LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080216\
Data File : BF089551.D
Acq On : 2 Aug 2016 17:11
Operator : UM/SJ
Sample : H4269-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-52-13.0-14.0

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-BF072716.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 | 1.644 | 4 | 5 | 44 | rVB | 544854 | 1171298 | 90.75% | 9.974% |
| 2 | 4.570 | 258 | 261 | 272 | rBV | 198578 | 372939 | 28.89% | 3.176% |
| 3 | 5.039 | 300 | 302 | 326 | rBV | 694979 | 1124231 | 87.10% | 9.573% |
| 4 | 5.462 | 336 | 339 | 347 | rVB | 8667 | 14379 | 1.11% | 0.122% |
| 5 | 6.136 | 395 | 398 | 405 | rBV | 1043390 | 1223170 | 94.77% | 10.416% |
| 6 | 6.239 | 405 | 407 | 426 | rVB | 1219278 | 1290677 | 100.00% | 10.991% |
| 7 | 6.467 | 426 | 427 | 438 | rBV3 | 185900 | 228917 | 17.74% | 1.949% |
| 8 | 6.627 | 438 | 441 | 443 | rBV | 818658 | 925194 | 71.68% | 7.878% |
| 9 | 7.050 | 475 | 478 | 495 | rBV | 426055 | 731042 | 56.64% | 6.225% |
| 10 | 7.759 | 537 | 540 | 552 | rBV | 249086 | 294751 | 22.84% | 2.510% |
| 11 | 8.833 | 632 | 634 | 637 | rBV | 1182891 | 1260440 | 97.66% | 10.733% |
| 12 | 9.233 | 667 | 669 | 672 | rBV | 153833 | 160389 | 12.43% | 1.366% |
| 13 | 9.462 | 687 | 689 | 690 | rBV | 14066 | 14077 | 1.09% | 0.120% |
| 14 | 9.496 | 690 | 692 | 695 | rBV | 343238 | 320933 | 24.87% | 2.733% |
| 15 | 9.953 | 730 | 732 | 734 | rBV | 33404 | 26435 | 2.05% | 0.225% |
| 16 | 10.171 | 748 | 751 | 754 | rBV | 10386 | 17514 | 1.36% | 0.149% |
| 17 | 10.285 | 759 | 761 | 768 | rVV | 688987 | 705487 | 54.66% | 6.007% |
| 18 | 10.422 | 771 | 773 | 777 | rVV | 36256 | 39011 | 3.02% | 0.332% |
| 19 | 10.971 | 819 | 821 | 837 | rBB | 276648 | 284966 | 22.08% | 2.427% |
