# LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084407.D
Acq On : 12 Jan 2016 4:36
Operator : SJ/UM
Sample : H1067-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 207TH-ST-FIELDBLANK1-1-5-16

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-BF123115.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 | 5.036 | 255 | 258 | 265 | rVB | 988652 | 1229796 | 11.71% | 1.489% |
| 2 | 5.458 | 293 | 295 | 298 | rBV | 4528332 | 5420239 | 51.60% | 6.562% |
| 3 | 6.499 | 383 | 386 | 388 | rBV | 3035054 | 3698576 | 35.21% | 4.478% |
| 4 | 6.624 | 394 | 397 | 400 | rBV | 8542685 | 8268061 | 78.71% | 10.010% |
| 5 | 6.853 | 414 | 417 | 419 | rBV | 3085544 | 2548359 | 24.26% | 3.085% |
| 6 | 7.013 | 428 | 431 | 433 | rVB | 9041998 | 8547025 | 81.37% | 10.347% |
| 7 | 7.424 | 463 | 467 | 469 | rBV | 6909172 | 7602374 | 72.37% | 9.204% |
| 8 | 8.144 | 527 | 530 | 532 | rVB | 2759156 | 3213726 | 30.59% | 3.891% |
| 9 | 9.219 | 621 | 624 | 627 | rBV | 10330085 | 10504400 | 100.00% | 12.717% |
| 10 | 9.893 | 681 | 683 | 686 | rBV | 3839386 | 3364803 | 32.03% | 4.074% |
| 11 | 10.682 | 749 | 752 | 755 | rBV | 5482790 | 6315046 | 60.12% | 7.645% |
| 12 | 11.379 | 810 | 813 | 815 | rBV | 3374573 | 3081954 | 29.34% | 3.731% |
| 13 | 11.585 | 829 | 831 | 834 | rBV | 2140125 | 2512945 | 23.92% | 3.042% |
| 14 | 12.739 | 930 | 932 | 935 | rBV | 1752882 | 2033199 | 19.36% | 2.461% |
| 15 | 12.968 | 949 | 952 | 954 | rBV | 8702087 | 8906137 | 84.78% | 10.782% |
