LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

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-BF092815.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 | 2.331 | 15 | 17 | 24 | rVB2 | 13346 | 30841 | 2.04% | 0.206% |
| 2 | 5.063 | 254 | 256 | 265 | rBV | 467835 | 640321 | 42.39% | 4.284% |
| 3 | 5.486 | 290 | 293 | 295 | rBV | 1460096 | 1430335 | 94.69% | 9.570% |
| 4 | 5.806 | 319 | 321 | 326 | rVB4 | 11770 | 16932 | 1.12% | 0.113% |
| 5 | 6.320 | 363 | 366 | 368 | rBV | 12454 | 18774 | 1.24% | 0.126% |
| 6 | 6.514 | 381 | 383 | 386 | rBV | 1021692 | 1285263 | 85.09% | 8.600% |
| 7 | 6.652 | 393 | 395 | 398 | rBV | 1576794 | 1424476 | 94.30% | 9.531% |
| 8 | 6.709 | 398 | 400 | 402 | rVV | 18748 | 22886 | 1.52% | 0.153% |
| 9 | 6.754 | 402 | 404 | 407 | rVB | 14832 | 18003 | 1.19% | 0.120% |
| 10 | 6.892 | 413 | 416 | 418 | rBV | 335554 | 436608 | 28.90% | 2.921% |
| 11 | 6.937 | 418 | 420 | 425 | rVB3 | 8267 | 16943 | 1.12% | 0.113% |
| 12 | 7.040 | 427 | 429 | 432 | rBV | 1310370 | 1182064 | 78.25% | 7.909% |
| 13 | 7.200 | 441 | 443 | 448 | rBV4 | 11182 | 22459 | 1.49% | 0.150% |
| 14 | 7.280 | 448 | 450 | 457 | rVB5 | 7299 | 17959 | 1.19% | 0.120% |
| 15 | 7.452 | 463 | 465 | 470 | rBV | 836862 | 792023 | 52.43% | 5.299% |
| 16 | 7.532 | 470 | 472 | 476 | rVB | 26258 | 31765 | 2.10% | 0.213% |
| 17 | 7.692 | 484 | 486 | 491 | rVB | 14094 | 23335 | 1.54% | 0.156% |
| 18 | 7.909 | 501 | 505 | 509 | rBV2 | 15416 | 35797 | 2.37% | 0.240% |
| 19 | 8.103 | 519 | 522 | 525 | rBV | 129512 | 124073 | 8.21% | 0.830% |
| 20 | 8.172 | 526 | 528 | 530 | rVB | 624824 | 514031 | 34.03% | 3.439% |
| 21 | 8.469 | 550 | 554 | 556 | rBV3 | 7213 | 17081 | 1.13% | 0.114% |
| 22 | 8.595 | 563 | 565 | 571 | rVB2 | 15509 | 34192 | 2.26% | 0.229% |
| 23 | 8.709 | 573 | 575 | 578 | rBV3 | 7135 | 17944 | 1.19% | 0.120% |
| 24 | 8.755 | 578 | 579 | 581 | rVB | 25927 | 29269 | 1.94% | 0.196% |
| 25 | 8.823 | 581 | 585 | 587 | rBV | 18959 | 23513 | 1.56% | 0.157% |
| 26 | 9.120 | 610 | 611 | 613 | rBV | 16157 | 15862 | 1.05% | 0.106% |
| 27 | 9.189 | 613 | 617 | 620 | rVV | 29934 | 36907 | 2.44% | 0.247% |
| 28 | 9.246 | 620 | 622 | 625 | rVV | 1274487 | 1510531 | 100.00% | 10.107% |
| 29 | 9.326 | 625 | 629 | 630 | rVV | 66181 | 78528 | 5.20% | 0.525% |
| 30 | 9.395 | 634 | 635 | 638 | rVB | 22811 | 23776 | 1.57% | 0.159% |
| 31 | 9.589 | 649 | 652 | 653 | rBV2 | 20576 | 22986 | 1.52% | 0.154% |
| 32 | 9.646 | 655 | 657 | 659 | rVV | 283717 | 235903 | 15.62% | 1.578% |
| 33 | 9.795 | 668 | 670 | 671 | rBV | 19257 | 22644 | 1.50% | 0.152% |
| 34 | 9.852 | 671 | 675 | 677 | rVB | 49795 | 68129 | 4.51% | 0.456% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

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-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.932 | 679 | 682 | 684 | rVB | 632867 | 562763 | 37.26% | 3.765% |
| 36 | 10.115 | 697 | 698 | 700 | rBV | 11996 | 15615 | 1.03% | 0.104% |
| 37 | 10.172 | 702 | 703 | 705 | rBV2 | 11972 | 15267 | 1.01% | 0.102% |
| 38 | 10.332 | 715 | 717 | 718 | rBV | 18328 | 20728 | 1.37% | 0.139% |
| 39 | 10.355 | 718 | 719 | 721 | rVB | 86249 | 64057 | 4.24% | 0.429% |
| 40 | 10.572 | 735 | 738 | 742 | rBV | 33119 | 54488 | 3.61% | 0.365% |
| 41 | 10.721 | 748 | 751 | 754 | rBV | 819178 | 758328 | 50.20% | 5.074% |
| 42 | 10.801 | 756 | 758 | 759 | rVV | 14402 | 19203 | 1.27% | 0.128% |
| 43 | 10.835 | 759 | 761 | 763 | rVV | 71701 | 109160 | 7.23% | 0.730% |
| 44 | 10.915 | 766 | 768 | 770 | rBV2 | 14636 | 21346 | 1.41% | 0.143% |
| 45 | 11.018 | 775 | 777 | 779 | rBV2 | 8577 | 16672 | 1.10% | 0.112% |
| 46 | 11.281 | 797 | 800 | 801 | rBV | 61541 | 64642 | 4.28% | 0.433% |
| 47 | 11.303 | 801 | 802 | 805 | rVB | 34541 | 38172 | 2.53% | 0.255% |
| 48 | 11.372 | 806 | 808 | 810 | rBV2 | 17031 | 19121 | 1.27% | 0.128% |
| 49 | 11.418 | 810 | 812 | 815 | rBV | 536275 | 502192 | 33.25% | 3.360% |
| 50 | 11.704 | 836 | 837 | 840 | rVB2 | 51704 | 51815 | 3.43% | 0.347% |
| 51 | 11.944 | 856 | 858 | 862 | rBV2 | 49550 | 69067 | 4.57% | 0.462% |
| 52 | 12.115 | 871 | 873 | 874 | rBV | 29001 | 25617 | 1.70% | 0.171% |
| 53 | 12.504 | 905 | 907 | 909 | rVB | 23737 | 23564 | 1.56% | 0.158% |
| 54 | 12.618 | 914 | 917 | 920 | rBV2 | 27039 | 51483 | 3.41% | 0.344% |
| 55 | 13.007 | 948 | 951 | 954 | rBV | 1454888 | 1382579 | 91.53% | 9.251% |
| 56 | 13.898 | 1028 | 1029 | 1033 | rBV | 82477 | 133266 | 8.82% | 0.892% |
| 57 | 14.058 | 1041 | 1043 | 1046 | rBV | 325123 | 403176 | 26.69% | 2.698% |
| 58 | 15.521 | 1169 | 1171 | 1174 | rVB | 224476 | 301214 | 19.94% | 2.015% |

