LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

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-BF030316.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 | 5.178 | 251 | 253 | 260 | rVB | 667222 | 1125387 | 23.51% | 2.683% |
| 2 | 5.578 | 285 | 288 | 291 | rBV | 3181874 | 4435693 | 92.65% | 10.574% |
| 3 | 6.596 | 373 | 377 | 379 | rBV | 3563437 | 4029847 | 84.17% | 9.606% |
| 4 | 6.744 | 386 | 390 | 392 | rBV | 3252055 | 4757000 | 99.36% | 11.339% |
| 5 | 6.973 | 407 | 410 | 412 | rVB | 837762 | 908774 | 18.98% | 2.166% |
| 6 | 7.133 | 421 | 424 | 426 | rVB | 2622614 | 3649983 | 76.24% | 8.701% |
| 7 | 7.533 | 456 | 459 | 461 | rBV | 2811359 | 3051391 | 63.73% | 7.274% |
| 8 | 7.602 | 461 | 465 | 468 | rVB | 53582 | 67024 | 1.40% | 0.160% |
| 9 | 8.253 | 519 | 522 | 524 | rBV | 1425865 | 1262768 | 26.37% | 3.010% |
| 10 | 9.327 | 613 | 616 | 619 | rBV | 3762677 | 4787750 | 100.00% | 11.413% |
| 11 | 9.716 | 648 | 650 | 652 | rBV | 475491 | 545619 | 11.40% | 1.301% |
| 12 | 9.933 | 668 | 669 | 671 | rVB | 81745 | 93969 | 1.96% | 0.224% |
| 13 | 10.013 | 673 | 676 | 678 | rVB | 1356549 | 1376442 | 28.75% | 3.281% |
| 14 | 10.436 | 712 | 713 | 715 | rVB | 184784 | 143920 | 3.01% | 0.343% |
| 15 | 10.653 | 729 | 732 | 736 | rBV | 50932 | 99679 | 2.08% | 0.238% |
| 16 | 10.802 | 741 | 745 | 747 | rBV | 2978633 | 3243004 | 67.74% | 7.730% |
| 17 | 10.905 | 752 | 754 | 759 | rVB | 118341 | 201634 | 4.21% | 0.481% |
| 18 | 11.362 | 792 | 794 | 795 | rBV | 79200 | 83648 | 1.75% | 0.199% |
| 19 | 11.499 | 803 | 806 | 808 | rBV | 1244567 | 1384763 | 28.92% | 3.301% |
| 20 | 11.556 | 808 | 811 | 814 | rVB2 | 24709 | 48880 | 1.02% | 0.117% |
| 21 | 12.013 | 848 | 851 | 853 | rBV | 75467 | 75606 | 1.58% | 0.180% |
| 22 | 13.088 | 942 | 945 | 947 | rBV | 3230911 | 4479280 | 93.56% | 10.677% |
| 23 | 13.968 | 1019 | 1022 | 1030 | rBV | 131739 | 160141 | 3.34% | 0.382% |
| 24 | 14.128 | 1034 | 1036 | 1039 | rVB | 1182275 | 1073454 | 22.42% | 2.559% |
| 25 | 14.882 | 1100 | 1102 | 1106 | rVB3 | 34651 | 49220 | 1.03% | 0.117% |
| 26 | 14.974 | 1108 | 1110 | 1113 | rBV | 37013 | 54415 | 1.14% | 0.130% |
| 27 | 15.602 | 1162 | 1165 | 1171 | rBV | 544362 | 761679 | 15.91% | 1.816% |

