LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098611.D
Acq On : 18 Sep 2017 19:30
Operator : SJ/JU
Sample : I5253-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-BPM-01-C7-C8-D7-D8

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-BF091117.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 | 4.816 | 461 | 464 | 483 | rBV | 213854 | 357296 | 11.13% | 1.356% |
| 2 | 5.245 | 533 | 537 | 560 | rBV | 3176447 | 3193966 | 99.47% | 12.122% |
| 3 | 6.292 | 710 | 715 | 718 | rBV | 3029244 | 3107978 | 96.79% | 11.796% |
| 4 | 6.410 | 730 | 735 | 738 | rBV | 3571772 | 3199425 | 99.64% | 12.143% |
| 5 | 6.634 | 769 | 773 | 782 | rVB | 781216 | 647735 | 20.17% | 2.458% |
| 6 | 6.787 | 795 | 799 | 809 | rBV | 2171112 | 1933121 | 60.20% | 7.337% |
| 7 | 7.204 | 865 | 870 | 873 | rBV | 1889394 | 1880550 | 58.56% | 7.137% |
| 8 | 7.916 | 987 | 991 | 1005 | rBV | 1013146 | 844494 | 26.30% | 3.205% |
| 9 | 8.998 | 1169 | 1175 | 1178 | rBV | 3305688 | 3211114 | 100.00% | 12.187% |
| 10 | 9.392 | 1238 | 1242 | 1245 | rBV | 434660 | 336850 | 10.49% | 1.278% |
| 11 | 9.669 | 1285 | 1289 | 1293 | rBV | 970664 | 866500 | 26.98% | 3.289% |
| 12 | 10.104 | 1359 | 1363 | 1366 | rVB | 43836 | 35261 | 1.10% | 0.134% |
| 13 | 10.457 | 1419 | 1423 | 1436 | rVB | 1914614 | 1827941 | 56.93% | 6.938% |
| 14 | 10.575 | 1440 | 1443 | 1452 | rVB | 58315 | 61266 | 1.91% | 0.233% |
| 15 | 11.151 | 1537 | 1541 | 1544 | rBV | 850355 | 788820 | 24.57% | 2.994% |
| 16 | 12.733 | 1805 | 1810 | 1813 | rBV | 3058588 | 2783111 | 86.67% | 10.563% |
| 17 | 13.627 | 1959 | 1962 | 1969 | rBV | 99476 | 112469 | 3.50% | 0.427% |
| 18 | 13.780 | 1984 | 1988 | 1992 | rBV | 678382 | 598912 | 18.65% | 2.273% |
| 19 | 15.174 | 2221 | 2225 | 2235 | rVB | 458400 | 561149 | 17.48% | 2.130% |

