LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

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-BF030717.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 | 2.355 | 38 | 41 | 44 | rBV | 81283 | 141644 | 3.01% | 0.326% |
| 2 | 2.412 | 44 | 46 | 55 | rVB | 63936 | 152969 | 3.25% | 0.353% |
| 3 | 3.098 | 103 | 106 | 122 | rBV | 403323 | 879074 | 18.68% | 2.026% |
| 4 | 4.161 | 195 | 199 | 214 | rBV | 983972 | 1751536 | 37.22% | 4.037% |
| 5 | 4.390 | 217 | 219 | 222 | rBV | 41891 | 73810 | 1.57% | 0.170% |
| 6 | 4.458 | 222 | 225 | 227 | rVV | 318892 | 477411 | 10.15% | 1.100% |
| 7 | 4.870 | 259 | 261 | 271 | rBV | 317185 | 558238 | 11.86% | 1.287% |
| 8 | 5.316 | 298 | 300 | 326 | rBV | 3084397 | 4574670 | 97.22% | 10.544% |
| 9 | 6.333 | 387 | 389 | 391 | rBV | 316352 | 366856 | 7.80% | 0.846% |
| 10 | 6.367 | 391 | 392 | 400 | rVV | 2945835 | 4084238 | 86.80% | 9.413% |
| 11 | 6.481 | 400 | 402 | 405 | rVB | 4361538 | 4277337 | 90.90% | 9.858% |
| 12 | 6.710 | 420 | 422 | 431 | rVB | 895514 | 945372 | 20.09% | 2.179% |
| 13 | 6.859 | 433 | 435 | 438 | rBV | 3182588 | 3268336 | 69.46% | 7.533% |
| 14 | 7.019 | 447 | 449 | 455 | rVB | 255322 | 286242 | 6.08% | 0.660% |
| 15 | 7.281 | 470 | 472 | 485 | rBV | 2769480 | 3080918 | 65.47% | 7.101% |
| 16 | 7.453 | 485 | 487 | 501 | rVV2 | 357461 | 917597 | 19.50% | 2.115% |
| 17 | 8.002 | 532 | 535 | 546 | rBV | 1163542 | 1354550 | 28.79% | 3.122% |
| 18 | 8.162 | 546 | 549 | 555 | rBV | 71985 | 153356 | 3.26% | 0.353% |
| 19 | 8.390 | 567 | 569 | 579 | rVB2 | 38874 | 98421 | 2.09% | 0.227% |
| 20 | 9.076 | 627 | 629 | 632 | rBV | 3423262 | 4705499 | 100.00% | 10.845% |
| 21 | 9.373 | 653 | 655 | 660 | rBV | 117119 | 271272 | 5.76% | 0.625% |
| 22 | 9.716 | 683 | 685 | 687 | rBV | 67151 | 119739 | 2.54% | 0.276% |
| 23 | 9.762 | 687 | 689 | 691 | rVV | 844706 | 1033623 | 21.97% | 2.382% |
| 24 | 10.047 | 711 | 714 | 721 | rBV | 271325 | 666494 | 14.16% | 1.536% |
| 25 | 10.150 | 721 | 723 | 733 | rVB2 | 191869 | 488085 | 10.37% | 1.125% |
| 26 | 10.550 | 756 | 758 | 761 | rBV2 | 1951738 | 2599994 | 55.25% | 5.992% |
| 27 | 11.248 | 817 | 819 | 824 | rBV | 1402647 | 1331024 | 28.29% | 3.068% |
| 28 | 12.836 | 955 | 958 | 961 | rBV | 3916887 | 3862613 | 82.09% | 8.903% |
| 29 | 13.899 | 1049 | 1051 | 1060 | rVB | 635537 | 761489 | 16.18% | 1.755% |
| 30 | 15.328 | 1174 | 1176 | 1182 | rVB2 | 55650 | 105391 | 2.24% | 0.243% |

Sum of corrected areas: 43387798

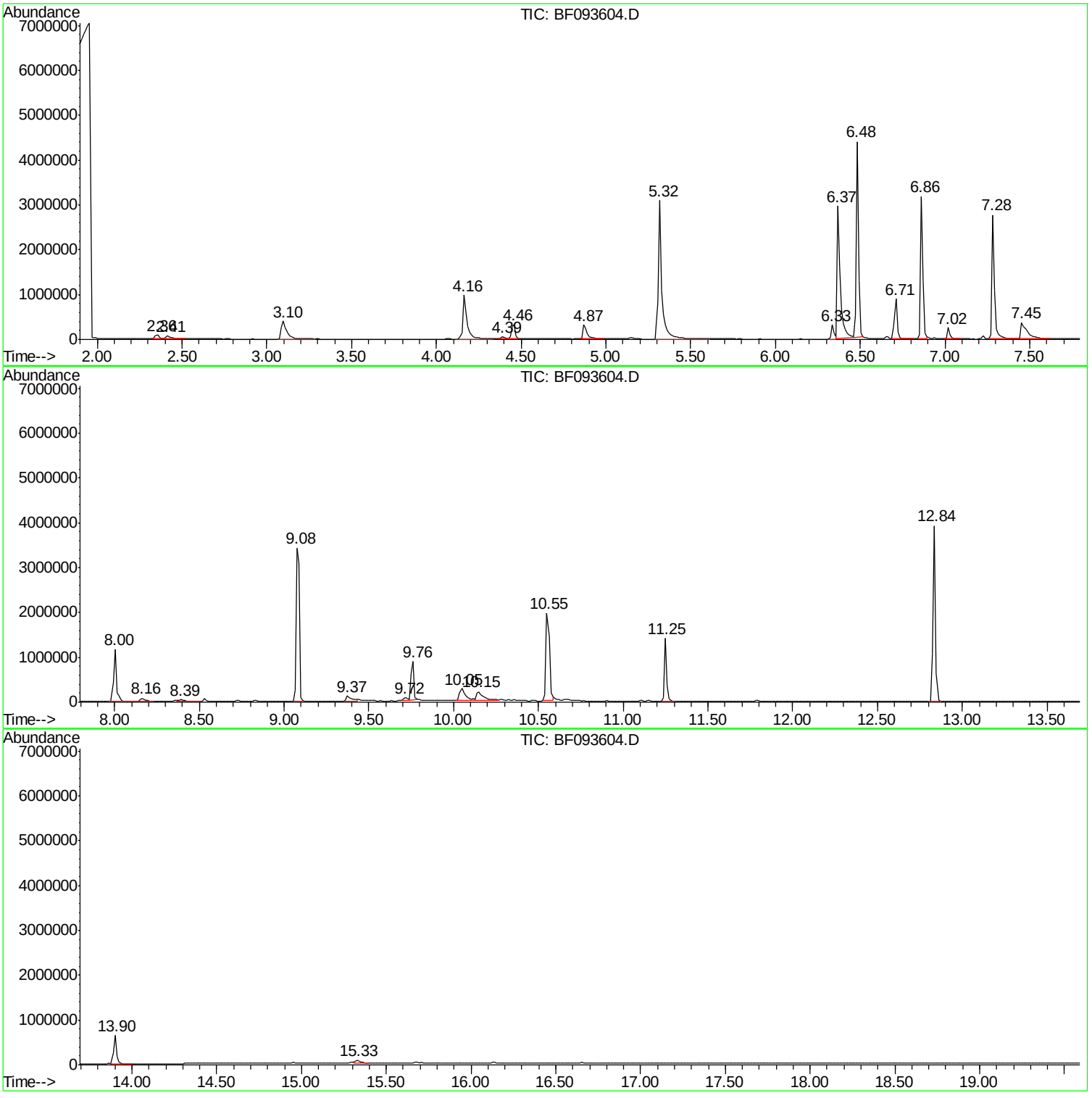
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

