LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

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-BF110817.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 | 2.222 | 19 | 23 | 31 | rVB | 44873 | 58938 | 1.49% | 0.171% |
| 2 | 5.134 | 514 | 518 | 528 | rVB | 591022 | 752301 | 19.01% | 2.183% |
| 3 | 5.522 | 578 | 584 | 587 | rBV | 3519779 | 3684719 | 93.12% | 10.693% |
| 4 | 6.528 | 748 | 755 | 758 | rBV | 3208476 | 3846768 | 97.21% | 11.164% |
| 5 | 6.669 | 774 | 779 | 782 | rBV | 3644648 | 3724222 | 94.11% | 10.808% |
| 6 | 6.722 | 786 | 788 | 794 | rVB | 70486 | 59159 | 1.49% | 0.172% |
| 7 | 6.898 | 815 | 818 | 822 | rBB | 1259081 | 1081390 | 27.33% | 3.138% |
| 8 | 7.057 | 841 | 845 | 848 | rBV | 3120408 | 2814503 | 71.12% | 8.168% |
| 9 | 7.463 | 908 | 914 | 917 | rBV | 2497891 | 2398846 | 60.62% | 6.962% |
| 10 | 8.181 | 1032 | 1036 | 1040 | rBV | 1687509 | 1420068 | 35.89% | 4.121% |
| 11 | 8.733 | 1127 | 1130 | 1133 | rBV | 63147 | 47701 | 1.21% | 0.138% |
| 12 | 9.257 | 1214 | 1219 | 1222 | rBV | 4146814 | 3957144 | 100.00% | 11.484% |
| 13 | 9.645 | 1282 | 1285 | 1289 | rBV | 661394 | 583494 | 14.75% | 1.693% |
| 14 | 9.939 | 1331 | 1335 | 1339 | rVB | 1661943 | 1467512 | 37.09% | 4.259% |
| 15 | 10.651 | 1452 | 1456 | 1459 | rVB | 172858 | 146753 | 3.71% | 0.426% |
| 16 | 10.727 | 1464 | 1469 | 1472 | rBV | 2282931 | 2218060 | 56.05% | 6.437% |
| 17 | 11.422 | 1583 | 1587 | 1591 | rBV | 1496947 | 1299542 | 32.84% | 3.771% |
| 18 | 11.939 | 1671 | 1675 | 1680 | rBV | 194791 | 169909 | 4.29% | 0.493% |
| 19 | 12.727 | 1805 | 1809 | 1819 | rBV | 91405 | 110847 | 2.80% | 0.322% |
| 20 | 13.010 | 1852 | 1857 | 1860 | rBV | 2978492 | 2679037 | 67.70% | 7.775% |
| 21 | 13.898 | 2004 | 2008 | 2012 | rBV | 80755 | 89781 | 2.27% | 0.261% |
| 22 | 14.063 | 2032 | 2036 | 2039 | rBV | 970449 | 913227 | 23.08% | 2.650% |
| 23 | 15.545 | 2282 | 2288 | 2297 | rVB | 702386 | 933998 | 23.60% | 2.711% |

