LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
Data File : BF100023.D
Acq On : 31 Oct 2017 23:59
Operator : SJ/JU
Sample : I6081-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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 | 5.004 | 493 | 496 | 511 | rBV | 134849 | 207503 | 13.58% | 1.448% |
| 2 | 5.410 | 562 | 565 | 591 | rBV | 1196475 | 1391114 | 91.03% | 9.706% |
| 3 | 6.434 | 736 | 739 | 757 | rBV | 1396544 | 1501275 | 98.24% | 10.475% |
| 4 | 6.563 | 757 | 761 | 773 | rVB | 1578879 | 1511343 | 98.89% | 10.545% |
| 5 | 6.786 | 796 | 799 | 808 | rBV | 518316 | 452812 | 29.63% | 3.159% |
| 6 | 6.939 | 822 | 825 | 841 | rBV | 1232130 | 1111407 | 72.72% | 7.755% |
| 7 | 7.357 | 893 | 896 | 919 | rBV | 941169 | 864507 | 56.57% | 6.032% |
| 8 | 8.069 | 1014 | 1017 | 1042 | rBV | 722093 | 625901 | 40.96% | 4.367% |
| 9 | 8.633 | 1110 | 1113 | 1123 | rBB | 23001 | 22849 | 1.50% | 0.159% |
| 10 | 9.145 | 1196 | 1200 | 1203 | rBV | 1713584 | 1528246 | 100.00% | 10.663% |
| 11 | 9.539 | 1264 | 1267 | 1283 | rBB | 168985 | 159846 | 10.46% | 1.115% |
| 12 | 9.827 | 1312 | 1316 | 1330 | rVB | 720436 | 681873 | 44.62% | 4.758% |
| 13 | 10.539 | 1434 | 1437 | 1448 | rBB | 86746 | 75419 | 4.94% | 0.526% |
| 14 | 10.621 | 1448 | 1451 | 1465 | rBV | 775430 | 736844 | 48.22% | 5.141% |
| 15 | 11.321 | 1566 | 1570 | 1579 | rBV | 725000 | 648230 | 42.42% | 4.523% |
| 16 | 11.833 | 1655 | 1657 | 1663 | rBV2 | 15521 | 18269 | 1.20% | 0.127% |
| 17 | 12.904 | 1835 | 1839 | 1842 | rBV | 1560108 | 1360859 | 89.05% | 9.495% |
| 18 | 13.786 | 1985 | 1989 | 1996 | rBV | 53244 | 65431 | 4.28% | 0.457% |
| 19 | 13.980 | 2018 | 2022 | 2029 | rBV | 473590 | 450297 | 29.46% | 3.142% |
| 20 | 14.721 | 2144 | 2148 | 2156 | rBV | 495296 | 488111 | 31.94% | 3.406% |
| 21 | 15.468 | 2270 | 2275 | 2286 | rVB2 | 314937 | 429660 | 28.11% | 2.998% |

