LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

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-BG051315.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 | 2.779 | 10 | 15 | 22 | rVB3 | 74711 | 136316 | 3.64% | 0.764% |
| 2 | 2.879 | 28 | 32 | 37 | rVB | 209354 | 303472 | 8.10% | 1.700% |
| 3 | 3.596 | 148 | 154 | 160 | rBV | 123522 | 160665 | 4.29% | 0.900% |
| 4 | 4.201 | 251 | 257 | 267 | rBV | 453952 | 574180 | 15.32% | 3.216% |
| 5 | 4.330 | 273 | 279 | 289 | rBV | 47891 | 99772 | 2.66% | 0.559% |
| 6 | 4.806 | 356 | 360 | 365 | rVB | 50985 | 72188 | 1.93% | 0.404% |
| 7 | 5.288 | 436 | 442 | 453 | rBV | 892989 | 1291304 | 34.45% | 7.233% |
| 8 | 6.839 | 700 | 706 | 710 | rBV3 | 92708 | 151219 | 4.03% | 0.847% |
| 9 | 6.898 | 710 | 716 | 729 | rVB | 841388 | 1293143 | 34.50% | 7.243% |
| 10 | 7.238 | 766 | 774 | 783 | rBV | 966243 | 1478668 | 39.45% | 8.282% |
| 11 | 7.691 | 846 | 851 | 858 | rVB | 166509 | 269582 | 7.19% | 1.510% |
| 12 | 8.014 | 899 | 906 | 912 | rBV | 678714 | 1066725 | 28.46% | 5.975% |
| 13 | 8.854 | 1041 | 1049 | 1058 | rBV | 593481 | 957228 | 25.54% | 5.361% |
| 14 | 9.277 | 1115 | 1121 | 1128 | rBV2 | 26646 | 44119 | 1.18% | 0.247% |
| 15 | 10.488 | 1320 | 1327 | 1334 | rBV | 214997 | 353428 | 9.43% | 1.980% |
| 16 | 12.973 | 1743 | 1750 | 1756 | rBV | 1349188 | 1930928 | 51.52% | 10.815% |
| 17 | 14.354 | 1977 | 1985 | 1992 | rBV2 | 277590 | 417684 | 11.14% | 2.339% |
| 18 | 15.846 | 2233 | 2239 | 2246 | rBV | 1408892 | 1879609 | 50.15% | 10.528% |
| 19 | 17.097 | 2446 | 2452 | 2460 | rBV2 | 428161 | 627328 | 16.74% | 3.514% |
| 20 | 18.002 | 2601 | 2606 | 2616 | rBV4 | 39742 | 72420 | 1.93% | 0.406% |
| 21 | 19.736 | 2894 | 2901 | 2908 | rBV | 3122139 | 3747950 | 100.00% | 20.992% |
| 22 | 21.287 | 3160 | 3165 | 3174 | rBV | 594585 | 734944 | 19.61% | 4.116% |
| 23 | 23.549 | 3545 | 3550 | 3559 | rBV2 | 86437 | 190987 | 5.10% | 1.070% |

