LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084249.D
Acq On : 4 Jan 2016 19:57
Operator : UM/SJ
Sample : G4986-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

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 | 2.155 | 4 | 6 | 16 | rVB4 | 68485 | 178366 | 3.26% | 0.332% |
| 2 | 5.081 | 260 | 262 | 267 | rVB | 1415436 | 1651750 | 30.20% | 3.076% |
| 3 | 5.504 | 296 | 299 | 301 | rBV | 5797161 | 5391055 | 98.56% | 10.040% |
| 4 | 6.533 | 386 | 389 | 391 | rBV | 5255913 | 5194927 | 94.97% | 9.675% |
| 5 | 6.659 | 398 | 400 | 403 | rVB | 5337700 | 5337614 | 97.58% | 9.941% |
| 6 | 6.887 | 418 | 420 | 423 | rVB | 1968681 | 1692187 | 30.94% | 3.151% |
| 7 | 7.047 | 431 | 434 | 436 | rBV | 5088660 | 4327320 | 79.11% | 8.059% |
| 8 | 7.459 | 467 | 470 | 472 | rBV | 3714215 | 4047312 | 73.99% | 7.538% |
| 9 | 7.550 | 475 | 478 | 480 | rBV | 49625 | 66571 | 1.22% | 0.124% |
| 10 | 8.179 | 530 | 533 | 535 | rBV | 2606483 | 2341981 | 42.82% | 4.362% |
| 11 | 9.253 | 624 | 627 | 630 | rBV | 6147274 | 5469979 | 100.00% | 10.187% |
| 12 | 9.653 | 660 | 662 | 664 | rBV | 1372481 | 1203838 | 22.01% | 2.242% |
| 13 | 9.870 | 676 | 681 | 682 | rBV | 43299 | 65029 | 1.19% | 0.121% |
| 14 | 9.928 | 684 | 686 | 689 | rVB | 1938026 | 2339586 | 42.77% | 4.357% |
| 15 | 10.362 | 720 | 724 | 726 | rVB | 125242 | 143515 | 2.62% | 0.267% |
| 16 | 10.590 | 740 | 744 | 747 | rBV | 48258 | 96856 | 1.77% | 0.180% |
| 17 | 10.716 | 753 | 755 | 758 | rBV2 | 3248706 | 3709170 | 67.81% | 6.908% |
| 18 | 10.842 | 764 | 766 | 769 | rBV | 173904 | 261501 | 4.78% | 0.487% |
| 19 | 11.288 | 803 | 805 | 806 | rBV | 144239 | 127078 | 2.32% | 0.237% |
| 20 | 11.413 | 814 | 816 | 819 | rBV | 2406546 | 2171578 | 39.70% | 4.044% |
| 21 | 13.002 | 953 | 955 | 957 | rBV | 4943444 | 4293521 | 78.49% | 7.996% |
| 22 | 13.482 | 995 | 997 | 1003 | rBV3 | 33934 | 83934 | 1.53% | 0.156% |
| 23 | 13.905 | 1031 | 1034 | 1040 | rBV | 255725 | 370795 | 6.78% | 0.691% |
| 24 | 14.054 | 1044 | 1047 | 1049 | rBV | 1469518 | 1564294 | 28.60% | 2.913% |
| 25 | 14.534 | 1087 | 1089 | 1091 | rBV2 | 44425 | 79319 | 1.45% | 0.148% |
| 26 | 15.494 | 1170 | 1173 | 1175 | rBV | 1094584 | 1424270 | 26.04% | 2.653% |
| 27 | 15.962 | 1212 | 1214 | 1217 | rBV3 | 31589 | 61570 | 1.13% | 0.115% |

