LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

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-BF031115.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 | 1.355 | 38 | 41 | 44 | rVB | 156949 | 221128 | 13.00% | 2.251% |
| 2 | 1.515 | 52 | 55 | 58 | rBV | 190220 | 216299 | 12.71% | 2.202% |
| 3 | 1.618 | 62 | 64 | 70 | rVB2 | 7695 | 19306 | 1.13% | 0.197% |
| 4 | 1.744 | 74 | 75 | 81 | rBV | 69225 | 100938 | 5.93% | 1.028% |
| 5 | 1.950 | 91 | 93 | 100 | rVB | 39188 | 57837 | 3.40% | 0.589% |
| 6 | 4.830 | 344 | 345 | 352 | rVB | 31183 | 44053 | 2.59% | 0.448% |
| 7 | 5.379 | 390 | 393 | 399 | rVB | 328769 | 415062 | 24.39% | 4.225% |
| 8 | 6.670 | 504 | 506 | 509 | rBV | 282565 | 261091 | 15.34% | 2.658% |
| 9 | 6.807 | 515 | 518 | 520 | rBV | 851025 | 817016 | 48.02% | 8.317% |
| 10 | 7.093 | 540 | 543 | 546 | rBV | 252509 | 221481 | 13.02% | 2.255% |
| 11 | 7.276 | 557 | 559 | 562 | rBV | 735306 | 752613 | 44.23% | 7.662% |
| 12 | 7.790 | 602 | 604 | 606 | rBV | 703196 | 620595 | 36.47% | 6.318% |
| 13 | 8.670 | 679 | 681 | 684 | rBV | 354860 | 305680 | 17.96% | 3.112% |
| 14 | 10.019 | 797 | 799 | 801 | rBV | 1535540 | 1338892 | 78.69% | 13.630% |
| 15 | 10.773 | 861 | 865 | 869 | rBV2 | 12577 | 22195 | 1.30% | 0.226% |
| 16 | 10.842 | 869 | 871 | 873 | rVB | 361675 | 360205 | 21.17% | 3.667% |
| 17 | 11.813 | 954 | 956 | 959 | rBV2 | 671588 | 801174 | 47.08% | 8.156% |
| 18 | 12.671 | 1029 | 1031 | 1034 | rBV | 307843 | 388195 | 22.81% | 3.952% |
| 19 | 14.671 | 1204 | 1206 | 1209 | rBV | 1276901 | 1701580 | 100.00% | 17.323% |
| 20 | 15.905 | 1311 | 1314 | 1321 | rBV2 | 21211 | 41322 | 2.43% | 0.421% |
| 21 | 16.008 | 1321 | 1323 | 1326 | rBV | 382803 | 457457 | 26.88% | 4.657% |
| 22 | 17.917 | 1485 | 1490 | 1493 | rBV | 320770 | 509315 | 29.93% | 5.185% |
| 23 | 18.431 | 1532 | 1535 | 1538 | rBV | 27152 | 54122 | 3.18% | 0.551% |
| 24 | 18.980 | 1580 | 1583 | 1586 | rBV2 | 23154 | 51720 | 3.04% | 0.527% |
| 25 | 19.631 | 1638 | 1640 | 1650 | rVB5 | 16743 | 43650 | 2.57% | 0.444% |

