LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

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-BF032818.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 | 2.310 | 33 | 38 | 50 | rVB | 88228 | 119480 | 4.68% | 0.520% |
| 2 | 5.198 | 526 | 529 | 538 | rBV | 66252 | 91775 | 3.59% | 0.399% |
| 3 | 5.593 | 592 | 596 | 631 | rBV | 1498321 | 2182652 | 85.44% | 9.493% |
| 4 | 6.592 | 762 | 766 | 785 | rBV | 1440535 | 2229181 | 87.26% | 9.695% |
| 5 | 6.728 | 785 | 789 | 815 | rVB | 2028791 | 2446939 | 95.78% | 10.642% |
| 6 | 6.957 | 824 | 828 | 840 | rBV | 405353 | 577677 | 22.61% | 2.512% |
| 7 | 7.110 | 850 | 854 | 873 | rBV | 1626888 | 1734734 | 67.90% | 7.545% |
| 8 | 7.522 | 919 | 924 | 947 | rBV | 894060 | 1453611 | 56.90% | 6.322% |
| 9 | 7.675 | 947 | 950 | 955 | rVB | 20152 | 25642 | 1.00% | 0.112% |
| 10 | 8.234 | 1041 | 1045 | 1074 | rBV | 679779 | 921663 | 36.08% | 4.008% |
| 11 | 9.310 | 1223 | 1228 | 1237 | rBV | 2239068 | 2554687 | 100.00% | 11.111% |
| 12 | 9.698 | 1288 | 1294 | 1300 | rBV | 144149 | 151037 | 5.91% | 0.657% |
| 13 | 9.904 | 1324 | 1329 | 1333 | rBV | 52644 | 47814 | 1.87% | 0.208% |
| 14 | 9.992 | 1340 | 1344 | 1357 | rBV | 1027624 | 1044660 | 40.89% | 4.543% |
| 15 | 10.404 | 1411 | 1414 | 1417 | rVB | 64509 | 50755 | 1.99% | 0.221% |
| 16 | 10.792 | 1475 | 1480 | 1492 | rBV | 1352906 | 1778881 | 69.63% | 7.737% |
| 17 | 10.875 | 1492 | 1494 | 1505 | rVB | 65225 | 86630 | 3.39% | 0.377% |
| 18 | 11.492 | 1595 | 1599 | 1615 | rBV | 814506 | 1032532 | 40.42% | 4.491% |