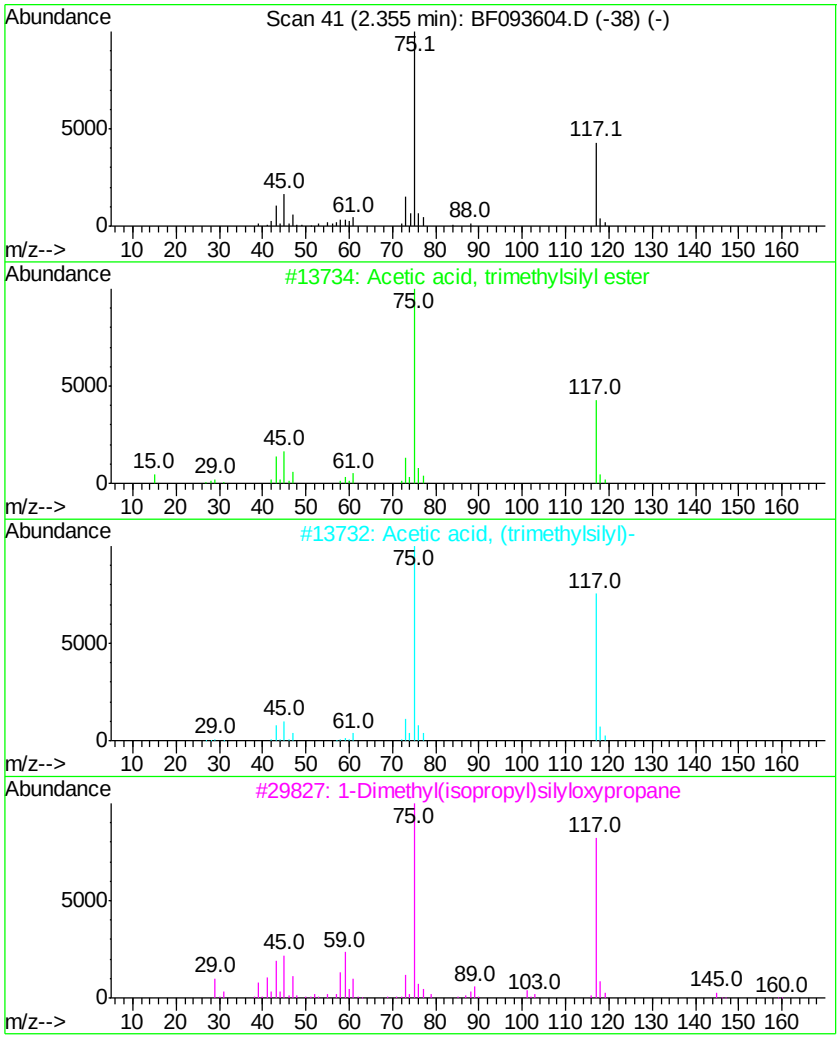
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

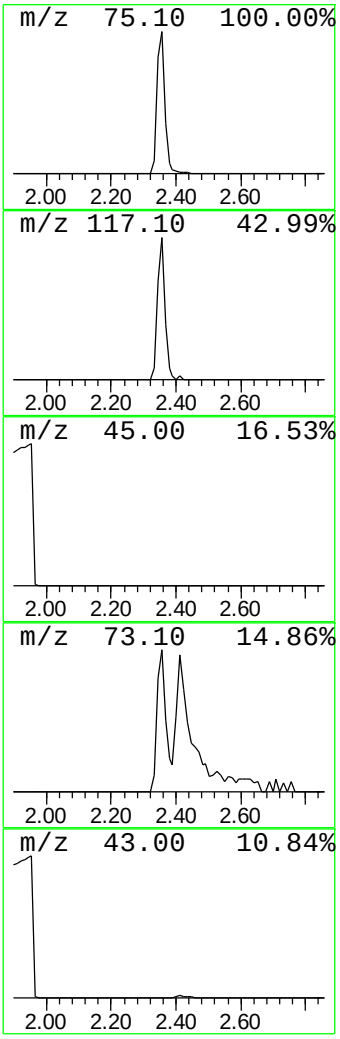
**********

Peak Number 1 Acetic acid, trimethylsilyl... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.36 | 3.00 ng | 141644 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, trimethylsilyl ester | 132 | C5H12O2Si | 018147-36-9 | 90 |
| 2 | Acetic acid, (trimethylsilyl)- | 132 | C5H12O2Si | 002345-38-2 | 83 |
| 3 | 1-Dimethyl(isopropyl)silyloxypro... | 160 | C8H20OSi | 1000279-89-4 | 64 |
| 4 | Silane, trimethyl(1-methylethoxy)- | 132 | C6H16OSi | 001825-64-5 | 56 |
| 5 | 2-Dichloromethyl(dimethyl)silylo... | 200 | C6H14Cl2OSi | 018209-57-9 | 56 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

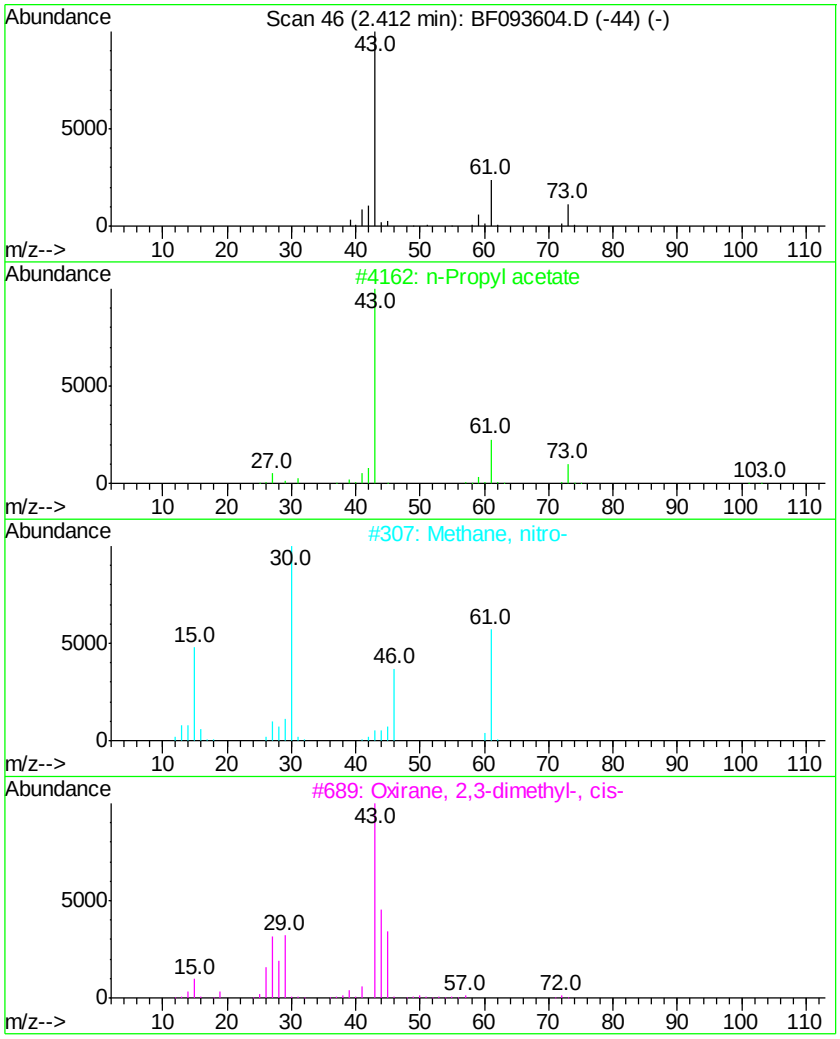
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

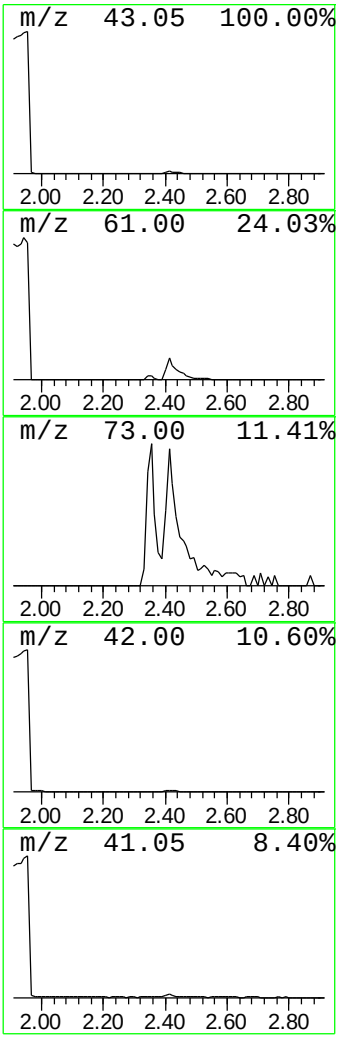
**********

Peak Number 2 n-Propyl acetate Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.41 | 3.24 ng | 152969 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 72 |
| 2 | Methane, nitro- | 61 | CH3NO2 | 000075-52-5 | 5 |
| 3 | Oxirane, 2,3-dimethyl-, cis- | 72 | C4H8O | 001758-33-4 | 5 |
| 4 | 1-Butanamine | 73 | C4H11N | 000109-73-9 | 5 |
| 5 | Isobutylamine | 73 | C4H11N | 000078-81-9 | 5 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