Sum of corrected areas: 34457919

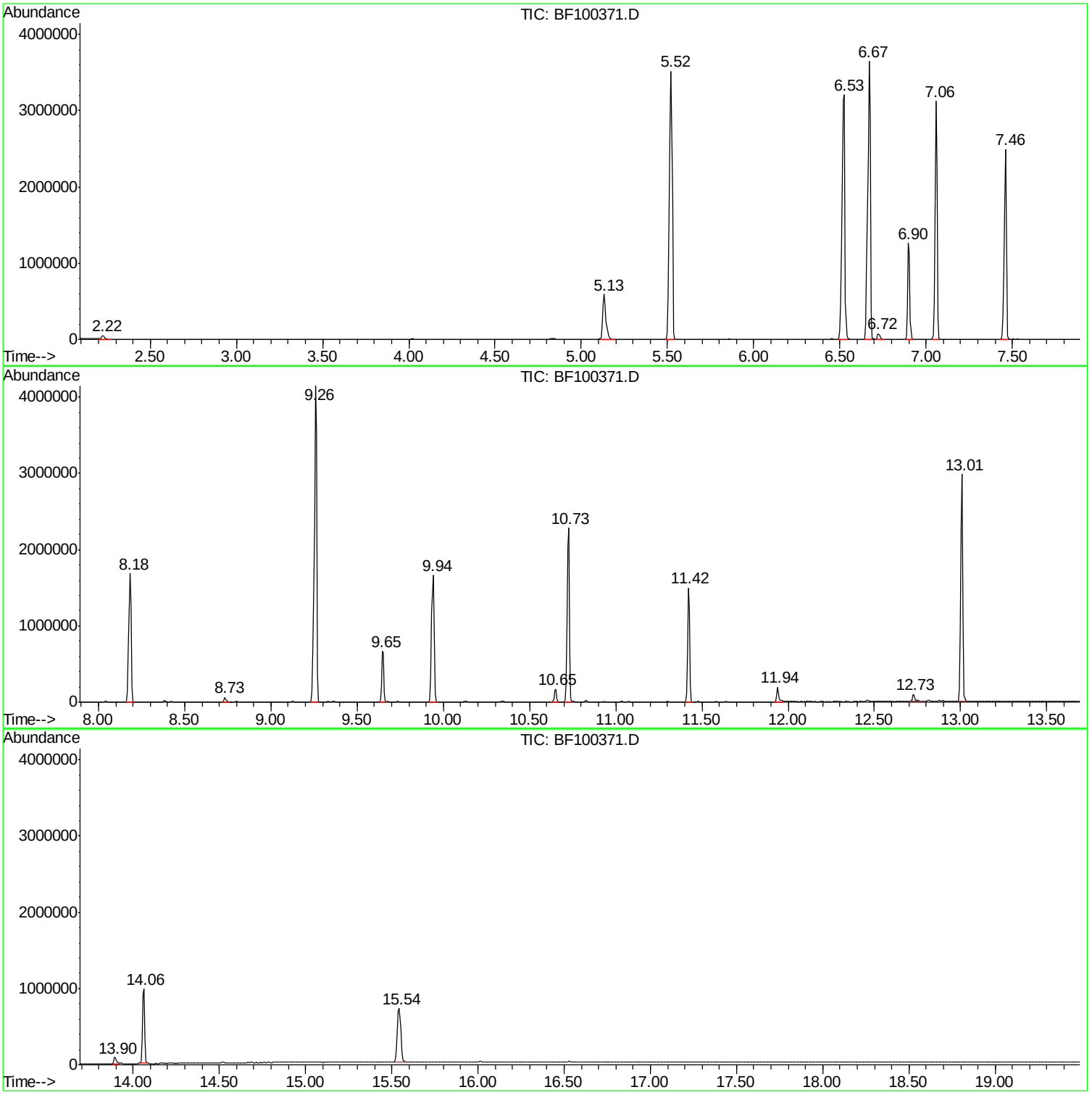
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