| 19 | 11.992 | 1681 | 1684 | 1688 | rBV2 | 57242 | 64750 | 2.53% | 0.282% |
| 20 | 13.074 | 1863 | 1868 | 1881 | rBV | 2409790 | 2549473 | 99.80% | 11.088% |
| 21 | 13.263 | 1896 | 1900 | 1907 | rBV9 | 13806 | 25965 | 1.02% | 0.113% |
| 22 | 13.945 | 2012 | 2016 | 2022 | rBV | 314665 | 332491 | 13.01% | 1.446% |
| 23 | 14.139 | 2045 | 2049 | 2058 | rBV | 758347 | 862020 | 33.74% | 3.749% |
| 24 | 15.674 | 2305 | 2310 | 2322 | rVB | 392915 | 627849 | 24.58% | 2.731% |

Sum of corrected areas: 22992898

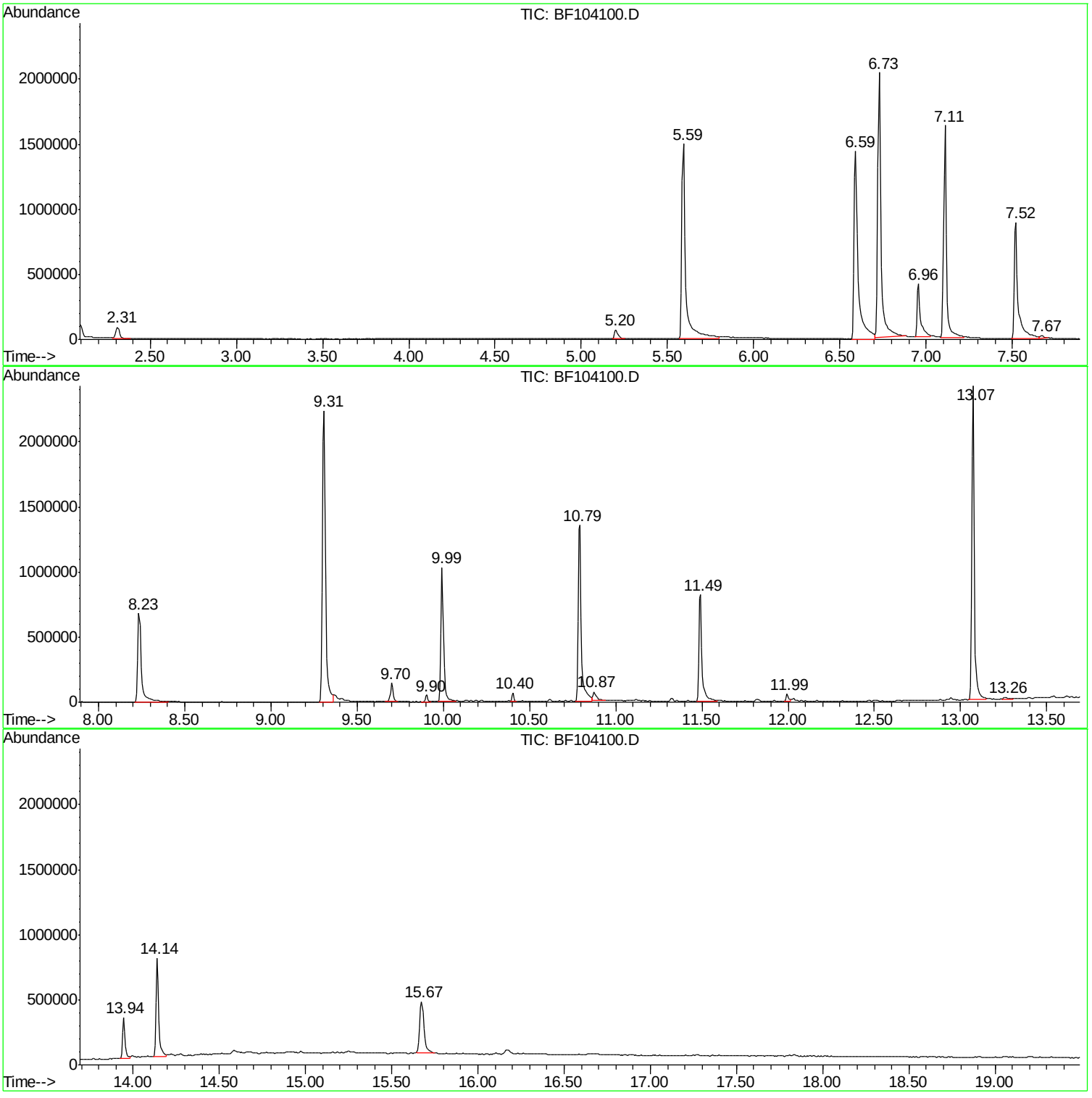
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

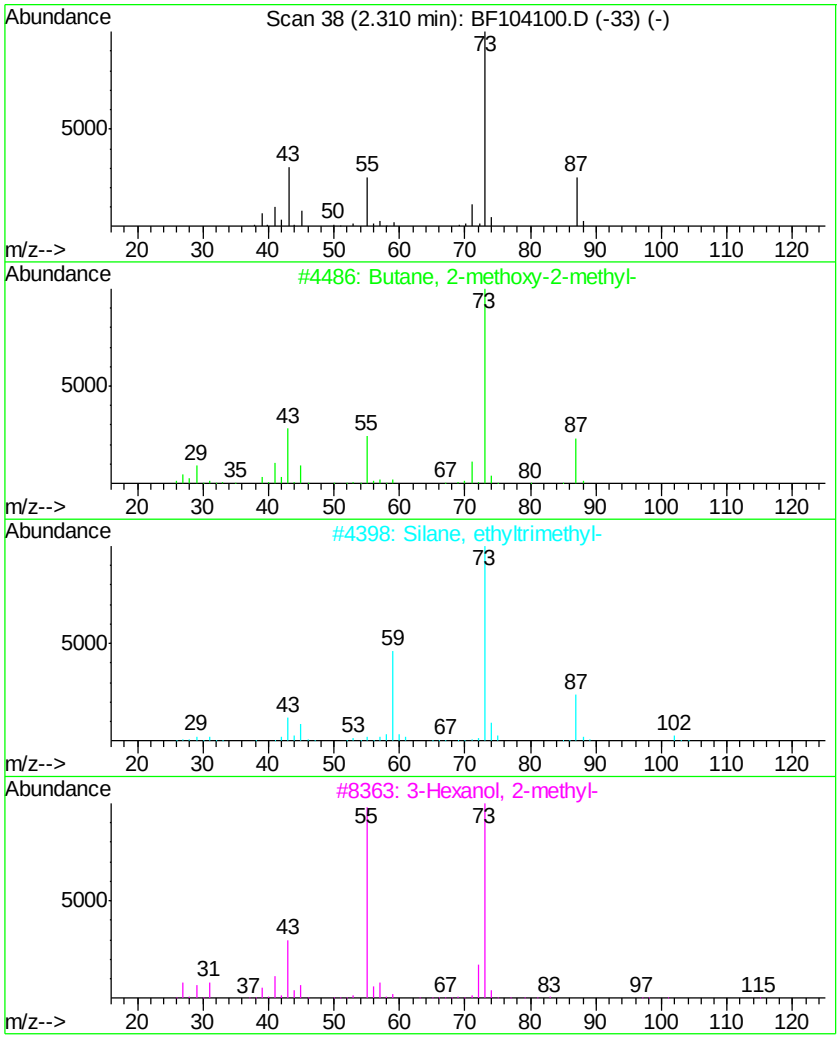
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

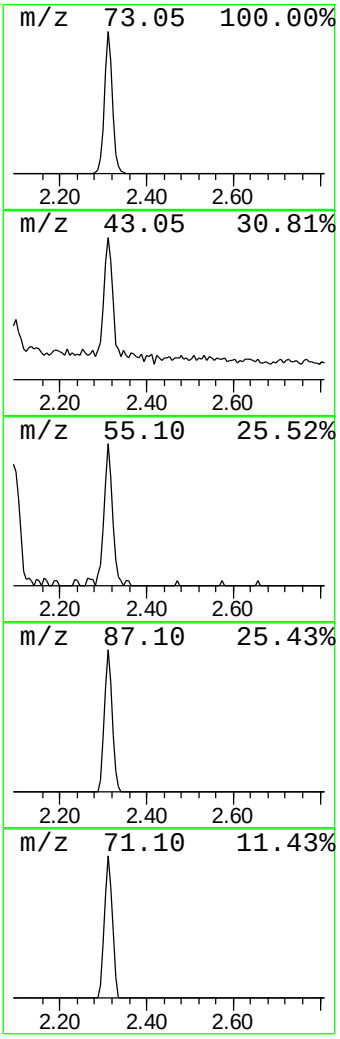
