LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092515\
Data File : BF081801.D
Acq On : 25 Sep 2015 14:11
Operator : UM/IZ
Sample : G3708-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP201-36-38

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-BF092415.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 | 2.240 | 7 | 9 | 32 | rVB3 | 71188 | 207700 | 4.95% | 0.559% |
| 2 | 5.154 | 260 | 264 | 271 | rVB | 1135531 | 1824968 | 43.51% | 4.910% |
| 3 | 5.543 | 295 | 298 | 301 | rBV | 2534029 | 3634464 | 86.64% | 9.779% |
| 4 | 6.572 | 384 | 388 | 390 | rBV | 3381381 | 3822302 | 91.12% | 10.285% |
| 5 | 6.709 | 397 | 400 | 403 | rBV | 3111933 | 3514880 | 83.79% | 9.458% |
| 6 | 6.949 | 419 | 421 | 423 | rVB | 846584 | 818807 | 19.52% | 2.203% |
| 7 | 7.097 | 432 | 434 | 437 | rVB | 2172268 | 2479234 | 59.10% | 6.671% |
| 8 | 7.509 | 467 | 470 | 473 | rBV | 2129231 | 2121265 | 50.57% | 5.708% |
| 9 | 8.229 | 531 | 533 | 536 | rBV | 1199103 | 1060050 | 25.27% | 2.852% |
| 10 | 9.315 | 625 | 628 | 630 | rVB | 2934053 | 4123278 | 98.30% | 11.095% |
| 11 | 9.703 | 659 | 662 | 664 | rBV | 1265080 | 1039054 | 24.77% | 2.796% |
| 12 | 9.989 | 684 | 687 | 689 | rVB | 1547360 | 1322426 | 31.53% | 3.558% |
| 13 | 10.412 | 723 | 724 | 726 | rVB | 63466 | 46018 | 1.10% | 0.124% |
| 14 | 10.778 | 753 | 756 | 758 | rBV | 2601768 | 2489258 | 59.34% | 6.698% |
| 15 | 10.881 | 764 | 765 | 770 | rBV | 57360 | 90987 | 2.17% | 0.245% |
| 16 | 11.338 | 803 | 805 | 806 | rBV | 49290 | 55512 | 1.32% | 0.149% |
| 17 | 11.475 | 814 | 817 | 819 | rBV | 1588344 | 1363805 | 32.51% | 3.670% |
| 18 | 11.544 | 819 | 823 | 825 | rVB3 | 40403 | 57341 | 1.37% | 0.154% |