Sum of corrected areas: 9822926

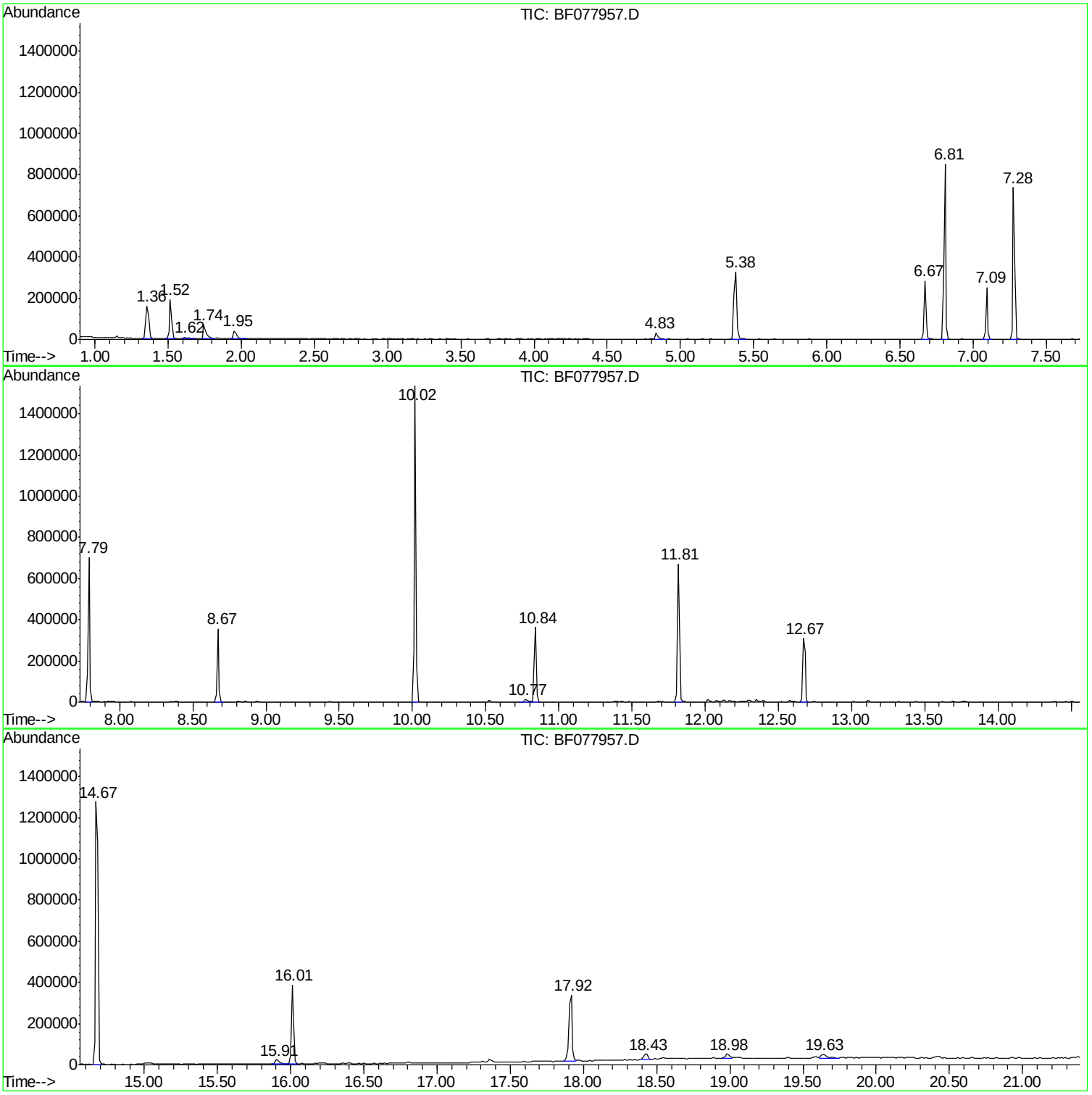
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

