LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

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-BF011415.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 | 1.201 | 8 | 10 | 13 | rVB3 | 12917 | 15348 | 1.12% | 0.162% |
| 2 | 1.384 | 24 | 26 | 31 | rBV | 14432 | 32902 | 2.40% | 0.348% |
| 3 | 1.453 | 31 | 32 | 48 | rVB | 110828 | 234627 | 17.09% | 2.482% |
| 4 | 3.041 | 166 | 171 | 175 | rVB | 52130 | 113538 | 8.27% | 1.201% |
| 5 | 4.104 | 262 | 264 | 274 | rBV | 48830 | 104040 | 7.58% | 1.100% |
| 6 | 5.041 | 343 | 346 | 357 | rBV | 174179 | 382826 | 27.89% | 4.049% |
| 7 | 7.373 | 547 | 550 | 555 | rBV | 112021 | 211880 | 15.44% | 2.241% |
| 8 | 7.465 | 555 | 558 | 567 | rVB | 488667 | 860714 | 62.70% | 9.104% |
| 9 | 7.967 | 599 | 602 | 607 | rVB | 114020 | 193038 | 14.06% | 2.042% |
| 10 | 8.299 | 627 | 631 | 634 | rBV | 490808 | 818717 | 59.64% | 8.660% |
| 11 | 9.270 | 712 | 716 | 719 | rBV | 456171 | 666566 | 48.56% | 7.051% |
| 12 | 10.882 | 853 | 857 | 860 | rBV | 182386 | 275297 | 20.06% | 2.912% |
| 13 | 12.345 | 982 | 985 | 989 | rBV | 11880 | 19019 | 1.39% | 0.201% |
| 14 | 13.534 | 1085 | 1089 | 1092 | rVB | 917020 | 1372689 | 100.00% | 14.520% |
| 15 | 15.008 | 1215 | 1218 | 1222 | rBV | 209736 | 316614 | 23.07% | 3.349% |
| 16 | 16.620 | 1357 | 1359 | 1361 | rBV | 37086 | 52275 | 3.81% | 0.553% |
| 17 | 16.677 | 1361 | 1364 | 1367 | rVB | 680658 | 856559 | 62.40% | 9.060% |
| 18 | 17.774 | 1457 | 1460 | 1463 | rBV | 271162 | 318531 | 23.20% | 3.369% |
| 19 | 18.769 | 1543 | 1547 | 1550 | rBV | 227845 | 432464 | 31.50% | 4.574% |
| 20 | 19.466 | 1605 | 1608 | 1611 | rBV | 12022 | 13840 | 1.01% | 0.146% |
| 21 | 20.003 | 1652 | 1655 | 1658 | rBV | 1228477 | 1334667 | 97.23% | 14.117% |
| 22 | 21.146 | 1753 | 1755 | 1757 | rBV | 43893 | 60968 | 4.44% | 0.645% |
| 23 | 21.180 | 1757 | 1758 | 1761 | rVB | 100977 | 100065 | 7.29% | 1.058% |
| 24 | 21.272 | 1761 | 1766 | 1769 | rBV | 302434 | 375055 | 27.32% | 3.967% |
| 25 | 21.397 | 1775 | 1777 | 1780 | rBV | 14203 | 20260 | 1.48% | 0.214% |
| 26 | 22.929 | 1908 | 1911 | 1914 | rBV | 245117 | 271508 | 19.78% | 2.872% |

