LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\
Data File : BF082131.D
Acq On : 8 Oct 2015 17:05
Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

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-BF092815.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 | 5.040 | 251 | 254 | 266 | rVB | 610167 | 803470 | 41.05% | 4.576% |
| 2 | 5.452 | 288 | 290 | 293 | rBV | 1177012 | 1482000 | 75.72% | 8.441% |
| 3 | 6.492 | 378 | 381 | 390 | rBV | 1502709 | 1570623 | 80.25% | 8.946% |
| 4 | 6.629 | 390 | 393 | 395 | rBV | 1800486 | 1754038 | 89.62% | 9.991% |
| 5 | 6.857 | 411 | 413 | 416 | rBV | 422262 | 443736 | 22.67% | 2.527% |
| 6 | 7.017 | 424 | 427 | 429 | rBV | 1530844 | 1366138 | 69.80% | 7.781% |
| 7 | 7.429 | 460 | 463 | 465 | rBV | 1038092 | 970284 | 49.57% | 5.526% |
| 8 | 8.149 | 523 | 526 | 528 | rBV | 678803 | 603764 | 30.85% | 3.439% |
| 9 | 9.098 | 606 | 609 | 611 | rBV | 18052 | 21252 | 1.09% | 0.121% |
| 10 | 9.223 | 618 | 620 | 623 | rBV | 1867886 | 1747216 | 89.27% | 9.952% |
| 11 | 9.623 | 653 | 655 | 657 | rBV | 262683 | 248525 | 12.70% | 1.416% |
| 12 | 9.898 | 677 | 679 | 682 | rBV | 539517 | 722287 | 36.90% | 4.114% |
| 13 | 10.698 | 746 | 749 | 751 | rBV | 1017747 | 1244340 | 63.58% | 7.087% |
| 14 | 10.801 | 757 | 758 | 765 | rVB | 43943 | 54725 | 2.80% | 0.312% |
| 15 | 11.246 | 795 | 797 | 799 | rBV | 29696 | 34357 | 1.76% | 0.196% |
| 16 | 11.395 | 807 | 810 | 812 | rBV | 485202 | 703976 | 35.97% | 4.010% |
| 17 | 11.681 | 833 | 835 | 837 | rBV | 19468 | 21039 | 1.07% | 0.120% |
| 18 | 11.921 | 854 | 856 | 858 | rBV | 17191 | 26449 | 1.35% | 0.151% |
