LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084138.D
Acq On : 25 Dec 2015 19:43
Operator : UM/SJ
Sample : G4920-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IM-CLAY-006

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-BF122415.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 | 4.979 | 250 | 253 | 264 | rVB | 199037 | 282791 | 15.62% | 2.113% |
| 2 | 5.424 | 290 | 292 | 294 | rBV | 1069387 | 1435936 | 79.32% | 10.730% |
| 3 | 6.453 | 380 | 382 | 385 | rBV | 1290685 | 1333700 | 73.67% | 9.966% |
| 4 | 6.567 | 390 | 392 | 395 | rBV | 1261801 | 1473140 | 81.37% | 11.008% |
| 5 | 6.796 | 410 | 412 | 415 | rBV | 333981 | 280233 | 15.48% | 2.094% |
| 6 | 6.956 | 424 | 426 | 428 | rBV | 1313963 | 1295391 | 71.55% | 9.679% |
| 7 | 7.367 | 459 | 462 | 464 | rBV | 921294 | 1015395 | 56.09% | 7.587% |
| 8 | 8.076 | 522 | 524 | 527 | rBV | 274413 | 355057 | 19.61% | 2.653% |
| 9 | 9.162 | 616 | 619 | 621 | rBV | 1796366 | 1810353 | 100.00% | 13.527% |
| 10 | 9.550 | 651 | 653 | 655 | rBV | 265848 | 243666 | 13.46% | 1.821% |
| 11 | 9.836 | 675 | 678 | 680 | rBV | 436326 | 408908 | 22.59% | 3.055% |
| 12 | 10.271 | 714 | 716 | 718 | rVB | 42134 | 33268 | 1.84% | 0.249% |
| 13 | 10.488 | 732 | 735 | 738 | rBV | 11222 | 20860 | 1.15% | 0.156% |
| 14 | 10.625 | 744 | 747 | 749 | rBV | 1038260 | 1017228 | 56.19% | 7.601% |
| 15 | 10.739 | 756 | 757 | 761 | rBV | 44294 | 49645 | 2.74% | 0.371% |
| 16 | 11.185 | 794 | 796 | 798 | rBV | 19227 | 19495 | 1.08% | 0.146% |
| 17 | 11.311 | 806 | 807 | 810 | rBV | 297724 | 376590 | 20.80% | 2.814% |
| 18 | 12.728 | 929 | 931 | 932 | rBB | 25018 | 25734 | 1.42% | 0.192% |
| 19 | 12.899 | 944 | 946 | 948 | rBV | 1445574 | 1299513 | 71.78% | 9.710% |
| 20 | 13.425 | 990 | 992 | 994 | rBB | 21023 | 18896 | 1.04% | 0.141% |
