LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101287.D
Acq On : 11 Dec 2017 14:15
Operator : SJ/JU
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

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-BF113017.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 | 2.122 | 3 | 6 | 16 | rVB2 | 35264 | 54959 | 2.75% | 0.365% |
| 2 | 5.063 | 502 | 506 | 520 | rBV | 91062 | 153951 | 7.70% | 1.021% |
| 3 | 5.457 | 568 | 573 | 588 | rBV | 1395506 | 1569010 | 78.52% | 10.408% |
| 4 | 6.475 | 740 | 746 | 758 | rBV | 1468202 | 1677257 | 83.94% | 11.126% |
| 5 | 6.604 | 763 | 768 | 771 | rBV | 1693530 | 1680061 | 84.08% | 11.144% |
| 6 | 6.828 | 803 | 806 | 814 | rBB | 373427 | 302241 | 15.13% | 2.005% |
| 7 | 6.987 | 828 | 833 | 836 | rBV | 1415346 | 1245111 | 62.31% | 8.259% |
| 8 | 7.398 | 897 | 903 | 906 | rBV | 968853 | 1009366 | 50.51% | 6.695% |
| 9 | 8.010 | 1004 | 1007 | 1016 | rBB | 25073 | 22763 | 1.14% | 0.151% |
| 10 | 8.110 | 1020 | 1024 | 1031 | rBV | 470990 | 397769 | 19.91% | 2.639% |
| 11 | 9.192 | 1202 | 1208 | 1211 | rBV | 2072715 | 1998184 | 100.00% | 13.255% |
| 12 | 9.581 | 1270 | 1274 | 1277 | rBV | 305004 | 235666 | 11.79% | 1.563% |
| 13 | 9.869 | 1319 | 1323 | 1327 | rBV2 | 553157 | 454659 | 22.75% | 3.016% |
| 14 | 10.669 | 1454 | 1459 | 1462 | rBV | 1227243 | 1177493 | 58.93% | 7.811% |
| 15 | 11.363 | 1573 | 1577 | 1580 | rBV | 542172 | 463359 | 23.19% | 3.074% |
| 16 | 12.951 | 1842 | 1847 | 1850 | rBV | 1937747 | 1890044 | 94.59% | 12.537% |
| 17 | 13.827 | 1991 | 1996 | 2001 | rBV | 42613 | 47234 | 2.36% | 0.313% |