Sum of corrected areas: 14945688

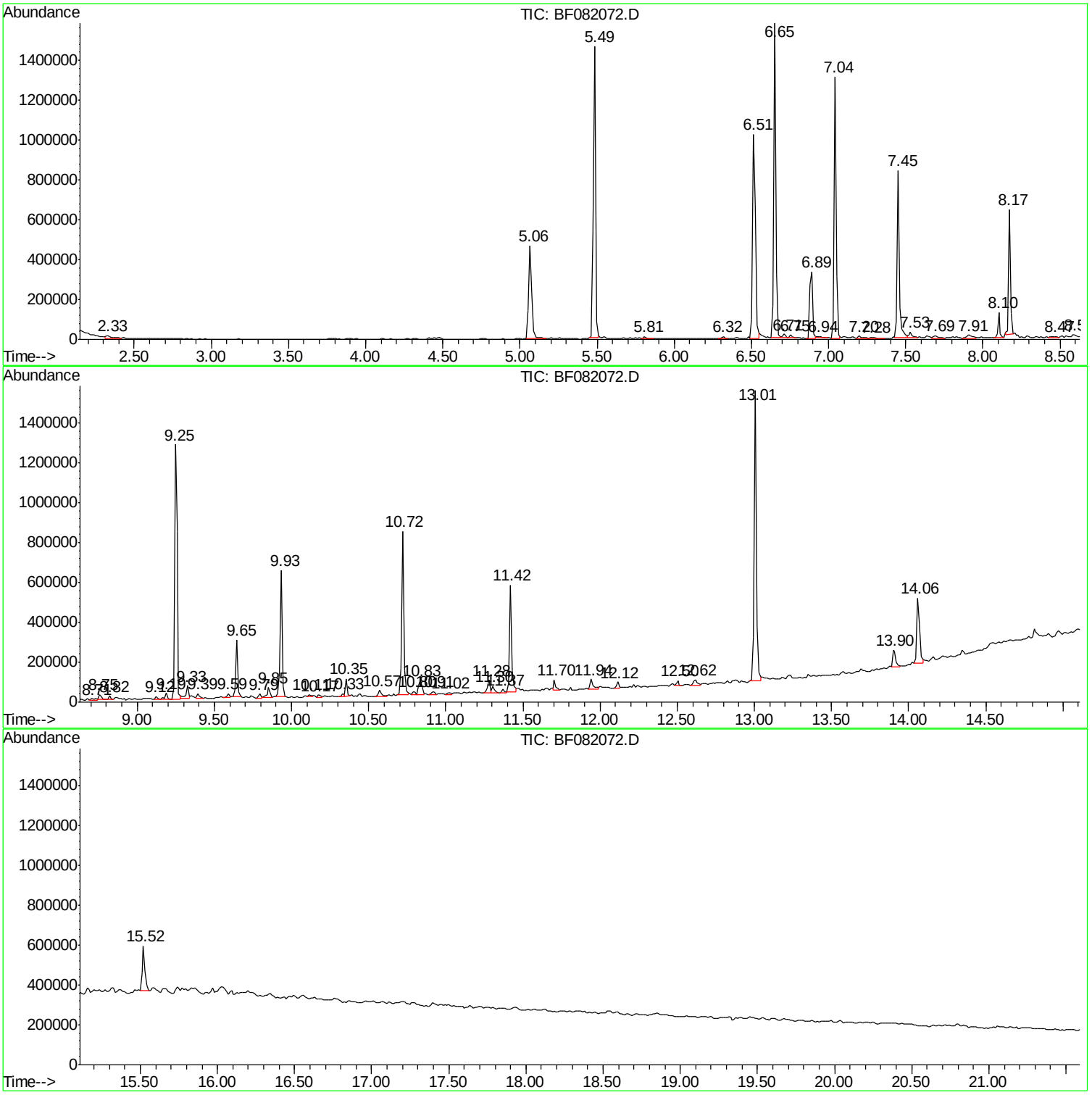
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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 F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

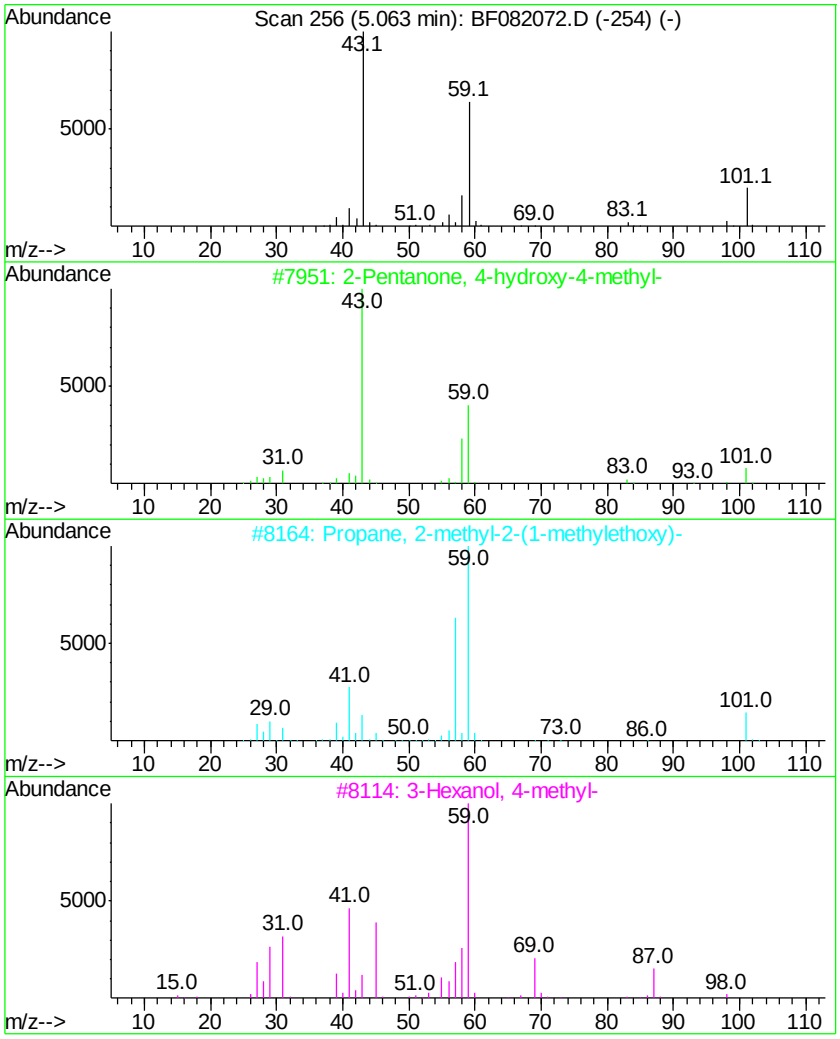
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

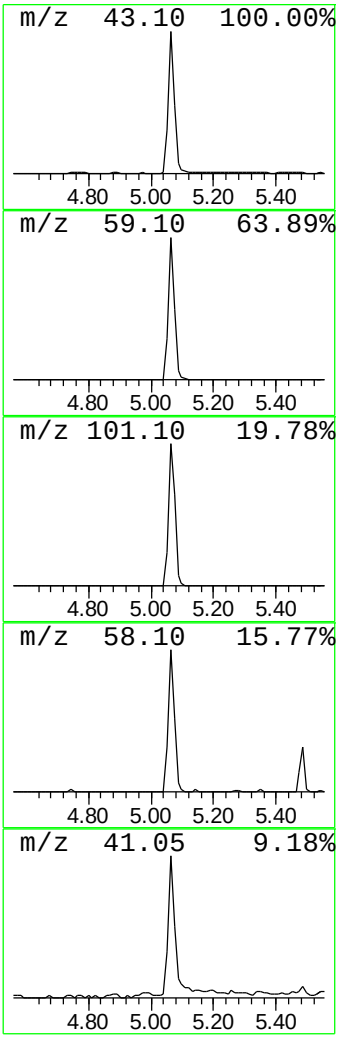
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 29.33 ng | 640321 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