Sum of corrected areas: 26347958

LSC Report - Integrated Chromatogram

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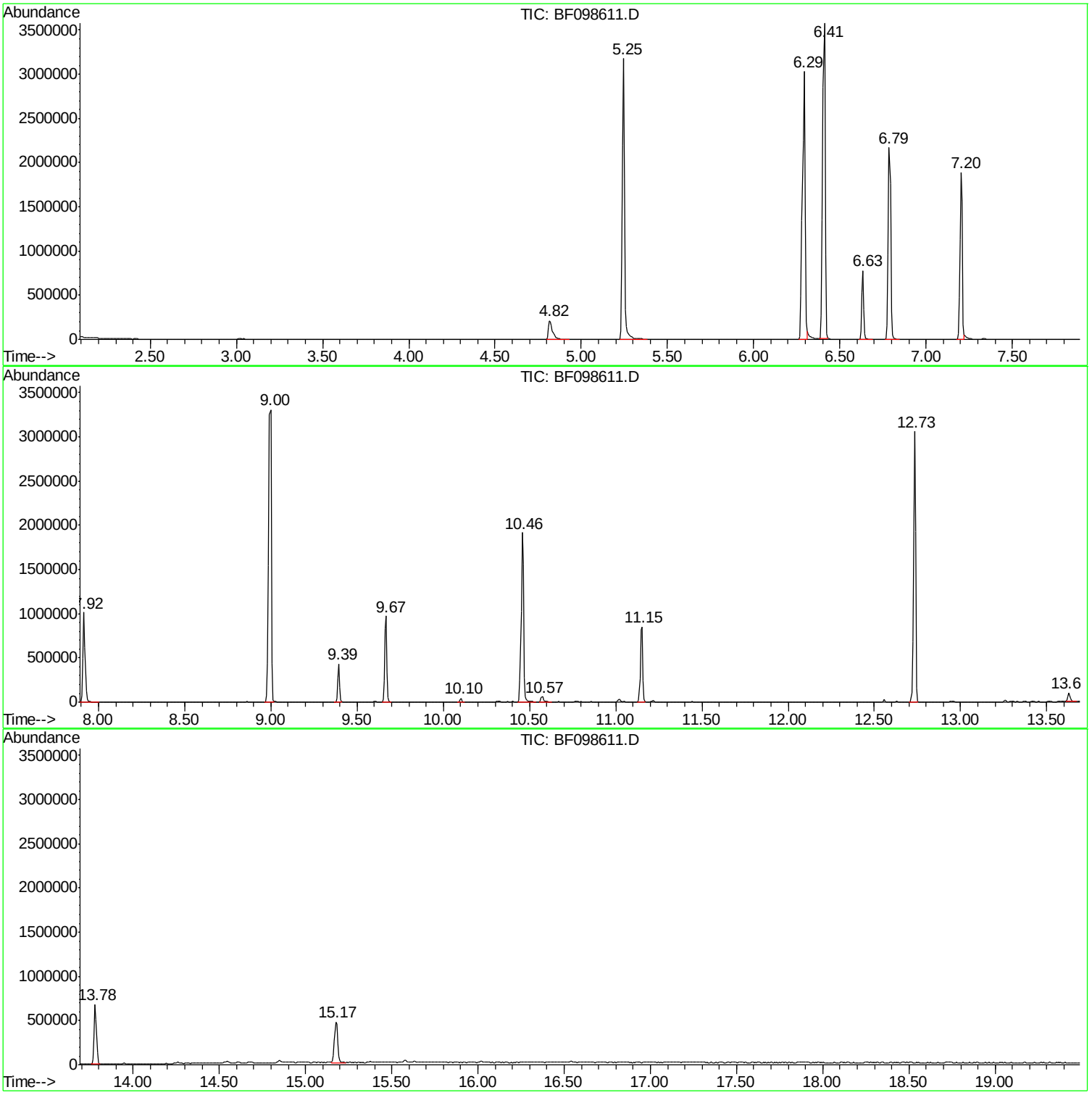
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
FK-BPM-01-C7-C8-D7-D8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098611.D
Acq On : 18 Sep 2017 19:30
Operator : SJ/JU
