LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

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_G\METHODS\8270-BG031918.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 | 3.499 | 30 | 36 | 47 | rBV2 | 128734 | 278666 | 7.26% | 1.752% |
| 2 | 3.587 | 47 | 51 | 62 | rVB | 94676 | 159691 | 4.16% | 1.004% |
| 3 | 5.802 | 421 | 428 | 436 | rBV | 30053 | 51813 | 1.35% | 0.326% |
| 4 | 6.313 | 508 | 515 | 527 | rBV | 161902 | 367188 | 9.57% | 2.309% |
| 5 | 6.848 | 601 | 606 | 615 | rBV4 | 23561 | 54658 | 1.42% | 0.344% |
| 6 | 7.999 | 795 | 802 | 819 | rBV2 | 96859 | 276538 | 7.20% | 1.739% |
| 7 | 8.405 | 864 | 871 | 890 | rBV | 332502 | 752710 | 19.61% | 4.733% |
| 8 | 8.892 | 947 | 954 | 968 | rBV | 97586 | 230343 | 6.00% | 1.448% |
| 9 | 9.227 | 1002 | 1011 | 1031 | rBV | 489631 | 1004299 | 26.16% | 6.314% |
| 10 | 10.091 | 1151 | 1158 | 1180 | rBV | 395413 | 917996 | 23.91% | 5.772% |
| 11 | 11.777 | 1436 | 1445 | 1458 | rBV | 154476 | 333974 | 8.70% | 2.100% |
| 12 | 14.139 | 1840 | 1847 | 1863 | rBV | 1289713 | 2221130 | 57.86% | 13.965% |
| 13 | 14.926 | 1971 | 1981 | 1997 | rBV | 45024 | 85675 | 2.23% | 0.539% |
| 14 | 15.332 | 2046 | 2050 | 2059 | rBV2 | 36696 | 54916 | 1.43% | 0.345% |
| 15 | 15.508 | 2074 | 2080 | 2090 | rBV2 | 302293 | 530798 | 13.83% | 3.337% |
| 16 | 16.272 | 2206 | 2210 | 2216 | rVB | 54809 | 72721 | 1.89% | 0.457% |
| 17 | 16.983 | 2324 | 2331 | 2344 | rBV | 837665 | 1436720 | 37.43% | 9.033% |
| 18 | 17.130 | 2351 | 2356 | 2365 | rVB | 51196 | 95736 | 2.49% | 0.602% |
| 19 | 17.917 | 2485 | 2490 | 2494 | rBV2 | 33994 | 46695 | 1.22% | 0.294% |
| 20 | 18.240 | 2538 | 2545 | 2557 | rBV | 444371 | 787692 | 20.52% | 4.952% |
| 21 | 19.033 | 2676 | 2680 | 2689 | rBV2 | 121160 | 190840 | 4.97% | 1.200% |
| 22 | 20.267 | 2886 | 2890 | 2895 | rBV5 | 29119 | 43615 | 1.14% | 0.274% |
| 23 | 20.761 | 2968 | 2974 | 2983 | rBV | 2789187 | 3838715 | 100.00% | 24.135% |
| 24 | 22.106 | 3197 | 3203 | 3215 | rBV | 189258 | 342044 | 8.91% | 2.151% |
| 25 | 22.594 | 3279 | 3286 | 3295 | rBV2 | 462503 | 889680 | 23.18% | 5.594% |
| 26 | 26.384 | 3920 | 3931 | 3949 | rBV2 | 247324 | 840174 | 21.89% | 5.282% |

Sum of corrected areas: 15905027

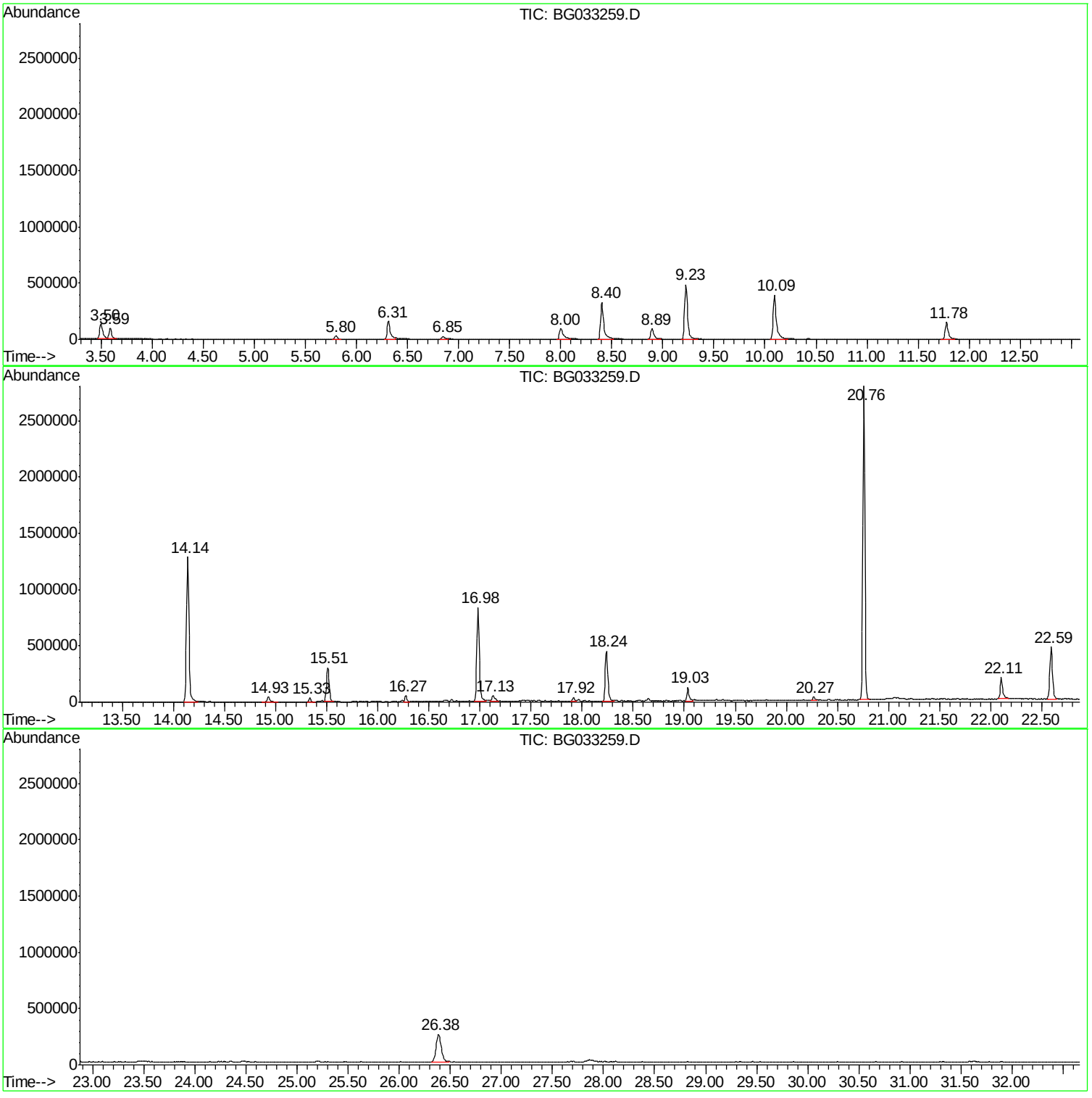
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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 G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