Sum of corrected areas: 9454007

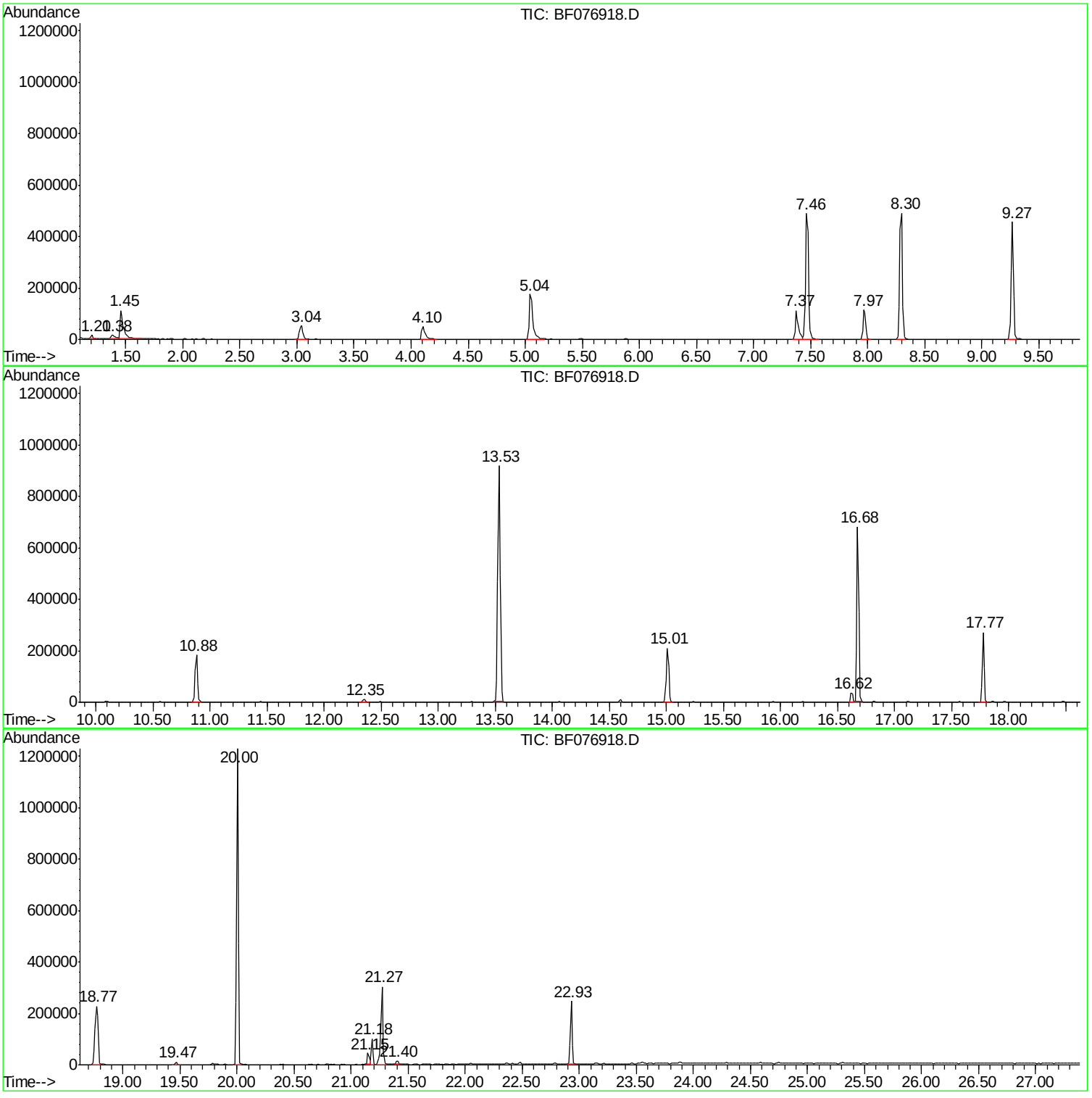
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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 F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

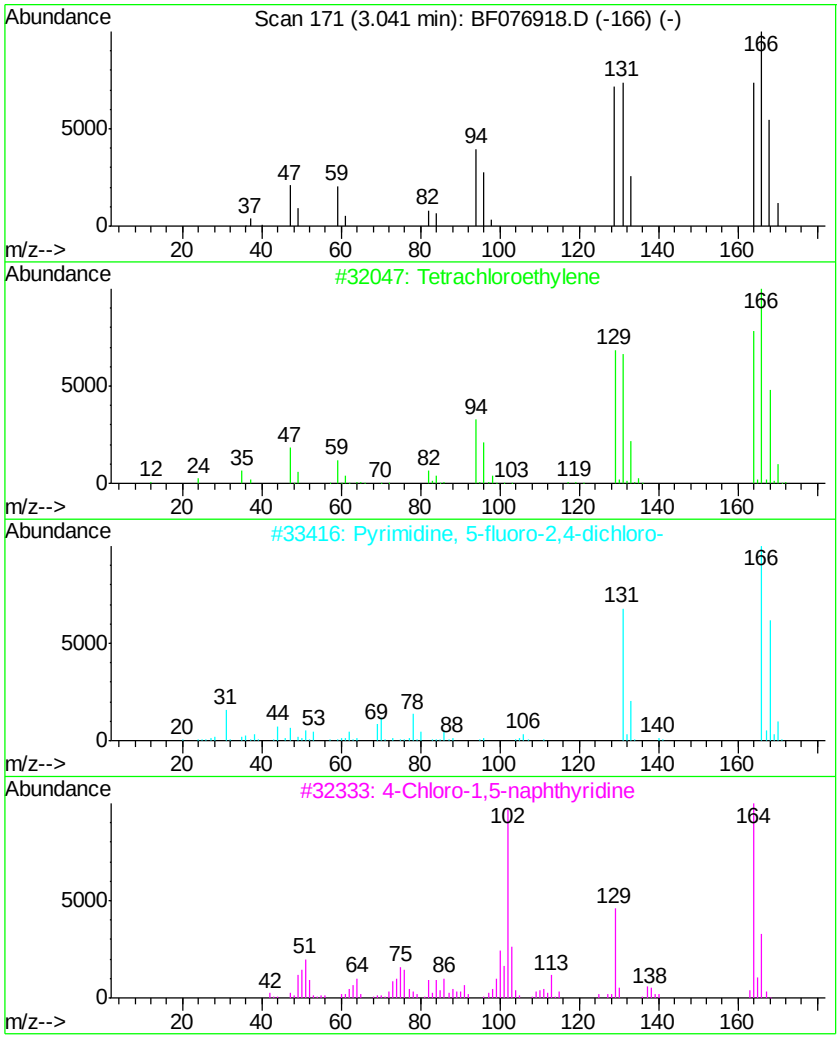
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

