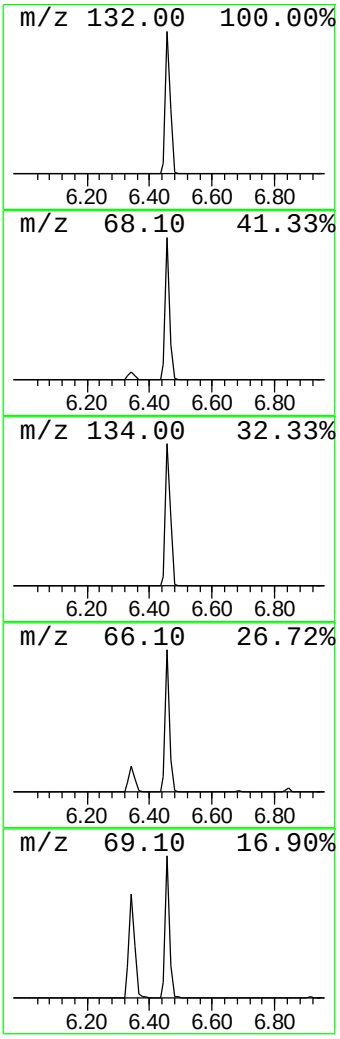
**********

Peak Number 5 unknown6.46 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.46 | 66.57 ng | 1714190 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

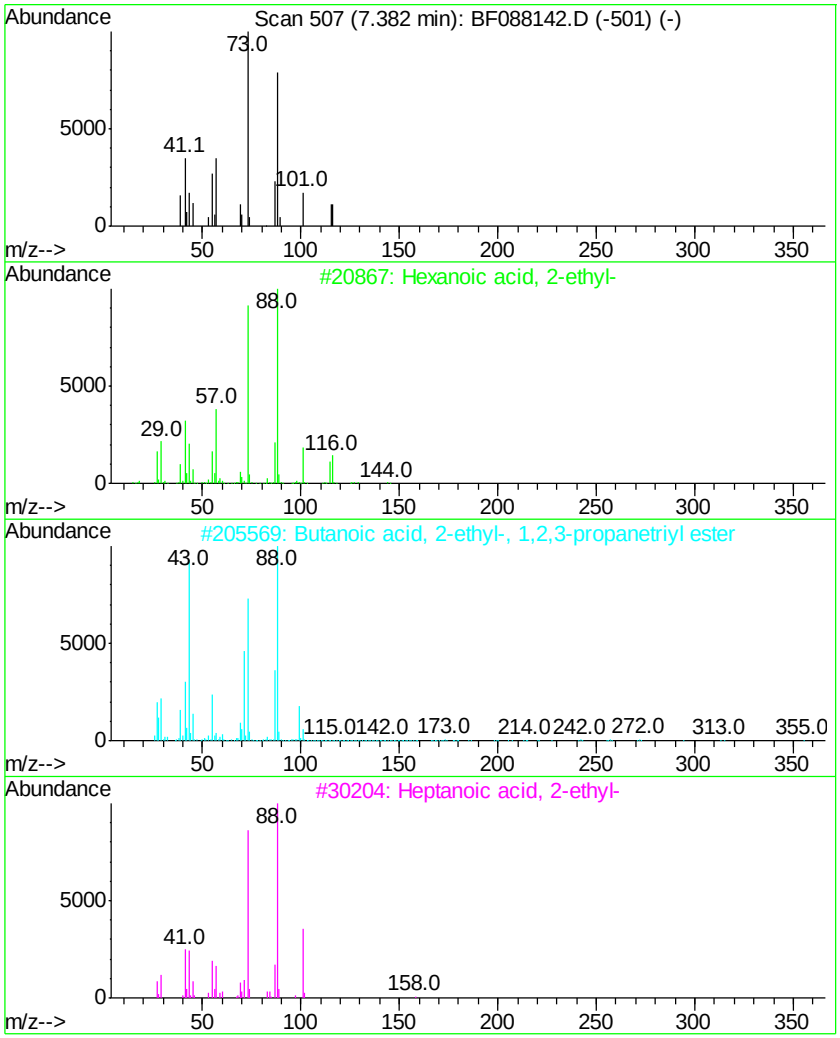
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