Sample : I5253-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-BPM-01-C7-C8-D7-D8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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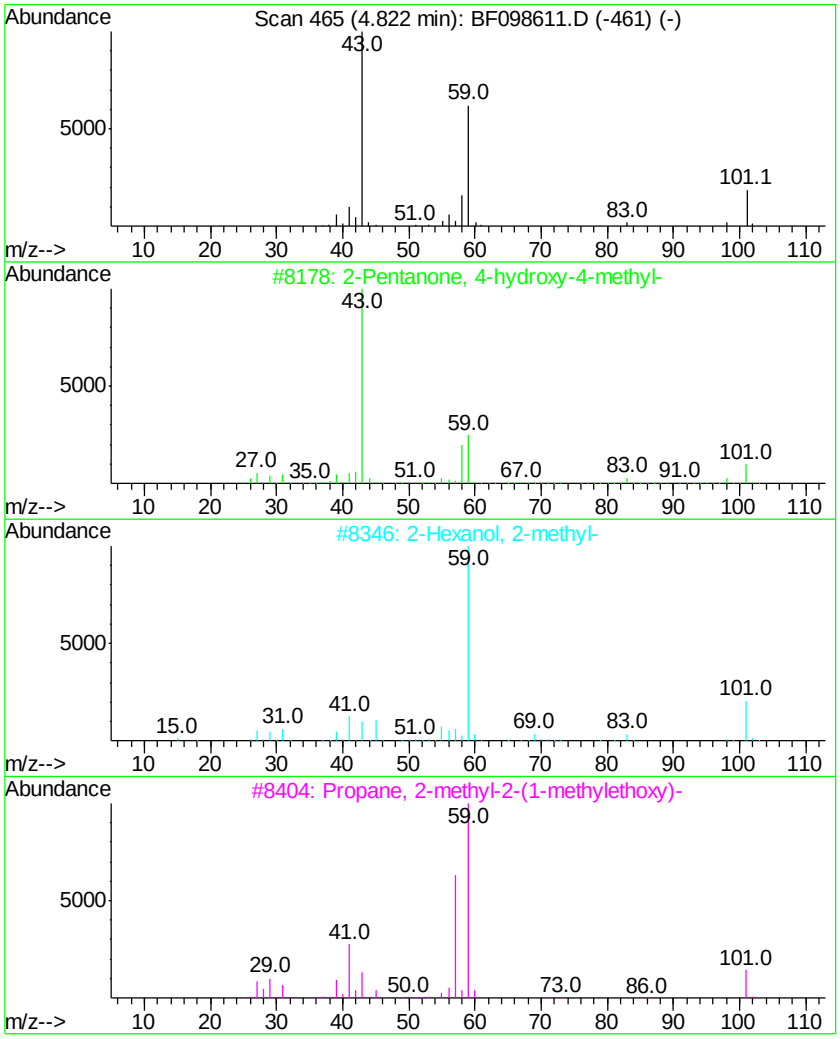
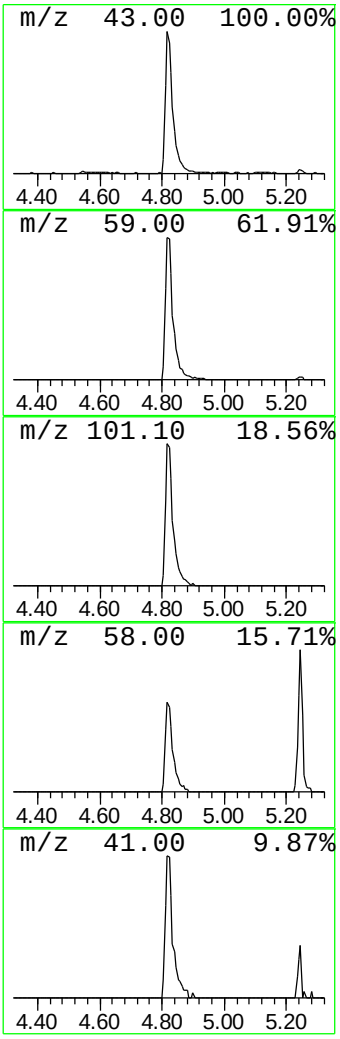
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.82 | 11.03 ng | 357296 | 1,4-Dichlorobenzene-d4 | 6.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28 |



