LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

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-BF102317.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 | 4.987 | 490 | 493 | 512 | rBV | 158924 | 286985 | 1.01% | 0.321% |
| 2 | 5.393 | 558 | 562 | 598 | rBV | 1556904 | 1818046 | 6.38% | 2.033% |
| 3 | 6.422 | 733 | 737 | 754 | rBV | 1533119 | 1836161 | 6.44% | 2.054% |
| 4 | 6.545 | 754 | 758 | 773 | rVB | 1989520 | 1909431 | 6.70% | 2.136% |
| 5 | 6.769 | 793 | 796 | 806 | rBV | 540142 | 489649 | 1.72% | 0.548% |
| 6 | 6.922 | 818 | 822 | 834 | rBV | 1633900 | 1537114 | 5.39% | 1.719% |
| 7 | 7.339 | 890 | 893 | 910 | rBV | 1059649 | 1136226 | 3.99% | 1.271% |
| 8 | 8.051 | 1011 | 1014 | 1033 | rBV | 788472 | 670517 | 2.35% | 0.750% |
| 9 | 9.128 | 1192 | 1197 | 1200 | rBV | 2518106 | 2242542 | 7.87% | 2.508% |
| 10 | 9.504 | 1256 | 1261 | 1271 | rVB | 2356277 | 3295975 | 11.56% | 3.686% |
| 11 | 9.586 | 1271 | 1275 | 1281 | rBV | 419364 | 504413 | 1.77% | 0.564% |
| 12 | 9.669 | 1286 | 1289 | 1296 | rVB2 | 273651 | 423057 | 1.48% | 0.473% |
| 13 | 9.739 | 1296 | 1301 | 1304 | rBV2 | 234809 | 464541 | 1.63% | 0.520% |
| 14 | 9.828 | 1304 | 1316 | 1325 | rBV5 | 4484479 | 28504673 | 100.00% | 31.882% |
| 15 | 9.986 | 1340 | 1343 | 1345 | rBV | 1085055 | 1061141 | 3.72% | 1.187% |
| 16 | 10.075 | 1345 | 1358 | 1362 | rVV4 | 4137769 | 20415778 | 71.62% | 22.835% |
| 17 | 10.145 | 1366 | 1370 | 1377 | rVV | 4240817 | 16056171 | 56.33% | 17.958% |
| 18 | 10.216 | 1379 | 1382 | 1386 | rVB2 | 1196936 | 1466329 | 5.14% | 1.640% |
| 19 | 10.251 | 1386 | 1388 | 1396 | rVB2 | 413560 | 514667 | 1.81% | 0.576% |
| 20 | 10.433 | 1415 | 1419 | 1426 | rVB | 367668 | 373403 | 1.31% | 0.418% |
| 21 | 10.522 | 1430 | 1434 | 1436 | rBV | 467420 | 396467 | 1.39% | 0.443% |
| 22 | 10.622 | 1448 | 1451 | 1461 | rVB | 1089009 | 978536 | 3.43% | 1.094% |
| 23 | 11.304 | 1563 | 1567 | 1580 | rVB | 661233 | 584879 | 2.05% | 0.654% |
| 24 | 12.880 | 1830 | 1835 | 1838 | rBV | 1728107 | 1561785 | 5.48% | 1.747% |
| 25 | 13.945 | 2013 | 2016 | 2023 | rBV | 475255 | 441905 | 1.55% | 0.494% |
| 26 | 15.404 | 2260 | 2264 | 2275 | rVB | 338440 | 436723 | 1.53% | 0.488% |