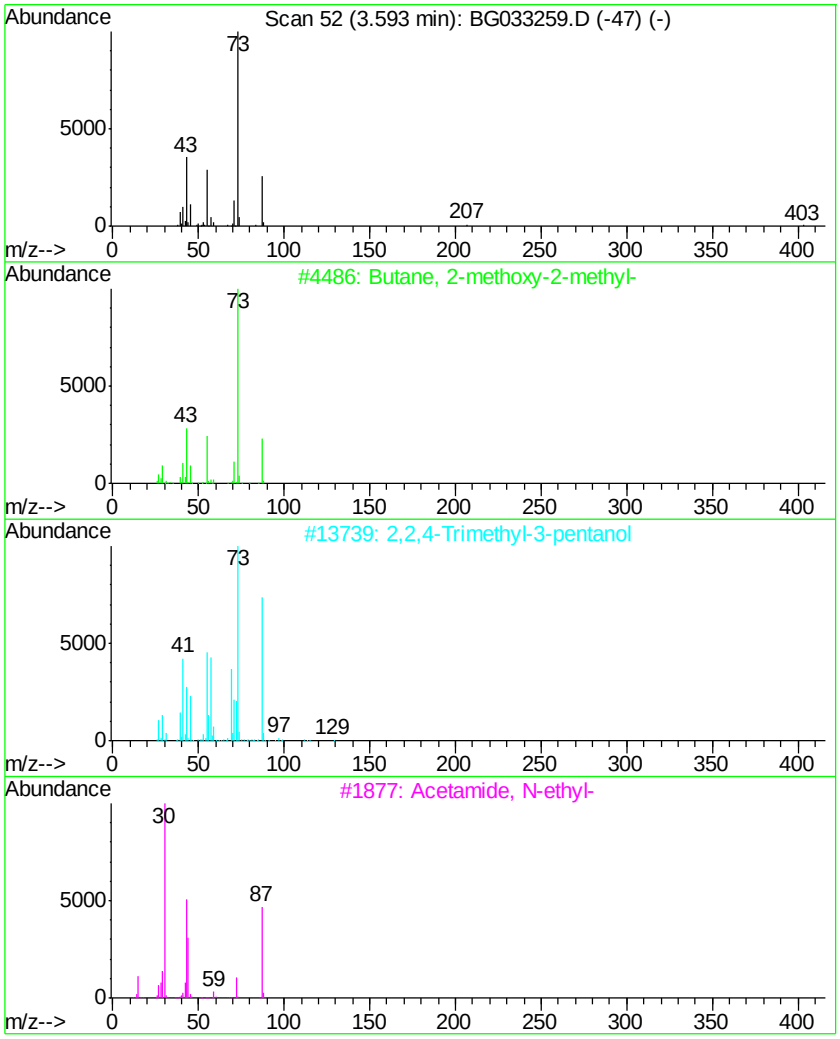
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

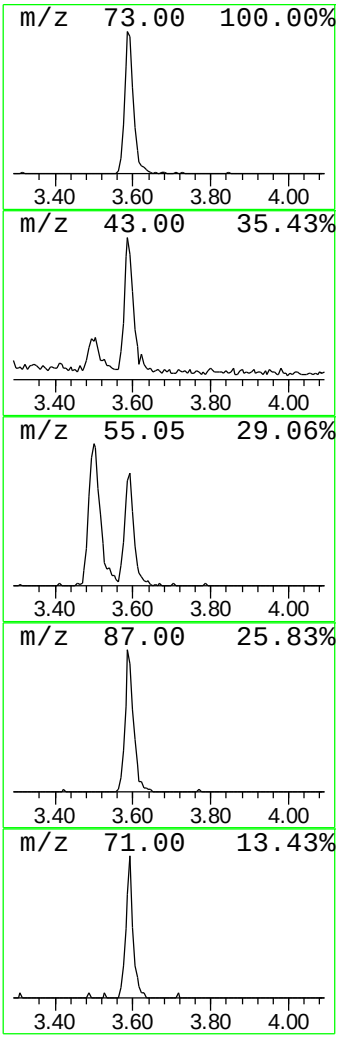
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.59 | 13.87 ng | 159691 | 1,4-Dichlorobenzene-d4 | 8.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