Sum of corrected areas: 41950970

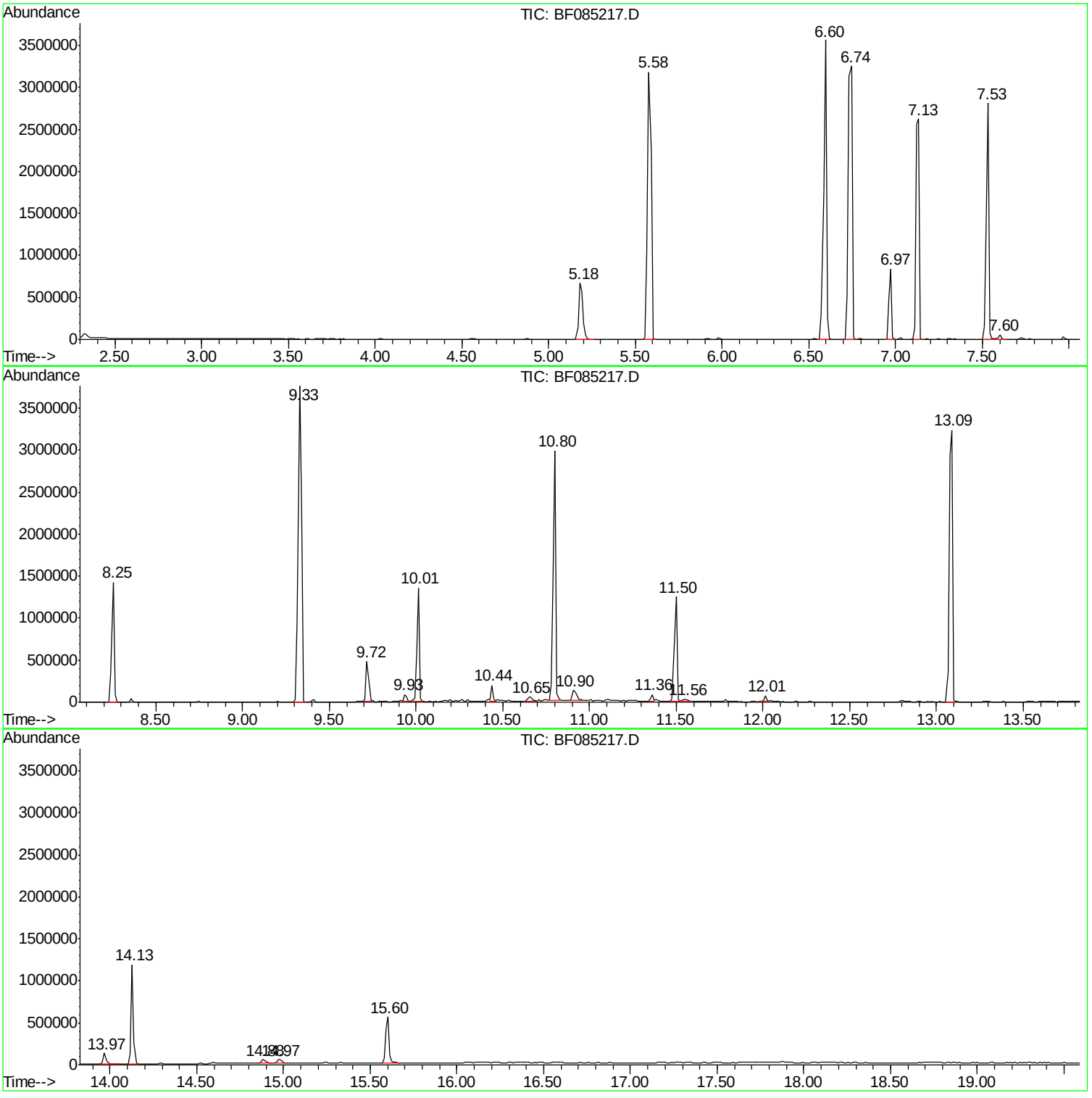
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

