LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

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-BF123115.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 | 2.167 | 5 | 7 | 13 | rVB2 | 64063 | 124243 | 2.04% | 0.205% |
| 2 | 2.258 | 13 | 15 | 20 | rVB2 | 42026 | 76402 | 1.25% | 0.126% |
| 3 | 2.396 | 20 | 27 | 28 | rBV | 115393 | 506751 | 8.31% | 0.838% |
| 4 | 5.082 | 260 | 262 | 265 | rVB | 1329428 | 1559392 | 25.58% | 2.579% |
| 5 | 5.516 | 297 | 300 | 302 | rBV | 4798130 | 5924812 | 97.17% | 9.800% |
| 6 | 6.465 | 381 | 383 | 385 | rBV | 532142 | 646450 | 10.60% | 1.069% |
| 7 | 6.545 | 387 | 390 | 395 | rVB | 4117324 | 6097151 | 100.00% | 10.085% |
| 8 | 6.670 | 398 | 401 | 403 | rBV | 4136568 | 5919976 | 97.09% | 9.792% |
| 9 | 6.887 | 418 | 420 | 422 | rBV | 1849630 | 1575760 | 25.84% | 2.606% |
| 10 | 7.047 | 431 | 434 | 436 | rBV | 4963919 | 4469267 | 73.30% | 7.392% |
| 11 | 7.082 | 436 | 437 | 440 | rVB | 58792 | 64984 | 1.07% | 0.107% |
| 12 | 7.459 | 467 | 470 | 472 | rVB | 3400246 | 4028538 | 66.07% | 6.663% |
| 13 | 7.550 | 475 | 478 | 482 | rVB | 90551 | 113657 | 1.86% | 0.188% |
| 14 | 7.916 | 505 | 510 | 513 | rVB2 | 58979 | 70522 | 1.16% | 0.117% |
| 15 | 8.088 | 523 | 525 | 527 | rBV | 298123 | 270993 | 4.44% | 0.448% |
| 16 | 8.179 | 530 | 533 | 535 | rBV | 2242903 | 2213585 | 36.31% | 3.661% |
| 17 | 8.248 | 537 | 539 | 542 | rBV | 413901 | 386562 | 6.34% | 0.639% |
| 18 | 9.253 | 624 | 627 | 630 | rBV | 6506945 | 6030660 | 98.91% | 9.975% |
| 19 | 9.653 | 659 | 662 | 664 | rBV | 2122088 | 1887479 | 30.96% | 3.122% |
| 20 | 9.688 | 664 | 665 | 668 | rVV | 75788 | 86833 | 1.42% | 0.144% |
| 21 | 9.745 | 668 | 670 | 672 | rVB | 66338 | 82828 | 1.36% | 0.137% |
| 22 | 9.871 | 677 | 681 | 684 | rBV3 | 48802 | 87809 | 1.44% | 0.145% |
| 23 | 9.928 | 684 | 686 | 689 | rVB | 1952164 | 2204814 | 36.16% | 3.647% |
| 24 | 10.076 | 697 | 699 | 701 | rBV | 215781 | 193197 | 3.17% | 0.320% |
| 25 | 10.293 | 716 | 718 | 721 | rBV | 127535 | 137770 | 2.26% | 0.228% |
| 26 | 10.362 | 721 | 724 | 726 | rVV2 | 119344 | 139785 | 2.29% | 0.231% |
| 27 | 10.579 | 740 | 743 | 747 | rBV | 33818 | 67057 | 1.10% | 0.111% |
| 28 | 10.716 | 753 | 755 | 758 | rBV2 | 3268799 | 3841747 | 63.01% | 6.354% |
| 29 | 10.842 | 764 | 766 | 772 | rVB | 103291 | 159999 | 2.62% | 0.265% |
| 30 | 11.265 | 801 | 803 | 804 | rBV | 70909 | 78122 | 1.28% | 0.129% |
| 31 | 11.288 | 804 | 805 | 806 | rVB | 93098 | 66578 | 1.09% | 0.110% |
| 32 | 11.414 | 814 | 816 | 819 | rBV | 2352392 | 2066327 | 33.89% | 3.418% |
| 33 | 11.642 | 833 | 836 | 840 | rBV | 88624 | 133162 | 2.18% | 0.220% |
| 34 | 13.002 | 952 | 955 | 957 | rBV | 5364326 | 4706428 | 77.19% | 7.785% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.905 | 1031 | 1034 | 1039 | rBV | 129087 | 162427 | 2.66% | 0.269% |
| 36 | 14.054 | 1044 | 1047 | 1049 | rBV | 1306897 | 1474578 | 24.18% | 2.439% |
| 37 | 14.522 | 1087 | 1088 | 1090 | rBV | 56112 | 83178 | 1.36% | 0.138% |
| 38 | 14.831 | 1113 | 1115 | 1117 | rVB | 77339 | 71875 | 1.18% | 0.119% |
| 39 | 14.900 | 1119 | 1121 | 1124 | rBV | 98908 | 147172 | 2.41% | 0.243% |
| 40 | 15.163 | 1141 | 1144 | 1146 | rBV | 98663 | 112415 | 1.84% | 0.186% |
| 41 | 15.494 | 1170 | 1173 | 1175 | rBV | 1004168 | 1374148 | 22.54% | 2.273% |
| 42 | 15.528 | 1175 | 1176 | 1180 | rVB | 106376 | 145490 | 2.39% | 0.241% |
| 43 | 15.963 | 1211 | 1214 | 1216 | rBV | 98152 | 175147 | 2.87% | 0.290% |
| 44 | 16.443 | 1253 | 1256 | 1261 | rBV | 100200 | 197987 | 3.25% | 0.327% |
| 45 | 17.026 | 1304 | 1307 | 1310 | rBV | 82241 | 166682 | 2.73% | 0.276% |
| 46 | 17.711 | 1363 | 1367 | 1372 | rVB | 70964 | 175990 | 2.89% | 0.291% |
| 47 | 18.511 | 1434 | 1437 | 1442 | rVB2 | 52238 | 152173 | 2.50% | 0.252% |

