# LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
Data File : BF105096.D
Acq On : 4 May 2018 1:53
Operator : JU/SJ
Sample : J2626-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-MX-4(120-122)

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-BF040618.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 | 5.004 | 492 | 496 | 512 | rBV | 53156 | 104543 | 3.44% | 0.437% |
| 2 | 5.410 | 561 | 565 | 598 | rBV | 1912164 | 2677807 | 88.03% | 11.201% |
| 3 | 6.440 | 735 | 740 | 756 | rBV | 1848577 | 2662704 | 87.54% | 11.138% |
| 4 | 6.557 | 756 | 760 | 783 | rVB | 2619810 | 2823407 | 92.82% | 11.810% |
| 5 | 6.781 | 794 | 798 | 813 | rVB | 575641 | 605247 | 19.90% | 2.532% |
| 6 | 6.934 | 820 | 824 | 844 | rBV | 2158296 | 2176350 | 71.55% | 9.104% |
| 7 | 7.351 | 891 | 895 | 913 | rBV | 1490321 | 1684127 | 55.37% | 7.045% |
| 8 | 8.063 | 1013 | 1016 | 1031 | rBV | 772487 | 826076 | 27.16% | 3.456% |
| 9 | 9.139 | 1195 | 1199 | 1209 | rBV | 3058048 | 3041852 | 100.00% | 12.724% |
| 10 | 9.539 | 1263 | 1267 | 1274 | rBV | 247354 | 262199 | 8.62% | 1.097% |
| 11 | 9.739 | 1298 | 1301 | 1305 | rBV | 45802 | 38239 | 1.26% | 0.160% |
| 12 | 9.822 | 1311 | 1315 | 1328 | rBV | 852998 | 865850 | 28.46% | 3.622% |
| 13 | 10.239 | 1383 | 1386 | 1389 | rVB | 67421 | 49965 | 1.64% | 0.209% |
| 14 | 10.616 | 1446 | 1450 | 1464 | rBV | 1569817 | 1685328 | 55.40% | 7.050% |
| 15 | 10.710 | 1464 | 1466 | 1478 | rVB | 64540 | 75635 | 2.49% | 0.316% |
| 16 | 11.310 | 1565 | 1568 | 1577 | rBV | 725193 | 720375 | 23.68% | 3.013% |