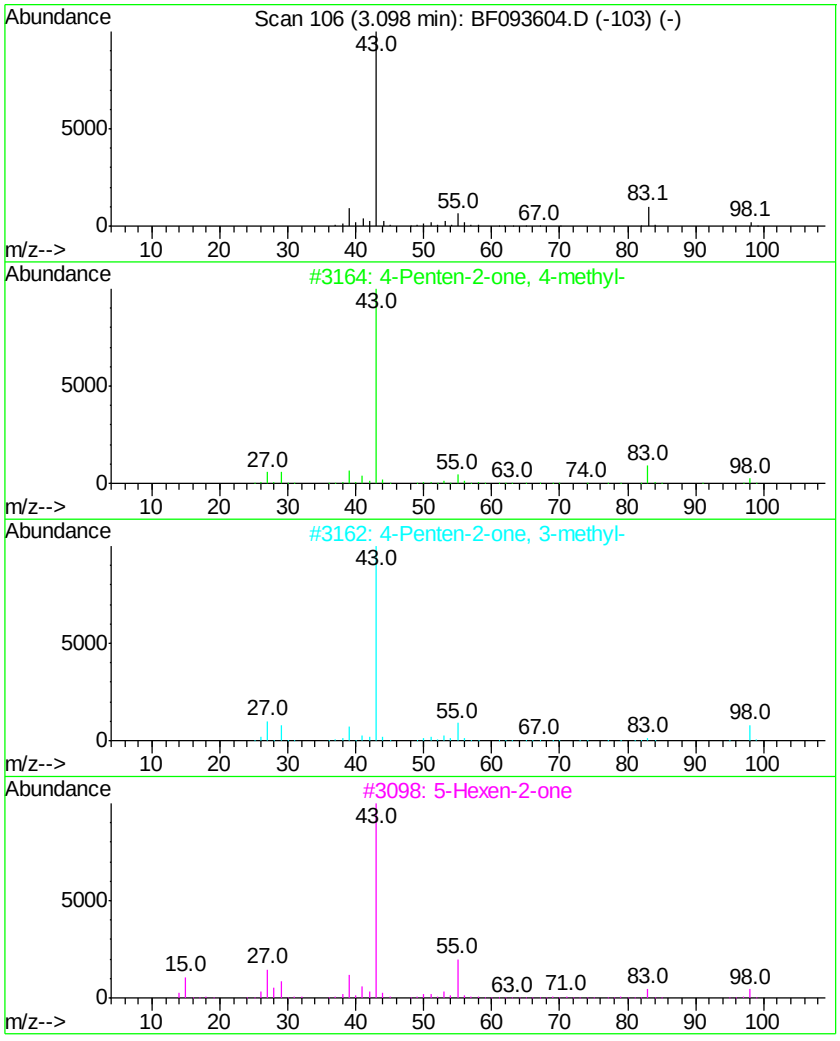
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

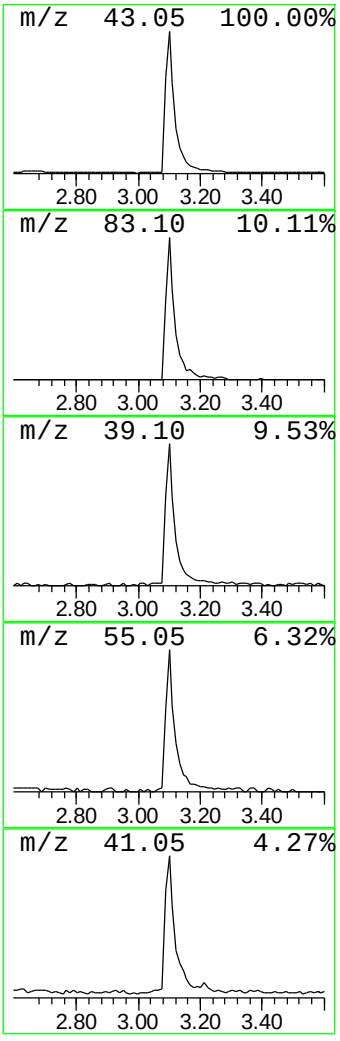
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.10 | 18.60 ng | 879074 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Penten-2-one, 4-methyl- | 98 | C6H10O | 003744-02-3 | 72 |
| 2 | 4-Penten-2-one, 3-methyl- | 98 | C6H10O | 000758-87-2 | 50 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 40 |
| 4 | 3,5-Hexadien-2-ol | 98 | C6H10O | 003280-51-1 | 37 |
| 5 | Methyl 1-methylcyclopropyl ketone | 98 | C6H10O | 001567-75-5 | 12 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

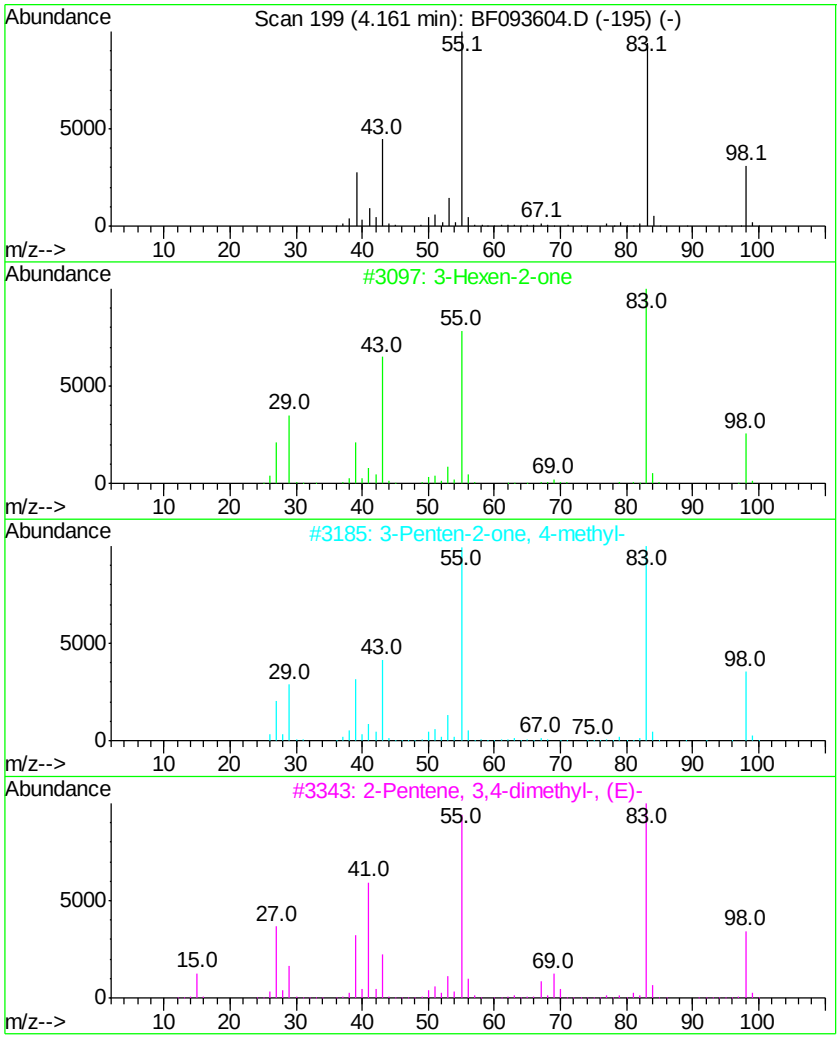
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

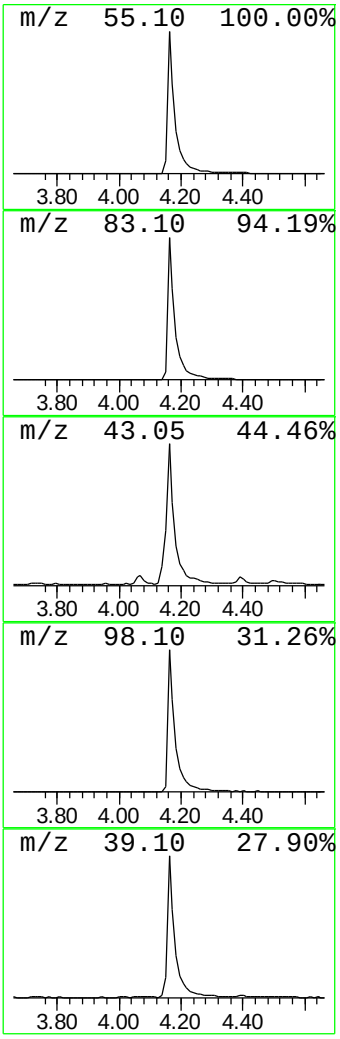
**********

Peak Number 4 3-Hexen-2-one Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.16 | 37.06 ng | 1751540 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 2 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 90 |
| 4 | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14 | 000690-08-4 | 86 |
| 5 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 86 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