Sum of corrected areas: 60458902

LSC Report - Integrated Chromatogram

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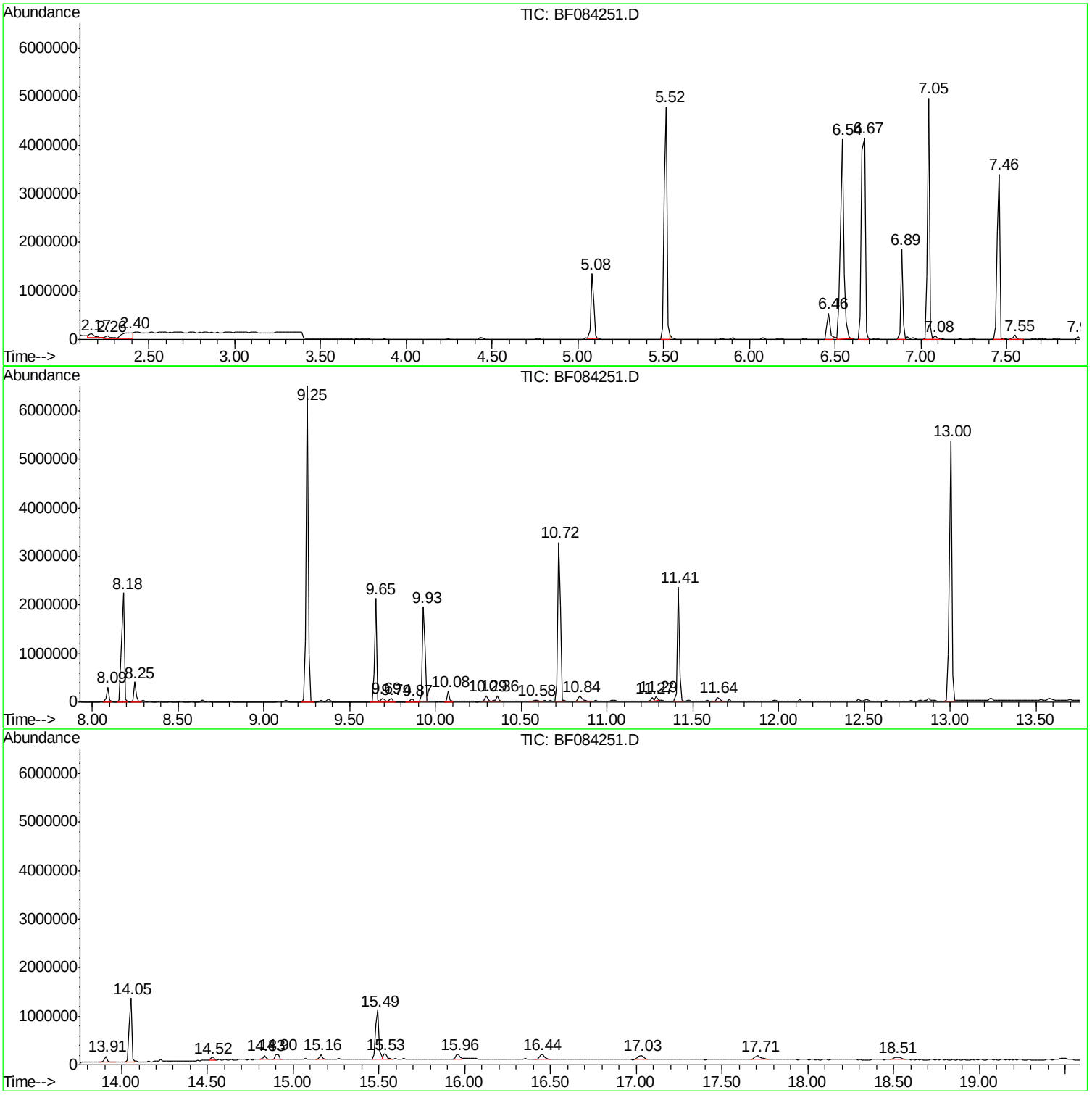
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

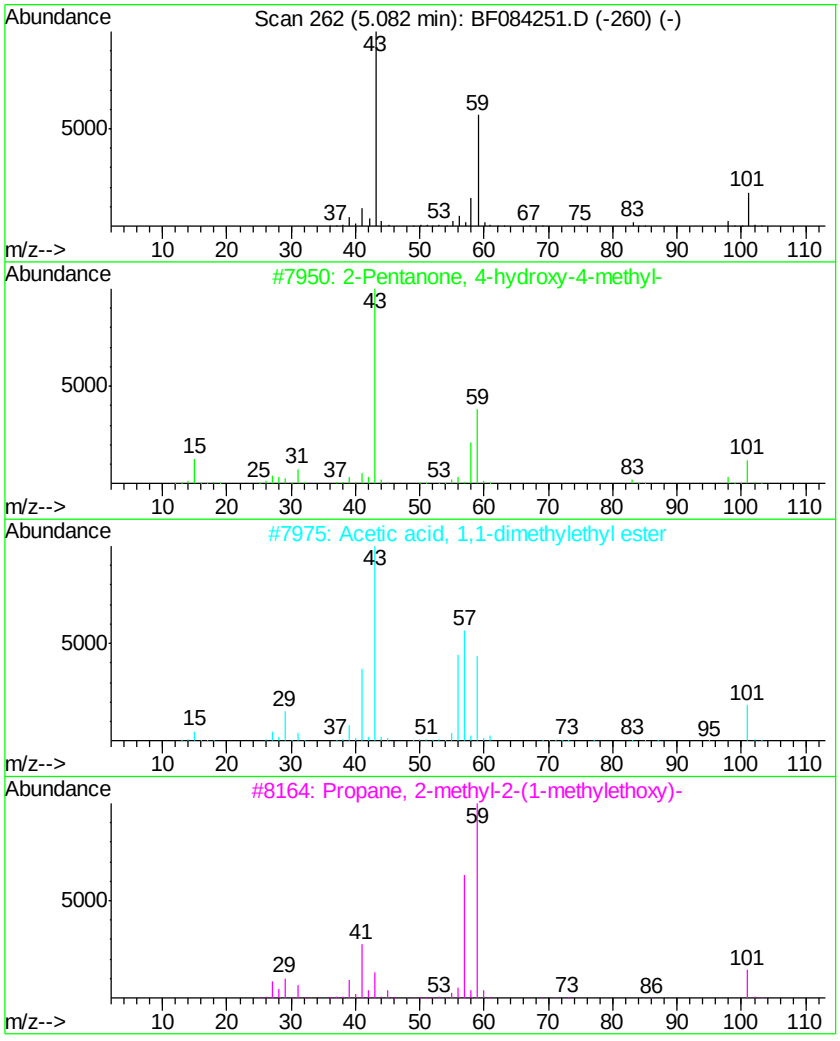
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

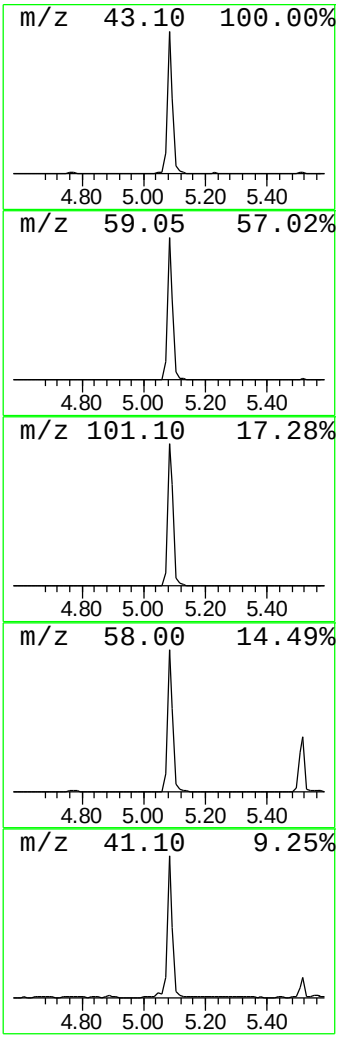
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.08 | 19.79 ng | 1559390 | 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 | 59 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

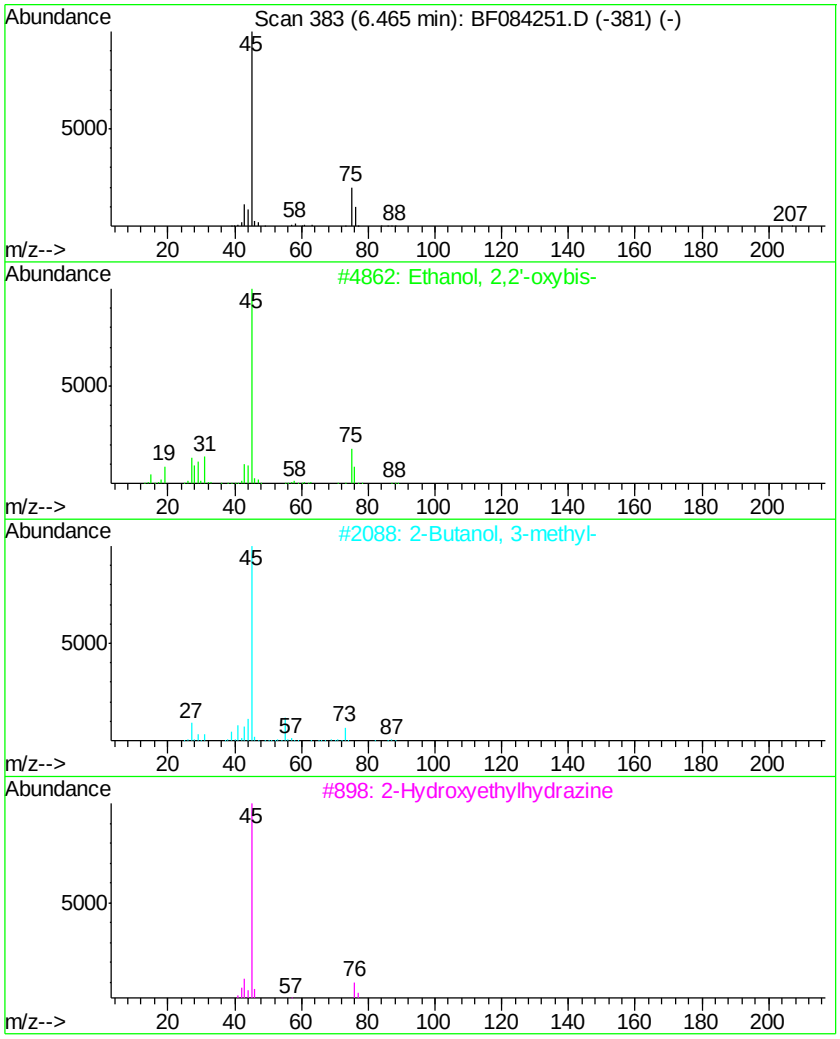
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