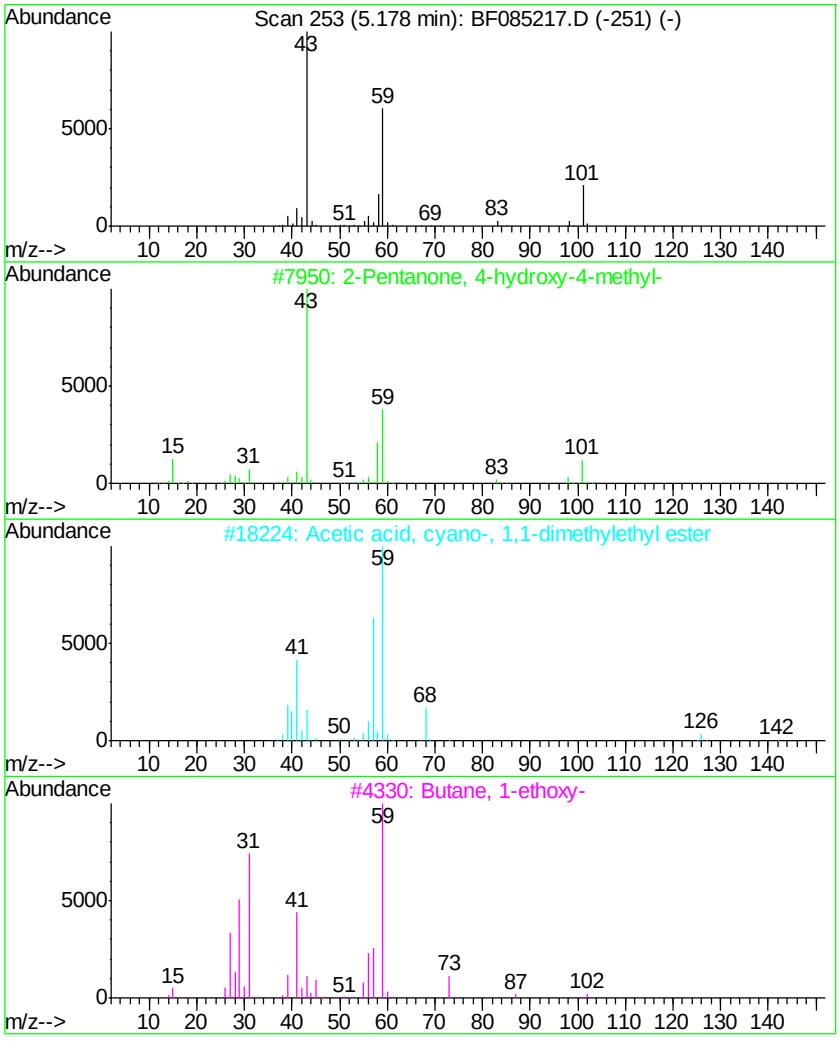
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

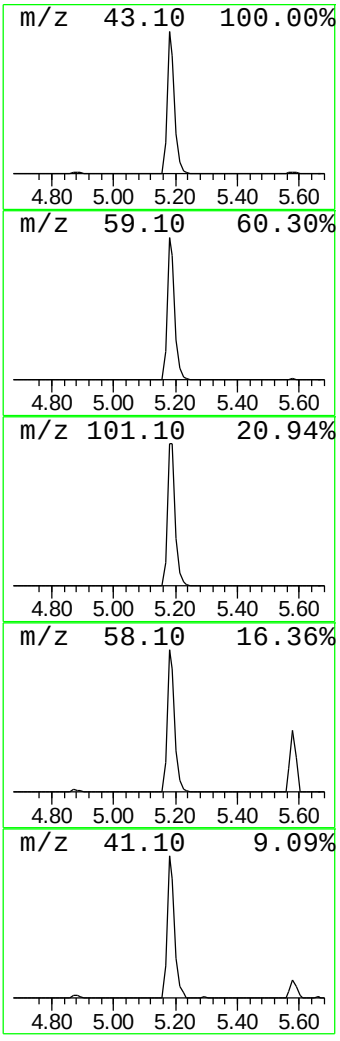
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.18 | 24.77 ng | 1125390 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