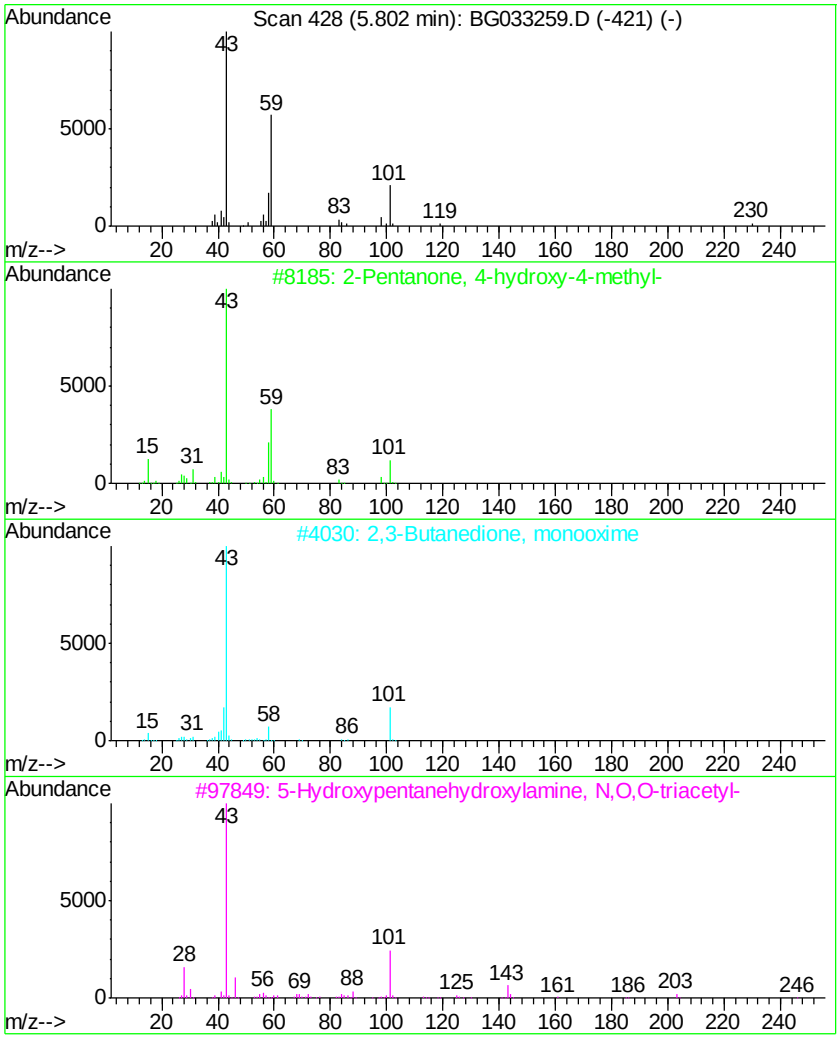
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

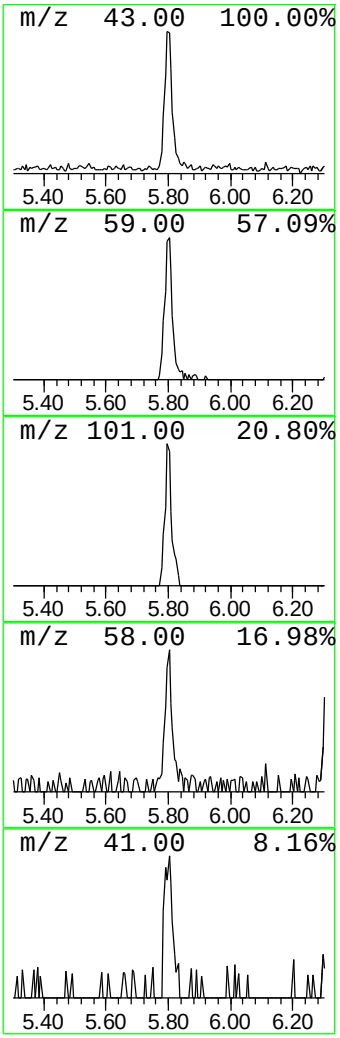
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.80 | 4.50 ng | 51813 | 1,4-Dichlorobenzene-d4 | 8.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 38 |
| 3 | 5-Hydroxypentanehydroxylamine, N... | 245 | C11H19NO5 | 104556-13-0 | 17 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 10 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

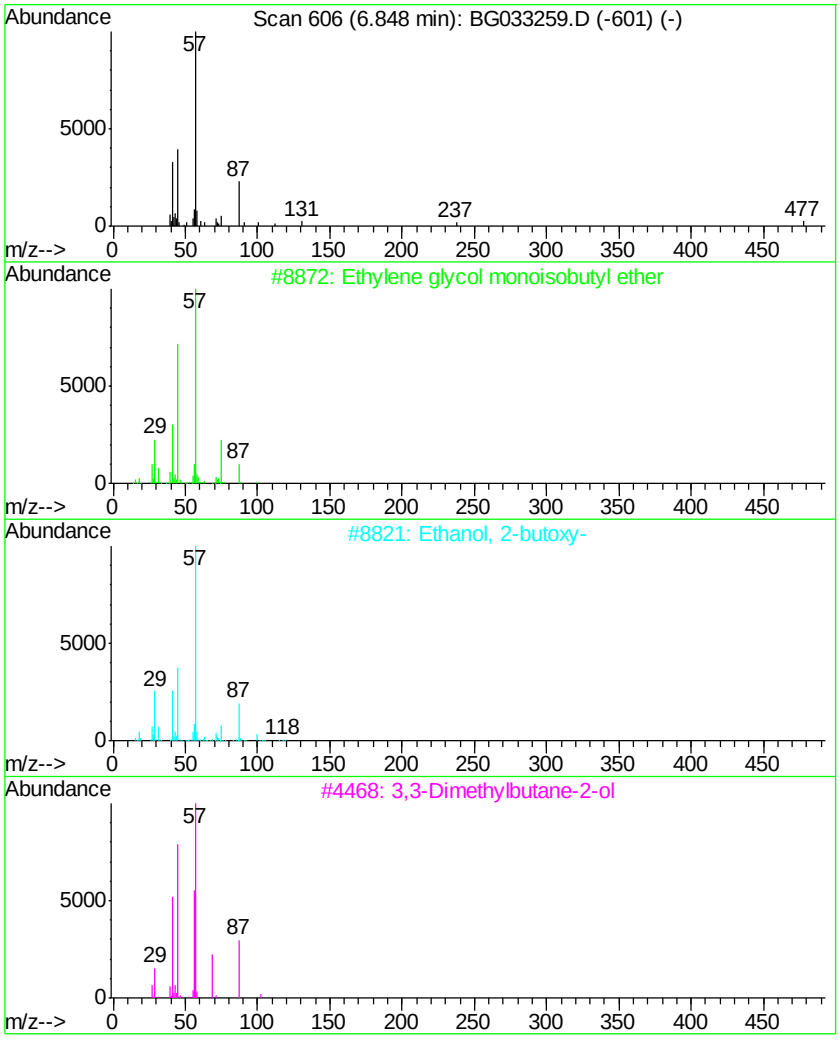
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