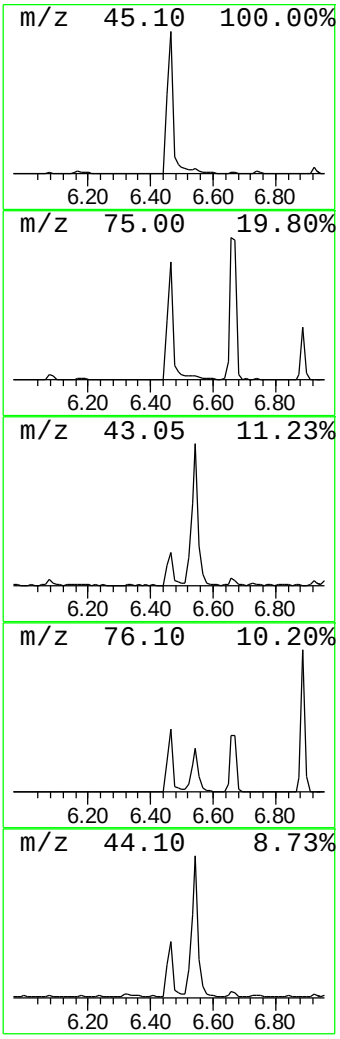
**********

Peak Number 3 Ethanol, 2,2'-oxybis- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.46 | 8.20 ng | 646450 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2,2'-oxybis- | 106 | C4H10O3 | 000111-46-6 | 83 |
| 2 | 2-Butanol, 3-methyl- | 88 | C5H12O | 000598-75-4 | 42 |
| 3 | 2-Hydroxyethylhydrazine | 76 | C2H8N2O | 000109-84-2 | 9 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 5 | Ethanol, 2-methoxy- | 76 | C3H8O2 | 000109-86-4 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

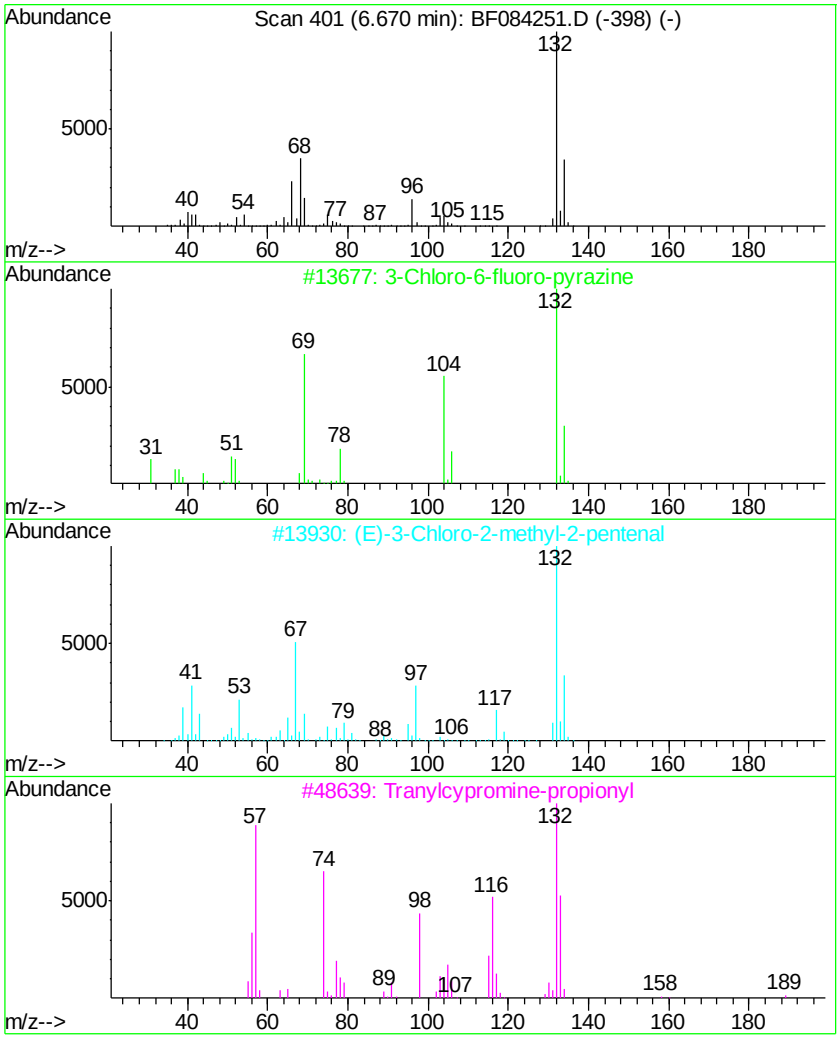
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

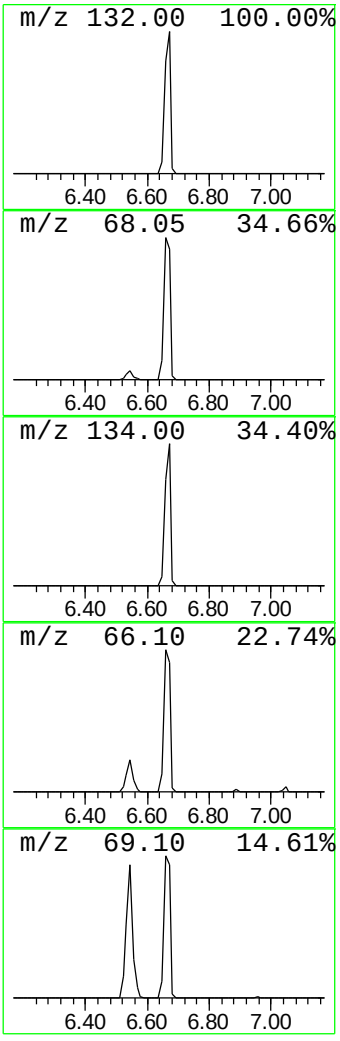
**********

Peak Number 4 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 75.14 ng | 5919980 | 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 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 4 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

