LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

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-BF100416.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 | 1.850 | 22 | 23 | 26 | rBV | 1441894 | 1881236 | 7.65% | 1.231% |
| 2 | 1.941 | 26 | 31 | 33 | rVV | 11456276 | 24598305 | 100.00% | 16.101% |
| 3 | 1.998 | 34 | 36 | 67 | rVB | 7231627 | 15769848 | 64.11% | 10.322% |
| 4 | 5.222 | 315 | 318 | 325 | rBV | 1654621 | 2524103 | 10.26% | 1.652% |
| 5 | 5.622 | 350 | 353 | 356 | rBV | 8647631 | 9999191 | 40.65% | 6.545% |
| 6 | 6.639 | 438 | 442 | 444 | rVB | 8766093 | 11975897 | 48.69% | 7.839% |
| 7 | 6.776 | 451 | 454 | 457 | rBV | 8527791 | 10801027 | 43.91% | 7.070% |
| 8 | 7.005 | 472 | 474 | 477 | rBV | 1953660 | 2296261 | 9.34% | 1.503% |
| 9 | 7.165 | 486 | 488 | 490 | rVB | 6443812 | 7297333 | 29.67% | 4.777% |
| 10 | 7.576 | 520 | 524 | 526 | rBV | 6493690 | 7444371 | 30.26% | 4.873% |
| 11 | 7.656 | 526 | 531 | 533 | rVV | 195806 | 270977 | 1.10% | 0.177% |
| 12 | 8.045 | 563 | 565 | 567 | rVB | 479742 | 461513 | 1.88% | 0.302% |
| 13 | 8.296 | 585 | 587 | 589 | rBV | 3967972 | 3275239 | 13.31% | 2.144% |
| 14 | 9.382 | 679 | 682 | 684 | rBV | 9095991 | 11111857 | 45.17% | 7.274% |
| 15 | 9.771 | 713 | 716 | 718 | rBV | 5450439 | 4659012 | 18.94% | 3.050% |
| 16 | 10.056 | 738 | 741 | 743 | rBV | 4481938 | 3684829 | 14.98% | 2.412% |
| 17 | 10.845 | 807 | 810 | 813 | rBV | 6732112 | 7695323 | 31.28% | 5.037% |
| 18 | 10.959 | 819 | 820 | 825 | rVB | 280965 | 386466 | 1.57% | 0.253% |
| 19 | 11.542 | 869 | 871 | 873 | rBV | 3243721 | 3208699 | 13.04% | 2.100% |
| 20 | 12.079 | 915 | 918 | 920 | rBV | 567951 | 817708 | 3.32% | 0.535% |
| 21 | 12.639 | 965 | 967 | 970 | rBV | 554713 | 487074 | 1.98% | 0.319% |
| 22 | 12.857 | 984 | 986 | 991 | rBV | 291874 | 457592 | 1.86% | 0.300% |
| 23 | 13.142 | 1008 | 1011 | 1013 | rBV | 9608992 | 9337552 | 37.96% | 6.112% |
| 24 | 13.371 | 1029 | 1031 | 1034 | rVB | 1231340 | 1088617 | 4.43% | 0.713% |
| 25 | 14.034 | 1087 | 1089 | 1093 | rBV2 | 1864414 | 2309701 | 9.39% | 1.512% |
| 26 | 14.194 | 1100 | 1103 | 1105 | rBV | 2944310 | 2657123 | 10.80% | 1.739% |
| 27 | 14.674 | 1143 | 1145 | 1149 | rBV | 1435384 | 1471449 | 5.98% | 0.963% |
| 28 | 15.371 | 1202 | 1206 | 1210 | rBV | 624730 | 1028603 | 4.18% | 0.673% |
| 29 | 15.703 | 1231 | 1235 | 1237 | rBV | 1232195 | 1907936 | 7.76% | 1.249% |
| 30 | 16.251 | 1281 | 1283 | 1289 | rVB | 693976 | 1225341 | 4.98% | 0.802% |
| 31 | 17.451 | 1384 | 1388 | 1396 | rBV | 129335 | 380294 | 1.55% | 0.249% |
| 32 | 17.954 | 1428 | 1432 | 1438 | rVB2 | 93530 | 261305 | 1.06% | 0.171% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

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-BF100416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

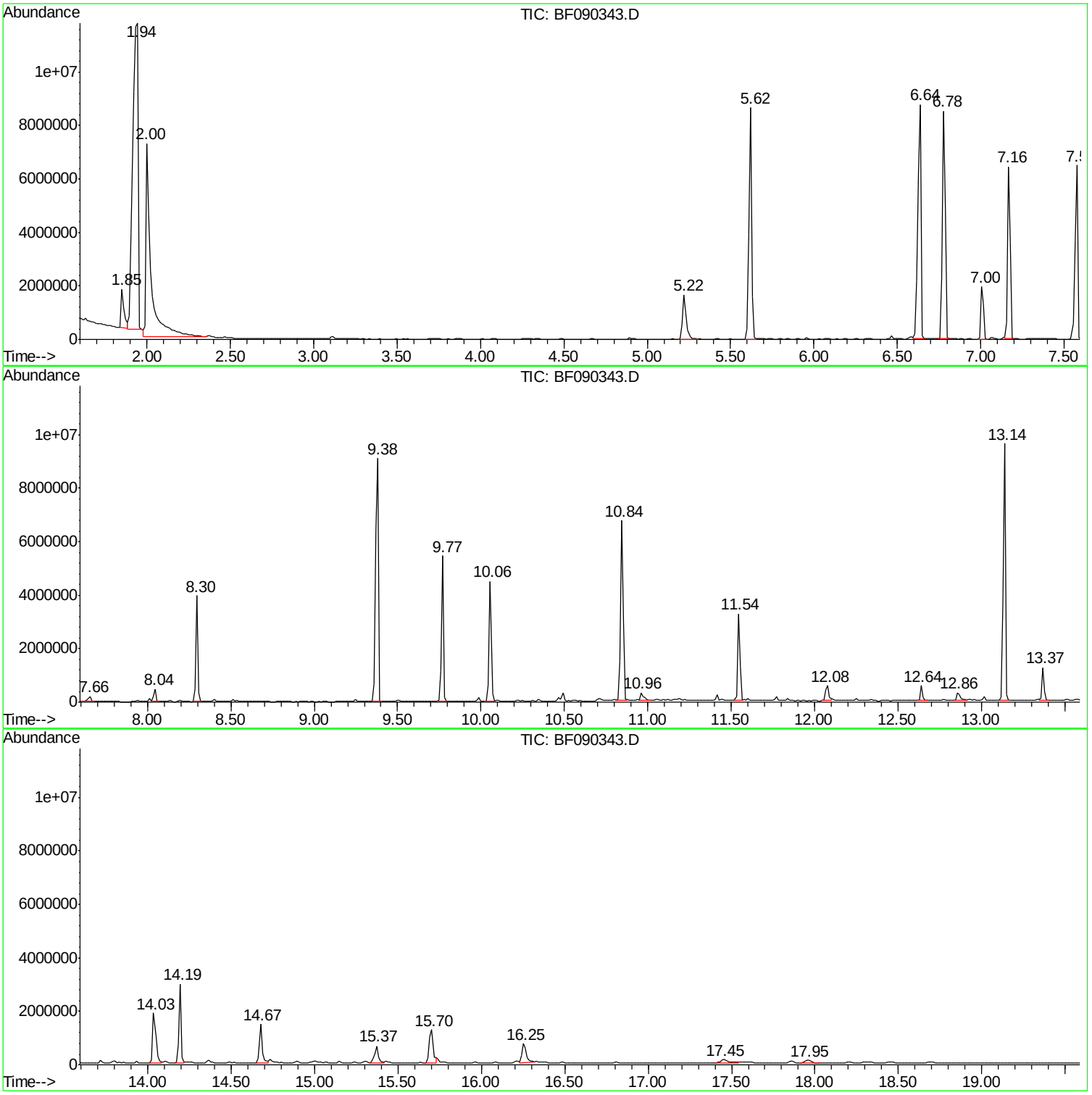
Sum of corrected areas: 152771782

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.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\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