Sum of corrected areas: 14331796

LSC Report - Integrated Chromatogram

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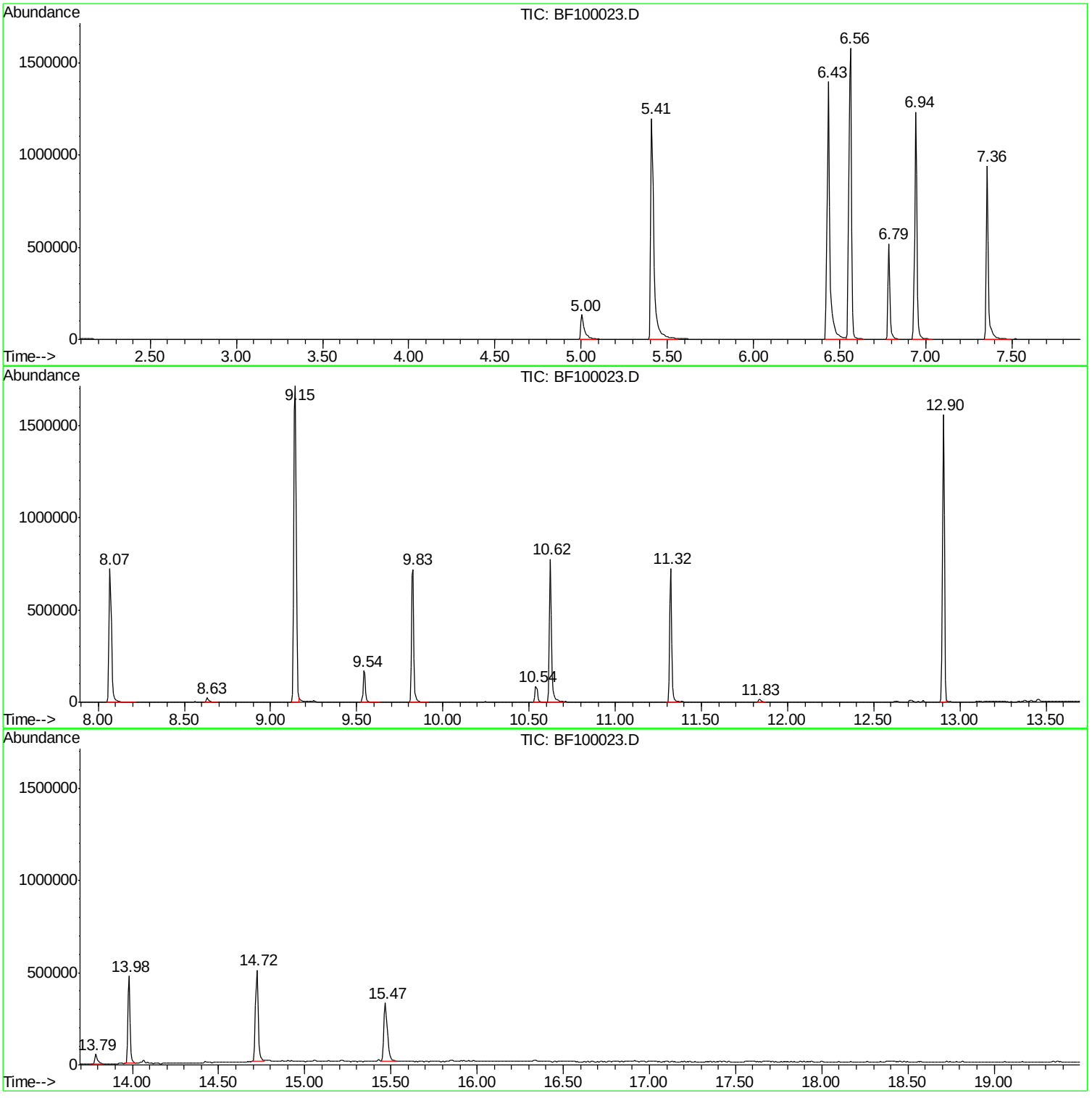
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
Data File : BF100023.D
Acq On : 31 Oct 2017 23:59
Operator : SJ/JU
Sample : I6081-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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