| 16 | 13.745 | 1018 | 1020 | 1028 | rBV2 | 582253 | 885771 | 8.43% | 1.072% |
| 17 | 14.008 | 1041 | 1043 | 1046 | rBV | 1884833 | 2069206 | 19.70% | 2.505% |
| 18 | 14.637 | 1095 | 1098 | 1104 | rBV | 270210 | 415834 | 3.96% | 0.503% |
| 19 | 15.437 | 1165 | 1168 | 1171 | rBV | 1327624 | 1823096 | 17.36% | 2.207% |
| 20 | 15.597 | 1180 | 1182 | 1191 | rBV | 67113 | 160950 | 1.53% | 0.195% |

Sum of corrected areas: 82601497

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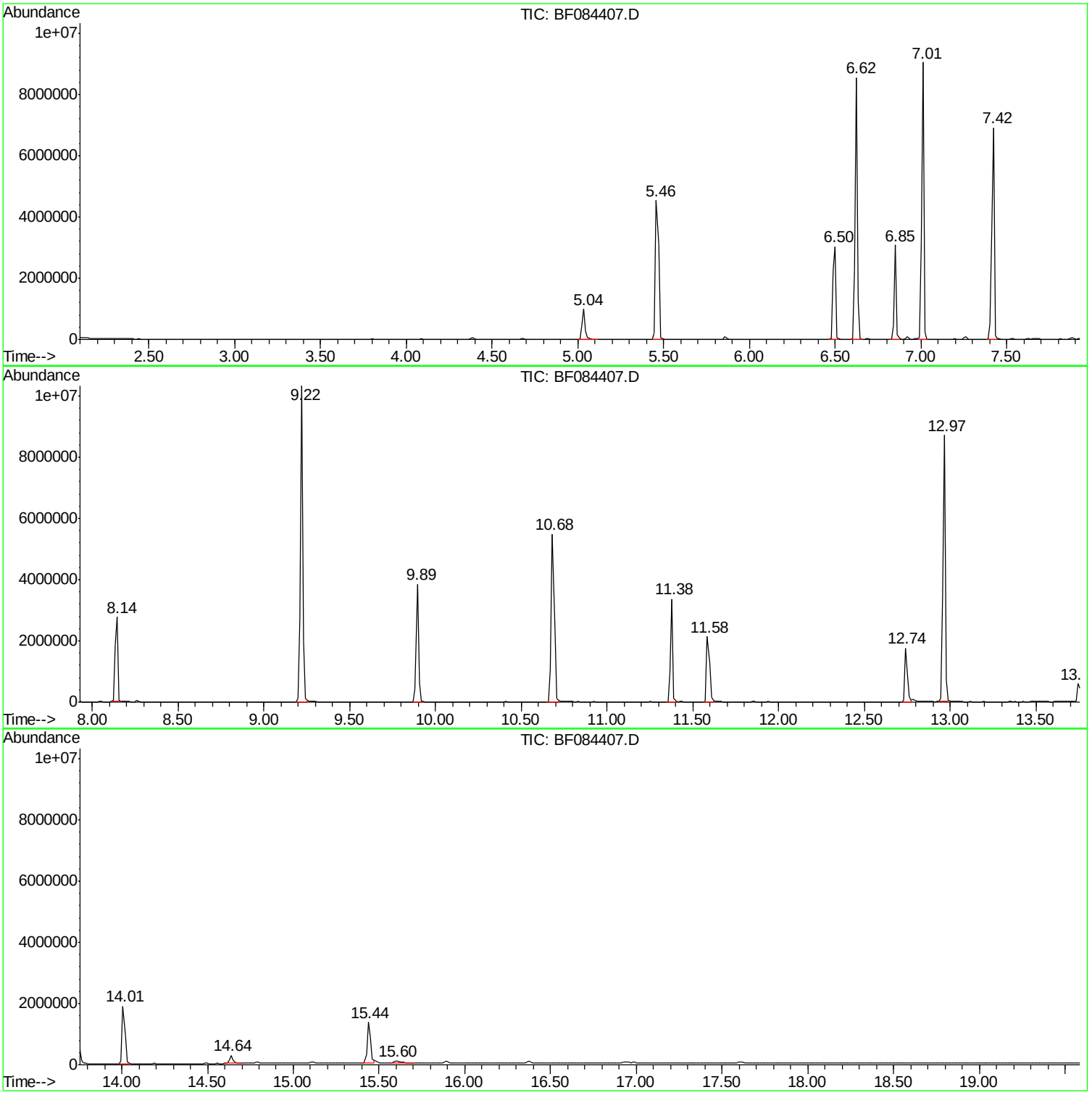
**Instrument :**
BNA_F
**ClientSampleId :**
207TH-ST-FIELDBLANK1-1-5-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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

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Data File : BF084407.D