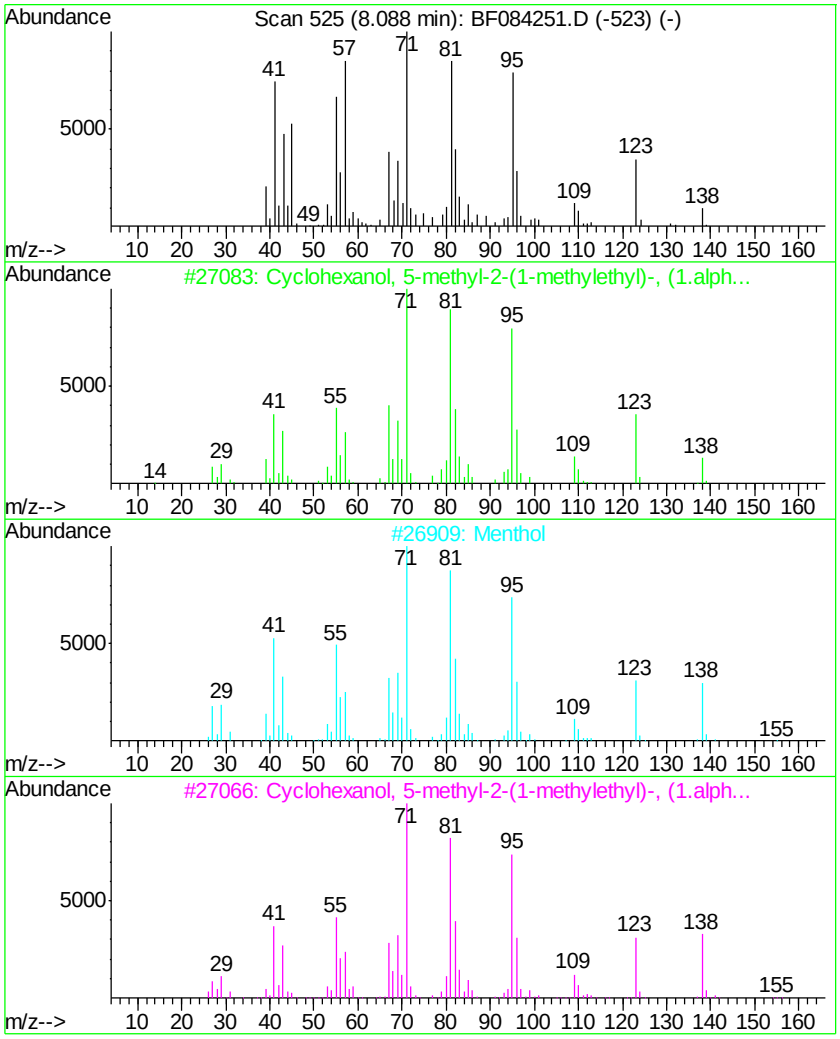
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

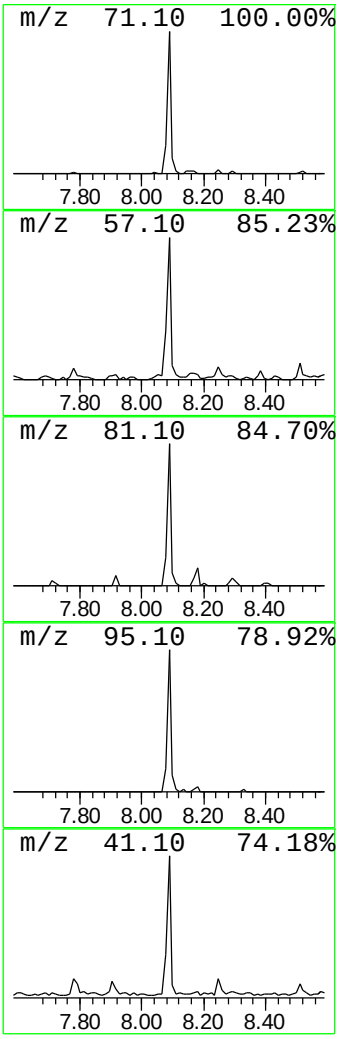
**********

Peak Number 6 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.09 | 2.45 ng | 270993 | Naphthalene-d8 | 8.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 015356-70-4 | 90 |
| 2 | Menthol | 156 | C10H20O | 001490-04-6 | 83 |
| 3 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 000089-78-1 | 83 |
| 4 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 002216-51-5 | 83 |
| 5 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 002216-52-6 | 80 |



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Data File : BF084251.D
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Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

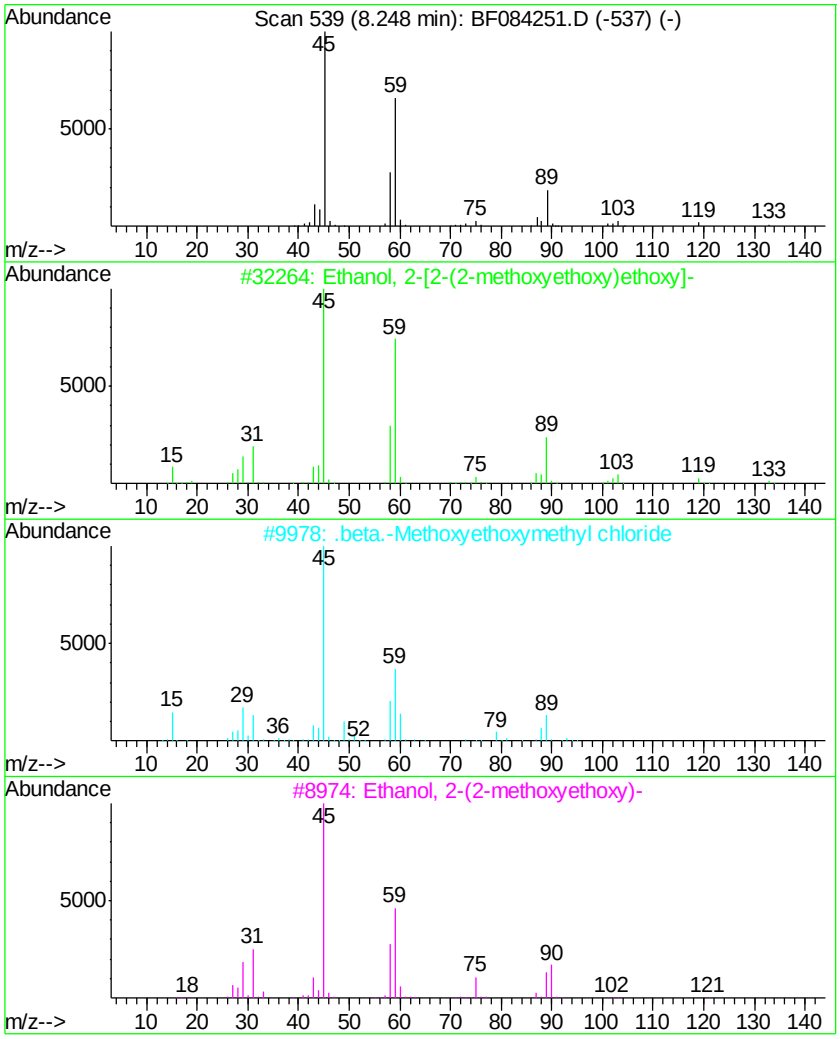
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

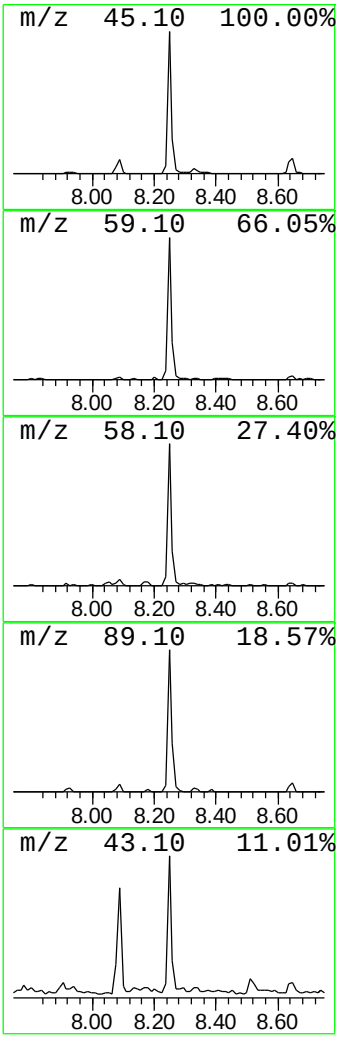
**********

Peak Number 7 Ethanol, 2-[2-(2-methoxyeth... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.25 | 3.49 ng | 386562 | Naphthalene-d8 | 8.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-[2-(2-methoxyethoxy)e... | 164 | C7H16O4 | 000112-35-6 | 90 |
| 2 | .beta.-Methoxyethoxymethyl chloride | 124 | C4H9ClO2 | 003970-21-6 | 78 |
| 3 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 74 |
| 4 | 2,5,8,11,14-Pentaoxahexadecan-16-ol | 252 | C11H24O6 | 023778-52-1 | 64 |
| 5 | Triethylene glycol | 150 | C6H14O4 | 000112-27-6 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
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Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