Sum of corrected areas: 53694916

LSC Report - Integrated Chromatogram

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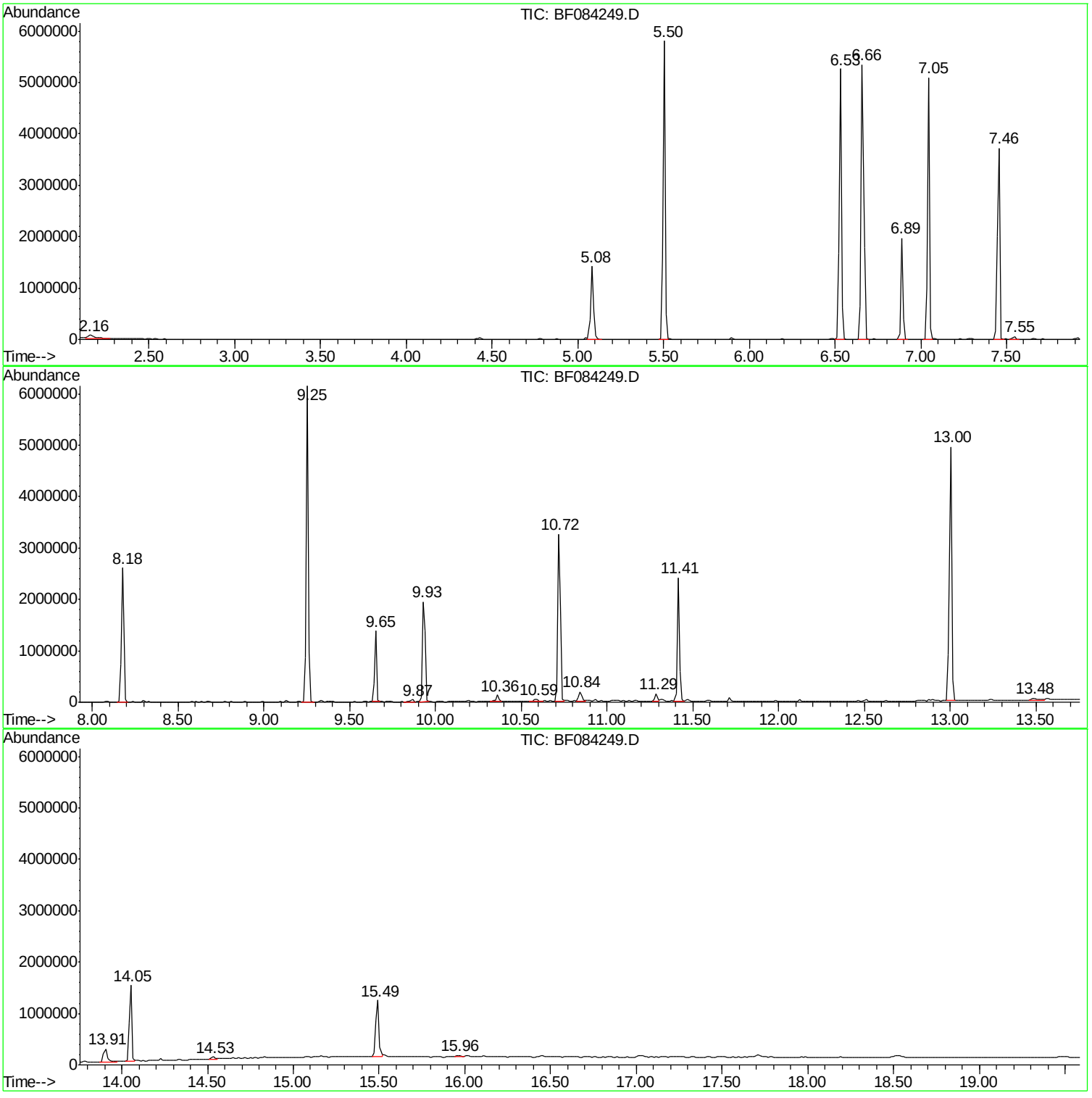
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