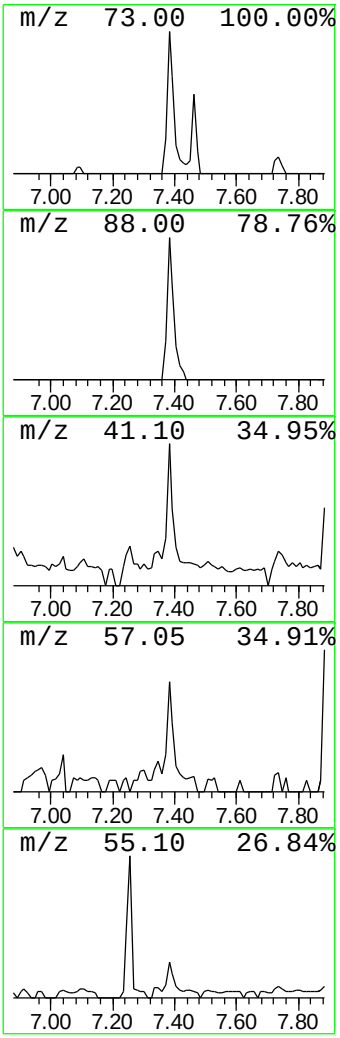
**********

Peak Number 7 Hexanoic acid, 2-ethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.38 | 2.01 ng | 62434 | Naphthalene-d8 | 7.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 78 |
| 2 | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 59 |
| 3 | Heptanoic acid, 2-ethyl- | 158 | C9H18O2 | 003274-29-1 | 42 |
| 4 | Hydrazine, 1,2-diethyl- | 88 | C4H12N2 | 001615-80-1 | 40 |
| 5 | Pentanoic acid, 2-methyl-, methy... | 130 | C7H14O2 | 002177-77-7 | 40 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

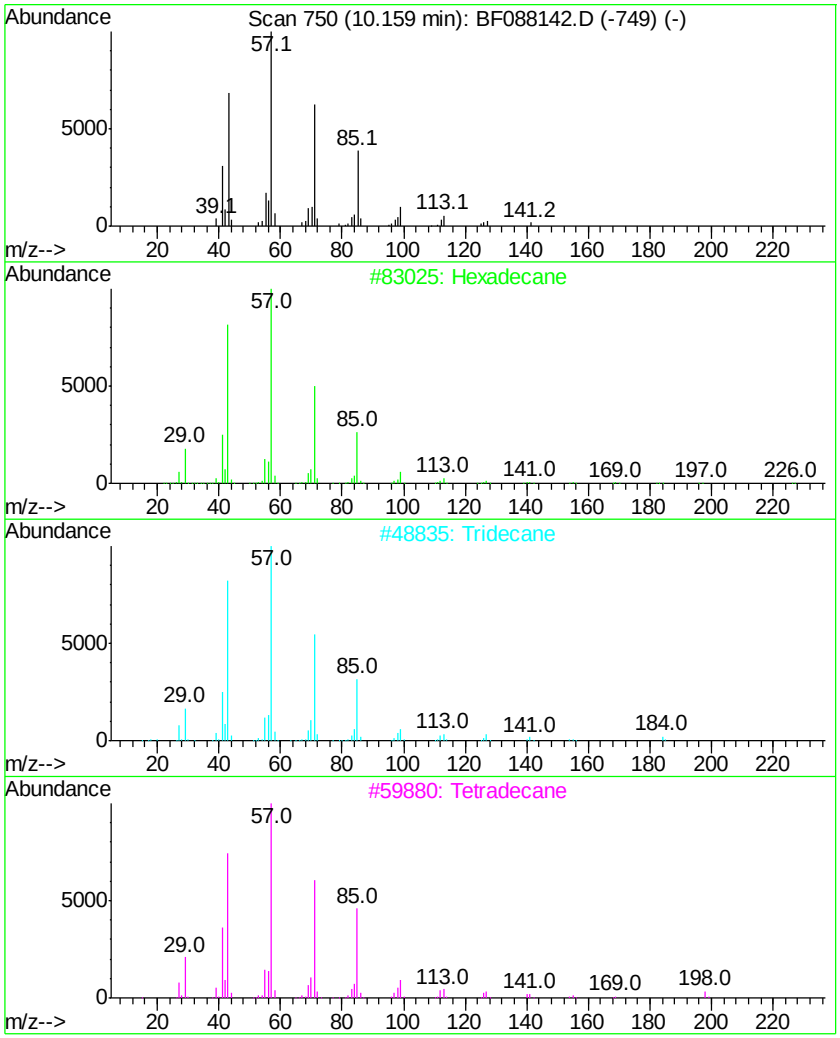
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

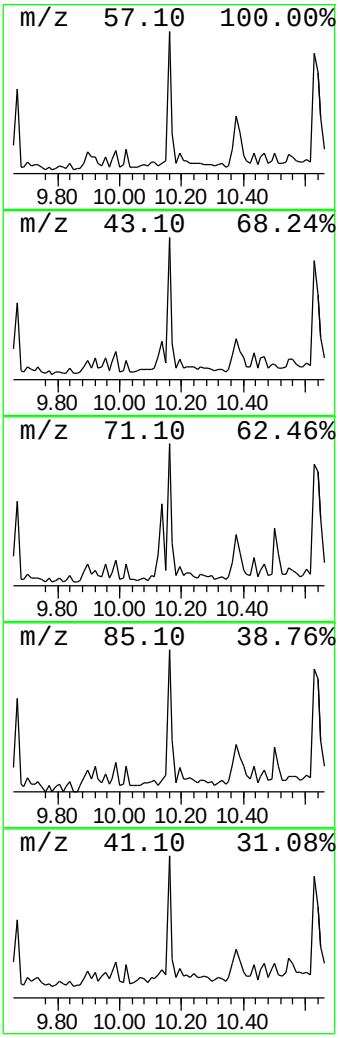
**********

Peak Number 8 Hexadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.16 | 2.60 ng | 78159 | Acenaphthene-d10 | 9.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