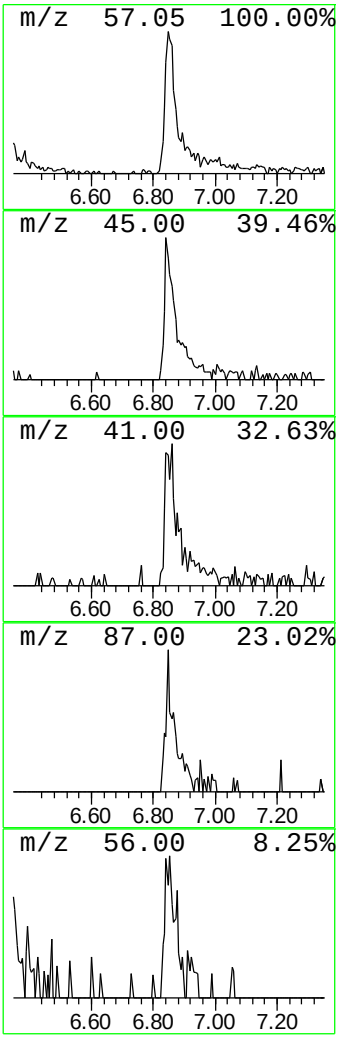
**********

Peak Number 4 Ethylene glycol monoisobuty... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.85 | 4.75 ng | 54658 | 1,4-Dichlorobenzene-d4 | 8.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 50 |
| 2 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 39 |
| 3 | 3,3-Dimethylbutane-2-ol | 102 | C6H14O | 000464-07-3 | 36 |
| 4 | 1-Penten-3-ol, 4-methyl- | 100 | C6H12O | 004798-45-2 | 9 |
| 5 | Propane, 2-methyl-2-nitro- | 103 | C4H9NO2 | 000594-70-7 | 9 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

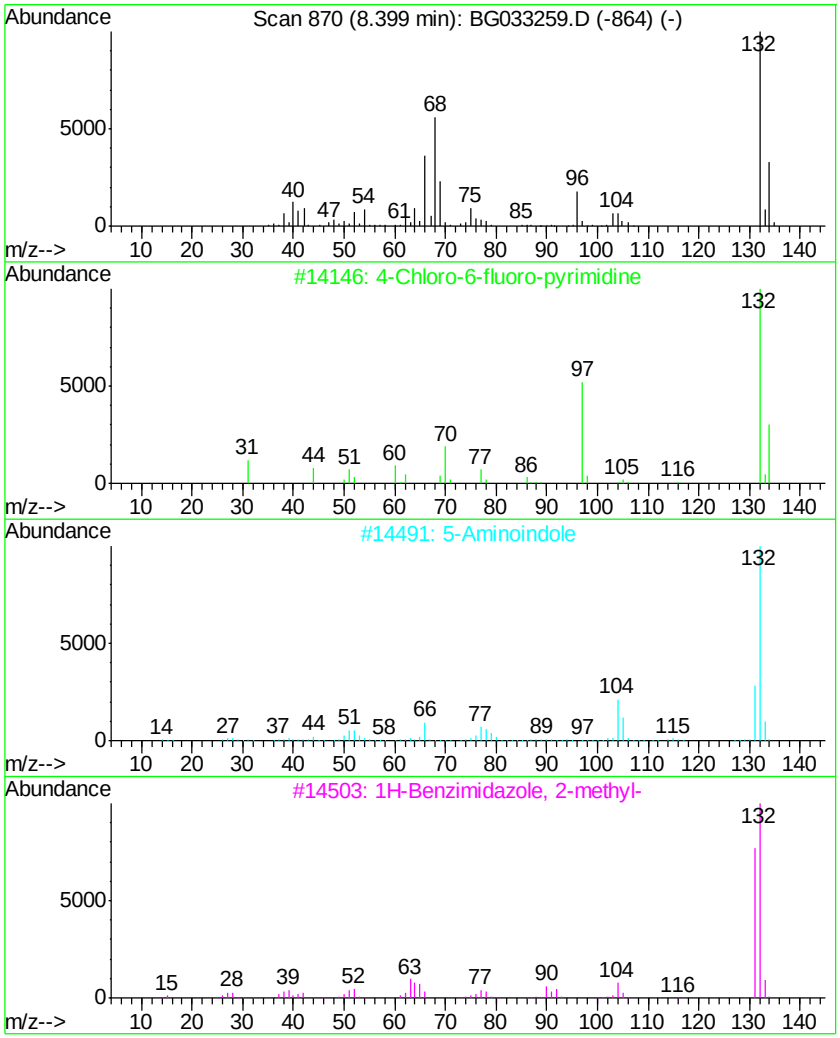
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

