LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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 | 3.475 | 26 | 32 | 42 | rBV2 | 78790 | 163327 | 6.14% | 1.183% |
| 2 | 3.563 | 43 | 47 | 57 | rVB | 51610 | 88864 | 3.34% | 0.643% |
| 3 | 5.767 | 417 | 422 | 428 | rBV | 29658 | 49424 | 1.86% | 0.358% |
| 4 | 6.284 | 503 | 510 | 526 | rBV | 437517 | 873675 | 32.86% | 6.326% |
| 5 | 7.964 | 790 | 796 | 816 | rBV | 431605 | 997191 | 37.51% | 7.220% |
| 6 | 8.370 | 857 | 865 | 885 | rBV | 429326 | 936358 | 35.22% | 6.780% |
| 7 | 8.857 | 940 | 948 | 967 | rBV2 | 85487 | 226183 | 8.51% | 1.638% |
| 8 | 9.186 | 997 | 1004 | 1016 | rBV | 339253 | 677126 | 25.47% | 4.903% |
| 9 | 10.056 | 1144 | 1152 | 1171 | rBV2 | 236686 | 590554 | 22.21% | 4.276% |
| 10 | 11.736 | 1431 | 1438 | 1455 | rBV2 | 130879 | 298269 | 11.22% | 2.160% |
| 11 | 14.098 | 1829 | 1840 | 1858 | rBV | 768468 | 1326818 | 49.91% | 9.607% |
| 12 | 14.891 | 1968 | 1975 | 1985 | rBV | 58390 | 98778 | 3.72% | 0.715% |
| 13 | 15.473 | 2068 | 2074 | 2084 | rBV2 | 264777 | 471627 | 17.74% | 3.415% |
| 14 | 16.237 | 2200 | 2204 | 2209 | rVB2 | 25544 | 33164 | 1.25% | 0.240% |
| 15 | 16.948 | 2318 | 2325 | 2339 | rBV | 792196 | 1373610 | 51.67% | 9.946% |
| 16 | 17.089 | 2344 | 2349 | 2359 | rVB2 | 27772 | 54663 | 2.06% | 0.396% |
| 17 | 18.205 | 2533 | 2539 | 2551 | rBV | 404239 | 705568 | 26.54% | 5.109% |
| 18 | 19.004 | 2670 | 2675 | 2679 | rBV2 | 63677 | 95435 | 3.59% | 0.691% |
| 19 | 20.726 | 2962 | 2968 | 2976 | rBV | 1890731 | 2658603 | 100.00% | 19.250% |
| 20 | 21.378 | 3075 | 3079 | 3087 | rBV | 11780 | 31390 | 1.18% | 0.227% |
| 21 | 21.454 | 3087 | 3092 | 3097 | rBV | 93092 | 124691 | 4.69% | 0.903% |
| 22 | 22.059 | 3190 | 3195 | 3207 | rVB2 | 105338 | 186125 | 7.00% | 1.348% |
| 23 | 22.347 | 3239 | 3244 | 3248 | rVB5 | 17159 | 30008 | 1.13% | 0.217% |
| 24 | 22.547 | 3271 | 3278 | 3288 | rBV2 | 421809 | 833560 | 31.35% | 6.035% |
| 25 | 24.415 | 3590 | 3596 | 3599 | rBV5 | 18645 | 32877 | 1.24% | 0.238% |
| 26 | 26.078 | 3874 | 3879 | 3880 | rBV5 | 30317 | 42563 | 1.60% | 0.308% |
| 27 | 26.301 | 3907 | 3917 | 3932 | rVB3 | 237198 | 810624 | 30.49% | 5.869% |

