LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

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-BF043015.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 | 1.495 | 24 | 27 | 30 | rVB | 5926213 | 8023013 | 100.00% | 22.168% |
| 2 | 1.633 | 36 | 39 | 49 | rVB | 207680 | 526731 | 6.57% | 1.455% |
| 3 | 1.758 | 49 | 50 | 53 | rVV | 770117 | 1043445 | 13.01% | 2.883% |
| 4 | 1.815 | 53 | 55 | 60 | rVV | 260674 | 457890 | 5.71% | 1.265% |
| 5 | 1.884 | 60 | 61 | 102 | rVB | 3397607 | 7688860 | 95.84% | 21.245% |
| 6 | 5.141 | 344 | 346 | 353 | rVB | 283727 | 329729 | 4.11% | 0.911% |
| 7 | 5.644 | 387 | 390 | 392 | rBV | 1355526 | 1662152 | 20.72% | 4.593% |
| 8 | 6.902 | 497 | 500 | 502 | rBV | 1472605 | 1783181 | 22.23% | 4.927% |
| 9 | 7.050 | 510 | 513 | 516 | rBV | 1964211 | 1793190 | 22.35% | 4.955% |
| 10 | 7.336 | 536 | 538 | 540 | rBV | 424823 | 425111 | 5.30% | 1.175% |
| 11 | 7.530 | 552 | 555 | 557 | rVB | 1092361 | 1287214 | 16.04% | 3.557% |
| 12 | 8.033 | 596 | 599 | 601 | rBV | 1030877 | 1104667 | 13.77% | 3.052% |
| 13 | 8.913 | 674 | 676 | 679 | rBV | 658978 | 614307 | 7.66% | 1.697% |
| 14 | 10.262 | 792 | 794 | 796 | rBV | 2182447 | 1894641 | 23.62% | 5.235% |
| 15 | 10.765 | 836 | 838 | 841 | rBV | 98077 | 88289 | 1.10% | 0.244% |
| 16 | 11.096 | 864 | 867 | 869 | rBV | 627694 | 676864 | 8.44% | 1.870% |