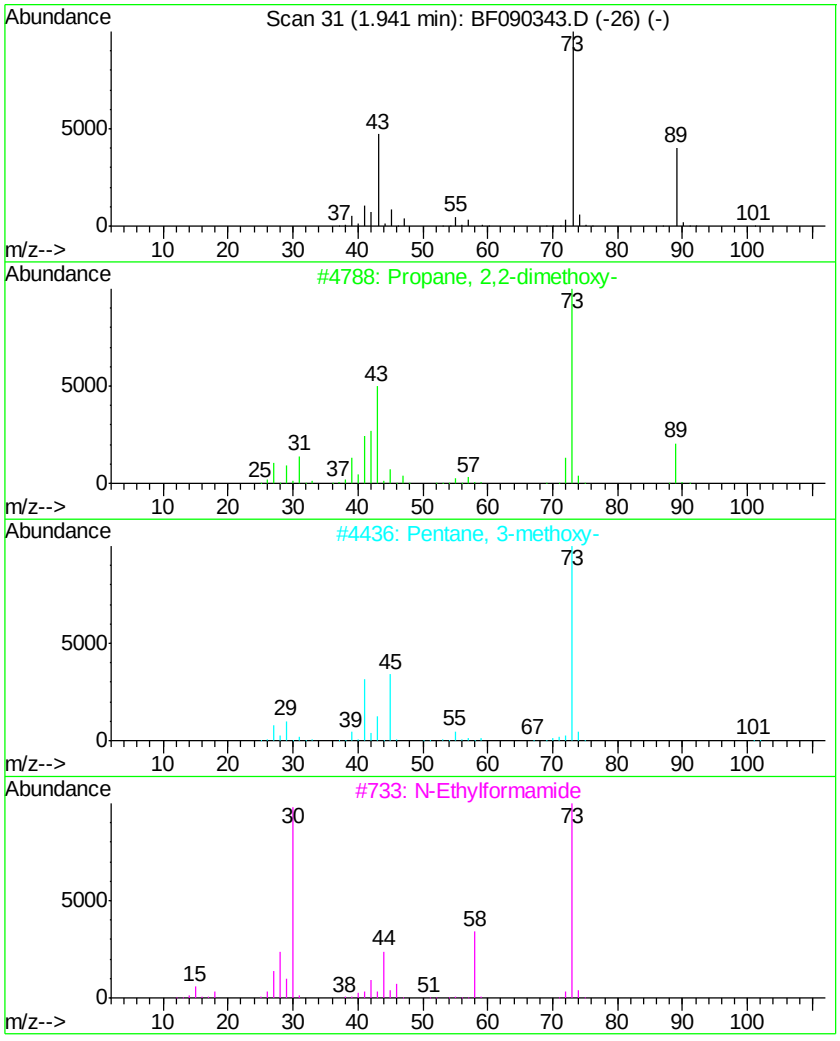
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

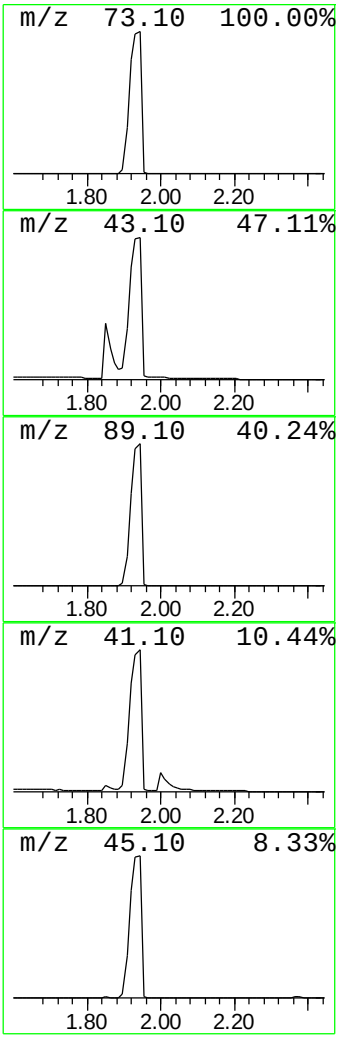
**********

Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.94 | 214.25 ng | 24598300 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 72 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9 |
| 5 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

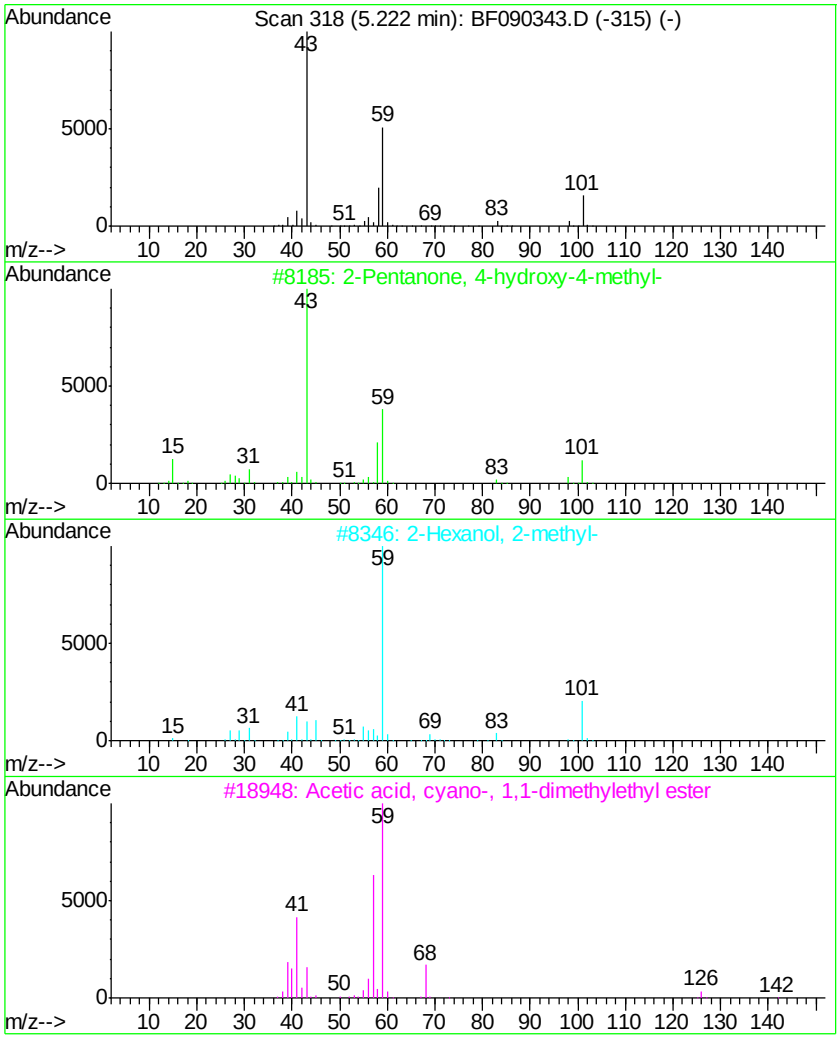
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

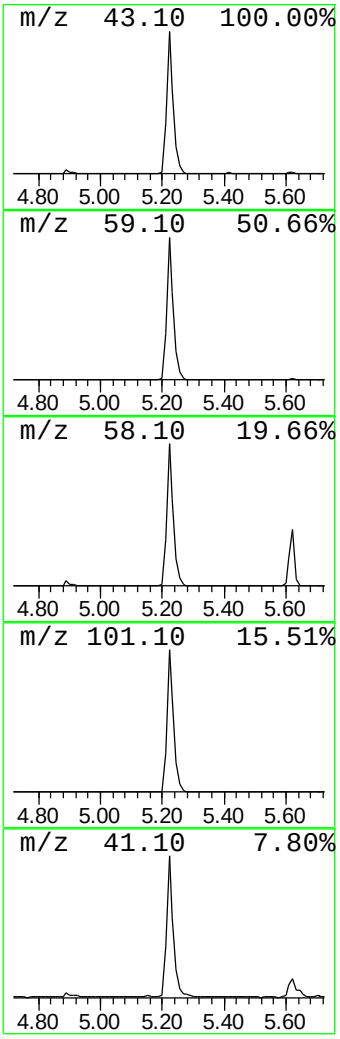
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.22 | 21.98 ng | 2524100 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 83 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 12 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