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



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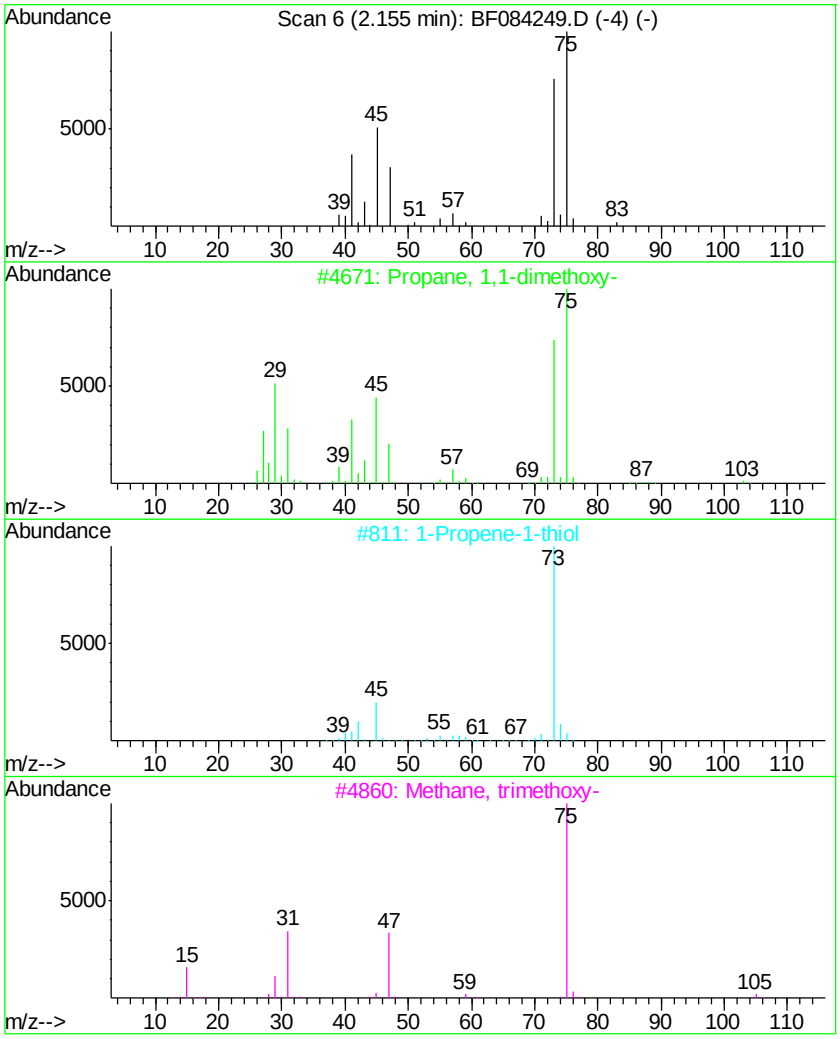
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

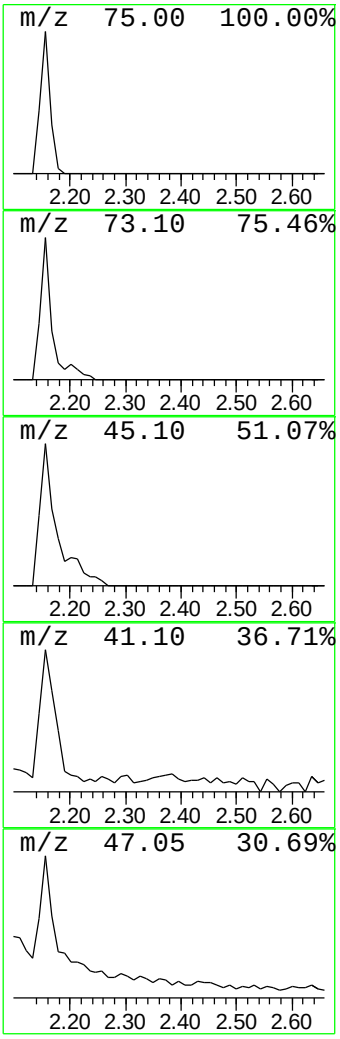
**********

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.16 | 2.11 ng | 178366 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 64 |
| 2 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |
| 3 | Methane, trimethoxy- | 106 | C4H10O3 | 000149-73-5 | 9 |
| 4 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 9 |
| 5 | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 9 |