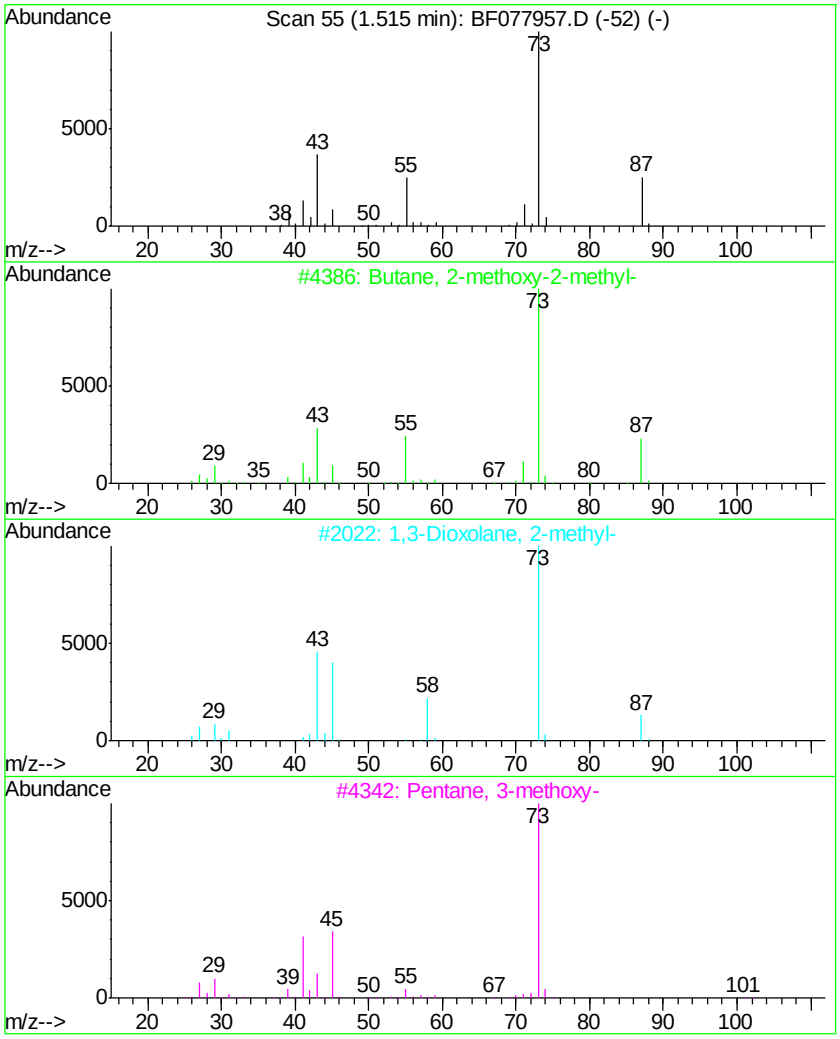
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

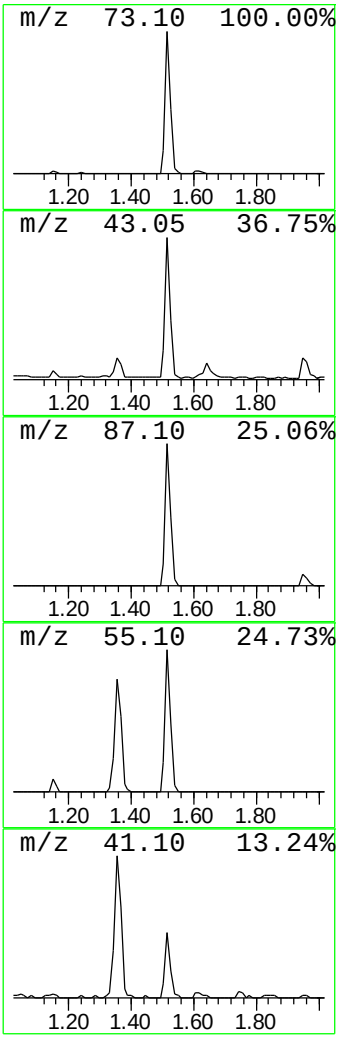
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.52 | 19.53 ng | 216299 | 1,4-Dichlorobenzene-d4 | 7.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