| 18 | 14.010 | 2023 | 2027 | 2031 | rBV | 457704 | 399517 | 19.99% | 2.650% |
| 19 | 14.833 | 2163 | 2167 | 2171 | rVB | 20269 | 21259 | 1.06% | 0.141% |
| 20 | 15.486 | 2271 | 2278 | 2284 | rVB | 226436 | 275412 | 13.78% | 1.827% |

Sum of corrected areas: 15075315

LSC Report - Integrated Chromatogram

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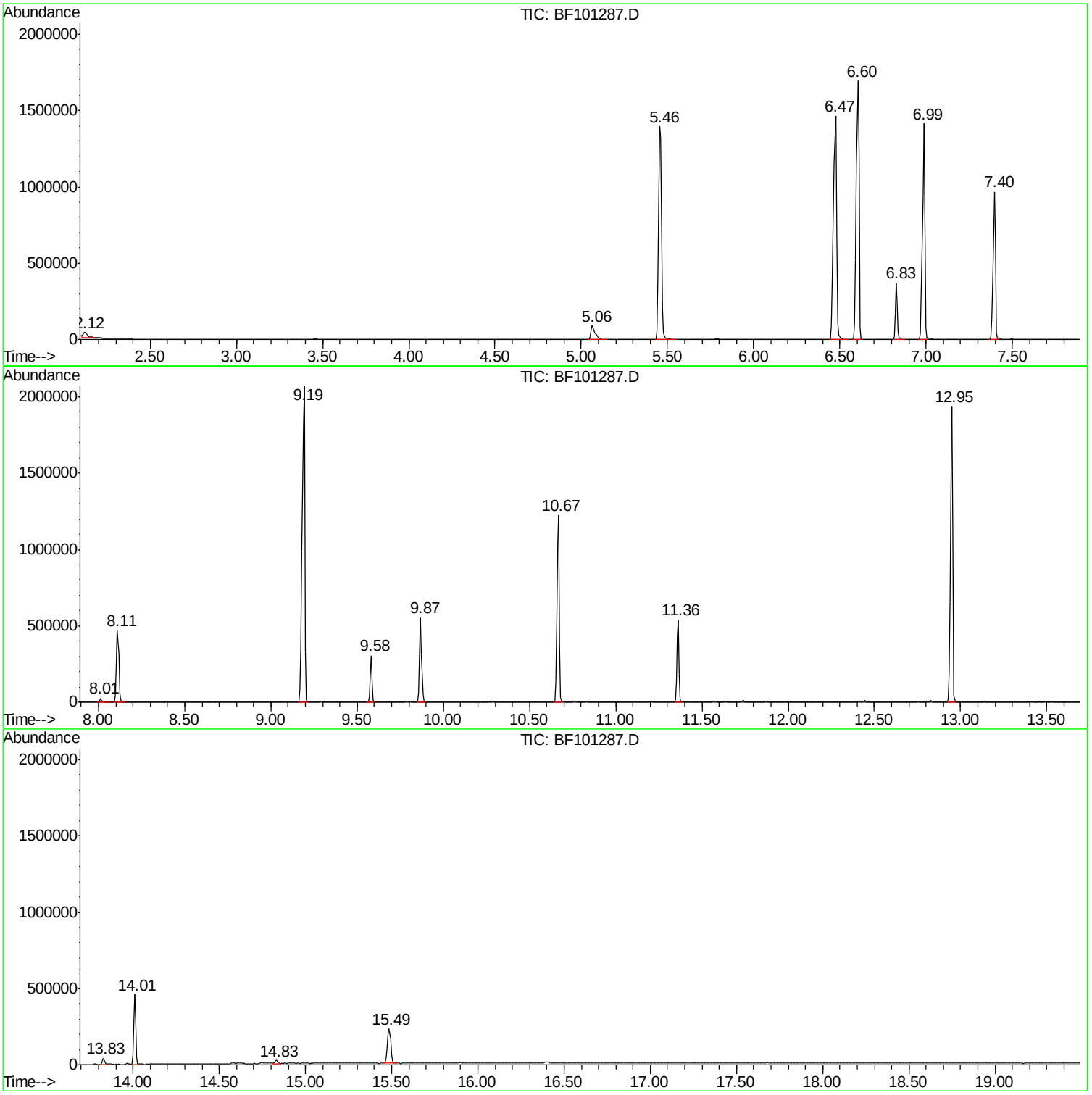
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101287.D
Acq On : 11 Dec 2017 14:15
Operator : SJ/JU
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

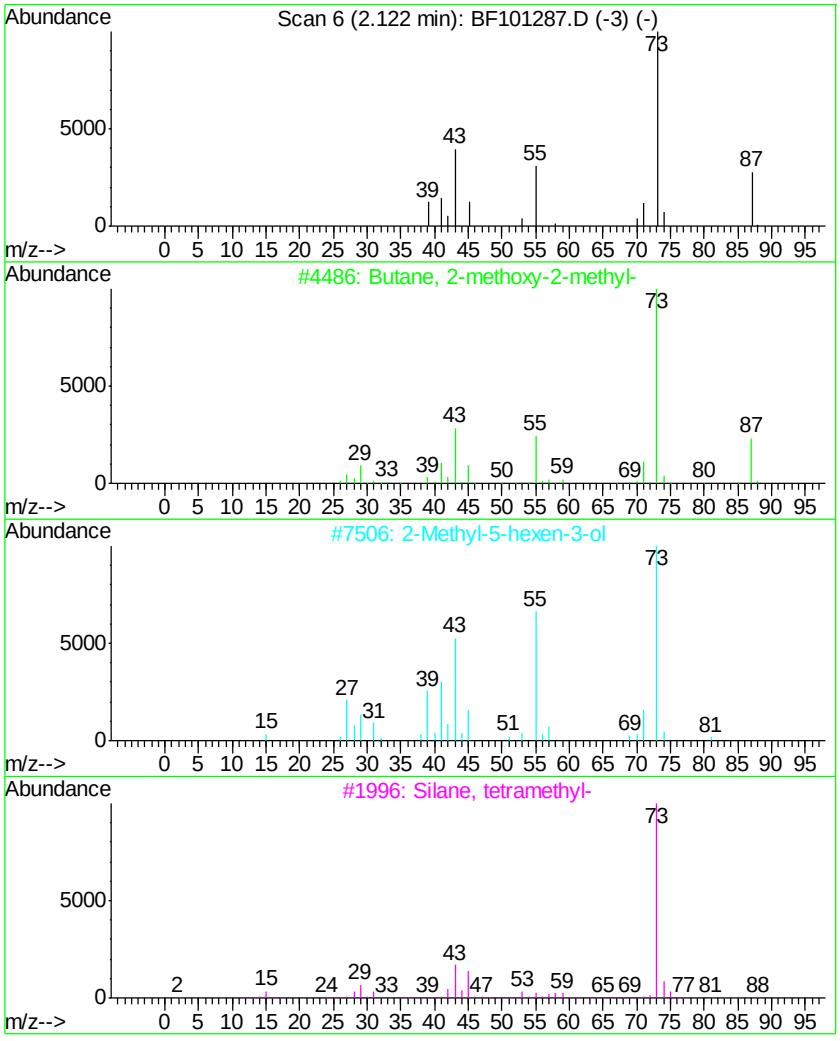
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

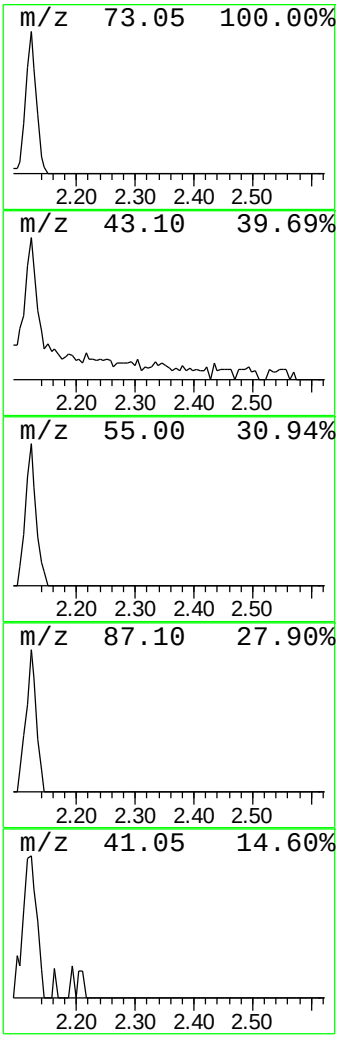