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

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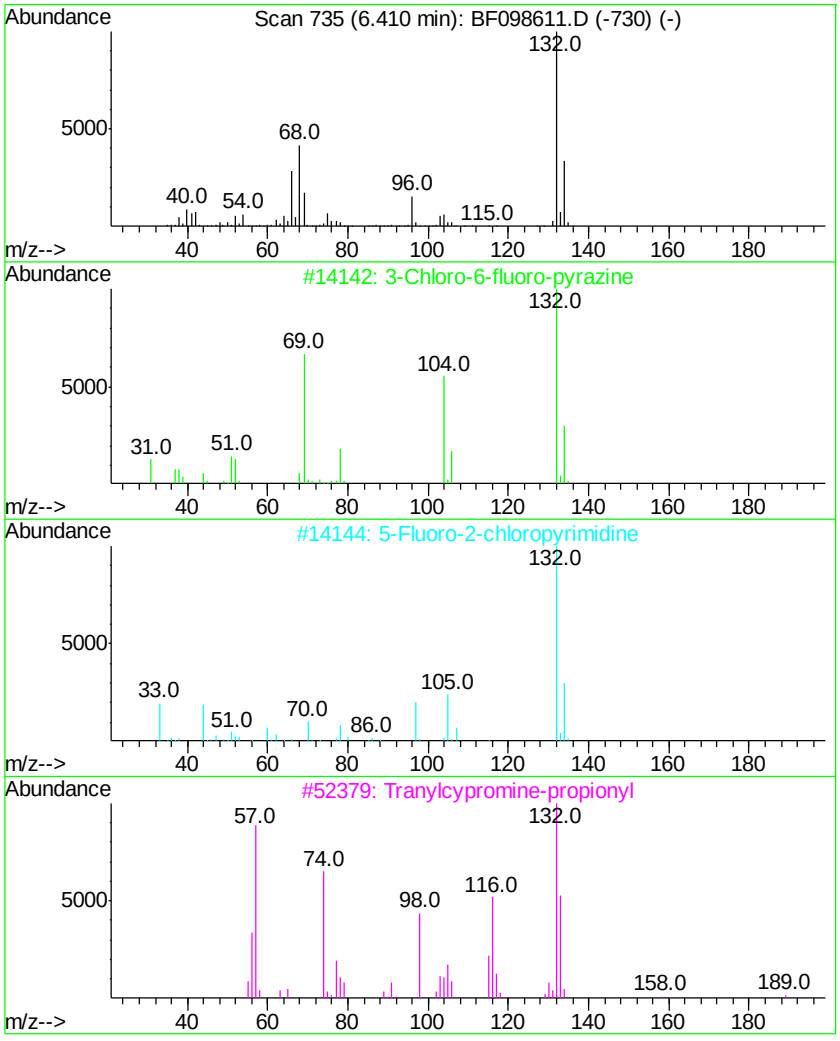
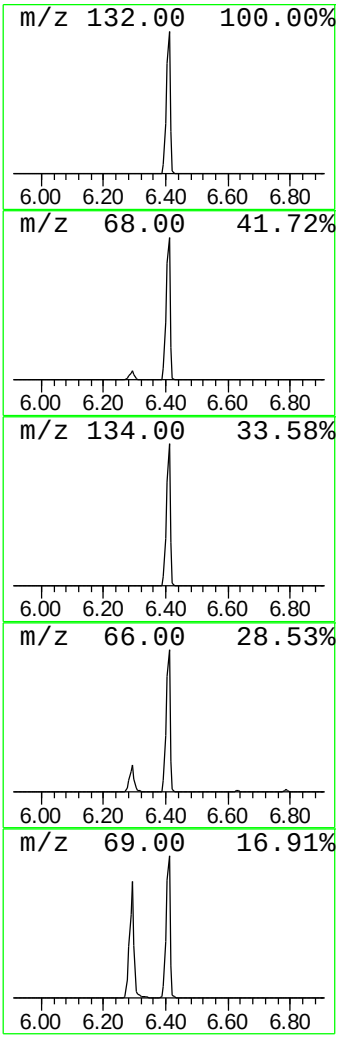
Peak Number 2 unknown6.41 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.41 | 98.79 ng | 3199430 | 1,4-Dichlorobenzene-d4 | 6.63 |

| 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 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



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Operator : SJ/JU
Sample : I5253-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-BPM-01-C7-C8-D7-D8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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TIC Integration Parameters: LSCINT.P