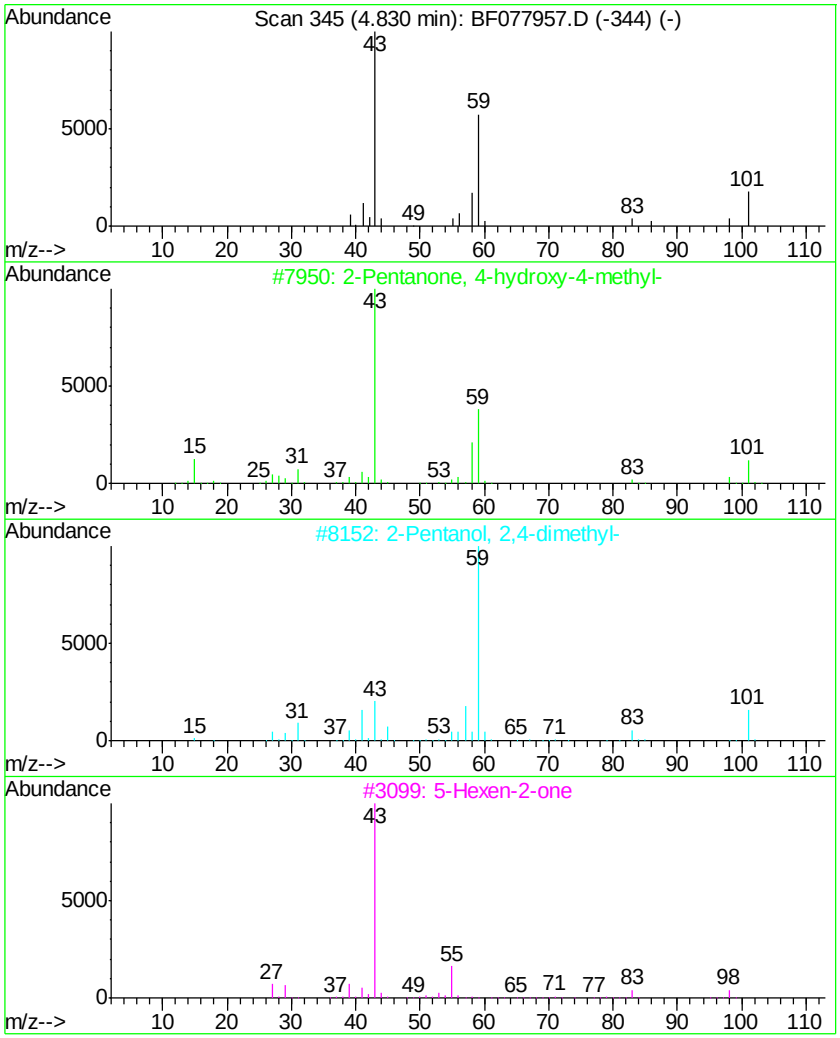
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

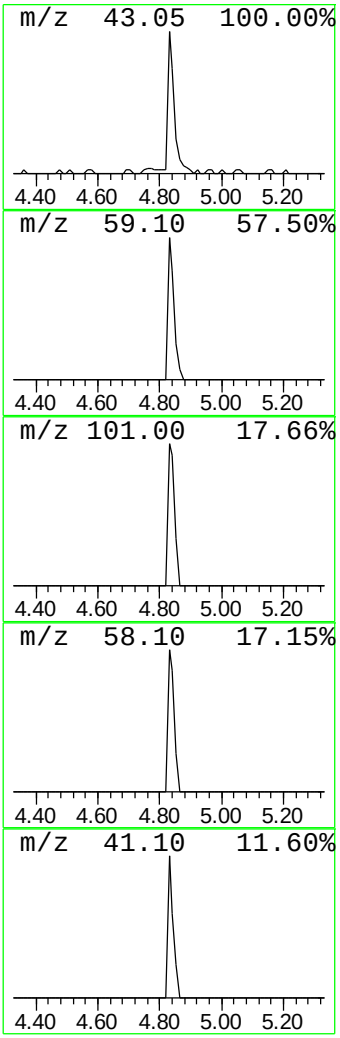
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.83 | 3.98 ng | 44053 | 1,4-Dichlorobenzene-d4 | 7.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 50 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | 1-Butanol, 3-methoxy- | 104 | C5H12O2 | 002517-43-3 | 9 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