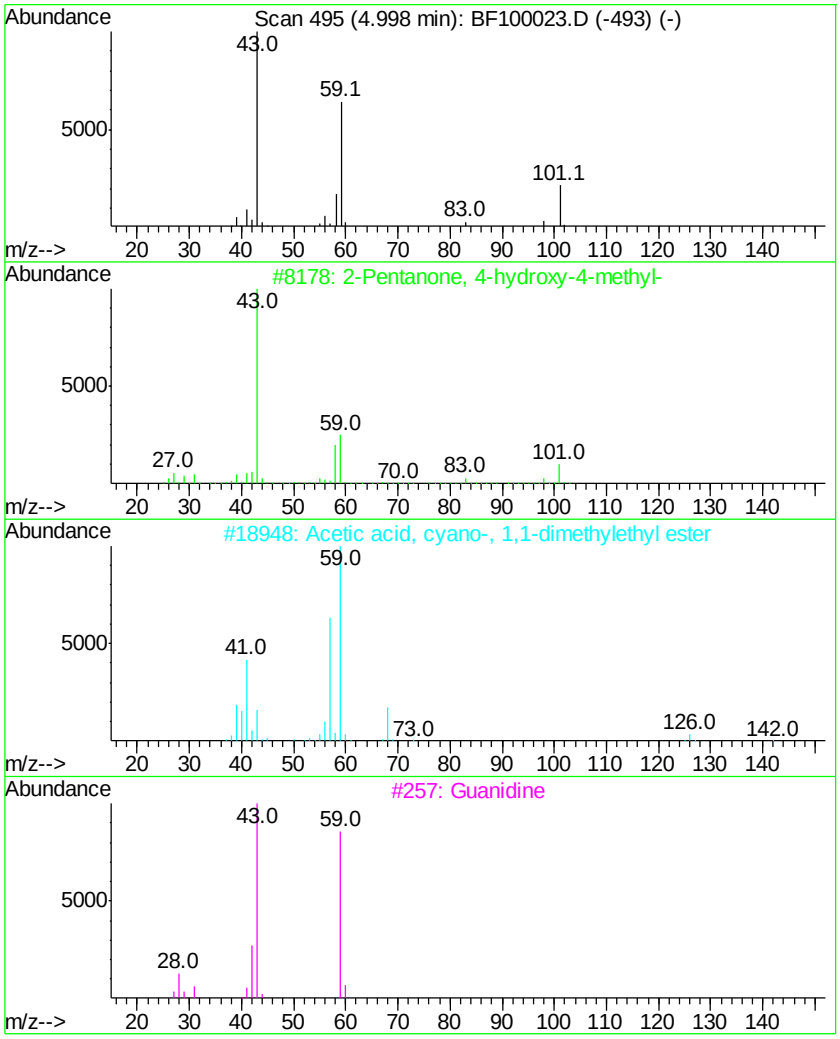
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

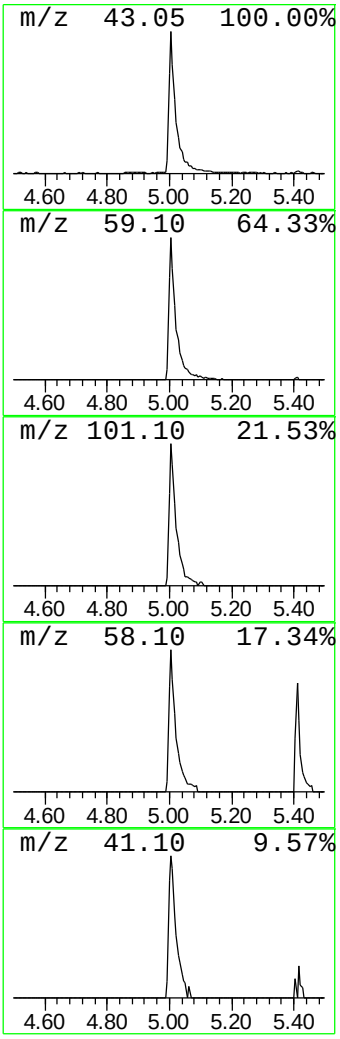
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.00 | 9.17 ng | 207503 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



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Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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