| 20 | 11.531 | 868 | 870 | 875 | rBB | 16339 | 15764 | 1.22% | 0.134% |
| 21 | 12.548 | 957 | 959 | 962 | rBV | 831445 | 992168 | 76.87% | 8.449% |
| 22 | 13.474 | 1038 | 1040 | 1046 | rBV | 44234 | 71356 | 5.53% | 0.608% |
| 23 | 13.588 | 1047 | 1050 | 1058 | rBV | 226821 | 233377 | 18.08% | 1.987% |
| 24 | 14.914 | 1164 | 1166 | 1173 | rBV | 182721 | 210571 | 16.31% | 1.793% |
| 25 | 15.360 | 1202 | 1205 | 1210 | rBV3 | 5585 | 14359 | 1.11% | 0.122% |

Sum of corrected areas: 11743445

LSC Report - Integrated Chromatogram

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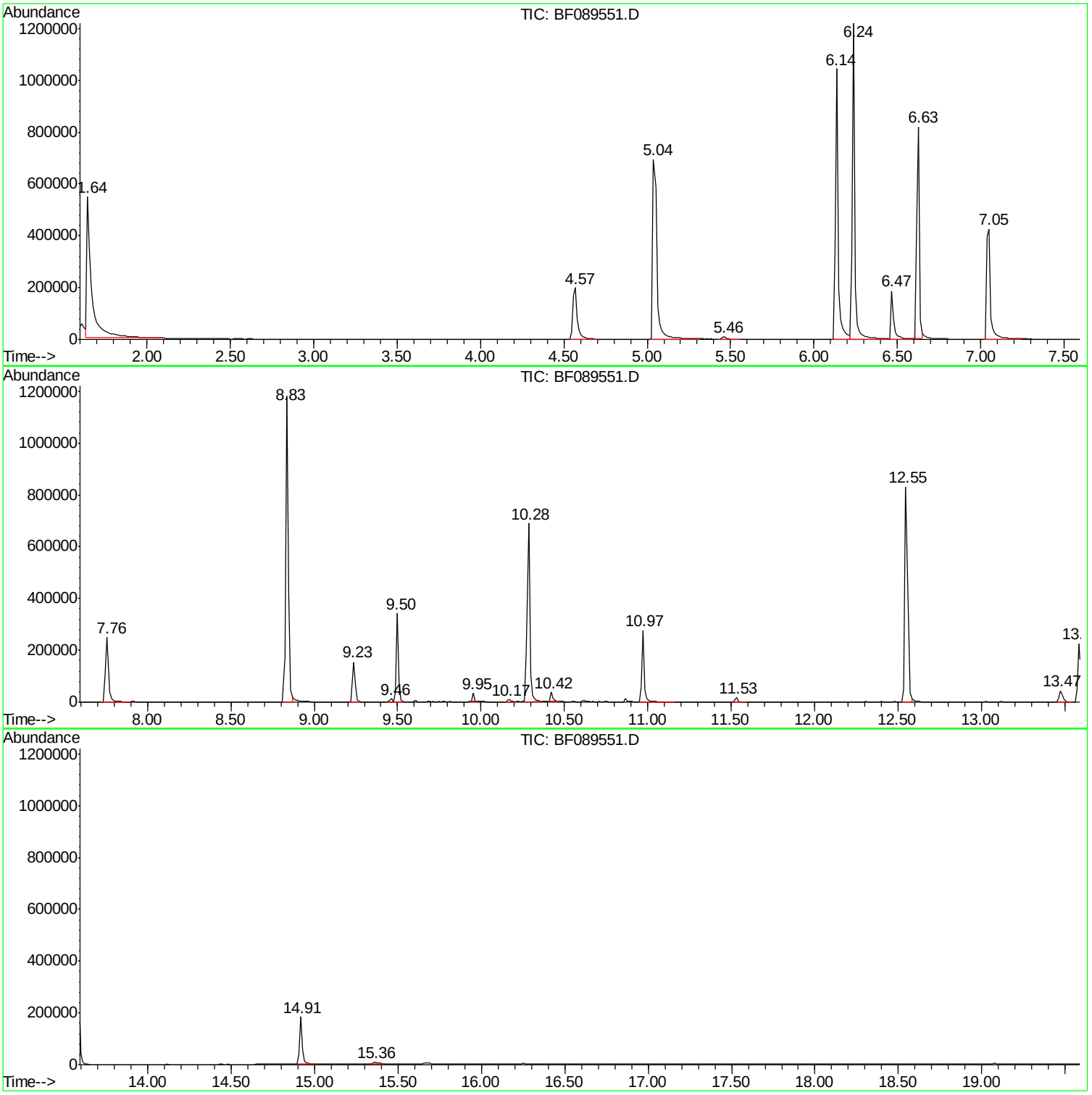
**Instrument :** BNA_F
**ClientSampleId :** SB-52-13.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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TIC Integration Parameters: LSCINT.P

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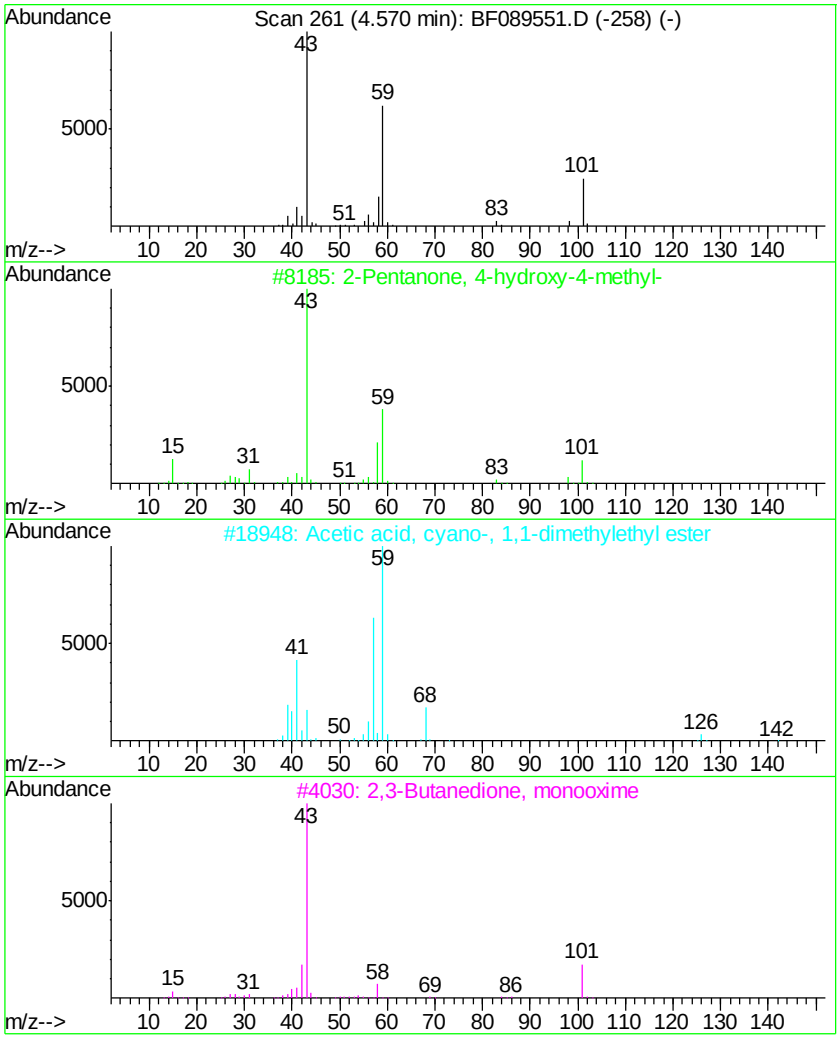