Sum of corrected areas: 13811075

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Data File : BG033724.D
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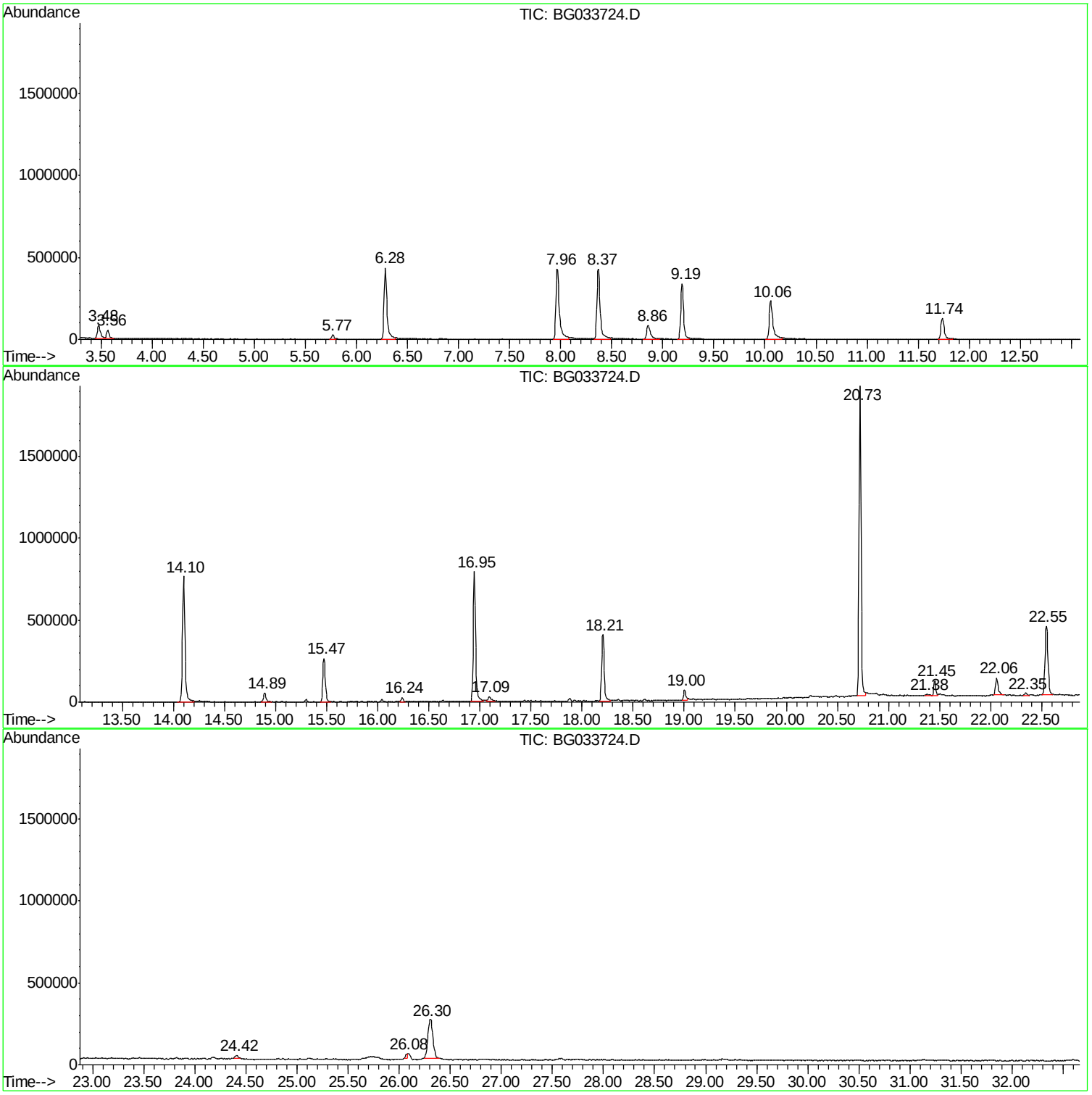
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