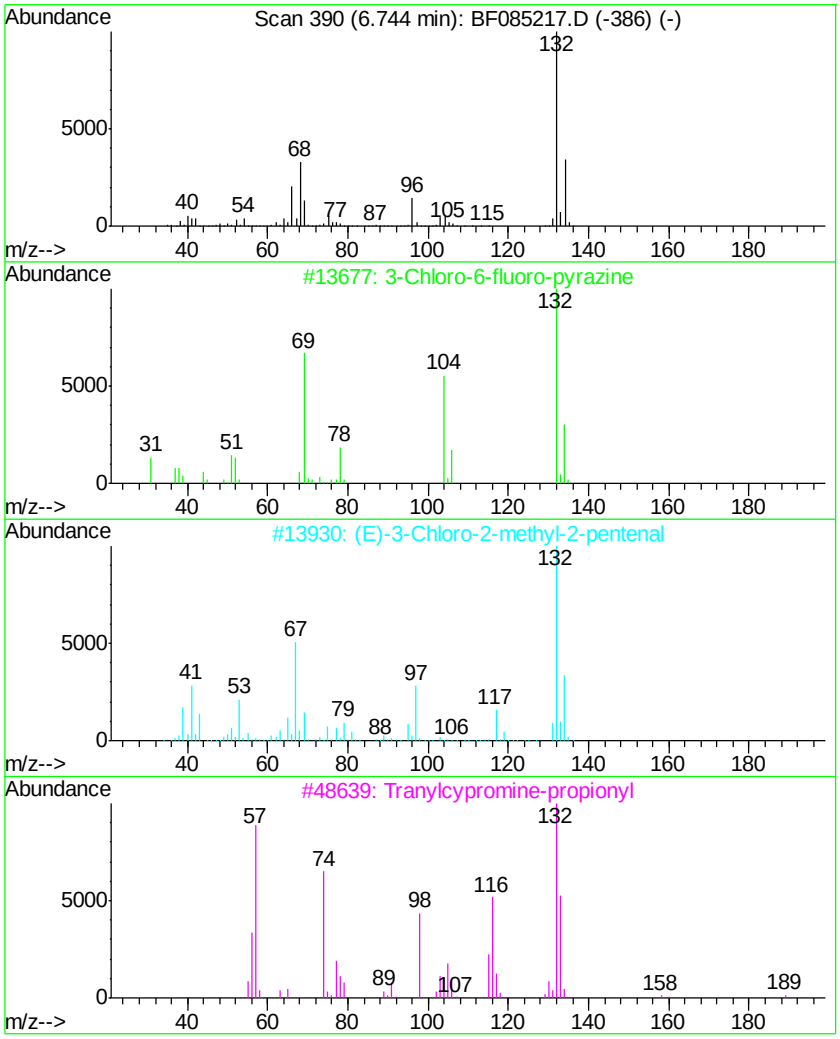
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

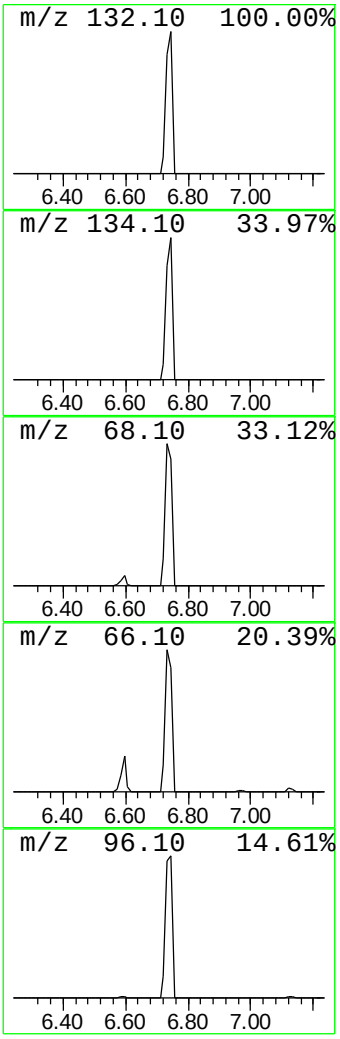
**********

Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.74 | 104.69 ng | 4757000 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