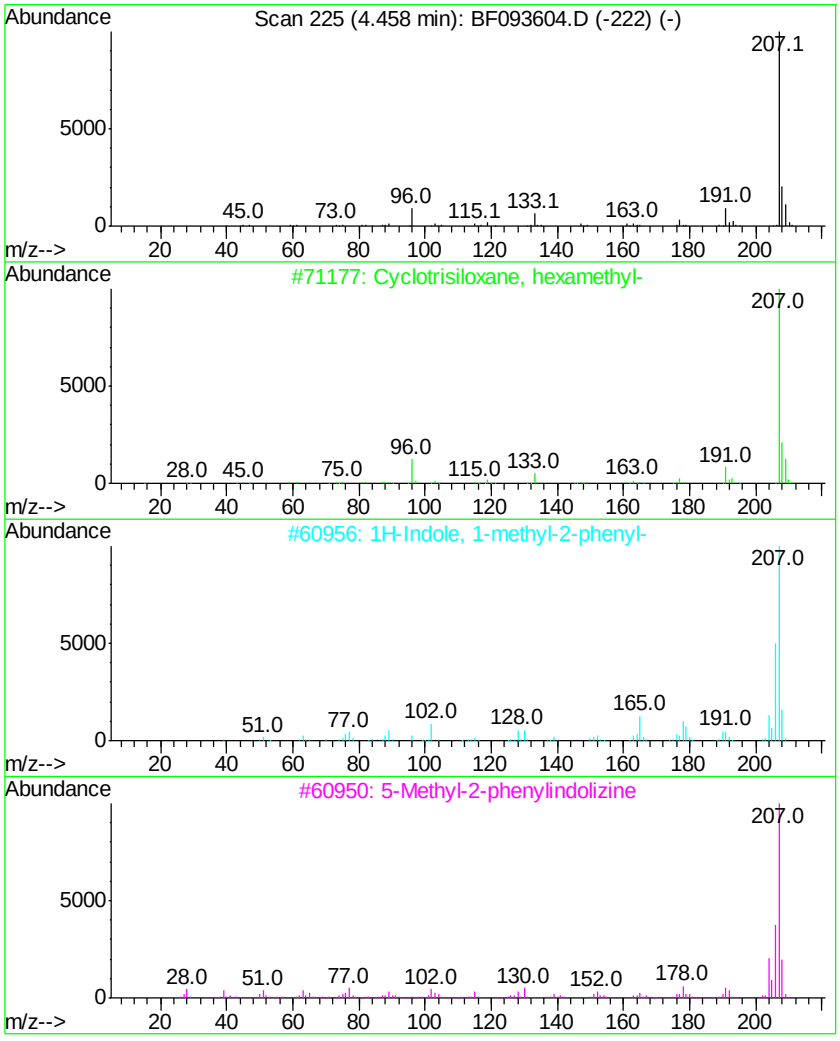
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

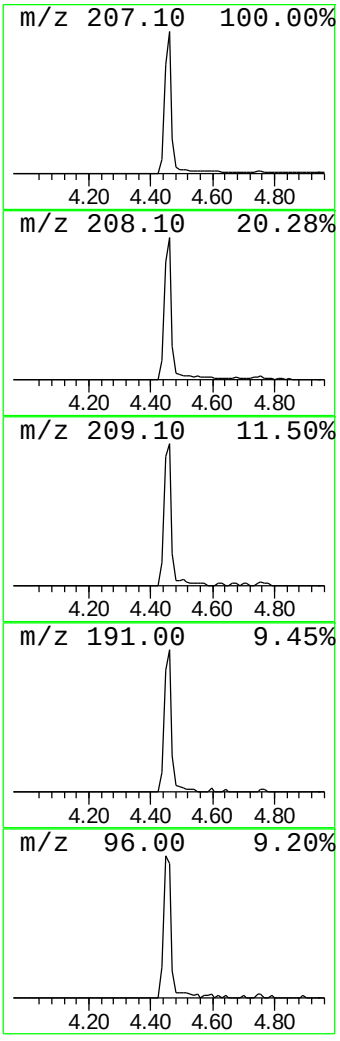
**********

Peak Number 5 Cyclotrisiloxane, hexamethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.46 | 10.10 ng | 477411 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 91 |
| 2 | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N | 003558-24-5 | 39 |
| 3 | 5-Methyl-2-phenylindolizine | 207 | C15H13N | 036944-99-7 | 38 |
| 4 | Benzo[h]quinoline, 2,4-dimethyl- | 207 | C15H13N | 000605-67-4 | 38 |
| 5 | 1-Methyl-3-phenylindole | 207 | C15H13N | 030020-98-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

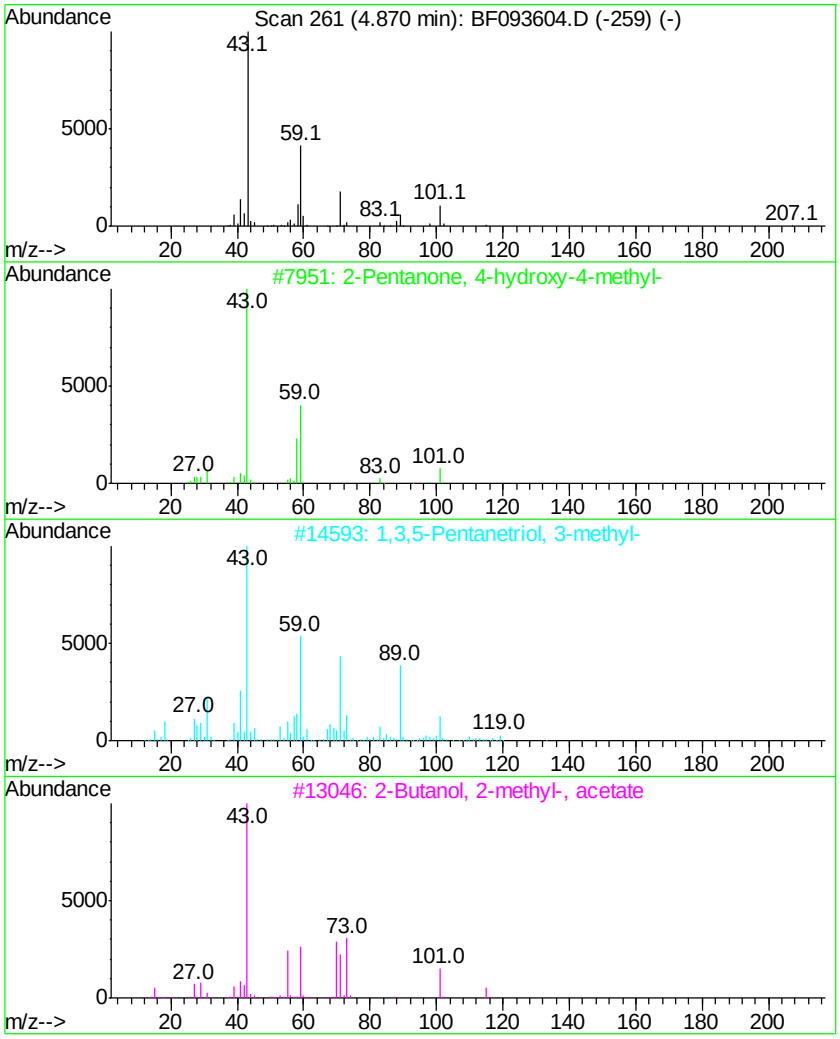
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

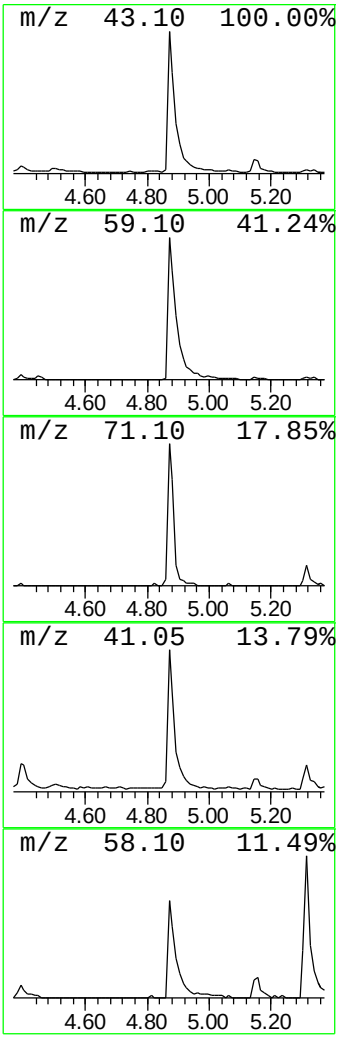
**********

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.87 | 11.81 ng | 558238 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 1,3,5-Pentanetriol, 3-methyl- | 134 | C6H14O3 | 007564-64-9 | 38 |
| 3 | 2-Butanol, 2-methyl-, acetate | 130 | C7H14O2 | 000625-16-1 | 17 |
| 4 | 2-Pentanone, 5-(acetyloxy)- | 144 | C7H12O3 | 005185-97-7 | 12 |
| 5 | 2,3-Pentanedione, 4-methyl- | 114 | C6H10O2 | 007493-58-5 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