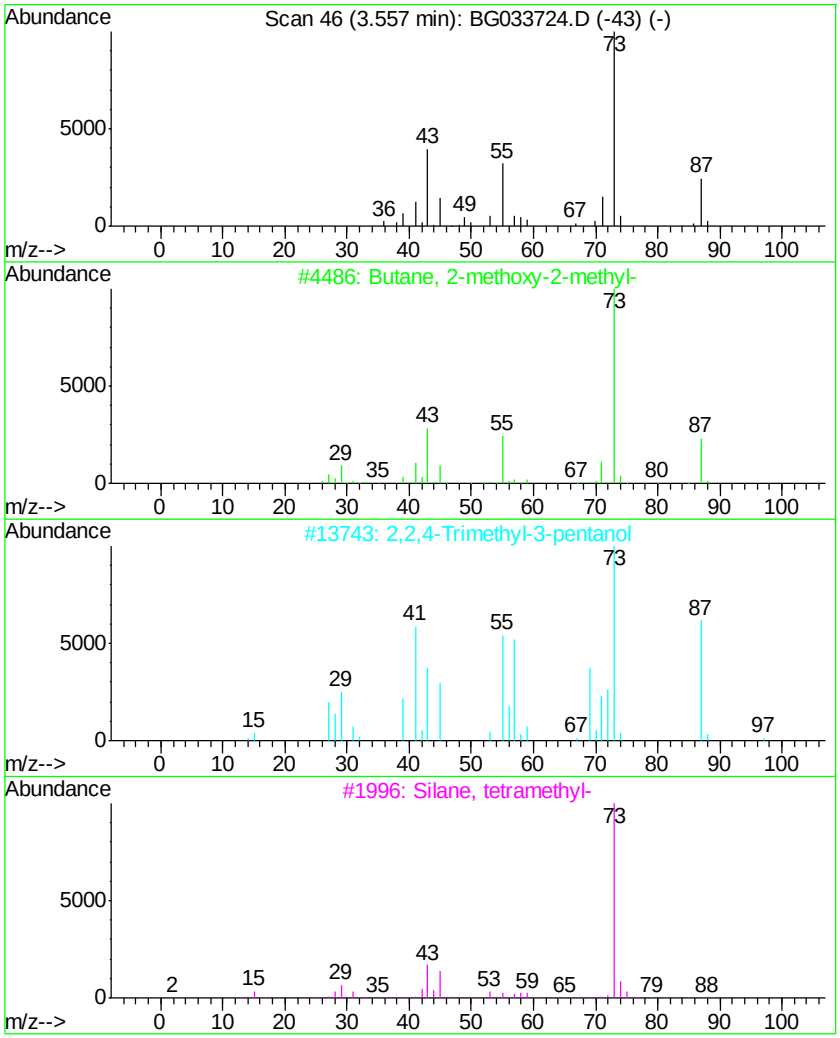
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

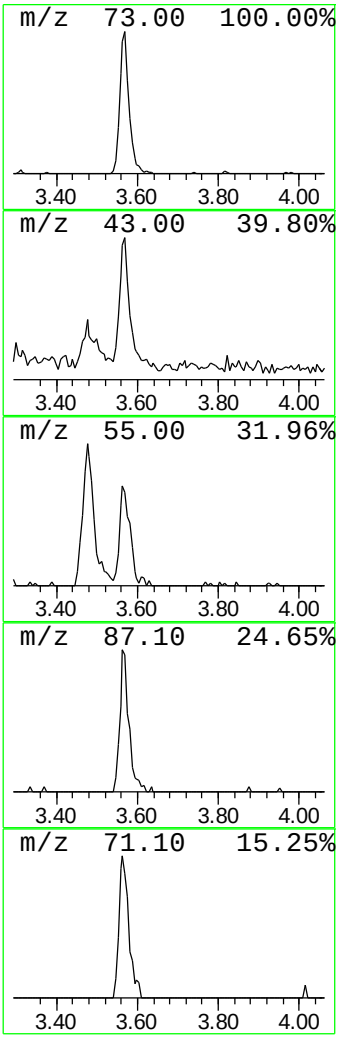
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.56 | 7.86 ng | 88864 | 1,4-Dichlorobenzene-d4 | 8.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 64 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 53 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 16 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 10 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