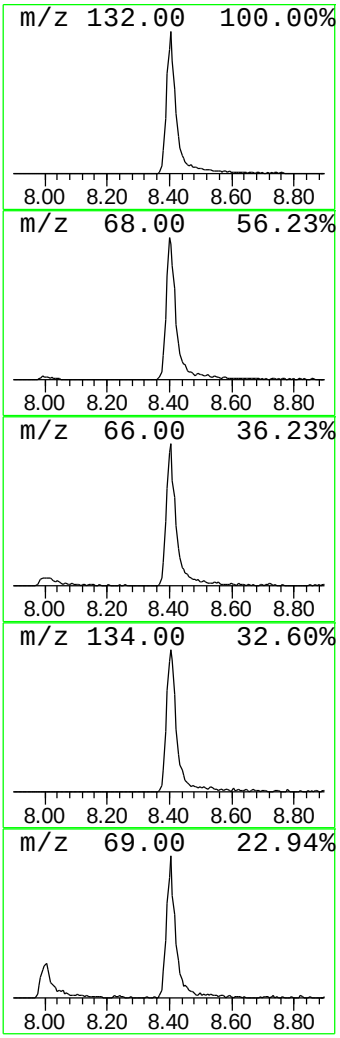
**********

Peak Number 5 unknown8.40 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.40 | 65.36 ng | 752710 | 1,4-Dichlorobenzene-d4 | 8.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 14 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

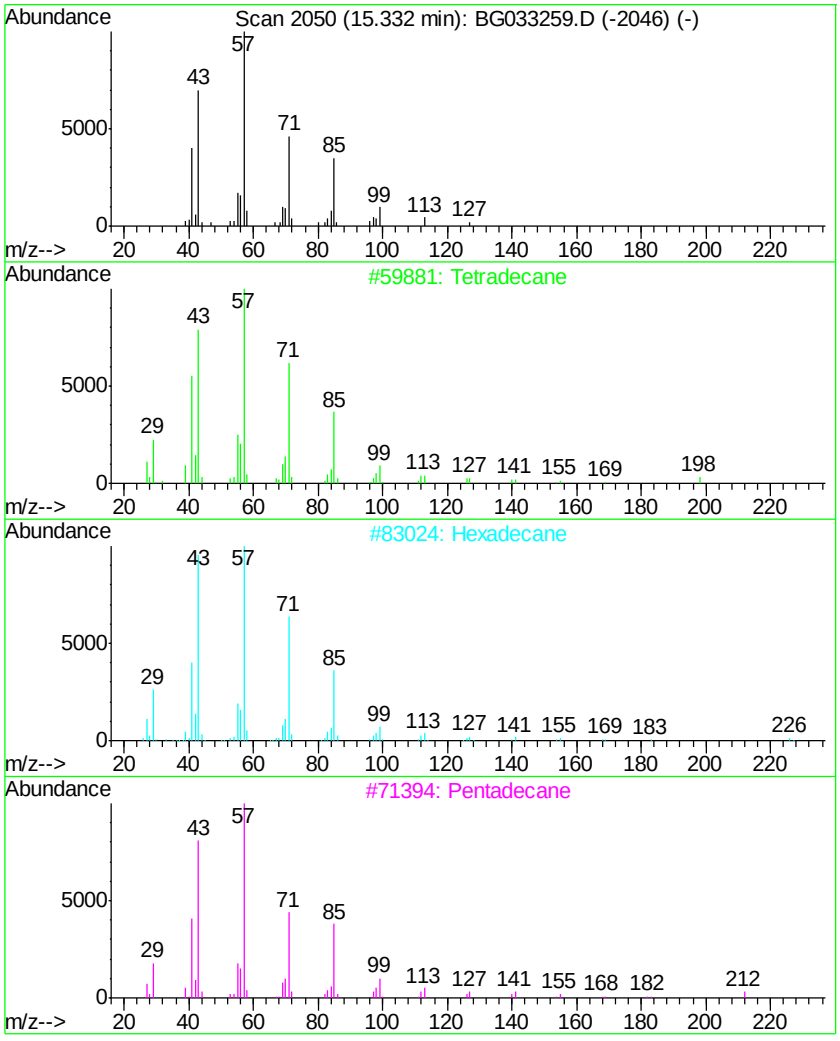
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

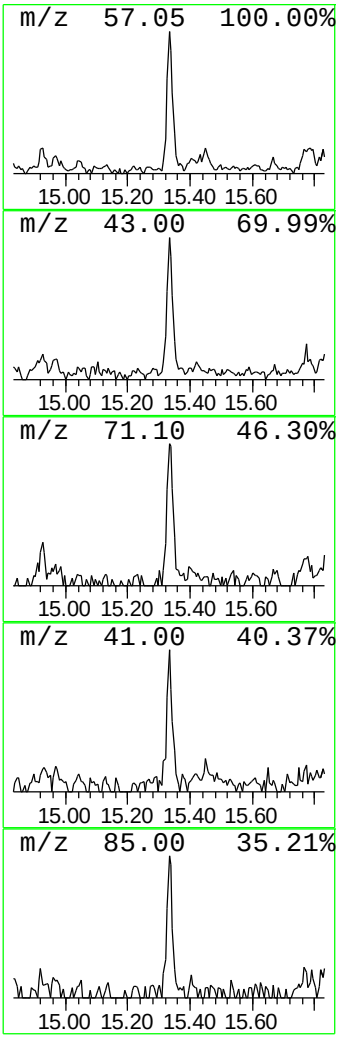
**********

Peak Number 7 Tetradecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.33 | 2.07 ng | 54916 | Acenaphthene-d10 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 4 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 86 |
| 5 | Undecane | 156 | C11H24 | 001120-21-4 | 72 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