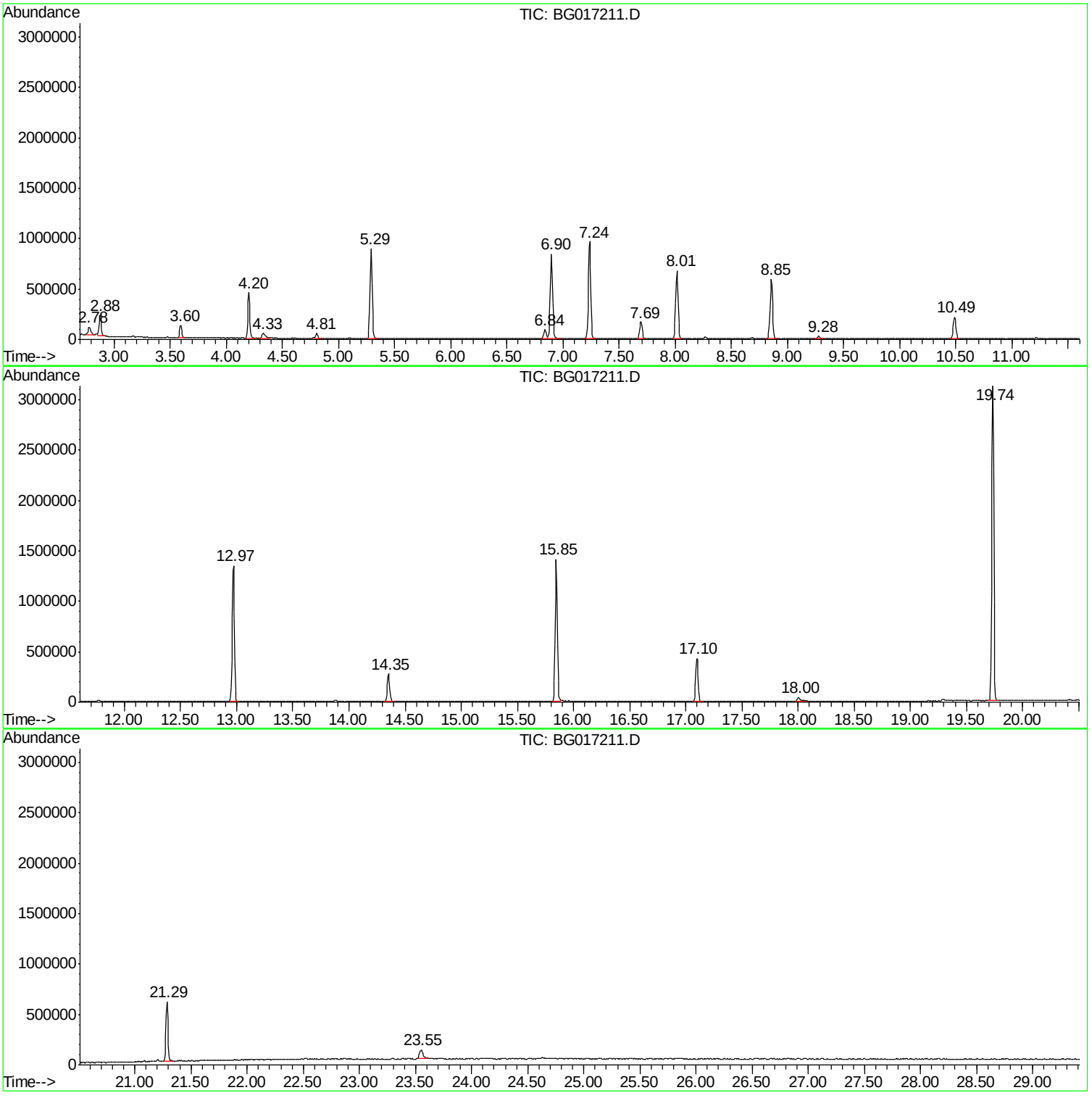
Sum of corrected areas: 17853859

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

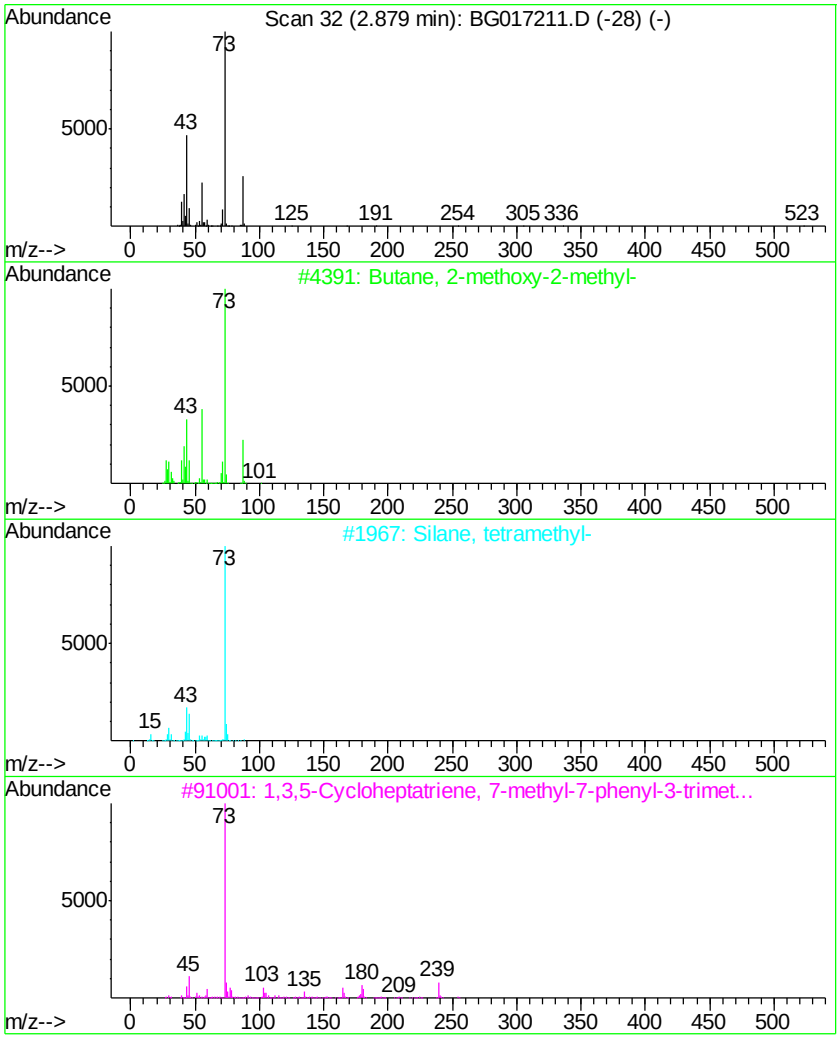
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

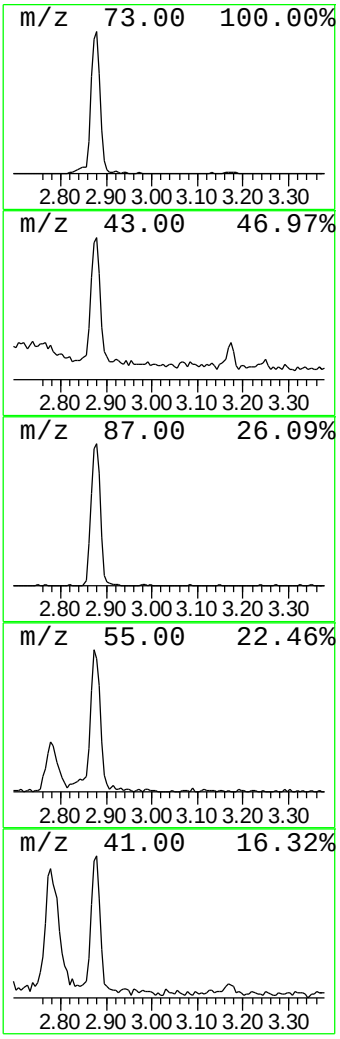
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.88 | 22.51 ng | 303472 | 1,4-Dichlorobenzene-d4 | 7.70 |

| 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 | 23 |
| 3 | 1,3,5-Cycloheptatriene, 7-methyl... | 254 | C17H22Si | 1000160-93-0 | 9 |
| 4 | Propane, 1-ethoxy- | 88 | C5H12O | 000628-32-0 | 9 |
| 5 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