| 17 | 12.079 | 950 | 953 | 955 | rBV2 | 1028452 | 1399399 | 17.44% | 3.867% |
| 18 | 12.937 | 1026 | 1028 | 1030 | rBV2 | 642204 | 740380 | 9.23% | 2.046% |
| 19 | 14.445 | 1158 | 1160 | 1162 | rBV | 70506 | 99672 | 1.24% | 0.275% |
| 20 | 14.731 | 1182 | 1185 | 1188 | rBV2 | 76720 | 104099 | 1.30% | 0.288% |
| 21 | 14.937 | 1201 | 1203 | 1206 | rBV | 1725247 | 1971496 | 24.57% | 5.447% |
| 22 | 16.137 | 1306 | 1308 | 1317 | rVB | 274465 | 431060 | 5.37% | 1.191% |
| 23 | 16.274 | 1317 | 1320 | 1322 | rBV | 764203 | 912761 | 11.38% | 2.522% |
| 24 | 16.800 | 1364 | 1366 | 1371 | rBV3 | 68579 | 151638 | 1.89% | 0.419% |
| 25 | 18.148 | 1481 | 1484 | 1488 | rVB | 718286 | 981677 | 12.24% | 2.712% |

Sum of corrected areas: 36191466

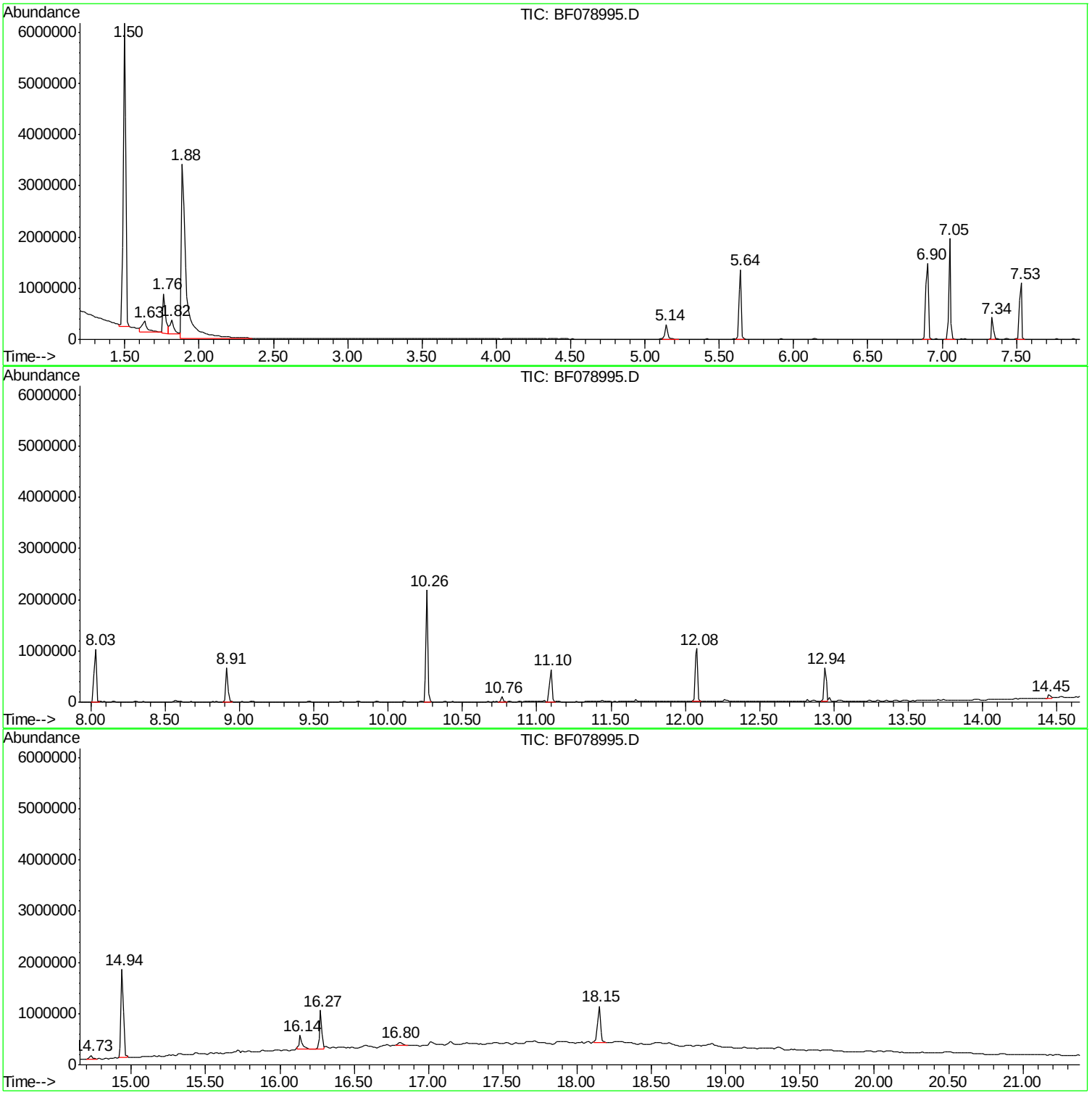
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

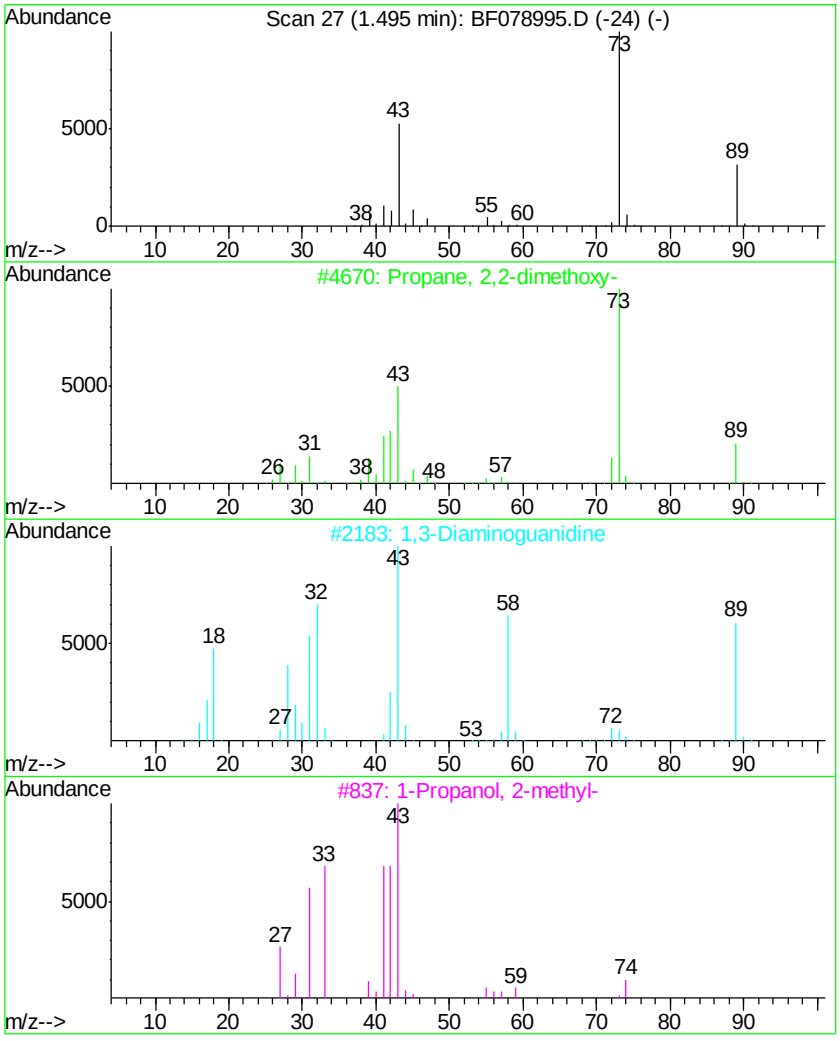
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

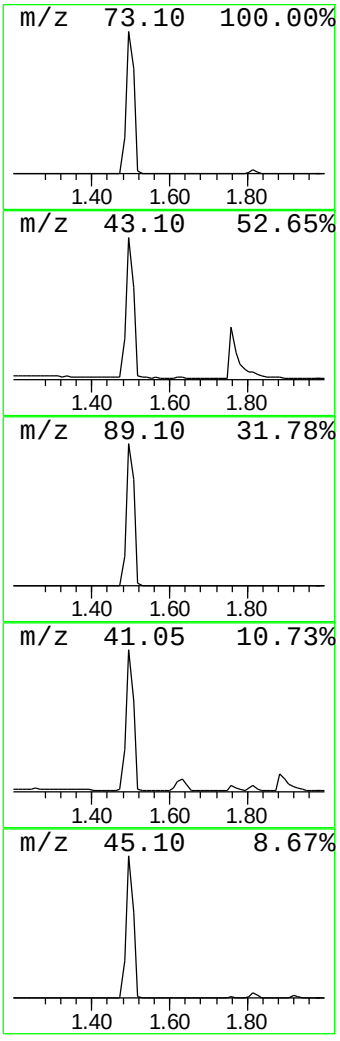
**********

Peak Number 1 unknown1.50 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.50 | 377.46 ng | 8023010 | 1,4-Dichlorobenzene-d4 | 7.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 38 |
| 2 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 3 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 4 | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 9 |