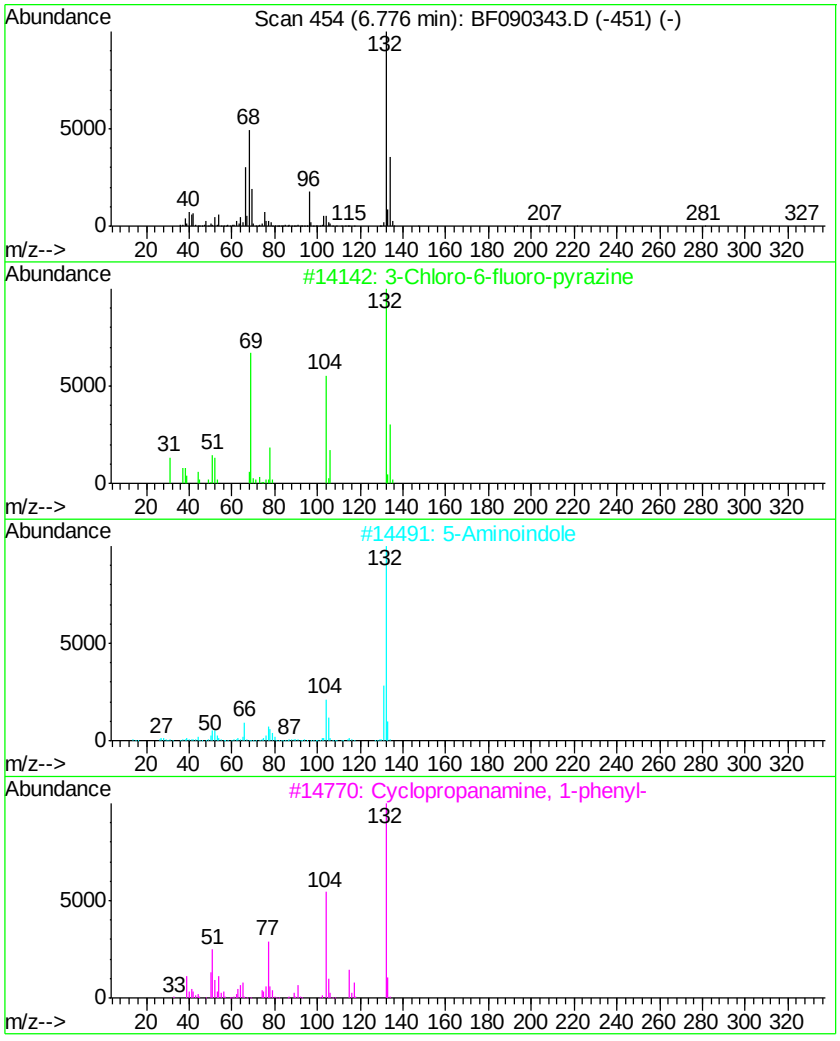
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

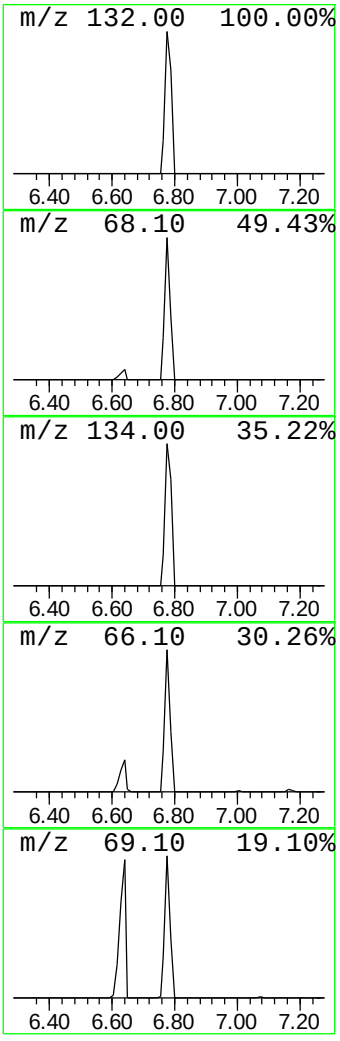
**********

Peak Number 5 unknown6.78 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.78 | 94.07 ng | 10801000 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 9 |
| 4 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

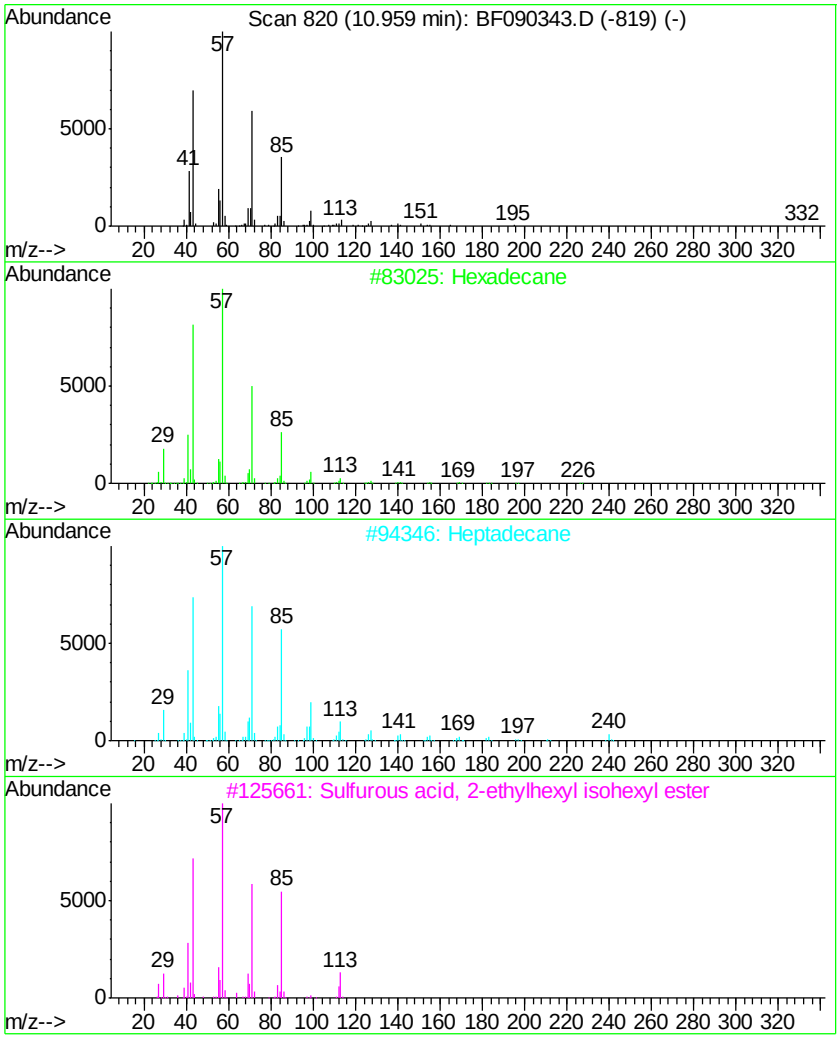
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

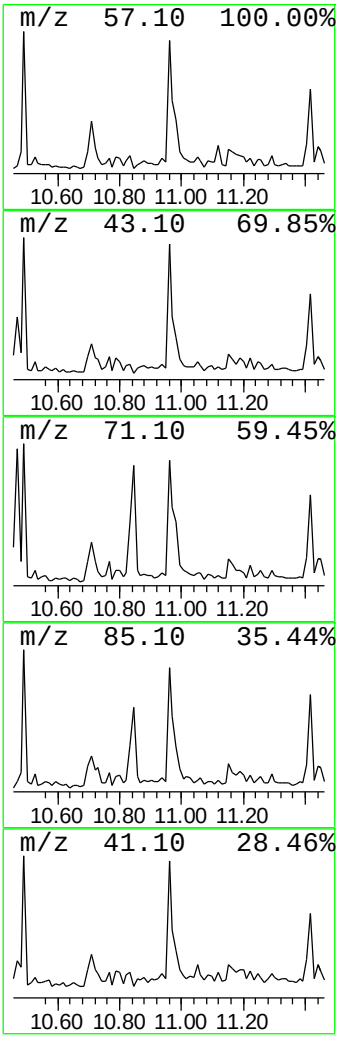
**********

Peak Number 8 Hexadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.96 | 2.41 ng | 386466 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |
| 3 | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 78 |
| 4 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 72 |
| 5 | Undecane, 6-ethyl- | 184 | C13H28 | 017312-60-6 | 72 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