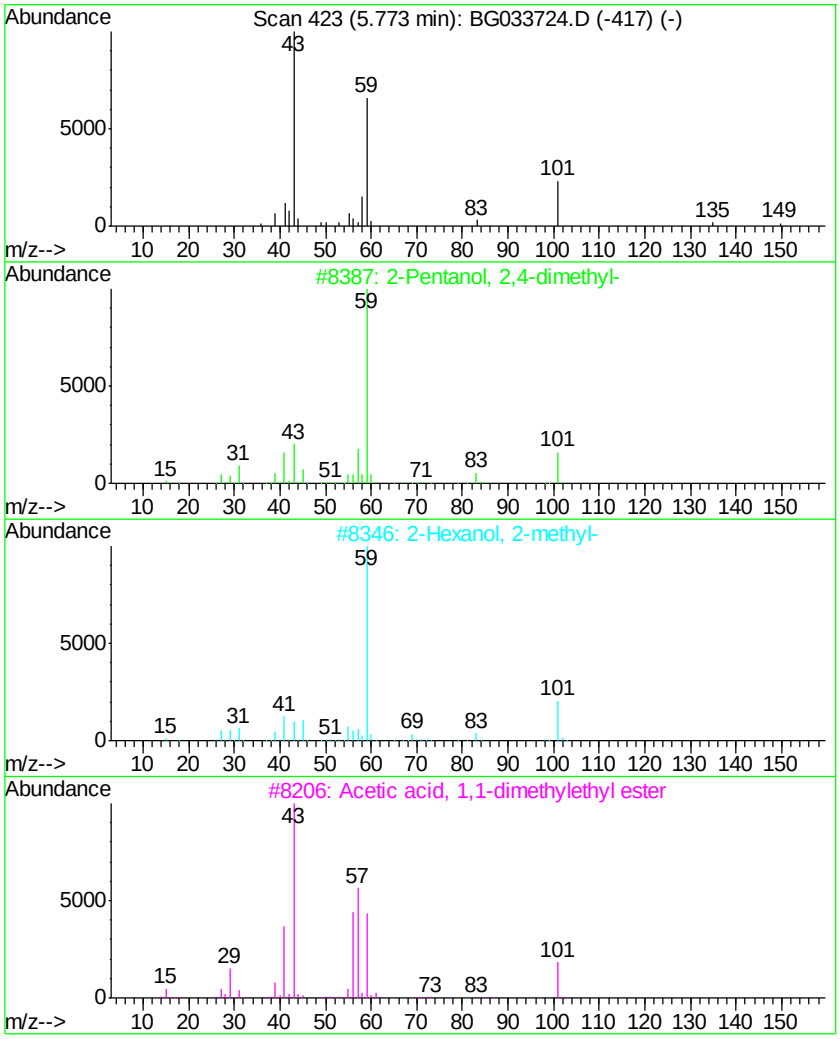
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

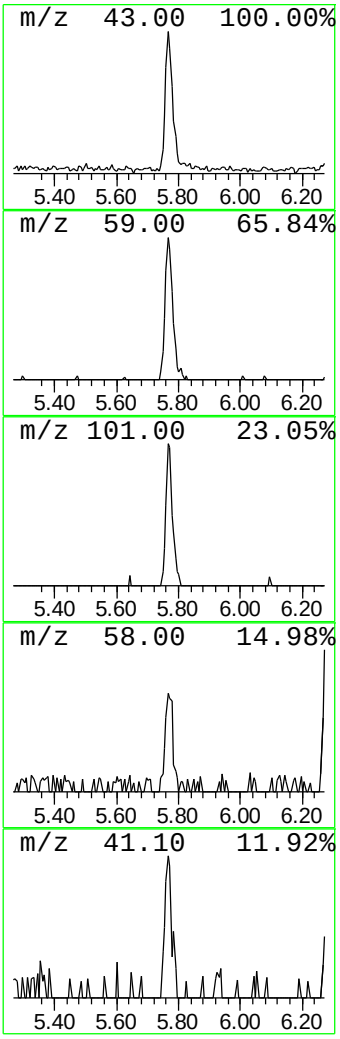
**********

Peak Number 3 2-Pentanol, 2,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.77 | 4.37 ng | 49424 | 1,4-Dichlorobenzene-d4 | 8.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 50 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 50 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 4 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 38 |
| 5 | 1-Butanol, 3-methoxy- | 104 | C5H12O2 | 002517-43-3 | 25 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