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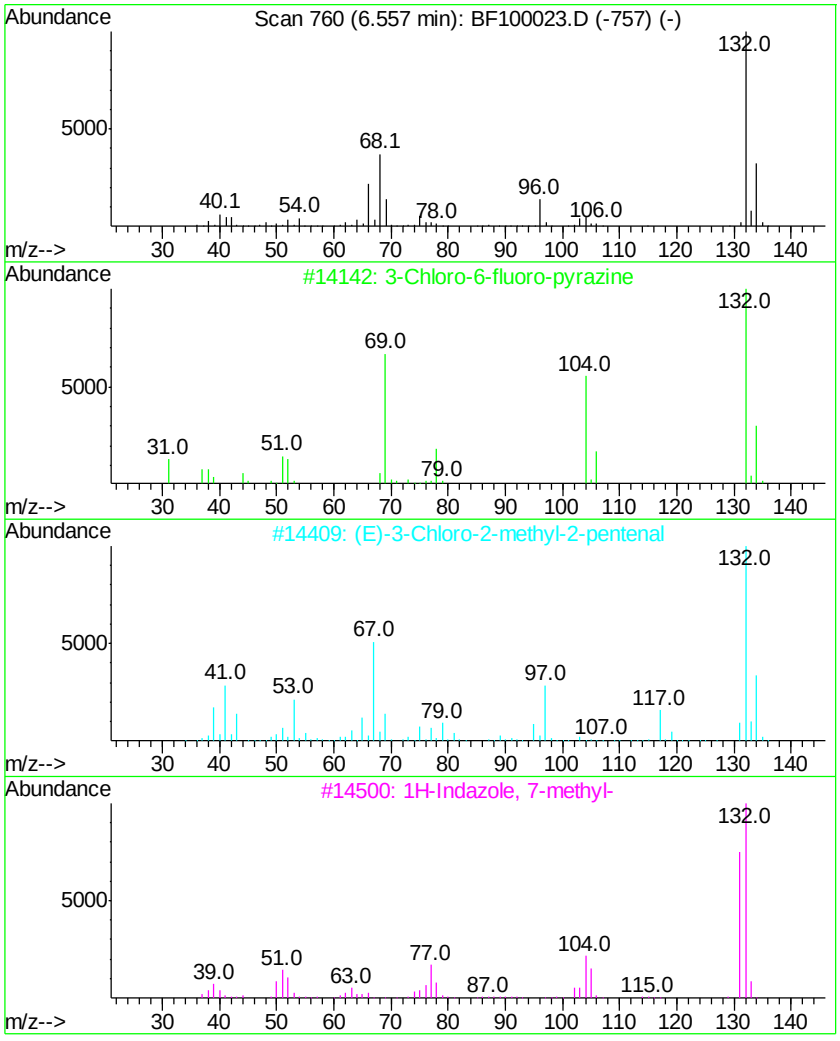
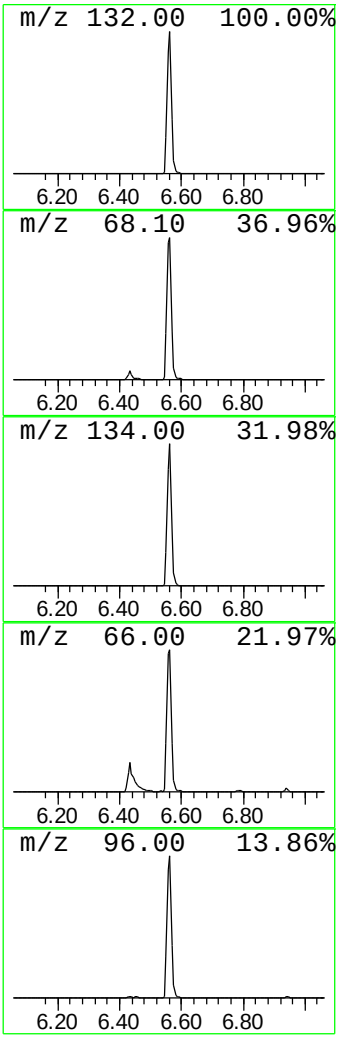
Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 66.75 ng | 1511340 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 10 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



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Data File : BF100023.D
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Operator : SJ/JU
Sample : I6081-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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