Sum of corrected areas: 89407114

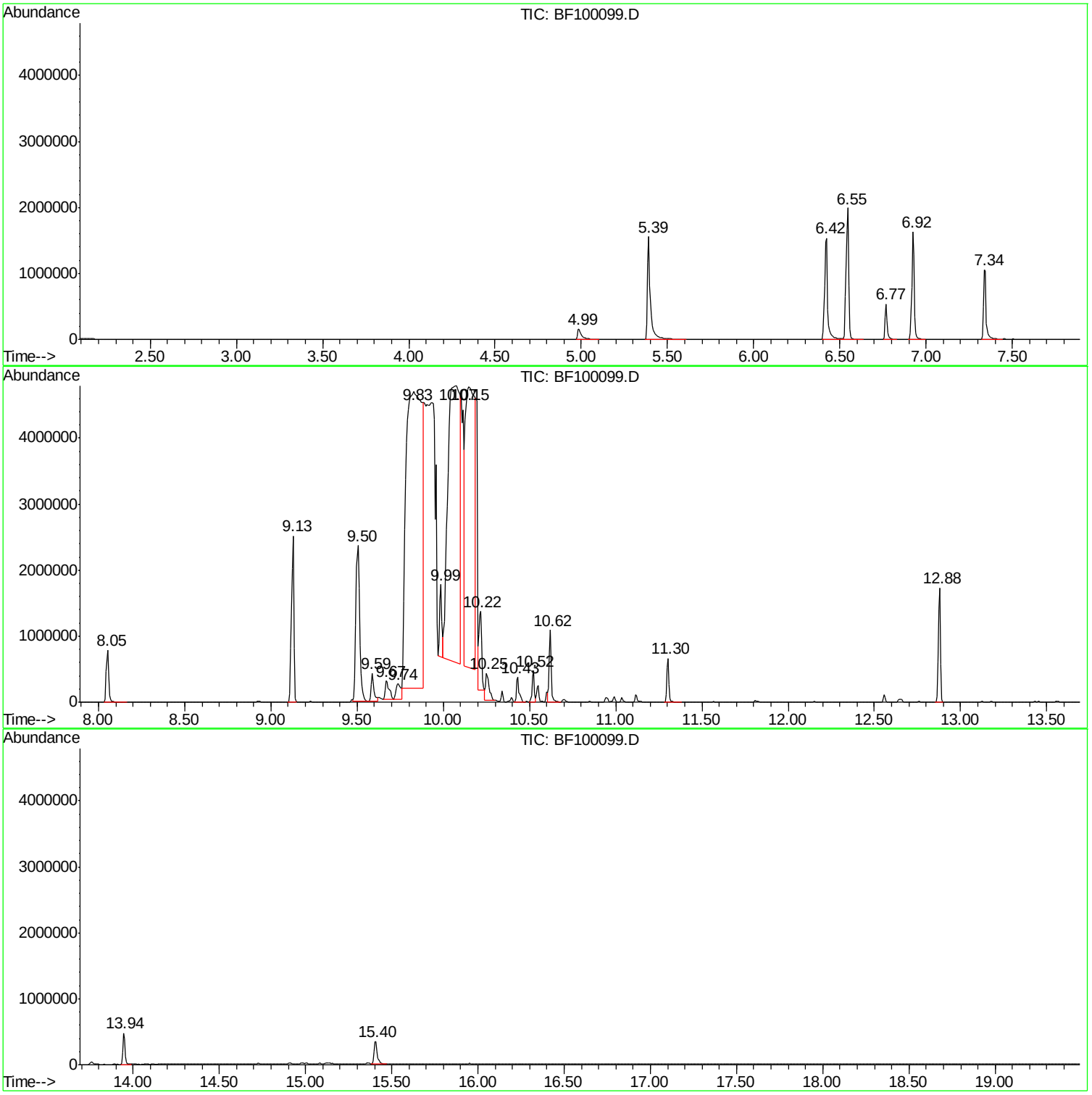
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