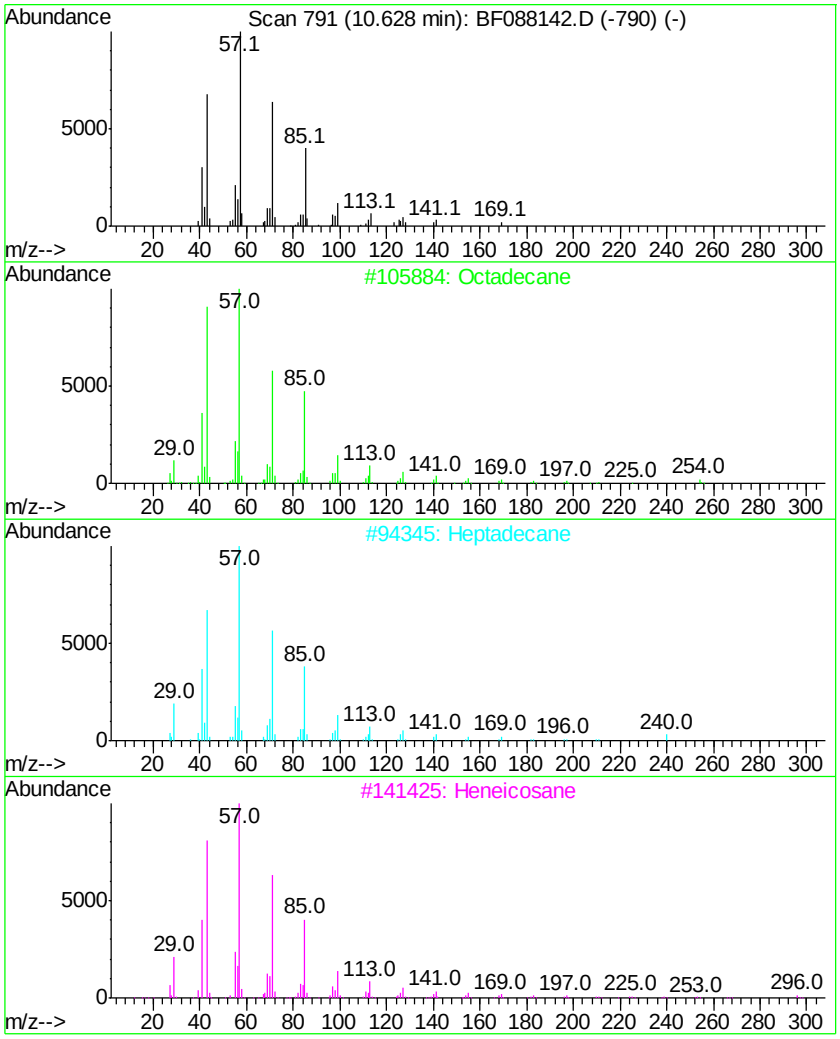
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

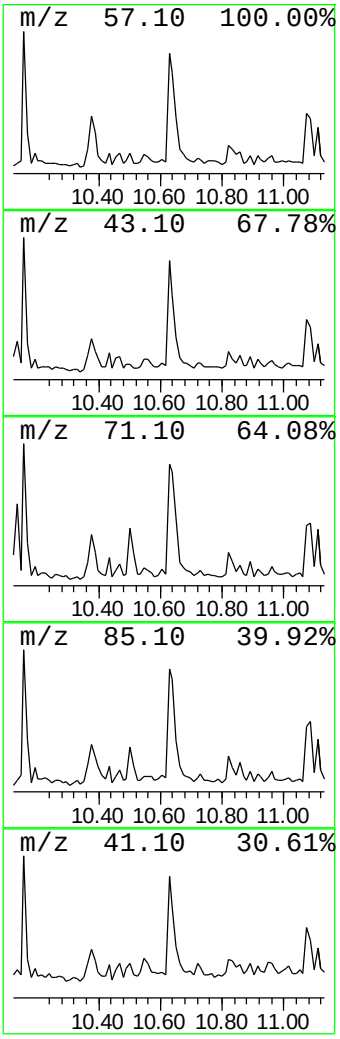
**********

Peak Number 9 Octadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.63 | 5.23 ng | 136436 | Phenanthrene-d10 | 11.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