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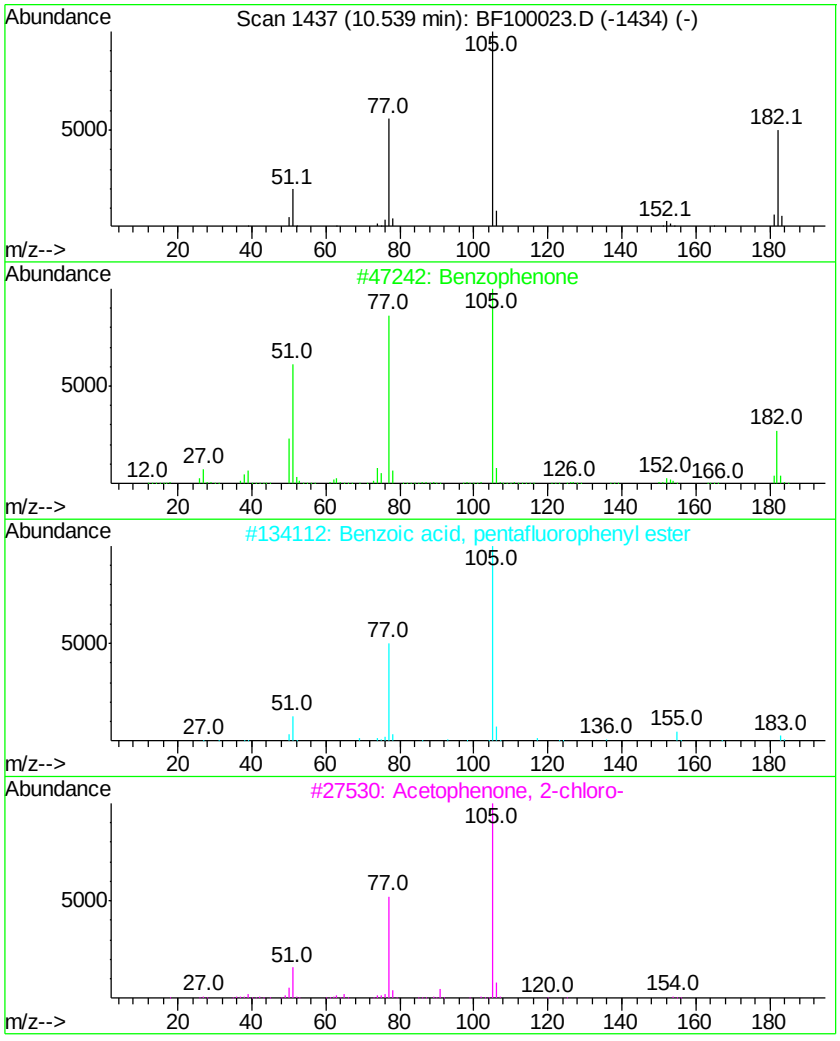
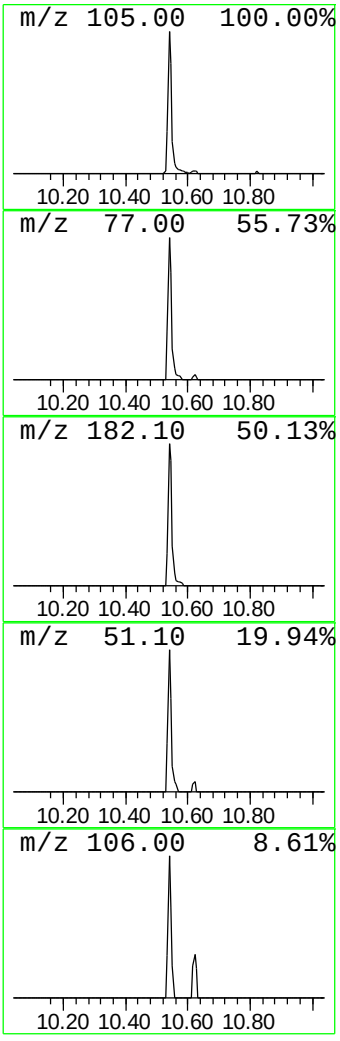
Peak Number 4 Benzophenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.54 | 2.21 ng | 75419 | Acenaphthene-d10 | 9.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 91 |
| 2 | Benzoic acid, pentafluorophenyl ... | 288 | C13H5F5O2 | 1000360-67-9 | 50 |
| 3 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 49 |
| 4 | N-(1-Cyanovinyl)benzamide | 172 | C10H8N2O | 1000186-19-1 | 47 |
| 5 | Benzene, (trimethoxymethyl)- | 182 | C10H14O3 | 000707-07-3 | 47 |



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Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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