Acq On : 12 Jan 2016 4:36
Operator : SJ/UM
Sample : H1067-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
207TH-ST-FIELDBLANK1-1-5-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

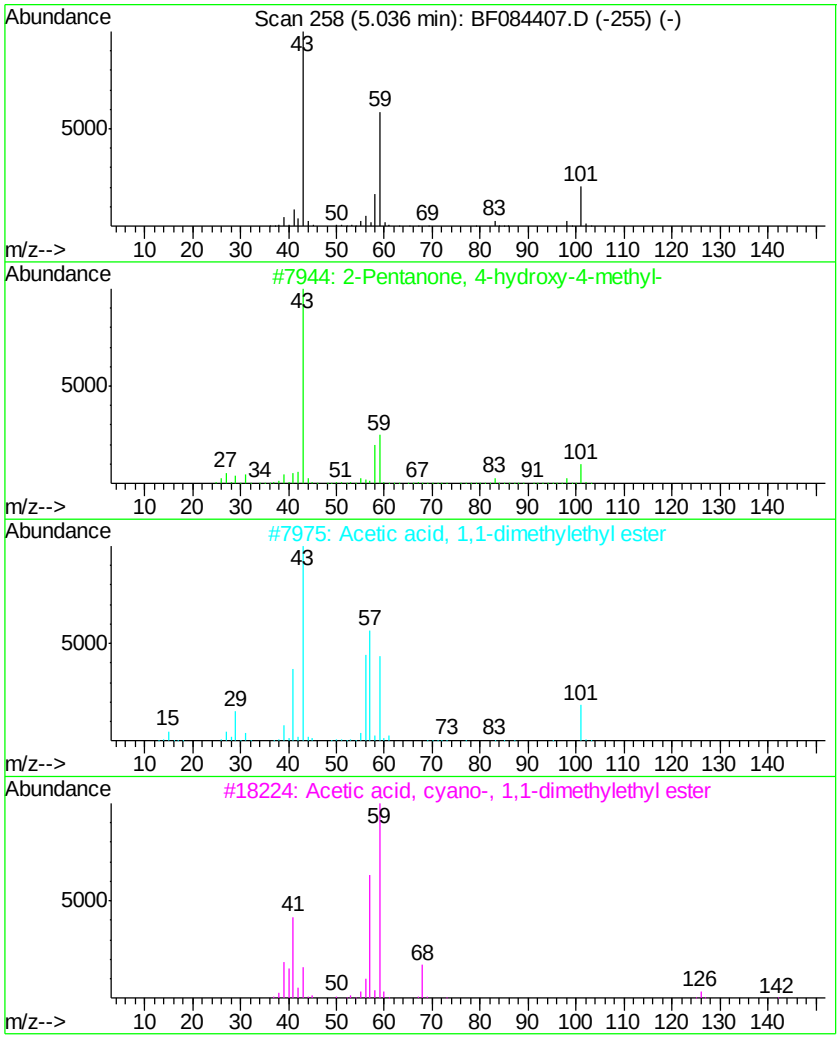
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

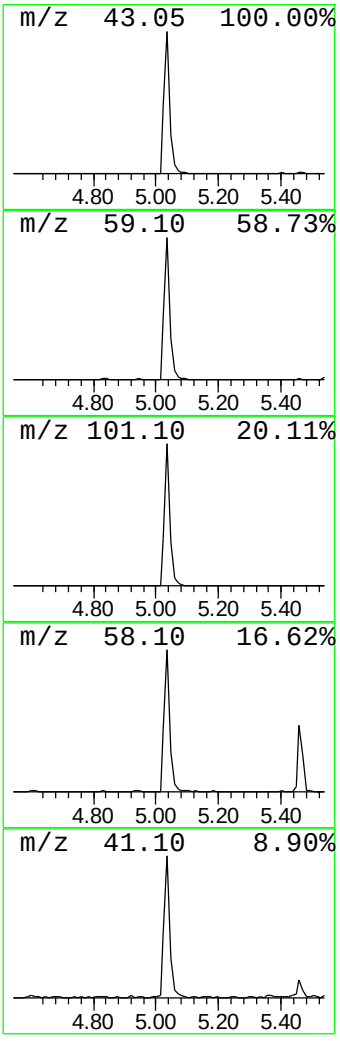
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.04 | 9.65 ng | 1229800 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 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 | 17 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



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ALS Vial : 34 Sample Multiplier: 1

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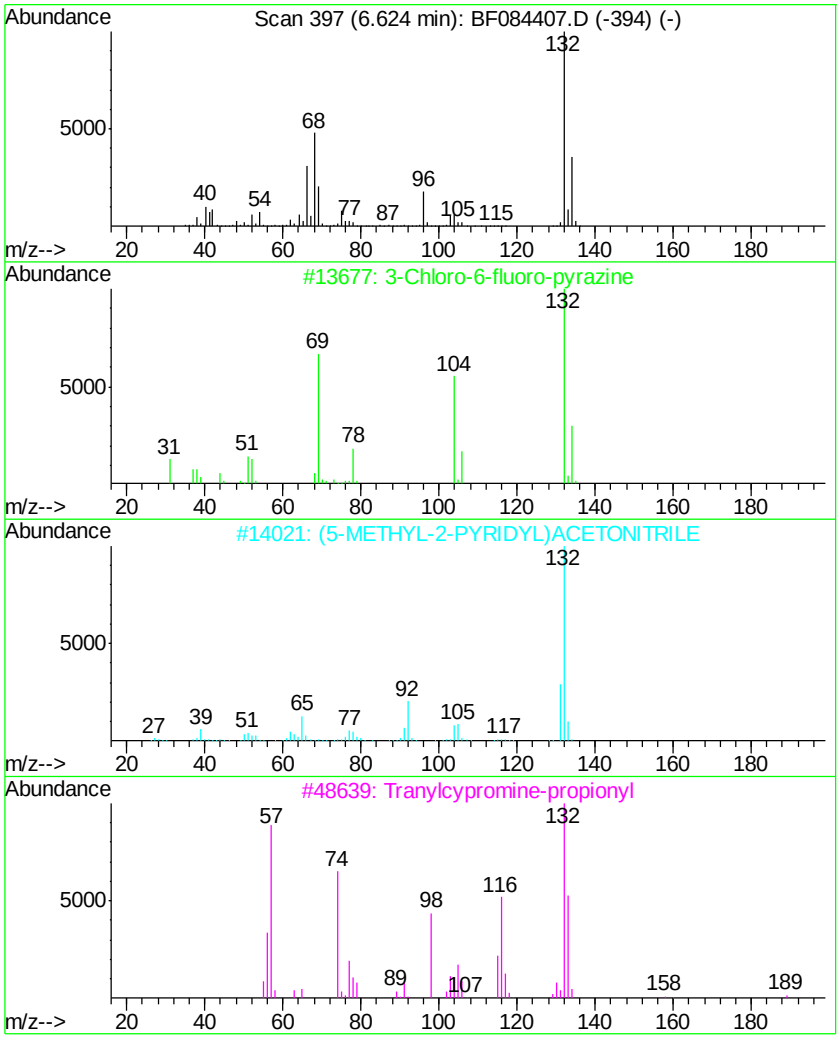
