LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

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-BF121115.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 | 2.133 | 3 | 4 | 7 | rVB | 143564 | 155277 | 3.73% | 0.442% |
| 2 | 2.235 | 11 | 13 | 22 | rVB2 | 46687 | 94314 | 2.27% | 0.269% |
| 3 | 5.116 | 262 | 265 | 270 | rBV | 721651 | 1073562 | 25.81% | 3.059% |
| 4 | 5.527 | 298 | 301 | 304 | rBV | 2464536 | 3643874 | 87.62% | 10.382% |
| 5 | 5.927 | 334 | 336 | 339 | rVB | 30299 | 41659 | 1.00% | 0.119% |
| 6 | 6.544 | 387 | 390 | 393 | rBV | 2671190 | 3319299 | 79.81% | 9.457% |
| 7 | 6.693 | 400 | 403 | 405 | rBV | 3435984 | 3715280 | 89.34% | 10.586% |
| 8 | 6.922 | 421 | 423 | 425 | rBV | 954623 | 801260 | 19.27% | 2.283% |
| 9 | 7.082 | 434 | 437 | 439 | rVB | 3100239 | 2825502 | 67.94% | 8.050% |
| 10 | 7.482 | 469 | 472 | 474 | rBV | 2223673 | 2223803 | 53.47% | 6.336% |
| 11 | 7.562 | 474 | 479 | 485 | rVB | 39874 | 57413 | 1.38% | 0.164% |
| 12 | 8.202 | 533 | 535 | 538 | rBV | 831170 | 1044921 | 25.13% | 2.977% |
| 13 | 9.288 | 627 | 630 | 632 | rVB | 3692772 | 4158816 | 100.00% | 11.849% |
| 14 | 9.676 | 661 | 664 | 666 | rBV | 954437 | 831657 | 20.00% | 2.370% |
| 15 | 9.905 | 681 | 684 | 686 | rBV | 84016 | 77711 | 1.87% | 0.221% |
| 16 | 9.962 | 686 | 689 | 691 | rBV | 1254759 | 1183322 | 28.45% | 3.372% |
| 17 | 10.396 | 726 | 727 | 729 | rVB | 96581 | 104252 | 2.51% | 0.297% |
| 18 | 10.625 | 744 | 747 | 750 | rBV | 40296 | 72296 | 1.74% | 0.206% |
| 19 | 10.739 | 755 | 757 | 760 | rVV2 | 1910719 | 2559524 | 61.54% | 7.293% |
| 20 | 10.876 | 766 | 769 | 775 | rVB | 102337 | 159810 | 3.84% | 0.455% |
| 21 | 11.322 | 806 | 808 | 809 | rBV | 72370 | 72458 | 1.74% | 0.206% |
| 22 | 11.436 | 816 | 818 | 821 | rBV | 1285454 | 1149979 | 27.65% | 3.277% |
| 23 | 11.493 | 822 | 823 | 826 | rVV | 31189 | 44783 | 1.08% | 0.128% |
| 24 | 11.962 | 863 | 864 | 866 | rVB | 37238 | 42281 | 1.02% | 0.120% |
| 25 | 13.025 | 954 | 957 | 959 | rBV | 4165720 | 3933562 | 94.58% | 11.208% |
| 26 | 14.065 | 1045 | 1048 | 1050 | rBV | 1176805 | 1067791 | 25.68% | 3.042% |
| 27 | 15.505 | 1171 | 1174 | 1177 | rBV | 533071 | 642993 | 15.46% | 1.832% |