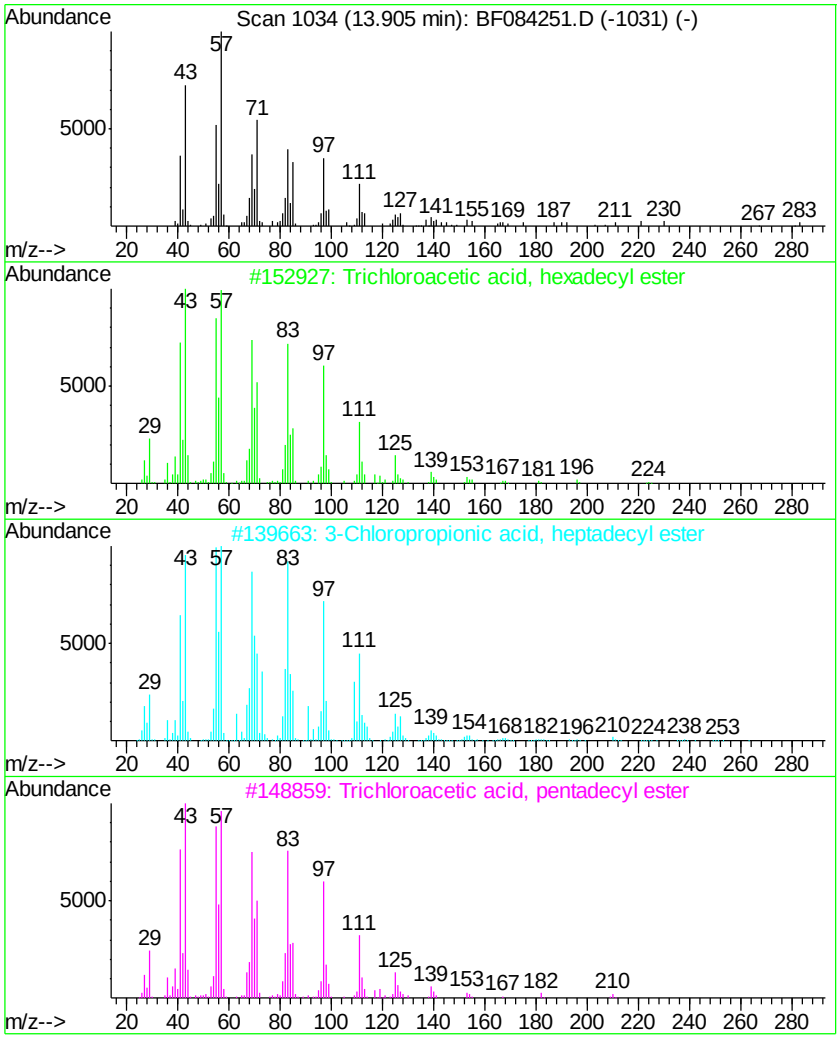
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

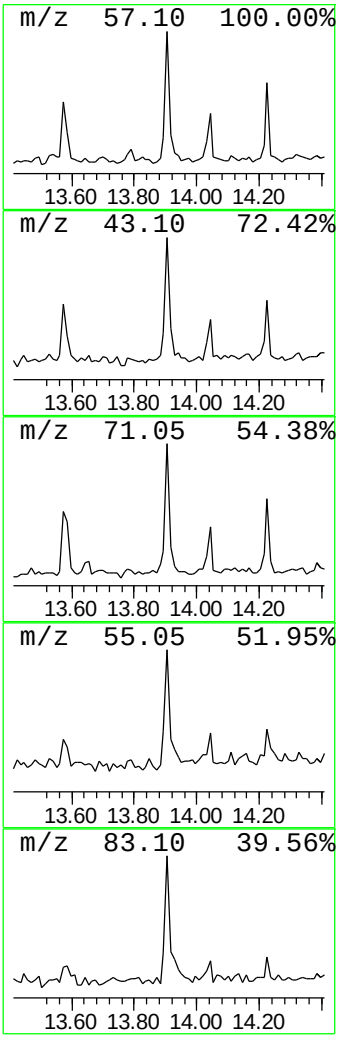
**********

Peak Number 8 Trichloroacetic acid, hexad... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.91 | 2.20 ng | 162427 | Chrysene-d12 | 14.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 64 |
| 2 | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 62 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 58 |
| 4 | 1-Nonadecanol | 284 | C19H40O | 001454-84-8 | 58 |
| 5 | Acetic acid, octadecyl ester | 312 | C20H40O2 | 000822-23-1 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
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Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

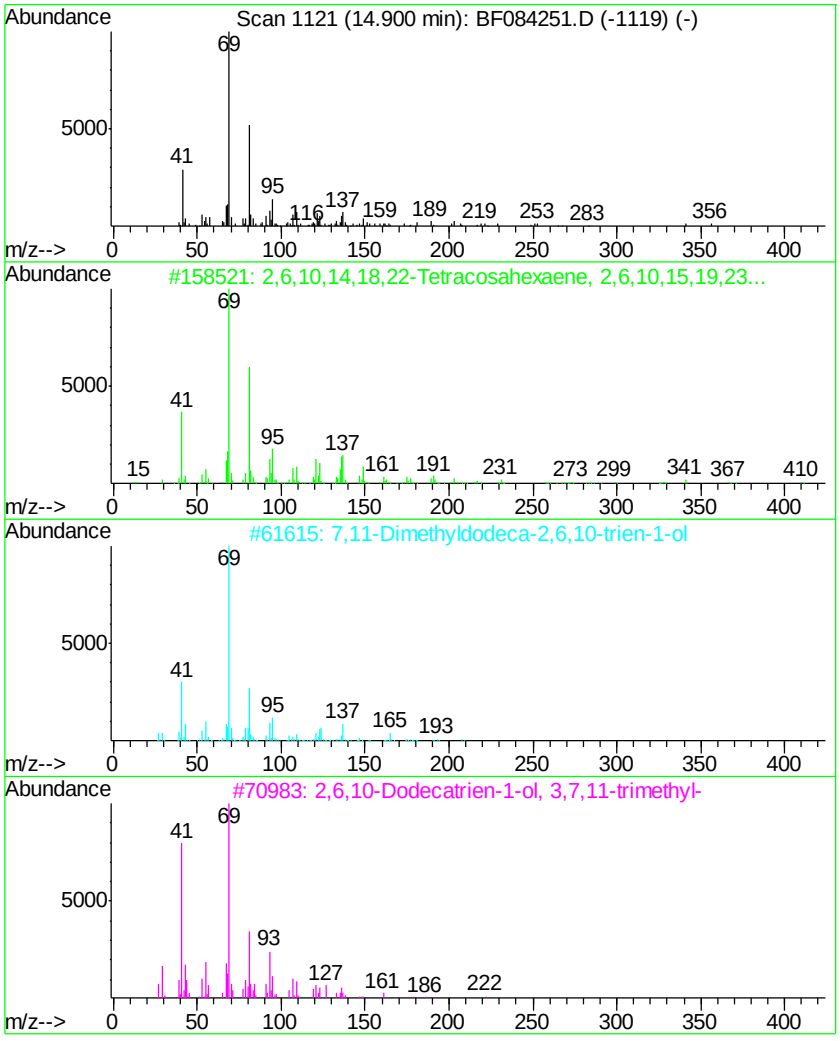
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