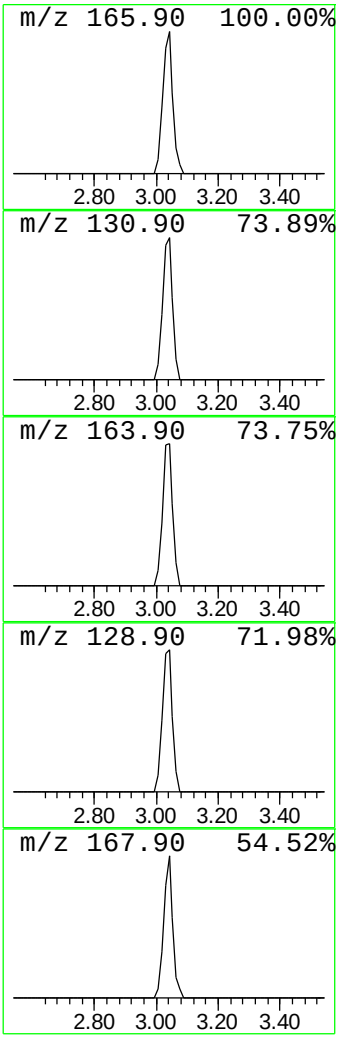
**********

Peak Number 3 Tetrachloroethylene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.04 | 11.76 ng | 113538 | 1,4-Dichlorobenzene-d4 | 7.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 97 |
| 2 | Pyrimidine, 5-fluoro-2,4-dichloro- | 166 | C4HCl2FN2 | 002927-71-1 | 46 |
| 3 | 4-Chloro-1,5-naphthyridine | 164 | C8H5ClN2 | 007689-63-6 | 9 |
| 4 | 2-Chloroquinoxaline | 164 | C8H5ClN2 | 001448-87-9 | 9 |
| 5 | Thioxan-3-one, oxime | 131 | C5H9NOS | 058230-51-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

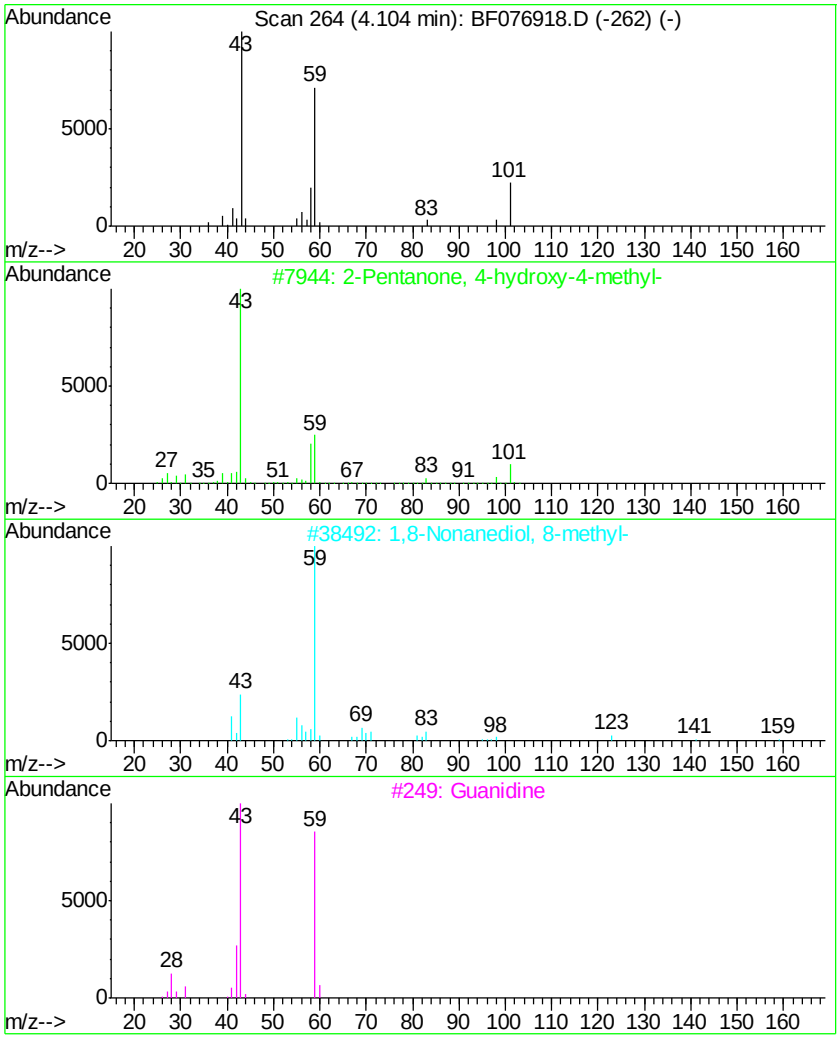
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