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.31 | 4.14 ng | 119480 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 86 |
| 2 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 33 |
| 3 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

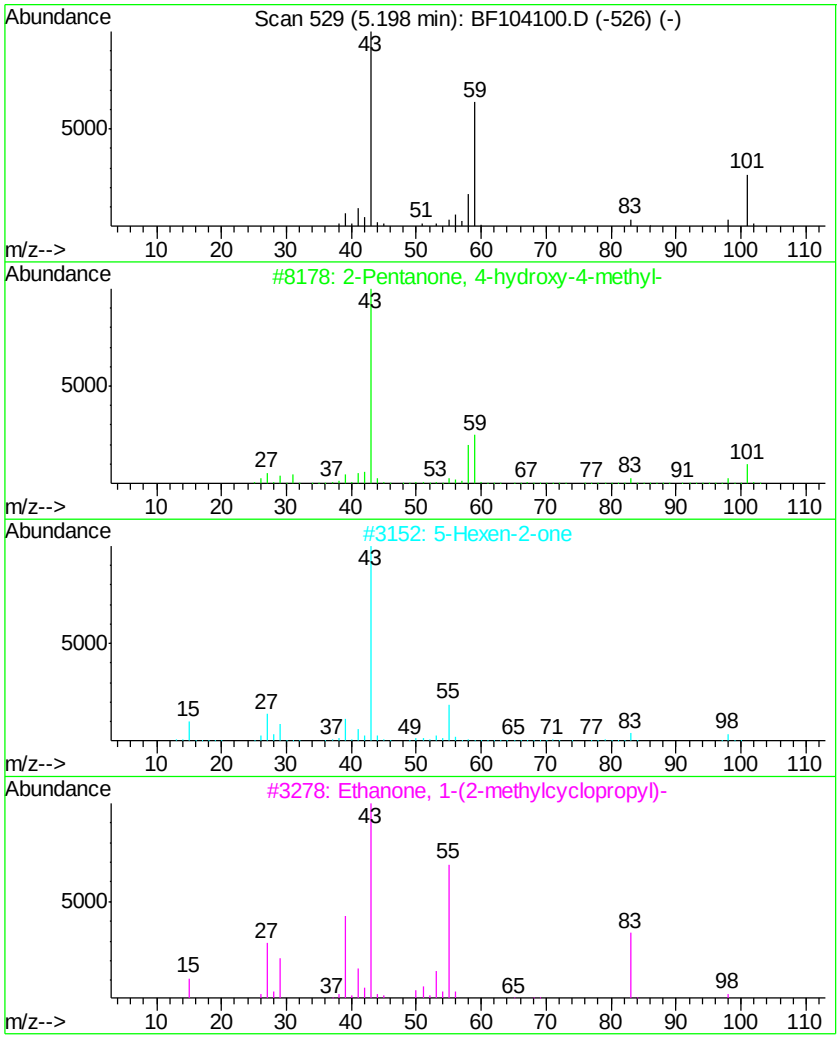
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

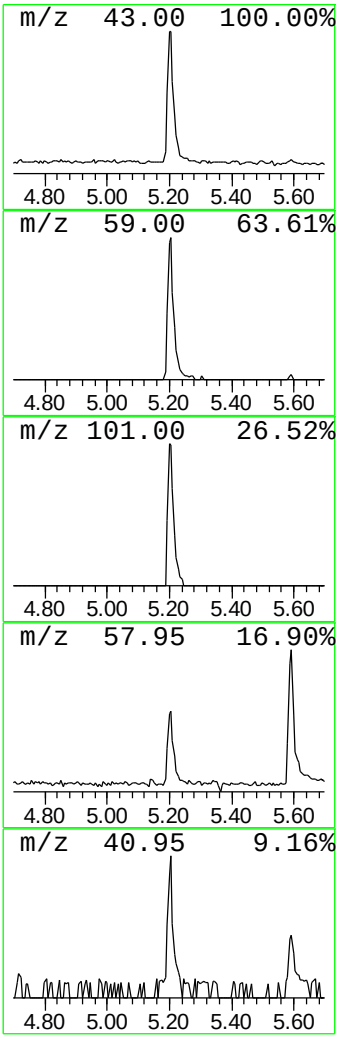
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.20 | 3.18 ng | 91775 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 14 |
| 3 | Ethanone, 1-(2-methylcyclopropyl)- | 98 | C6H10O | 000930-56-3 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 4-Penten-2-one, 4-methyl- | 98 | C6H10O | 003744-02-3 | 9 