| 5 | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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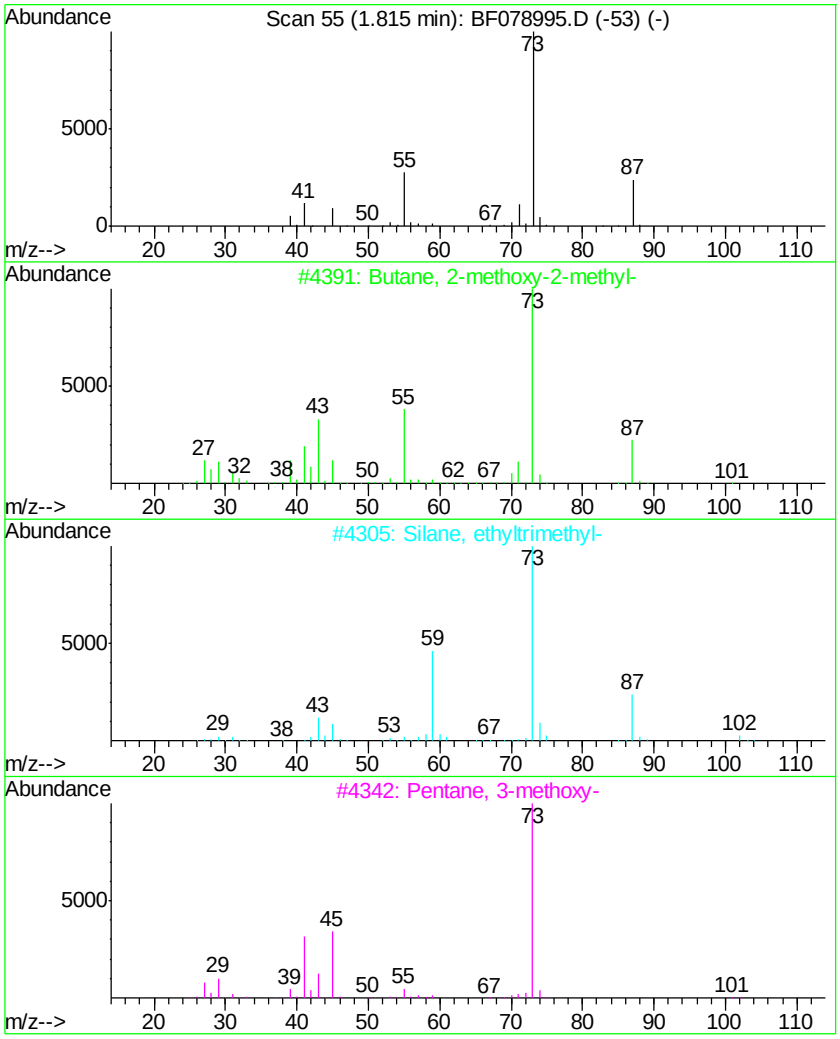
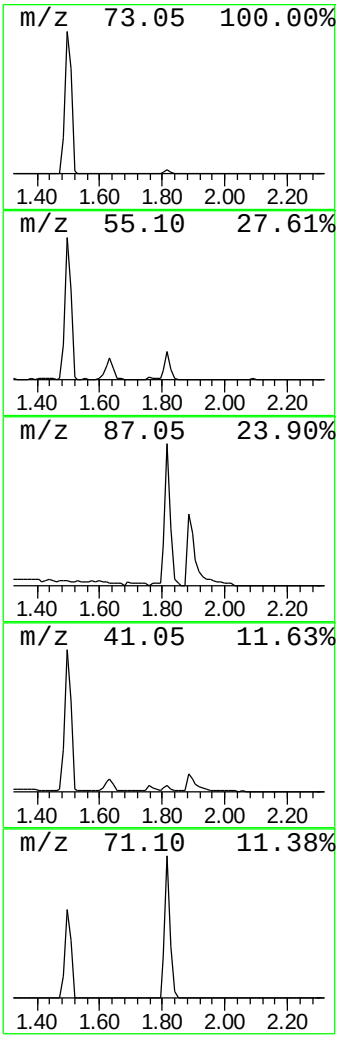
Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.82 | 21.54 ng | 457890 | 1,4-Dichlorobenzene-d4 | 7.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 9 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 7 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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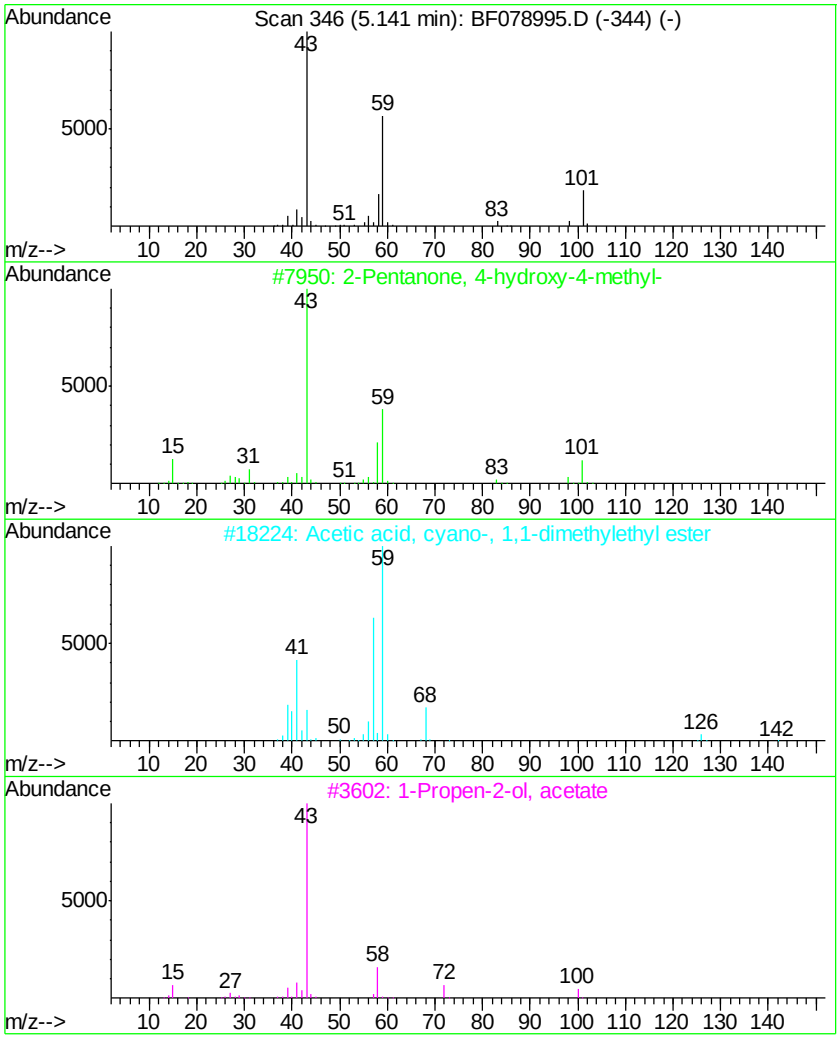
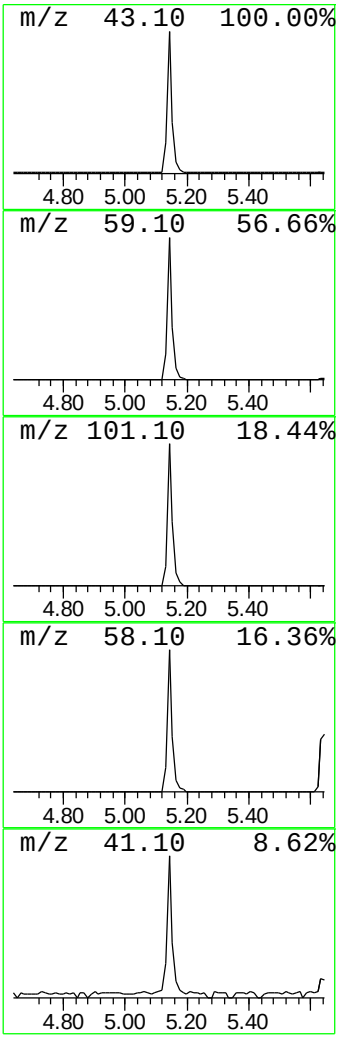
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.14 | 15.51 ng | 329729 | 1,4-Dichlorobenzene-d4 | 7.34 |