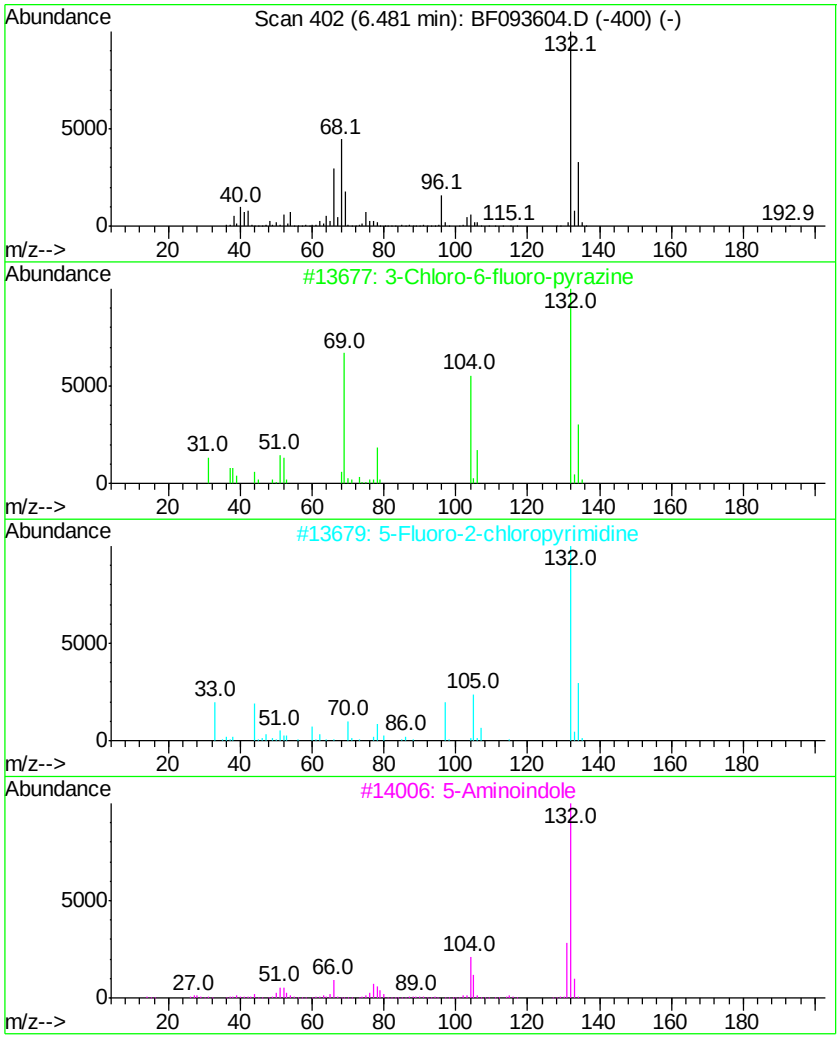
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

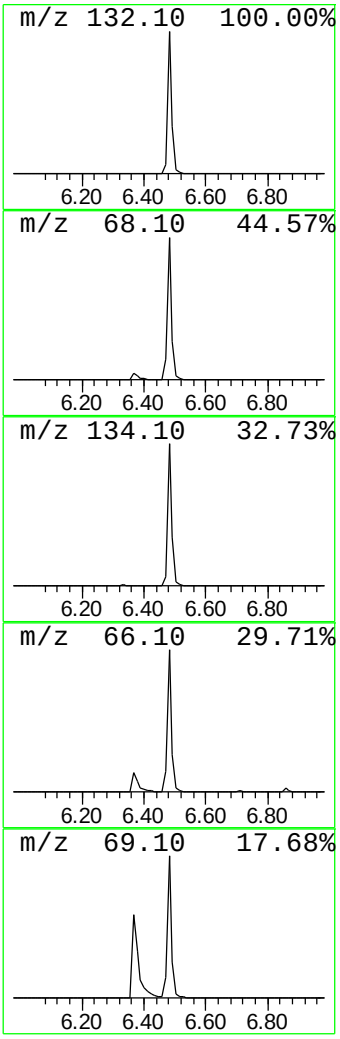
**********

Peak Number 7 unknown6.48 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.48 | 90.49 ng | 4277340 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

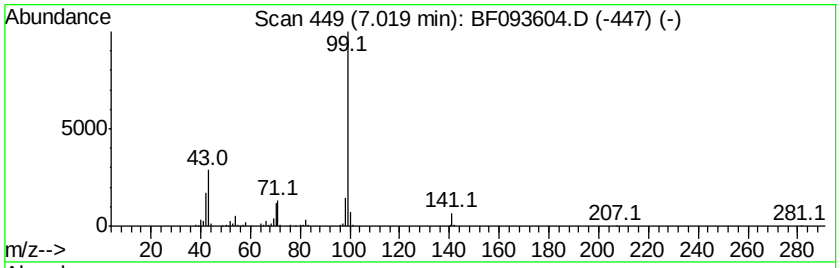
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

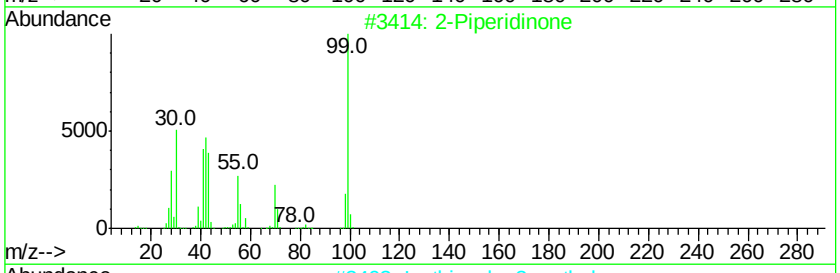
**********

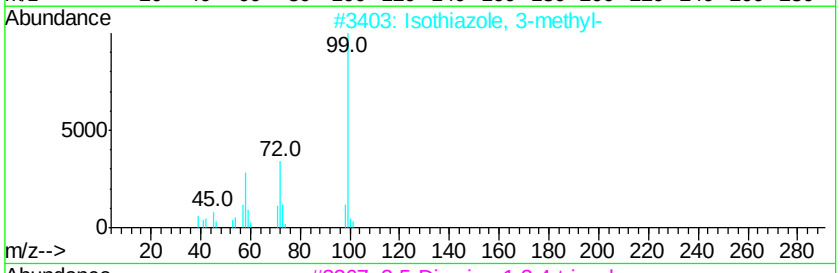
Peak Number 9 2-Piperidinone Concentration Rank 10

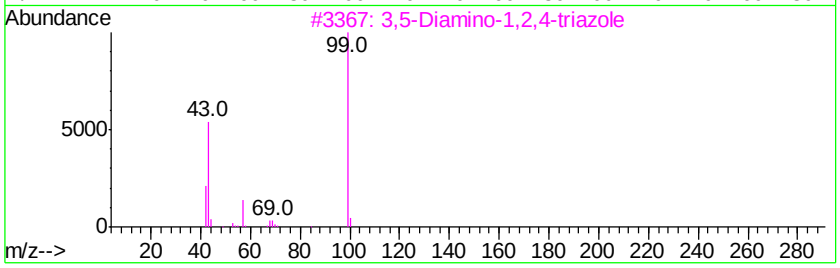
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.02 | 6.06 ng | 286242 | 1,4-Dichlorobenzene-d4 | 6.71 |

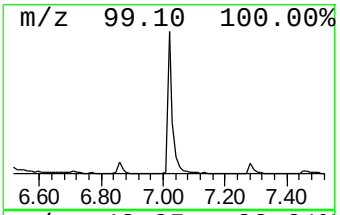
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Piperidinone | 99 | C5H9NO | 000675-20-7 | 72 |
| 2 | Isothiazole, 3-methyl- | 99 | C4H5NS | 000693-92-5 | 53 |
| 3 | 3,5-Diamino-1,2,4-triazole | 99 | C2H5N5 | 001455-77-2 | 40 |
| 4 | Cyclohexanol, 1-(2-nitropropyl)- | 187 | C9H17NO3 | 103077-77-6 | 38 |
| 5 | 2-Pyrrolidinone, 1-methyl- | 99 | C5H9NO | 000872-50-4 | 38 |