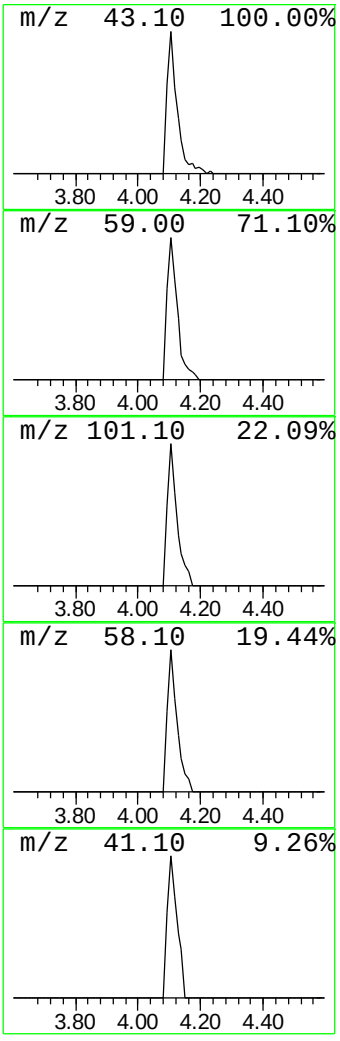
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.10 | 10.78 ng | 104040 | 1,4-Dichlorobenzene-d4 | 7.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 17 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

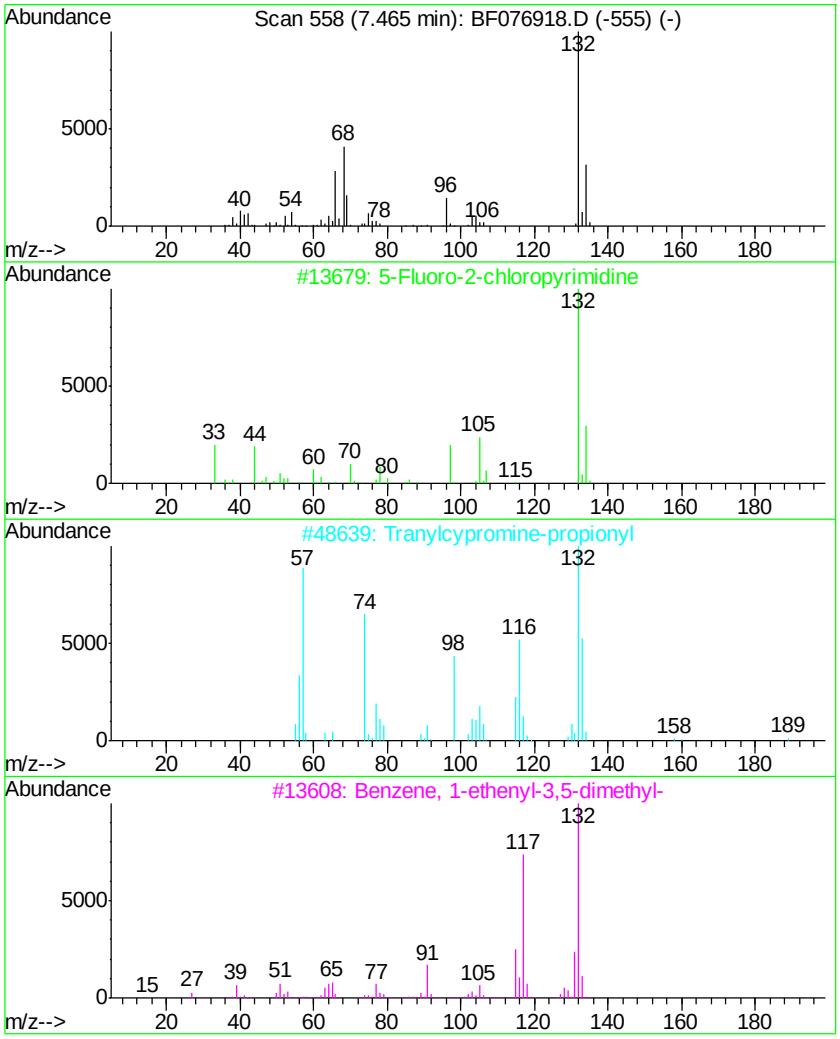
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

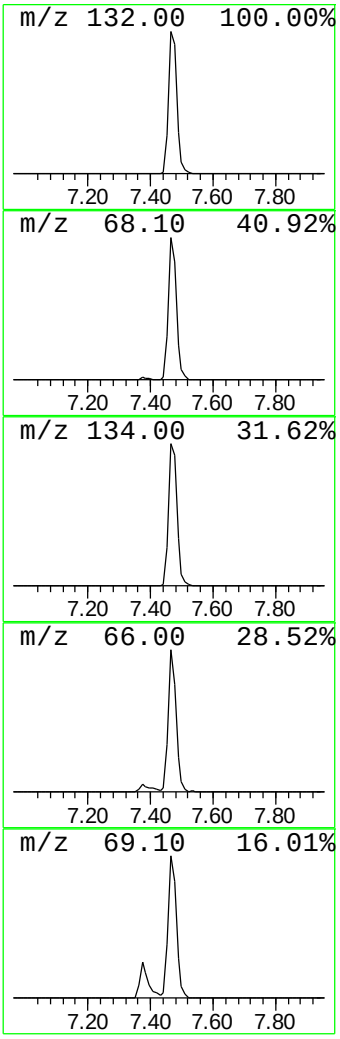
**********

Peak Number 5 unknown7.46 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.46 | 89.18 ng | 860714 | 1,4-Dichlorobenzene-d4 | 7.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 4 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 9 |
| 5 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