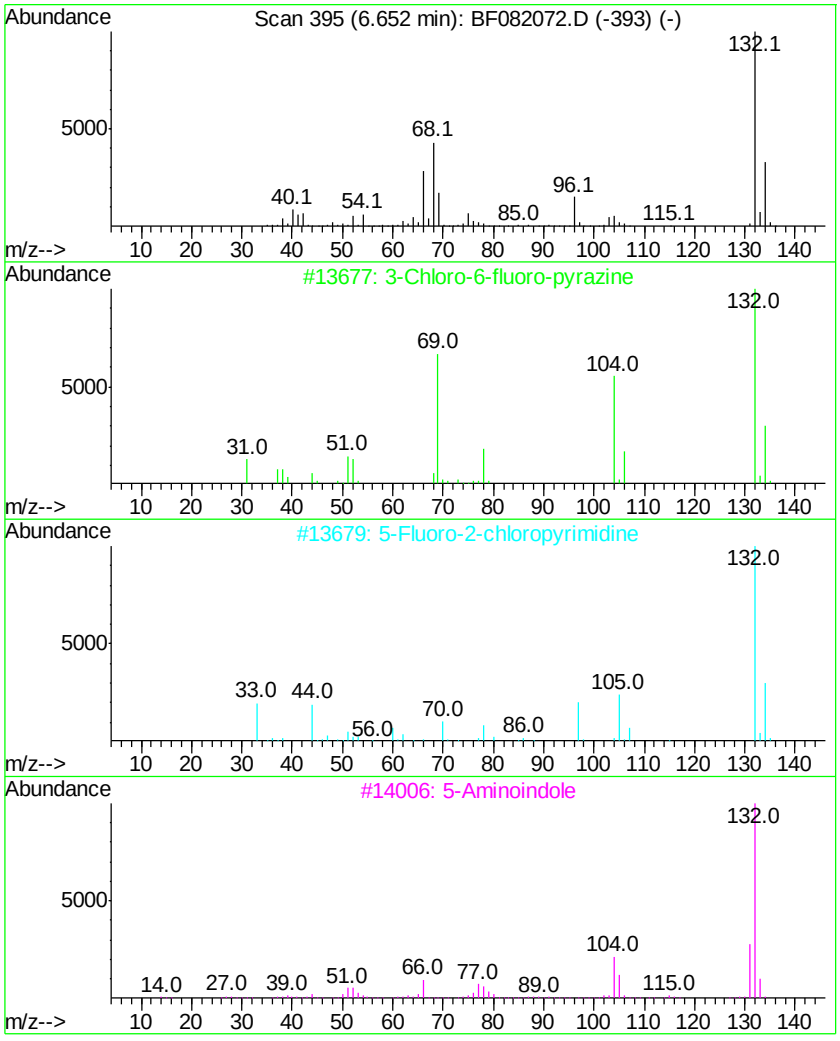
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

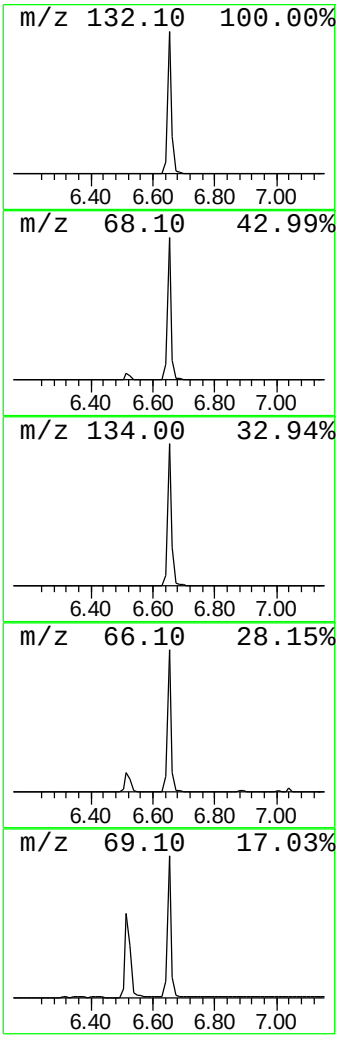
**********

Peak Number 2 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 65.25 ng | 1424480 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

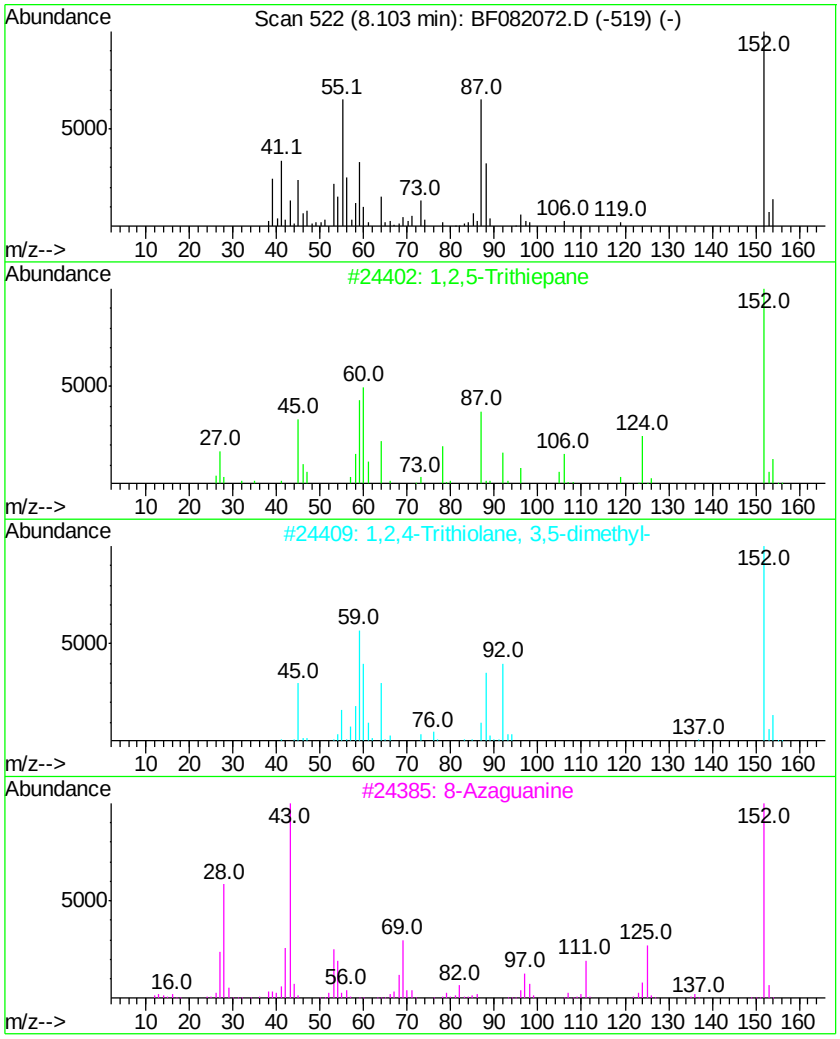
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