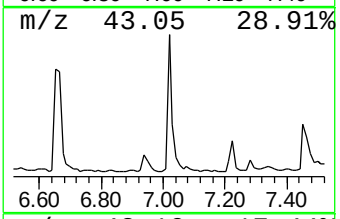


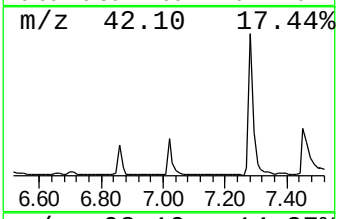



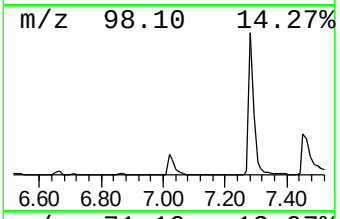



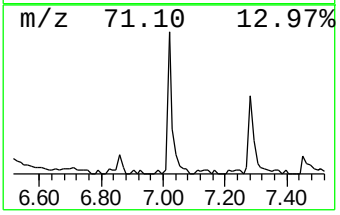



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

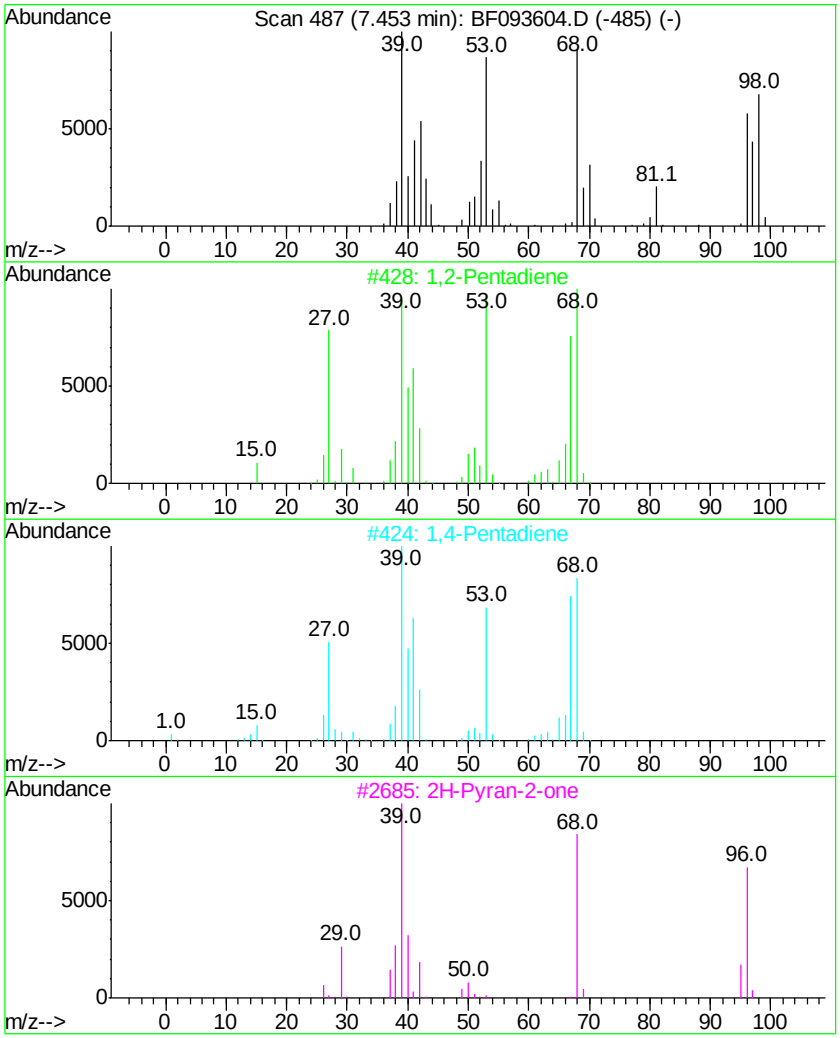
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