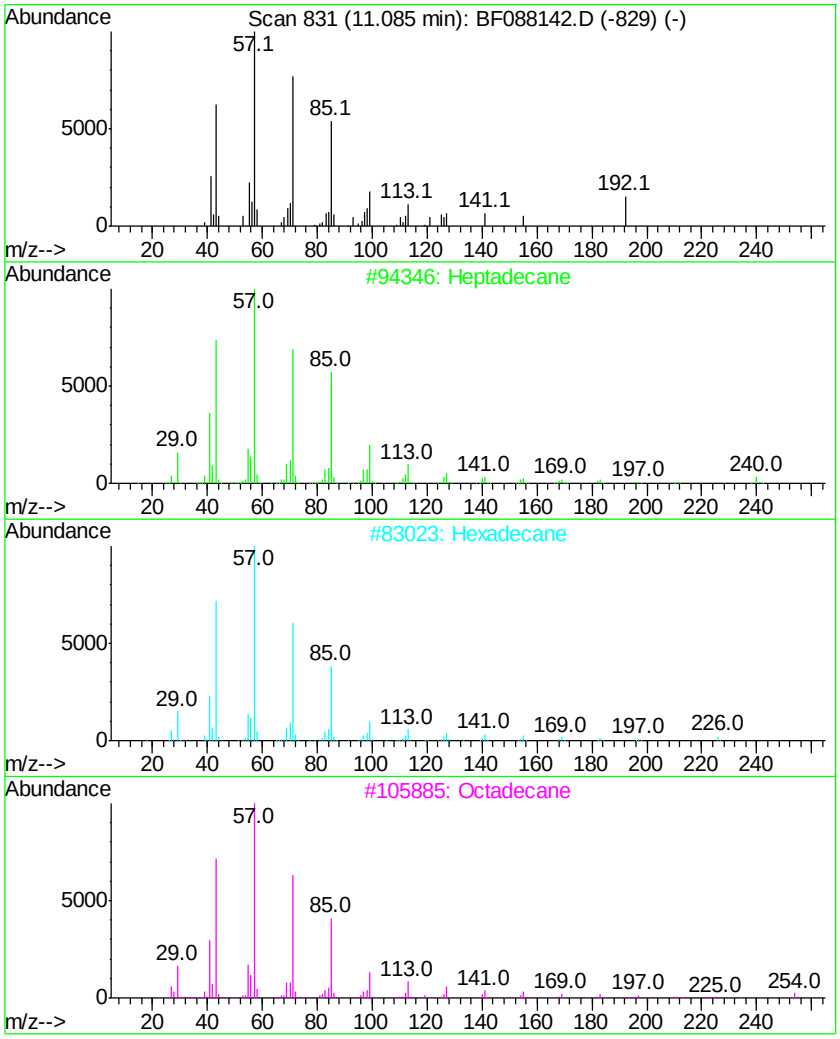
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

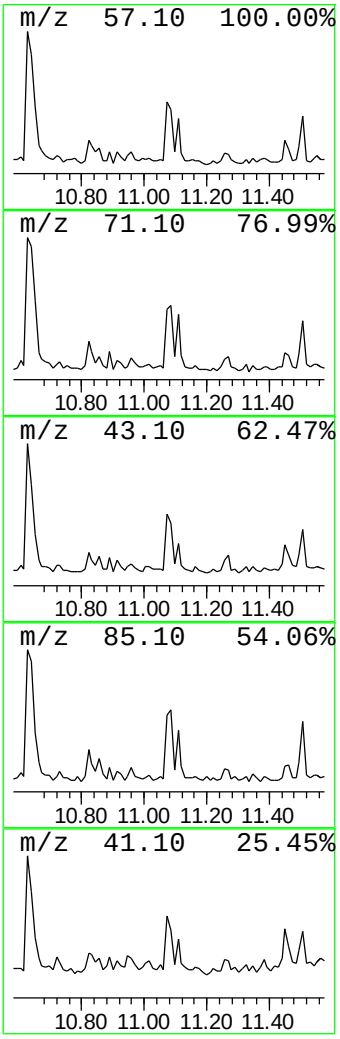
**********

Peak Number 10 Heptadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.08 | 2.19 ng | 57208 | Phenanthrene-d10 | 11.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 83 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 78 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