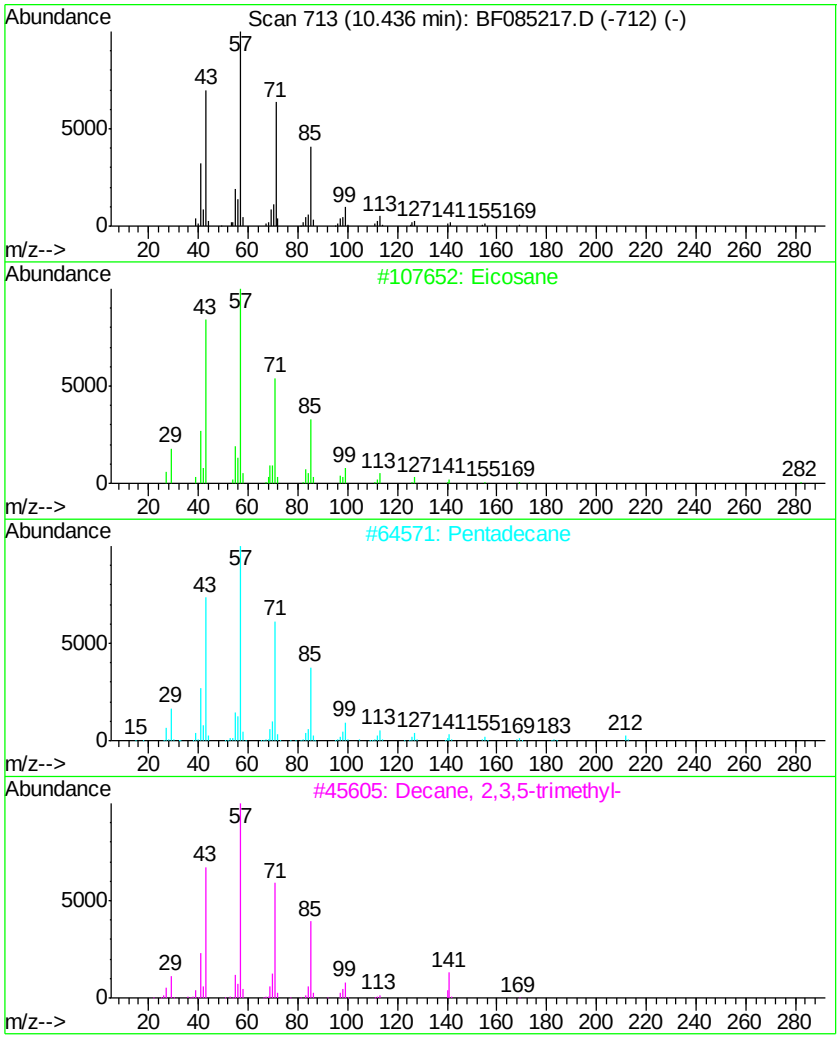
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

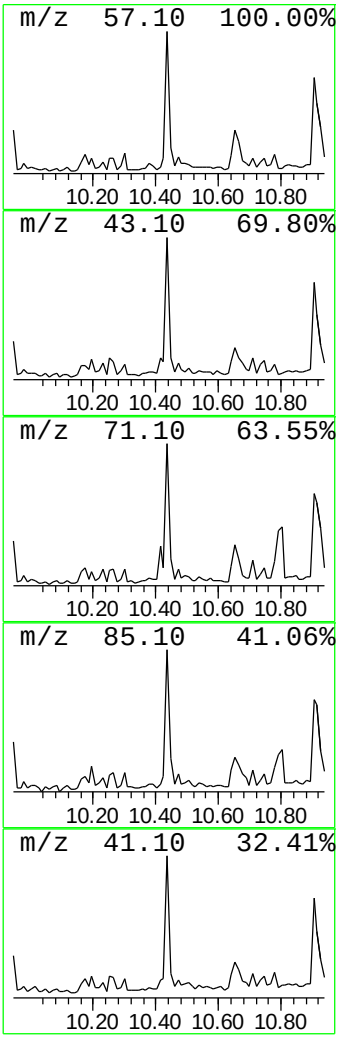
**********

Peak Number 4 Eicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.44 | 2.09 ng | 143920 | Acenaphthene-d10 | 10.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