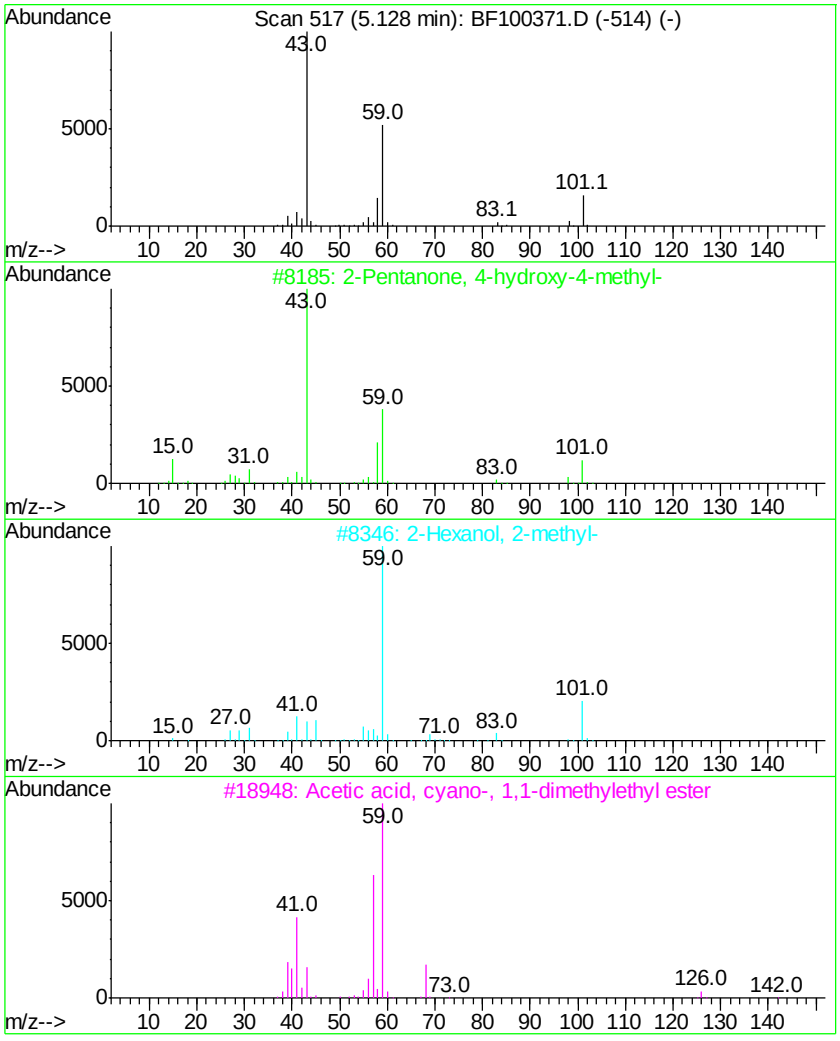
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

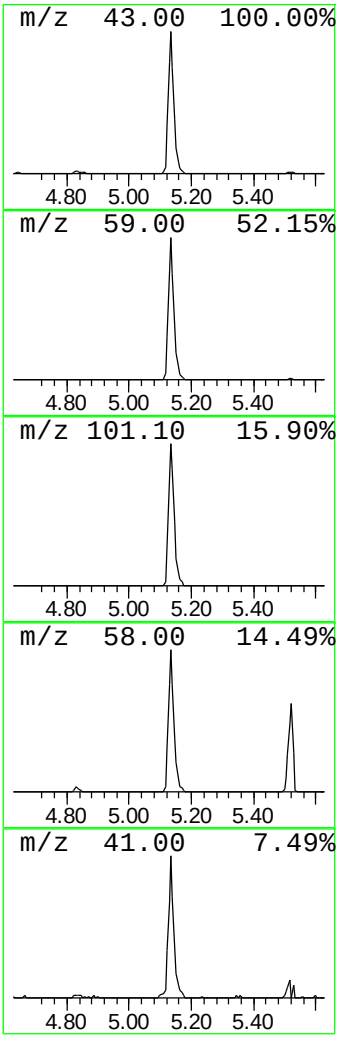
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 13.91 ng | 752301 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Ethanol, pentamethyl- | 116 | C7H16O | 000594-83-2 | 9 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