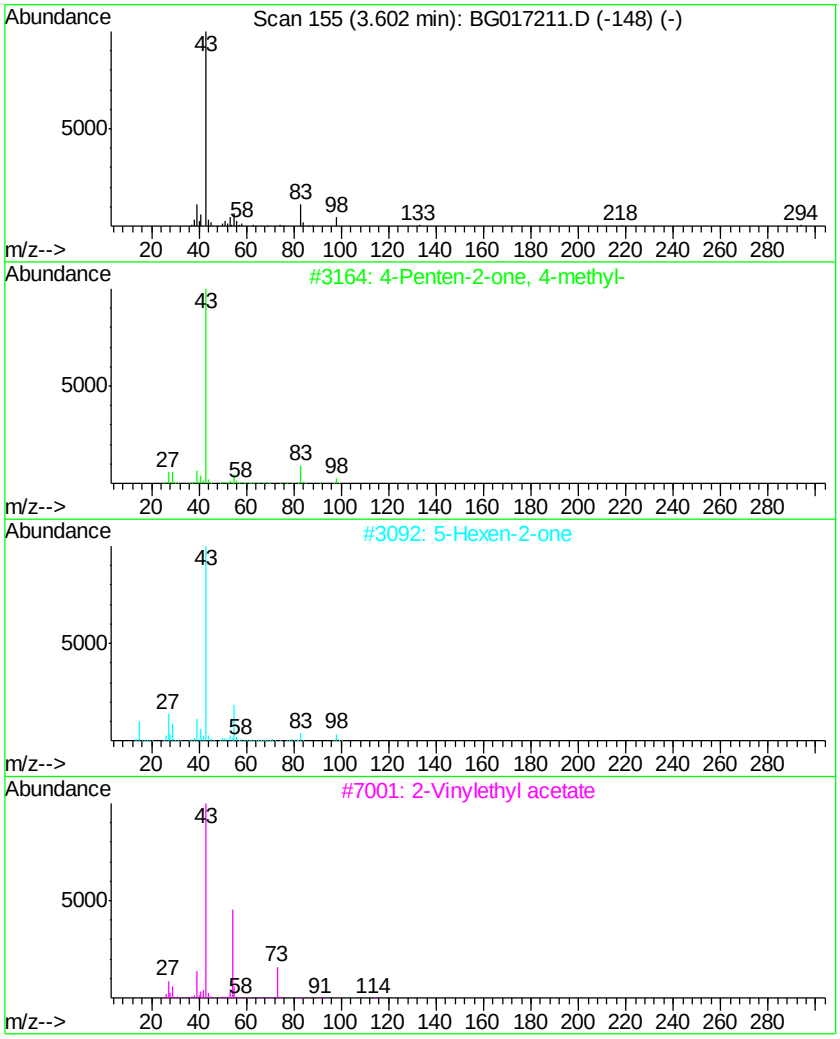
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

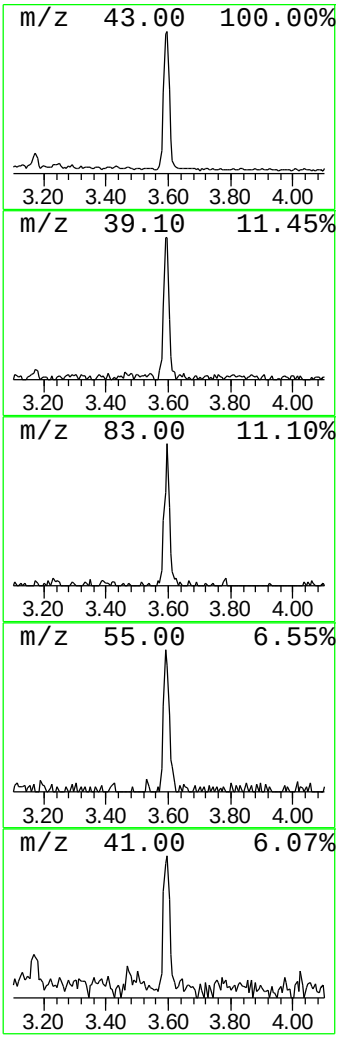
**********

Peak Number 3 4-Penten-2-one, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.60 | 11.92 ng | 160665 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Penten-2-one, 4-methyl- | 98 | C6H10O | 003744-02-3 | 53 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 38 |
| 3 | 2-Vinylethyl acetate | 114 | C6H10O2 | 001576-84-7 | 12 |
| 4 | Ethanone, 1-(2-methylcyclopropyl)- | 98 | C6H10O | 000930-56-3 | 10 |
| 5 | 2-Propanone, 1-cyclopropyl- | 98 | C6H10O | 004160-75-2 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

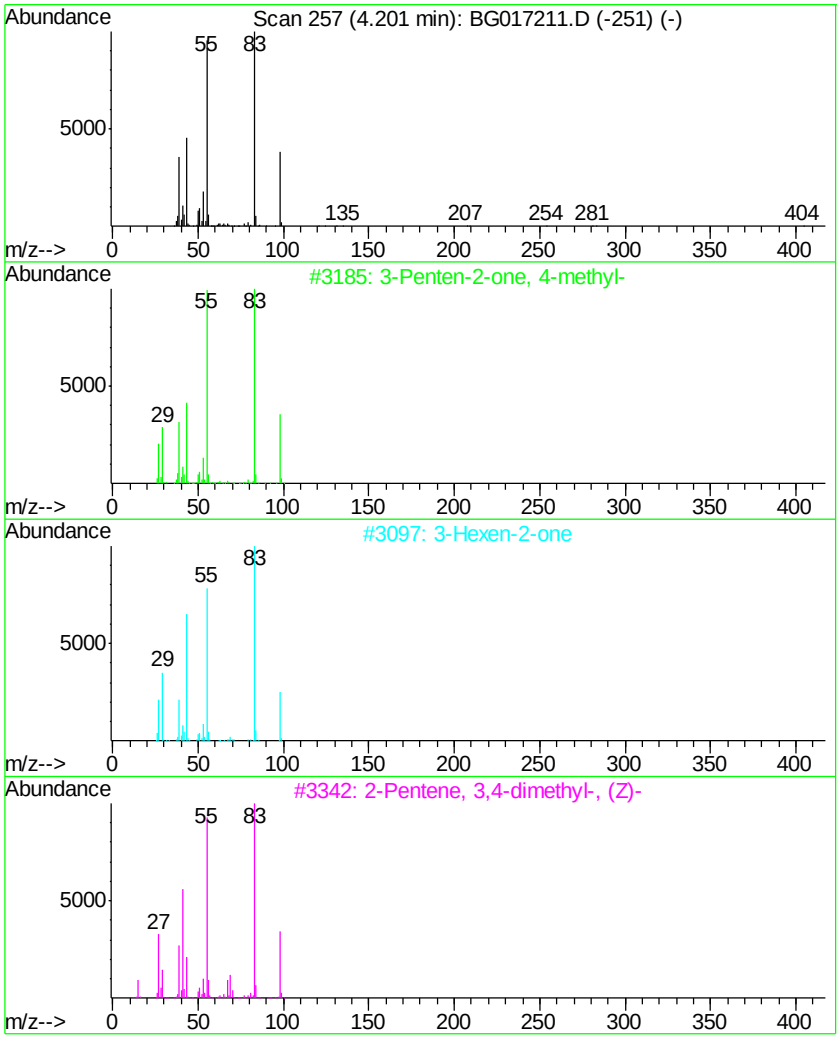
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