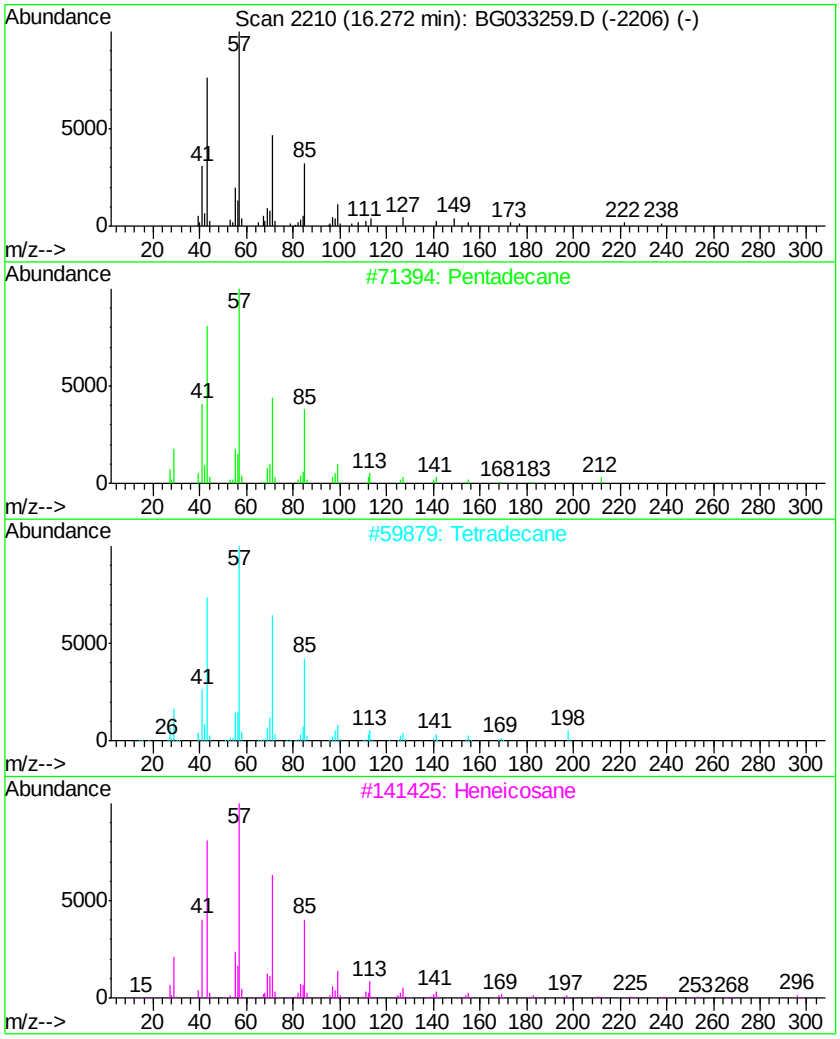
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

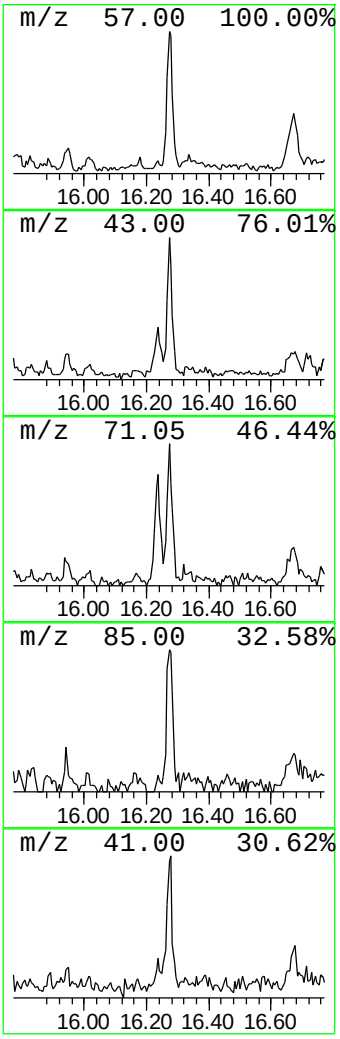
**********

Peak Number 8 Pentadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.27 | 2.74 ng | 72721 | Acenaphthene-d10 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

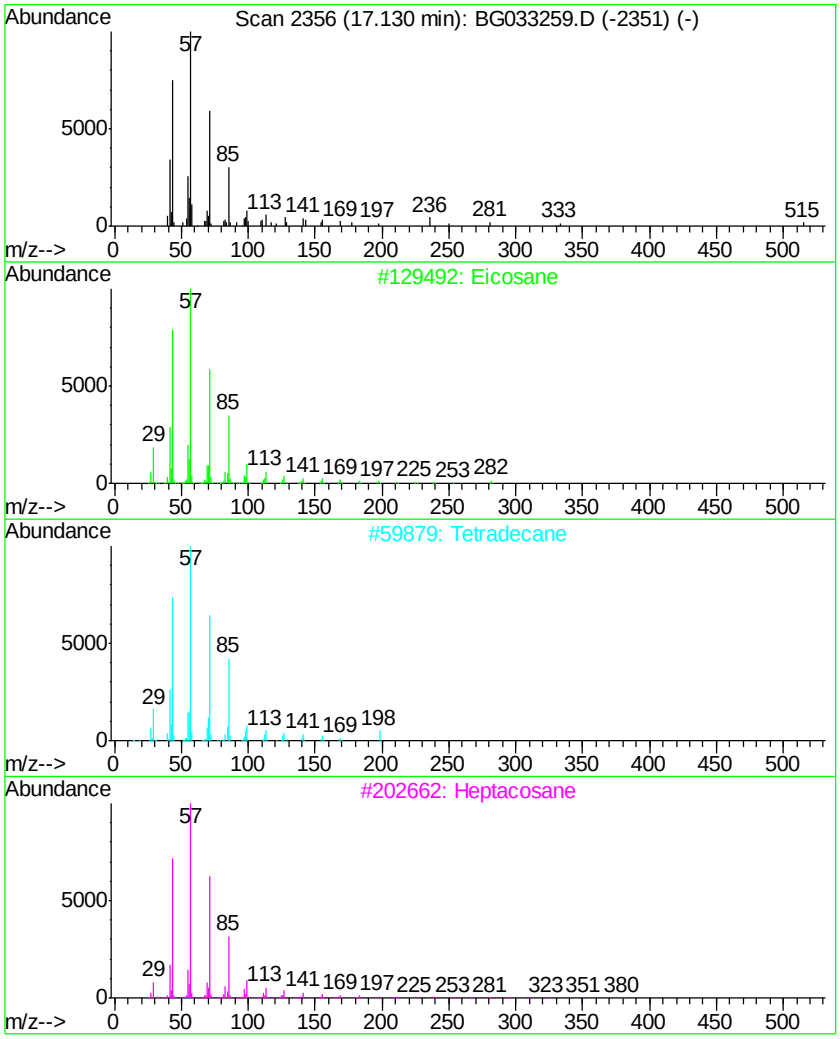
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