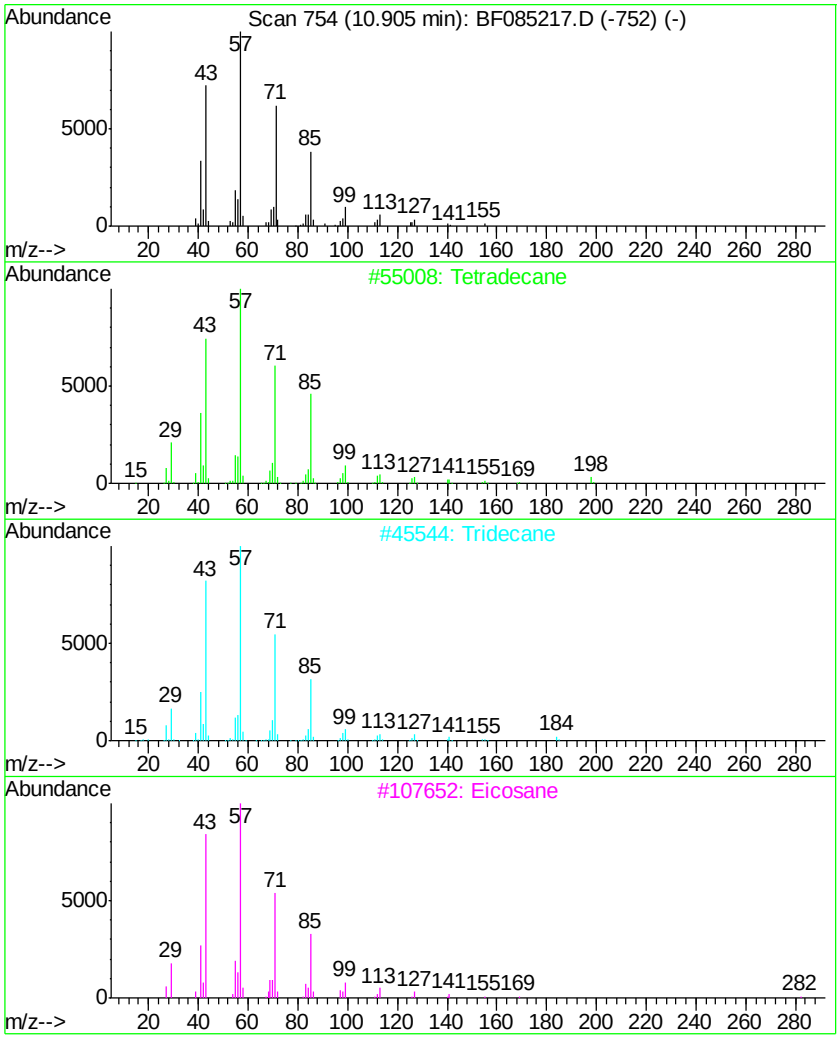
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

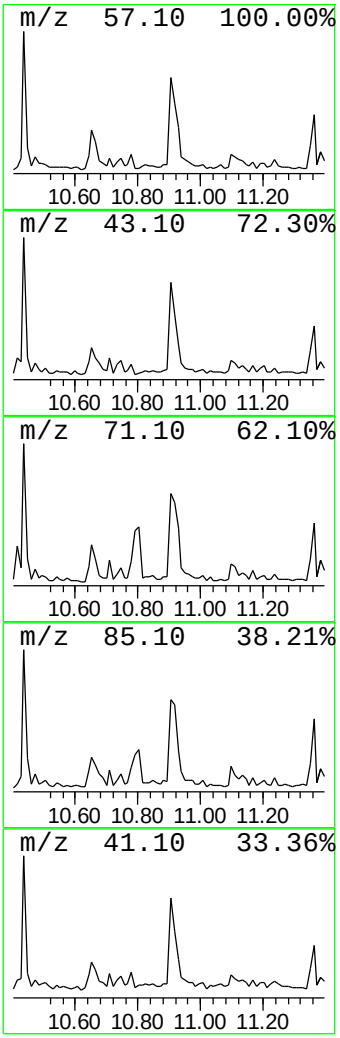
**********

Peak Number 5 Tetradecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.90 | 2.91 ng | 201634 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