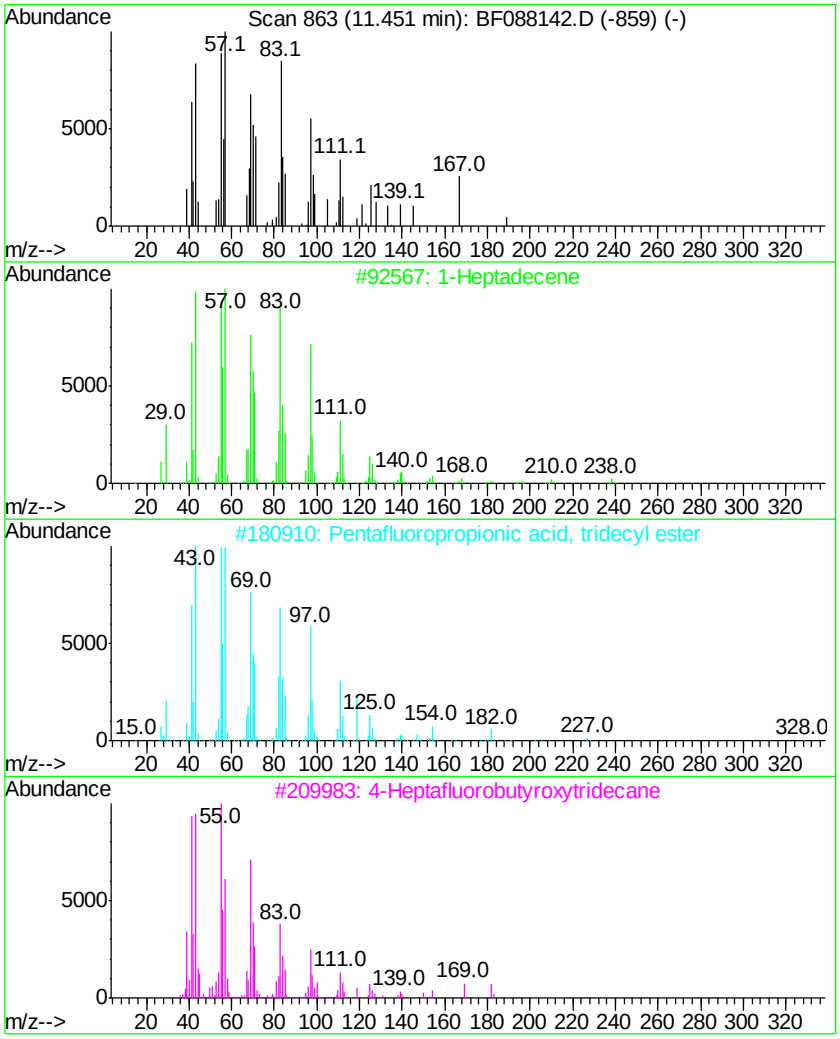
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