| 19 | 12.881 | 938 | 940 | 941 | rBV | 54556 | 53874 | 1.28% | 0.145% |
| 20 | 13.064 | 953 | 956 | 959 | rBV | 4259233 | 4194694 | 100.00% | 11.287% |
| 21 | 13.578 | 1000 | 1001 | 1003 | rBV | 31435 | 43893 | 1.05% | 0.118% |
| 22 | 13.944 | 1031 | 1033 | 1036 | rBV | 135516 | 192285 | 4.58% | 0.517% |
| 23 | 14.115 | 1044 | 1048 | 1050 | rBV | 1447271 | 1444116 | 34.43% | 3.886% |
| 24 | 14.584 | 1083 | 1089 | 1098 | rBV3 | 46005 | 146983 | 3.50% | 0.395% |
| 25 | 14.870 | 1112 | 1114 | 1119 | rBV2 | 22947 | 47968 | 1.14% | 0.129% |
| 26 | 15.578 | 1173 | 1176 | 1179 | rBV | 660669 | 969825 | 23.12% | 2.610% |

Sum of corrected areas: 37164987

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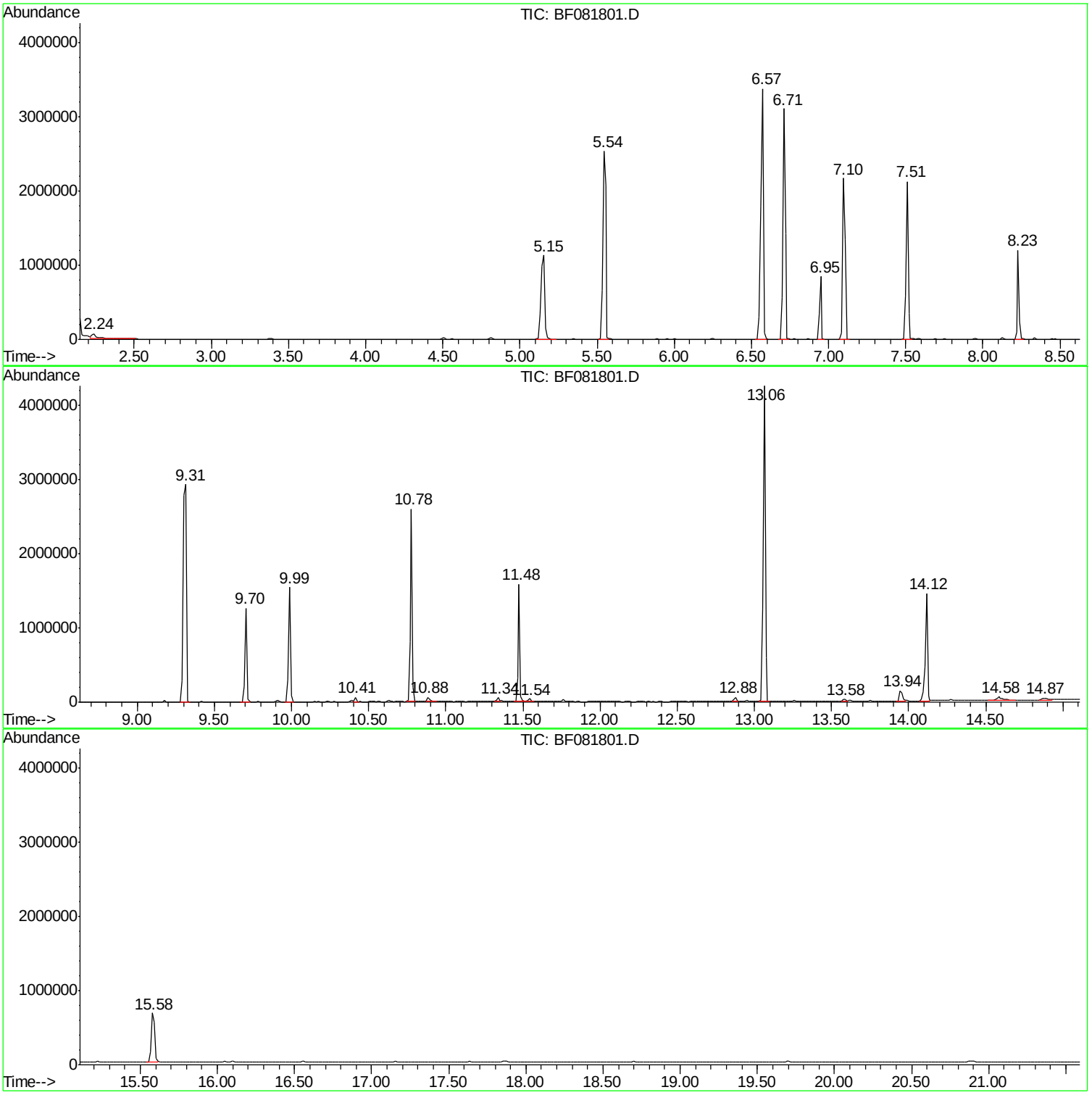