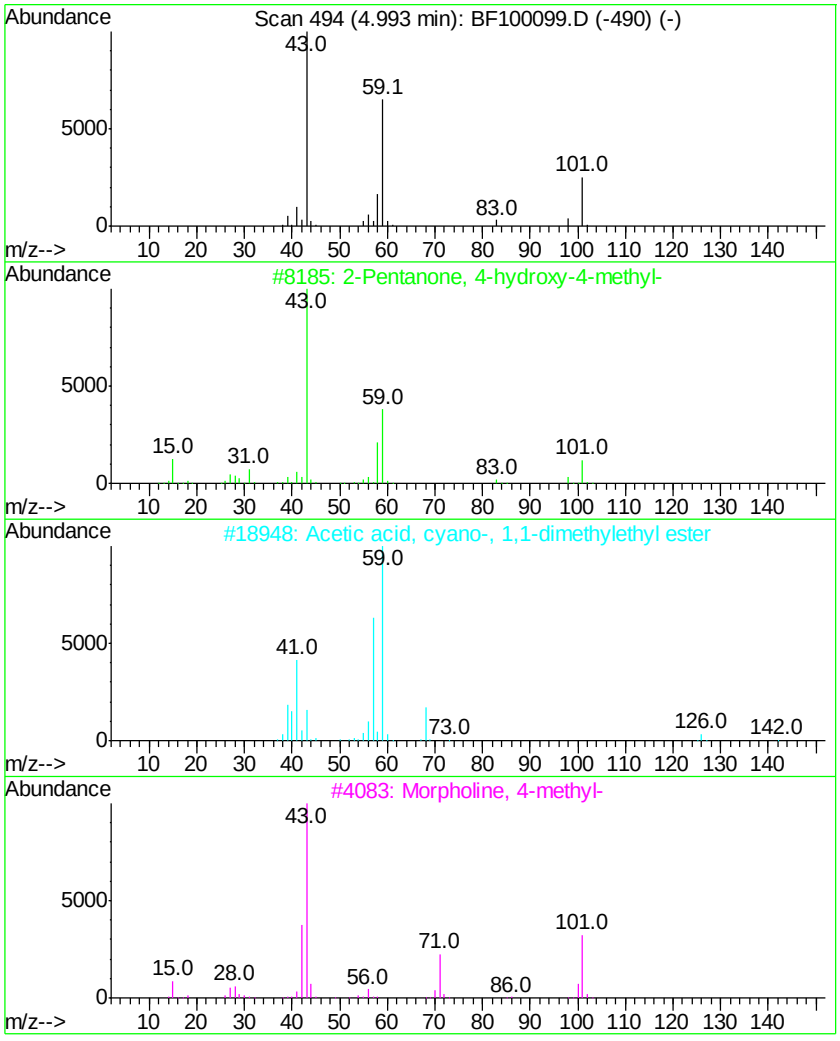
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

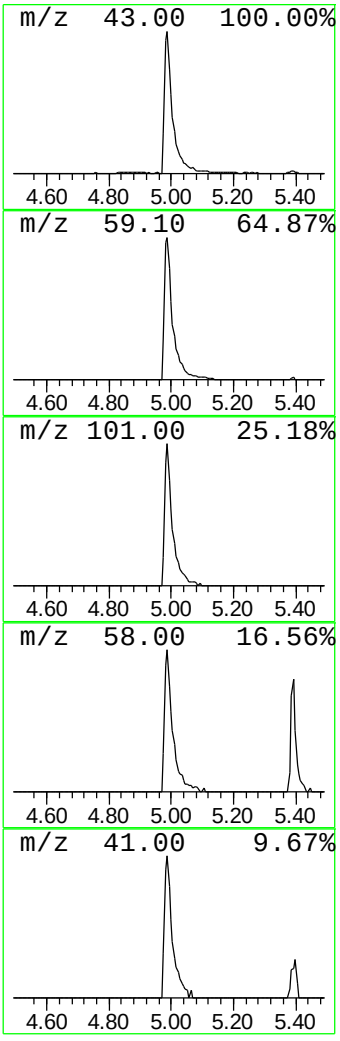
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.99 | 11.72 ng | 286985 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