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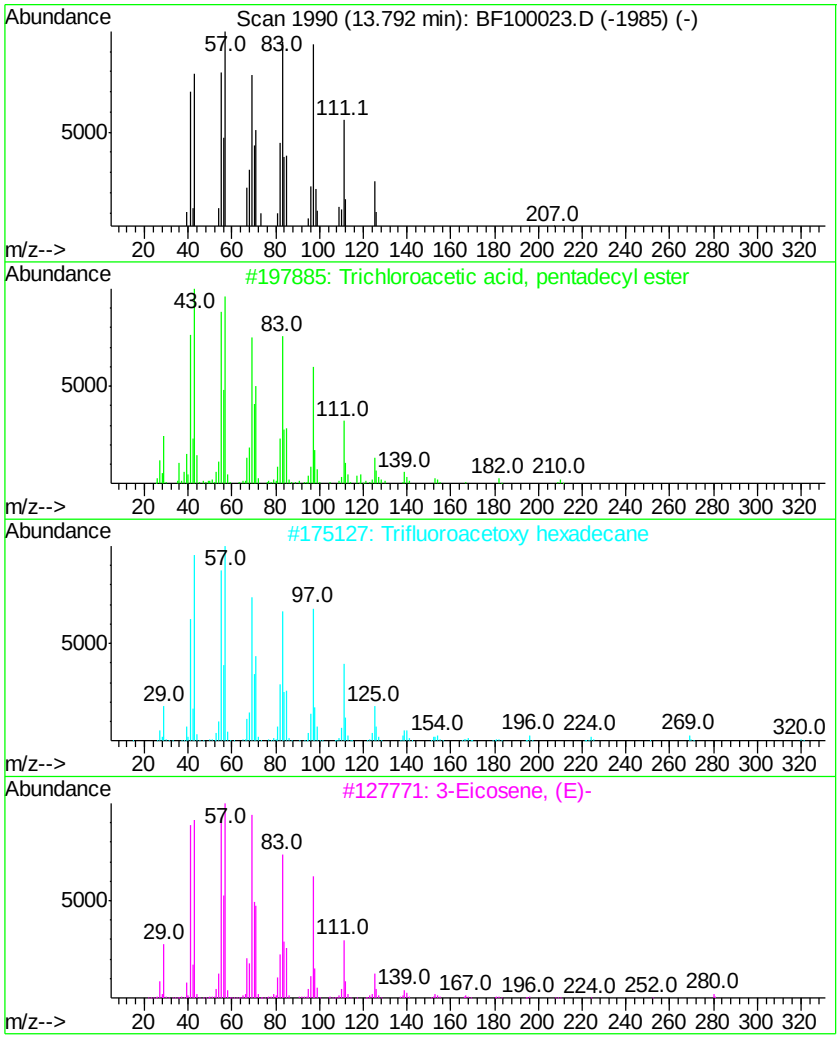
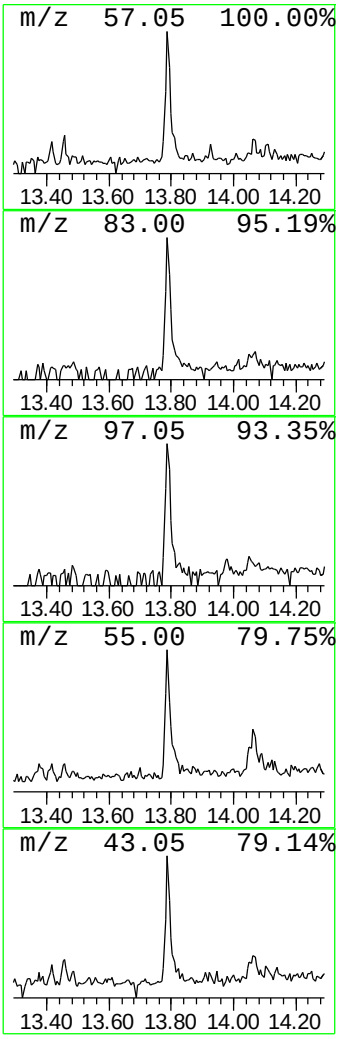
Peak Number 5 Trichloroacetic acid, penta... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.79 | 2.91 ng | 65431 | Chrysene-d12 | 13.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 90 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 87 |
| 4 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 87 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 87 |



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Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Q4-COMP-NATIVE