Sum of corrected areas: 35097399

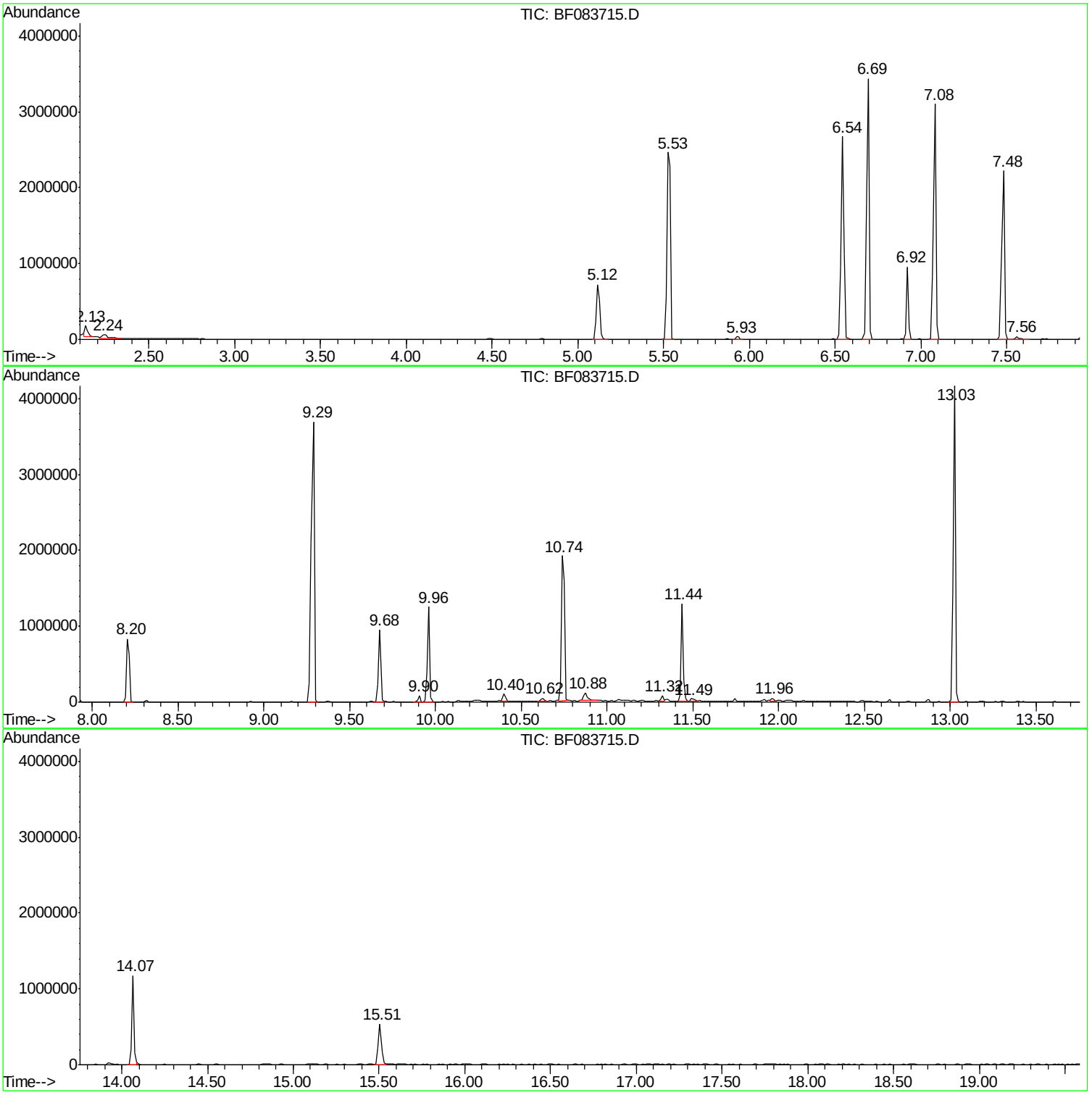
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.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\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