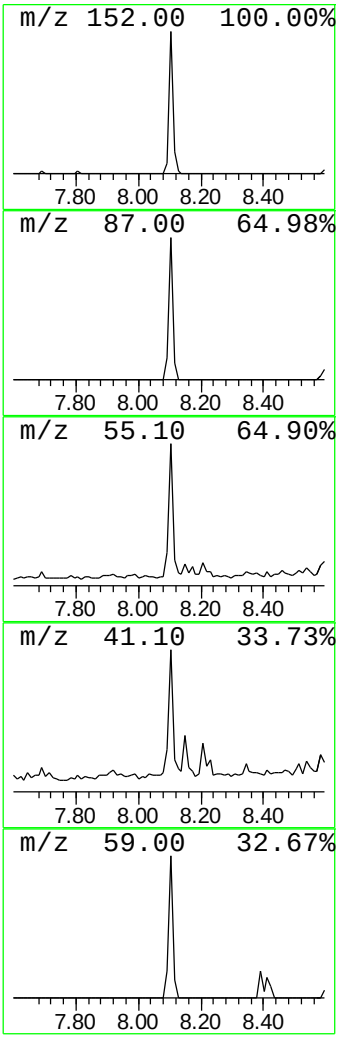
**********

Peak Number 4 unknown8.10 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.10 | 4.83 ng | 124073 | Naphthalene-d8 | 8.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,5-Trithiepane | 152 | C4H8S3 | 006576-93-8 | 43 |
| 2 | 1,2,4-Trithiolane, 3,5-dimethyl- | 152 | C4H8S3 | 023654-92-4 | 37 |
| 3 | 8-Azaguanine | 152 | C4H4N6O | 000134-58-7 | 22 |
| 4 | 2-Chlorobenzimidazole | 152 | C7H5ClN2 | 004857-06-1 | 22 |
| 5 | Benzene, 1-(ethylthio)-4-methyl- | 152 | C9H12S | 000622-63-9 | 22 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

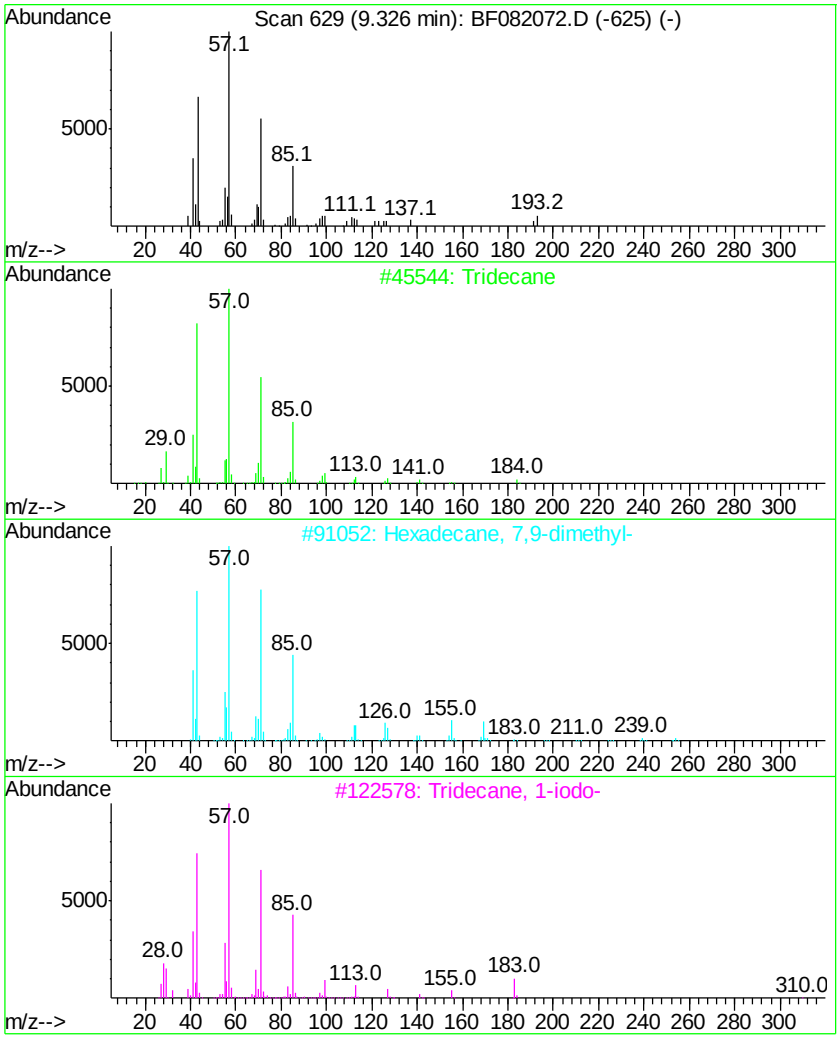
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

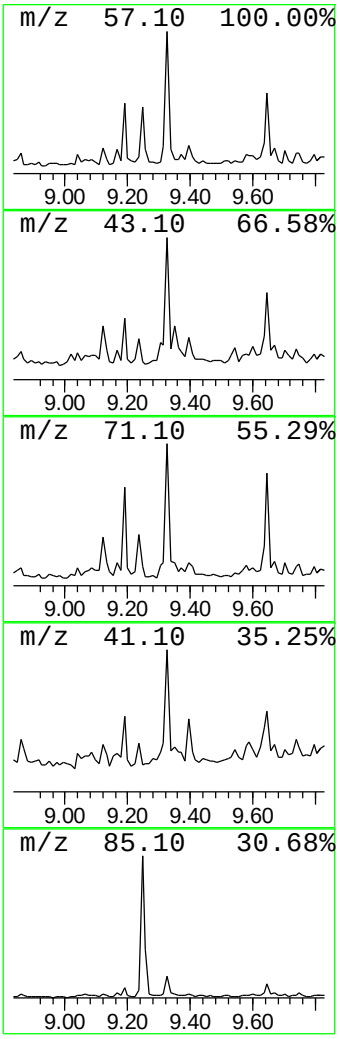
**********

Peak Number 5 Tridecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.33 | 2.79 ng | 78528 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 72 |
| 2 | Hexadecane, 7,9-dimethyl- | 254 | C18H38 | 021164-95-4 | 64 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 64 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 5 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

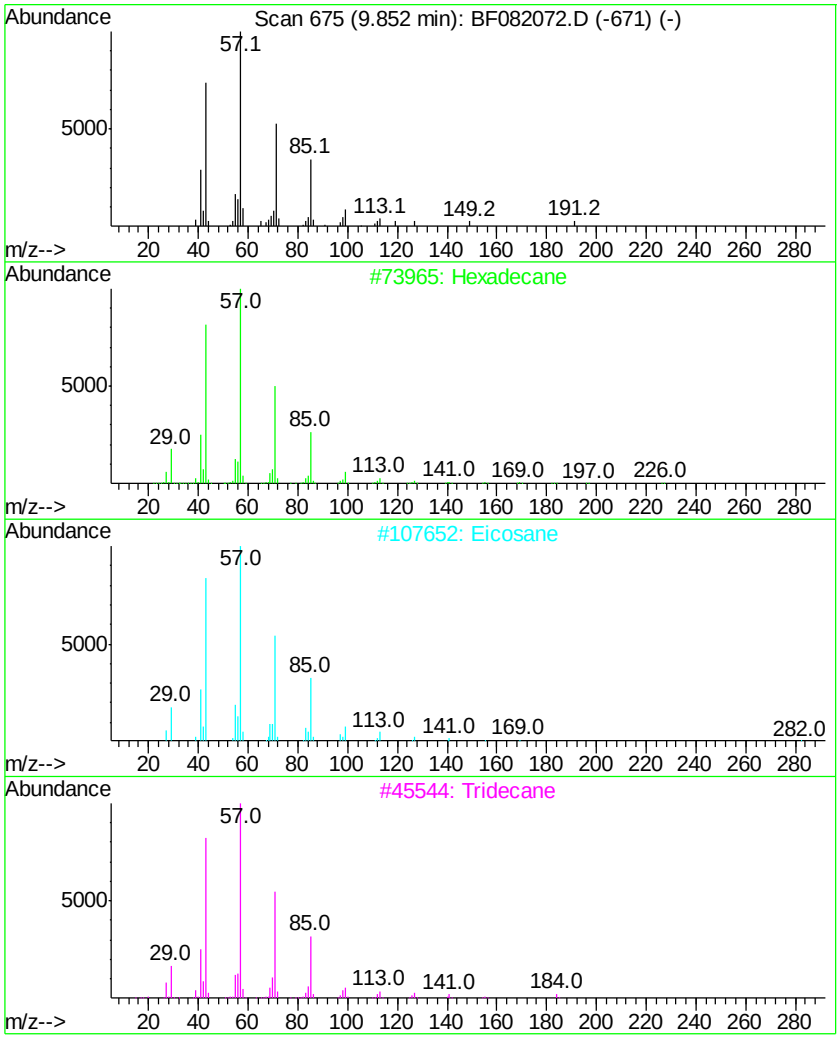
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