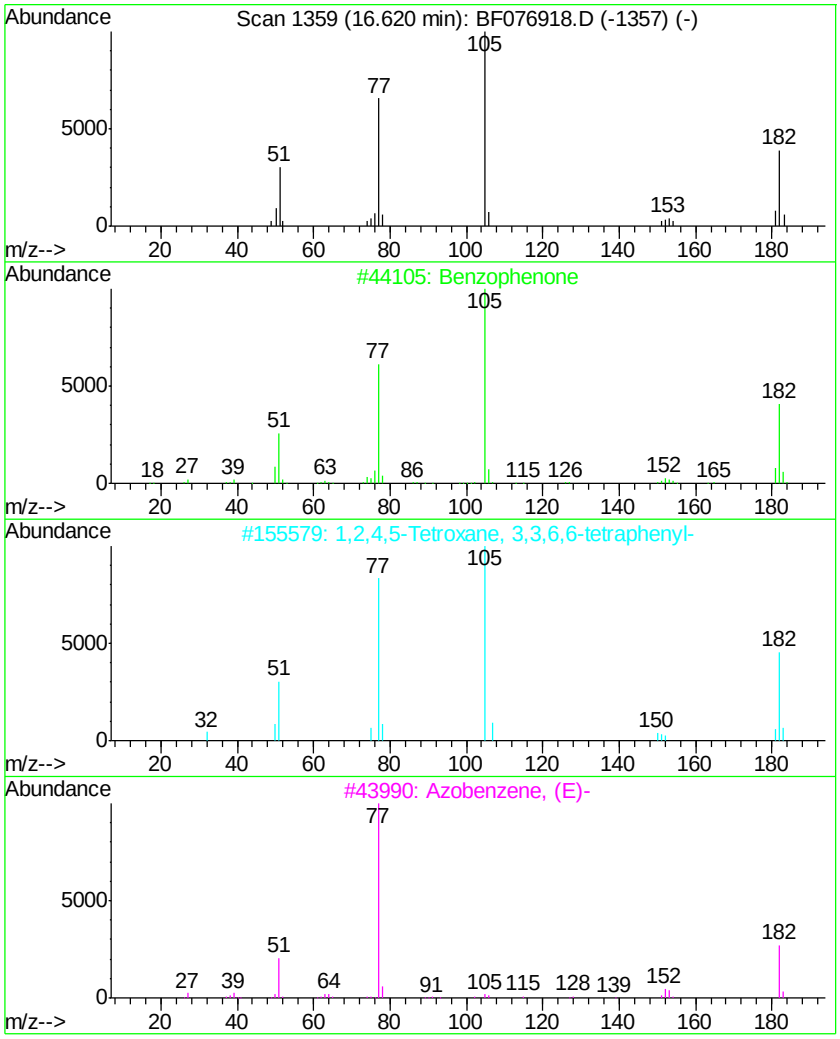
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

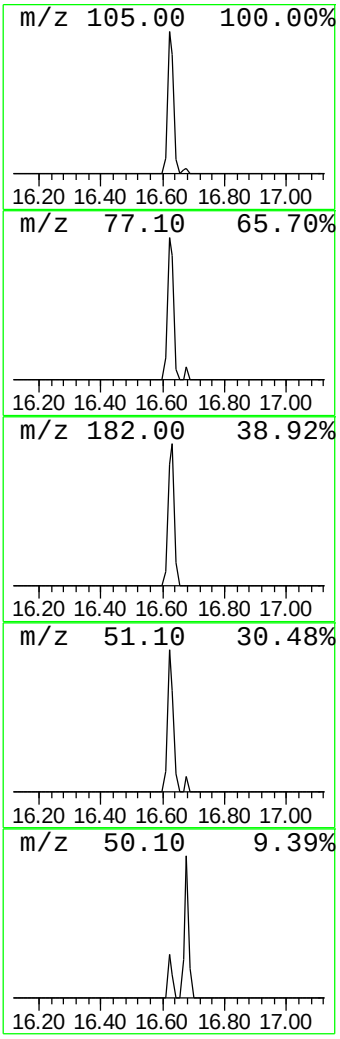
**********

Peak Number 7 Benzophenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.62 | 3.28 ng | 52275 | Phenanthrene-d10 | 17.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 59 |
| 3 | Azobenzene, (E)- | 182 | C12H10N2 | 017082-12-1 | 53 |
| 4 | .beta.-Benzilmonoxime | 225 | C14H11NO2 | 014090-77-8 | 50 |
| 5 | Benzoic acid, phenyl ester | 198 | C13H10O2 | 000093-99-2 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