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MGP201-36-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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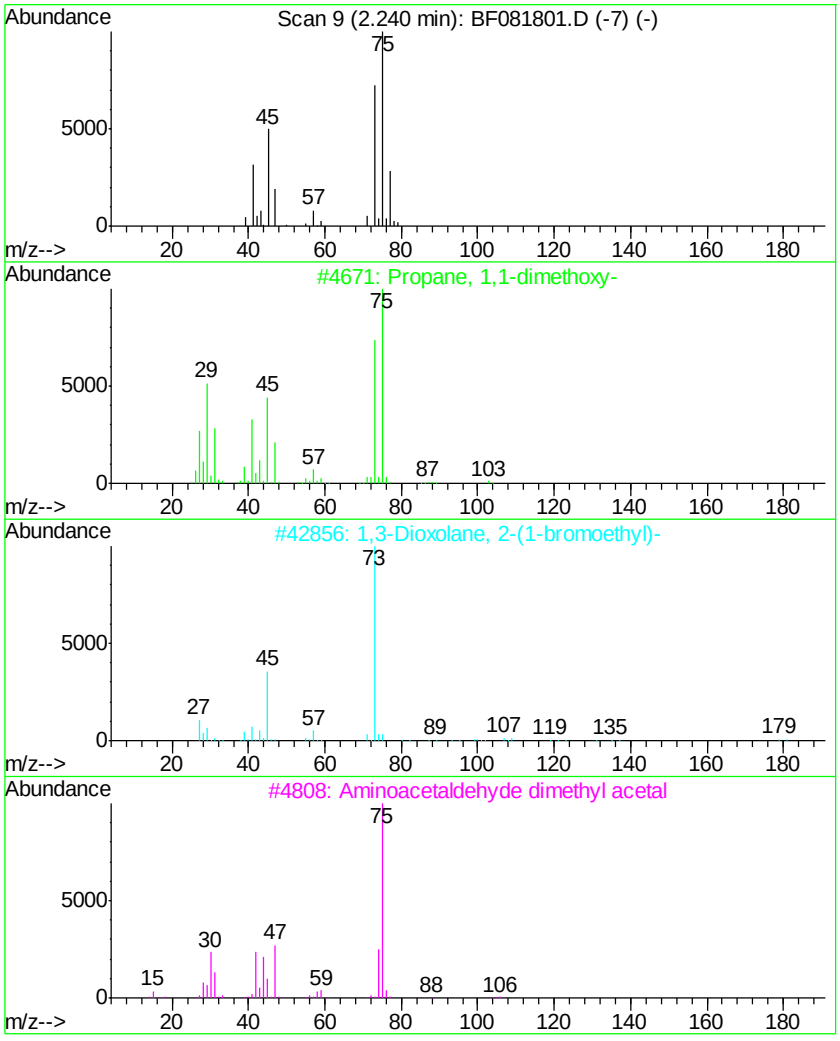
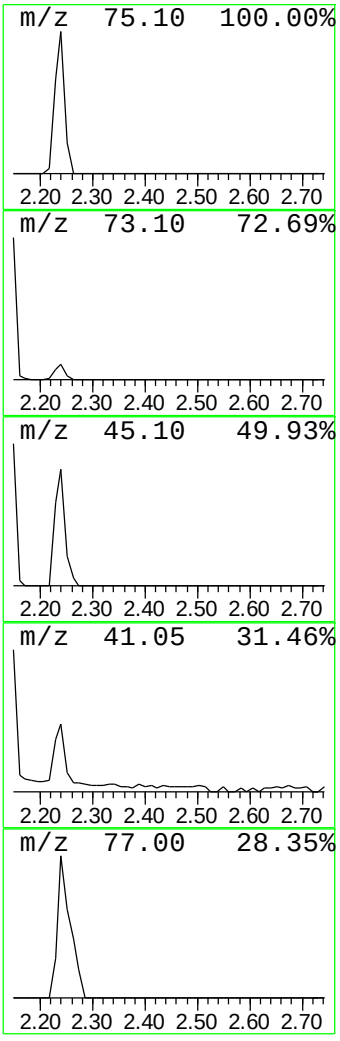
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.24 | 5.07 ng | 207700 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 72 |
| 2 | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 9 |
| 3 | Aminoacetaldehyde dimethyl acetal | 105 | C4H11NO2 | 022483-09-6 | 9 |
| 4 | Glycine | 75 | C2H5NO2 | 000056-40-6 | 7 |
| 5 | Formamide, N-methylthio | 75 | C2H5NS | 018952-41-5 | 5 |



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Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP201-36-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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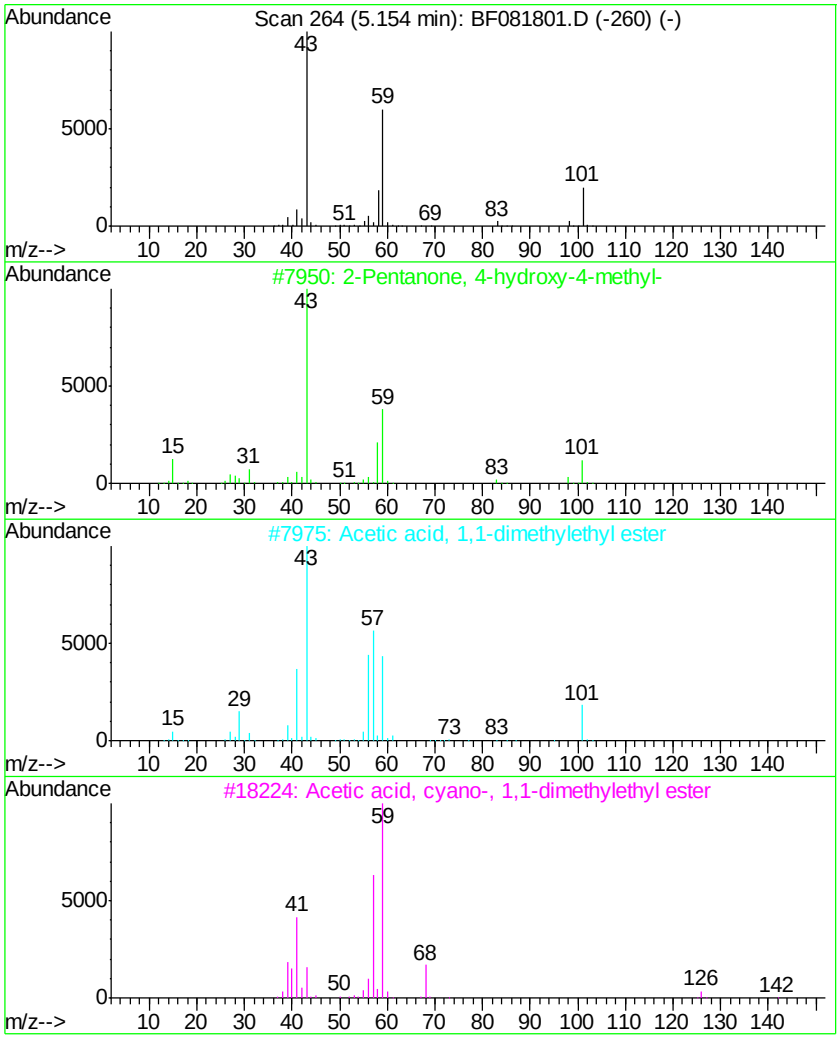