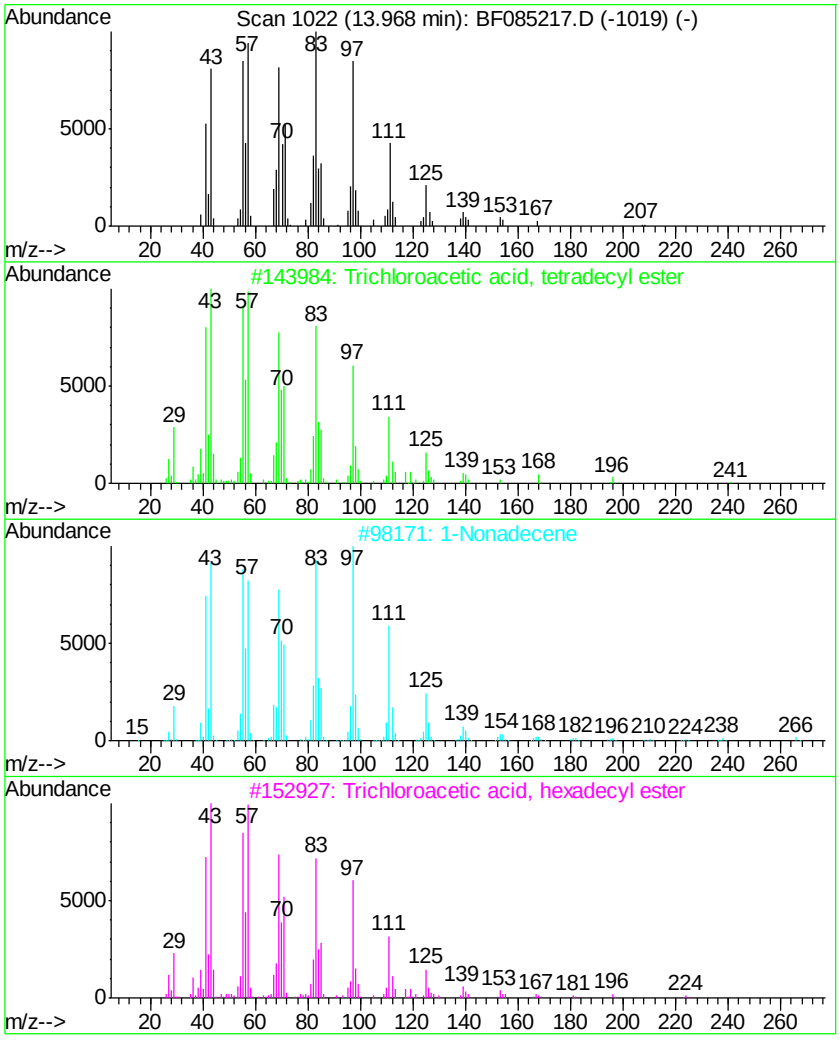
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

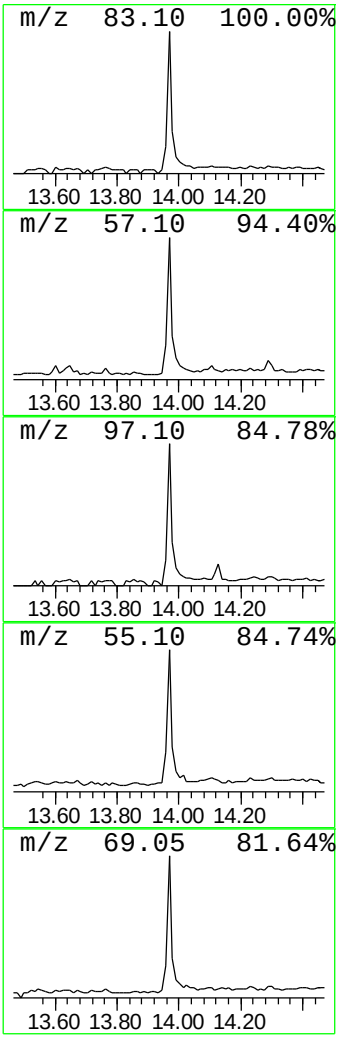
**********

Peak Number 6 Trichloroacetic acid, tetra... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 2.98 ng | 160141 | Chrysene-d12 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
Data File : BF085217.D
Acq On : 4 Mar 2016 22:01
Operator : SJ/IZ
Sample : H1684-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RW-48-S2-GRID-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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... | 5.18 | 24.8 | ng | 1125390 | 1 | 6.97 | 908774 | 20.0 |
| unknown6.74 | 6.74 | 104.7 | ng | 4757000 | 1 | 6.97 | 908774 | 20.0 |
| Eicosane | 10.44 | 2.1 | ng | 143920 | 3 | 10.01 | 1376440 | 20.0 |
| Tetradecane | 10.90 | 2.9 | ng | 201634 | 4 | 11.50 | 1384760 | 20.0 |
| Trichloroacetic a... | 13.97 | 3.0 | ng | 160141 | 5 | 14.13 | 1073450 | 20.0 |