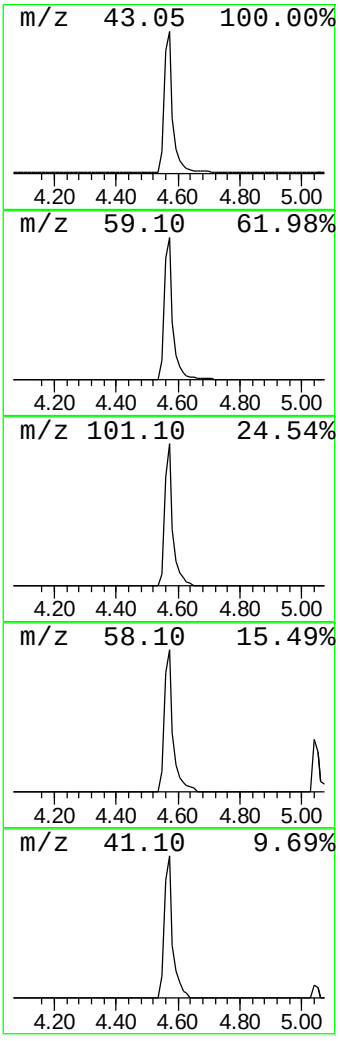
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.57 | 32.58 ng | 372939 | 1,4-Dichlorobenzene-d4 | 6.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



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ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-52-13.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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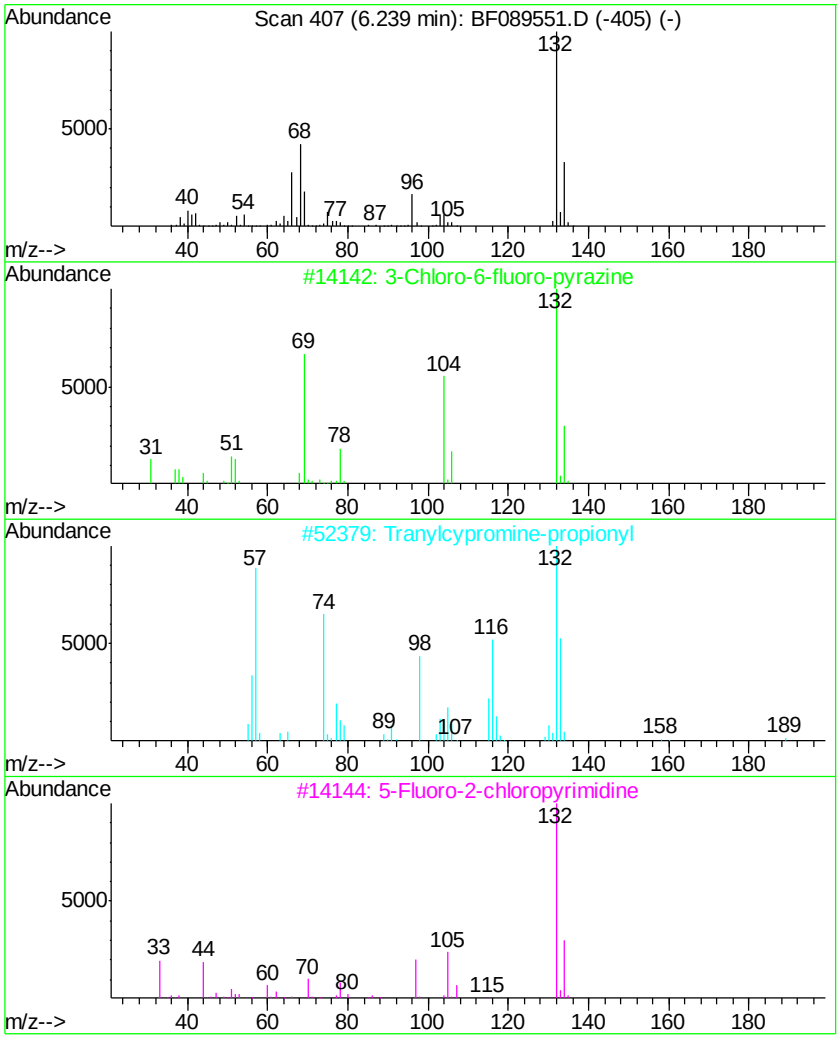
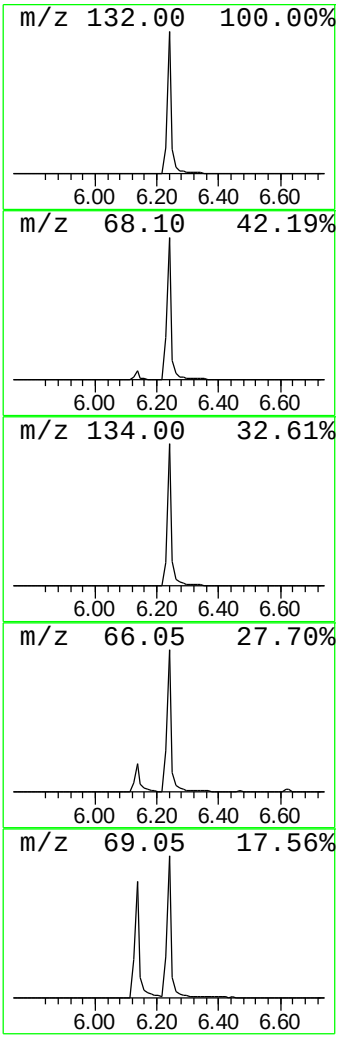
Peak Number 3 unknown6.24 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.24 | 112.76 ng | 1290680 | 1,4-Dichlorobenzene-d4 | 6.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 4 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