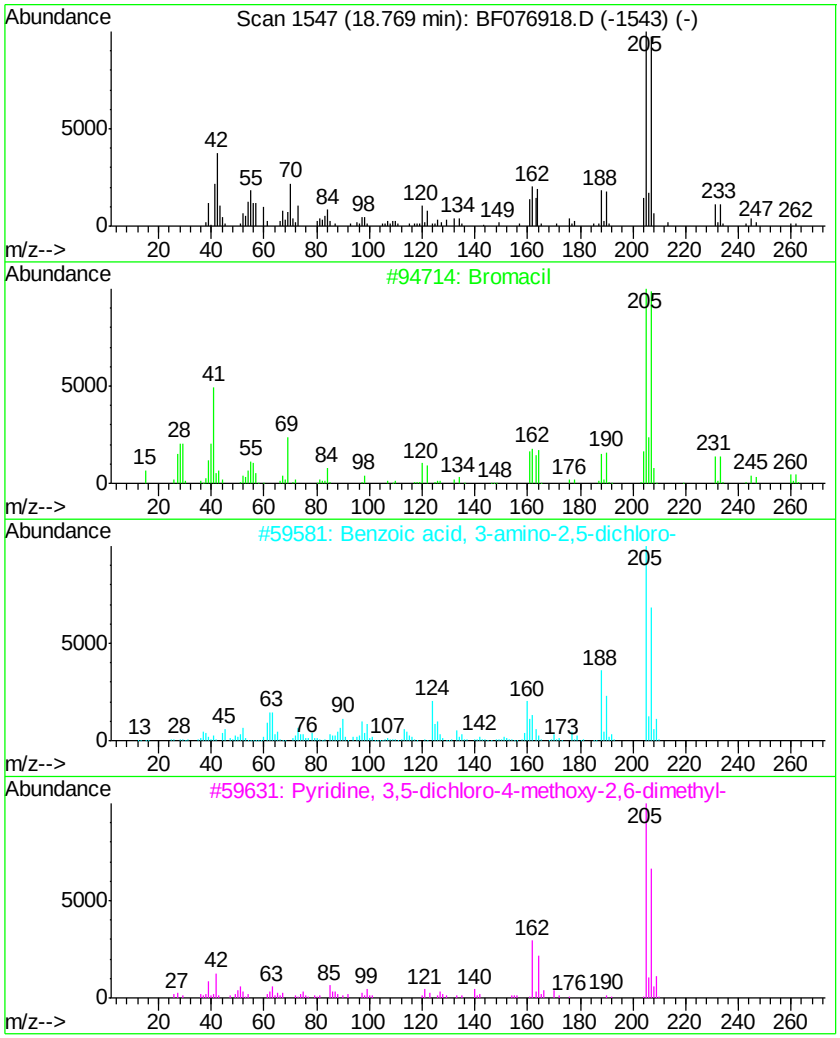
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

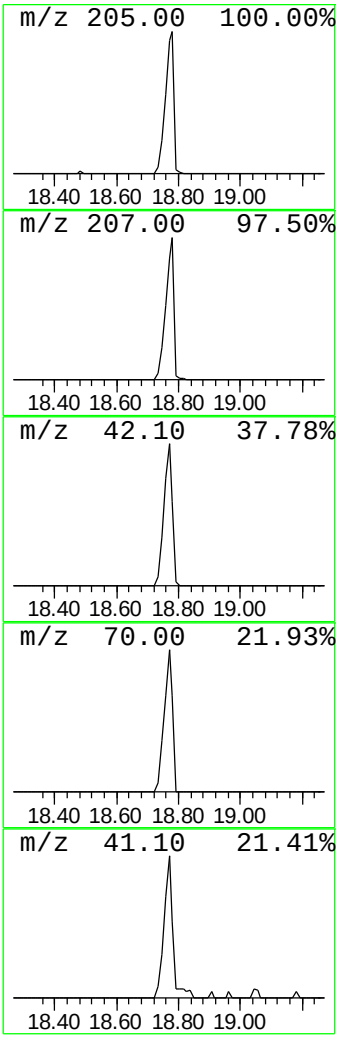
**********

Peak Number 8 Bromacil Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.77 | 27.15 ng | 432464 | Phenanthrene-d10 | 17.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromacil | 260 | C9H13BrN2O2 | 000314-40-9 | 87 |
| 2 | Benzoic acid, 3-amino-2,5-dichloro- | 205 | C7H5Cl2NO2 | 000133-90-4 | 64 |
| 3 | Pyridine, 3,5-dichloro-4-methoxy... | 205 | C8H9Cl2NO | 051050-42-1 | 58 |
| 4 | 2,4,6-Trichlorobenzonitrile | 205 | C7H2Cl3N | 006575-05-9 | 58 |
| 5 | 5-Acetamido-2,4-dichlorobenzoic ... | 247 | C9H7Cl2NO3 | 050602-49-8 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