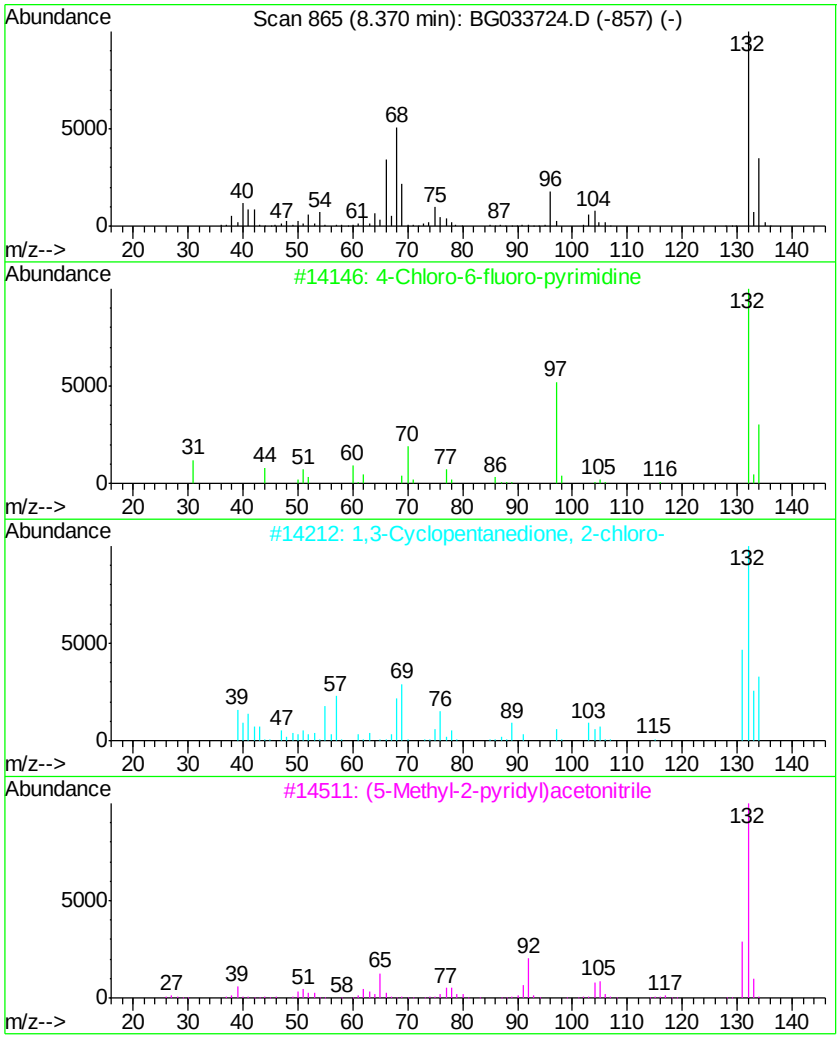
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

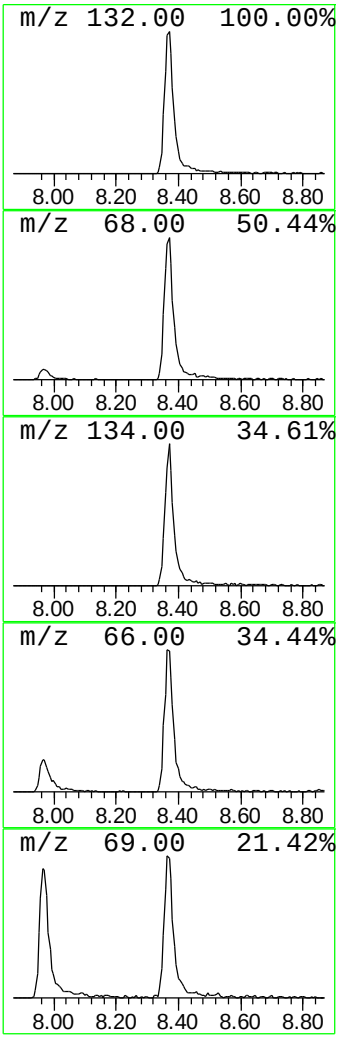
**********

Peak Number 4 unknown8.37 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.37 | 82.80 ng | 936358 | 1,4-Dichlorobenzene-d4 | 8.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 23 |
| 3 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 16 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