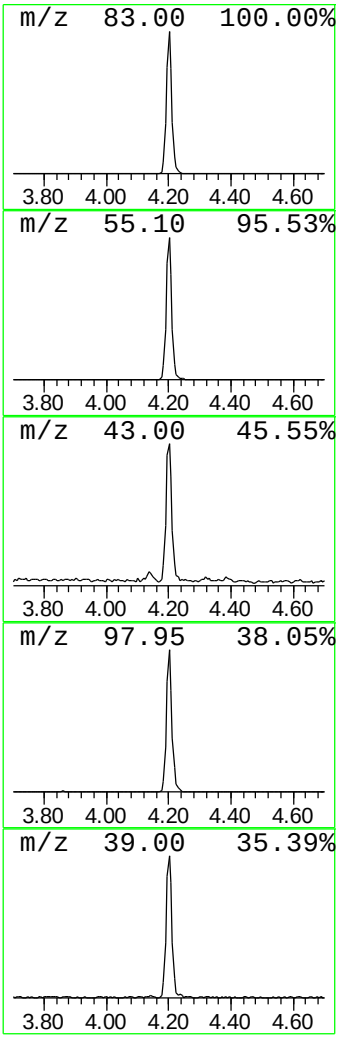
**********

Peak Number 4 3-Penten-2-one, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.20 | 42.60 ng | 574180 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 95 |
| 2 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 90 |
| 3 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 90 |
| 4 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 86 |
| 5 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 72 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

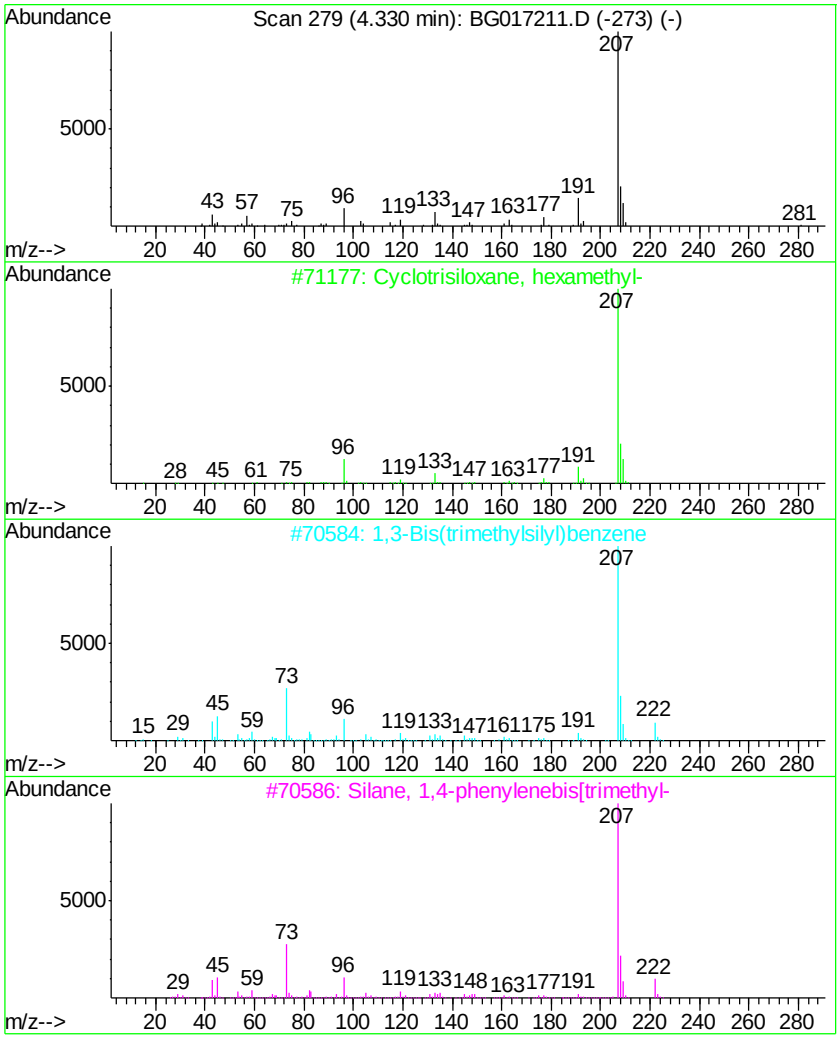
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

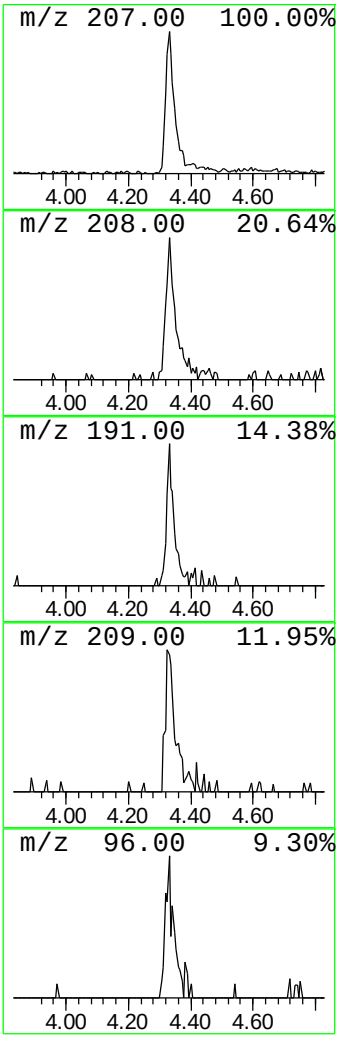
**********

Peak Number 5 Cyclotrisiloxane, hexamethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.33 | 7.40 ng | 99772 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 2 | 1,3-Bis(trimethylsilyl)benzene | 222 | C12H22Si2 | 002060-89-1 | 56 |
| 3 | Silane, 1,4-phenylenebis[trimethyl- | 222 | C12H22Si2 | 013183-70-5 | 56 |
| 4 | 2-Ethylacridine | 207 | C15H13N | 055751-83-2 | 50 |
| 5 | Silane, trimethyl[5-methyl-2-(1-... | 222 | C13H22OSi | 055012-80-1 | 50 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