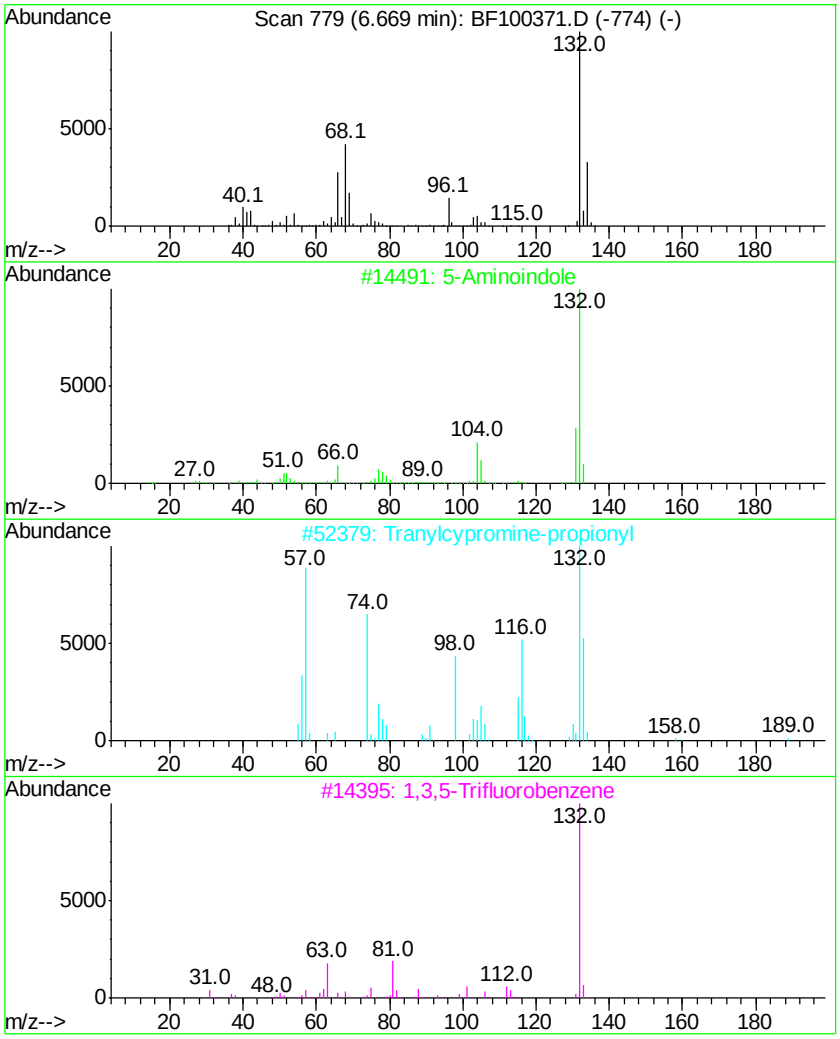
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

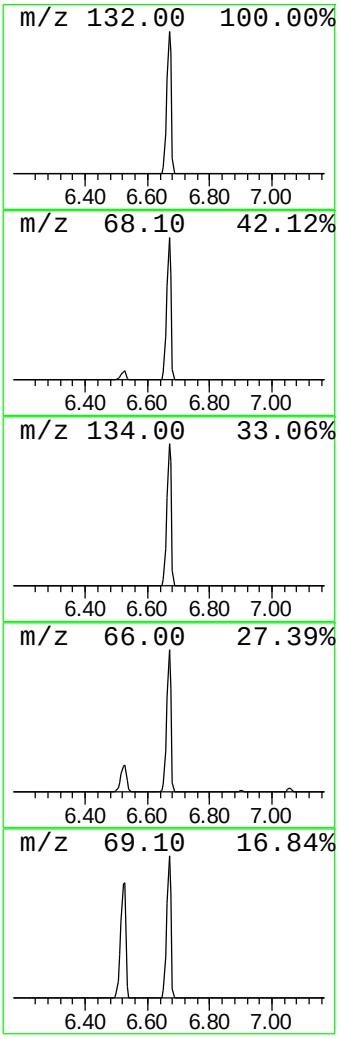
**********

Peak Number 2 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 68.88 ng | 3724220 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

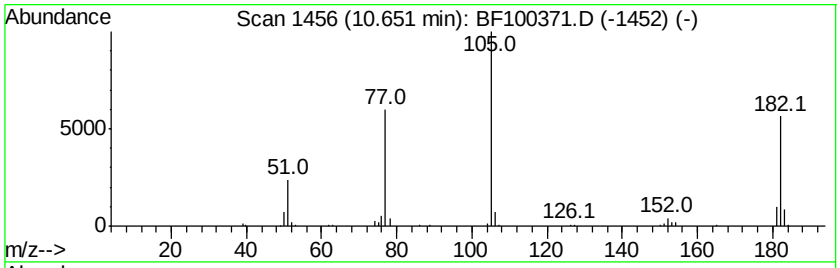
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