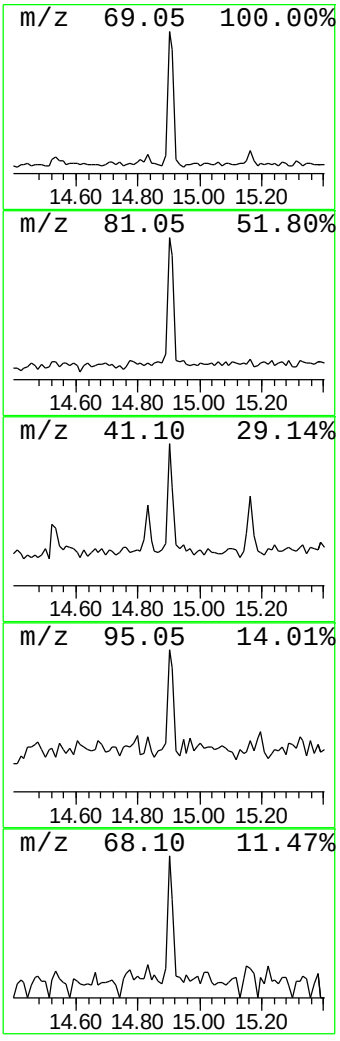
**********

Peak Number 9 2,6,10,14,18,22-Tetracosahe... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.90 | 2.14 ng | 147172 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 86 |
| 2 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 80 |
| 3 | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0 | 72 |
| 4 | Hexadeca-2,6,10,14-tetraen-1-ol,... | 290 | C20H34O | 007614-21-3 | 72 |
| 5 | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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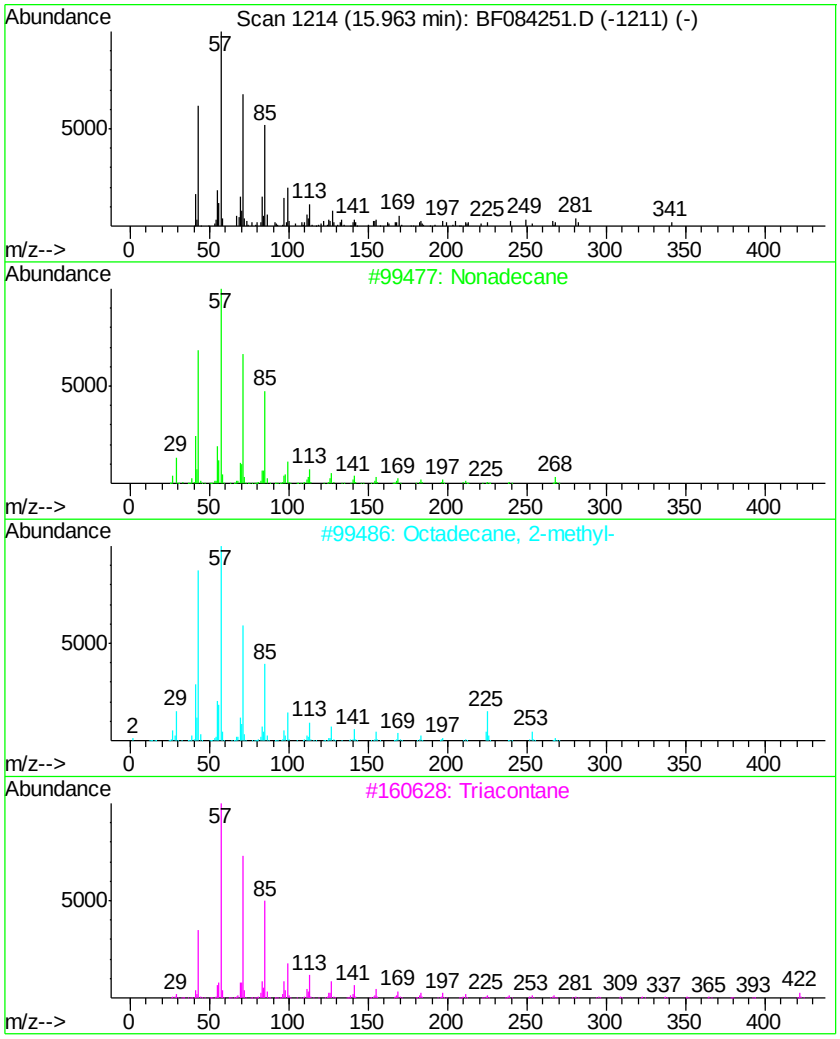
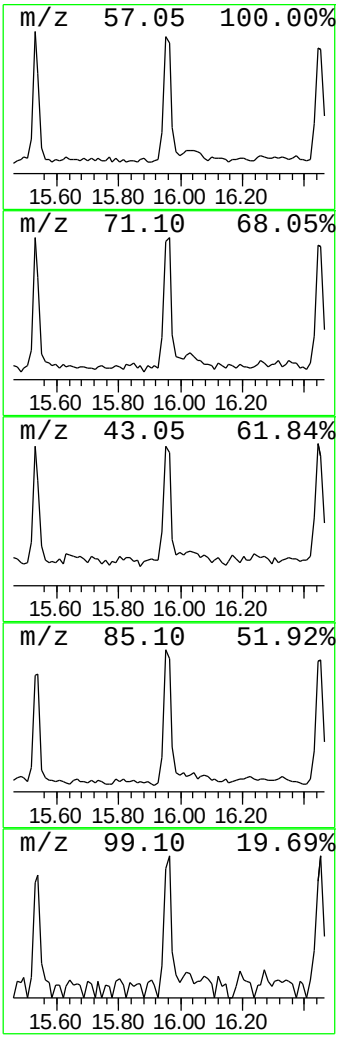
Peak Number 10 Nonadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 2.55 ng | 175147 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 2 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 86 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 86 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 86 |
| 5 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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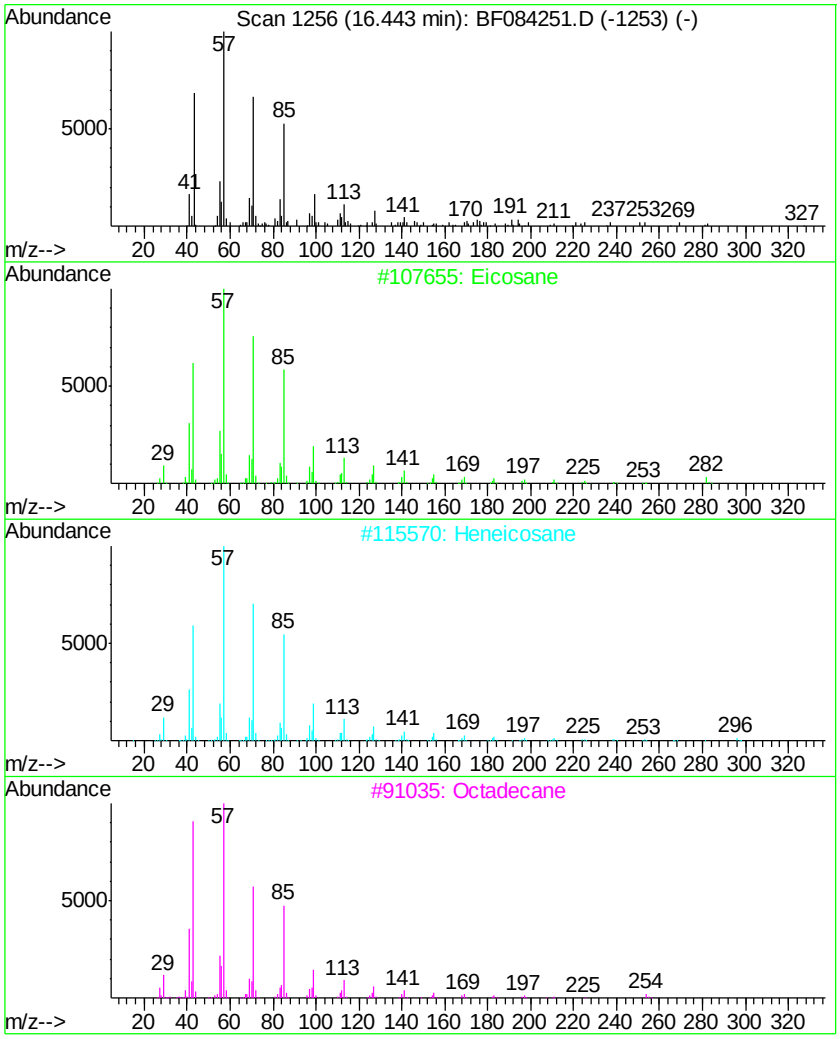
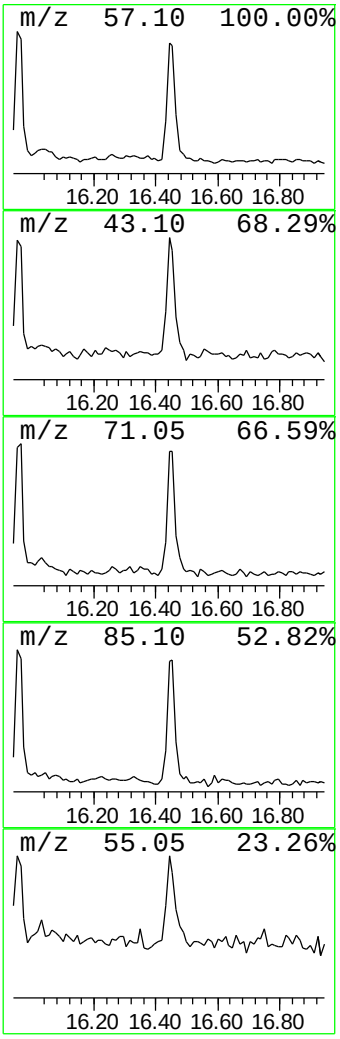
Peak Number 11 Eicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.44 | 2.88 ng | 197987 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 83 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 83 |