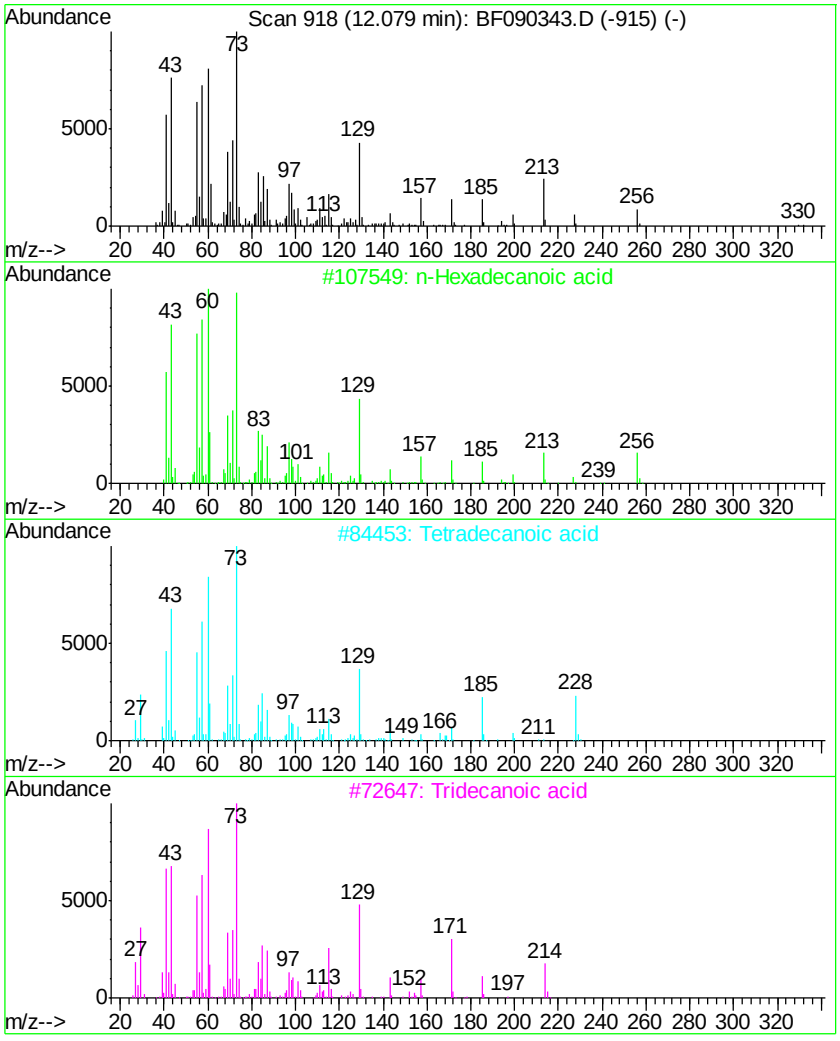
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

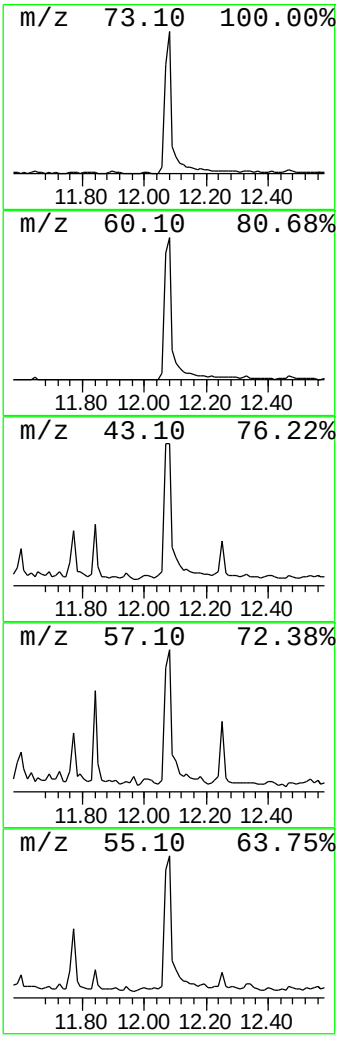
**********

Peak Number 9 n-Hexadecanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.08 | 5.10 ng | 817708 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 94 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 86 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

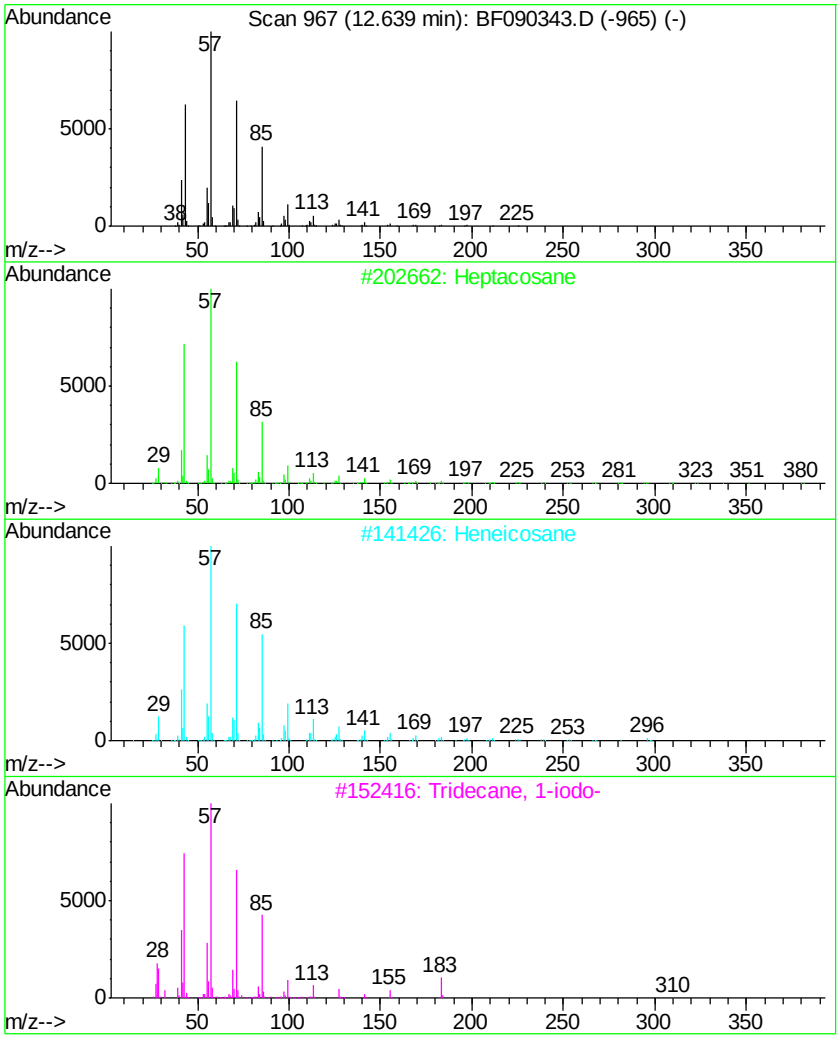
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

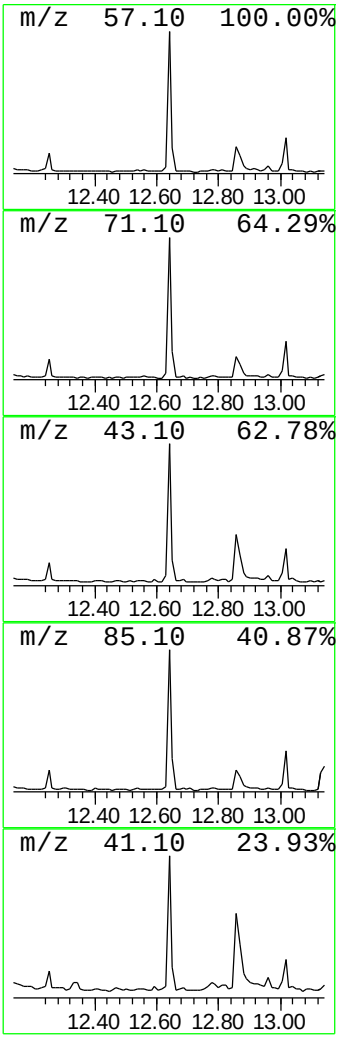
**********

Peak Number 10 Heptacosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.64 | 3.04 ng | 487074 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 86 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 86 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