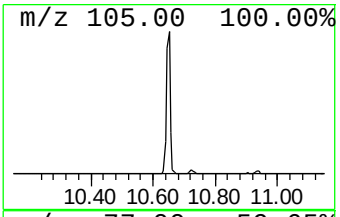
**********

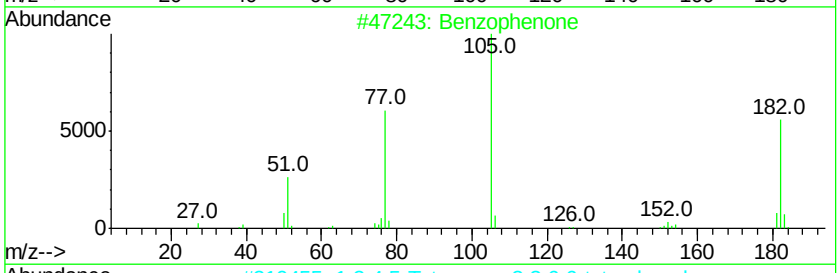
Peak Number 4 Benzophenone Concentration Rank 5

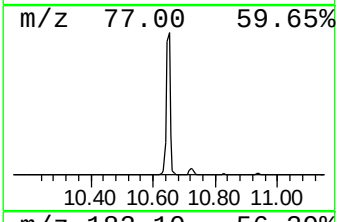
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 2.00 ng | 146753 | Acenaphthene-d10 | 9.94 |

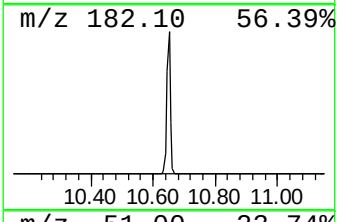
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 78 |
| 3 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 49 |
| 4 | Benzopinacol | 366 | C26H22O2 | 000464-72-2 | 47 |
| 5 | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3 | 015206-55-0 | 47 |