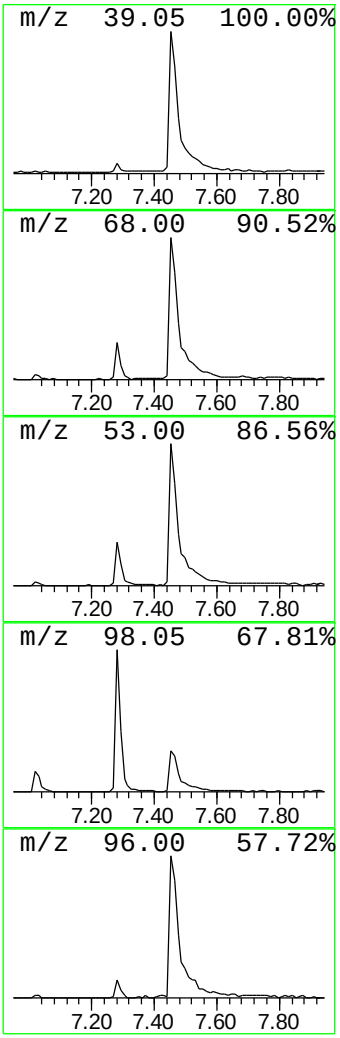
**********

Peak Number 10 1,2-Pentadiene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 13.55 ng | 917597 | Naphthalene-d8 | 8.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Pentadiene | 68 | C5H8 | 000591-95-7 | 81 |
| 2 | 1,4-Pentadiene | 68 | C5H8 | 000591-93-5 | 50 |
| 3 | 2H-Pyran-2-one | 96 | C5H4O2 | 000504-31-4 | 50 |
| 4 | 3,4-Pentadienal | 82 | C5H6O | 004009-55-6 | 50 |
| 5 | 3(2H)-Pyridazinone | 96 | C4H4N2O | 000504-30-3 | 49 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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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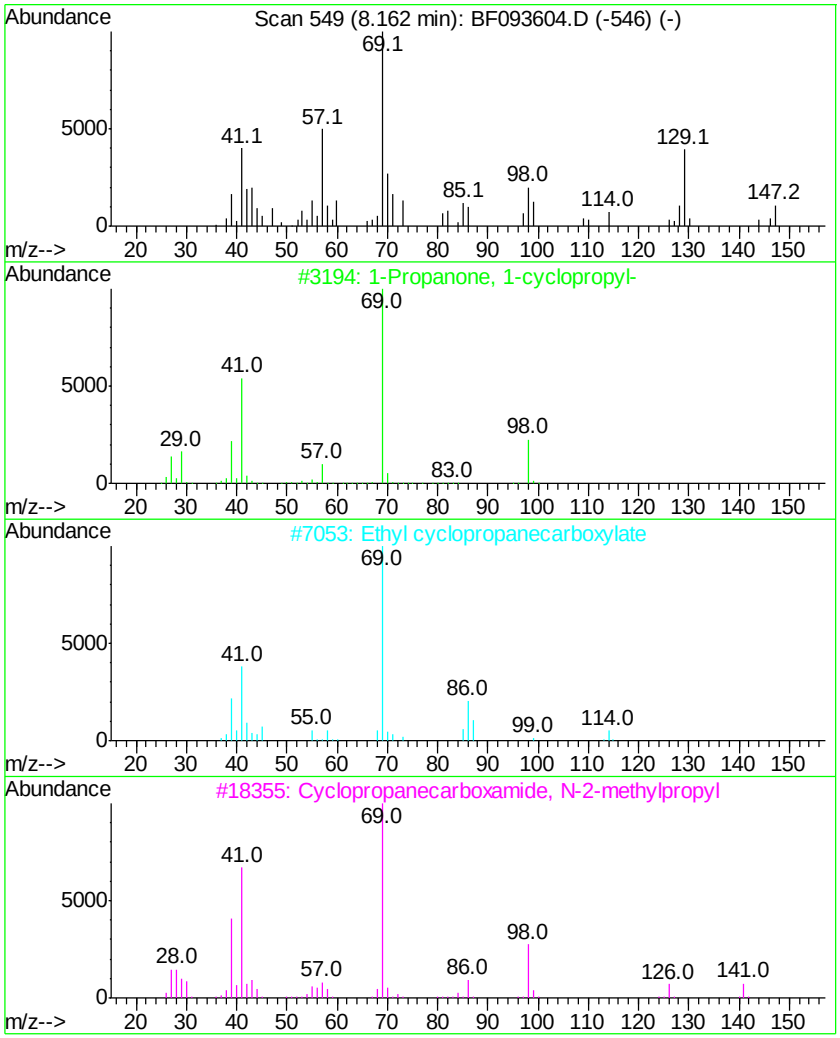
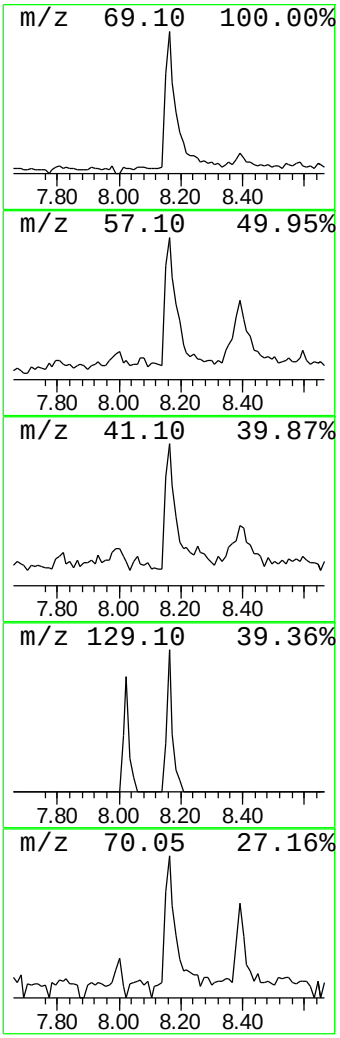
Peak Number 11 unknown8.16 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.16 | 2.26 ng | 153356 | Naphthalene-d8 | 8.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanone, 1-cyclopropyl- | 98 | C6H10O | 006704-19-4 | 32 |
| 2 | Ethyl cyclopropanecarboxylate | 114 | C6H10O2 | 004606-07-9 | 25 |
| 3 | Cyclopropanecarboxamide, N-2-met... | 141 | C8H15NO | 122348-69-0 | 25 |
| 4 | Hexane, 3-chloro-3-methyl- | 134 | C7H15Cl | 043197-78-0 | 23 |
| 5 | Cyclopropane, 1,1-dichloro-2-(1,... | 194 | C9H16Cl2 | 054824-03-2 | 23 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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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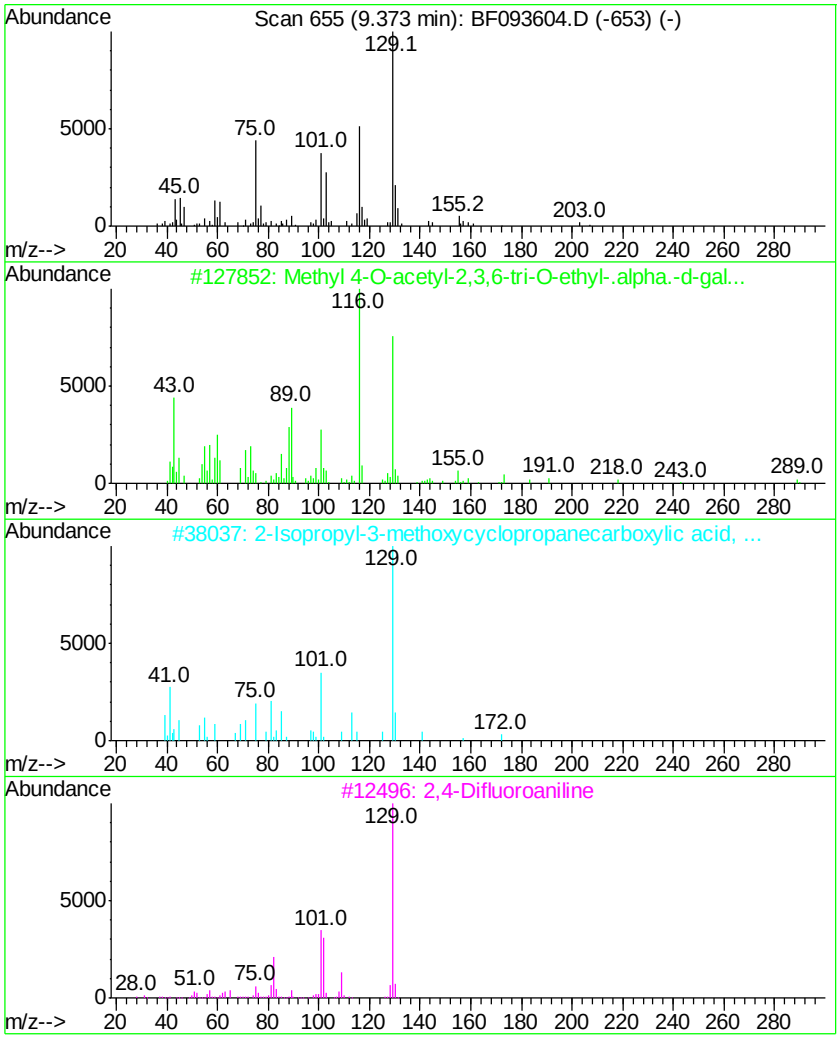
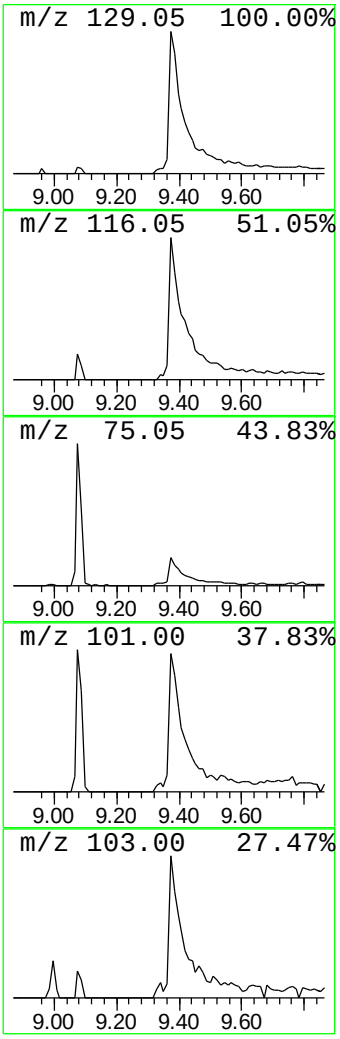
Peak Number 12 unknown9.37 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.37 | 5.25 ng | 271272 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 4-O-acetyl-2,3,6-tri-O-et... | 320 | C15H28O7 | 1000101-86-7 | 37 |
| 2 | 2-Isopropyl-3-methoxycyclopropan... | 172 | C9H16O3 | 122775-10-4 | 32 |
| 3 | 2,4-Difluoroaniline | 129 | C6H5F2N | 000367-25-9 | 27 |
| 4 | 2,3-Difluoroaniline | 129 | C6H5F2N | 004519-40-8 | 27 |
| 5 | 3,4-Difluoroaniline | 129 | C6H5F2N | 003863-11-4 | 25 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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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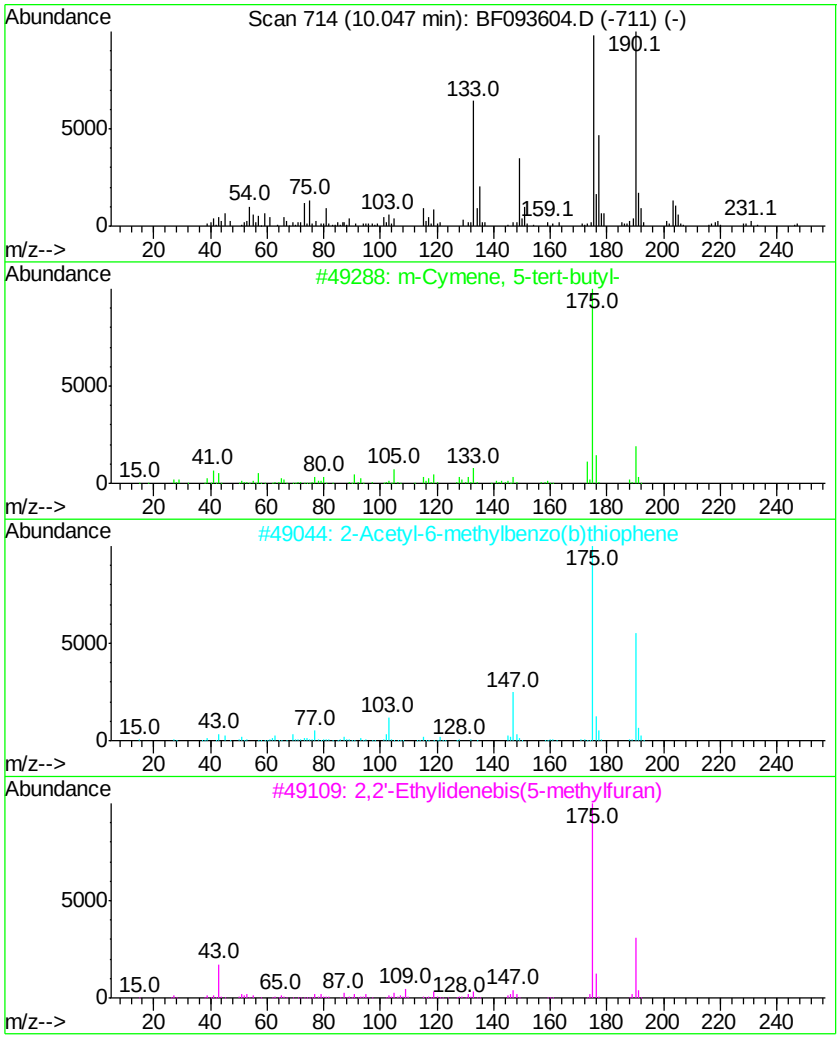
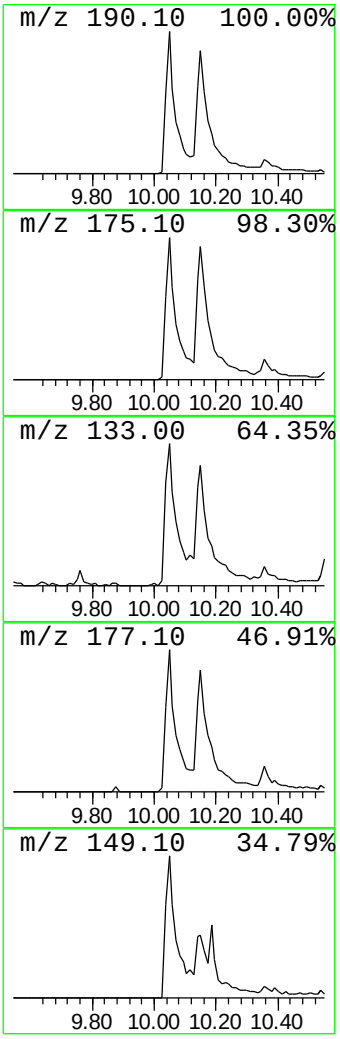
Peak Number 13 unknown10.05 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.05 | 12.90 ng | 666494 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Cymene, 5-tert-butyl- | 190 | C14H22 | 029577-19-3 | 47 |