| 19 | 12.972 | 946 | 948 | 951 | rBV | 1443436 | 1957235 | 100.00% | 11.148% |
| 20 | 13.864 | 1024 | 1026 | 1037 | rBV | 205441 | 272798 | 13.94% | 1.554% |
| 21 | 14.024 | 1038 | 1040 | 1043 | rBV | 490159 | 733006 | 37.45% | 4.175% |
| 22 | 14.492 | 1076 | 1081 | 1087 | rBV3 | 12387 | 31956 | 1.63% | 0.182% |
| 23 | 14.778 | 1104 | 1106 | 1110 | rBV | 86996 | 104157 | 5.32% | 0.593% |
| 24 | 15.475 | 1164 | 1167 | 1176 | rBV | 401020 | 608049 | 31.07% | 3.463% |
| 25 | 15.967 | 1207 | 1210 | 1214 | rBV | 11819 | 31557 | 1.61% | 0.180% |

Sum of corrected areas: 17556977

LSC Report - Integrated Chromatogram

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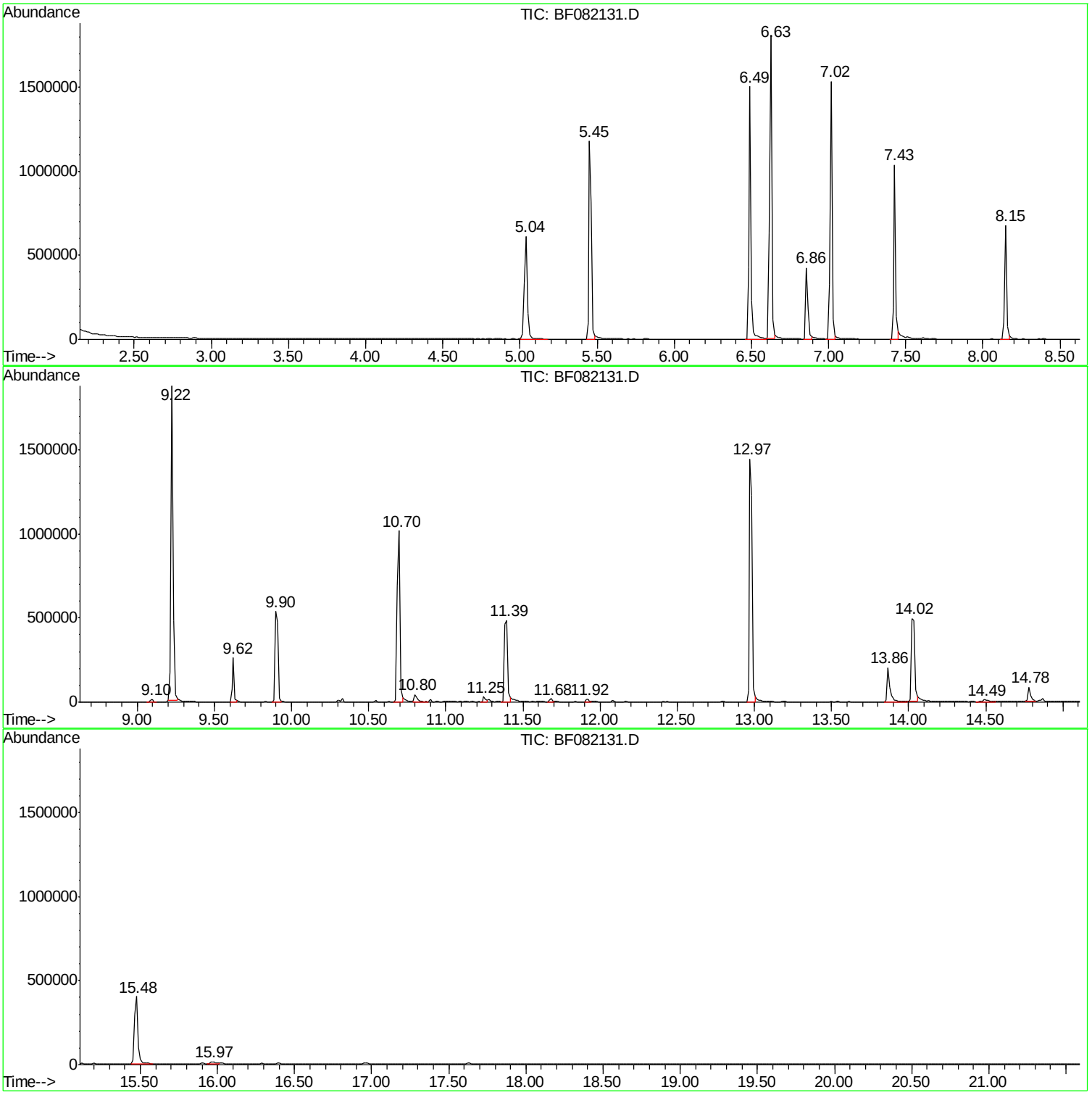
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\
Data File : BF082131.D
Acq On : 8 Oct 2015 17:05
Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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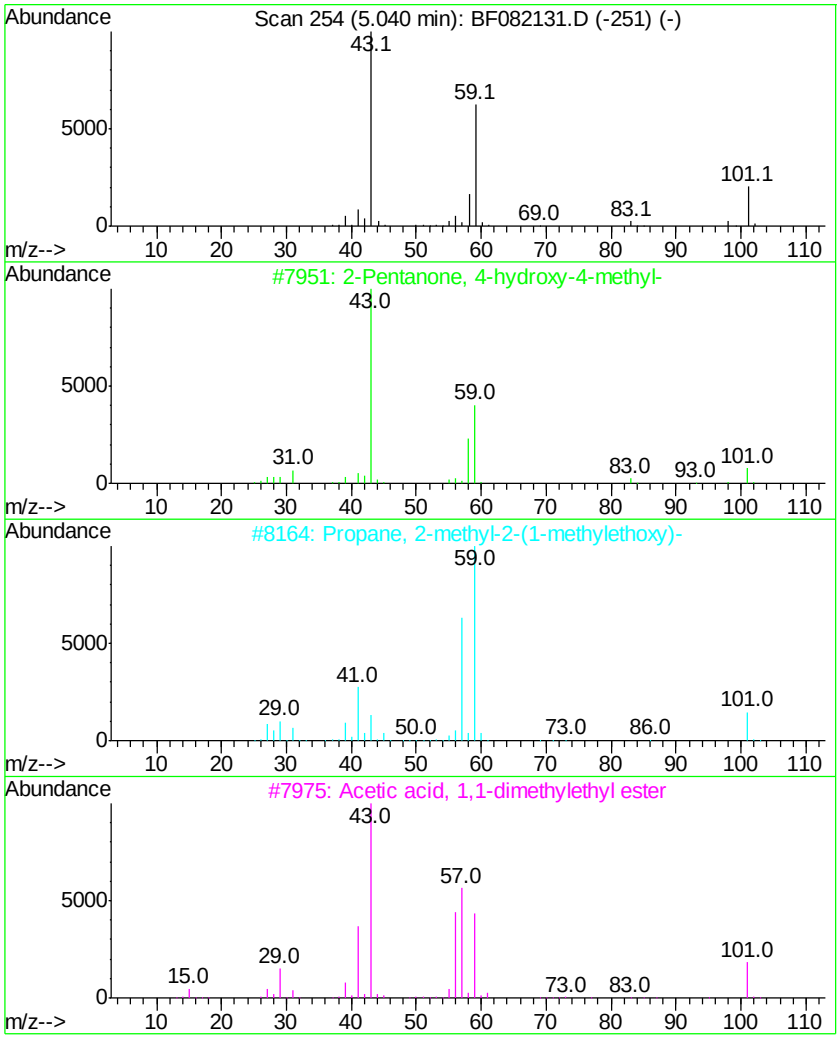
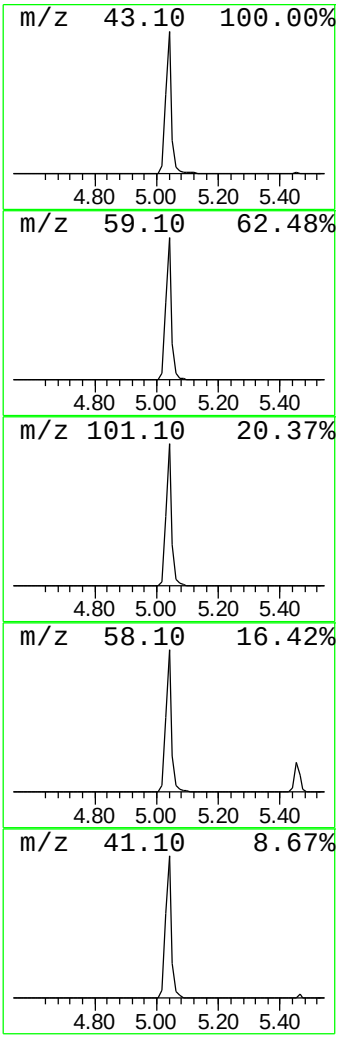
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.04 | 36.21 ng | 803470 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 42 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 28 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |



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Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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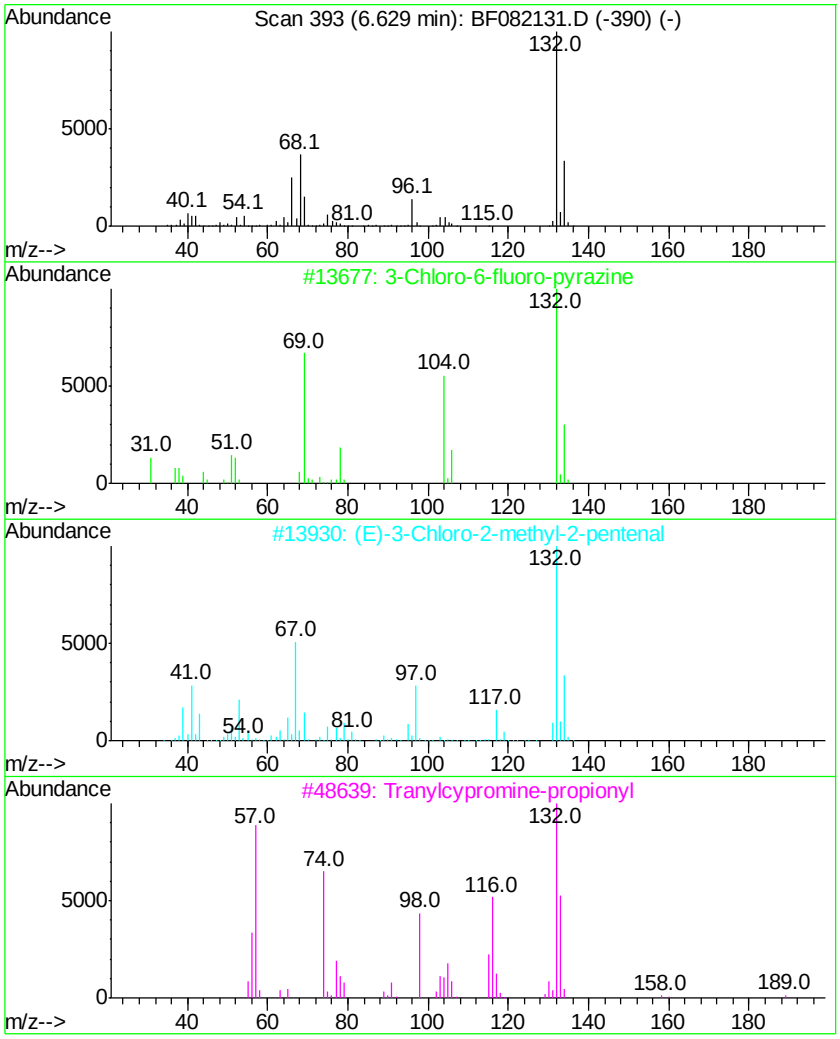
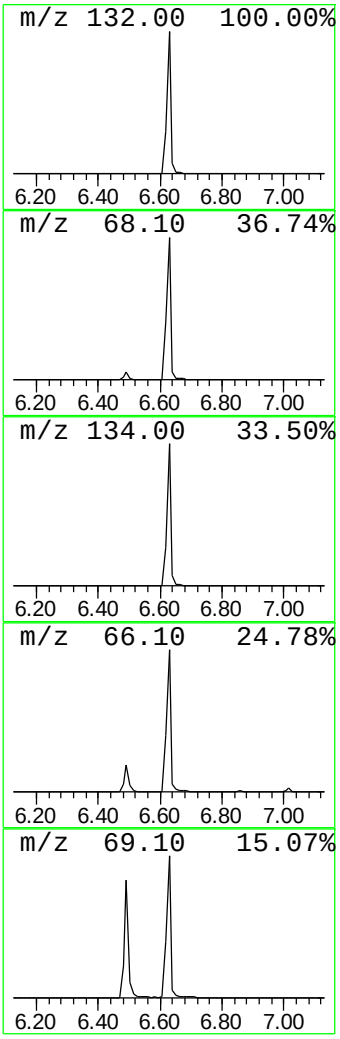
Peak Number 2 unknown6.63 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.63 | 79.06 ng | 1754040 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\
Data File : BF082131.D
Acq On : 8 Oct 2015 17:05
Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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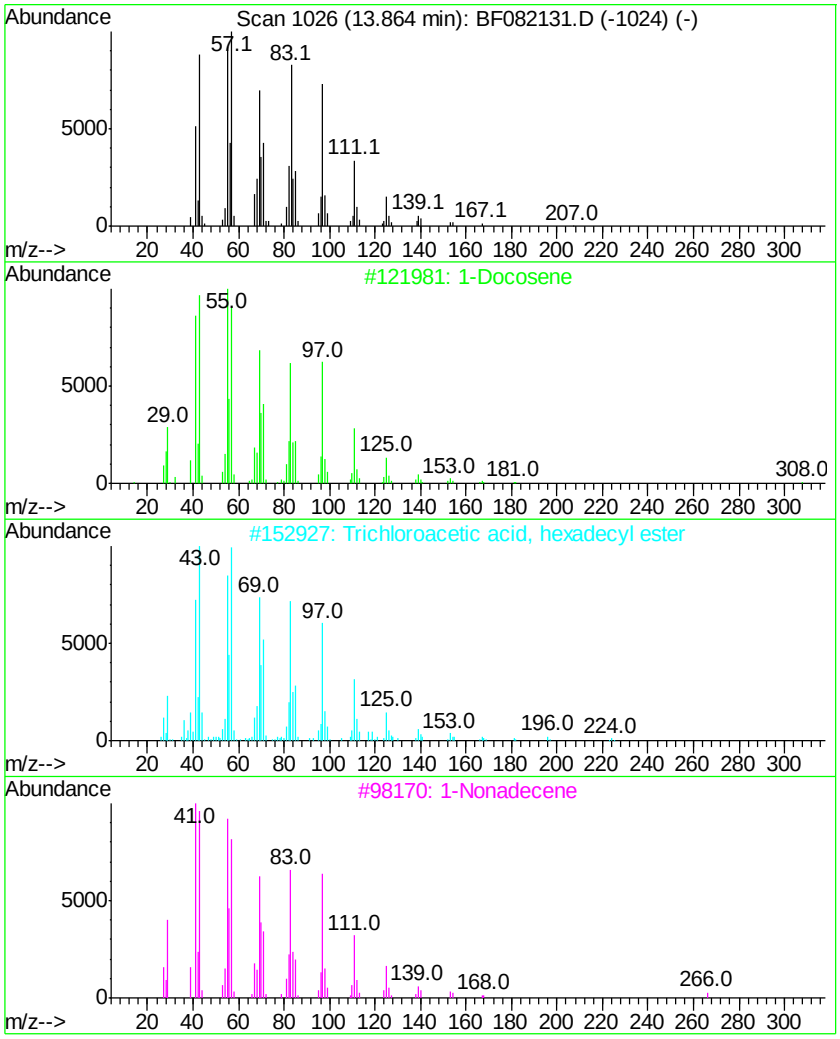
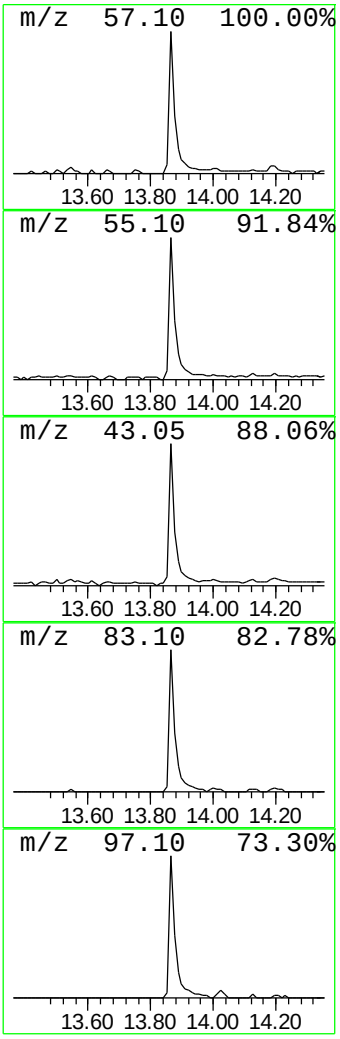
Peak Number 4 1-Docosene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 7.44 ng | 272798 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 5 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |



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Data File : BF082131.D
Acq On : 8 Oct 2015 17:05
Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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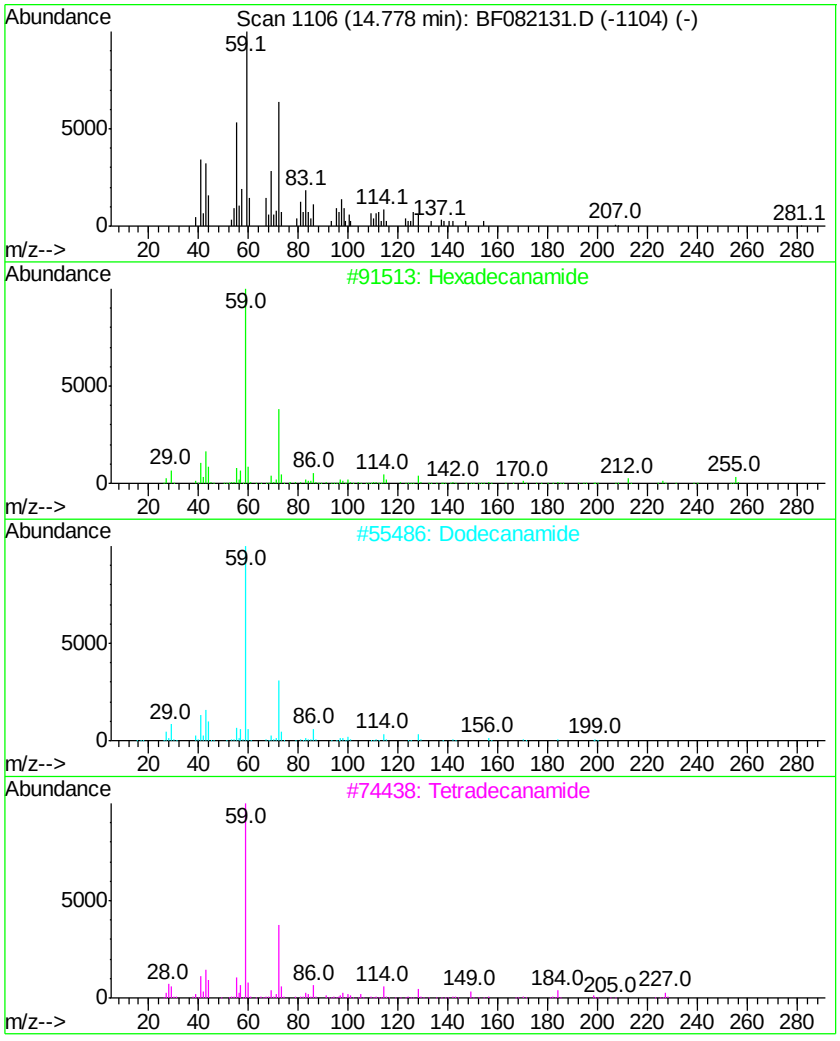
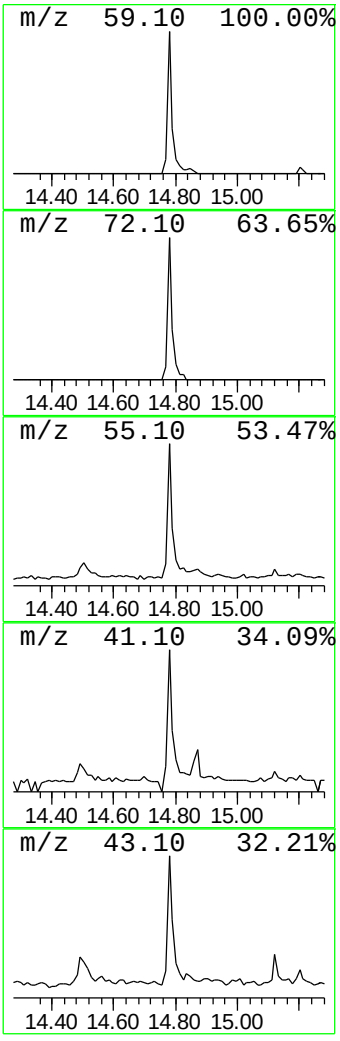
Peak Number 5 Hexadecanamide Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.78 | 3.43 ng | 104157 | Perylene-d12 | 15.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 64 |
| 2 | Dodecanamide | 199 | C12H25NO | 001120-16-7 | 59 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 53 |
| 4 | Acetic acid, cyanohydroxyimino-,... | 128 | C4H4N2O3 | 061295-92-9 | 46 |
| 5 | Octanamide | 143 | C8H17NO | 000629-01-6 | 45 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100815\
Data File : BF082131.D
Acq On : 8 Oct 2015 17:05
Operator : UM/IZ
Sample : G3945-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP215BR-20-21

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.04 | 36.2 | ng | 803470 | 1 | 6.86 | 443736 | 20.0 |
| unknown6.63 | 6.63 | 79.1 | ng | 1754040 | 1 | 6.86 | 443736 | 20.0 |
| 1-Docosene | 13.86 | 7.4 | ng | 272798 | 5 | 14.04 | 733006 | 20.0 |
| Hexadecanamide | 14.78 | 3.4 | ng | 104157 | 6 | 15.48 | 608049 | 20.0 |