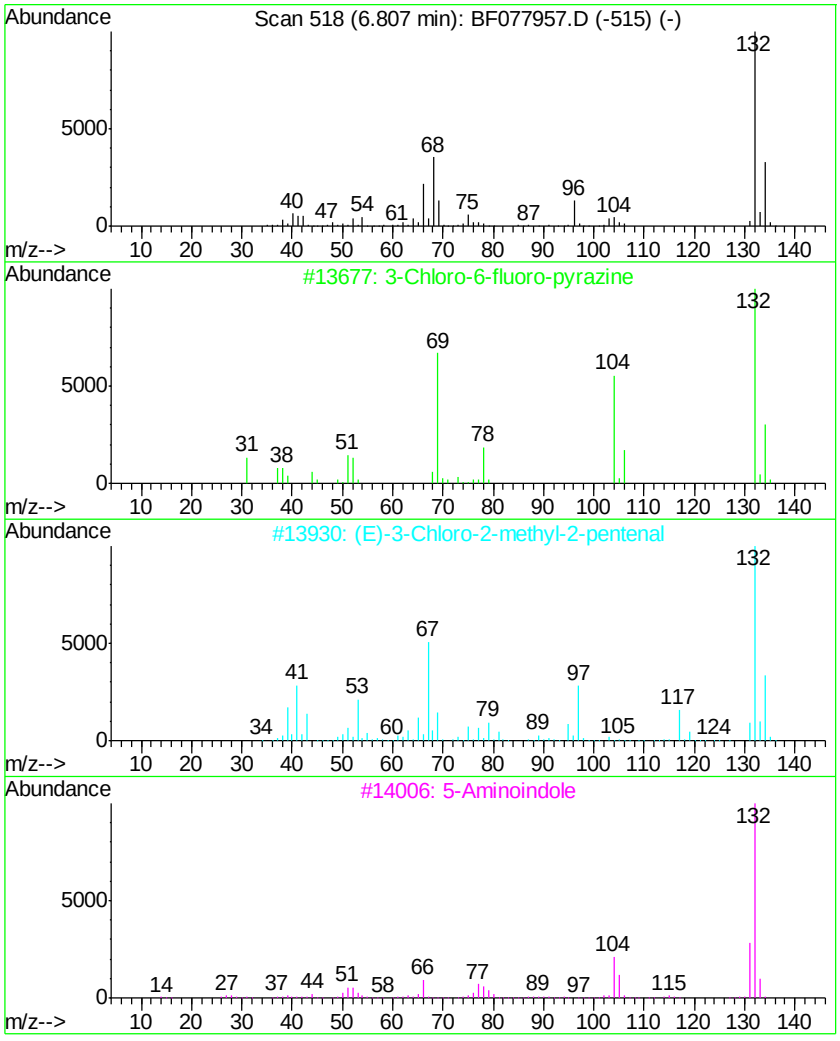
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

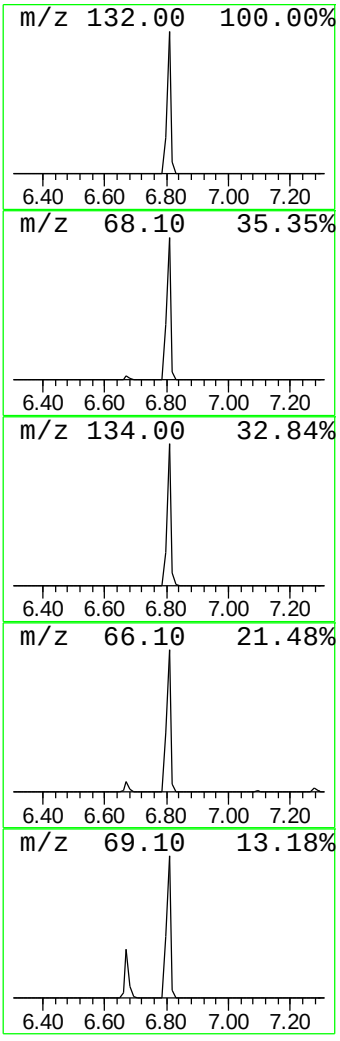
**********

Peak Number 5 unknown6.81 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.81 | 73.78 ng | 817016 | 1,4-Dichlorobenzene-d4 | 7.09 |

| 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 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