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Sample : H4269-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-52-13.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
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TIC Integration Parameters: LSCINT.P

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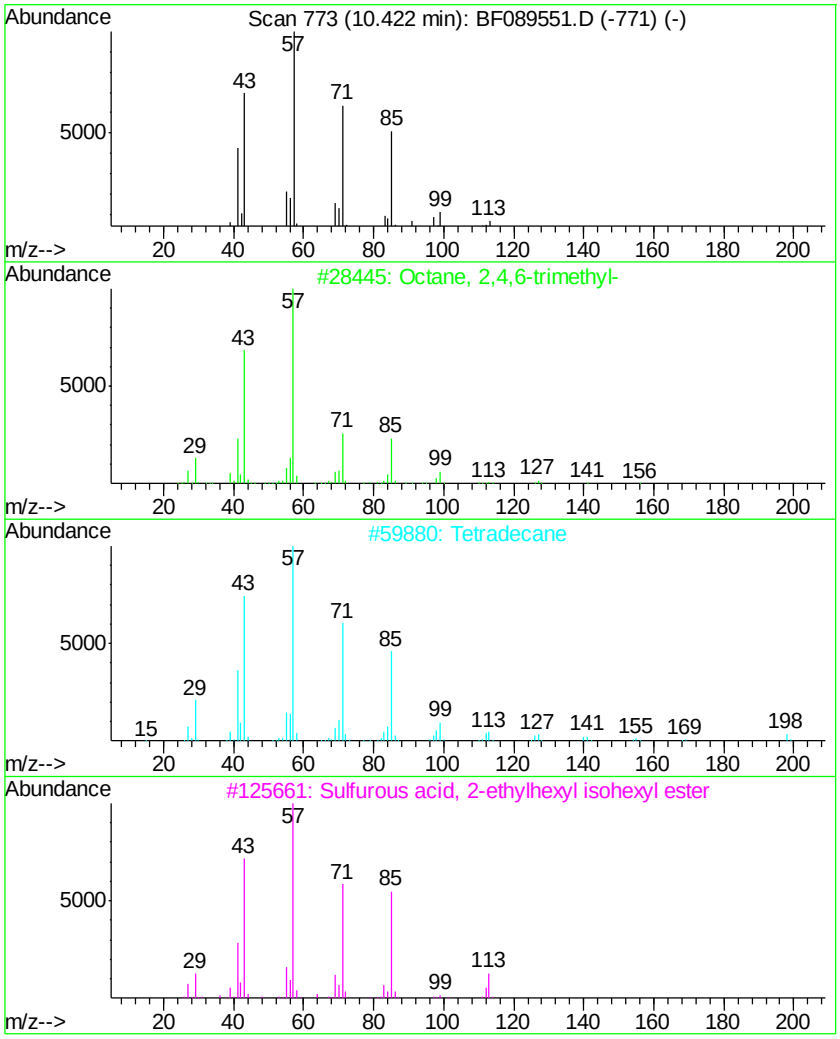
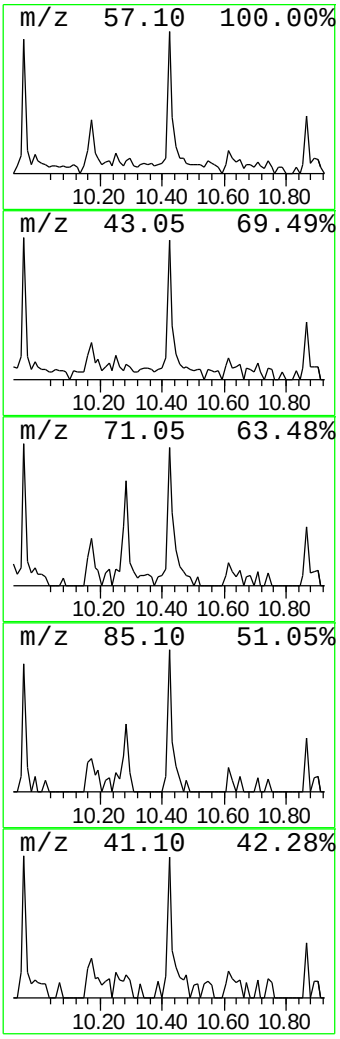
Peak Number 5 Octane, 2,4,6-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.42 | 2.74 ng | 39011 | Phenanthrene-d10 | 10.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 80 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 3 | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 64 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 59 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 53 |



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**Instrument :** BNA_F