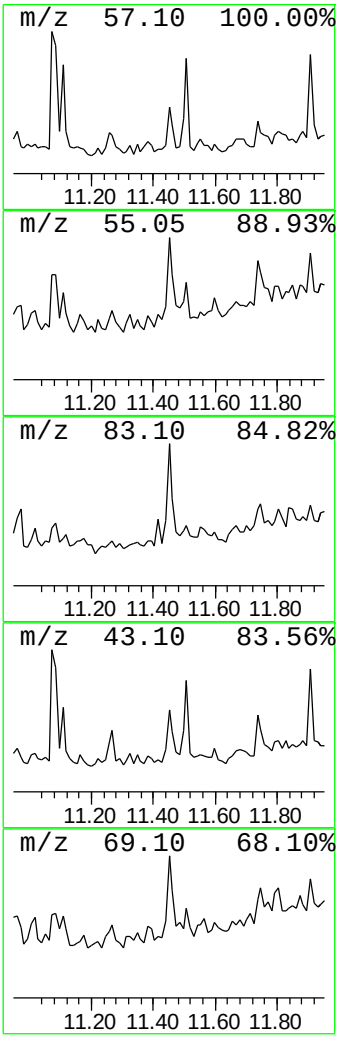
**********

Peak Number 11 1-Heptadecene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.45 | 2.28 ng | 59620 | Phenanthrene-d10 | 11.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 90 |
| 2 | Pentafluoropropionic acid, tride... | 346 | C16H27F5O2 | 959261-22-4 | 90 |
| 3 | 4-Heptafluorobutyroxytridecane | 396 | C17H27F7O2 | 1000245-49-6 | 90 |
| 4 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 87 |
| 5 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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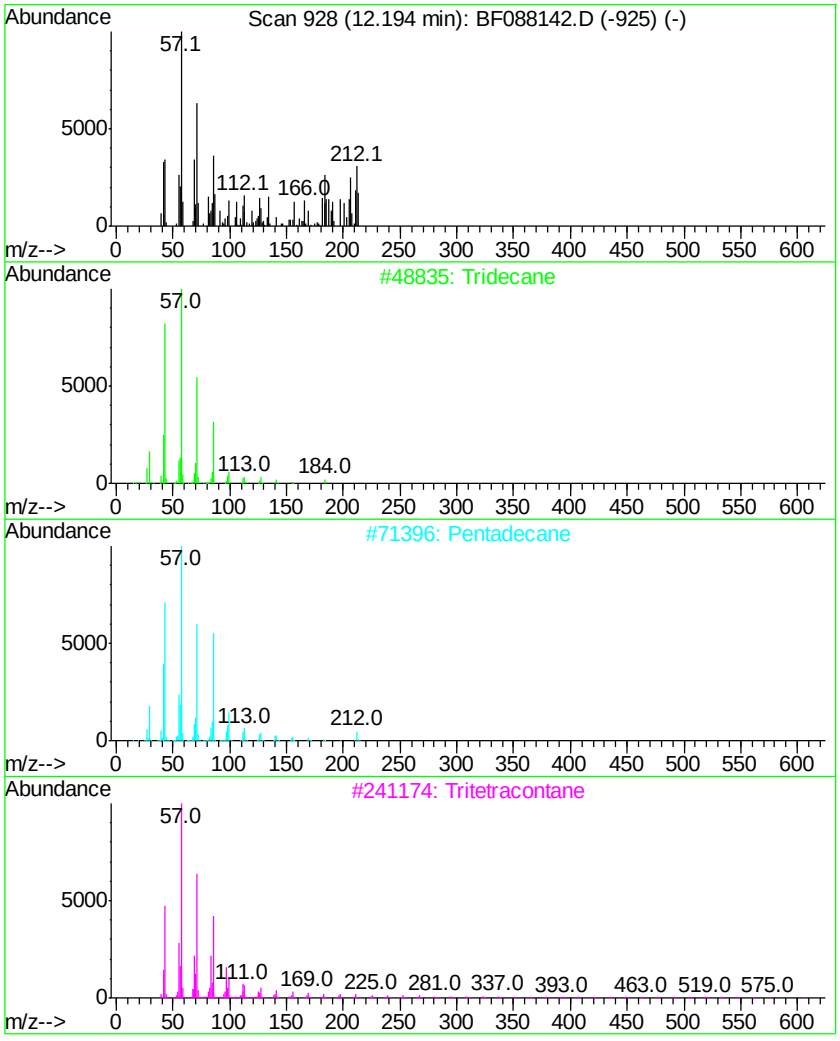
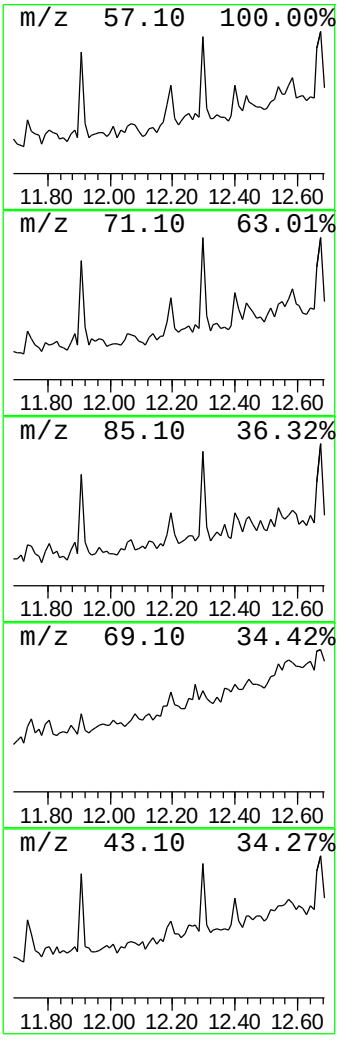
Peak Number 12 unknown12.19 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.19 | 2.03 ng | 52952 | Phenanthrene-d10 | 11.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 42 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 38 |
| 3 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 25 |
| 4 | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 25 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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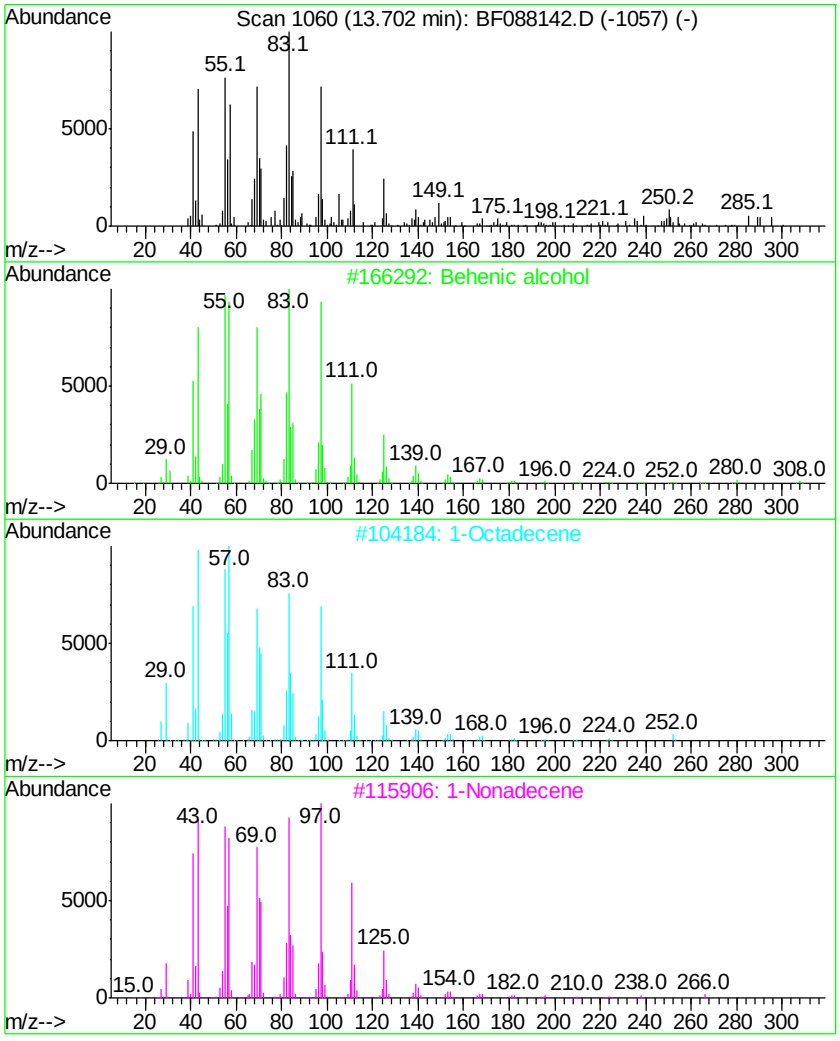