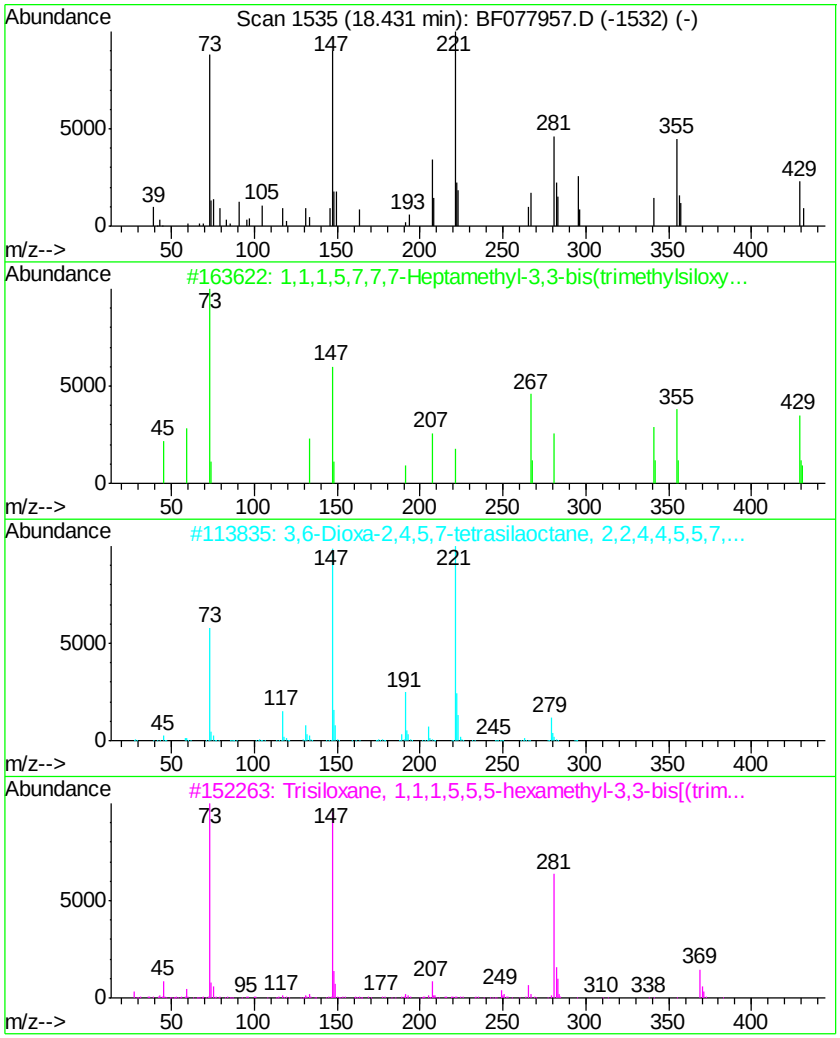
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

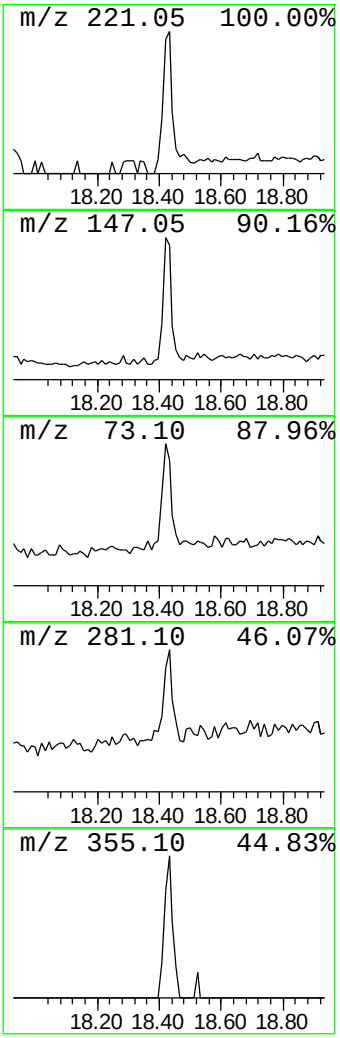
**********

Peak Number 7 unknown18.43 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 2.13 ng | 54122 | Perylene-d12 | 17.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 37 |
| 2 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 32 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 12 |
| 4 | 2,6-Dimethyl-3,4-bis(trimethylsi... | 311 | C15H29NO2Si2 | 1000079-52-1 | 12 |
| 5 | 1,2-Benzenedicarboxylic acid, bi... | 310 | C14H22O4Si2 | 002078-22-0 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