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Sample : G4986-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

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

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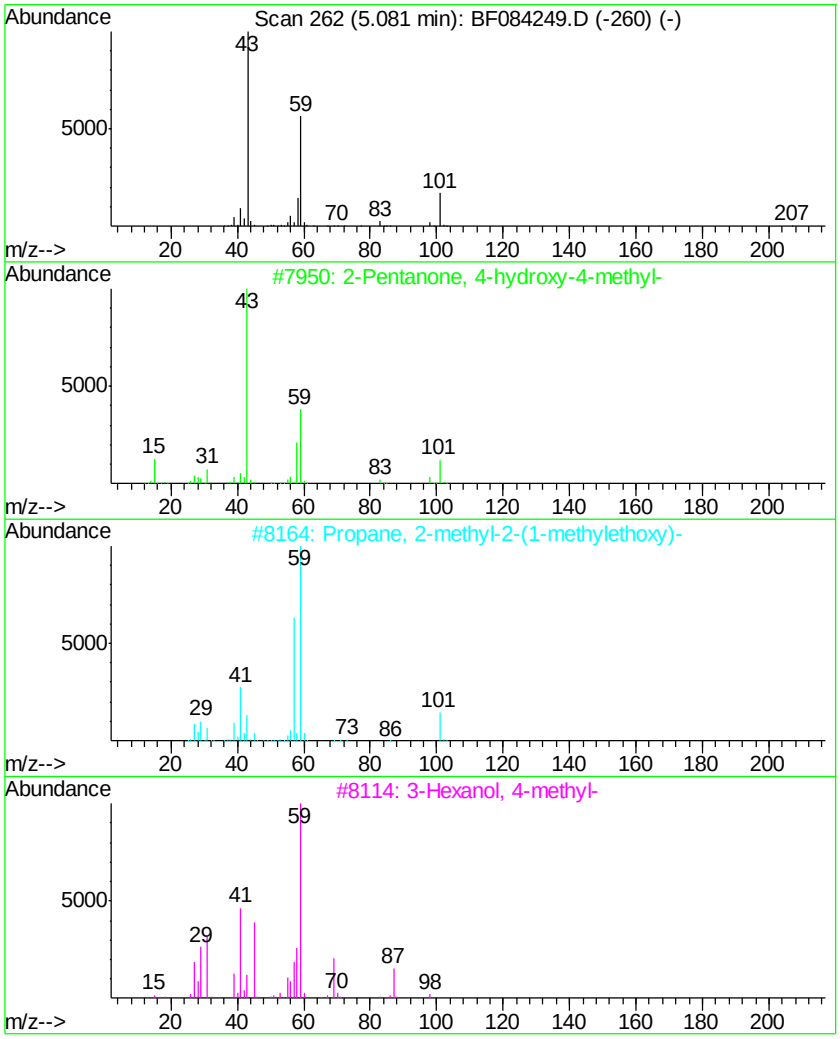
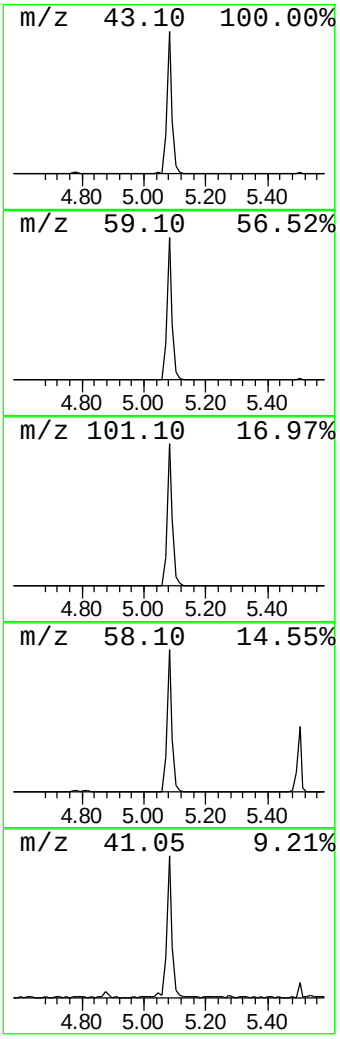
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.08 | 19.52 ng | 1651750 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