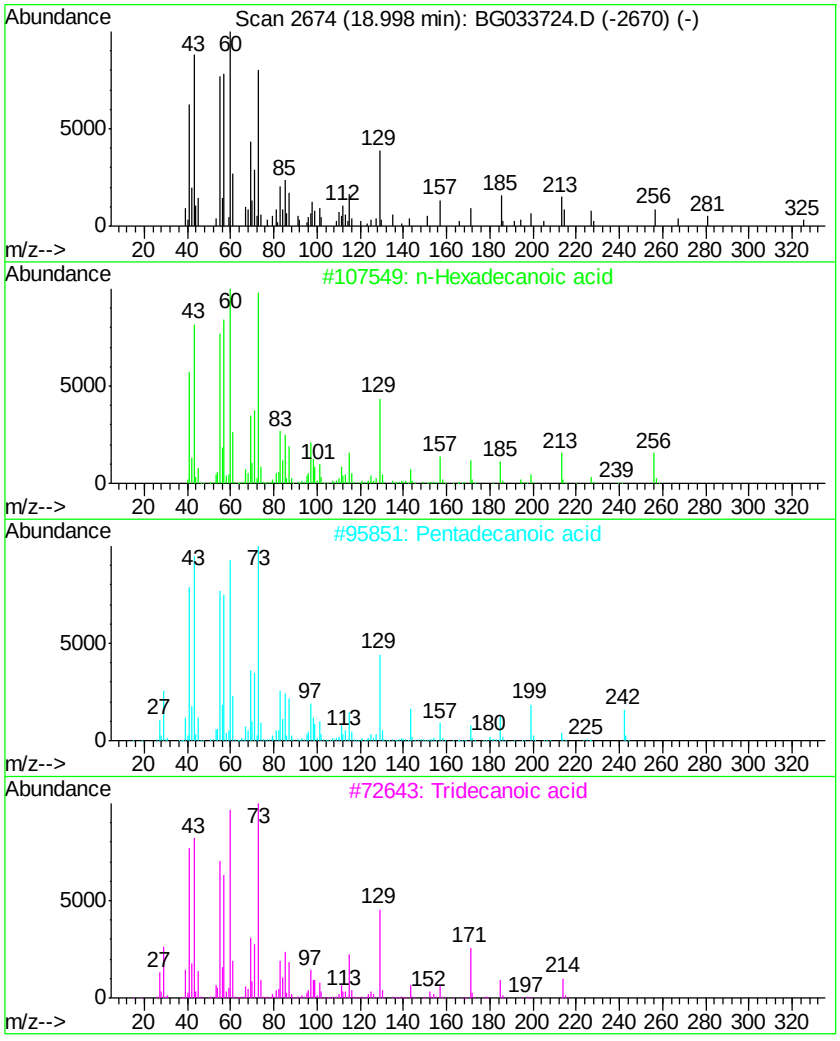
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

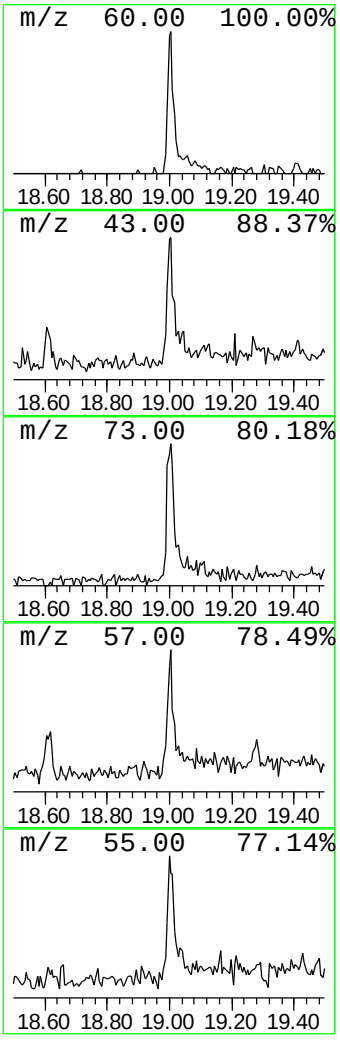
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.00 | 2.71 ng | 95435 | Phenanthrene-d10 | 18.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 59 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 53 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 49 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

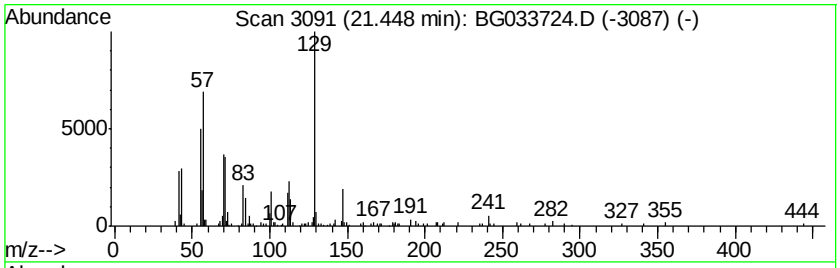
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

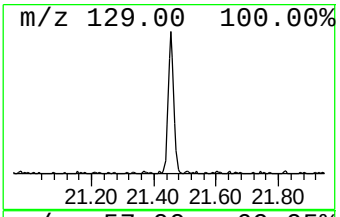
**********

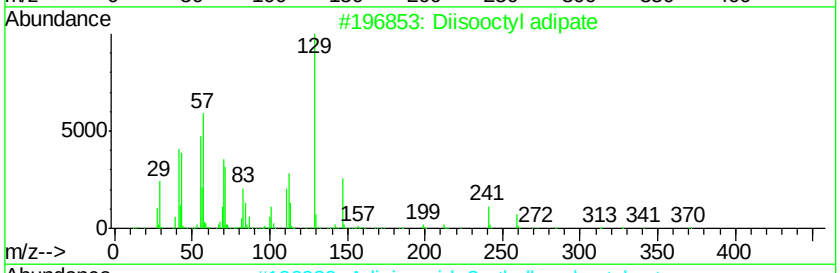
Peak Number 7 Diisooctyl adipate Concentration Rank 7