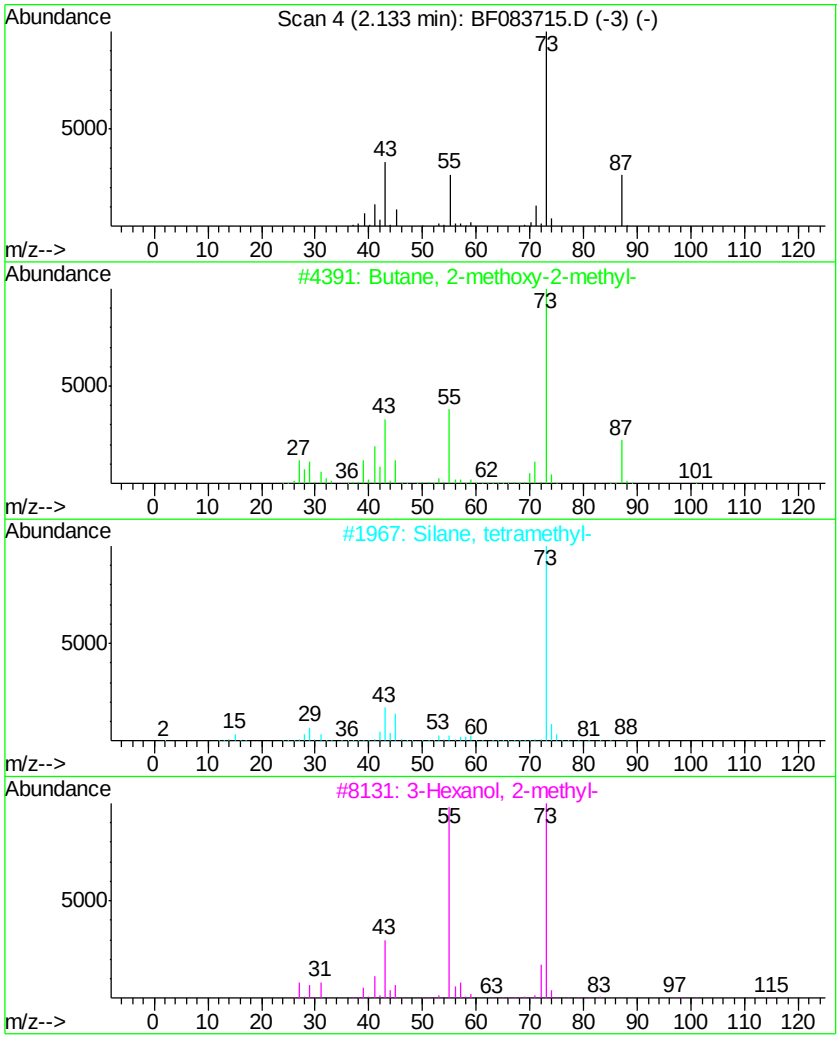
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

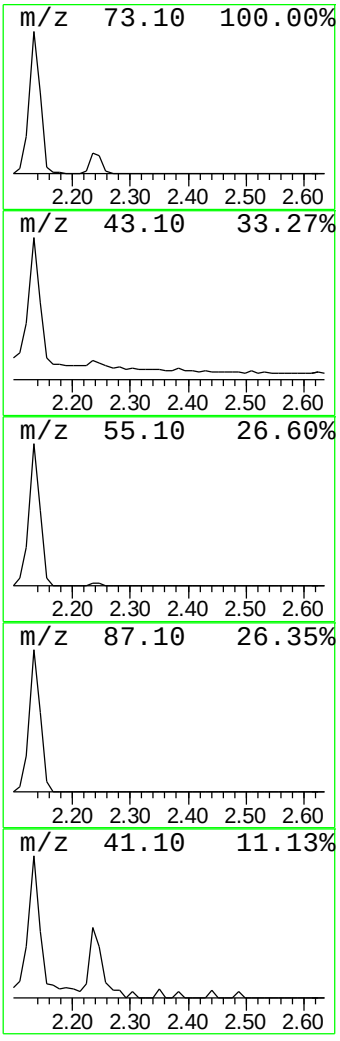
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.13 | 3.88 ng | 155277 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |
| 3 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 4 | Borane, dimethoxy- | 74 | C2H7BO2 | 004542-61-4 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