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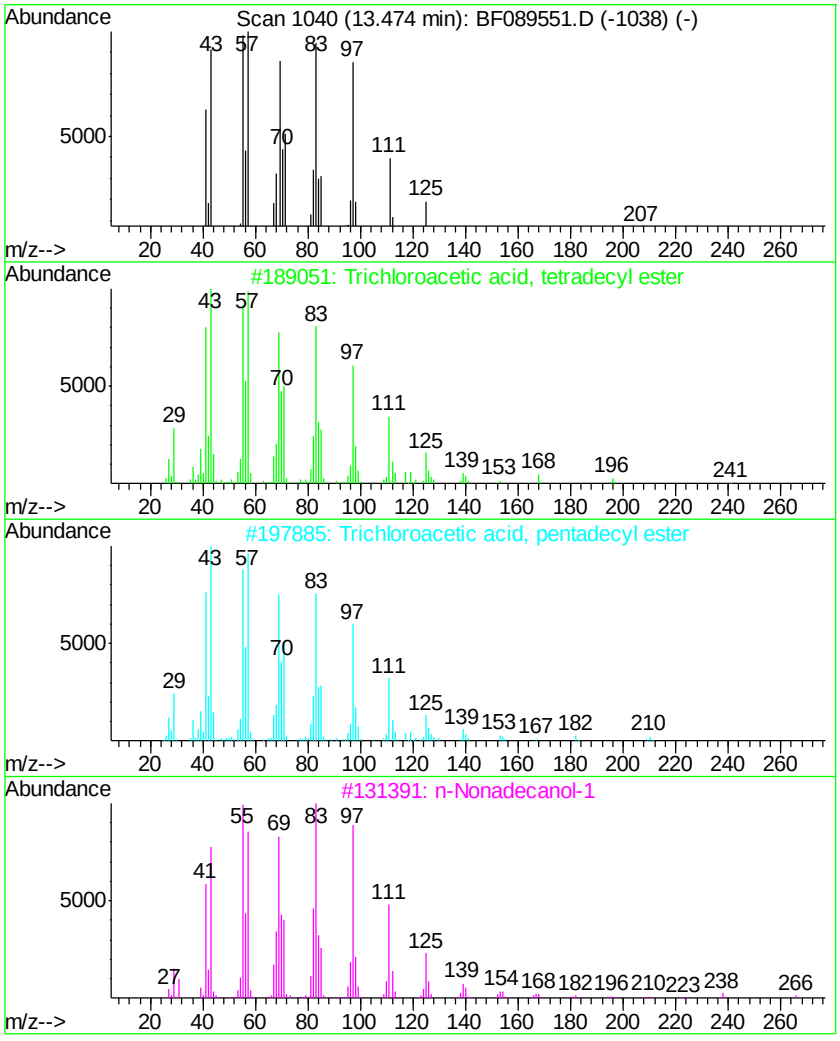
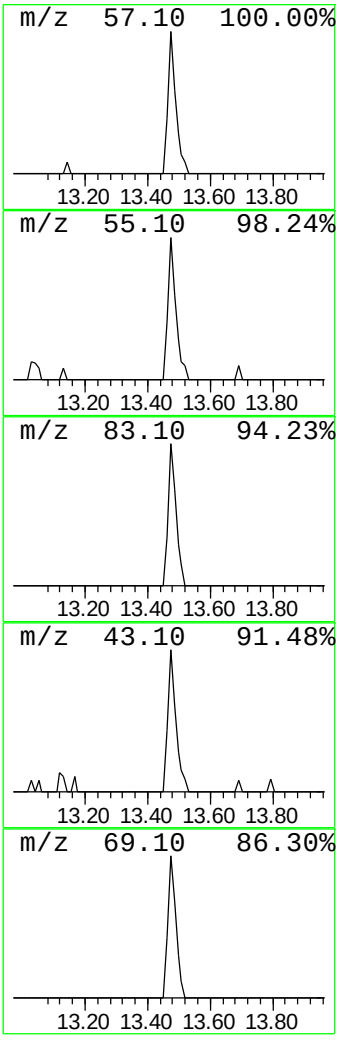
Peak Number 6 Trichloroacetic acid, tetra... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.47 | 6.12 ng | 71356 | Chrysene-d12 | 13.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91 |
| 2 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 3 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 91 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |



Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.57 | 32.6 | ng | 372939 | 1 | 6.47 | 228917 | 20.0 |
| unknown6.24 | 6.24 | 112.8 | ng | 1290680 | 1 | 6.47 | 228917 | 20.0 |
| Octane, 2,4,6-tri... | 10.42 | 2.7 | ng | 39011 | 4 | 10.97 | 284966 | 20.0 |
| Trichloroacetic a... | 13.47 | 6.1 | ng | 71356 | 5 | 13.59 | 233377 | 20.0 |