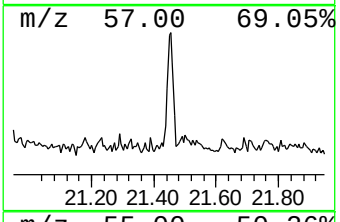
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.45 | 2.99 ng | 124691 | Chrysene-d12 | 22.55 |

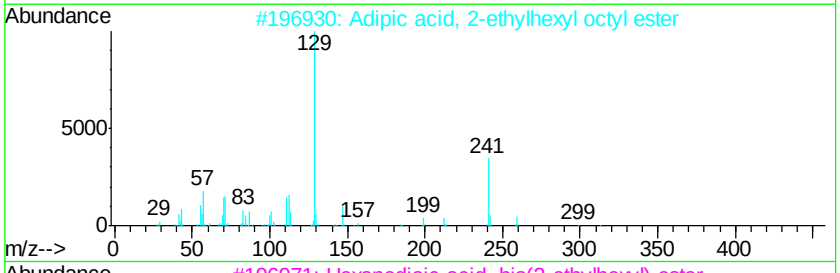
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diisooctyl adipate | 370 | C22H42O4 | 001330-86-5 | 86 |
| 2 | Adipic acid, 2-ethylhexyl octyl ... | 370 | C22H42O4 | 1000324-48-6 | 83 |
| 3 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 68 |
| 4 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 64 |
| 5 | Hexanedioic acid, mono(2-ethylhe... | 258 | C14H26O4 | 004337-65-9 | 59 |

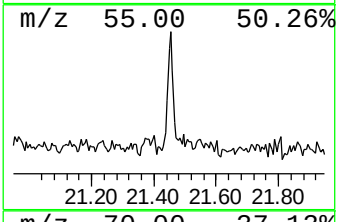


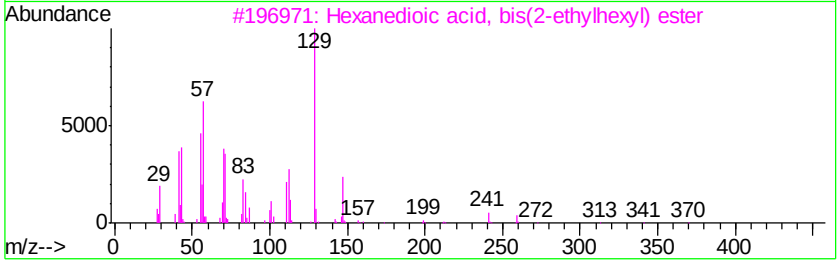



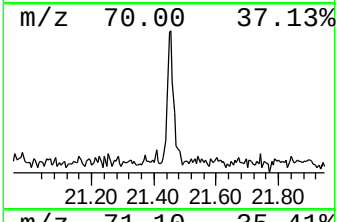



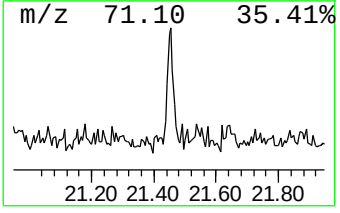



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Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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