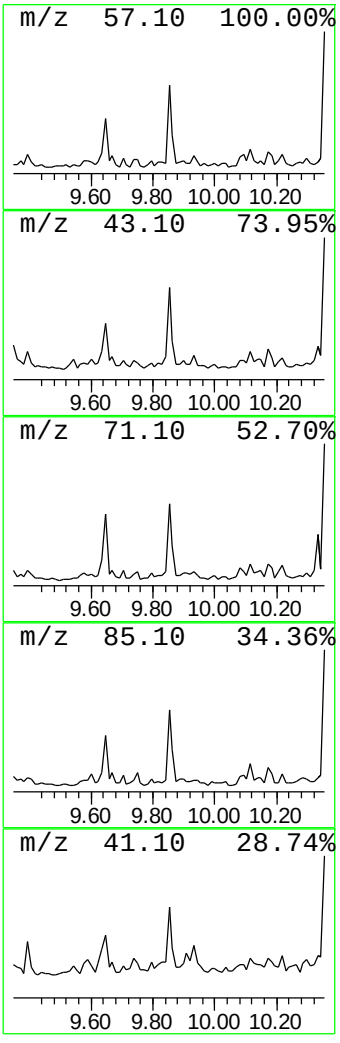
**********

Peak Number 6 Hexadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.85 | 2.42 ng | 68129 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 78 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 72 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

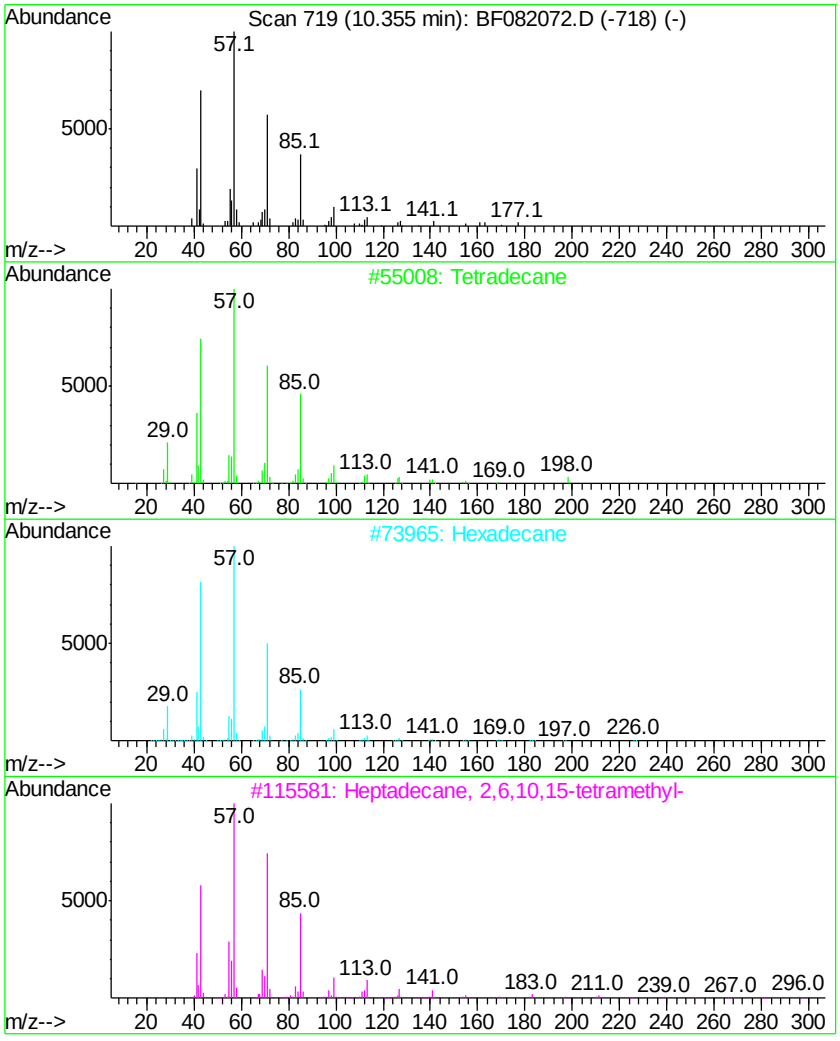
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

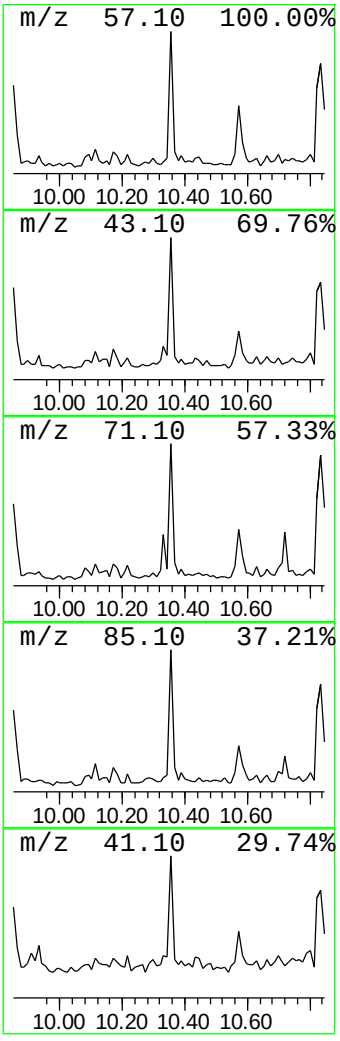
**********

Peak Number 7 Tetradecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.35 | 2.28 ng | 64057 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 80 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 78 |
| 5 | Undecane, 3-methyl- | 170 | C12H26 | 001002-43-3 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