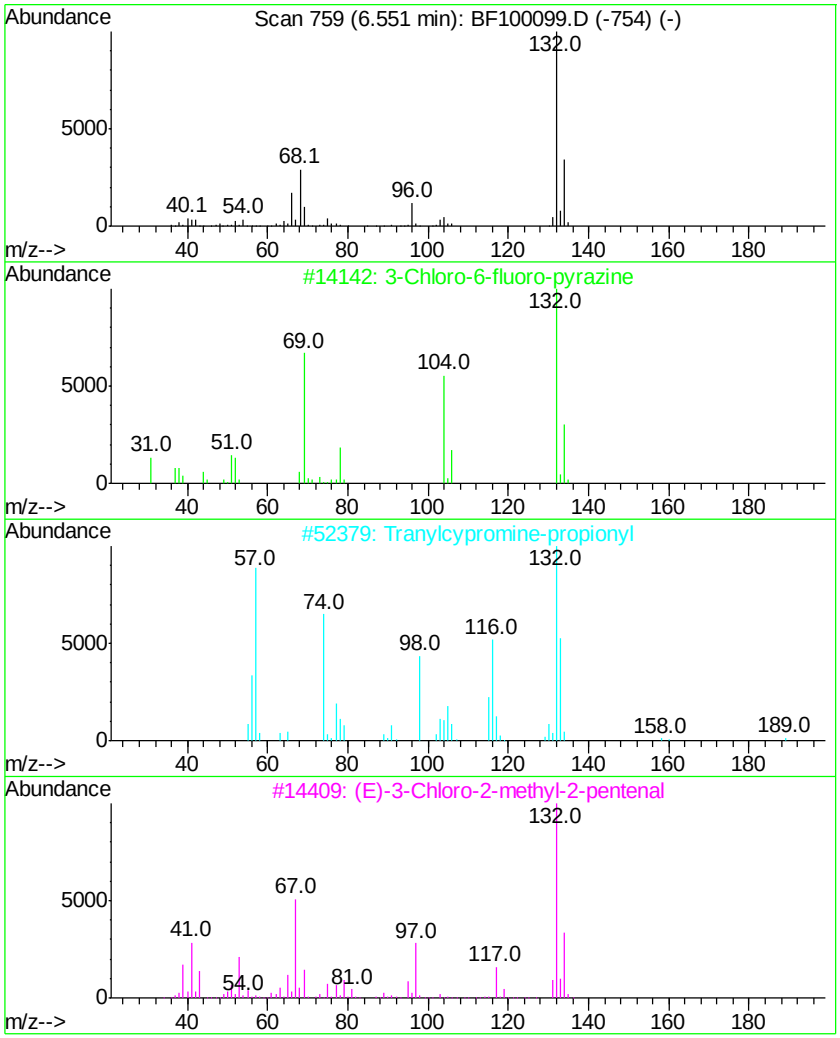
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

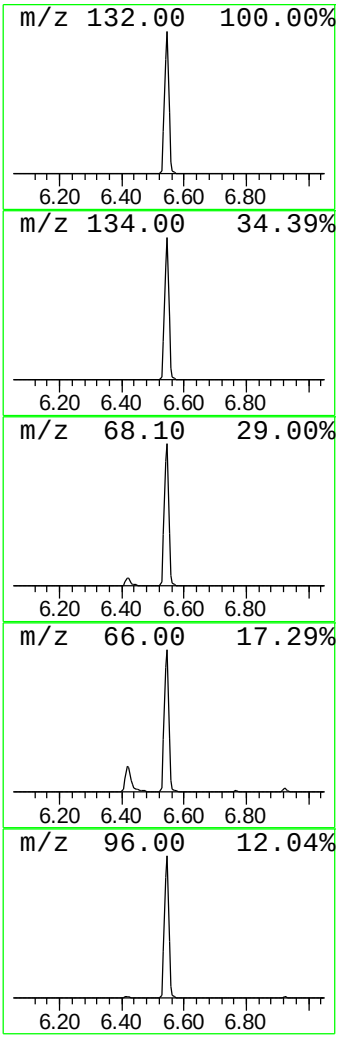
**********

Peak Number 2 unknown6.55 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.55 | 77.99 ng | 1909430 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 12 |
| 4 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 10 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

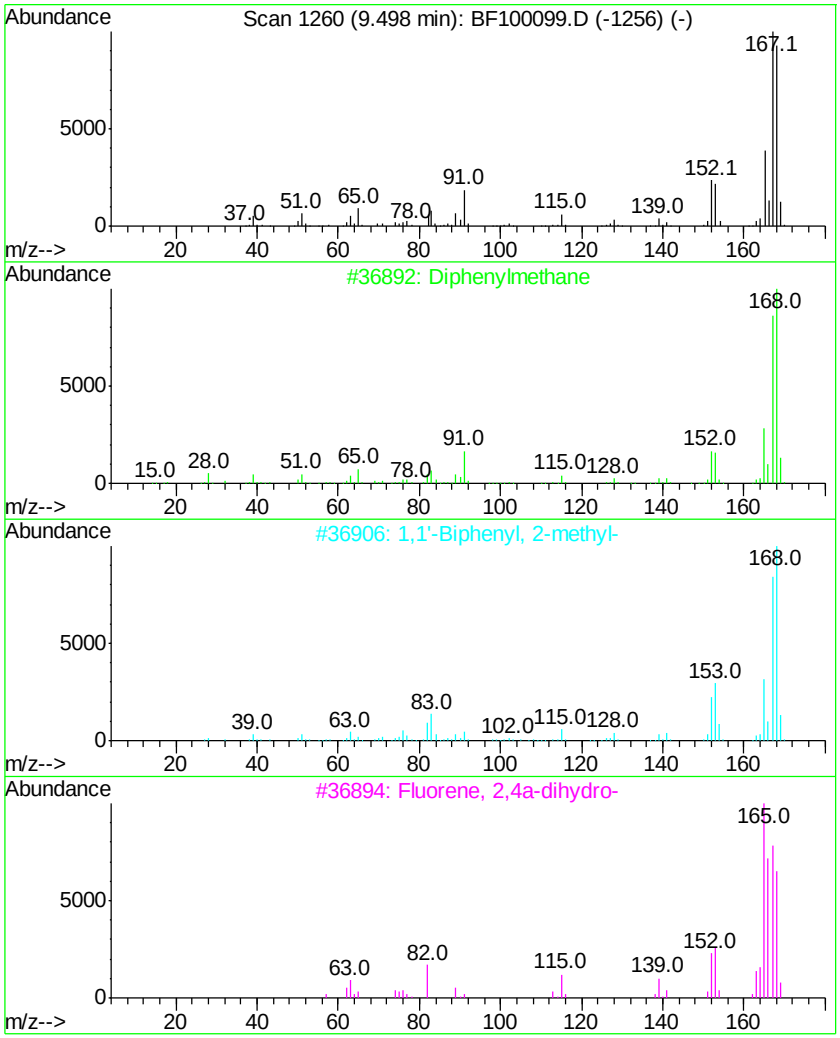
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