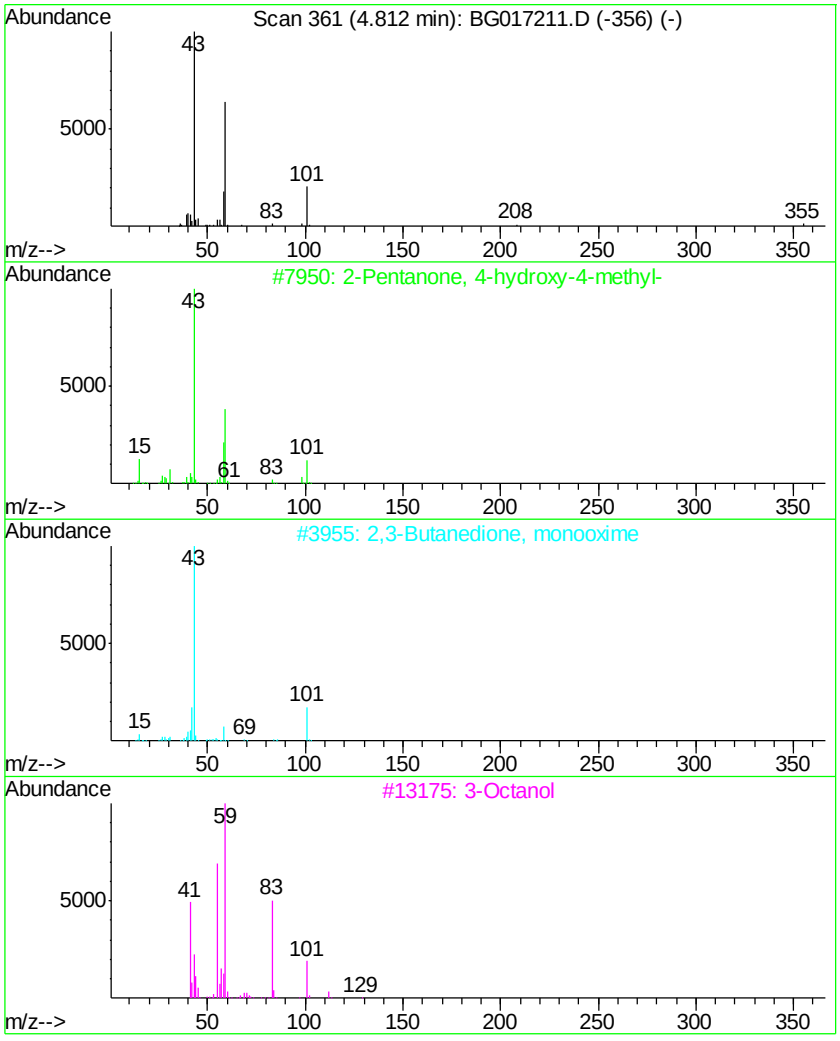
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

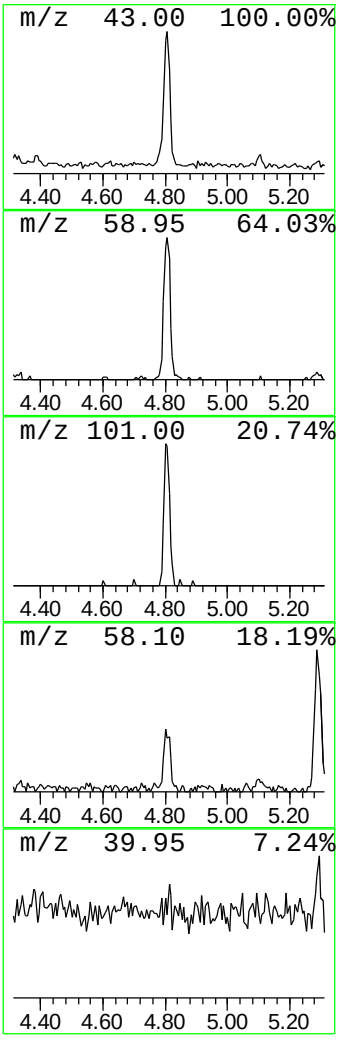
**********

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.81 | 5.36 ng | 72188 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 3 | 3-Octanol | 130 | C8H18O | 020296-29-1 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 16 |
| 5 | 2-Propanone, 1-(1-methylethoxy)- | 116 | C6H12O2 | 042781-12-4 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