| 17 | 11.833 | 1653 | 1657 | 1668 | rBV | 200916 | 209706 | 6.89% | 0.877% |
| 18 | 12.904 | 1834 | 1839 | 1842 | rBV | 2144209 | 2037075 | 66.97% | 8.521% |
| 19 | 13.821 | 1991 | 1995 | 2006 | rBV | 99888 | 145817 | 4.79% | 0.610% |
| 20 | 14.004 | 2022 | 2026 | 2038 | rBV | 474476 | 519504 | 17.08% | 2.173% |
| 21 | 14.098 | 2038 | 2042 | 2046 | rVB | 54800 | 52387 | 1.72% | 0.219% |
| 22 | 14.504 | 2105 | 2111 | 2114 | rBV3 | 23816 | 34512 | 1.13% | 0.144% |
| 23 | 14.839 | 2164 | 2168 | 2174 | rBV3 | 26222 | 35655 | 1.17% | 0.149% |
| 24 | 14.921 | 2179 | 2182 | 2186 | rVB2 | 39353 | 42613 | 1.40% | 0.178% |
| 25 | 15.563 | 2286 | 2291 | 2300 | rBV | 319630 | 462318 | 15.20% | 1.934% |
| 26 | 15.998 | 2361 | 2365 | 2372 | rBV8 | 15388 | 30506 | 1.00% | 0.128% |