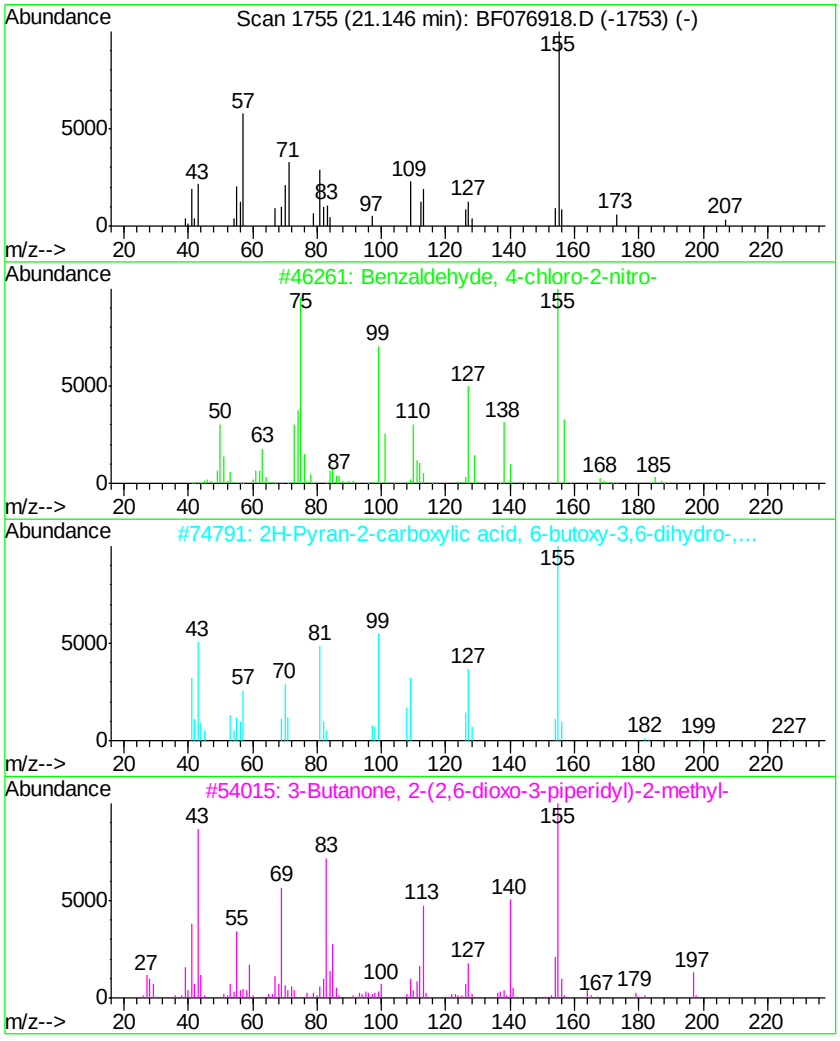
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

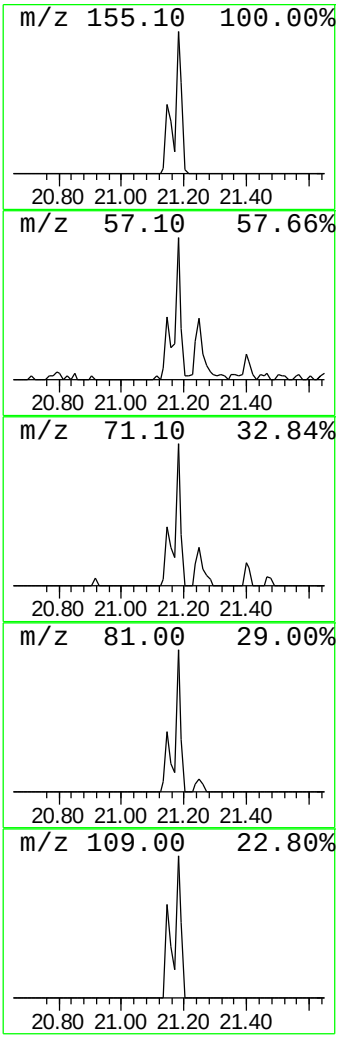
**********

Peak Number 9 unknown21.15 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.15 | 3.25 ng | 60968 | Chrysene-d12 | 21.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 4-chloro-2-nitro- | 185 | C7H4ClNO3 | 005551-11-1 | 38 |
| 2 | 2H-Pyran-2-carboxylic acid, 6-bu... | 228 | C12H20O4 | 026457-97-6 | 38 |
| 3 | 3-Butanone, 2-(2,6-dioxo-3-piper... | 197 | C10H15NO3 | 198283-36-2 | 25 |
| 4 | 6-Amino-1,3-dimethyluracil | 155 | C6H9N3O2 | 006642-31-5 | 23 |
| 5 | 4-Nitrocatechol | 155 | C6H5NO4 | 003316-09-4 | 23 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