| 5 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 80 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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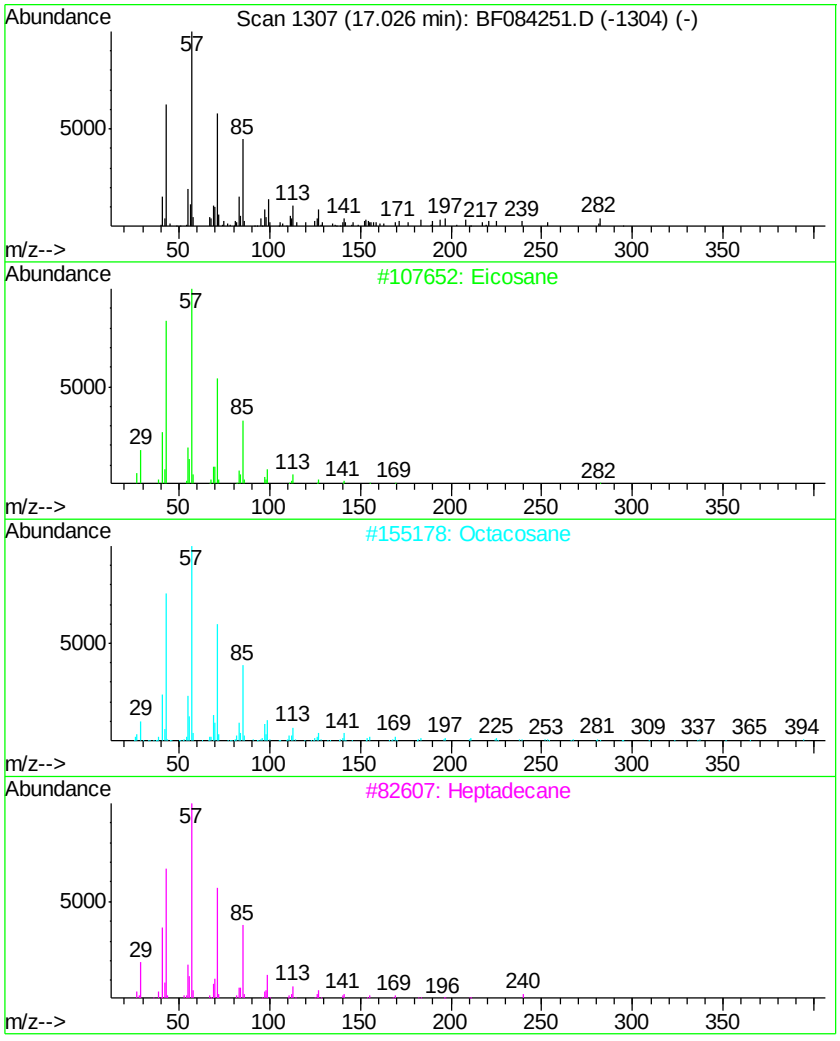
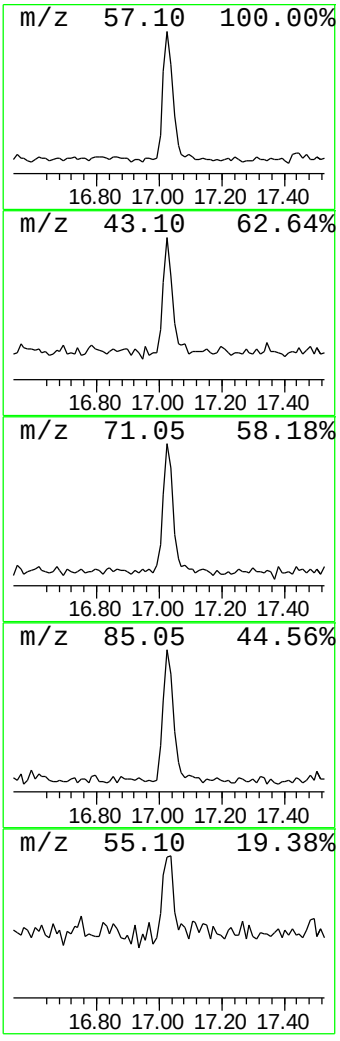
Peak Number 12 Octacosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.03 | 2.43 ng | 166682 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 83 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 83 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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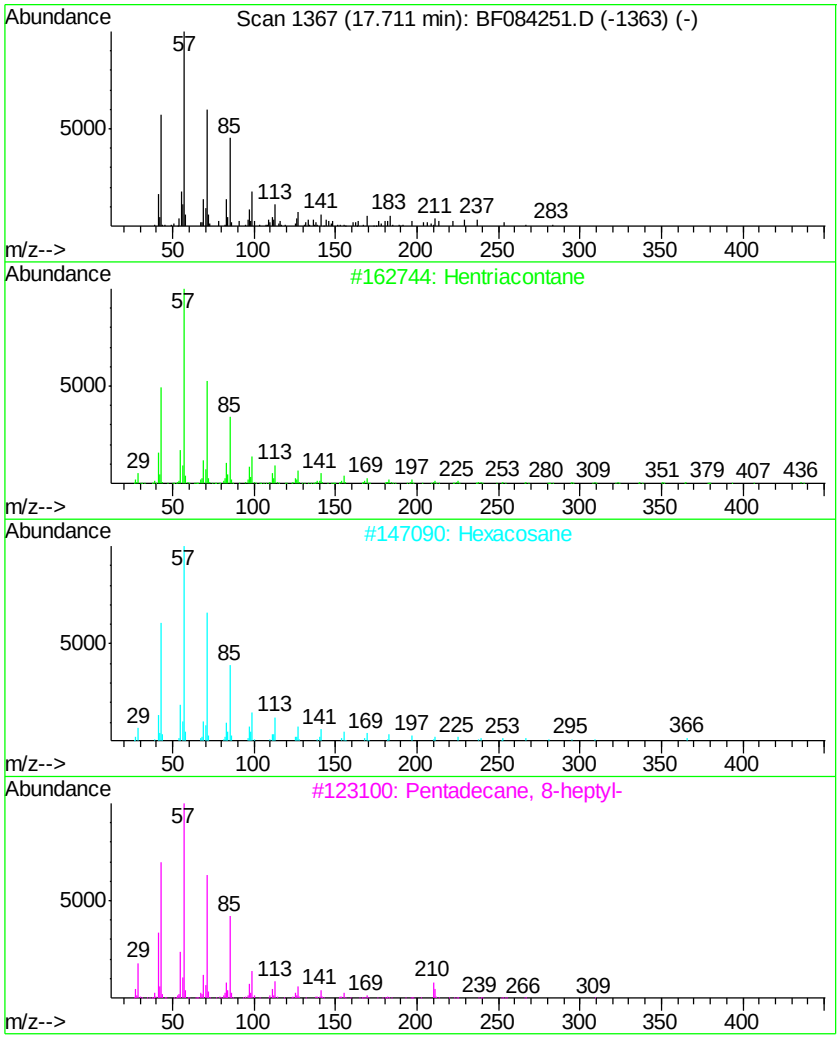
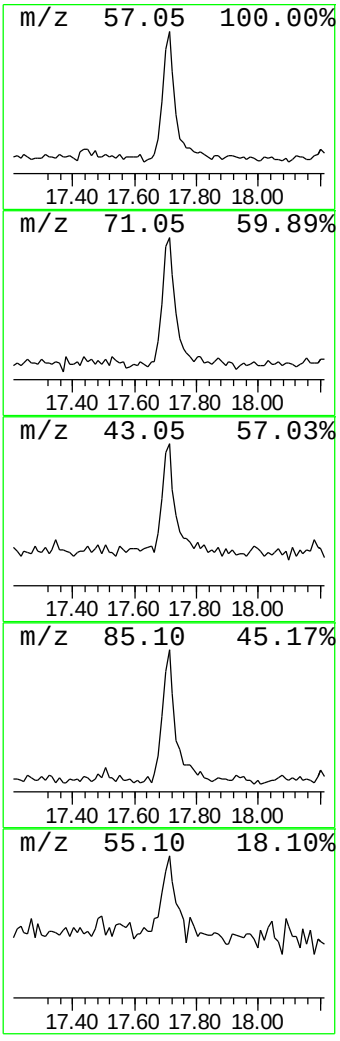
Peak Number 13 Hentriacontane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.71 | 2.56 ng | 175990 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 3 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 87 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 86 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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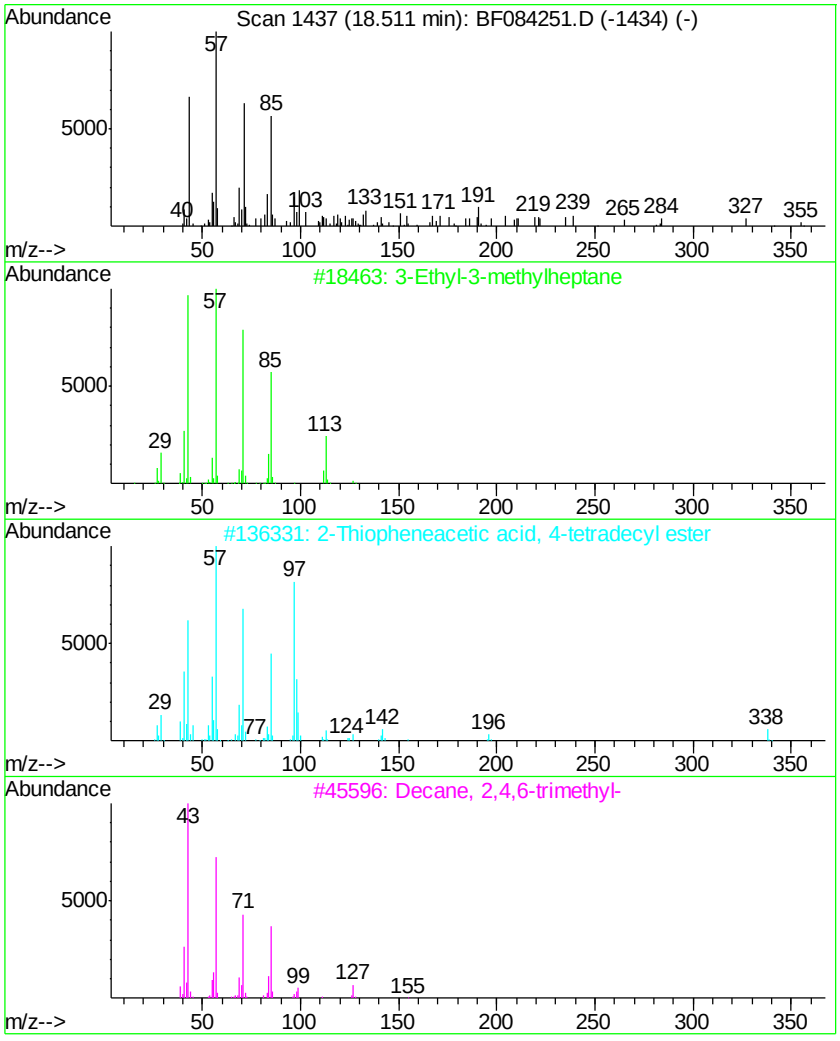
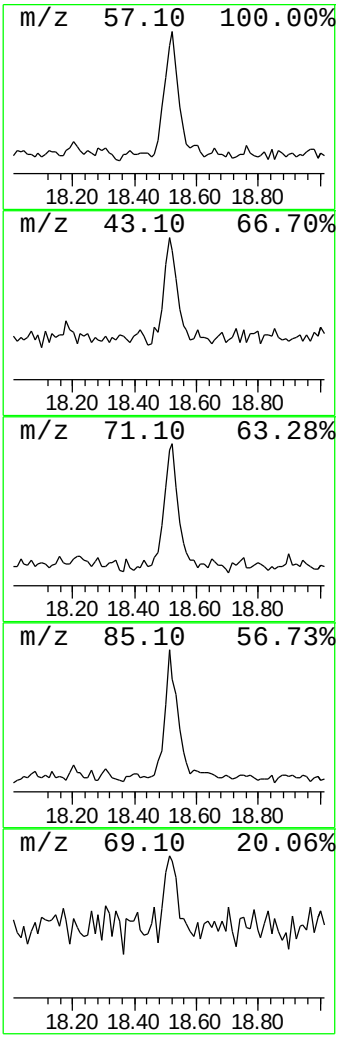
Peak Number 14 unknown18.51 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.51 | 2.21 ng | 152173 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Ethyl-3-methylheptane | 142 | C10H22 | 017302-01-1 | 47 |