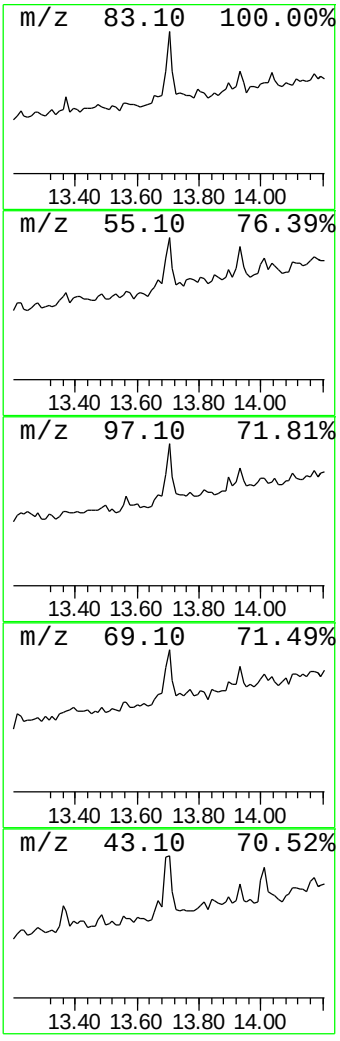
Peak Number 15 Behenic alcohol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.70 | 5.89 ng | 154213 | Chrysene-d12 | 13.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 2 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 91 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 90 |
| 4 | E-15-Heptadecenal | 252 | C17H32O | 1000130-97-9 | 90 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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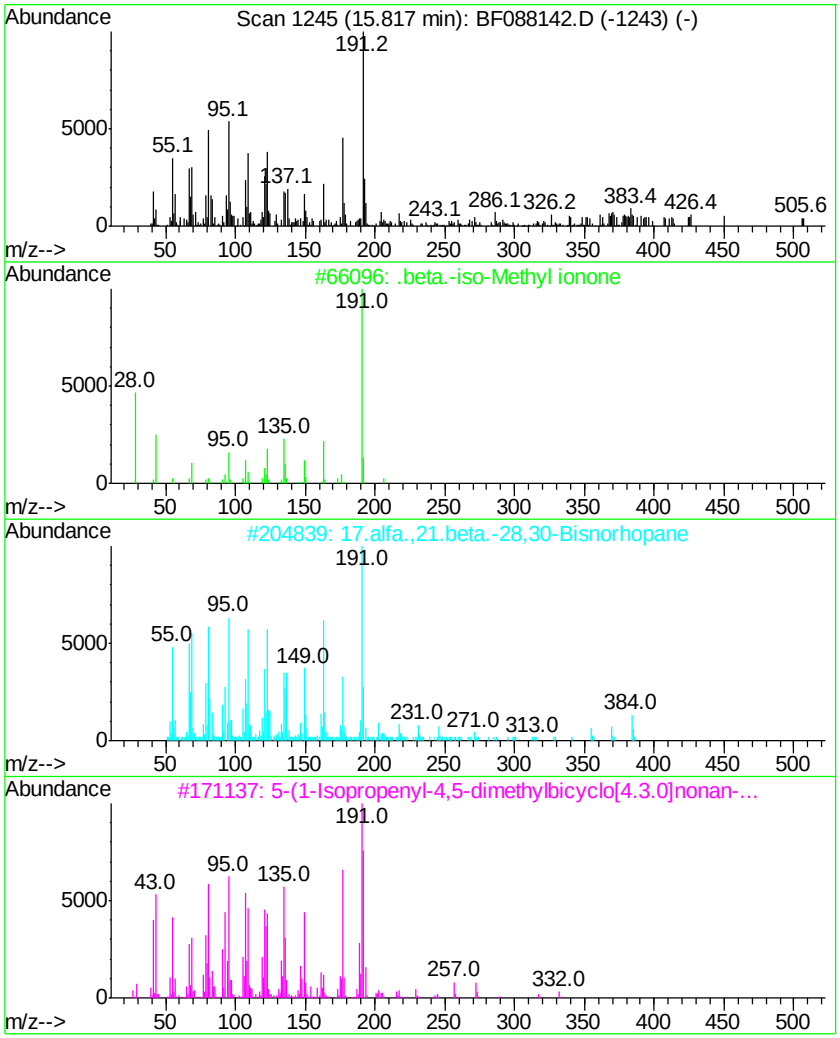
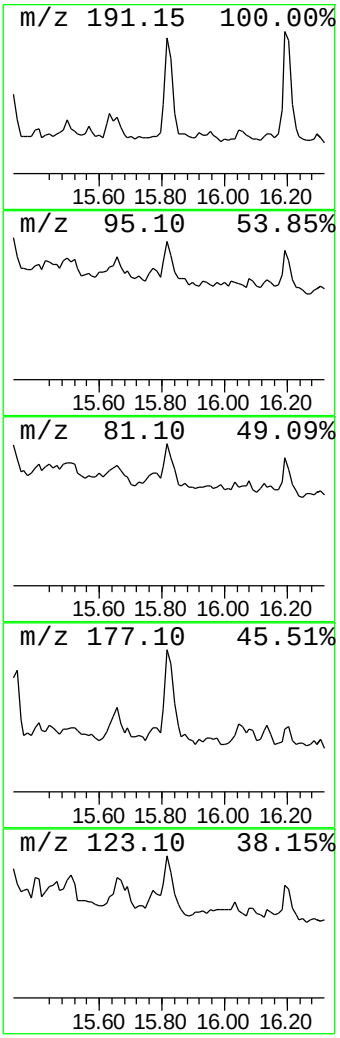
Peak Number 16 .beta.-iso-Methyl ionone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.82 | 18.41 ng | 344885 | Perylene-d12 | 15.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-iso-Methyl ionone | 206 | C14H22O | 1000285-40-2 | 60 |
| 2 | 17.alfa.,21.beta.-28,30-Bisnorho... | 384 | C28H48 | 1000360-26-1 | 46 |
| 3 | 5-(1-Isopropenyl-4,5-dimethylbic... | 332 | C22H36O2 | 1000195-69-8 | 41 |
| 4 | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 35 |