| 27 | 16.539 | 2454 | 2457 | 2462 | rVB | 22269 | 36113 | 1.19% | 0.151% |

Sum of corrected areas: 23905910

LSC Report - Integrated Chromatogram

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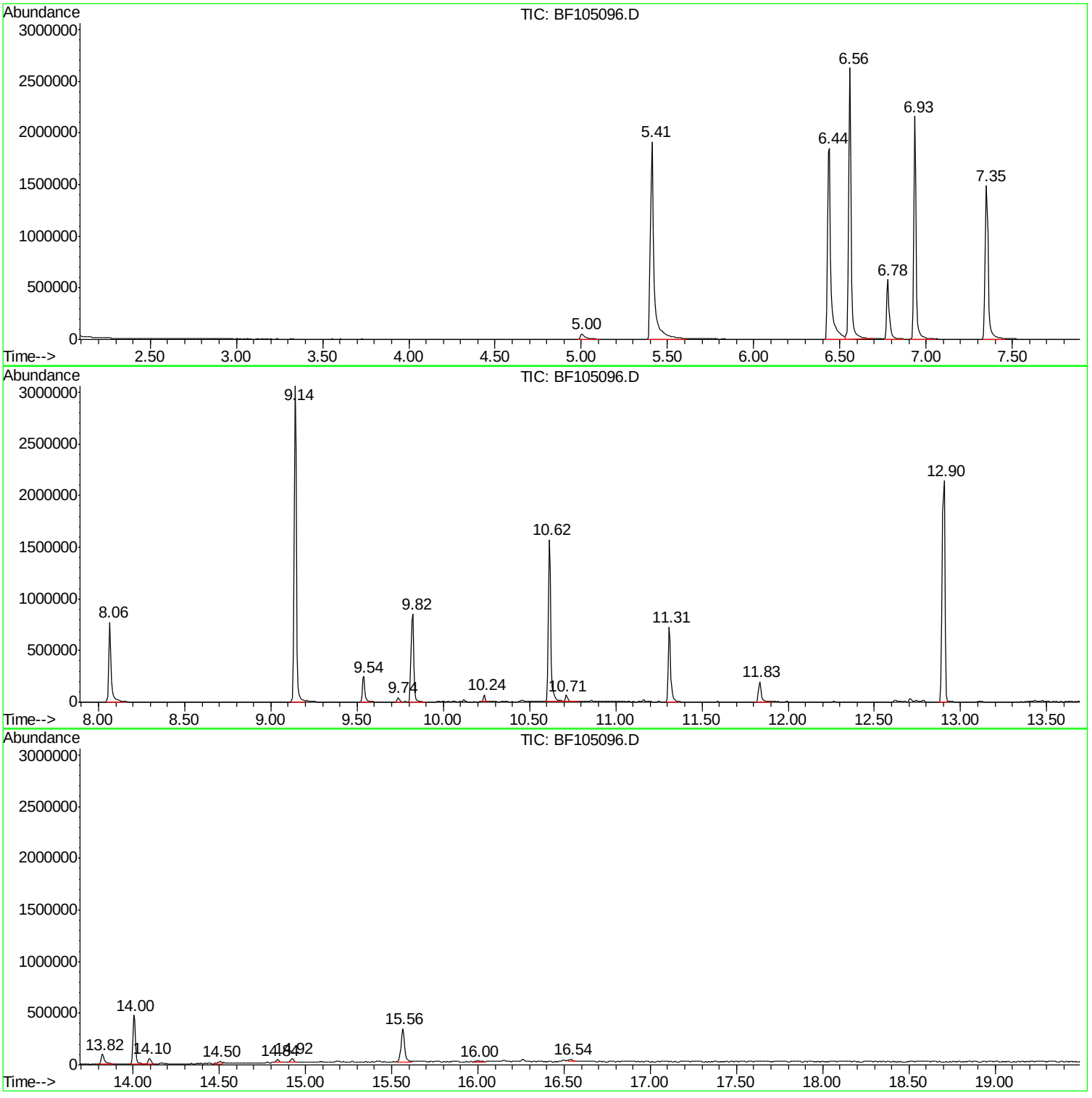
**Instrument :**
BNA_F
**ClientSampleId :**
EPE-MX-4(120-122)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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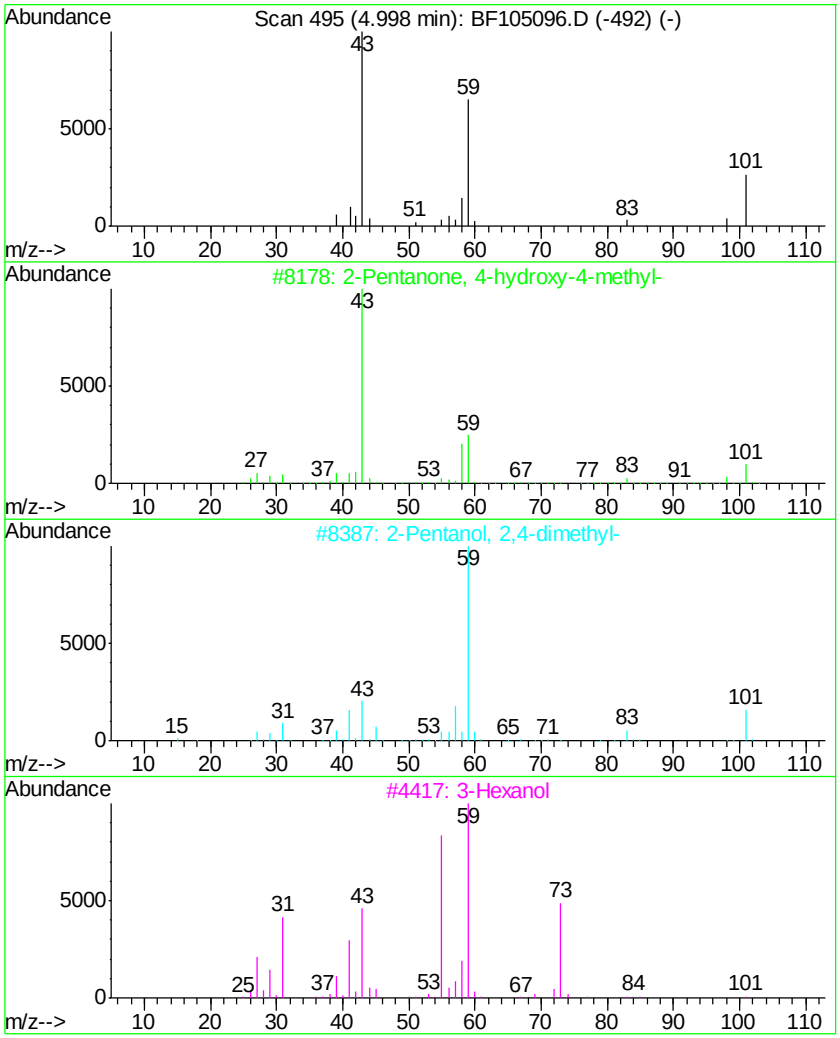
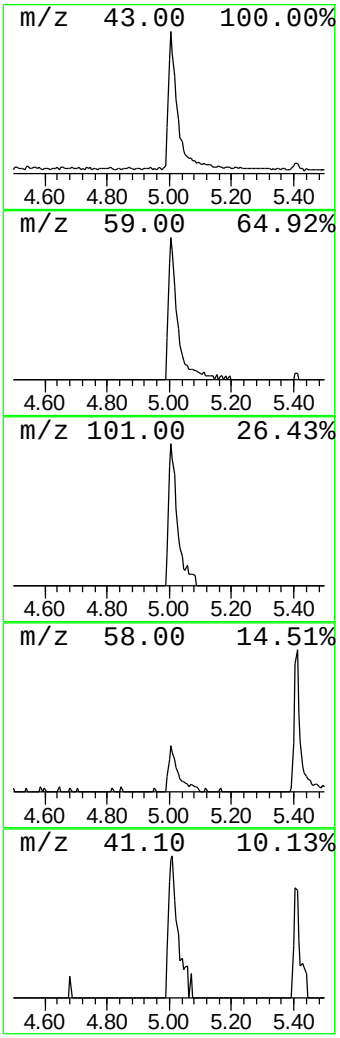
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.00 | 3.45 ng | 104543 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 53 |
| 3 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 25 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 25 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |



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**ClientSampleId :** EPE-MX-4(120-122)

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TIC Integration Parameters: LSCINT.P

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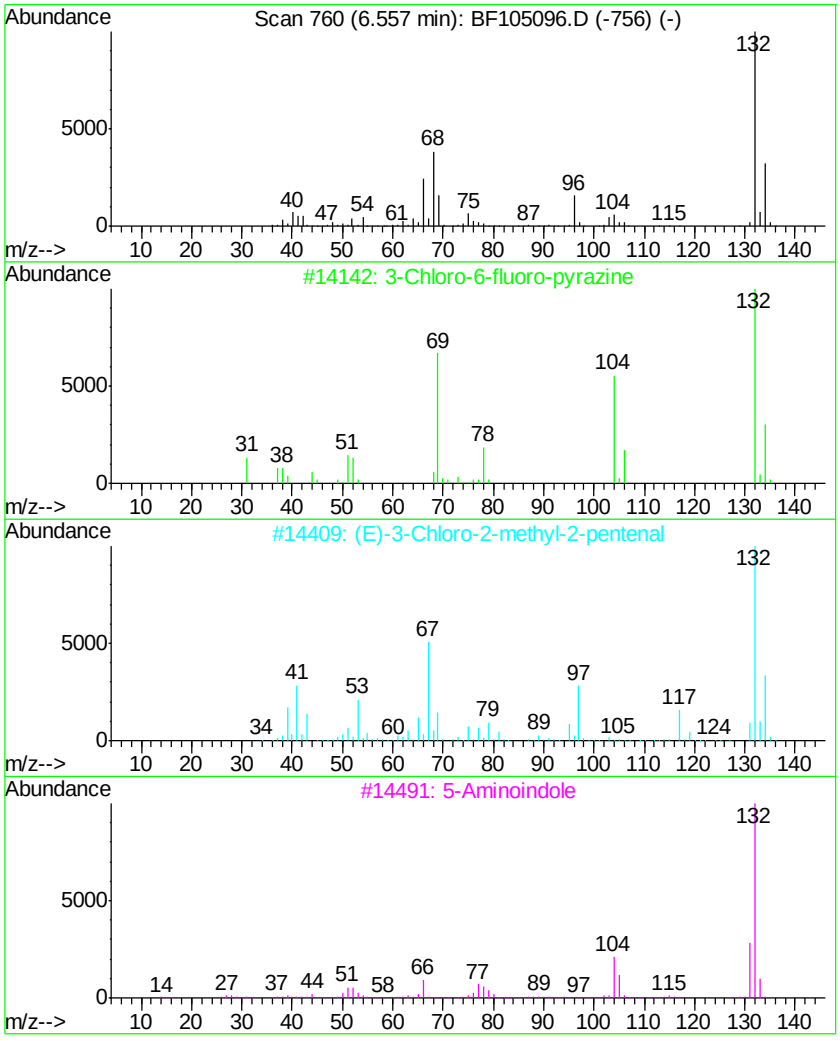
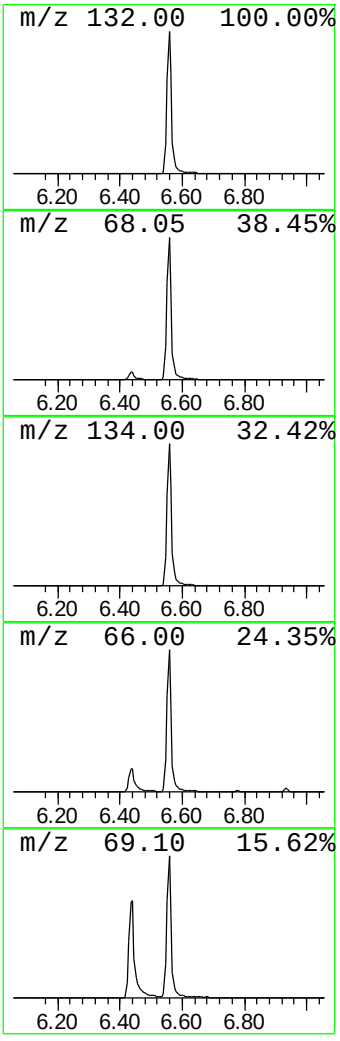
Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 93.30 ng | 2823410 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



# Library Search Compound Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-MX-4(120-122)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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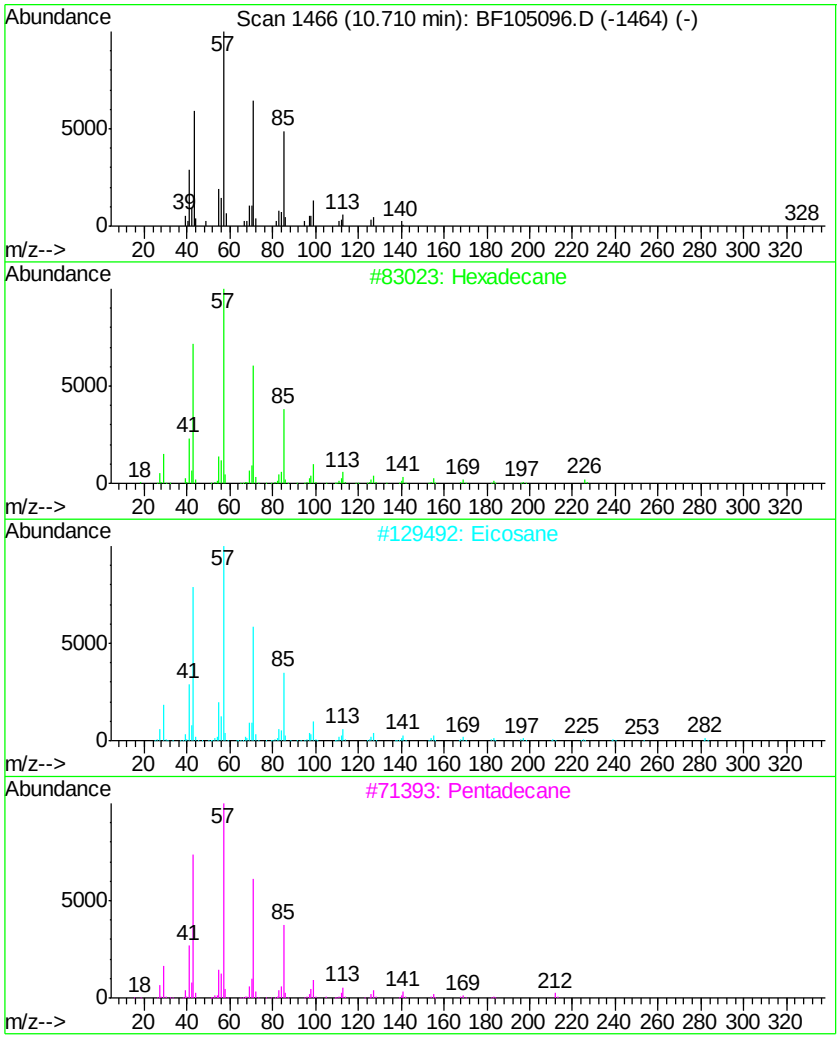
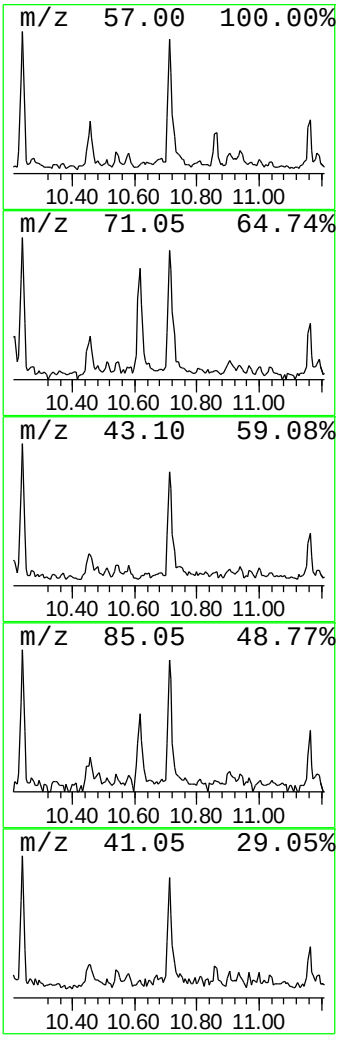