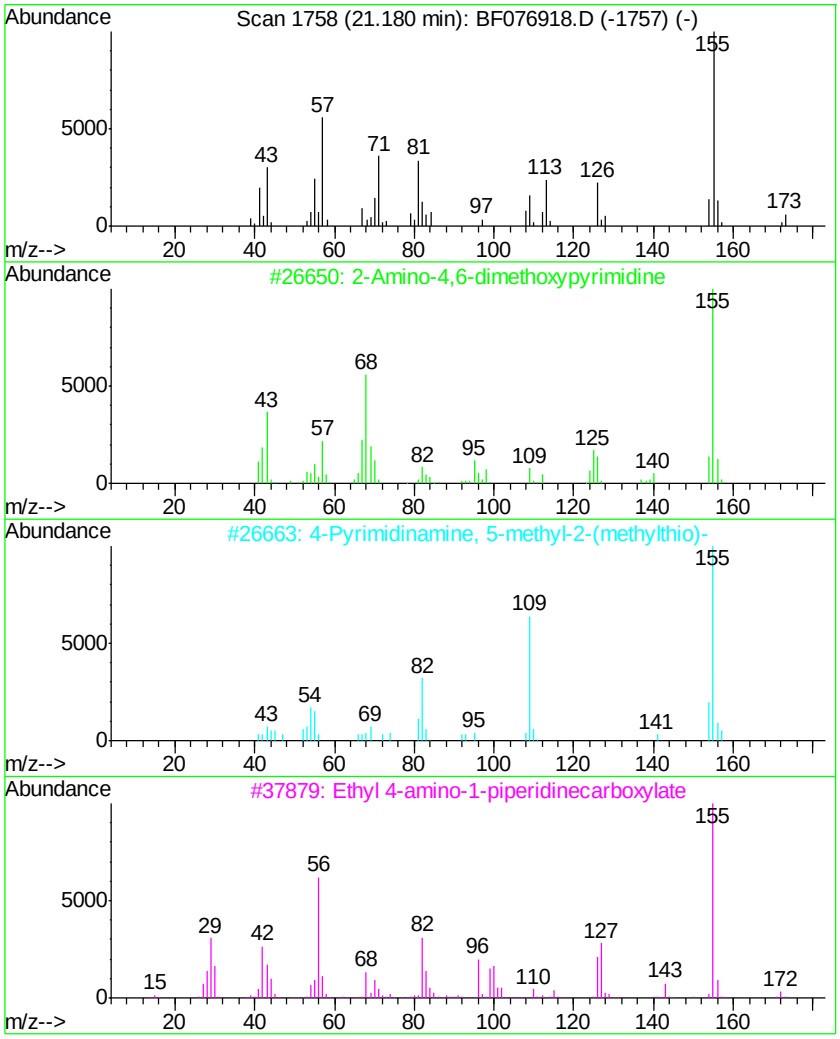
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

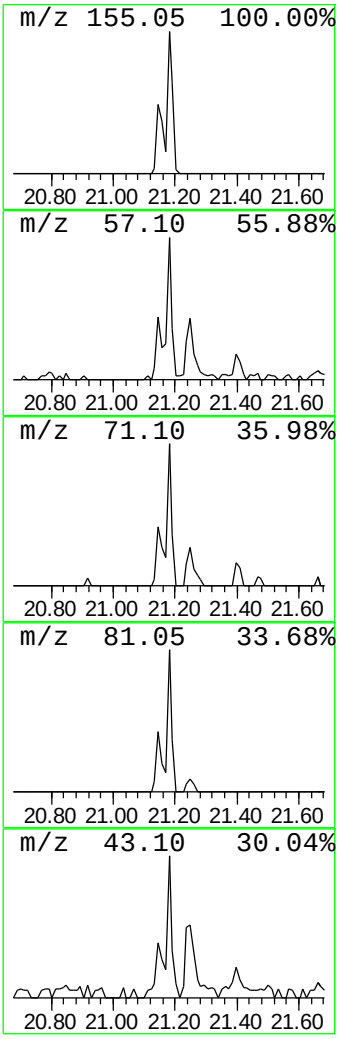
**********

Peak Number 10 2-Amino-4,6-dimethoxypyrimi... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.18 | 5.34 ng | 100065 | Chrysene-d12 | 21.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Amino-4,6-dimethoxypyrimidine | 155 | C6H9N3O2 | 036315-01-2 | 50 |
| 2 | 4-Pyrimidinamine, 5-methyl-2-(me... | 155 | C6H9N3S | 054308-64-4 | 47 |
| 3 | Ethyl 4-amino-1-piperidinecarbox... | 172 | C8H16N2O2 | 058859-46-4 | 28 |
| 4 | Threo-9,10-dihydroxyoctadecanoic... | 316 | C18H36O4 | 002391-05-1 | 25 |
| 5 | 4,6-Dihydroxypyrimidine, 5-amino... | 155 | C5H5N3O3 | 001074-97-1 | 23 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011615\
Data File : BF076918.D
Acq On : 16 Jan 2015 20:47
Operator : IZ / TP
Sample : G1080-04
Misc : W
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PO-005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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 |
| Tetrachloroethylene | 3.04 | 11.8 | ng | 113538 | 1 | 7.97 | 193038 | 20.0 |
| 2-Pentanone, 4-hy... | 4.10 | 10.8 | ng | 104040 | 1 | 7.97 | 193038 | 20.0 |
| unknown7.46 | 7.46 | 89.2 | ng | 860714 | 1 | 7.97 | 193038 | 20.0 |
| Benzophenone | 16.62 | 3.3 | ng | 52275 | 4 | 17.77 | 318531 | 20.0 |
| Bromacil | 18.77 | 27.1 | ng | 432464 | 4 | 17.77 | 318531 | 20.0 |
| unknown21.15 | 21.15 | 3.3 | ng | 60968 | 5 | 21.27 | 375055 | 20.0 |
| 2-Amino-4,6-dimet... | 21.18 | 5.3 | ng | 100065 | 5 | 21.27 | 375055 | 20.0 |