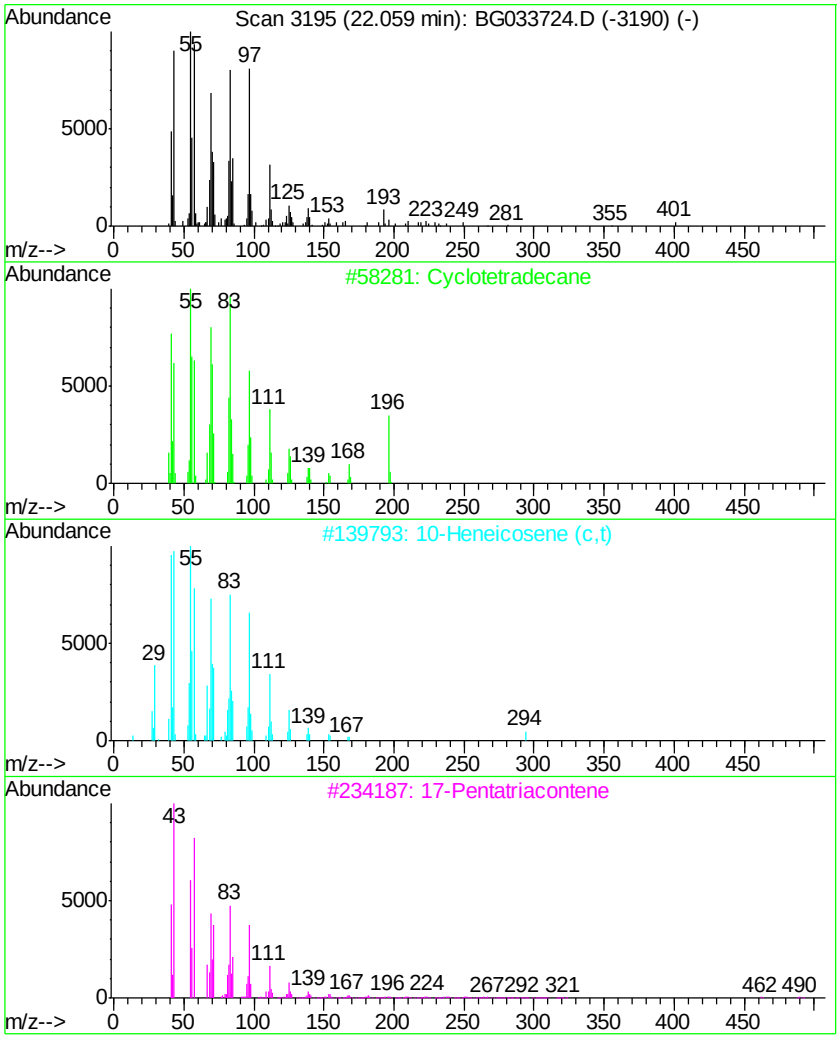
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

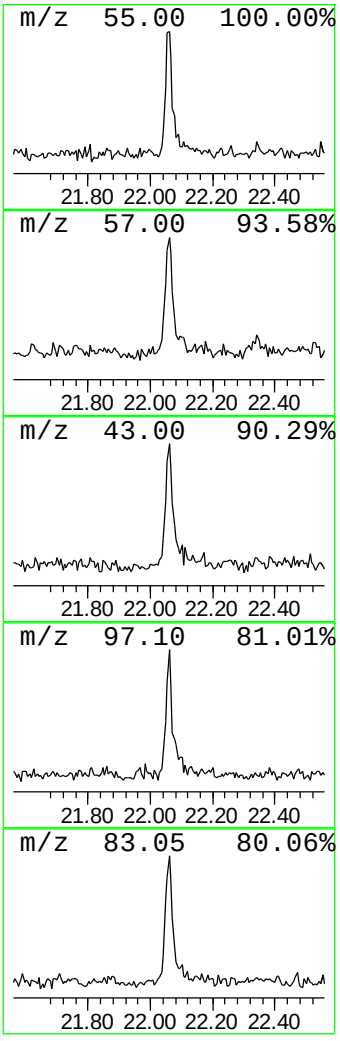
**********

Peak Number 8 Cyclotetradecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.06 | 4.47 ng | 186125 | Chrysene-d12 | 22.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 95 |
| 2 | 10-Heneicosene (c,t) | 294 | C21H42 | 095008-11-0 | 91 |
| 3 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 83 |
| 4 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 81 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041018\
Data File : BG033724.D
Acq On : 10 Apr 2018 21:47
Operator : SJ/JU
Sample : J2301-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-L-6(5-10)

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... | 3.56 | 7.9 | ng | 88864 | 1 | 8.85 | 226183 | 20.0 |
| 2-Pentanol, 2,4-d... | 5.77 | 4.4 | ng | 49424 | 1 | 8.85 | 226183 | 20.0 |
| unknown8.37 | 8.37 | 82.8 | ng | 936358 | 1 | 8.85 | 226183 | 20.0 |
| n-Hexadecanoic acid | 19.00 | 2.7 | ng | 95435 | 4 | 18.20 | 705568 | 20.0 |
| Diisooctyl adipate | 21.45 | 3.0 | ng | 124691 | 5 | 22.55 | 833560 | 20.0 |
| Cyclotetradecane | 22.06 | 4.5 | ng | 186125 | 5 | 22.55 | 833560 | 20.0 |