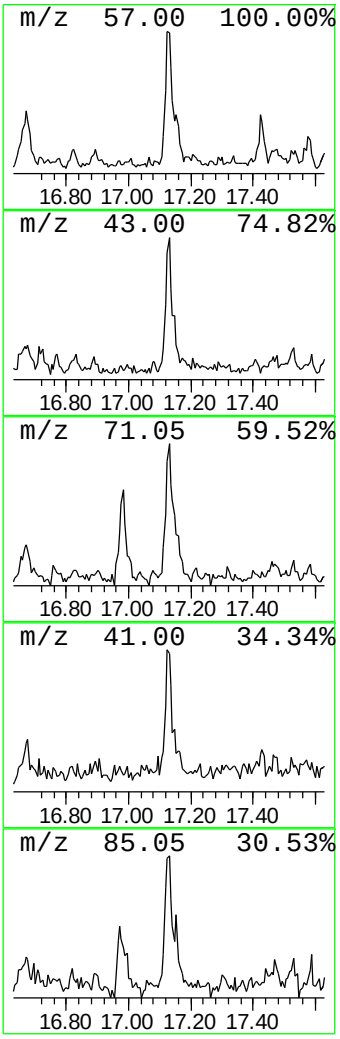
**********

Peak Number 9 Eicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.13 | 2.43 ng | 95736 | Phenanthrene-d10 | 18.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 83 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 64 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

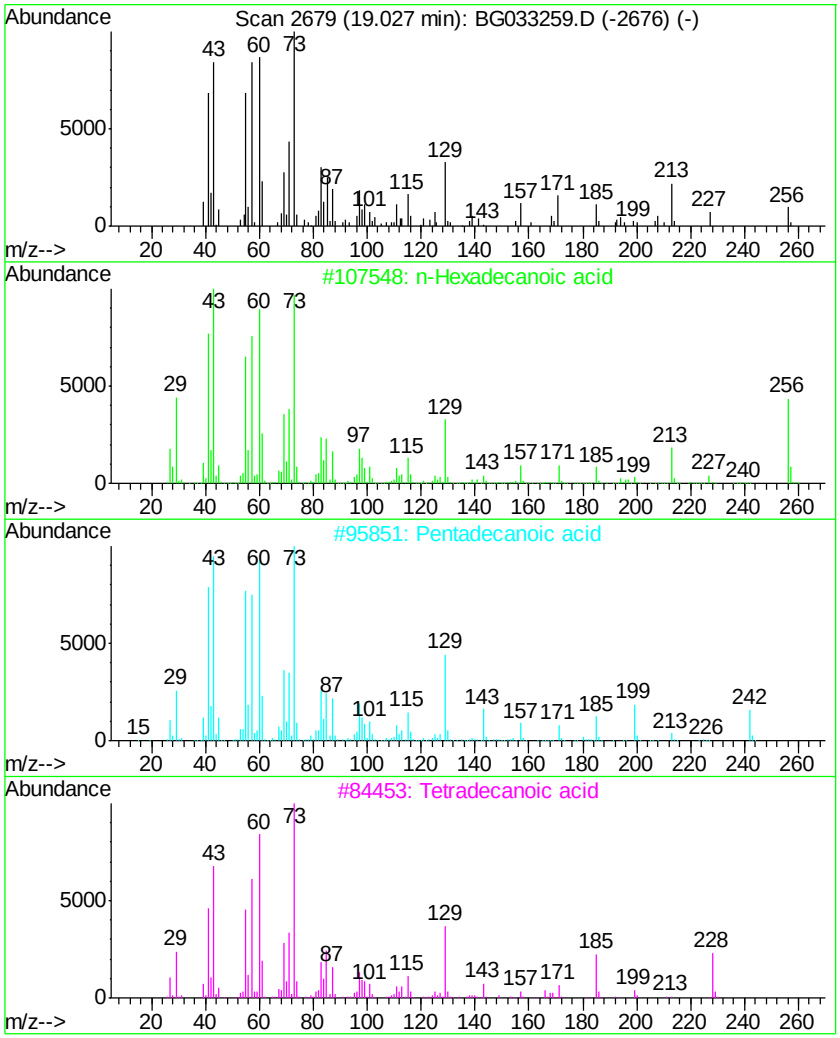
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

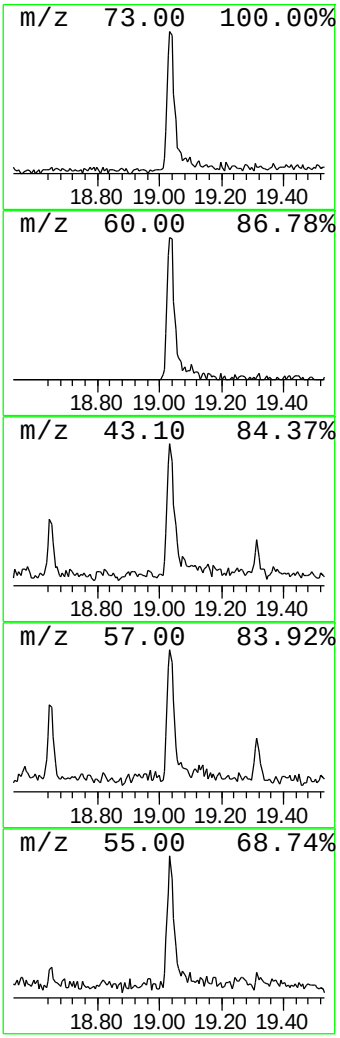
**********

Peak Number 10 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.03 | 4.85 ng | 190840 | Phenanthrene-d10 | 18.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |
| 5 | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 20 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