| 2 | 2-Acetyl-6-methylbenzo(b)thiophene | 190 | C11H10OS | 001467-89-6 | 46 |
| 3 | 2,2'-Ethylidenebis(5-methylfuran) | 190 | C12H14O2 | 003209-79-8 | 43 |
| 4 | 2H-1-Benzopyran, 7-methoxy-2,2-d... | 190 | C12H14O2 | 017598-02-6 | 38 |
| 5 | Pyrazol-5(4H)-one, 3-(4-methoxyp... | 190 | C10H10N2O2 | 001578-89-8 | 35 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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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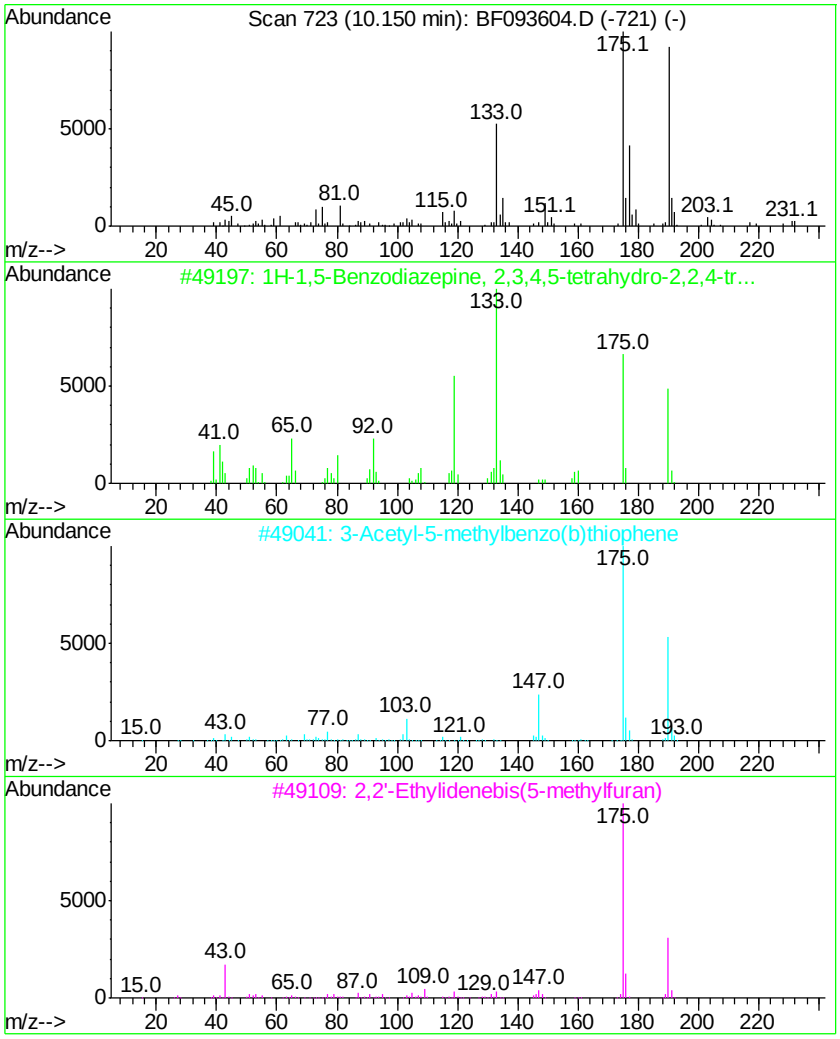
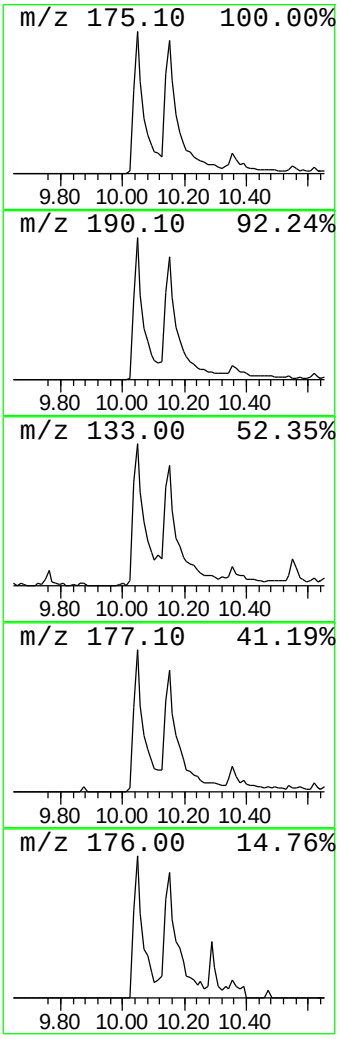
Peak Number 14 1H-1,5-Benzodiazepine, 2,3,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.15 | 9.44 ng | 488085 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-1,5-Benzodiazepine, 2,3,4,5-t... | 190 | C12H18N2 | 040358-38-1 | 59 |
| 2 | 3-Acetyl-5-methylbenzo(b)thiophene | 190 | C11H10OS | 002046-76-6 | 52 |
| 3 | 2,2'-Ethylidenebis(5-methylfuran) | 190 | C12H14O2 | 003209-79-8 | 47 |
| 4 | Disiloxane, 1,1,3,3-tetramethyl-... | 362 | C16H34O5Si2 | 000126-80-7 | 43 |
| 5 | Ketone, 7-methoxy-2-benzofuranyl... | 190 | C11H10O3 | 043071-52-9 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
Data File : BF093604.D
Acq On : 13 Mar 2017 13:52
Operator : SJ/MA
Sample : I2174-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** D-64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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 |
| Acetic acid, trim... | 2.36 | 3.0 | ng | 141644 | 1 | 6.71 | 945372 | 20.0 |
| n-Propyl acetate | 2.41 | 3.2 | ng | 152969 | 1 | 6.71 | 945372 | 20.0 |
| 4-Penten-2-one, 4... | 3.10 | 18.6 | ng | 879074 | 1 | 6.71 | 945372 | 20.0 |
| 3-Hexen-2-one | 4.16 | 37.1 | ng | 1751540 | 1 | 6.71 | 945372 | 20.0 |
| Cyclotrisiloxane,... | 4.46 | 10.1 | ng | 477411 | 1 | 6.71 | 945372 | 20.0 |
| 2-Pentanone, 4-hy... | 4.87 | 11.8 | ng | 558238 | 1 | 6.71 | 945372 | 20.0 |
| unknown6.48 | 6.48 | 90.5 | ng | 4277340 | 1 | 6.71 | 945372 | 20.0 |
| 2-Piperidinone | 7.02 | 6.1 | ng | 286242 | 1 | 6.71 | 945372 | 20.0 |
| 1,2-Pentadiene | 7.45 | 13.6 | ng | 917597 | 2 | 8.00 | 1354550 | 20.0 |
| unknown8.16 | 8.16 | 2.3 | ng | 153356 | 2 | 8.00 | 1354550 | 20.0 |
| unknown9.37 | 9.37 | 5.3 | ng | 271272 | 3 | 9.76 | 1033620 | 20.0 |
| unknown10.05 | 10.05 | 12.9 | ng | 666494 | 3 | 9.76 | 1033620 | 20.0 |
| 1H-1,5-Benzodiaze... | 10.15 | 9.4 | ng | 488085 | 3 | 9.76 | 1033620 | 20.0 |