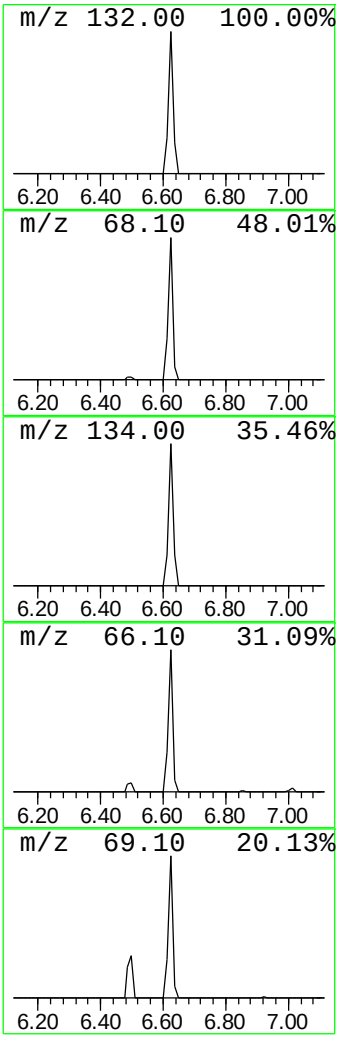
Peak Number 2 unknown6.62 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 64.89 ng | 8268060 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 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-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



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Sample : H1067-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Integration Parameters: LSCINT.P

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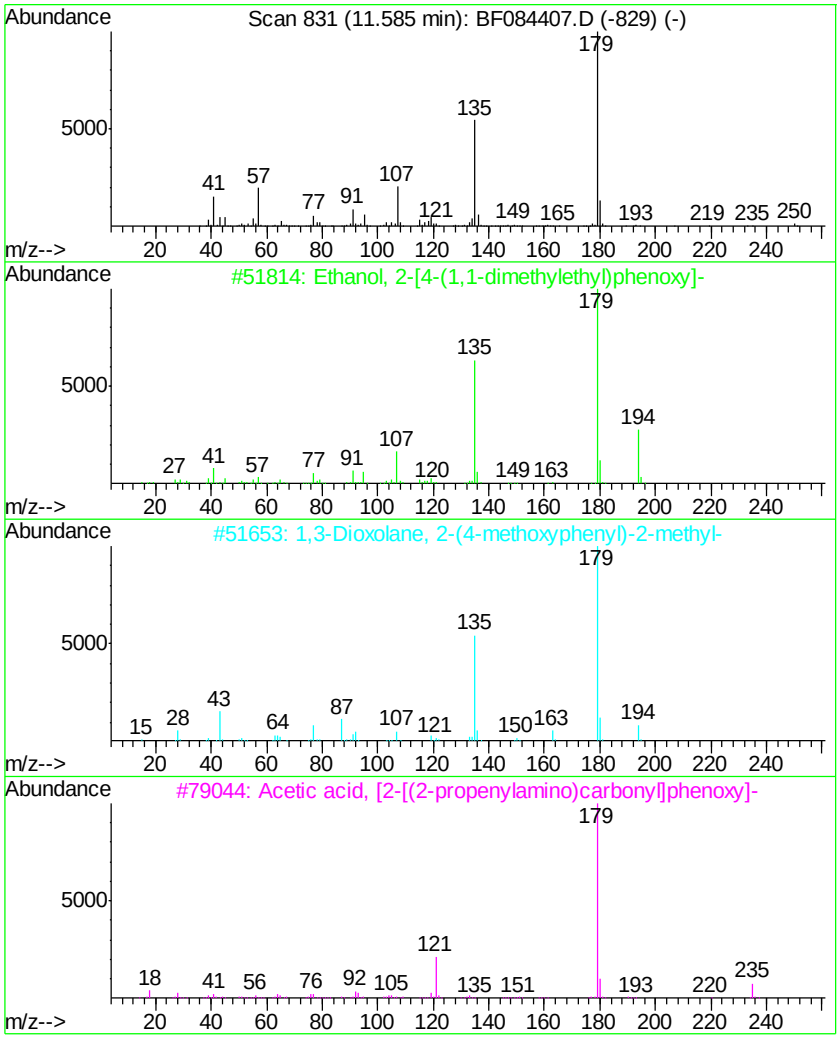
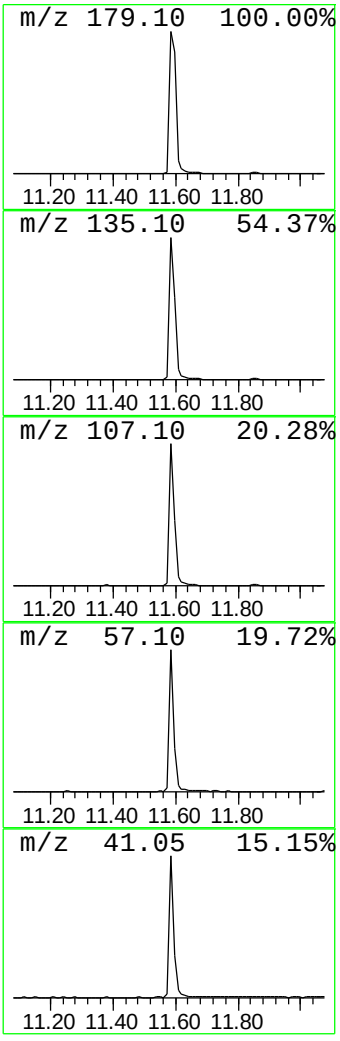