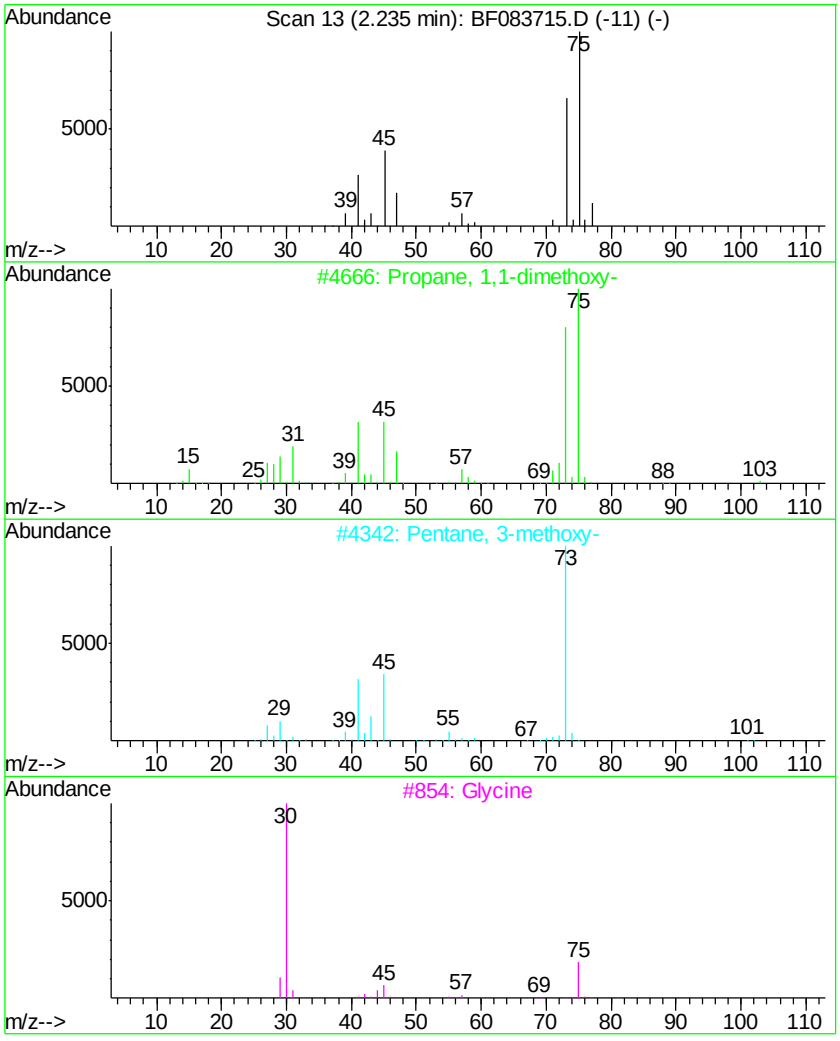
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

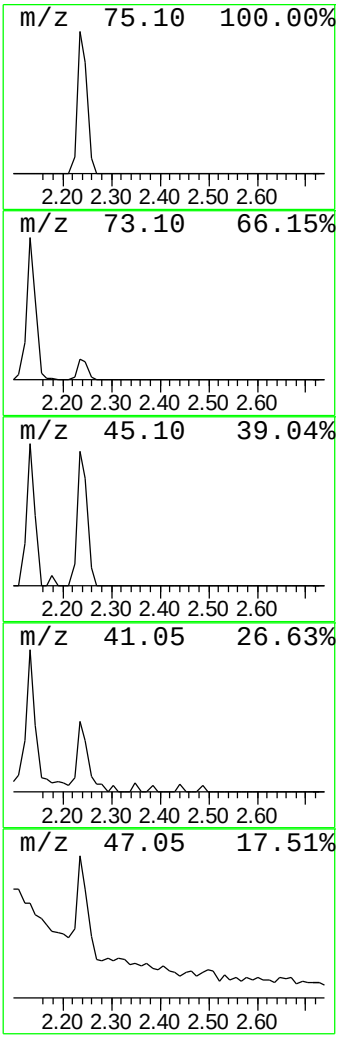
**********

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.24 | 2.35 ng | 94314 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 78 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 22 |
| 3 | Glycine | 75 | C2H5NO2 | 000056-40-6 | 9 |
| 4 | Methane, nitroso- | 45 | CH3NO | 000865-40-7 | 4 |
| 5 | Ethanethioamide | 75 | C2H5NS | 000062-55-5 | 4 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