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

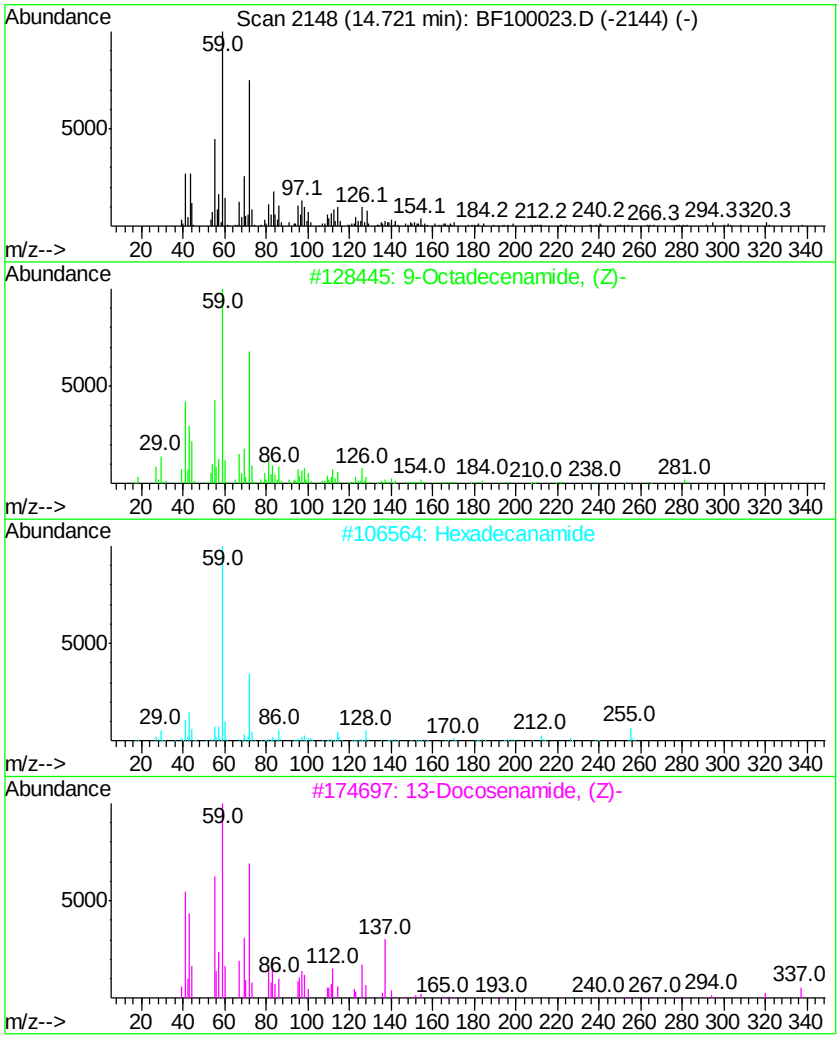
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

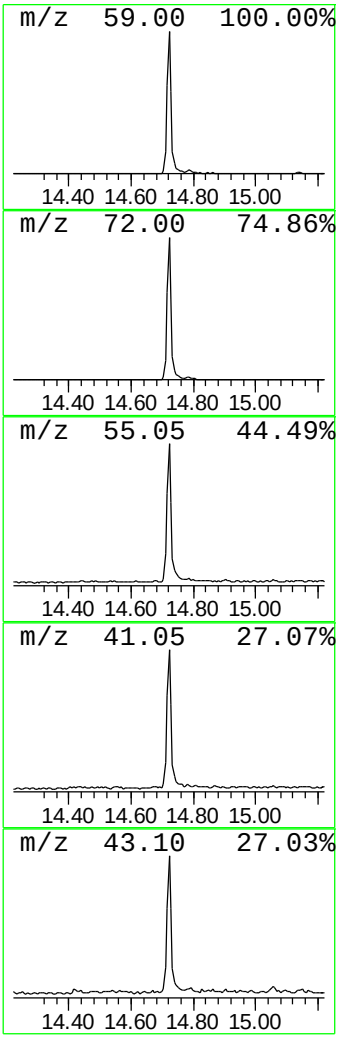
**********

Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.72 | 21.68 ng | 488111 | Chrysene-d12 | 13.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 43 |
| 3 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 43 |
| 4 | 2,11-Dimethyl-2,11-dodecanediol | 230 | C14H30O2 | 022092-59-7 | 32 |
| 5 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 27 |



Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_F
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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... | 5.00 | 9.2 | ng | 207503 | 1 | 6.79 | 452812 | 20.0 |
| unknown6.56 | 6.56 | 66.8 | ng | 1511340 | 1 | 6.79 | 452812 | 20.0 |
| Benzophenone | 10.54 | 2.2 | ng | 75419 | 3 | 9.82 | 681873 | 20.0 |
| Trichloroacetic a... | 13.79 | 2.9 | ng | 65431 | 5 | 13.98 | 450297 | 20.0 |
| 9-Octadecenamide,... | 14.72 | 21.7 | ng | 488111 | 5 | 13.98 | 450297 | 20.0 |