| 21 | 13.802 | 1021 | 1025 | 1031 | rBV3 | 24331 | 46807 | 2.59% | 0.350% |
| 22 | 13.951 | 1036 | 1038 | 1041 | rVB | 294273 | 277806 | 15.35% | 2.076% |
| 23 | 15.368 | 1160 | 1162 | 1167 | rBV | 184645 | 262445 | 14.50% | 1.961% |

Sum of corrected areas: 13382857

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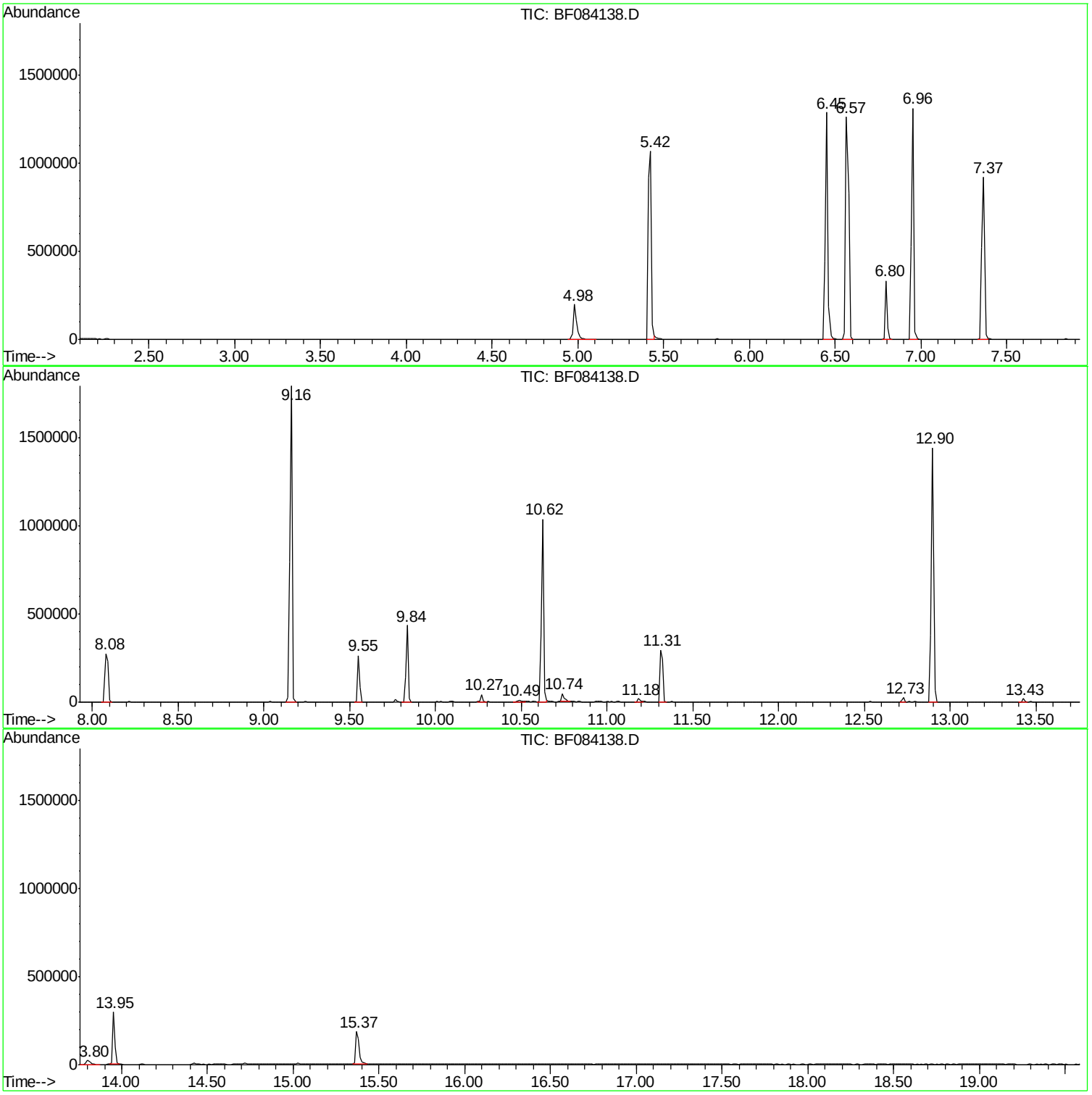
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
IM-CLAY-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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\BF122515\
Data File : BF084138.D
Acq On : 25 Dec 2015 19:43
Operator : UM/SJ
Sample : G4920-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IM-CLAY-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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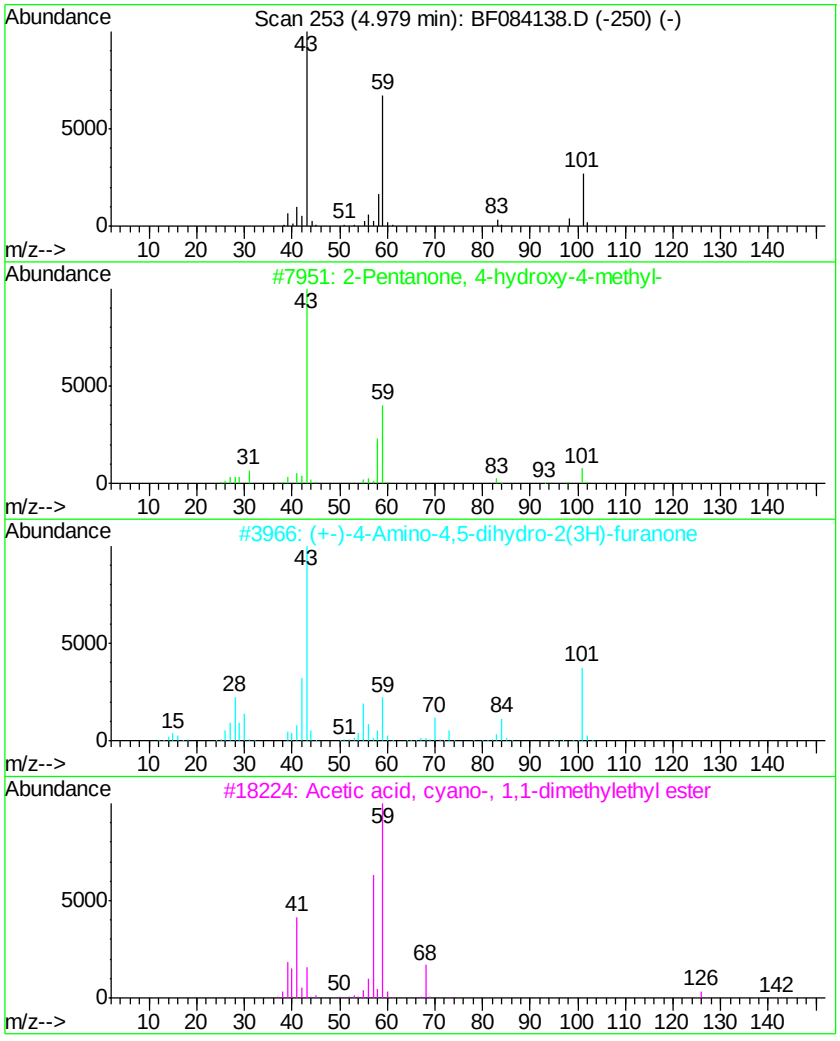
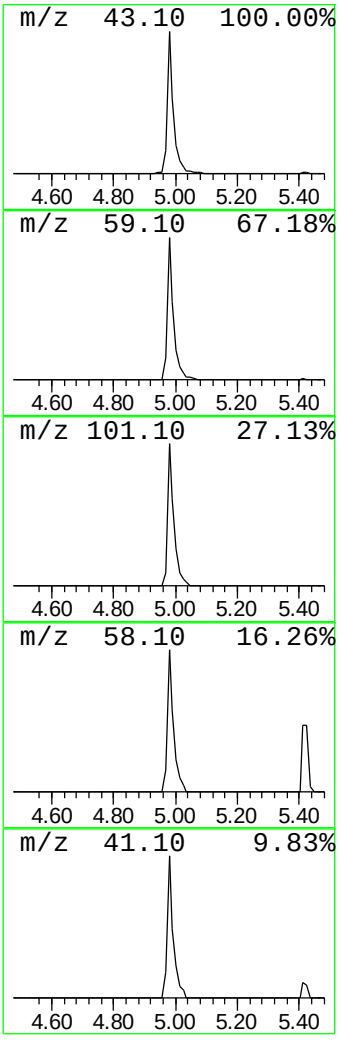