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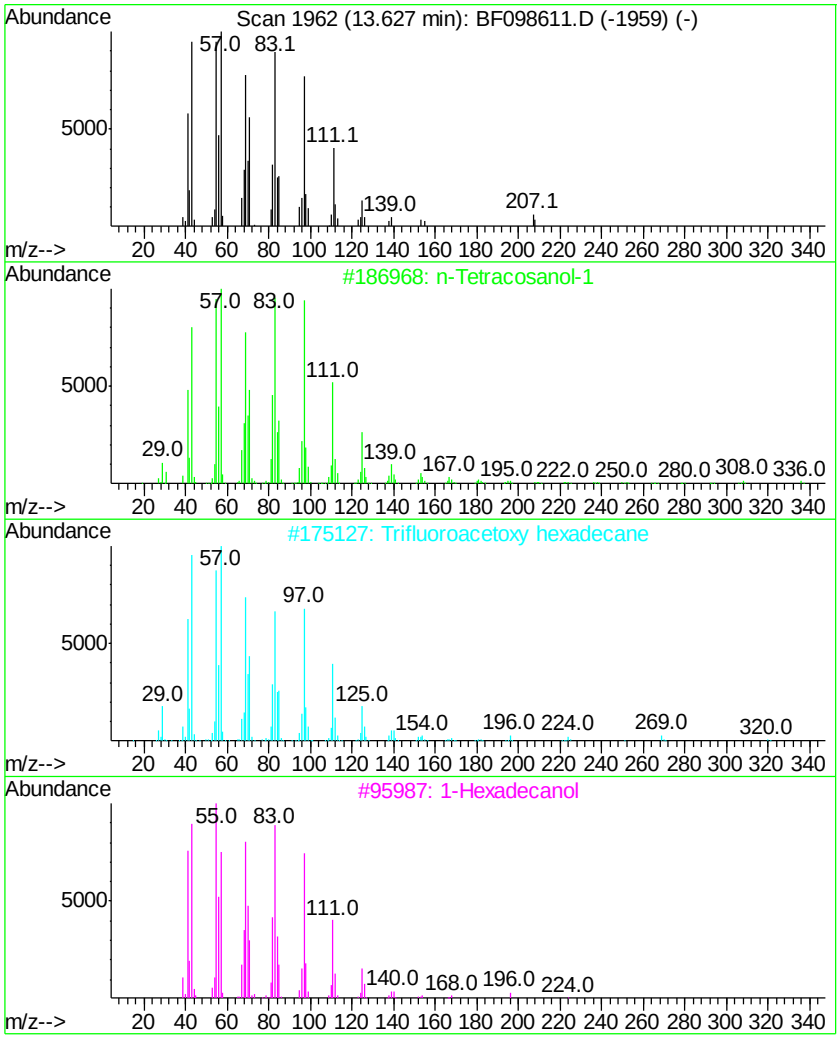
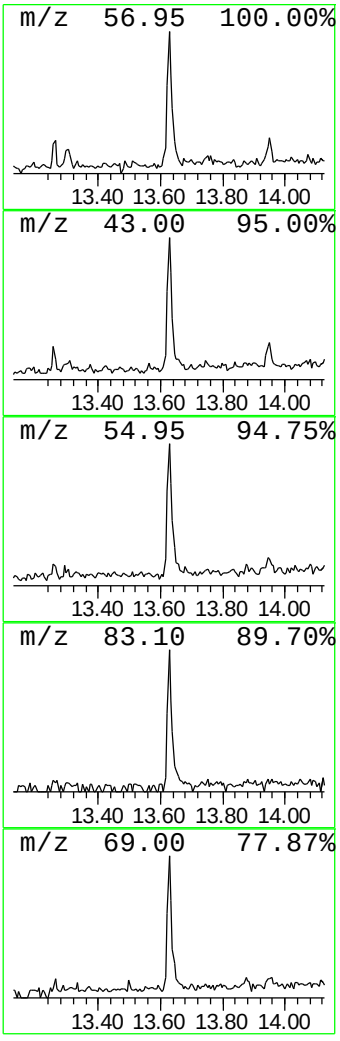
Peak Number 4 n-Tetracosanol-1 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.63 | 3.76 ng | 112469 | Chrysene-d12 | 13.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 3 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 90 |
| 4 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 90 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 90 |



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... | 4.82 | 11.0 | ng | 357296 | 1 | 6.63 | 647735 | 20.0 |
| unknown6.41 | 6.41 | 98.8 | ng | 3199430 | 1 | 6.63 | 647735 | 20.0 |
| n-Tetracosanol-1 | 13.63 | 3.8 | ng | 112469 | 5 | 13.78 | 598912 | 20.0 |