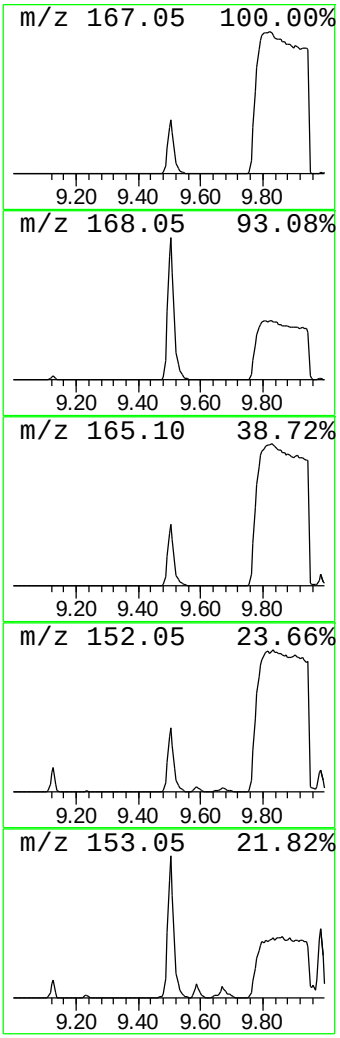
**********

Peak Number 4 Diphenylmethane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.50 | 2.31 ng | 3295980 | Acenaphthene-d10 | 9.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 93 |
| 2 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 81 |
| 3 | Fluorene, 2,4a-dihydro- | 168 | C13H12 | 059247-36-8 | 64 |
| 4 | Nordiphenamid | 225 | C15H15NO | 000954-21-2 | 64 |
| 5 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 60 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