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Data File : BF084249.D
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Operator : UM/SJ
Sample : G4986-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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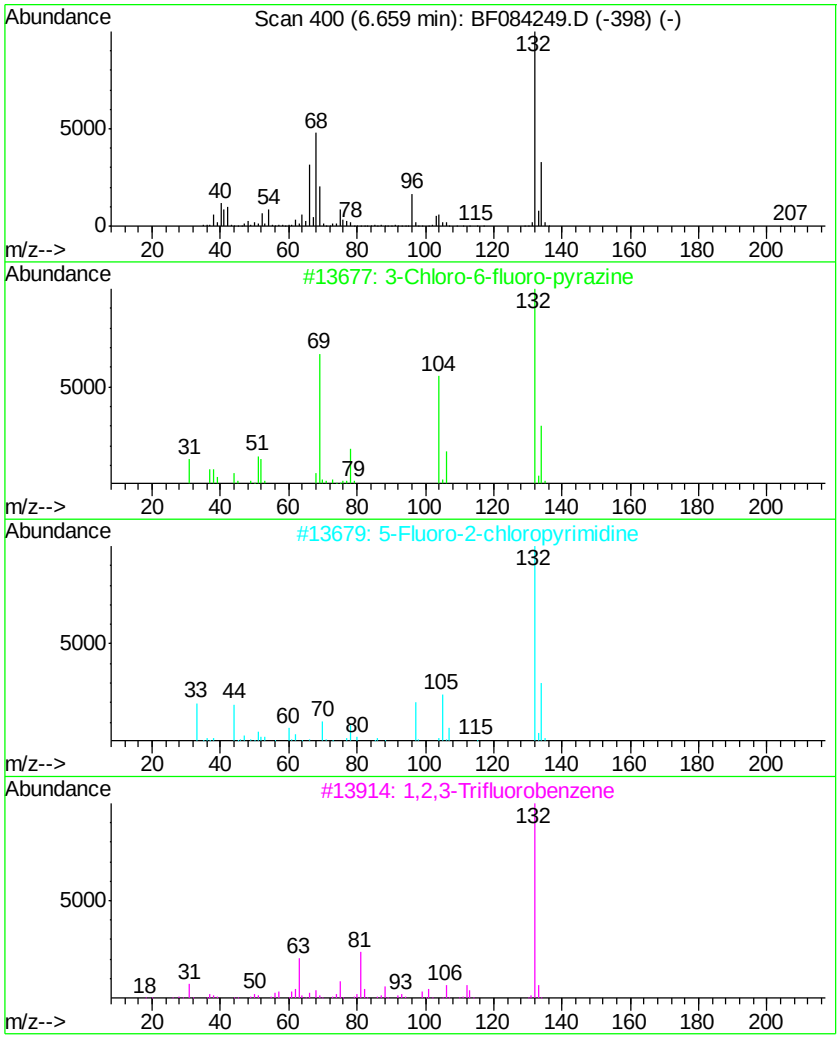
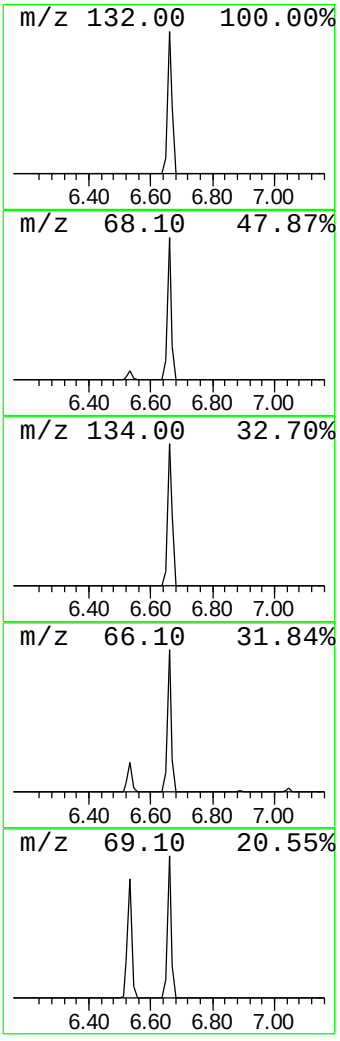
Peak Number 3 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 63.09 ng | 5337610 | 1,4-Dichlorobenzene-d4 | 6.89 |