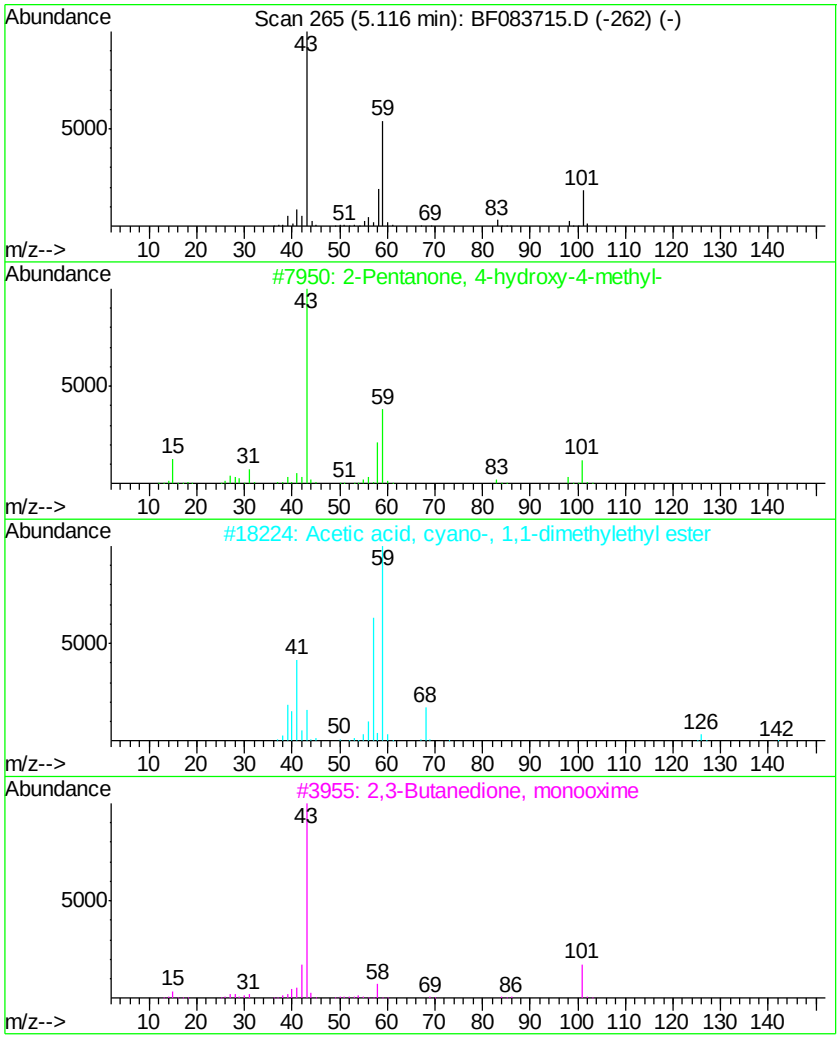
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

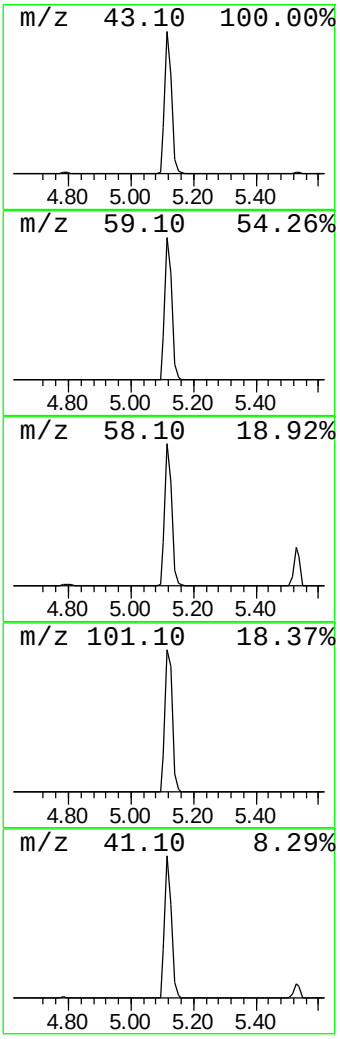
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.12 | 26.80 ng | 1073560 | 1,4-Dichlorobenzene-d4 | 6.92 |