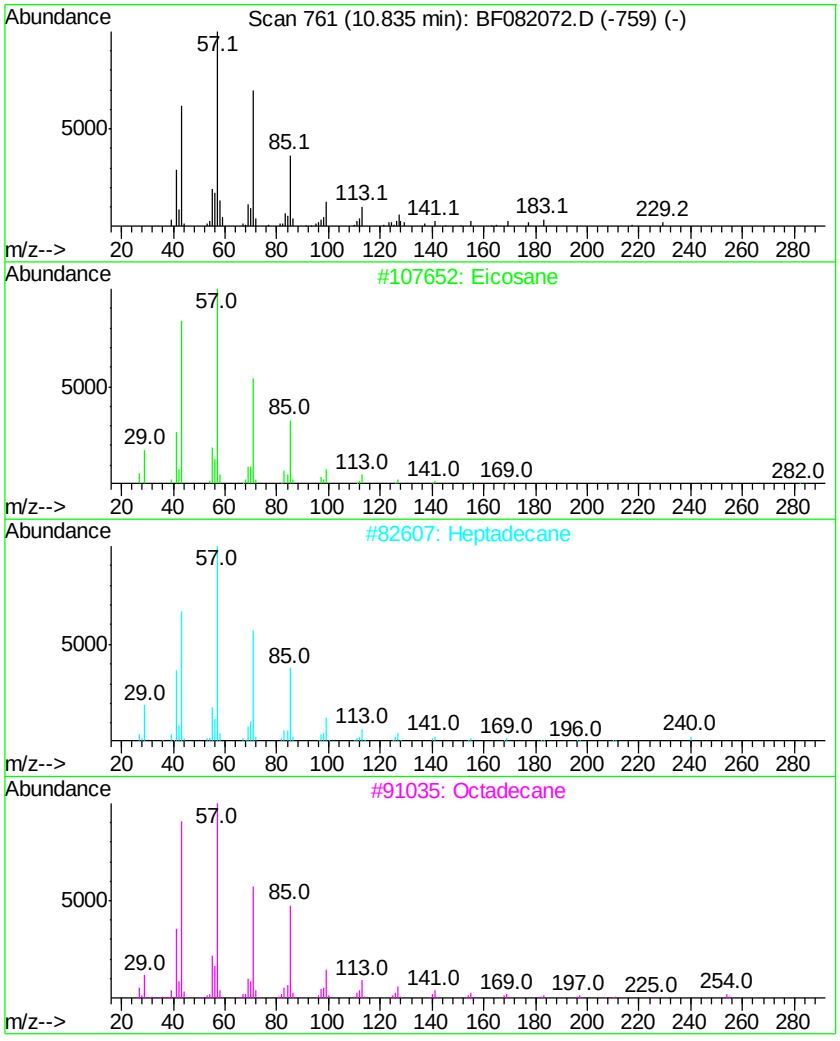
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