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.12 | 3.64 ng | 54959 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 36 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |
| 4 | 1,4-Butanediamine | 88 | C4H12N2 | 000110-60-1 | 9 |
| 5 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101287.D
Acq On : 11 Dec 2017 14:15
Operator : SJ/JU
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

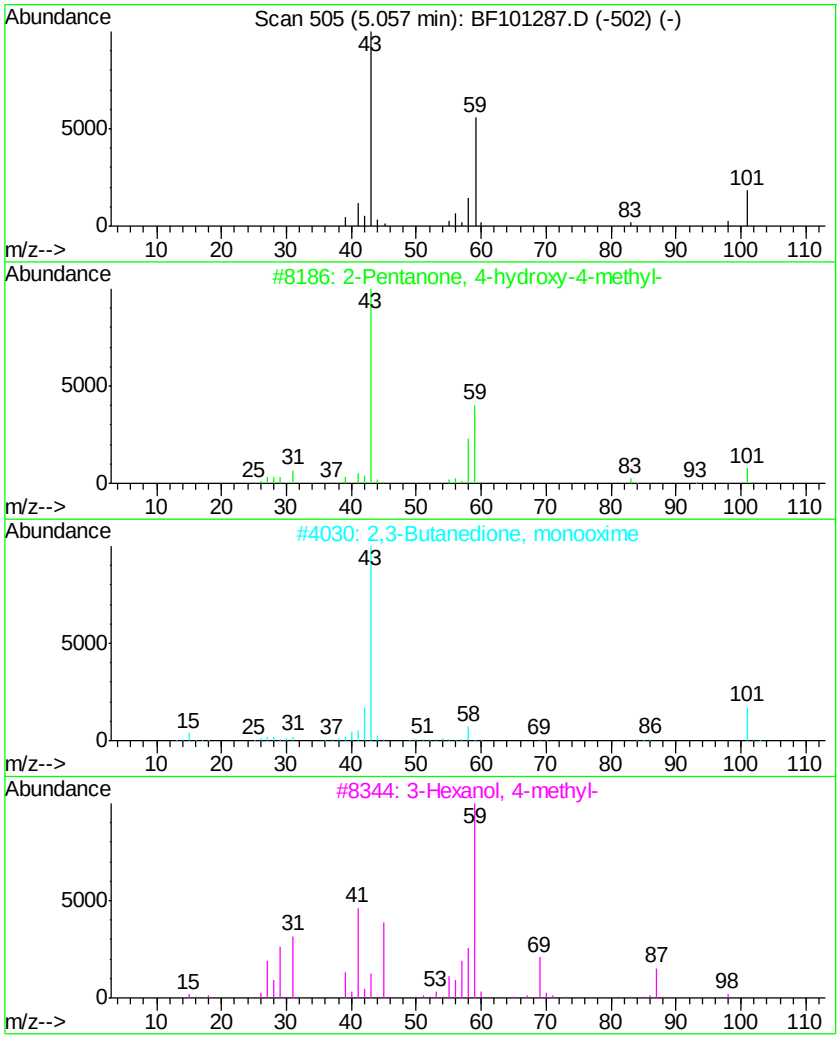
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

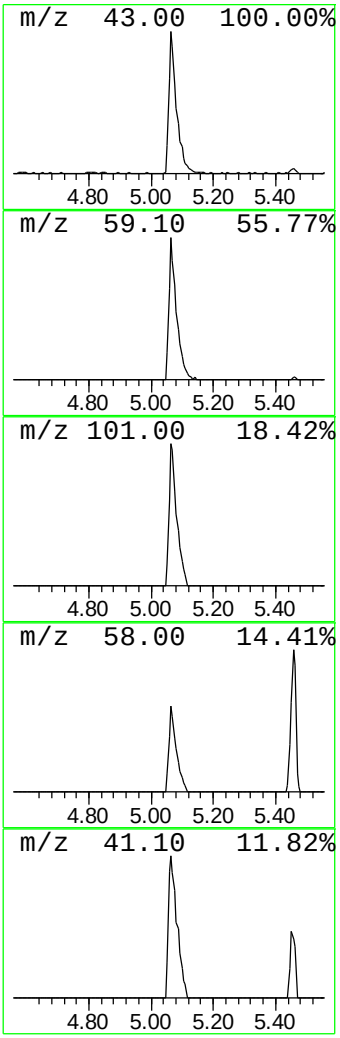
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 10.19 ng | 153951 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



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Data File : BF101287.D
Acq On : 11 Dec 2017 14:15
Operator : SJ/JU