| 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, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.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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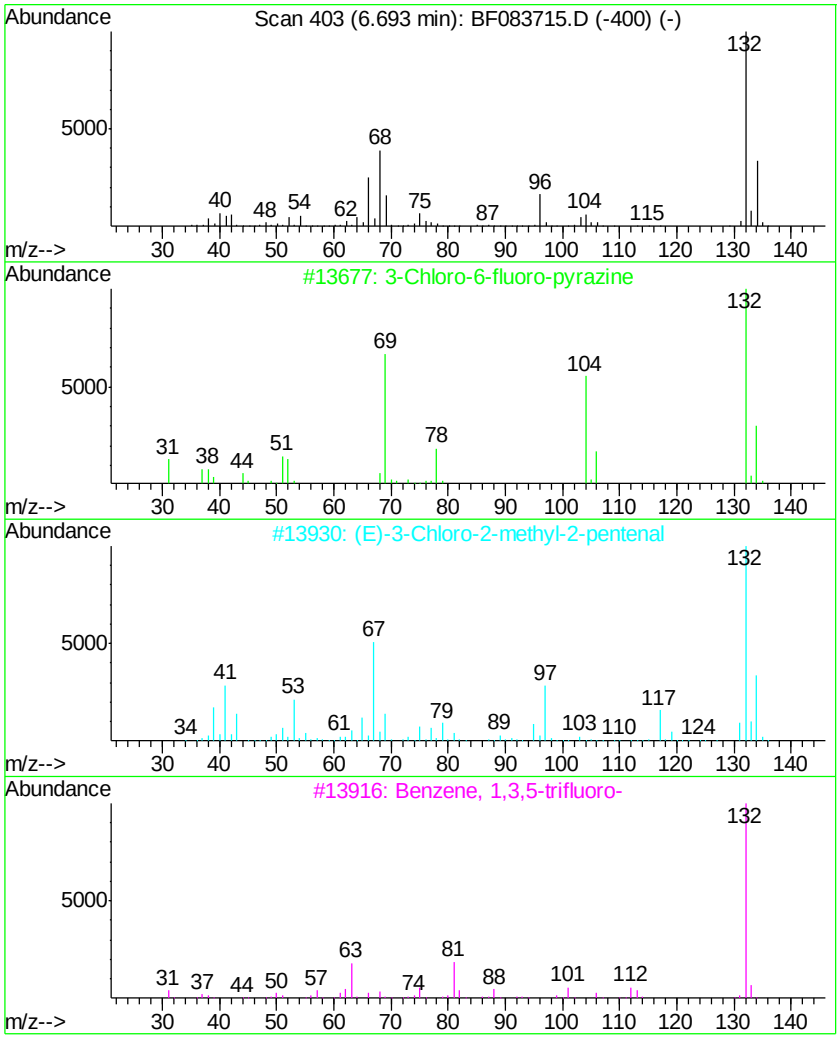
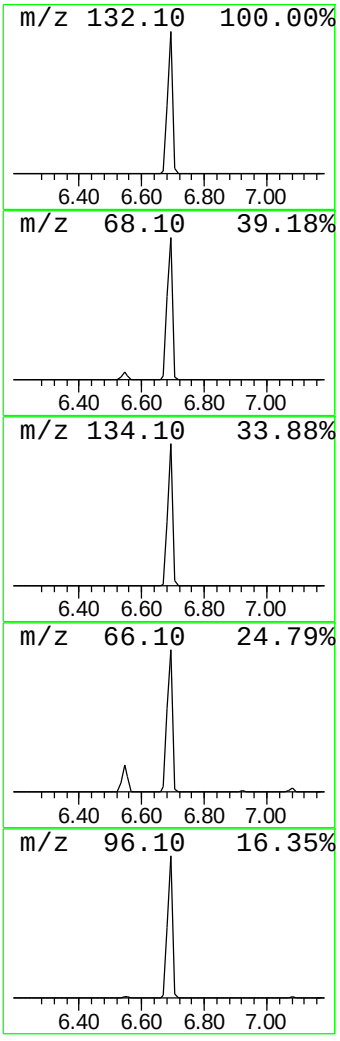
Peak Number 4 unknown6.69 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.69 | 92.74 ng | 3715280 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



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Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

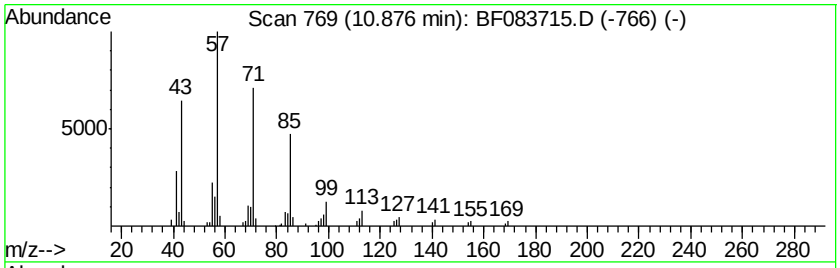
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