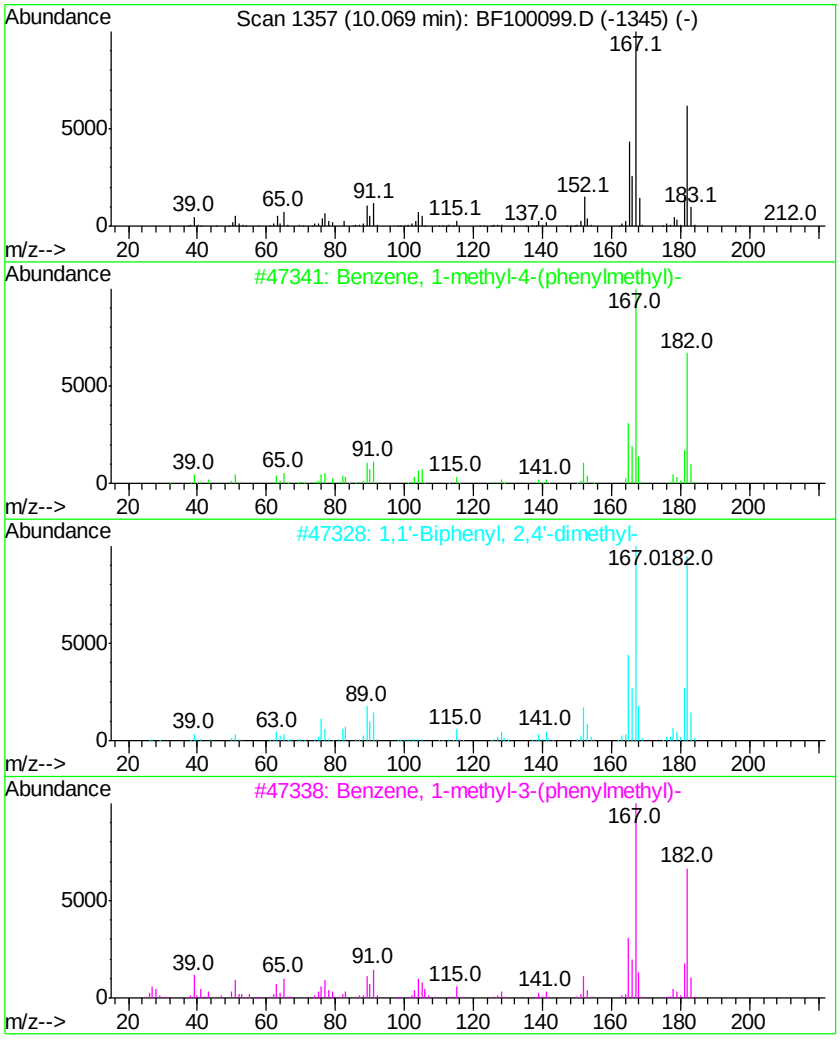
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

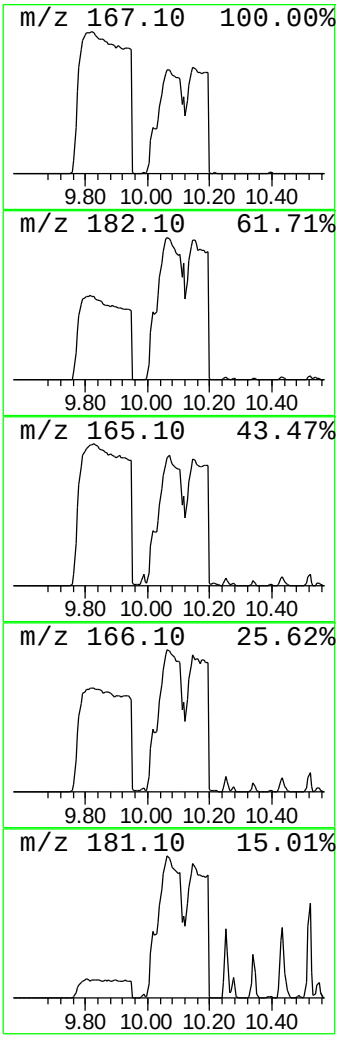
**********

Peak Number 5 Benzene, 1-methyl-4-(phenyl... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.07 | 14.32 ng | 20415800 | Acenaphthene-d10 | 9.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(phenylmethyl)- | 182 | C14H14 | 000620-83-7 | 96 |
| 2 | 1,1'-Biphenyl, 2,4'-dimethyl- | 182 | C14H14 | 000611-61-0 | 94 |
| 3 | Benzene, 1-methyl-3-(phenylmethyl)- | 182 | C14H14 | 000620-47-3 | 93 |
| 4 | 2,2'-Dimethylbiphenyl | 182 | C14H14 | 000605-39-0 | 93 |
| 5 | Benzene, 1-methyl-2-(phenylmethyl)- | 182 | C14H14 | 000713-36-0 | 80 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110217\
Data File : BF100099.D
Acq On : 2 Nov 2017 21:44
Operator : SJ/JU
Sample : I6254-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM-1-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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 |
| 2-Pentanone, 4-hy... | 4.99 | 11.7 | ng | 286985 | 1 | 6.77 | 489649 | 20.0 |
| unknown6.55 | 6.55 | 78.0 | ng | 1909430 | 1 | 6.77 | 489649 | 20.0 |
| Diphenylmethane | 9.50 | 2.3 | ng | 3295980 | 3 | 9.83 | 28504700 | 20.0 |
| Benzene, 1-methyl... | 10.07 | 14.3 | ng | 20415800 | 3 | 9.83 | 28504700 | 20.0 |