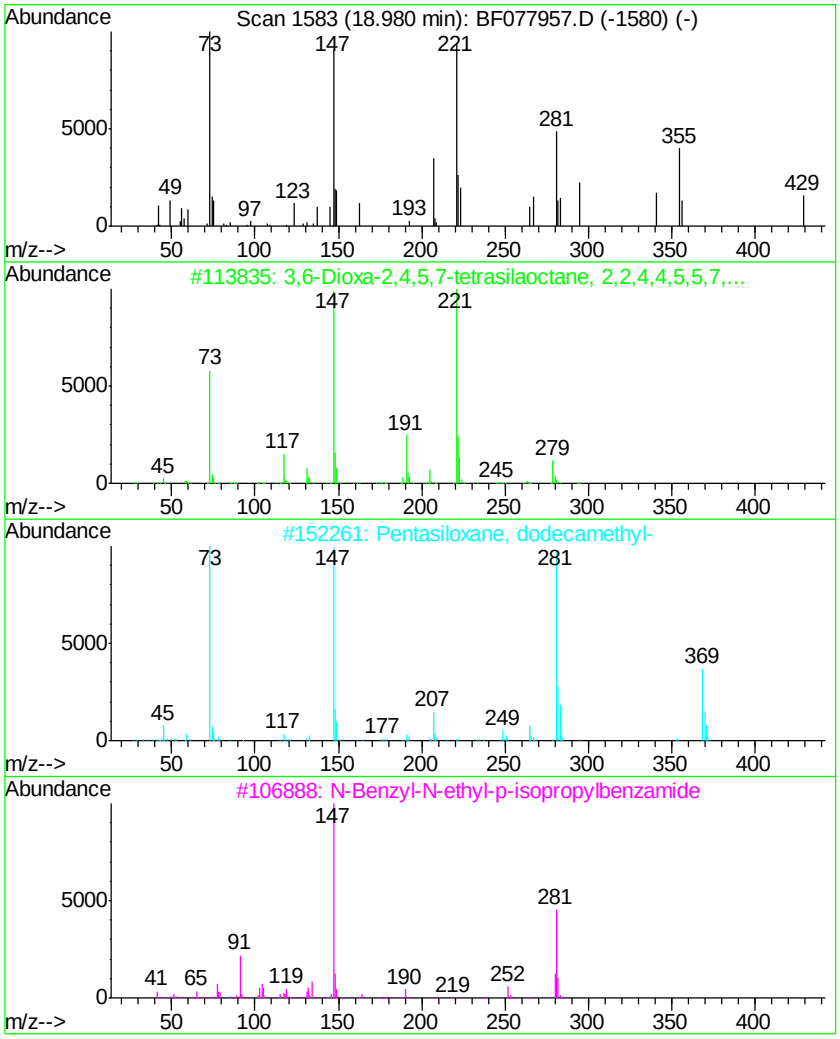
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

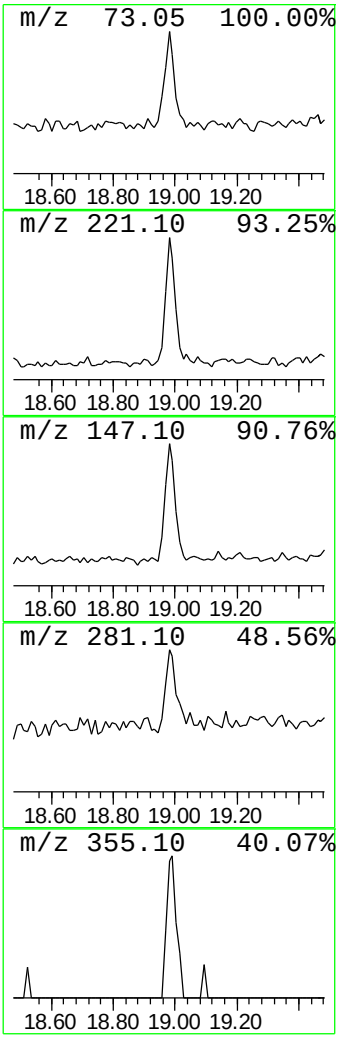
**********

Peak Number 8 unknown18.98 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.98 | 2.03 ng | 51720 | Perylene-d12 | 17.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 37 |
| 2 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 27 |
| 3 | N-Benzyl-N-ethyl-p-isopropylbenz... | 281 | C19H23NO | 015089-22-2 | 16 |
| 4 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 16 |
| 5 | Piperidine, 1-(5-trifluoromethyl... | 295 | C15H16F3N3 | 1000268-74-7 | 10 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032515\
Data File : BF077957.D
Acq On : 25 Mar 2015 17:59
Operator : TP/IZ
Sample : G1612-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.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... | 1.52 | 19.5 | ng | 216299 | 1 | 7.09 | 221481 | 20.0 |
| 2-Pentanone, 4-hy... | 4.83 | 4.0 | ng | 44053 | 1 | 7.09 | 221481 | 20.0 |
| unknown6.81 | 6.81 | 73.8 | ng | 817016 | 1 | 7.09 | 221481 | 20.0 |
| unknown18.43 | 18.43 | 2.1 | ng | 54122 | 6 | 17.92 | 509315 | 20.0 |
| unknown18.98 | 18.98 | 2.0 | ng | 51720 | 6 | 17.92 | 509315 | 20.0 |