Peak Number 4 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.58 | 16.31 ng | 2512950 | Phenanthrene-d10 | 11.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-[4-(1,1-dimethylethyl... | 194 | C12H18O2 | 000713-46-2 | 90 |
| 2 | 1,3-Dioxolane, 2-(4-methoxypheny... | 194 | C11H14O3 | 036881-00-2 | 72 |
| 3 | Acetic acid, [2-[(2-propenylamin... | 235 | C12H13NO4 | 000119-45-9 | 43 |
| 4 | 2,4-Dimethoxyphenyl isocyanate | 179 | C9H9NO3 | 084370-87-6 | 32 |
| 5 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 27 |



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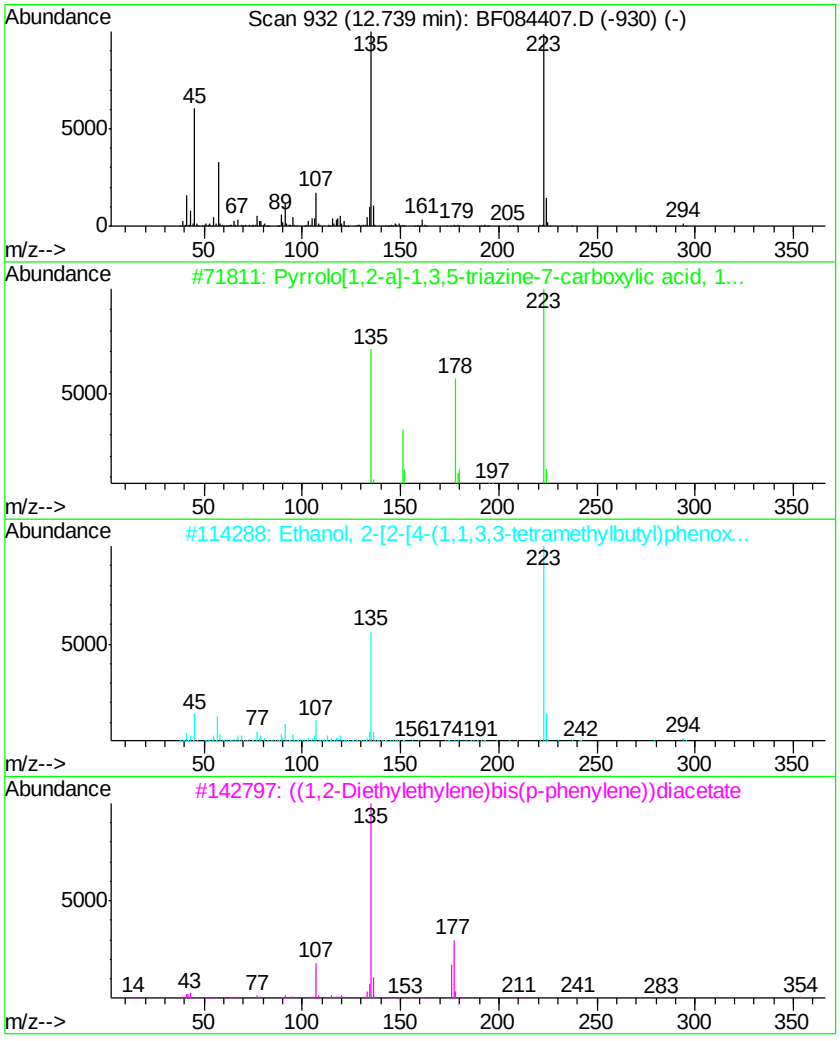
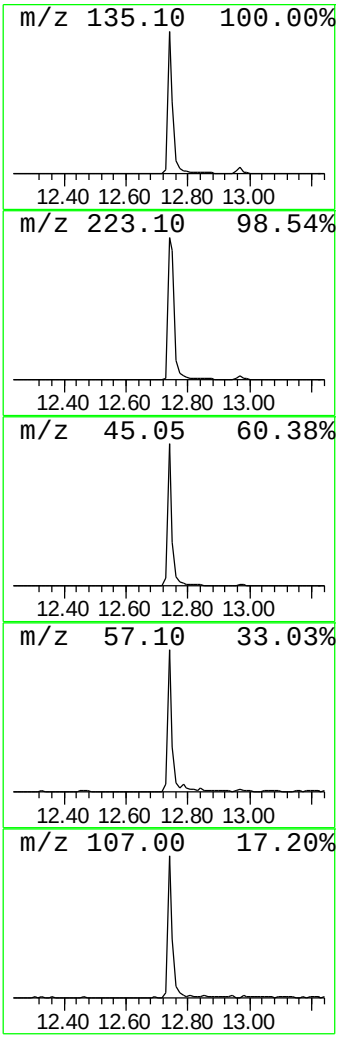
Peak Number 5 Pyrrolo[1,2-a]-1,3,5-triazi... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.74 | 19.65 ng | 2033200 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrrolo[1,2-a]-1,3,5-triazine-7-... | 223 | C9H9N3O4 | 054449-89-7 | 90 |