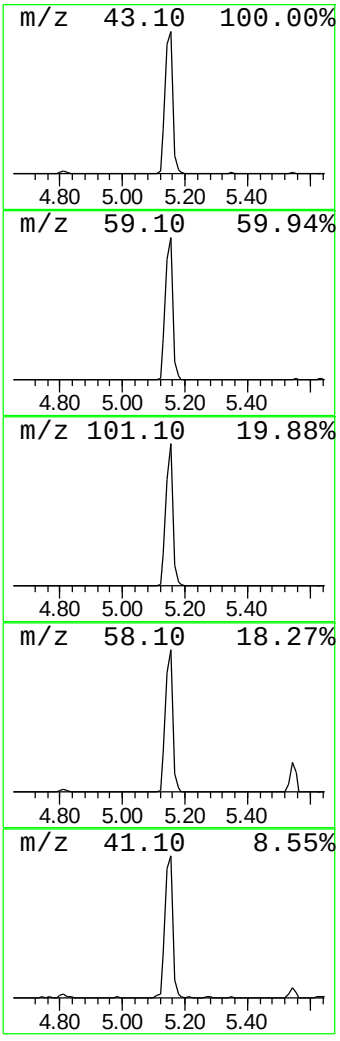
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.15 | 44.58 ng | 1824970 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |



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Operator : UM/IZ
Sample : G3708-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP201-36-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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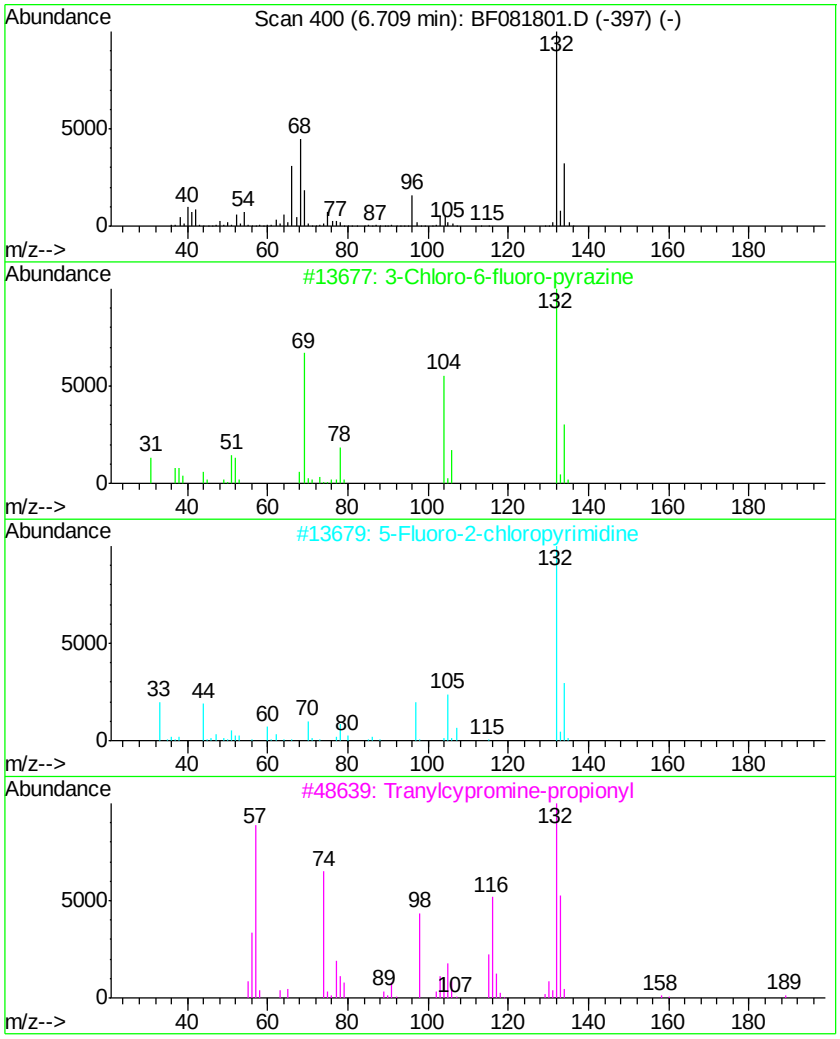
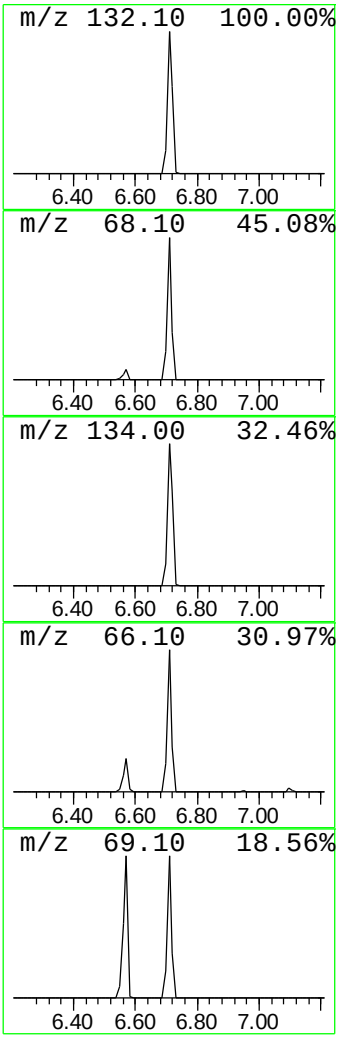
Peak Number 3 unknown6.71 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.71 | 85.85 ng | 3514880 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 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 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