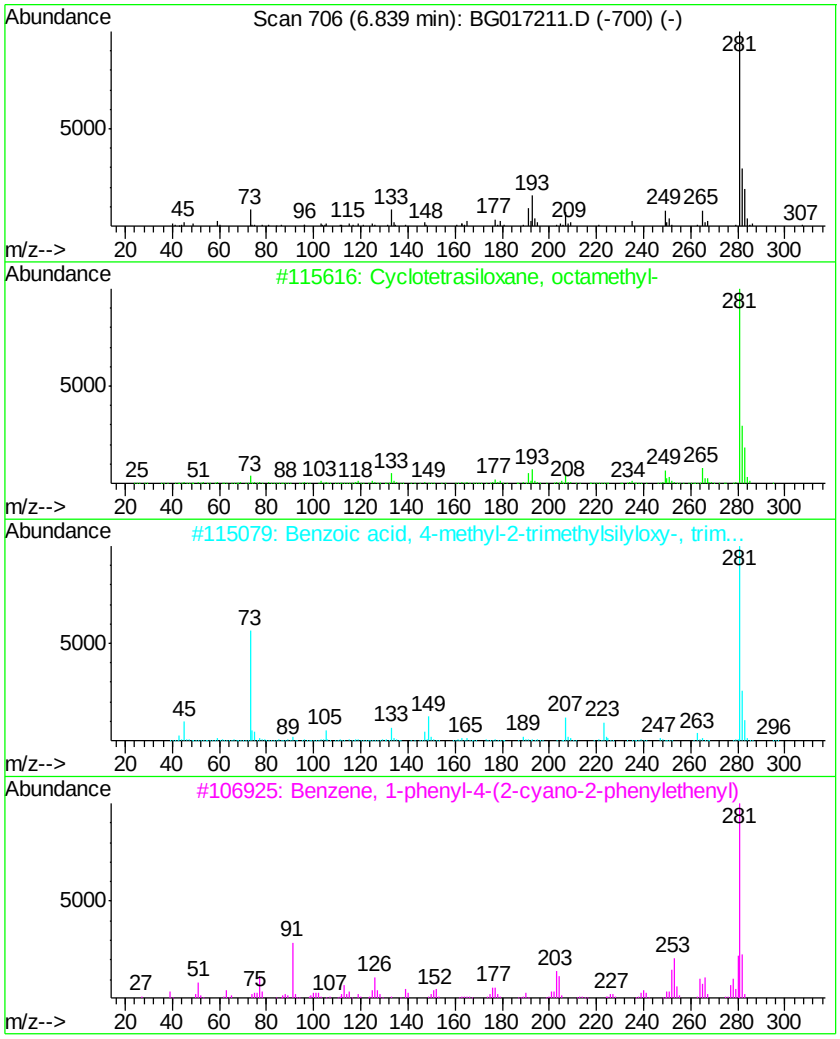
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

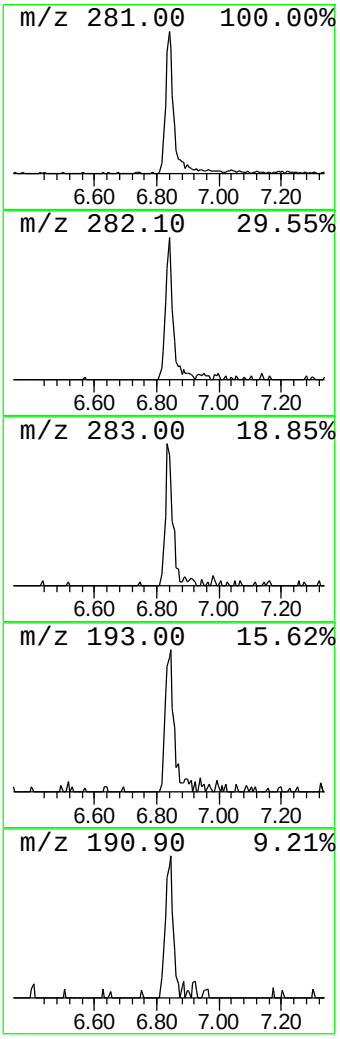
**********

Peak Number 7 Cyclotetrasiloxane, octamet... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.84 | 11.22 ng | 151219 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 87 |
| 2 | Benzoic acid, 4-methyl-2-trimeth... | 296 | C14H24O3Si2 | 1000153-59-3 | 53 |
| 3 | Benzene, 1-phenyl-4-(2-cyano-2-p... | 281 | C21H15N | 027869-56-3 | 53 |
| 4 | 5-(p-Aminophenyl)-4-(p-tolyl)-2-... | 281 | C16H15N3S | 094460-46-5 | 50 |
| 5 | trans-4-Dimethylamino-4'-methoxy... | 281 | C18H19NO2 | 052119-37-6 | 45 |



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Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

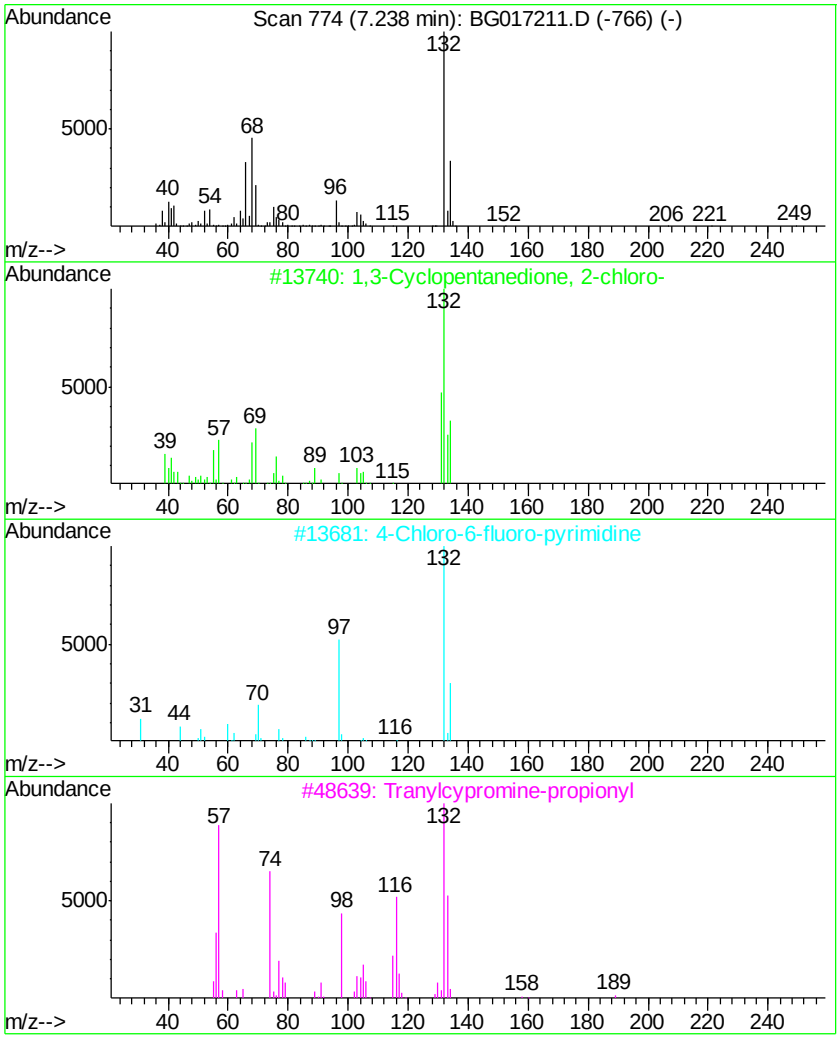
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