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.98 | 20.18 ng | 282791 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 43 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



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Data File : BF084138.D
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Operator : UM/SJ
Sample : G4920-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IM-CLAY-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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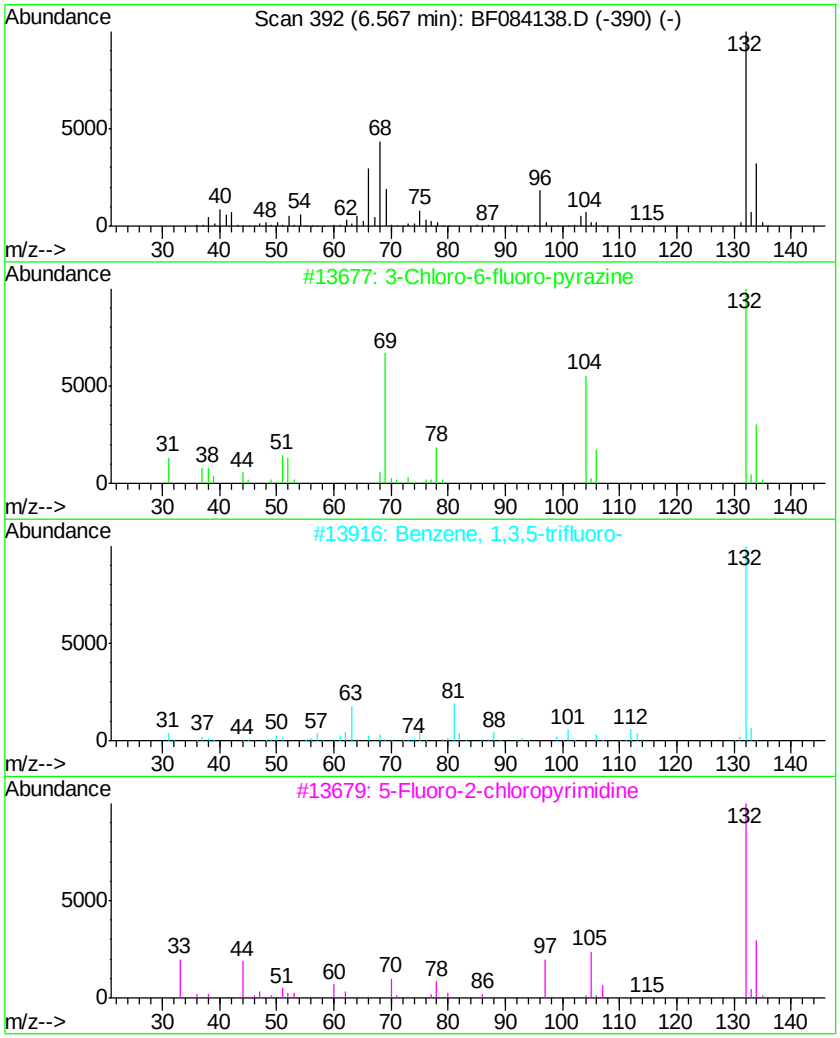
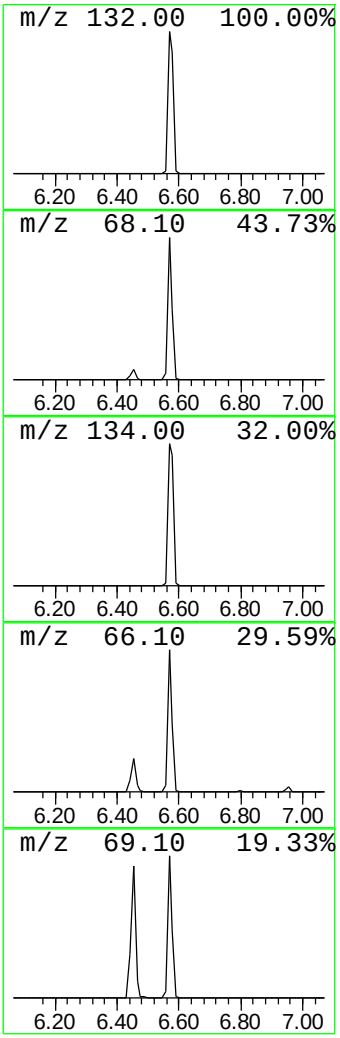
Peak Number 2 unknown6.57 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 105.14 ng | 1473140 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 14 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



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Data File : BF084138.D