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Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP201-36-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
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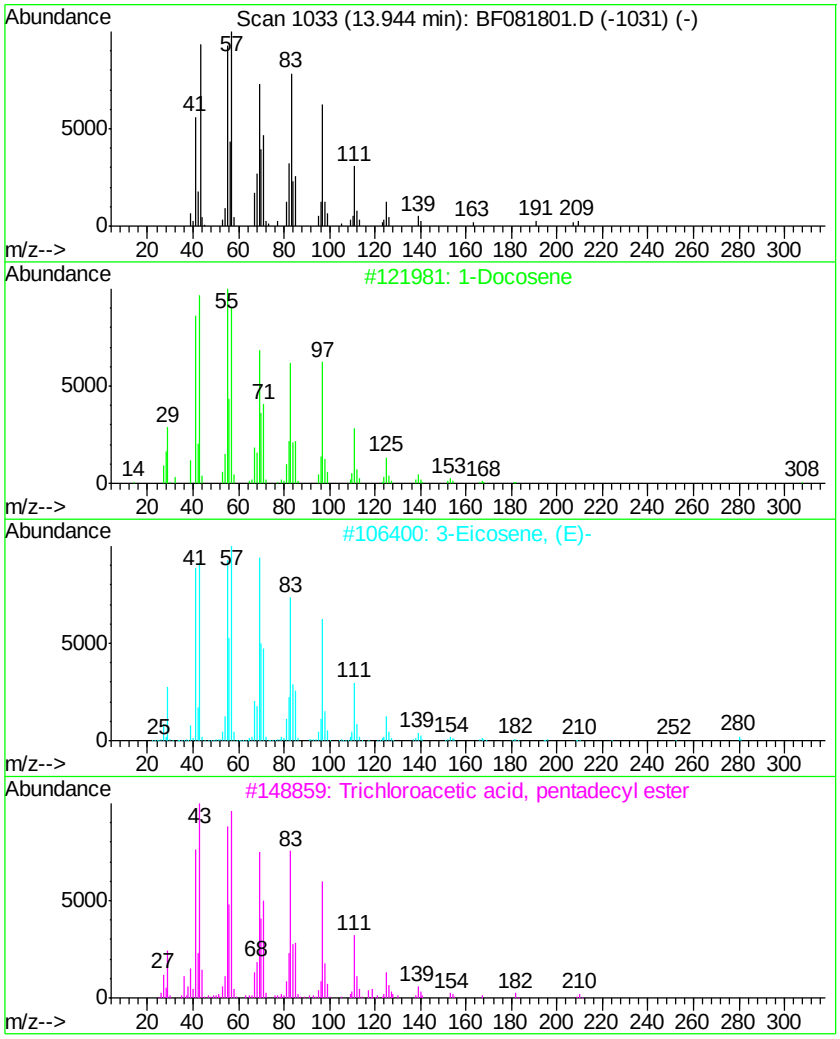
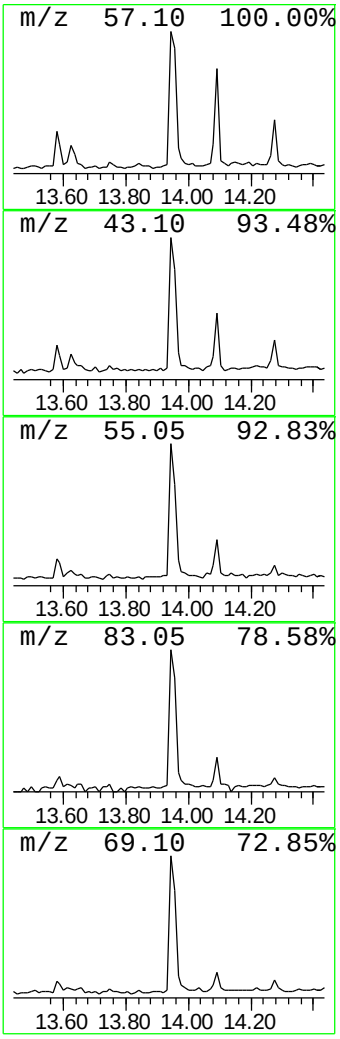
Peak Number 5 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.94 | 2.66 ng | 192285 | Chrysene-d12 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 95 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 95 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |



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Sample : G3708-09
Misc :
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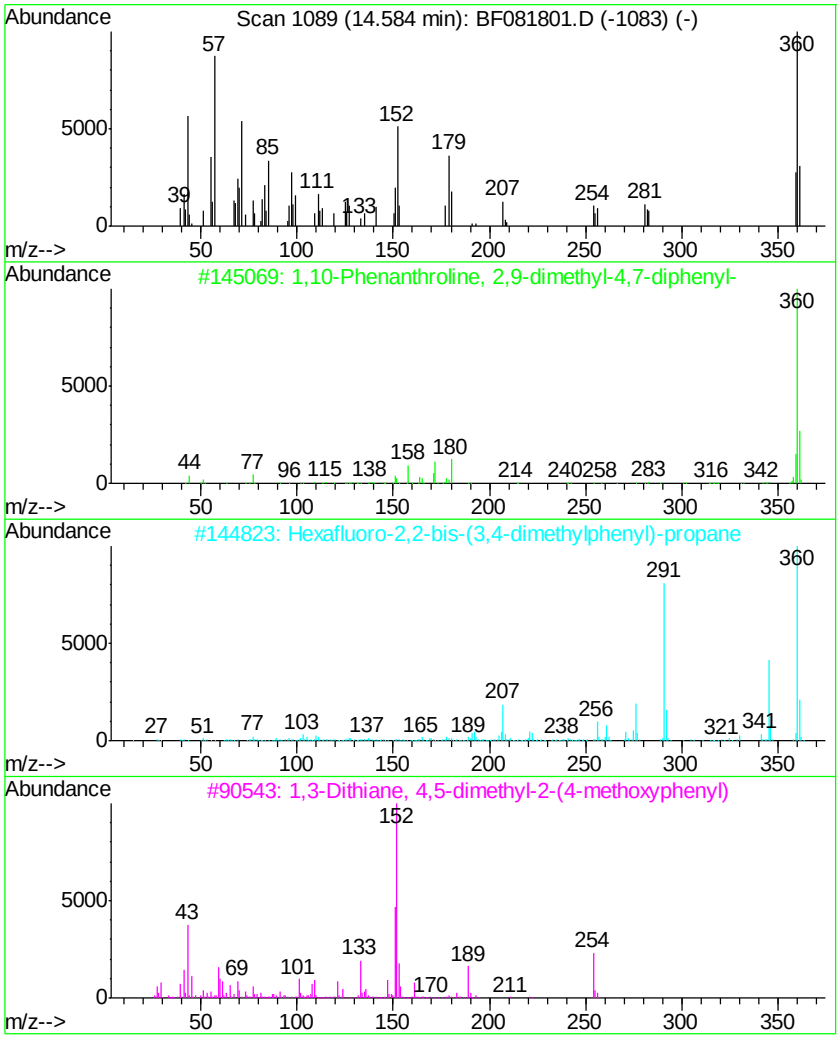
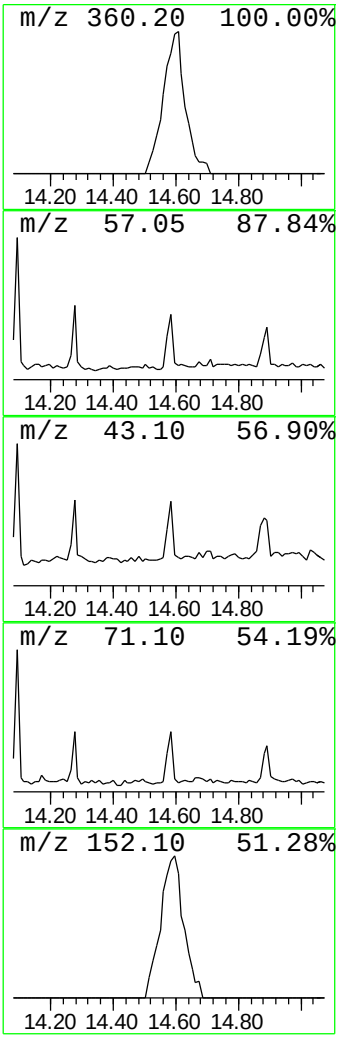
Peak Number 6 unknown14.58 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.58 | 2.04 ng | 146983 | Chrysene-d12 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2 | 004733-39-5 | 25 |
| 2 | Hexafluoro-2,2-bis-(3,4-dimethyl... | 360 | C19H18F6 | 065294-20-4 | 12 |
| 3 | 1,3-Dithiane, 4,5-dimethyl-2-(4-... | 254 | C13H18OS2 | 1000197-88-6 | 10 |
| 4 | 2H-Pyrrol-2-one, 1,5-dihydro-4-(... | 152 | C8H12N2O | 105776-93-0 | 10 |
| 5 | (Octahydroquinolizin-1-yl)methyl... | 294 | C17H30N2O2 | 307331-33-5 | 10 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane, 1,1-dime... | 2.24 | 5.1 | ng | 207700 | 1 | 6.95 | 818807 | 20.0 |
| 2-Pentanone, 4-hy... | 5.15 | 44.6 | ng | 1824970 | 1 | 6.95 | 818807 | 20.0 |
| unknown6.71 | 6.71 | 85.8 | ng | 3514880 | 1 | 6.95 | 818807 | 20.0 |
| 1-Docosene | 13.94 | 2.7 | ng | 192285 | 5 | 14.12 | 1444120 | 20.0 |
| unknown14.58 | 14.58 | 2.0 | ng | 146983 | 5 | 14.12 | 1444120 | 20.0 |