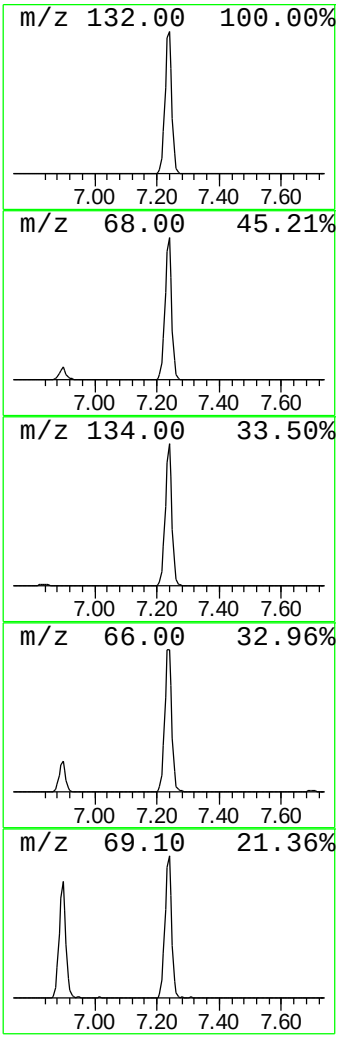
**********

Peak Number 8 unknown7.24 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.24 | 109.70 ng | 1478670 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 35 |
| 2 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |



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Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

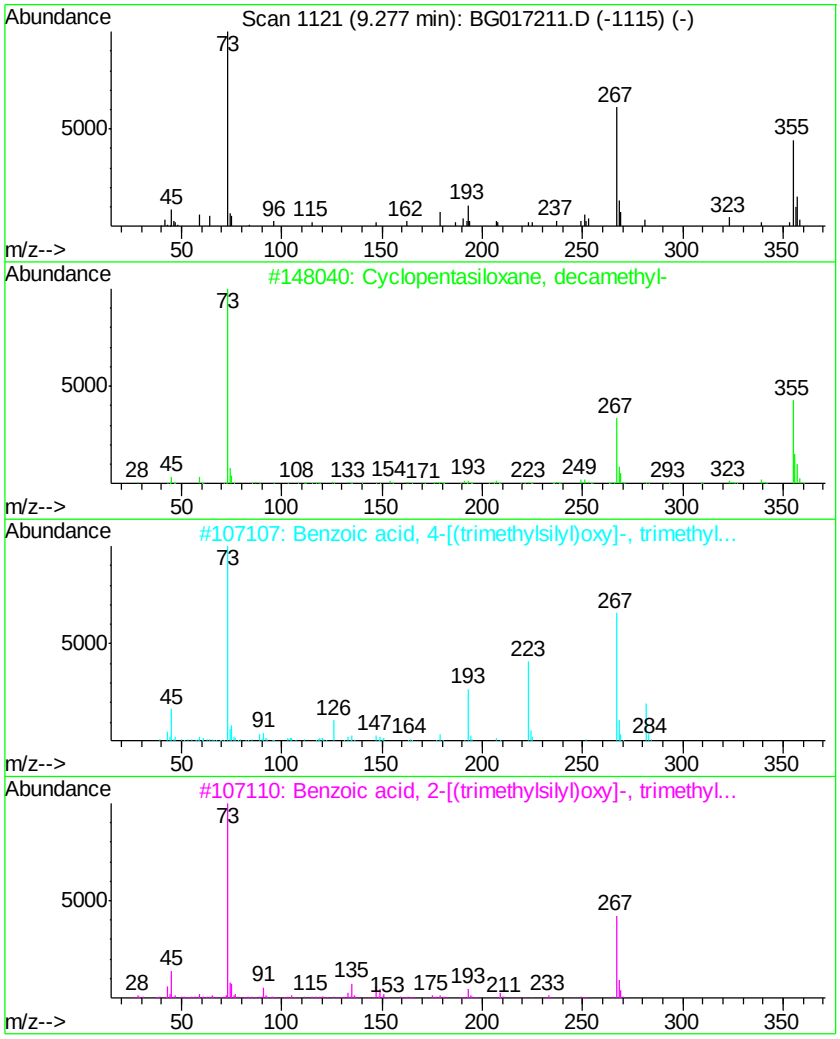
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

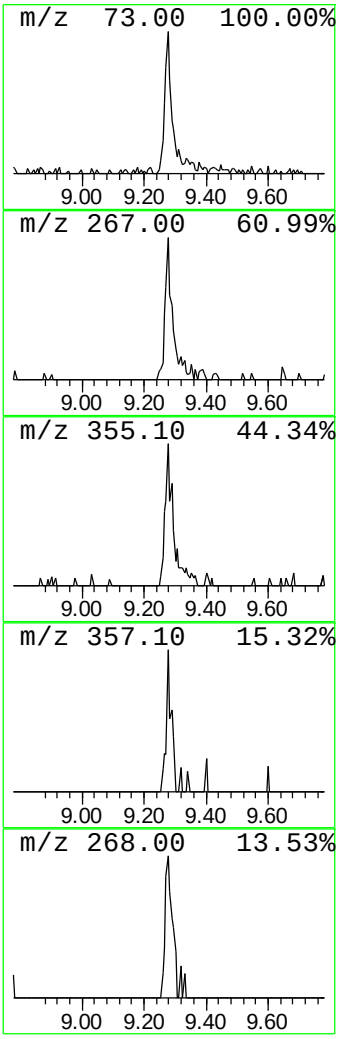
**********

Peak Number 10 Cyclopentasiloxane, decamet... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.28 | 2.50 ng | 44119 | Naphthalene-d8 | 10.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 59 |
| 2 | Benzoic acid, 4-[(trimethylsilyl... | 282 | C13H22O3Si2 | 002078-13-9 | 25 |
| 3 | Benzoic acid, 2-[(trimethylsilyl... | 282 | C13H22O3Si2 | 003789-85-3 | 25 |
| 4 | Benzeneethanamine, N-[(pentafluo... | 475 | C21H26F5NO2Si2 | 055429-85-1 | 25 |
| 5 | Phenylpropylamine, N-acetyl-3,4,... | 267 | C14H21NO4 | 112369-97-8 | 22 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