| 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 | 16 |
| 3 | 1,2,3-Trifluorobenzene | 132 | C6H3F3 | 001489-53-8 | 9 |
| 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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**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

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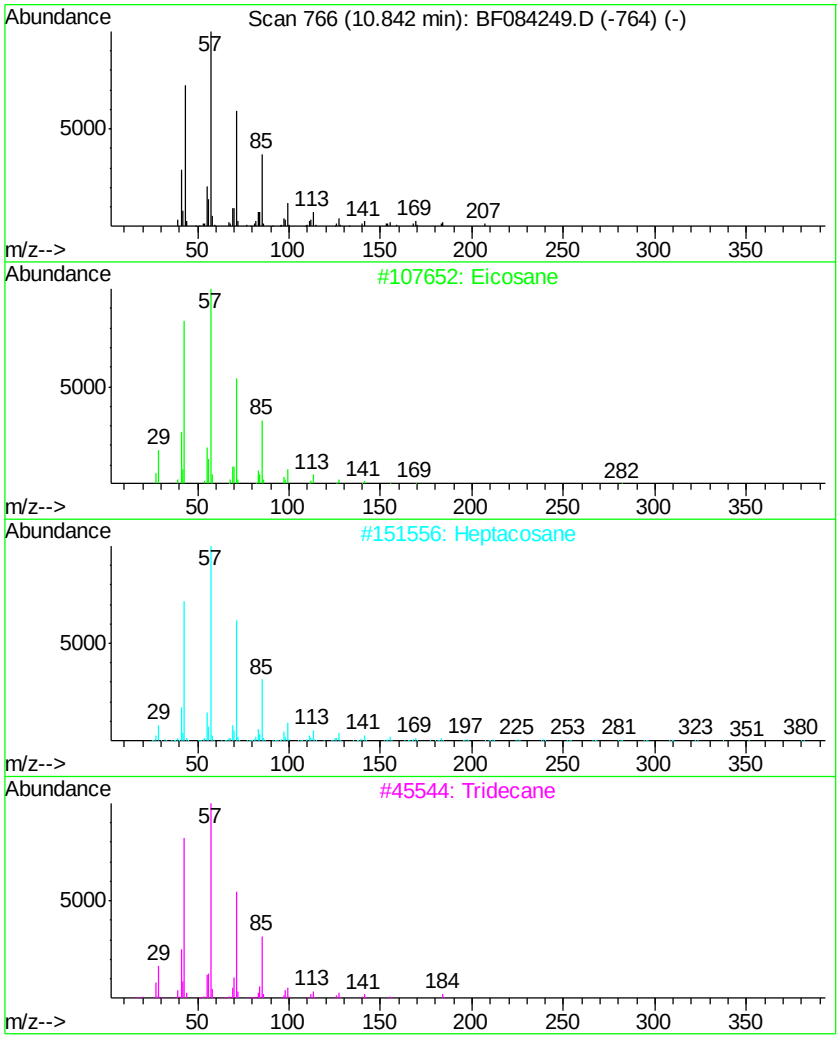
TIC Integration Parameters: LSCINT.P