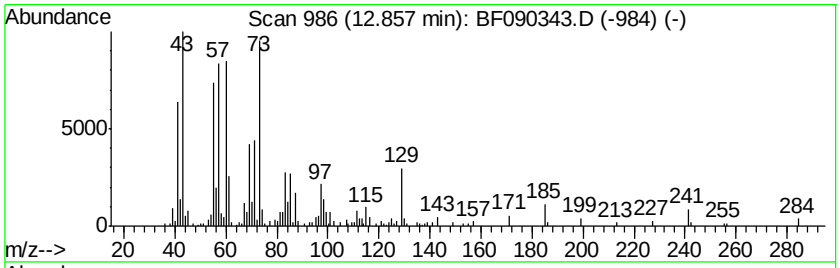
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

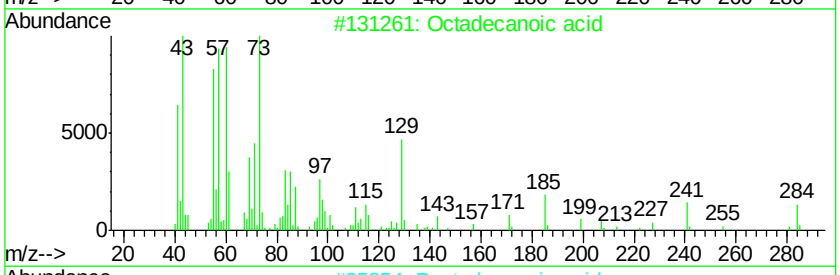
**********

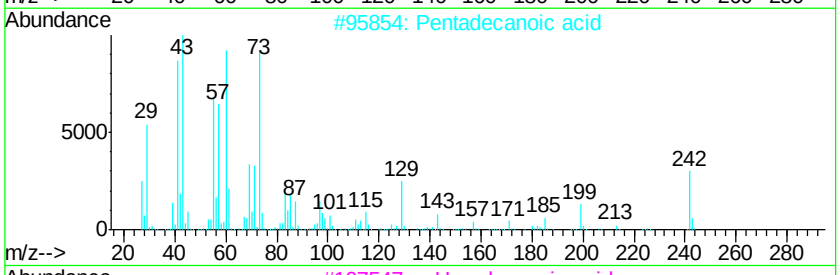
Peak Number 11 Octadecanoic acid Concentration Rank 15

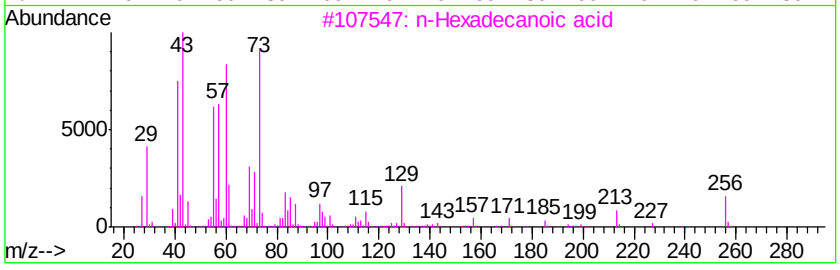
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.86 | 2.85 ng | 457592 | Phenanthrene-d10 | 11.54 |

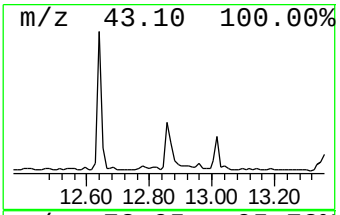
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 5 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 25 |

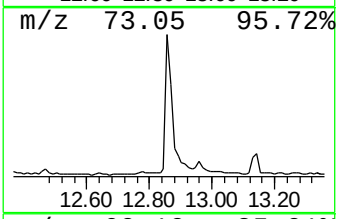


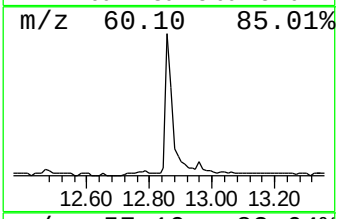



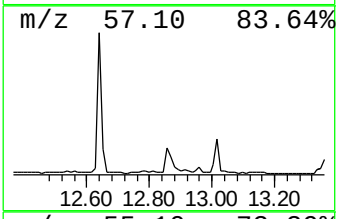



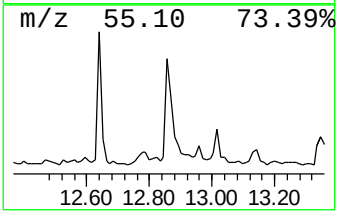



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

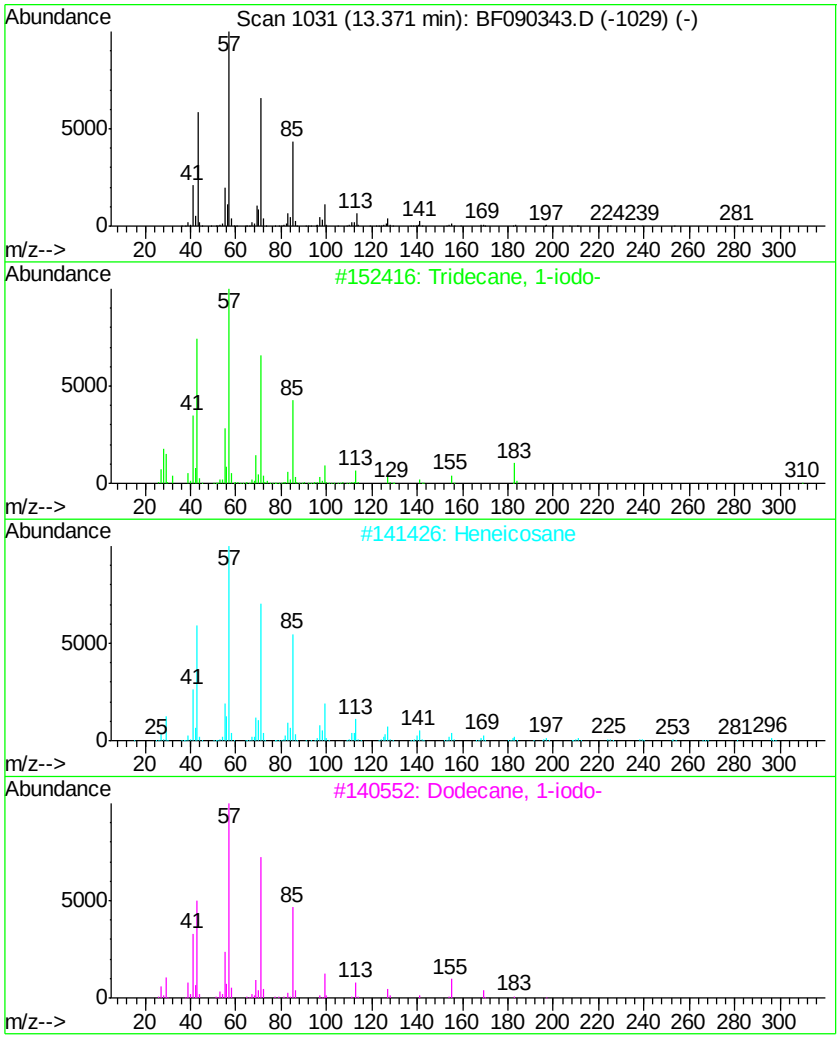
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

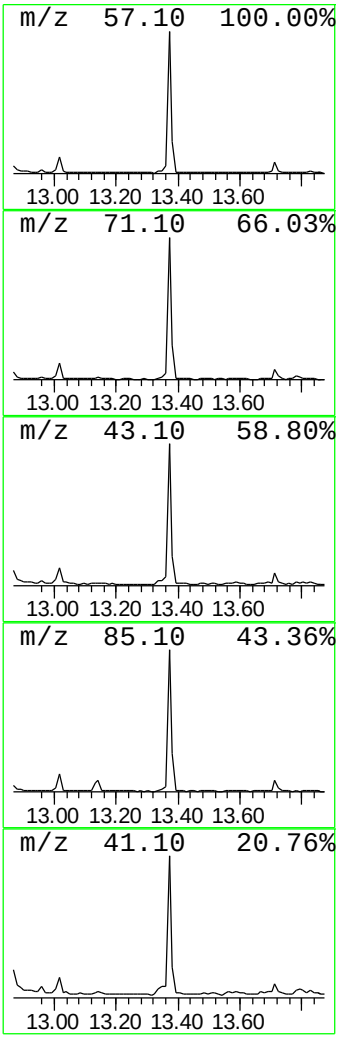
**********

Peak Number 12 Tridecane, 1-iodo- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.37 | 8.19 ng | 1088620 | Chrysene-d12 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 78 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