| 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 | 25 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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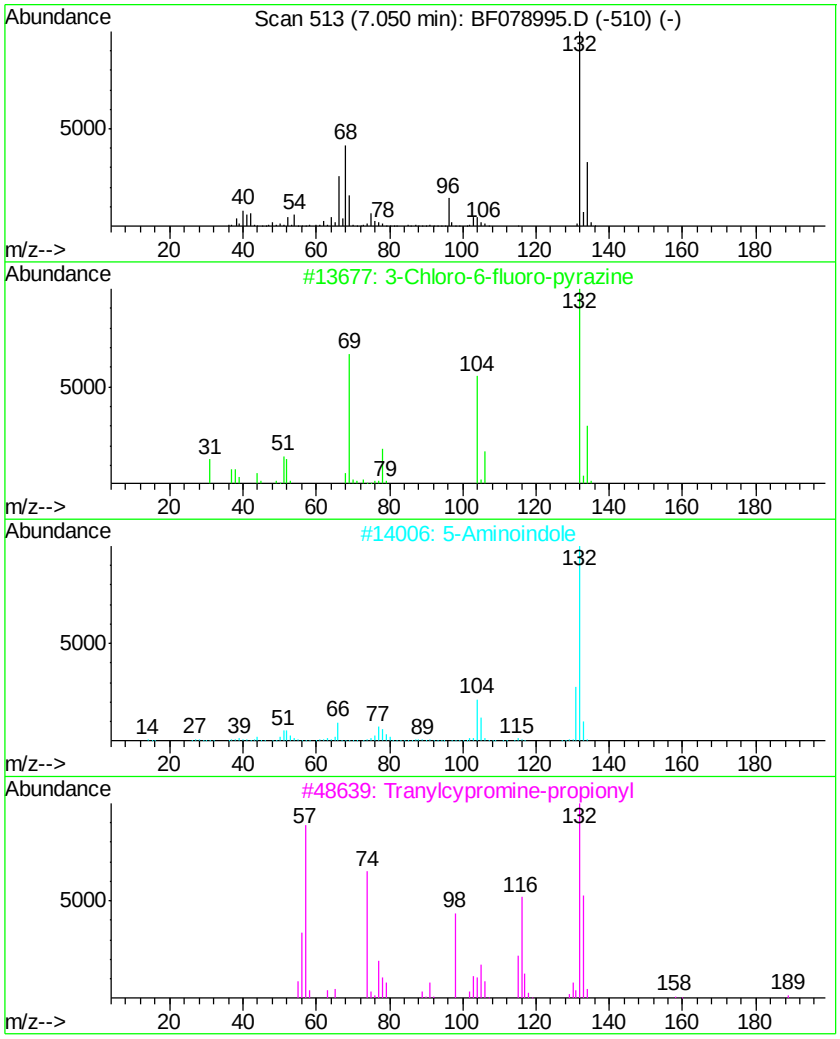
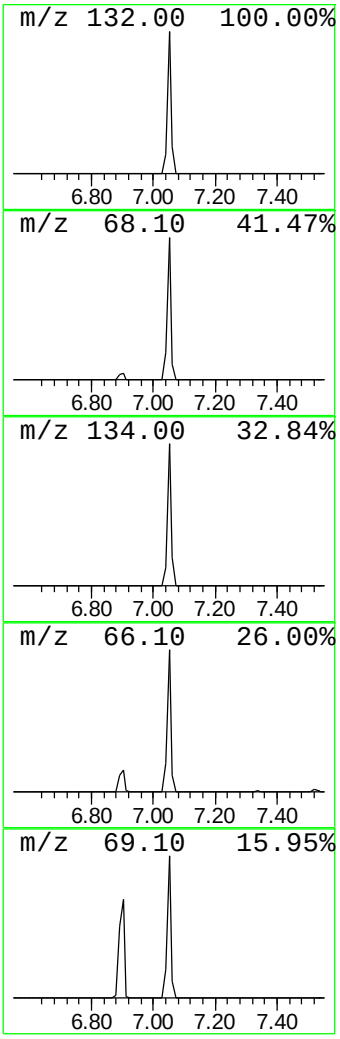
Peak Number 7 unknown7.05 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.05 | 84.36 ng | 1793190 | 1,4-Dichlorobenzene-d4 | 7.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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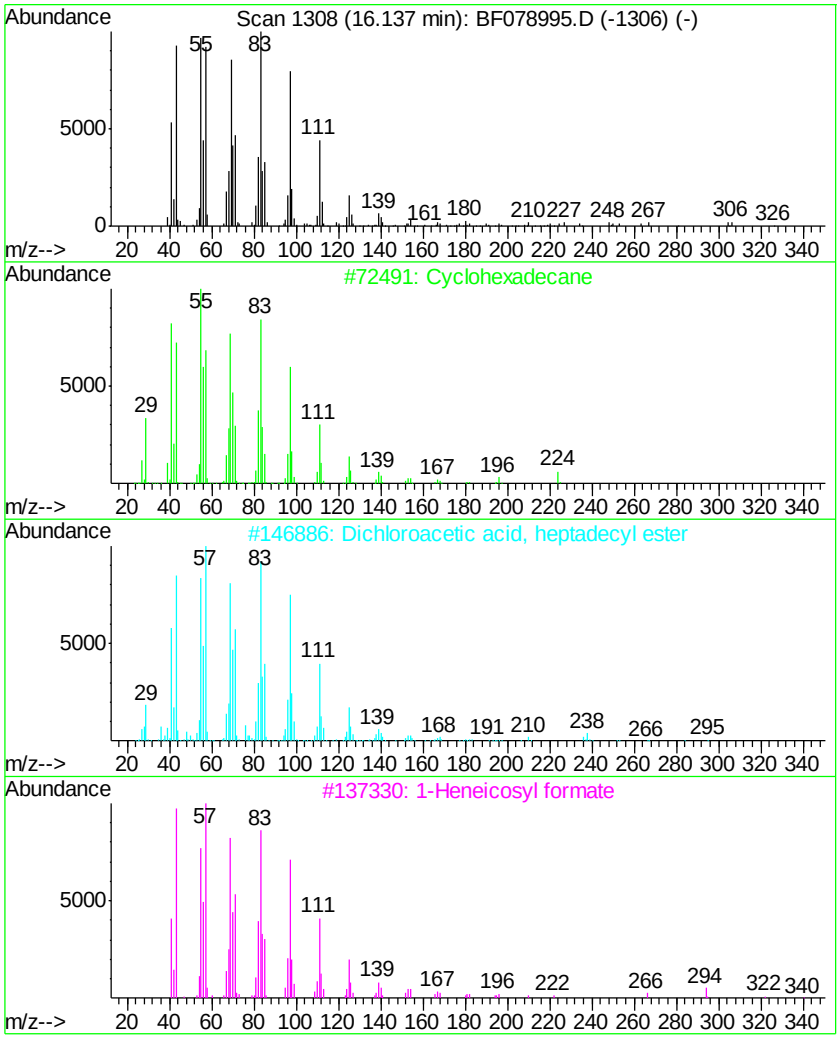
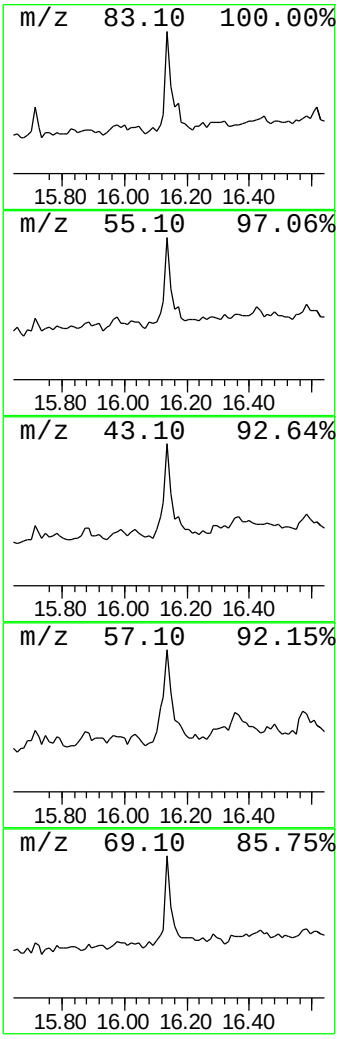
Peak Number 10 Cyclohexadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.14 | 9.45 ng | 431060 | Chrysene-d12 | 16.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 94 |