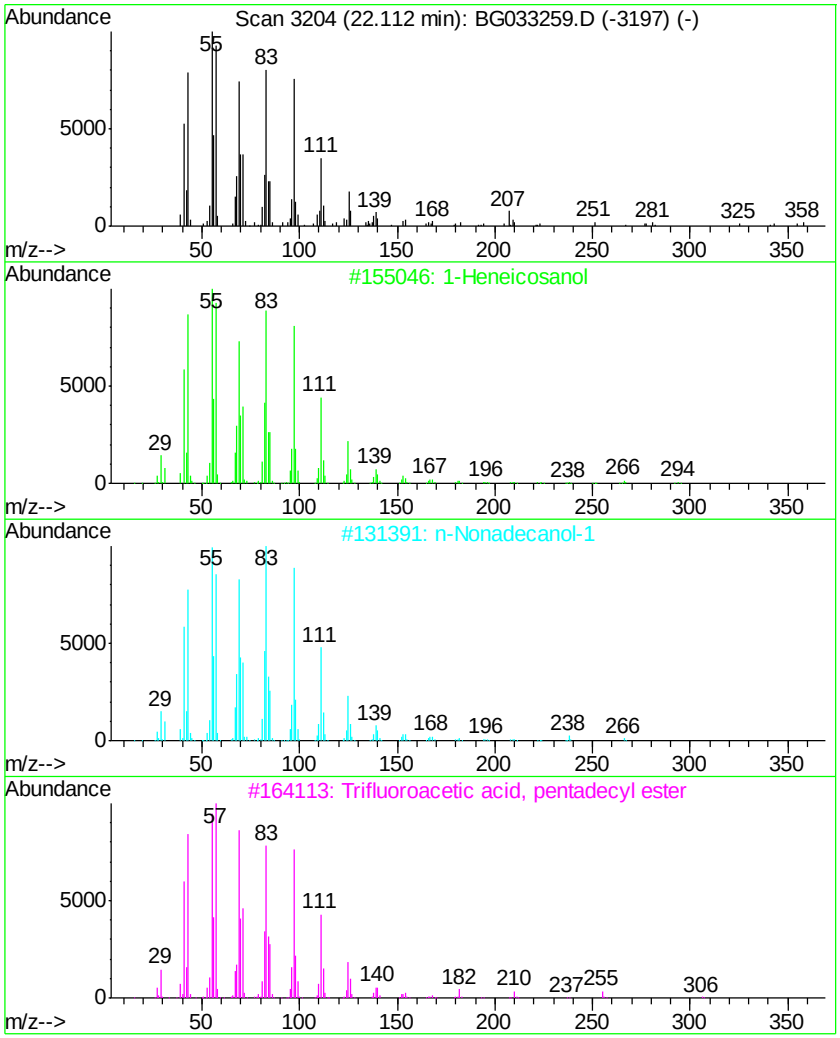
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

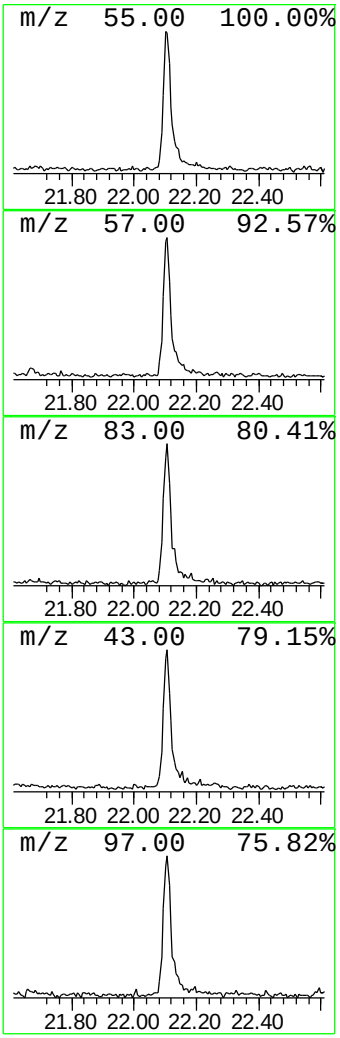
**********

Peak Number 11 1-Heneicosanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.11 | 7.69 ng | 342044 | Chrysene-d12 | 22.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 3 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 5 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031918\
Data File : BG033259.D
Acq On : 20 Mar 2018 3:15
Operator : SJ/JU
Sample : J1953-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 031418-JETT-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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 |
| Butane, 2-methoxy... | 3.59 | 13.9 | ng | 159691 | 1 | 8.89 | 230343 | 20.0 |
| 2-Pentanone, 4-hy... | 5.80 | 4.5 | ng | 51813 | 1 | 8.89 | 230343 | 20.0 |
| Ethylene glycol m... | 6.85 | 4.8 | ng | 54658 | 1 | 8.89 | 230343 | 20.0 |
| unknown8.40 | 8.40 | 65.4 | ng | 752710 | 1 | 8.89 | 230343 | 20.0 |
| Tetradecane | 15.33 | 2.1 | ng | 54916 | 3 | 15.51 | 530798 | 20.0 |
| Pentadecane | 16.27 | 2.7 | ng | 72721 | 3 | 15.51 | 530798 | 20.0 |
| Eicosane | 17.13 | 2.4 | ng | 95736 | 4 | 18.24 | 787692 | 20.0 |
| n-Hexadecanoic acid | 19.03 | 4.8 | ng | 190840 | 4 | 18.24 | 787692 | 20.0 |
| 1-Heneicosanol | 22.11 | 7.7 | ng | 342044 | 5 | 22.59 | 889680 | 20.0 |