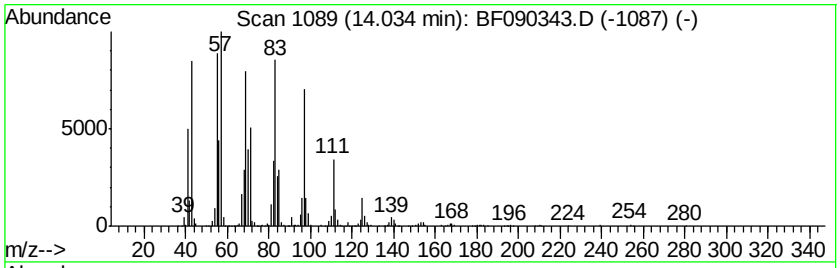
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

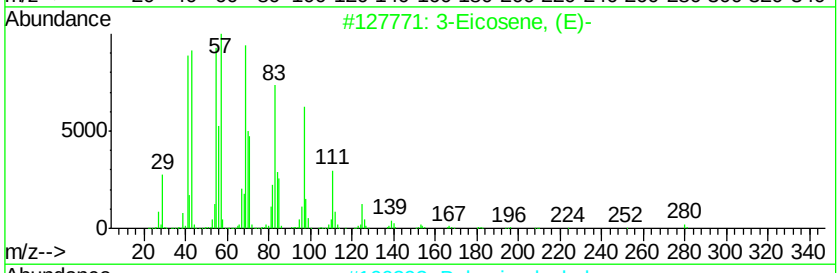
**********

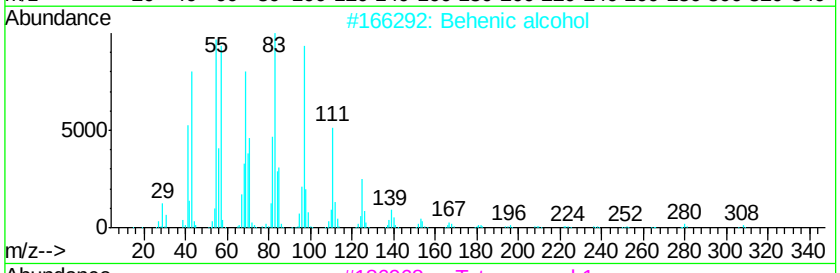
Peak Number 13 3-Eicosene, (E)- Concentration Rank 6

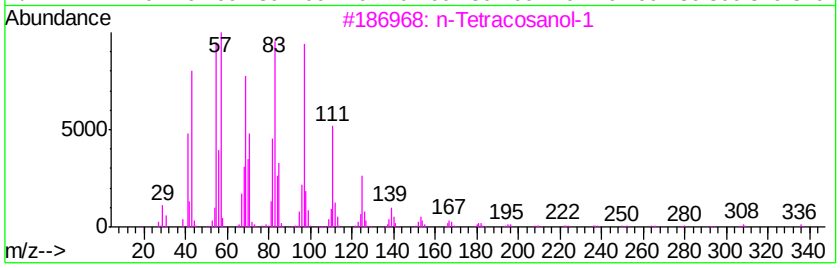
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.03 | 17.39 ng | 2309700 | Chrysene-d12 | 14.19 |

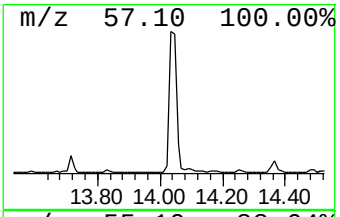
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 94 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 4 | 2- Chloropropionic acid, pentade... | 318 | C18H35ClO2 | 1000292-44-1 | 91 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |

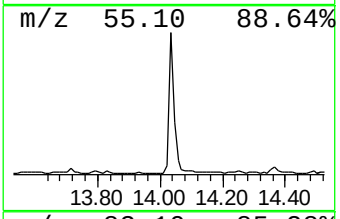


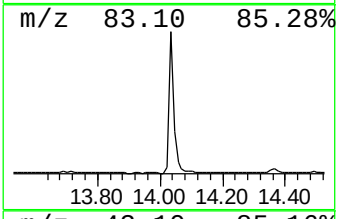



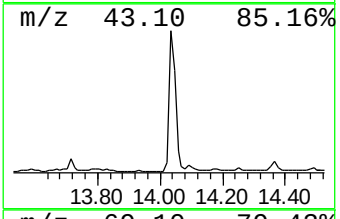



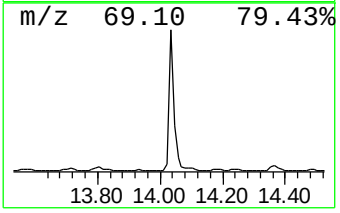



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

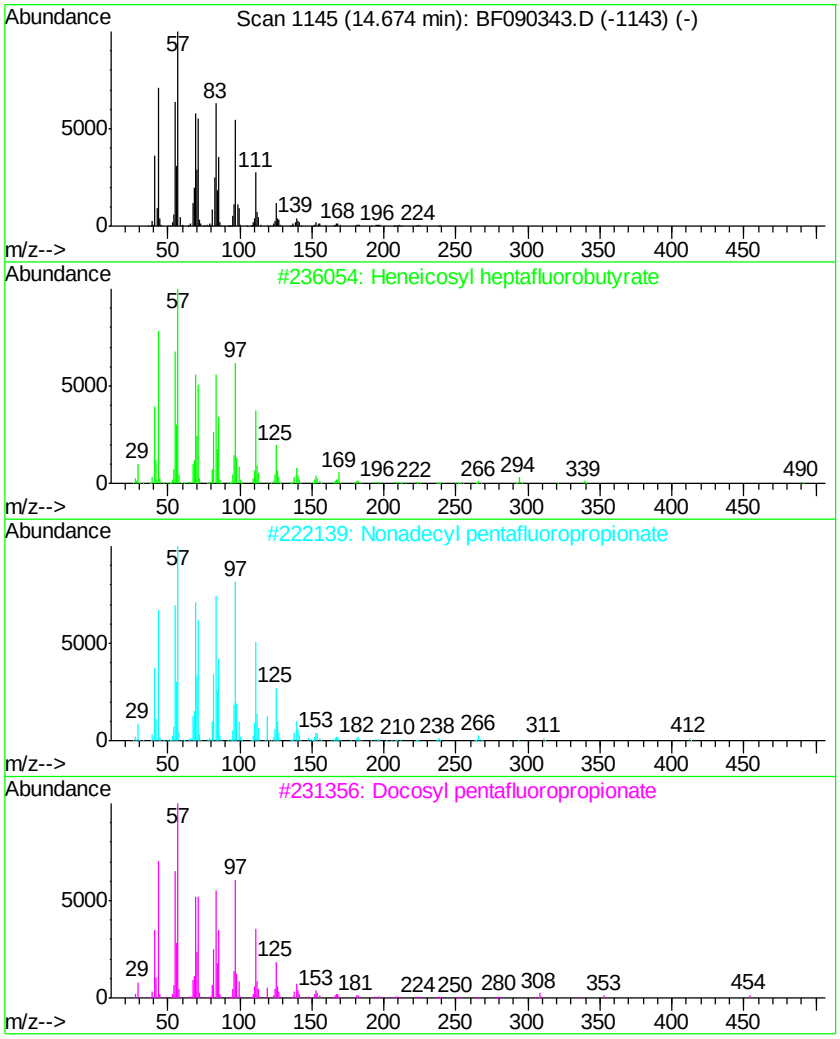
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