Peak Number 4 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.71 | 2.10 ng | 75635 | Phenanthrene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |



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Sample : J2626-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-MX-4(120-122)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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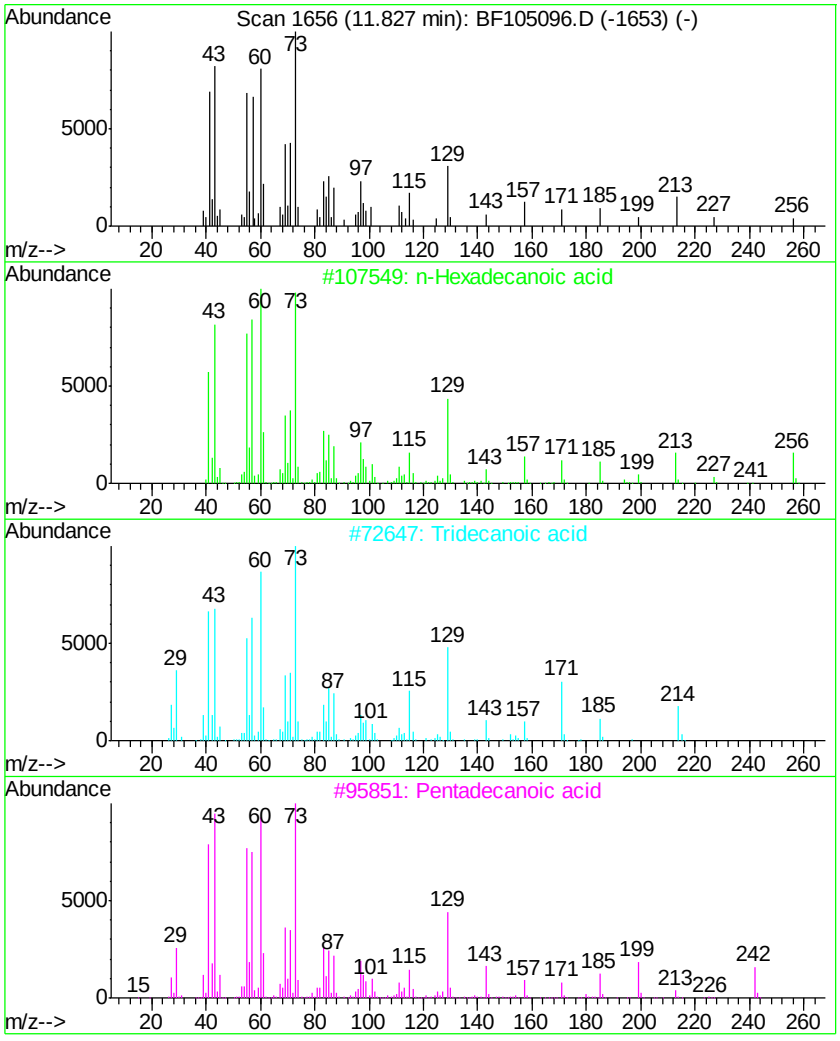
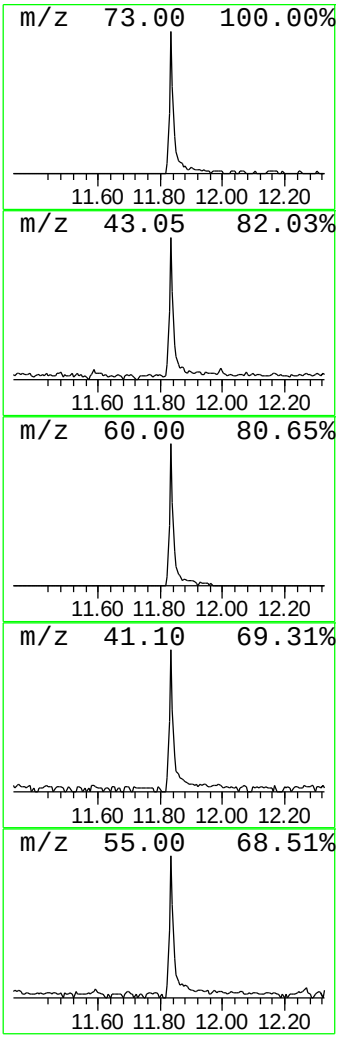
Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.83 | 5.82 ng | 209706 | Phenanthrene-d10 | 11.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 86 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 81 |



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Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-MX-4(120-122)