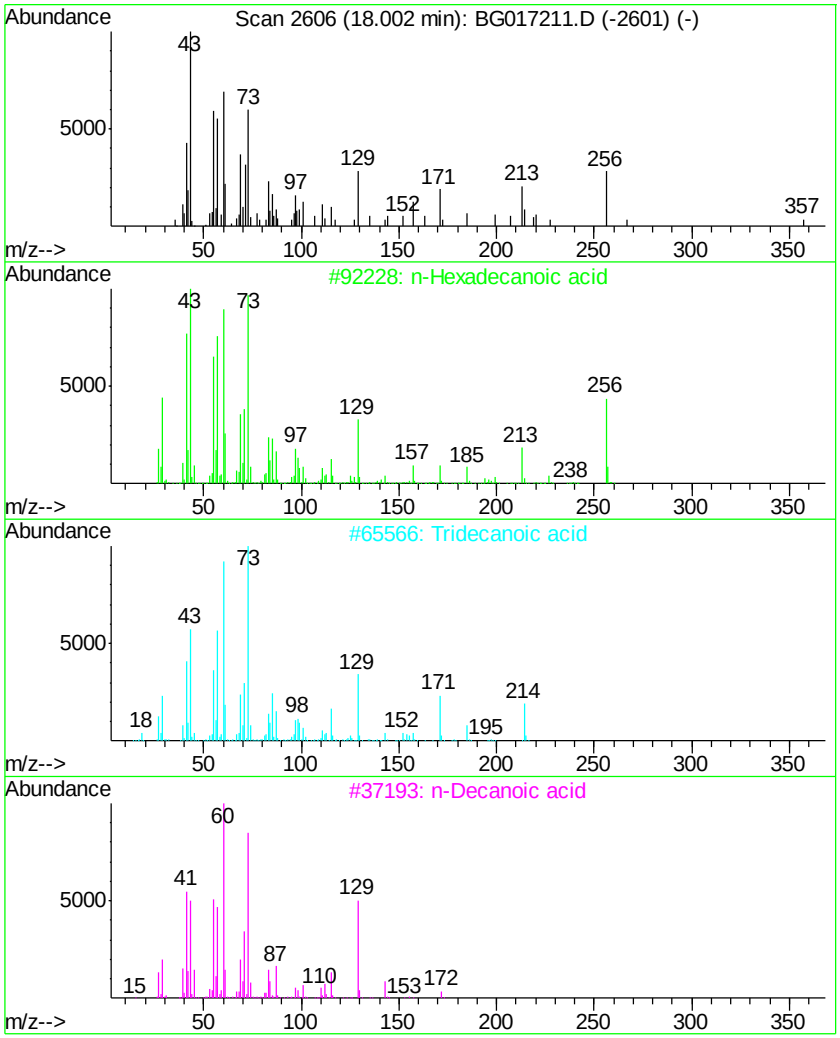
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

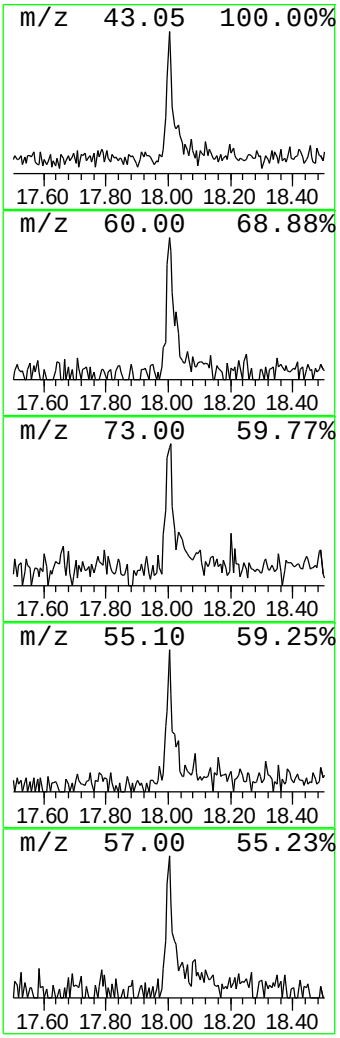
**********

Peak Number 11 n-Hexadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.00 | 2.31 ng | 72420 | Phenanthrene-d10 | 17.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 30 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 27 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 27 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 27 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051915\
Data File : BG017211.D
Acq On : 19 May 2015 22:44
Operator : TP/IZ
Sample : G2283-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-02-D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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... | 2.88 | 22.5 | ng | 303472 | 1 | 7.70 | 269582 | 20.0 |
| 4-Penten-2-one, 4... | 3.60 | 11.9 | ng | 160665 | 1 | 7.70 | 269582 | 20.0 |
| 3-Penten-2-one, 4... | 4.20 | 42.6 | ng | 574180 | 1 | 7.70 | 269582 | 20.0 |
| Cyclotrisiloxane,... | 4.33 | 7.4 | ng | 99772 | 1 | 7.70 | 269582 | 20.0 |
| 2-Pentanone, 4-hy... | 4.81 | 5.4 | ng | 72188 | 1 | 7.70 | 269582 | 20.0 |
| Cyclotetrasiloxan... | 6.84 | 11.2 | ng | 151219 | 1 | 7.70 | 269582 | 20.0 |
| unknown7.24 | 7.24 | 109.7 | ng | 1478670 | 1 | 7.70 | 269582 | 20.0 |
| Cyclopentasiloxan... | 9.28 | 2.5 | ng | 44119 | 2 | 10.49 | 353428 | 20.0 |
| n-Hexadecanoic acid | 18.00 | 2.3 | ng | 72420 | 4 | 17.10 | 627328 | 20.0 |