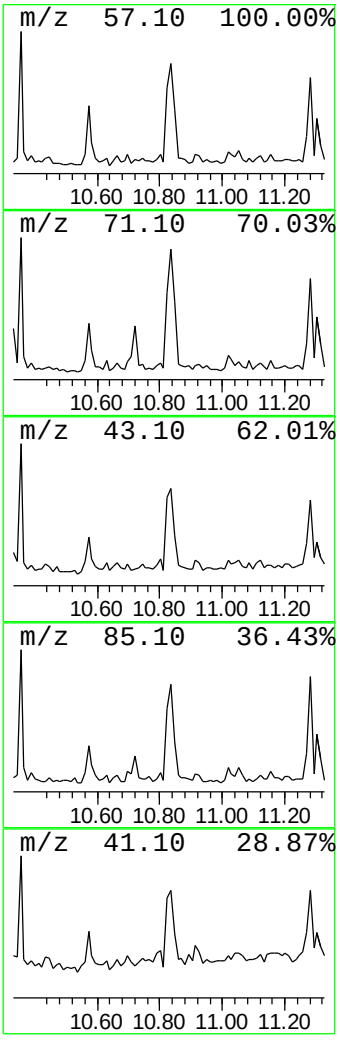
**********

Peak Number 8 Eicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.83 | 4.35 ng | 109160 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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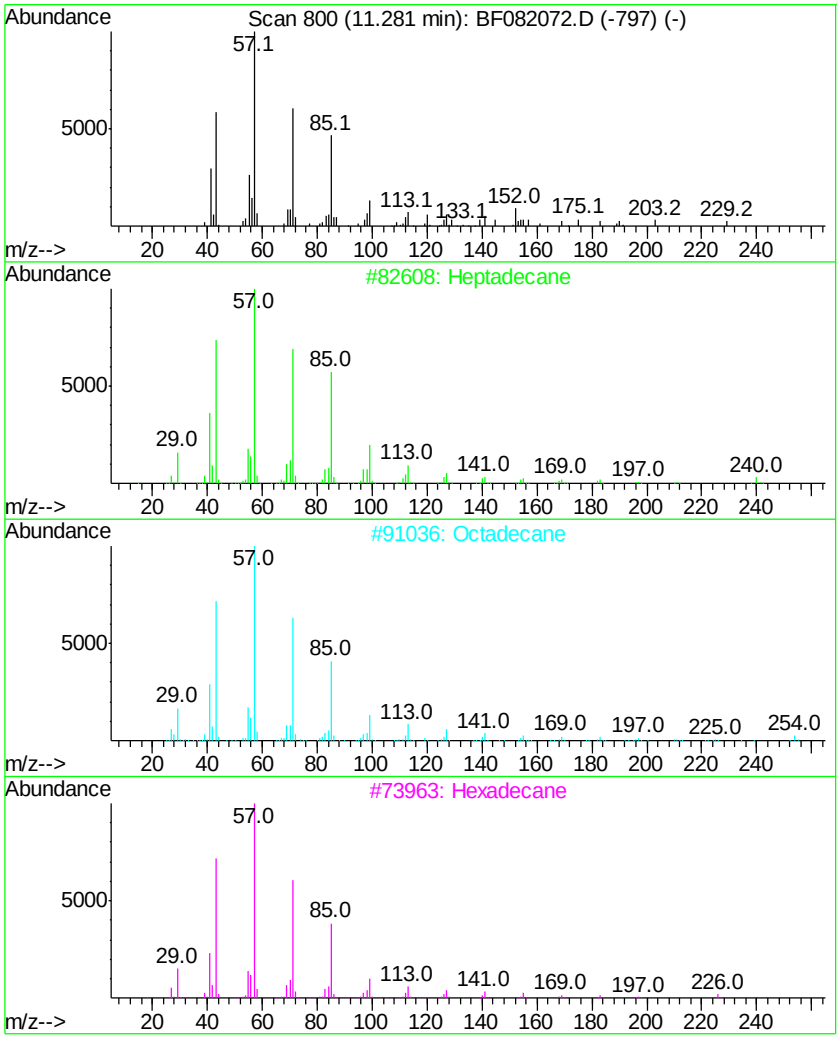
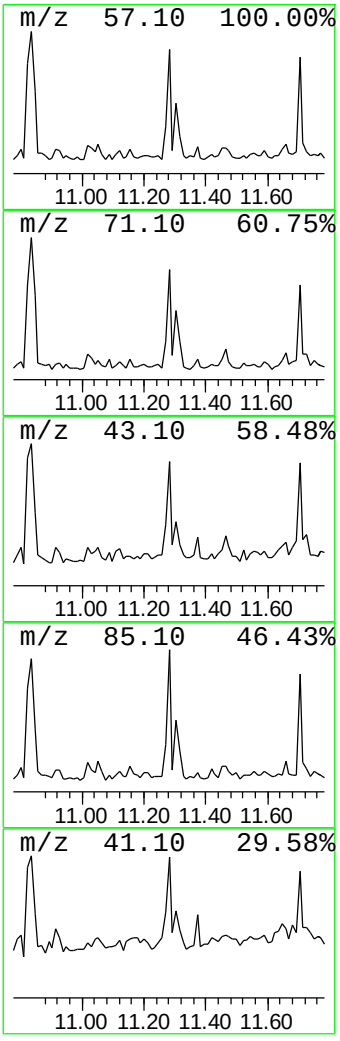
Peak Number 9 Heptadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.28 | 2.57 ng | 64642 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 86 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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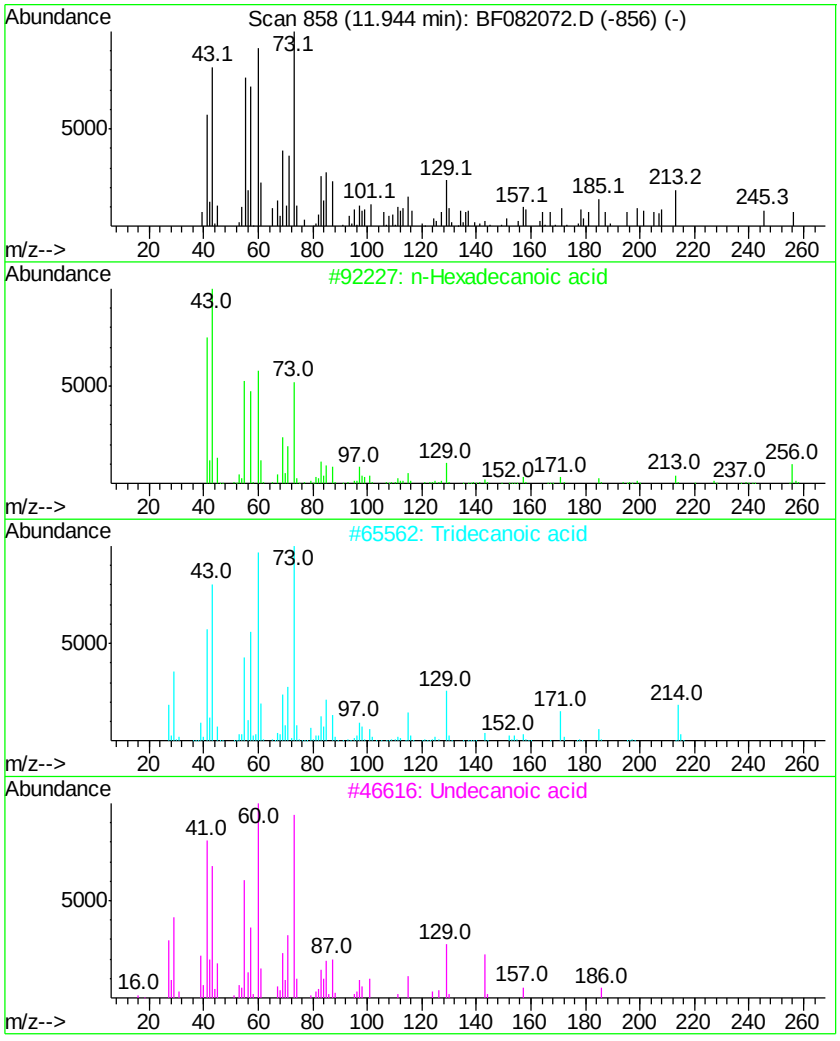
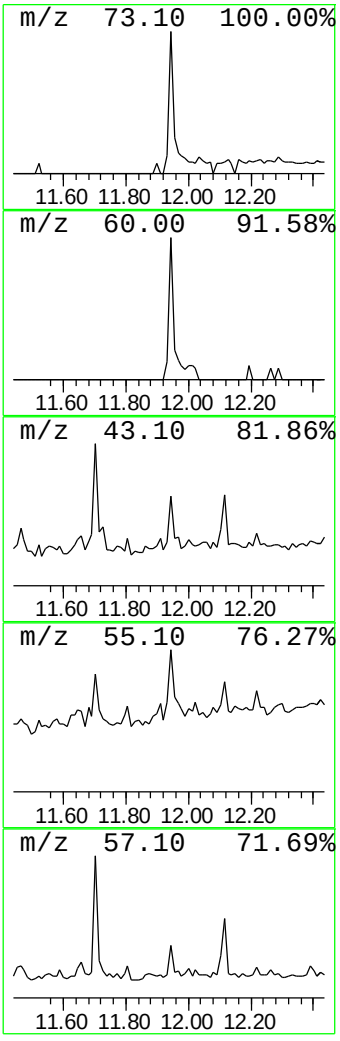
Peak Number 11 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 2.75 ng | 69067 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 3 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 59 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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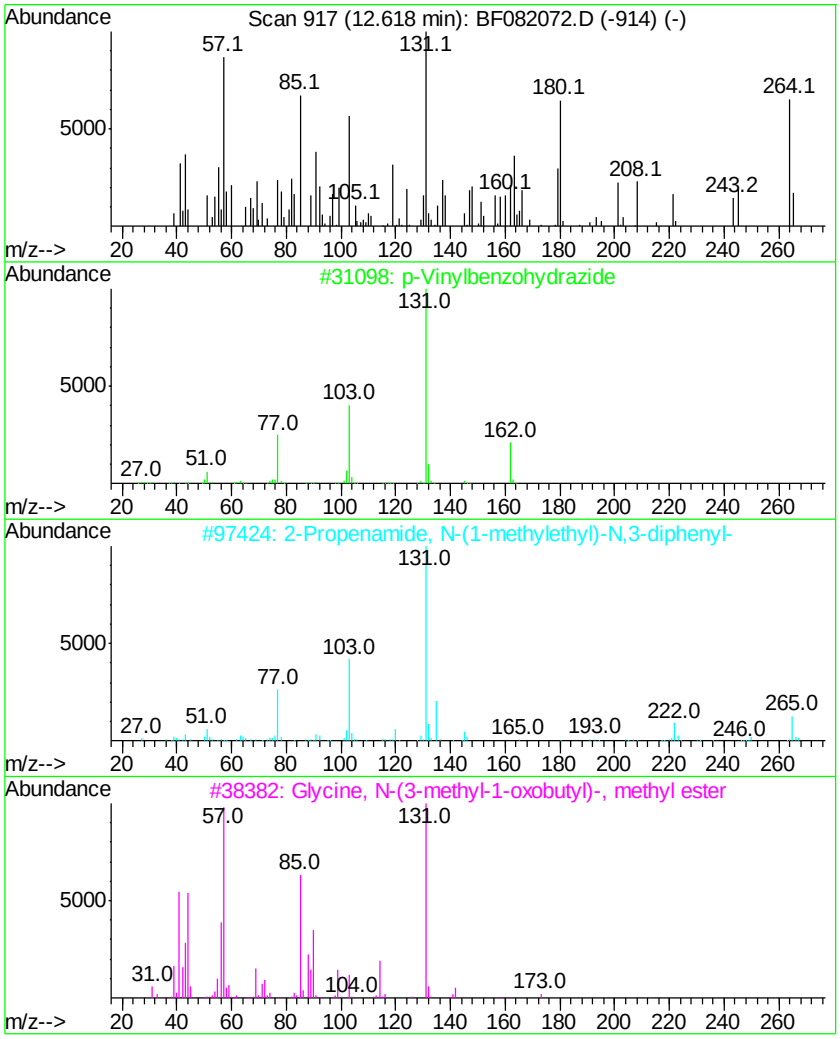
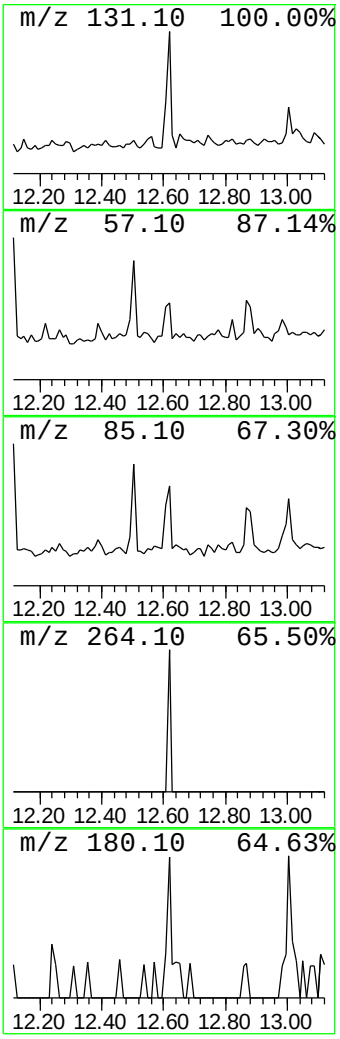
Peak Number 12 unknown12.62 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.62 | 2.05 ng | 51483 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Vinylbenzohydrazide | 162 | C9H10N2O | 1000244-74-9 | 22 |
| 2 | 2-Propenamide, N-(1-methylethyl)... | 265 | C18H19NO | 055044-37-6 | 16 |
| 3 | Glycine, N-(3-methyl-1-oxobutyl)... | 173 | C8H15NO3 | 056009-37-1 | 16 |
| 4 | 2-Propenal, 3-(2-methoxyphenyl)- | 162 | C10H10O2 | 001504-74-1 | 14 |