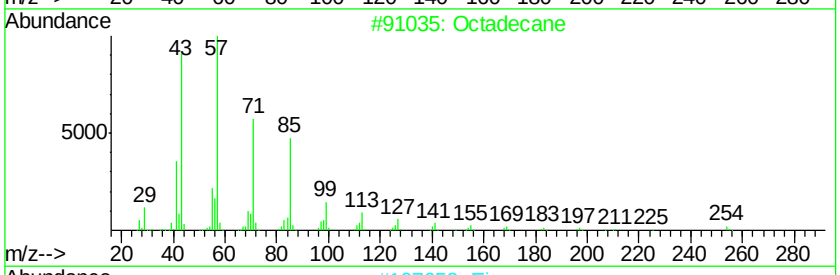
**********

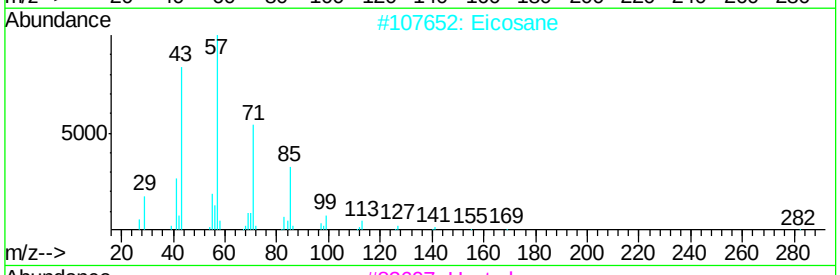
Peak Number 6 Octadecane Concentration Rank 5

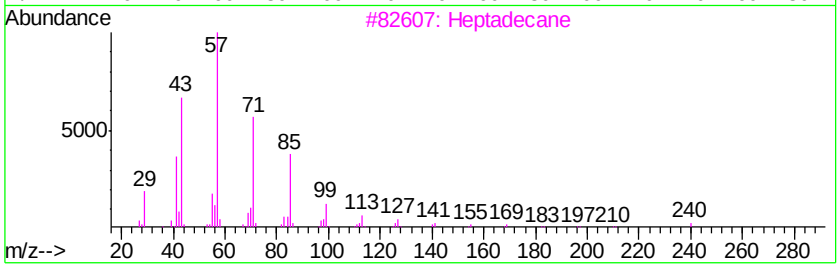
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.88 | 2.78 ng | 159810 | Phenanthrene-d10 | 11.44 |

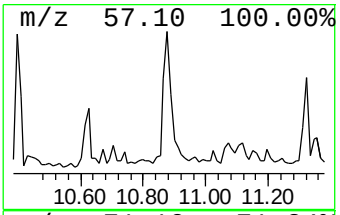
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 90 |

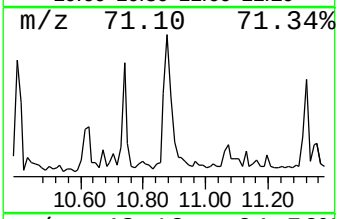


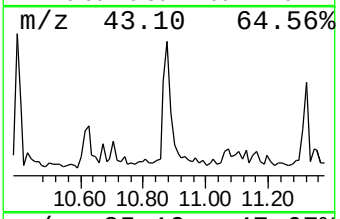



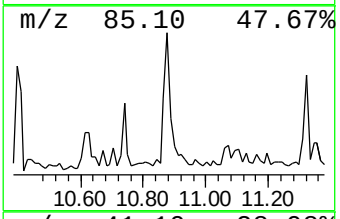



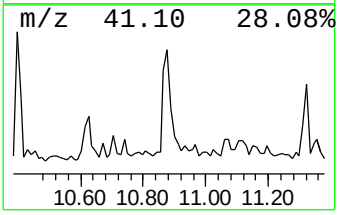



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121115\
Data File : BF083715.D
Acq On : 12 Dec 2015 00:42
Operator : UM/IZ
Sample : G4739-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K205-10-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121115.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 |
| Butane, 2-methoxy... | 2.13 | 3.9 | ng | 155277 | 1 | 6.92 | 801260 | 20.0 |
| Propane, 1,1-dime... | 2.24 | 2.4 | ng | 94314 | 1 | 6.92 | 801260 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12 | 26.8 | ng | 1073560 | 1 | 6.92 | 801260 | 20.0 |
| unknown6.69 | 6.69 | 92.7 | ng | 3715280 | 1 | 6.92 | 801260 | 20.0 |
| Octadecane | 10.88 | 2.8 | ng | 159810 | 4 | 11.44 | 1149980 | 20.0 |