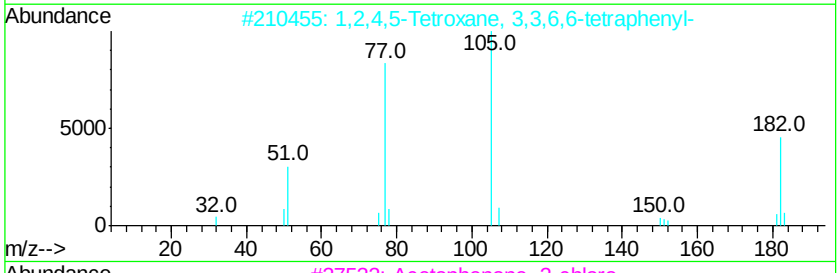


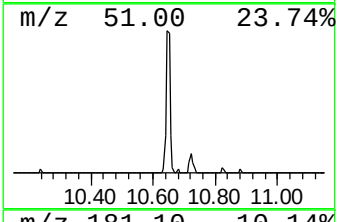



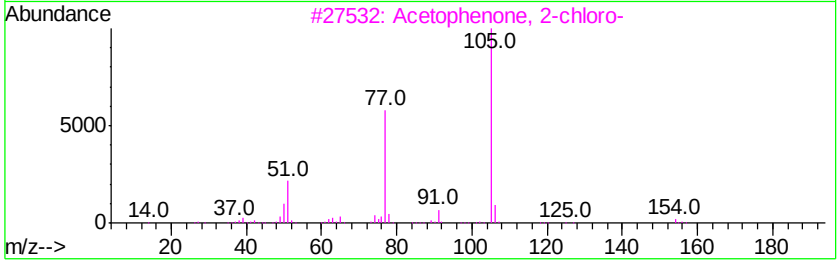



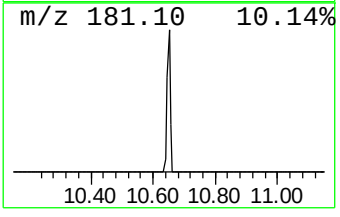



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

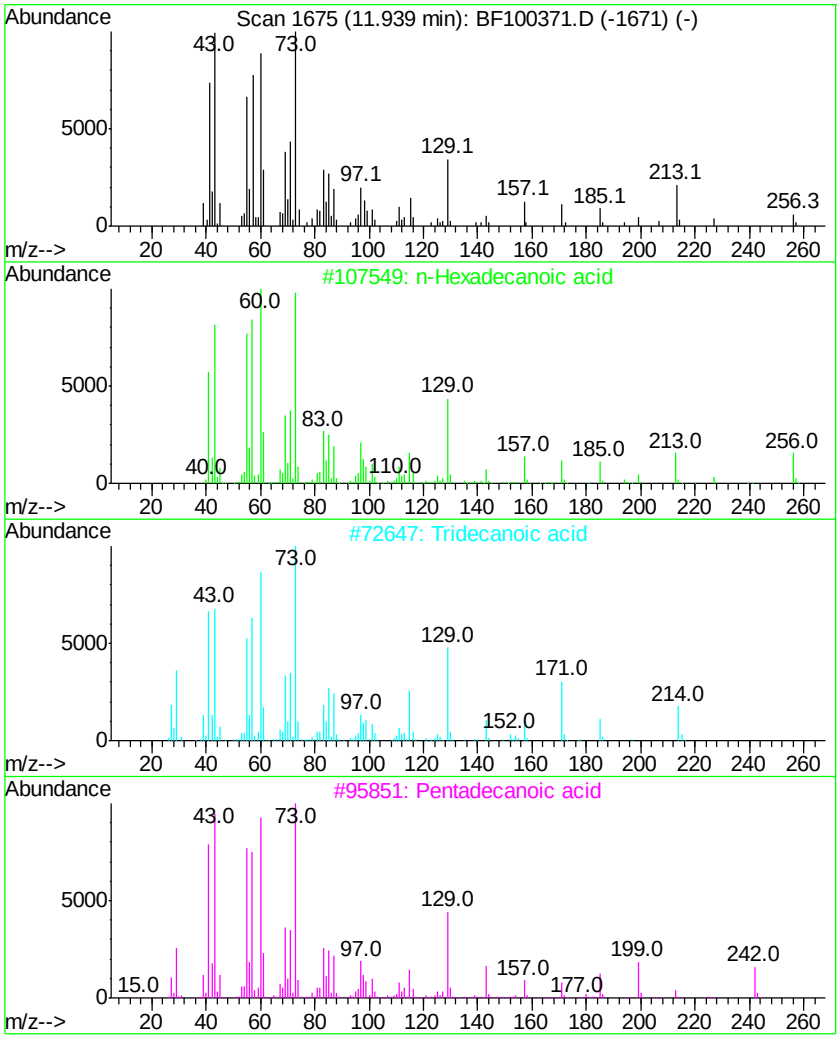
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

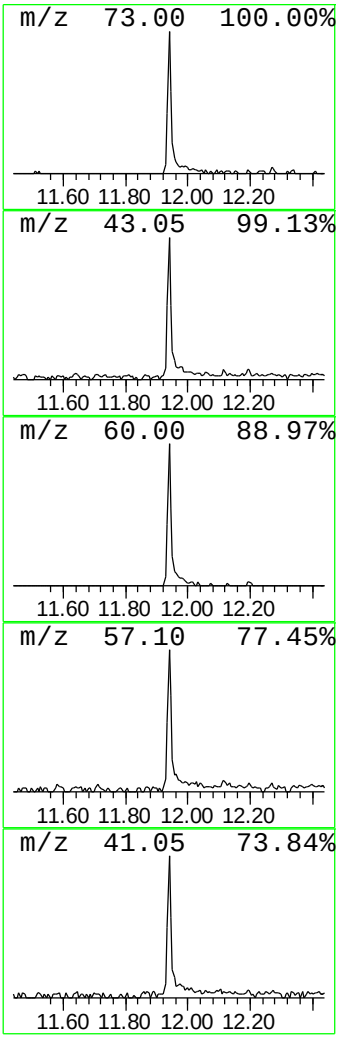
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 2.61 ng | 169909 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 92 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | Oxalic acid, dodecyl propyl ester | 300 | C17H32O4 | 1000309-26-5 | 25 |



# Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110917\
Data File : BF100371.D
Acq On : 10 Nov 2017 6:04
Operator : SJ/JU
Sample : I6346-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(40-42)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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... | 5.13 | 13.9 | ng | 752301 | 1 | 6.90 | 1081390 | 20.0 |
| unknown6.67 | 6.67 | 68.9 | ng | 3724220 | 1 | 6.90 | 1081390 | 20.0 |
| Benzophenone | 10.65 | 2.0 | ng | 146753 | 3 | 9.94 | 1467510 | 20.0 |
| n-Hexadecanoic acid | 11.94 | 2.6 | ng | 169909 | 4 | 11.42 | 1299540 | 20.0 |