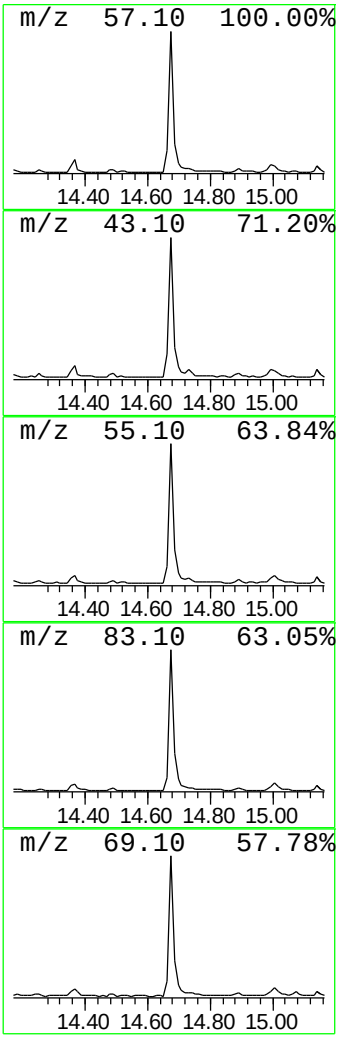
**********

Peak Number 14 Heneicosyl heptafluorobutyrate Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.67 | 11.08 ng | 1471450 | Chrysene-d12 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosyl heptafluorobutyrate | 508 | C25H43F7O2 | 1000351-83-8 | 91 |
| 2 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |
| 3 | Docosyl pentafluoropropionate | 472 | C25H45F5O2 | 1000351-80-9 | 91 |
| 4 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 90 |
| 5 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 87 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

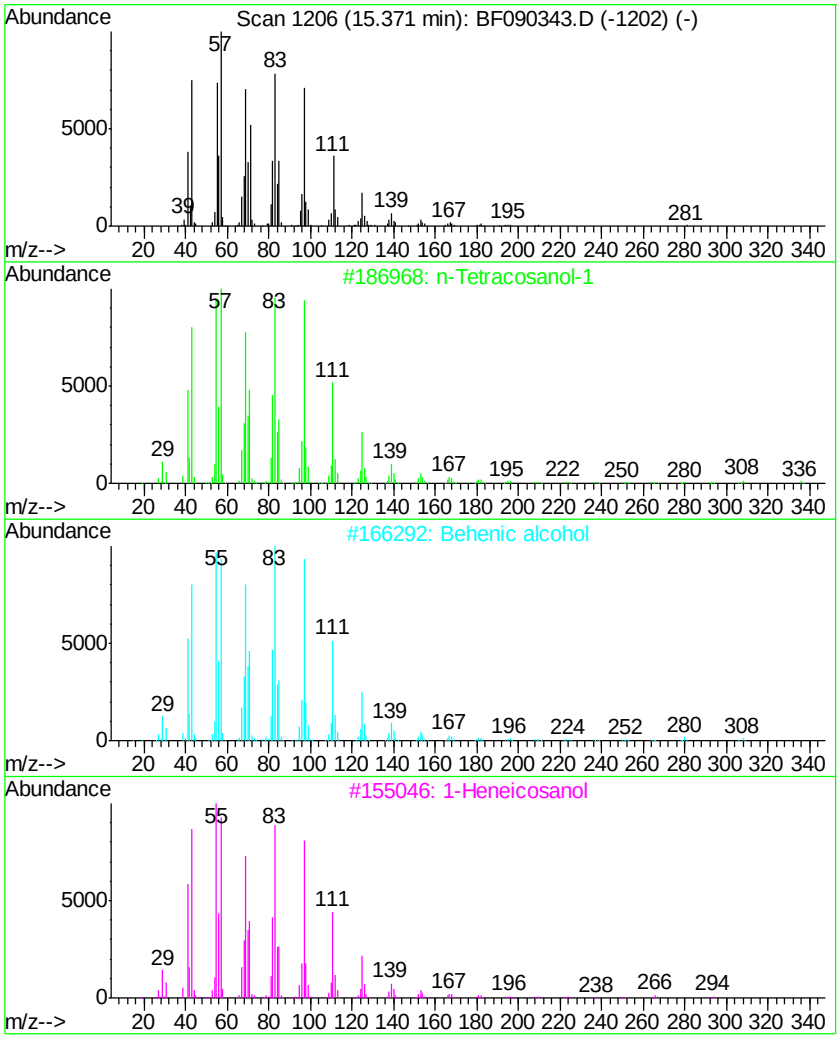
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

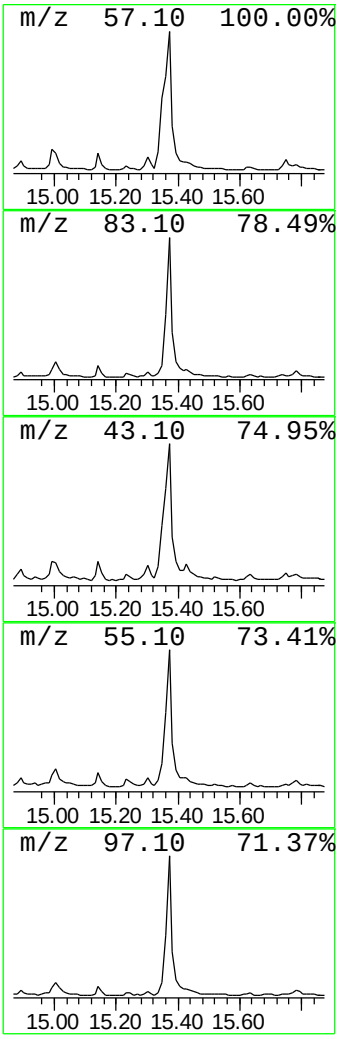
**********

Peak Number 15 n-Tetracosanol-1 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.37 | 10.78 ng | 1028600 | Perylene-d12 | 15.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 5 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

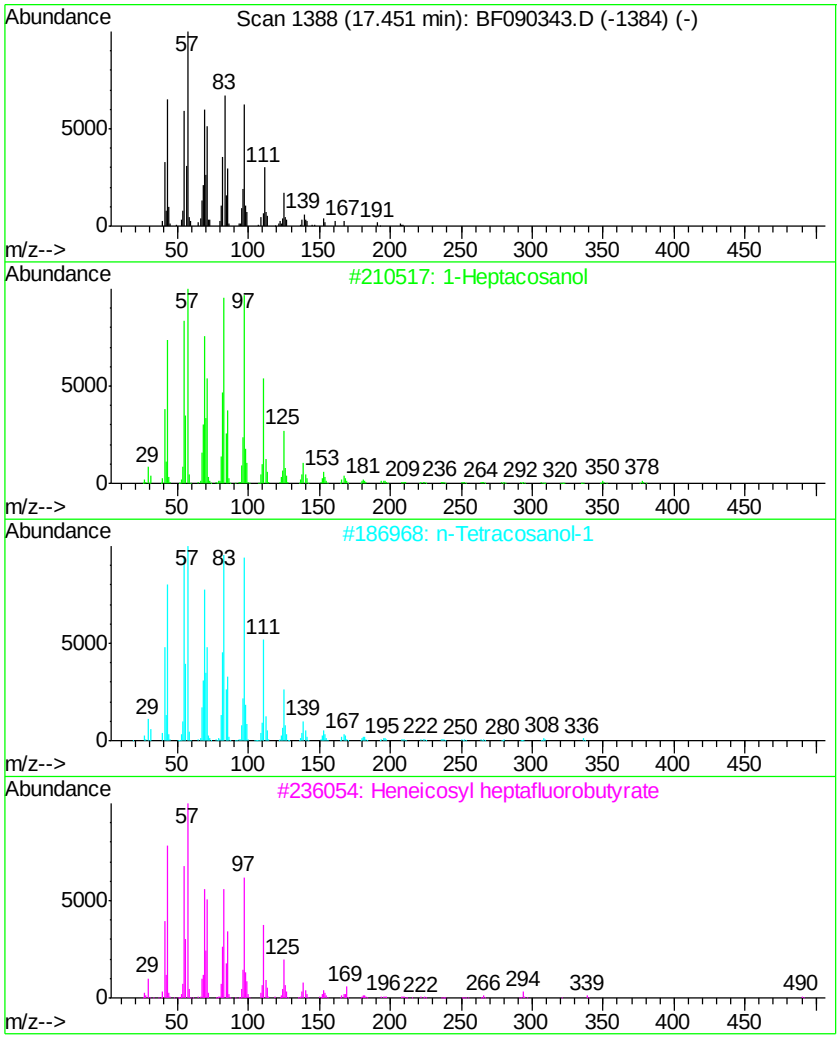
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