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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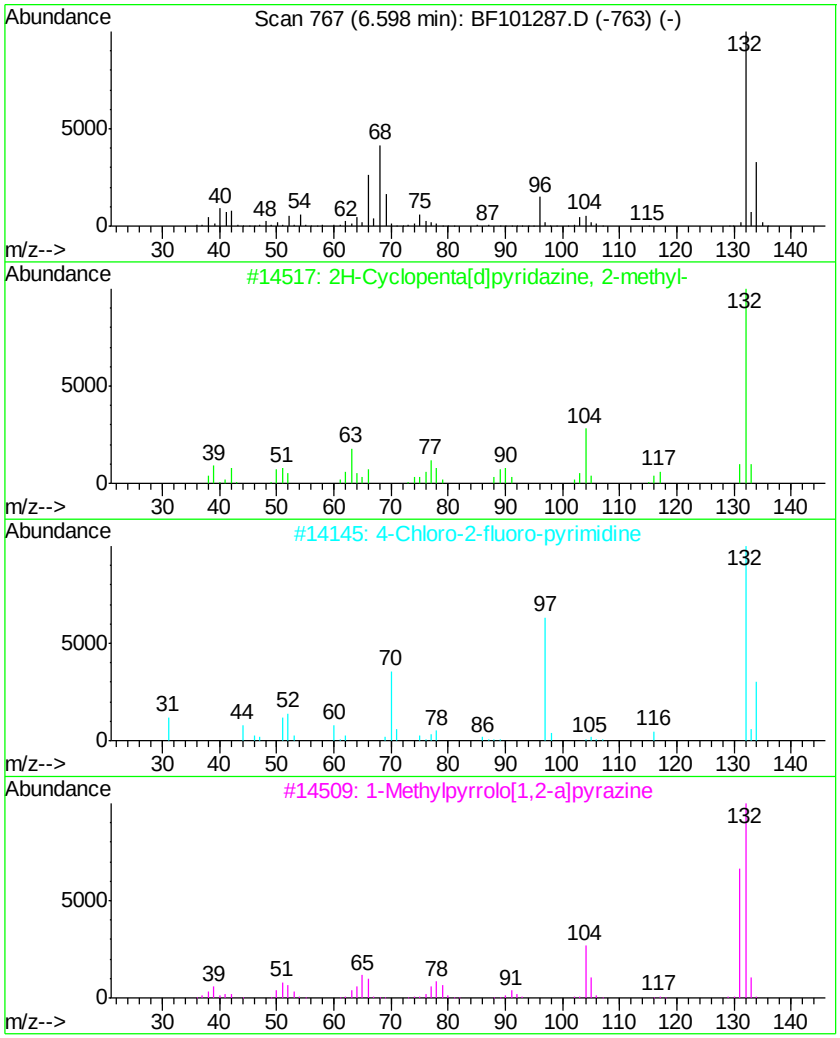
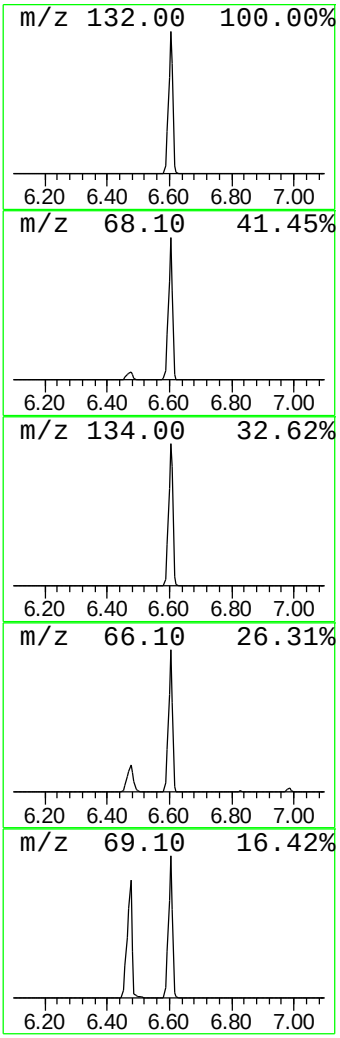
Peak Number 3 unknown6.60 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.60 | 111.17 ng | 1680060 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 2 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 3 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |



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Operator : SJ/JU
Sample : I6746-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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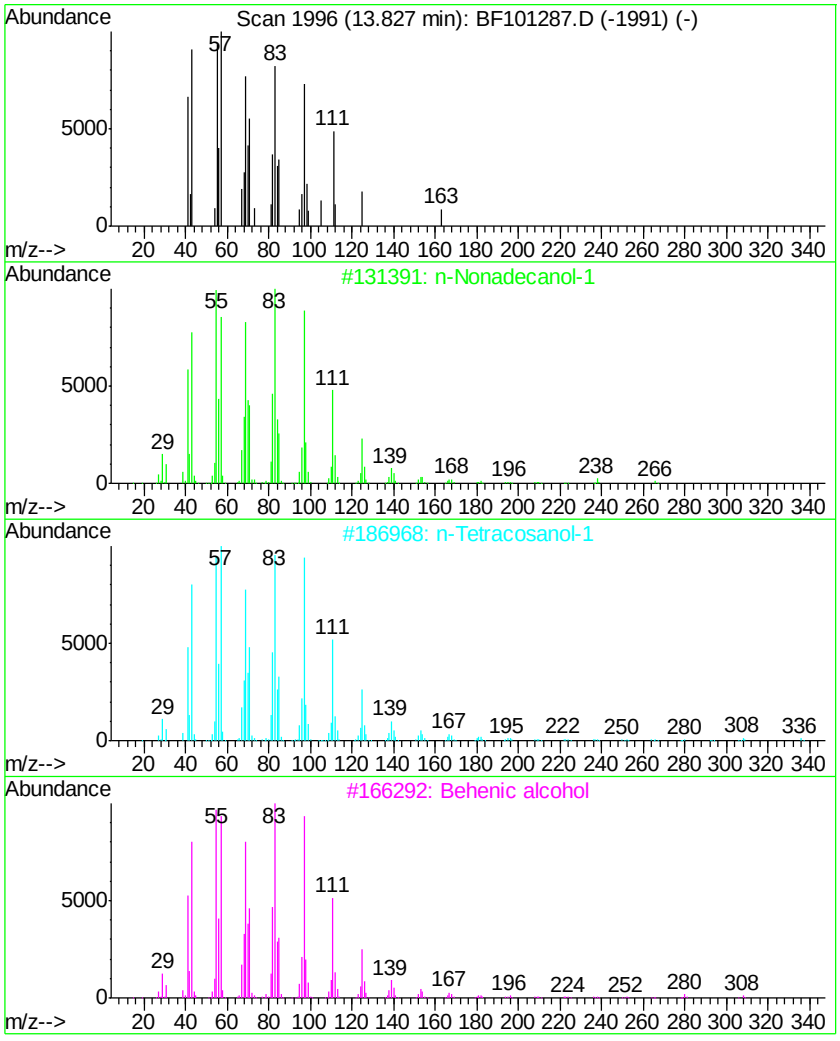
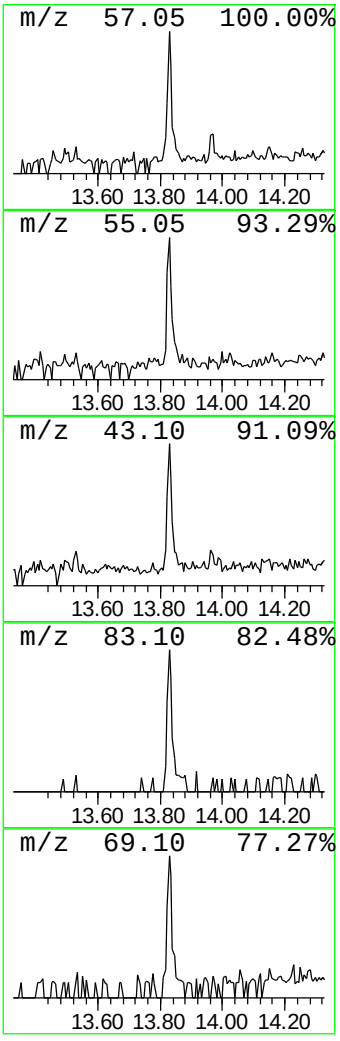
Peak Number 5 n-Nonadecanol-1 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.83 | 2.36 ng | 47234 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 91 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91 |
| 3 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
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Operator : SJ/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-109-4(40-50)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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 |
| Butane, 2-methoxy... | 2.12 | 3.6 | ng | 54959 | 1 | 6.83 | 302241 | 20.0 |
| 2-Pentanone, 4-hy... | 5.06 | 10.2 | ng | 153951 | 1 | 6.83 | 302241 | 20.0 |
| unknown6.60 | 6.60 | 111.2 | ng | 1680060 | 1 | 6.83 | 302241 | 20.0 |
| n-Nonadecanol-1 | 13.83 | 2.4 | ng | 47234 | 5 | 14.01 | 399517 | 20.0 |