| 2 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94 |
| 3 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 93 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

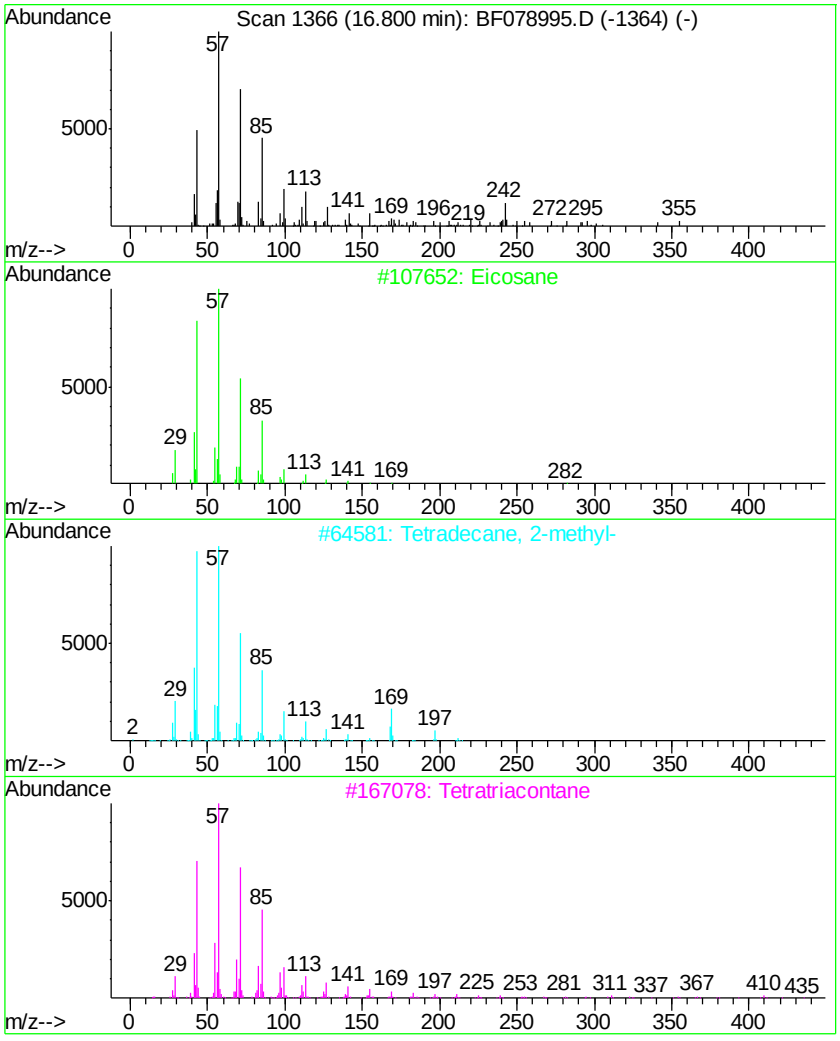
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

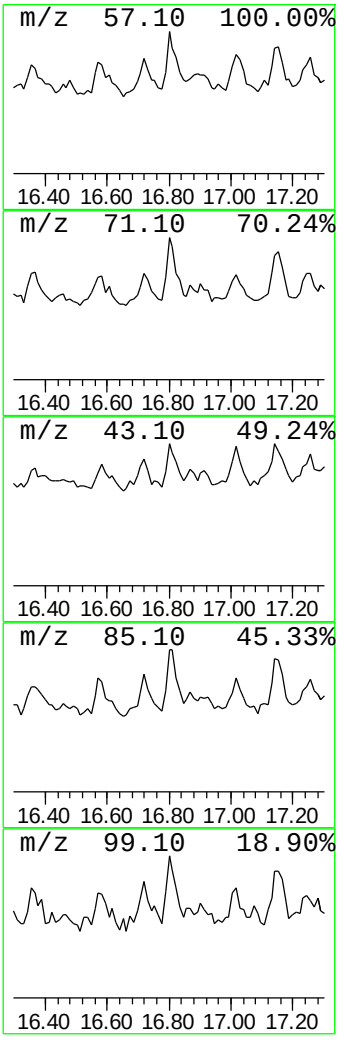
**********

Peak Number 11 Eicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.80 | 3.32 ng | 151638 | Chrysene-d12 | 16.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Tetradecane, 2-methyl- | 212 | C15H32 | 001560-95-8 | 90 |
| 3 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 80 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
Data File : BF078995.D
Acq On : 7 May 2015 14:53
Operator : TP/IZ
Sample : G2035-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3-D2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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 |
| unknown1.50 | 1.50 | 377.5 | ng | 8023010 | 1 | 7.34 | 425111 | 20.0 |
| Butane, 2-methoxy... | 1.82 | 21.5 | ng | 457890 | 1 | 7.34 | 425111 | 20.0 |
| 2-Pentanone, 4-hy... | 5.14 | 15.5 | ng | 329729 | 1 | 7.34 | 425111 | 20.0 |
| unknown7.05 | 7.05 | 84.4 | ng | 1793190 | 1 | 7.34 | 425111 | 20.0 |
| Cyclohexadecane | 16.14 | 9.4 | ng | 431060 | 5 | 16.27 | 912761 | 20.0 |
| Eicosane | 16.80 | 3.3 | ng | 151638 | 5 | 16.27 | 912761 | 20.0 |