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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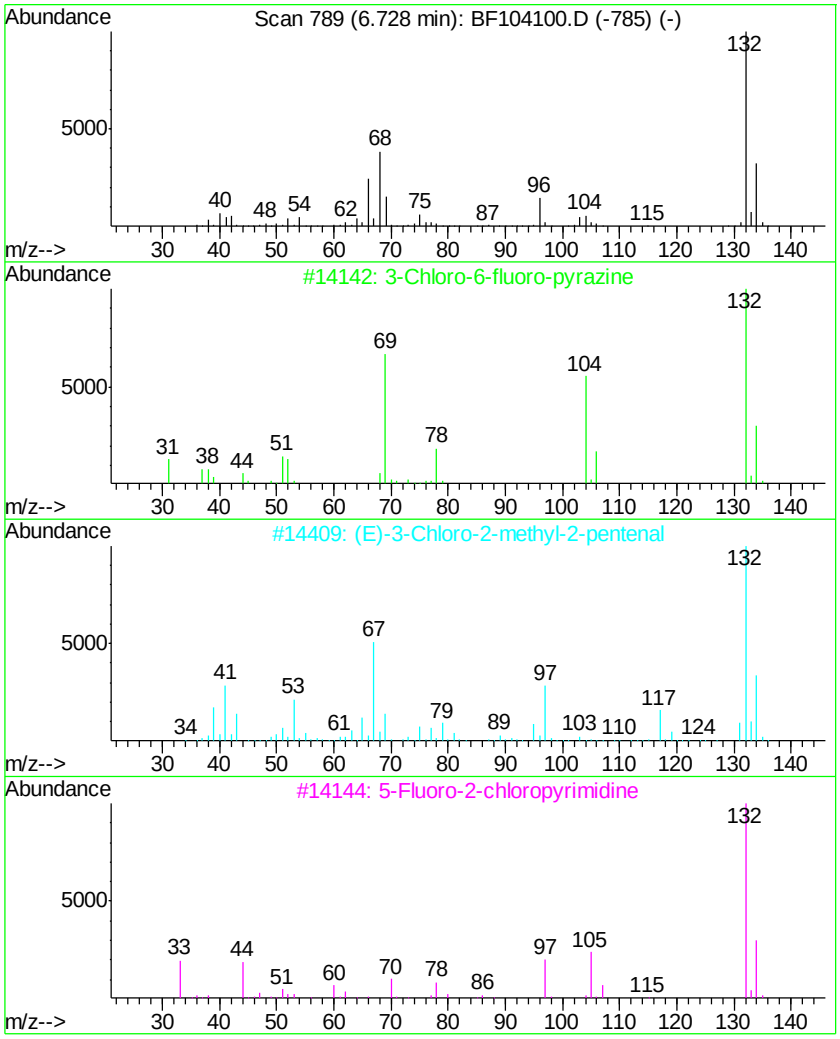
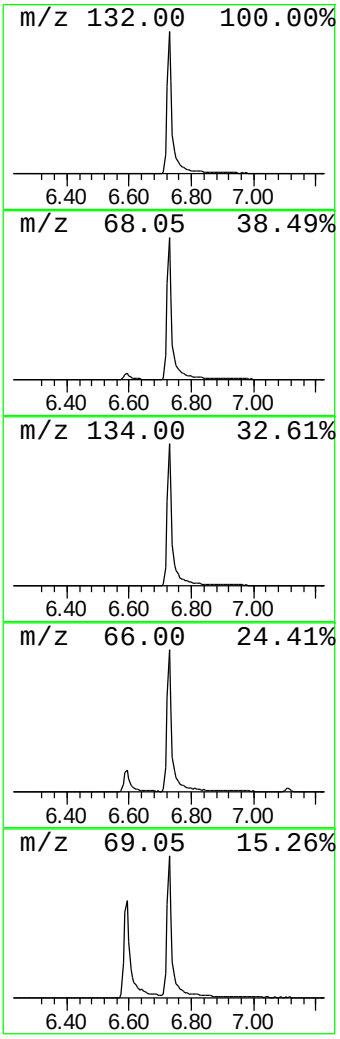
Peak Number 3 unknown6.73 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 84.72 ng | 2446940 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 4 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 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\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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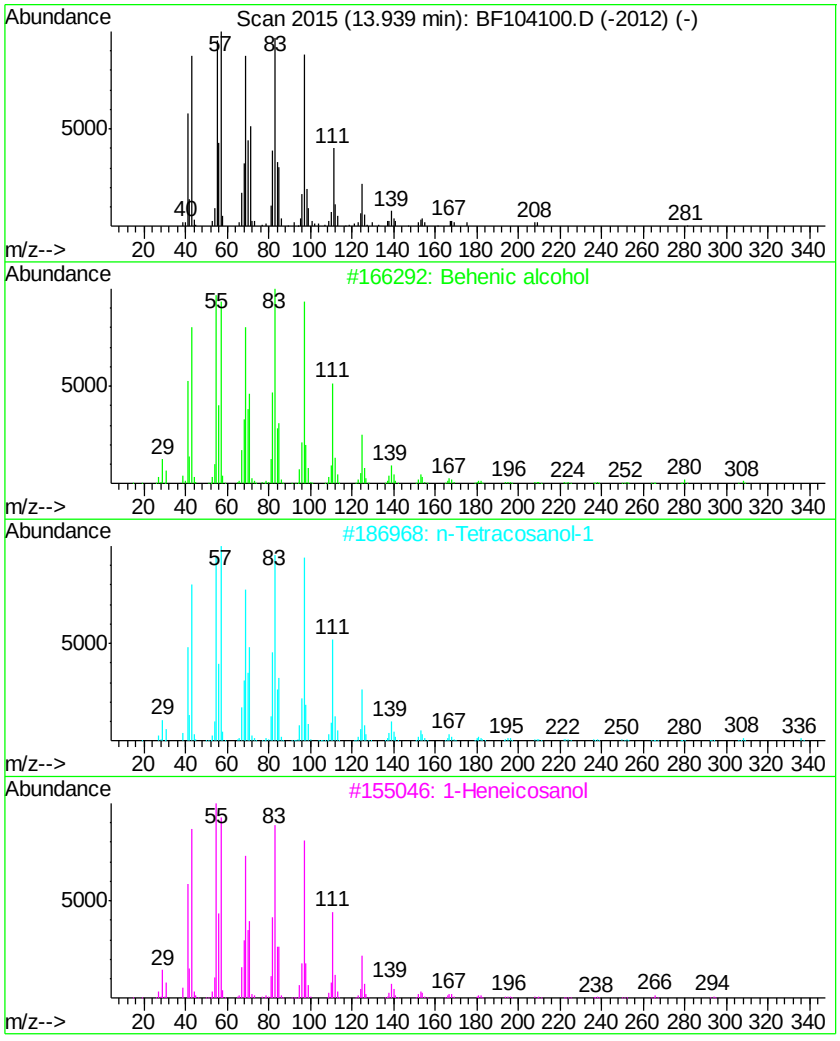
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

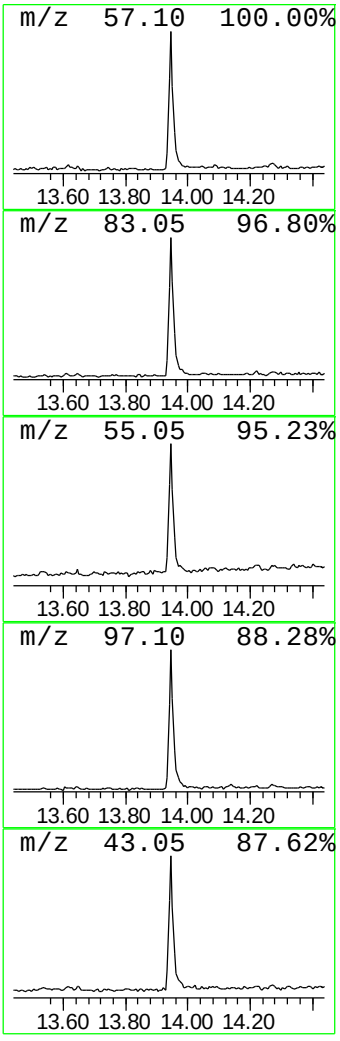
**********

Peak Number 5 Behenic alcohol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.94 | 7.71 ng | 332491 | Chrysene-d12 | 14.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 95 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |



# Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF033018\
Data File : BF104100.D
Acq On : 30 Mar 2018 18:41
Operator : JU/SJ
Sample : J2146-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-CS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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... | 2.31 | 4.1 | ng | 119480 | 1 | 6.96 | 577677 | 20.0 |
| 2-Pentanone, 4-hy... | 5.20 | 3.2 | ng | 91775 | 1 | 6.96 | 577677 | 20.0 |
| unknown6.73 | 6.73 | 84.7 | ng | 2446940 | 1 | 6.96 | 577677 | 20.0 |
| Behenic alcohol | 13.94 | 7.7 | ng | 332491 | 5 | 14.14 | 862020 | 20.0 |