| 5 | 3-Fluoro-4-trifluoromethylbenzoi... | 352 | C14H6Cl2F4O2 | 1000357-94-6 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
Data File : BF088142.D
Acq On : 18 Jun 2016 19:06
Operator : UM/SJ
Sample : H3580-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P8-B3(0-5)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Propane, 1,1-dime... | 1.87 | 6.1 | ng | 158222 | 1 | 6.68 | 515006 | 20.0 |
| 2-Pentanone, 4-hy... | 4.84 | 4.4 | ng | 112509 | 1 | 6.68 | 515006 | 20.0 |
| unknown6.46 | 6.46 | 66.6 | ng | 1714190 | 1 | 6.68 | 515006 | 20.0 |
| Hexanoic acid, 2-... | 7.38 | 2.0 | ng | 62434 | 2 | 7.98 | 620888 | 20.0 |
| Hexadecane | 10.16 | 2.6 | ng | 78159 | 3 | 9.72 | 600980 | 20.0 |
| Octadecane | 10.63 | 5.2 | ng | 136436 | 4 | 11.20 | 521881 | 20.0 |
| Heptadecane | 11.08 | 2.2 | ng | 57208 | 4 | 11.20 | 521881 | 20.0 |
| 1-Heptadecene | 11.45 | 2.3 | ng | 59620 | 4 | 11.20 | 521881 | 20.0 |
| unknown12.19 | 12.19 | 2.0 | ng | 52952 | 4 | 11.20 | 521881 | 20.0 |
| Behenic alcohol | 13.70 | 5.9 | ng | 154213 | 5 | 13.83 | 524055 | 20.0 |
| .beta.-iso-Methyl... | 15.82 | 18.4 | ng | 344885 | 6 | 15.22 | 374759 | 20.0 |