| 2 | 2-Thiopheneacetic acid, 4-tetrad... | 338 | C20H34O2S | 1000280-67-0 | 47 |
| 3 | Decane, 2,4,6-trimethyl- | 184 | C13H28 | 062108-27-4 | 47 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 47 |
| 5 | Undecane, 4-ethyl- | 184 | C13H28 | 017312-59-3 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084251.D
Acq On : 4 Jan 2016 20:52
Operator : UM/SJ
Sample : G4987-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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... | 5.08 | 19.8 | ng | 1559390 | 1 | 6.89 | 1575760 | 20.0 |
| Ethanol, 2,2'-oxy... | 6.46 | 8.2 | ng | 646450 | 1 | 6.89 | 1575760 | 20.0 |
| unknown6.67 | 6.67 | 75.1 | ng | 5919980 | 1 | 6.89 | 1575760 | 20.0 |
| Cyclohexanol, 5-m... | 8.09 | 2.5 | ng | 270993 | 2 | 8.18 | 2213590 | 20.0 |
| Ethanol, 2-[2-(2-... | 8.25 | 3.5 | ng | 386562 | 2 | 8.18 | 2213590 | 20.0 |
| Trichloroacetic a... | 13.91 | 2.2 | ng | 162427 | 5 | 14.05 | 1474580 | 20.0 |
| 2,6,10,14,18,22-T... | 14.90 | 2.1 | ng | 147172 | 6 | 15.49 | 1374150 | 20.0 |
| Nonadecane | 15.96 | 2.5 | ng | 175147 | 6 | 15.49 | 1374150 | 20.0 |
| Eicosane | 16.44 | 2.9 | ng | 197987 | 6 | 15.49 | 1374150 | 20.0 |
| Octacosane | 17.03 | 2.4 | ng | 166682 | 6 | 15.49 | 1374150 | 20.0 |
| Hentriacontane | 17.71 | 2.6 | ng | 175990 | 6 | 15.49 | 1374150 | 20.0 |
| unknown18.51 | 18.51 | 2.2 | ng | 152173 | 6 | 15.49 | 1374150 | 20.0 |