| 2 | Ethanol, 2-[2-[4-(1,1,3,3-tetram... | 294 | C18H30O3 | 002315-61-9 | 58 |
| 3 | ((1,2-Diethylethylene)bis(p-phen... | 354 | C22H26O4 | 004547-76-6 | 35 |
| 4 | m-Methoxybenzoic acid, phenyl ester | 228 | C14H12O3 | 065853-67-0 | 35 |
| 5 | Phenol, 4,4'-(1,2-diethyl-1,2-et... | 270 | C18H22O2 | 000084-16-2 | 32 |



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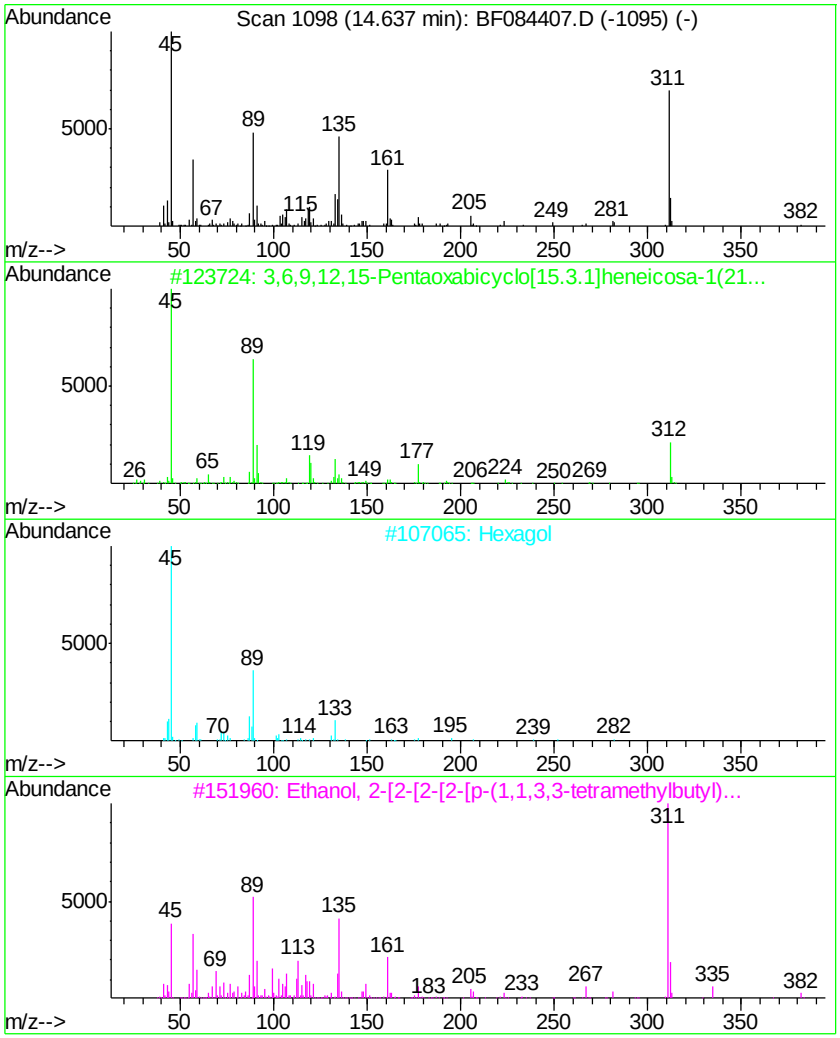
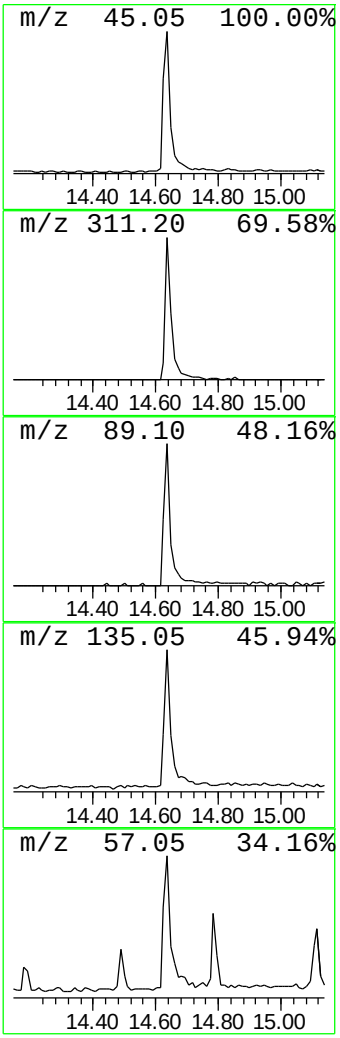
Peak Number 7 3,6,9,12,15-Pentaoxabicyclo... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.64 | 4.02 ng | 415834 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6,9,12,15-Pentaoxabicyclo[15.3... | 312 | C16H24O6 | 065112-36-9 | 53 |
| 2 | Hexagol | 282 | C12H26O7 | 002615-15-8 | 38 |
| 3 | Ethanol, 2-[2-[2-[2-[p-(1,1,3,3-... | 382 | C22H38O5 | 002315-63-1 | 38 |
| 4 | 3,6,9,12,15-Pentaoxabicyclo[15.3... | 326 | C17H26O6 | 071128-99-9 | 37 |
| 5 | 3,6,9,12,15,18,21-Heptaoxabicycl... | 462 | C20H31BrO7 | 111982-23-1 | 32 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.04 | 9.7 | ng | 1229800 | 1 | 6.85 | 2548360 | 20.0 |
| unknown6.62 | 6.62 | 64.9 | ng | 8268060 | 1 | 6.85 | 2548360 | 20.0 |
| Ethanol, 2-[4-(1,... | 11.58 | 16.3 | ng | 2512950 | 4 | 11.38 | 3081950 | 20.0 |
| Pyrrolo[1,2-a]-1,... | 12.74 | 19.6 | ng | 2033200 | 5 | 14.01 | 2069210 | 20.0 |
| 3,6,9,12,15-Penta... | 14.64 | 4.0 | ng | 415834 | 5 | 14.01 | 2069210 | 20.0 |