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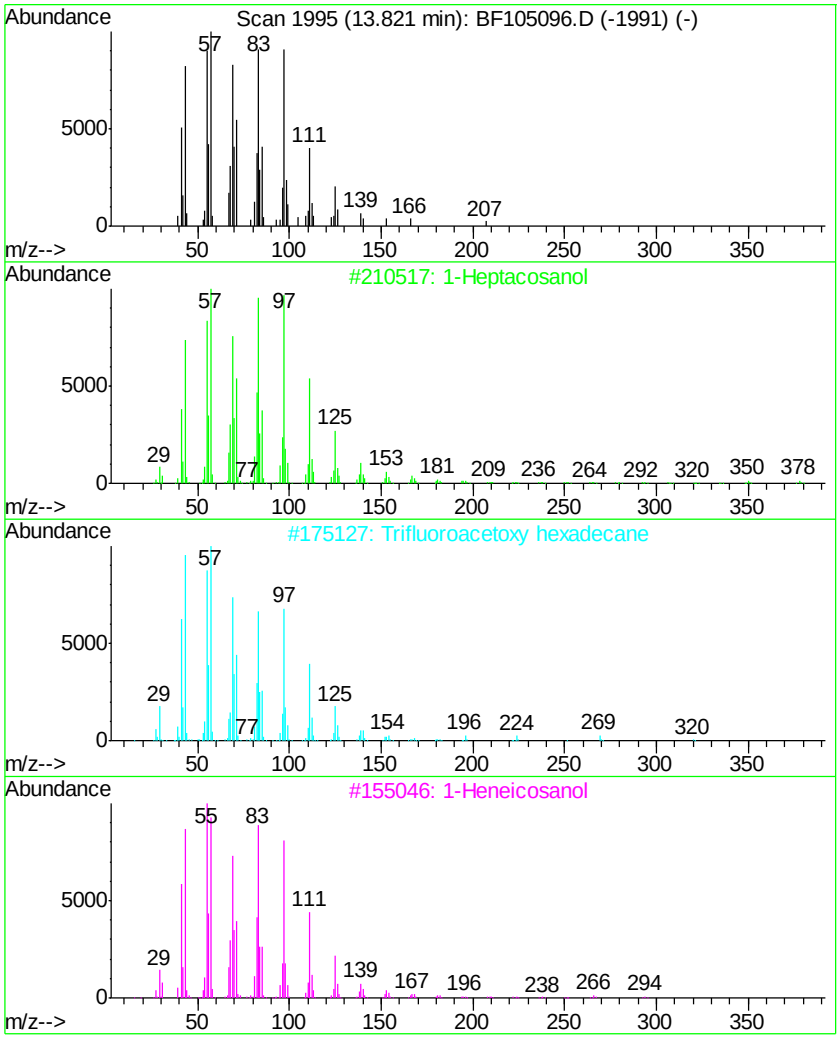
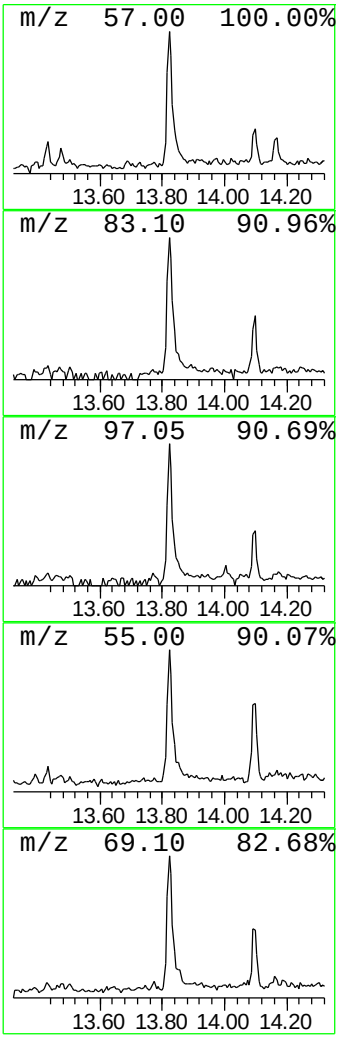
Peak Number 6 1-Heptacosanol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.82 | 5.61 ng | 145817 | Chrysene-d12 | 14.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 5 | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 91 |



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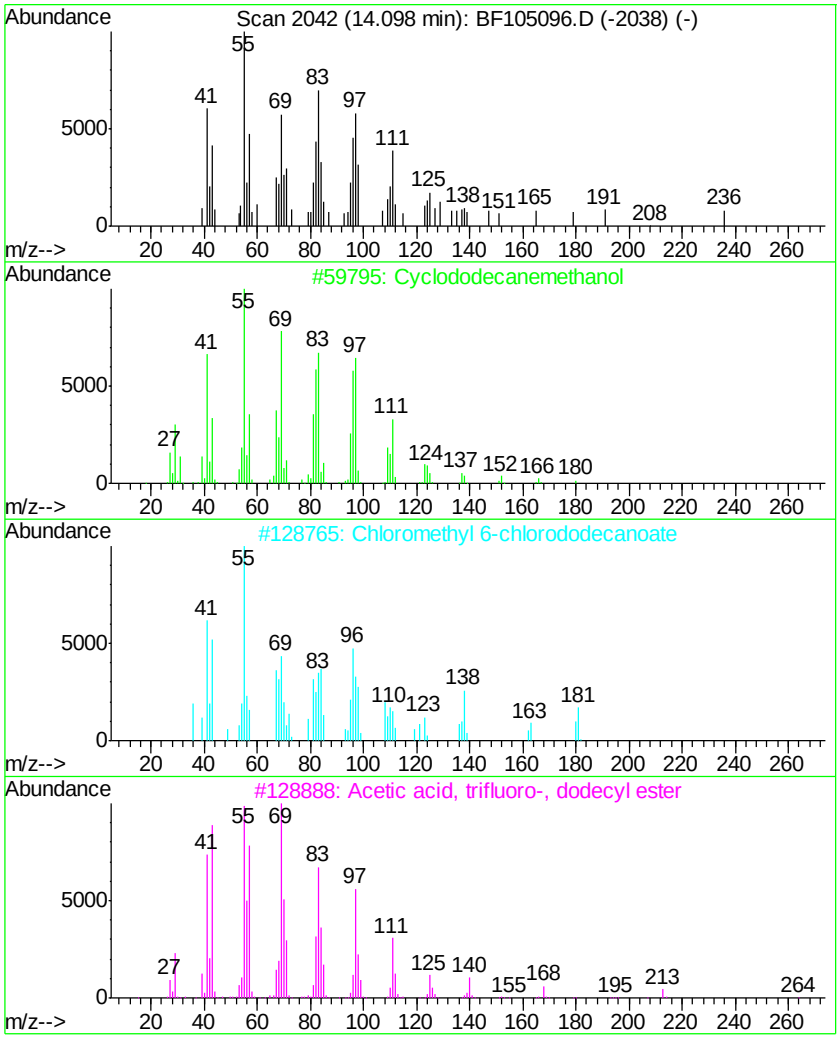
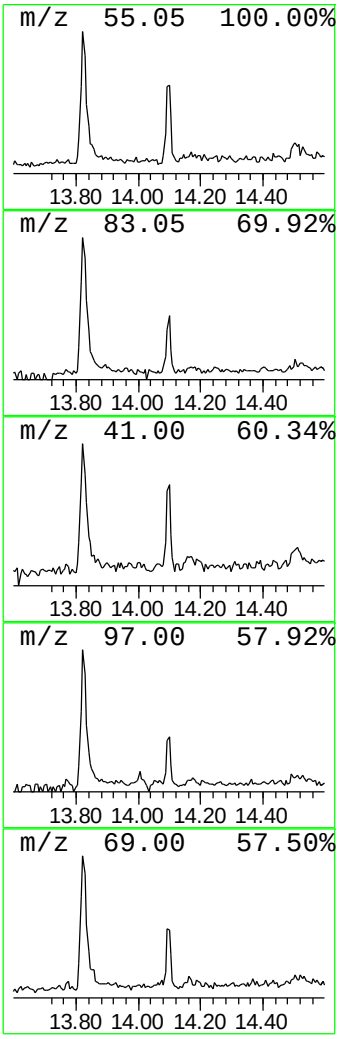
Peak Number 7 Cyclododecanemethanol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.10 | 2.02 ng | 52387 | Chrysene-d12 | 14.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclododecanemethanol | 198 | C13H26O | 001892-12-2 | 62 |
| 2 | Chloromethyl 6-chlorododecanoate | 282 | C13H24Cl2O2 | 080419-02-9 | 52 |
| 3 | Acetic acid, trifluoro-, dodecyl... | 282 | C14H25F3O2 | 006222-00-0 | 50 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 43 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 38 |



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... | 5.00 | 3.5 | ng | 104543 | 1 | 6.78 | 605247 | 20.0 |
| unknown6.56 | 6.56 | 93.3 | ng | 2823410 | 1 | 6.78 | 605247 | 20.0 |
| Hexadecane | 10.71 | 2.1 | ng | 75635 | 4 | 11.31 | 720375 | 20.0 |
| n-Hexadecanoic acid | 11.83 | 5.8 | ng | 209706 | 4 | 11.31 | 720375 | 20.0 |
| 1-Heptacosanol | 13.82 | 5.6 | ng | 145817 | 5 | 14.00 | 519504 | 20.0 |
| Cyclododecanemeth... | 14.10 | 2.0 | ng | 52387 | 5 | 14.00 | 519504 | 20.0 |