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Sample : G4920-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IM-CLAY-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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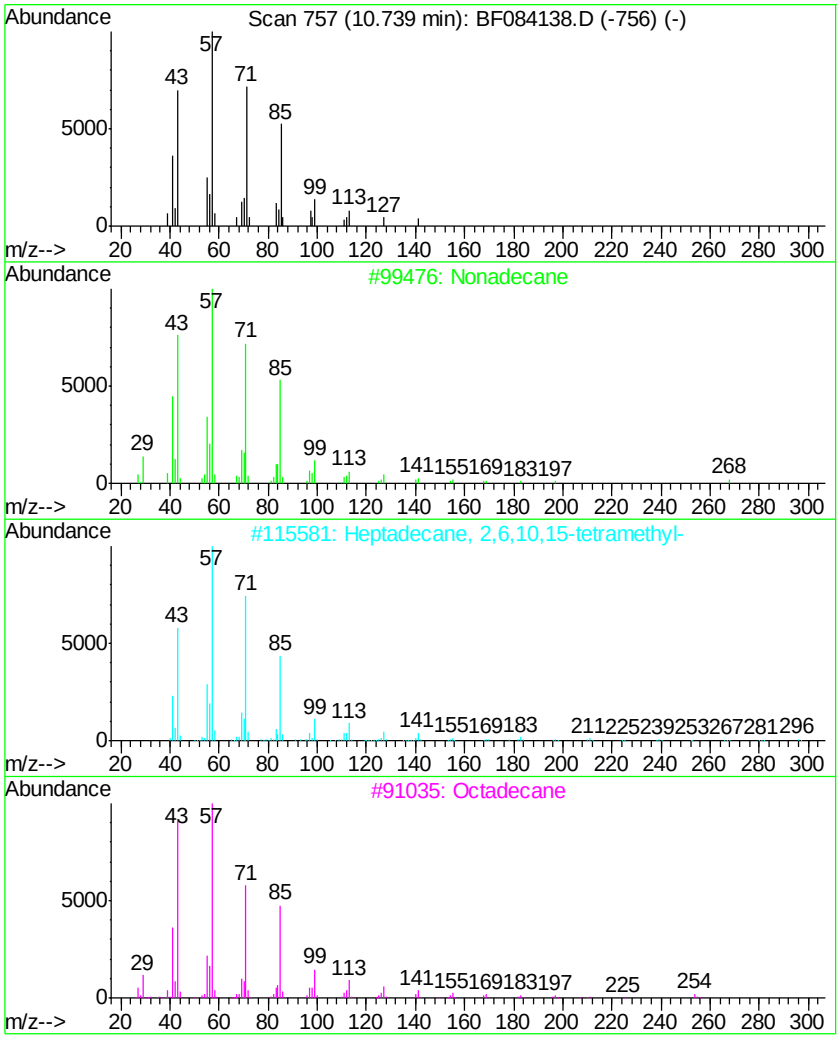
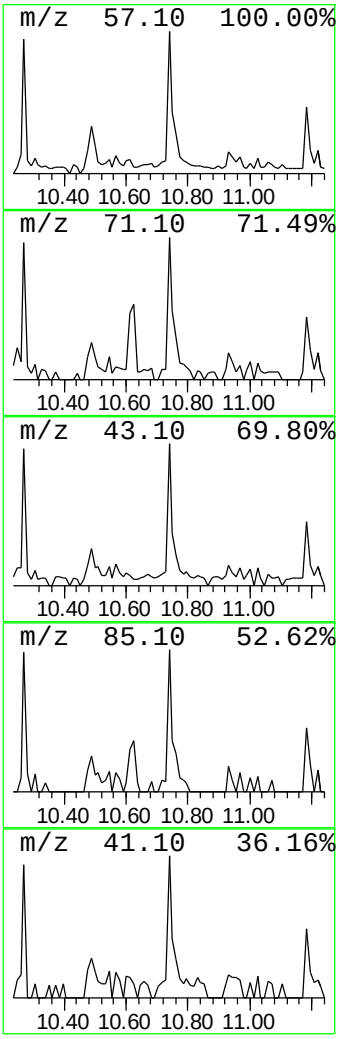
Peak Number 4 Nonadecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.74 | 2.64 ng | 49645 | Phenanthrene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |



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Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IM-CLAY-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
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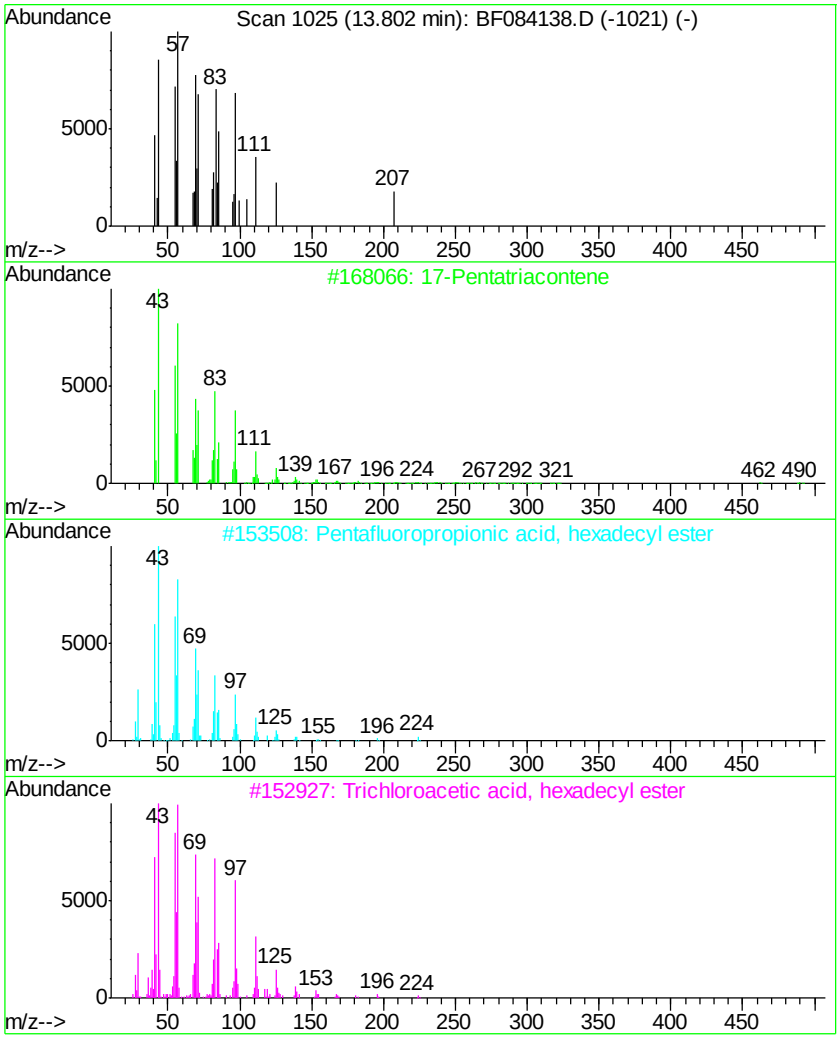
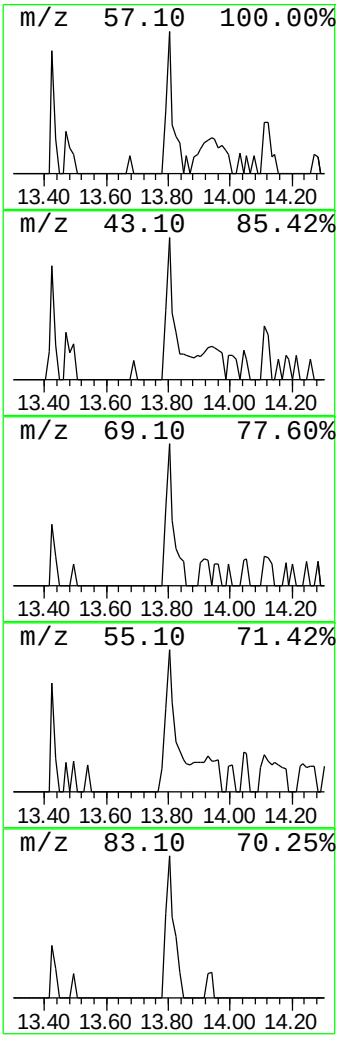
Peak Number 5 17-Pentatriacontene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.80 | 3.37 ng | 46807 | Chrysene-d12 | 13.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 80 |
| 2 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 72 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 72 |
| 4 | Trifluoroacetic acid, n-heptadec... | 324 | C17H31F3O2 | 1000216-79-2 | 59 |
| 5 | Acetic acid, trifluoro-, tetrade... | 310 | C16H29F3O2 | 006222-02-2 | 53 |



# Tentatively Identified Compound (LSC) summary

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TIC Library : C:\DATABASE\NIST02.L
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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.98 | 20.2 | ng | 282791 | 1 | 6.80 | 280233 | 20.0 |
| unknown6.57 | 6.57 | 105.1 | ng | 1473140 | 1 | 6.80 | 280233 | 20.0 |
| Nonadecane | 10.74 | 2.6 | ng | 49645 | 4 | 11.31 | 376590 | 20.0 |
| 17-Pentatriacontene | 13.80 | 3.4 | ng | 46807 | 5 | 13.95 | 277806 | 20.0 |