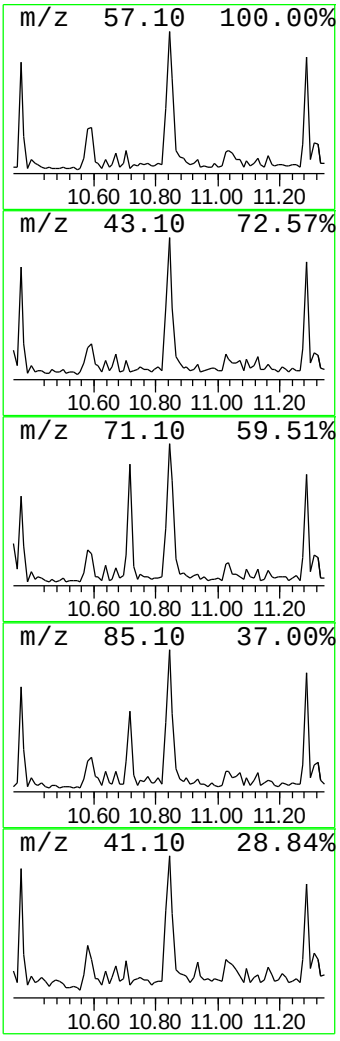
**********

Peak Number 5 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.84 | 2.41 ng | 261501 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 5 | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 86 |



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ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-4-1.5-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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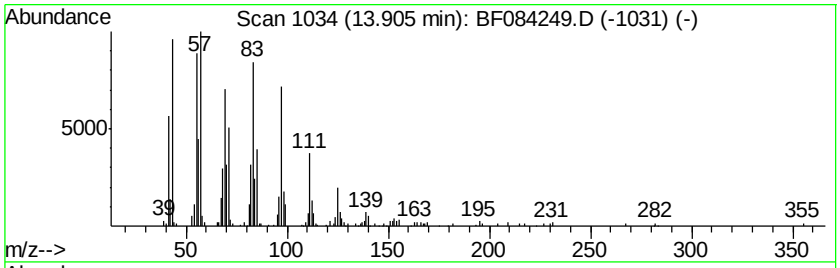
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

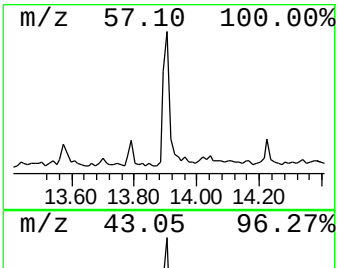
**********

Peak Number 6 Heptafluorobutanoic acid, h... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.91 | 4.74 ng | 370795 | Chrysene-d12 | 14.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 94 |
| 2 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 93 |
| 3 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91 |
| 4 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 91 |
| 5 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 90 |



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... | 2.16 | 2.1 | ng | 178366 | 1 | 6.89 | 1692190 | 20.0 |
| 2-Pentanone, 4-hy... | 5.08 | 19.5 | ng | 1651750 | 1 | 6.89 | 1692190 | 20.0 |
| unknown6.66 | 6.66 | 63.1 | ng | 5337610 | 1 | 6.89 | 1692190 | 20.0 |
| Eicosane | 10.84 | 2.4 | ng | 261501 | 4 | 11.41 | 2171580 | 20.0 |
| Heptafluorobutano... | 13.91 | 4.7 | ng | 370795 | 5 | 14.05 | 1564290 | 20.0 |