| 5 | 2-Propenoic acid, 3-phenyl-, met... | 162 | C10H10O2 | 000103-26-4 | 11 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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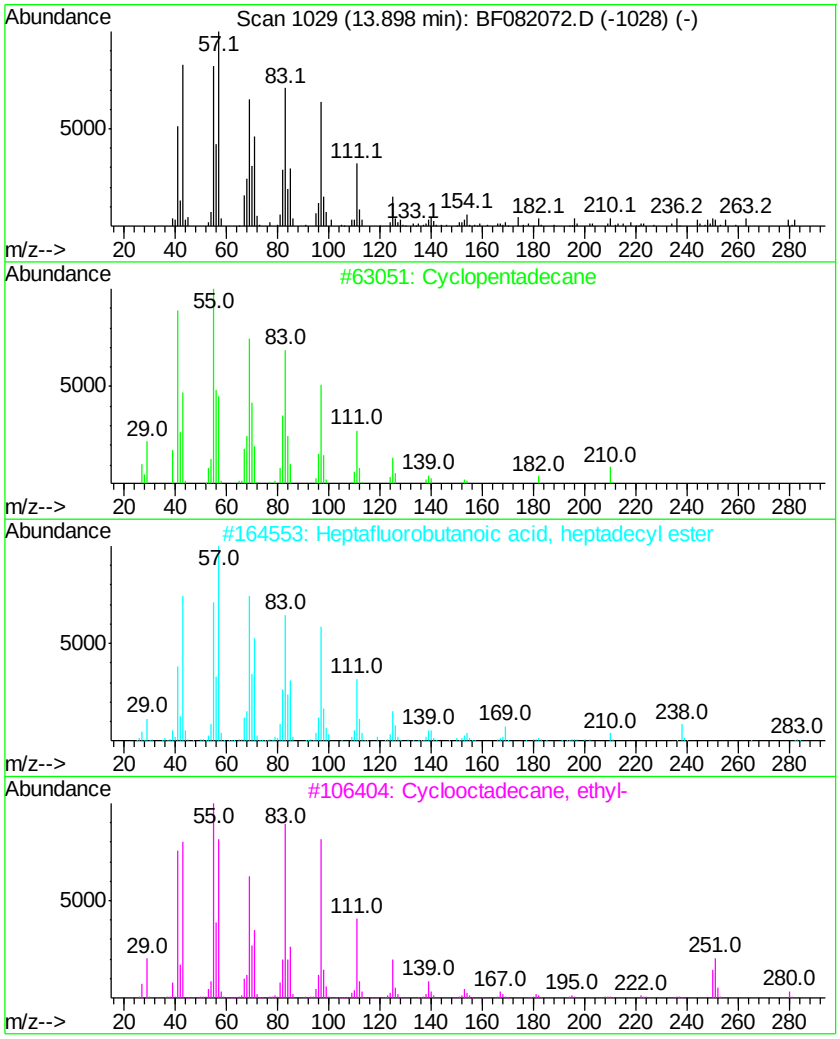
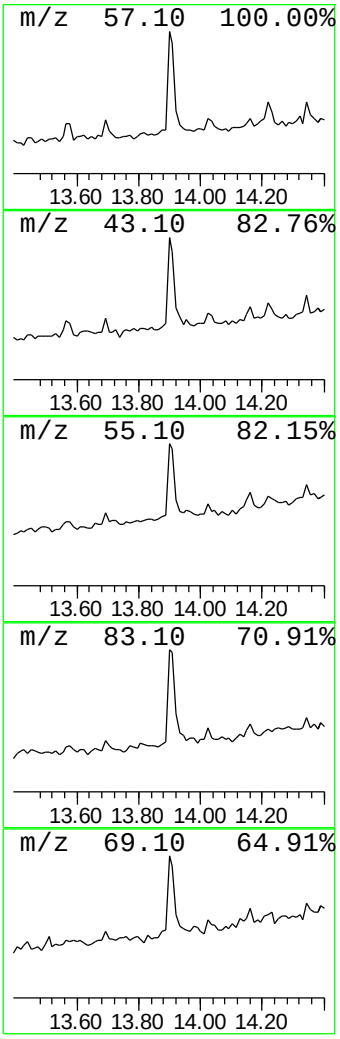
Peak Number 13 Cyclopentadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.90 | 6.61 ng | 133266 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 93 |
| 2 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 91 |
| 3 | Cyclooctadecane, ethyl- | 280 | C20H40 | 1000151-22-5 | 83 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 83 |
| 5 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100515\
Data File : BF082072.D
Acq On : 6 Oct 2015 5:01
Operator : UM/IZ
Sample : G3891-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-4(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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... | 5.06 | 29.3 | ng | 640321 | 1 | 6.89 | 436608 | 20.0 |
| unknown6.65 | 6.65 | 65.3 | ng | 1424480 | 1 | 6.89 | 436608 | 20.0 |
| unknown8.10 | 8.10 | 4.8 | ng | 124073 | 2 | 8.17 | 514031 | 20.0 |
| Tridecane | 9.33 | 2.8 | ng | 78528 | 3 | 9.93 | 562763 | 20.0 |
| Hexadecane | 9.85 | 2.4 | ng | 68129 | 3 | 9.93 | 562763 | 20.0 |
| Tetradecane | 10.35 | 2.3 | ng | 64057 | 3 | 9.93 | 562763 | 20.0 |
| Eicosane | 10.83 | 4.3 | ng | 109160 | 4 | 11.42 | 502192 | 20.0 |
| Heptadecane | 11.28 | 2.6 | ng | 64642 | 4 | 11.42 | 502192 | 20.0 |
| n-Hexadecanoic acid | 11.94 | 2.8 | ng | 69067 | 4 | 11.42 | 502192 | 20.0 |
| unknown12.62 | 12.62 | 2.0 | ng | 51483 | 4 | 11.42 | 502192 | 20.0 |
| Cyclopentadecane | 13.90 | 6.6 | ng | 133266 | 5 | 14.06 | 403176 | 20.0 |