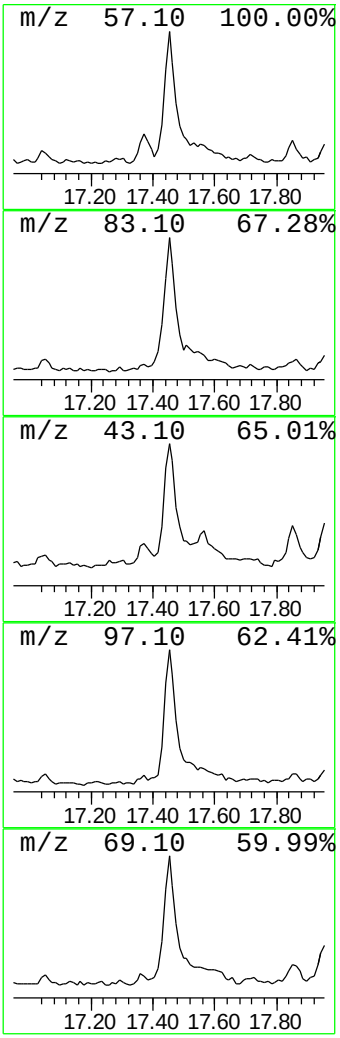
**********

Peak Number 17 1-Heptacosanol Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.45 | 3.99 ng | 380294 | Perylene-d12 | 15.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 93 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |
| 3 | Heneicosyl heptafluorobutyrate | 508 | C25H43F7O2 | 1000351-83-8 | 91 |
| 4 | Docosyl pentafluoropropionate | 472 | C25H45F5O2 | 1000351-80-9 | 91 |
| 5 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

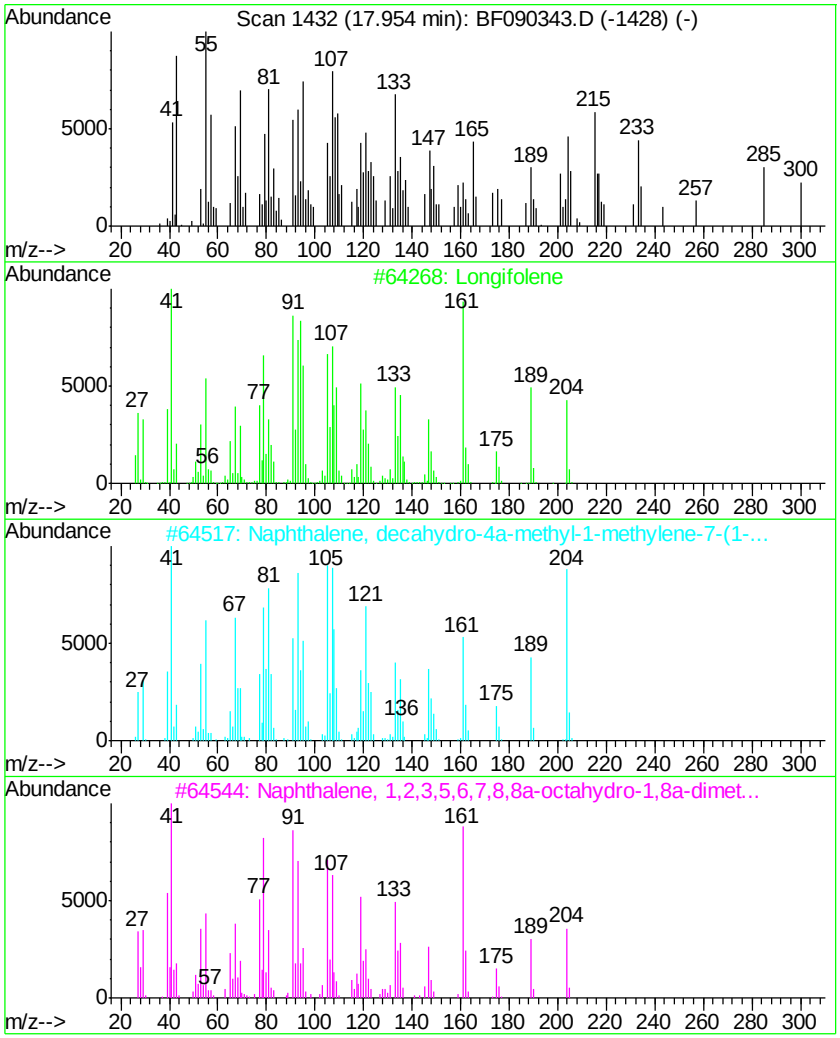
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

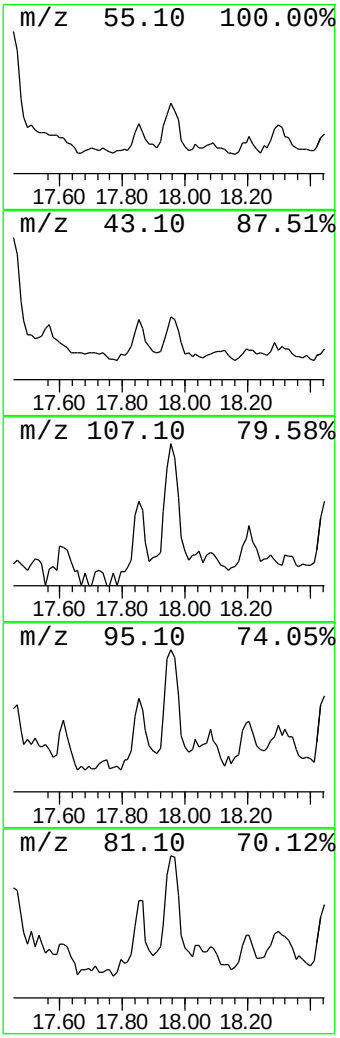
**********

Peak Number 18 Longifolene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.95 | 2.74 ng | 261305 | Perylene-d12 | 15.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Longifolene | 204 | C15H24 | 000475-20-7 | 70 |
| 2 | Naphthalene, decahydro-4a-methyl... | 204 | C15H24 | 017066-67-0 | 55 |
| 3 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 004630-07-3 | 30 |
| 4 | Azulene, 1,2,3,5,6,7,8,8a-octahy... | 204 | C15H24 | 003691-11-0 | 25 |
| 5 | Isocaryophillene | 204 | C15H24 | 1000140-07-2 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090343.D
Acq On : 4 Oct 2016 14:45
Operator : UM/SJ
Sample : H4998-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B057-6-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.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, 2,2-dime... | 1.94 | 214.3 | ng | 24598300 | 1 | 7.00 | 2296260 | 20.0 |
| 2-Pentanone, 4-hy... | 5.22 | 22.0 | ng | 2524100 | 1 | 7.00 | 2296260 | 20.0 |
| unknown6.78 | 6.78 | 94.1 | ng | 10801000 | 1 | 7.00 | 2296260 | 20.0 |
| Hexadecane | 10.96 | 2.4 | ng | 386466 | 4 | 11.54 | 3208700 | 20.0 |
| n-Hexadecanoic acid | 12.08 | 5.1 | ng | 817708 | 4 | 11.54 | 3208700 | 20.0 |
| Heptacosane | 12.64 | 3.0 | ng | 487074 | 4 | 11.54 | 3208700 | 20.0 |
| Octadecanoic acid | 12.86 | 2.9 | ng | 457592 | 4 | 11.54 | 3208700 | 20.0 |
| Tridecane, 1-iodo- | 13.37 | 8.2 | ng | 1088620 | 5 | 14.19 | 2657120 | 20.0 |
| 3-Eicosene, (E)- | 14.03 | 17.4 | ng | 2309700 | 5 | 14.19 | 2657120 | 20.0 |
| Heneicosyl heptaf... | 14.67 | 11.1 | ng | 1471450 | 5 | 14.19 | 2657120 | 20.0 |
| n-Tetracosanol-1 | 15.37 | 10.8 | ng | 1028600 | 6 | 15.70 | 1907940 | 20.0 |
| 1-Heptacosanol | 17.45 | 4.0 | ng | 380294 | 6 | 15.70 | 1907940 | 20.0 |
| Longifolene | 17.95 | 2.7 | ng | 261305 | 6 | 15.70 | 1907940 | 20.0 |