# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
Data File : BM019253.D
Acq On : 20 Mar 2019 04:41
Operator : JU/SJ
Sample : K1948-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PST-025-B126-031319

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.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 | 5.234 | 376 | 382 | 399 | rBV | 3363813 | 5036899 | 38.31% | 7.437% |
| 2 | 6.822 | 644 | 652 | 671 | rBV | 3651225 | 6177876 | 46.98% | 9.122% |
| 3 | 7.169 | 704 | 711 | 726 | rBV | 3654738 | 5864870 | 44.60% | 8.660% |
| 4 | 7.634 | 783 | 790 | 801 | rBV | 569201 | 899846 | 6.84% | 1.329% |
| 5 | 7.951 | 837 | 844 | 854 | rBV | 2494102 | 3936029 | 29.93% | 5.812% |
| 6 | 8.804 | 982 | 989 | 1012 | rBV | 1959813 | 3379041 | 25.70% | 4.989% |
| 7 | 10.422 | 1257 | 1264 | 1282 | rBV | 697869 | 1266795 | 9.63% | 1.870% |
| 8 | 12.904 | 1679 | 1686 | 1701 | rBV | 5660808 | 8310722 | 63.20% | 12.271% |
| 9 | 13.757 | 1825 | 1831 | 1842 | rBV | 423428 | 703241 | 5.35% | 1.038% |
| 10 | 14.292 | 1915 | 1922 | 1936 | rVB2 | 1255945 | 1923833 | 14.63% | 2.841% |
| 11 | 15.792 | 2171 | 2177 | 2192 | rBV | 5317930 | 7538600 | 57.33% | 11.131% |
| 12 | 17.045 | 2384 | 2390 | 2403 | rBV2 | 1589048 | 2411413 | 18.34% | 3.561% |
| 13 | 17.939 | 2537 | 2542 | 2553 | rBV | 322188 | 538658 | 4.10% | 0.795% |
| 14 | 19.227 | 2757 | 2761 | 2775 | rBV | 113610 | 242148 | 1.84% | 0.358% |
| 15 | 19.686 | 2833 | 2839 | 2853 | rBV | 10467911 | 13149304 | 100.00% | 19.416% |
| 16 | 20.950 | 3049 | 3054 | 3067 | rBV | 565448 | 898908 | 6.84% | 1.327% |
| 17 | 21.244 | 3099 | 3104 | 3117 | rBV | 1892328 | 2724741 | 20.72% | 4.023% |
| 18 | 22.268 | 3275 | 3278 | 3283 | rVB | 143039 | 175140 | 1.33% | 0.259% |
| 19 | 22.768 | 3360 | 3363 | 3368 | rVB | 180744 | 215876 | 1.64% | 0.319% |
| 20 | 23.327 | 3455 | 3458 | 3463 | rVB | 144286 | 194771 | 1.48% | 0.288% |
| 21 | 23.474 | 3477 | 3483 | 3494 | rVB2 | 1112099 | 2137050 | 16.25% | 3.155% |

Sum of corrected areas: 67725761

LSC Report - Integrated Chromatogram

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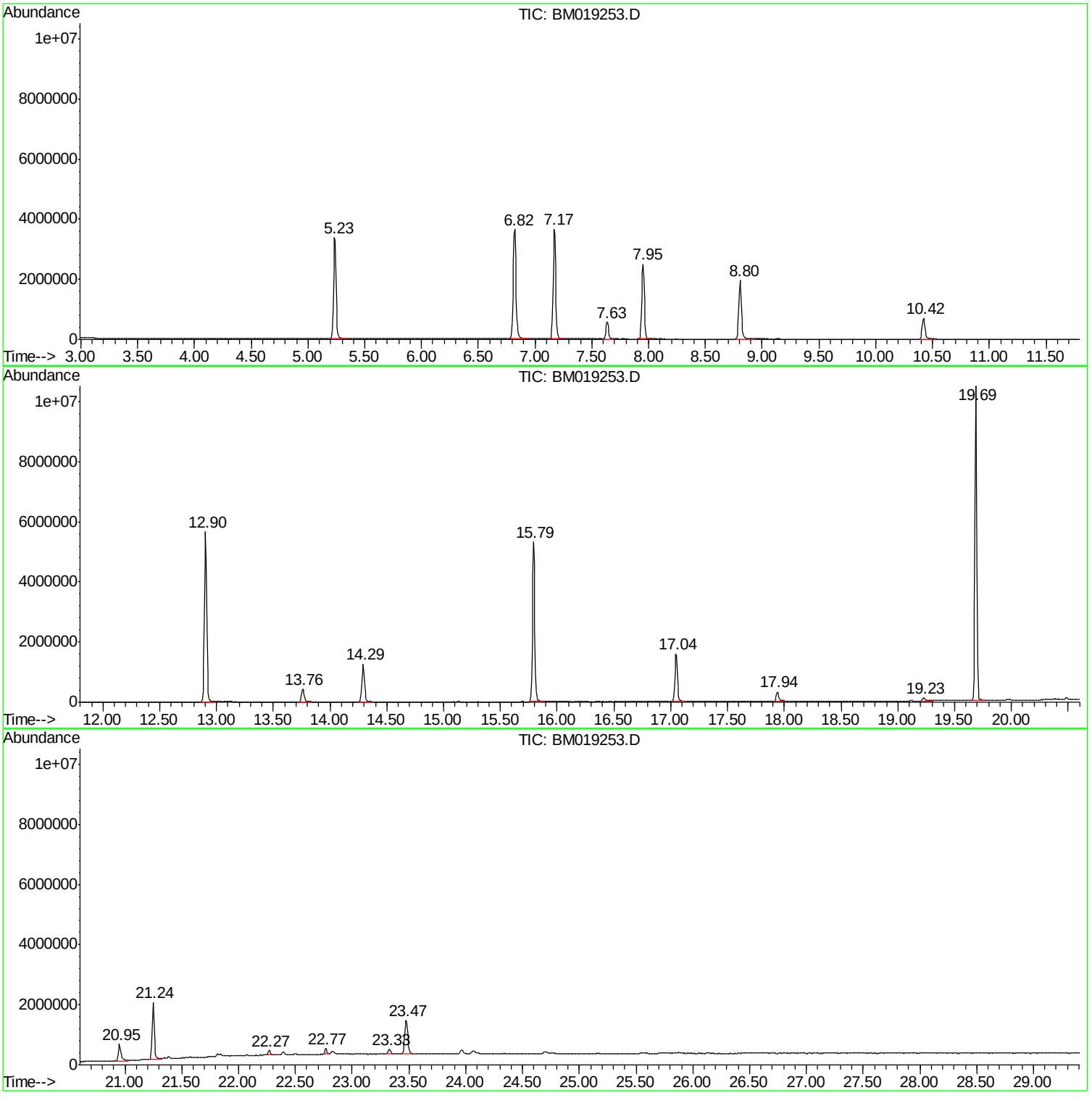
**Instrument :**
BNA_M
**ClientSampleId :**
PST-025-B126-031319

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.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

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**Instrument :**
BNA_M
**ClientSampleId :**
PST-025-B126-031319

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

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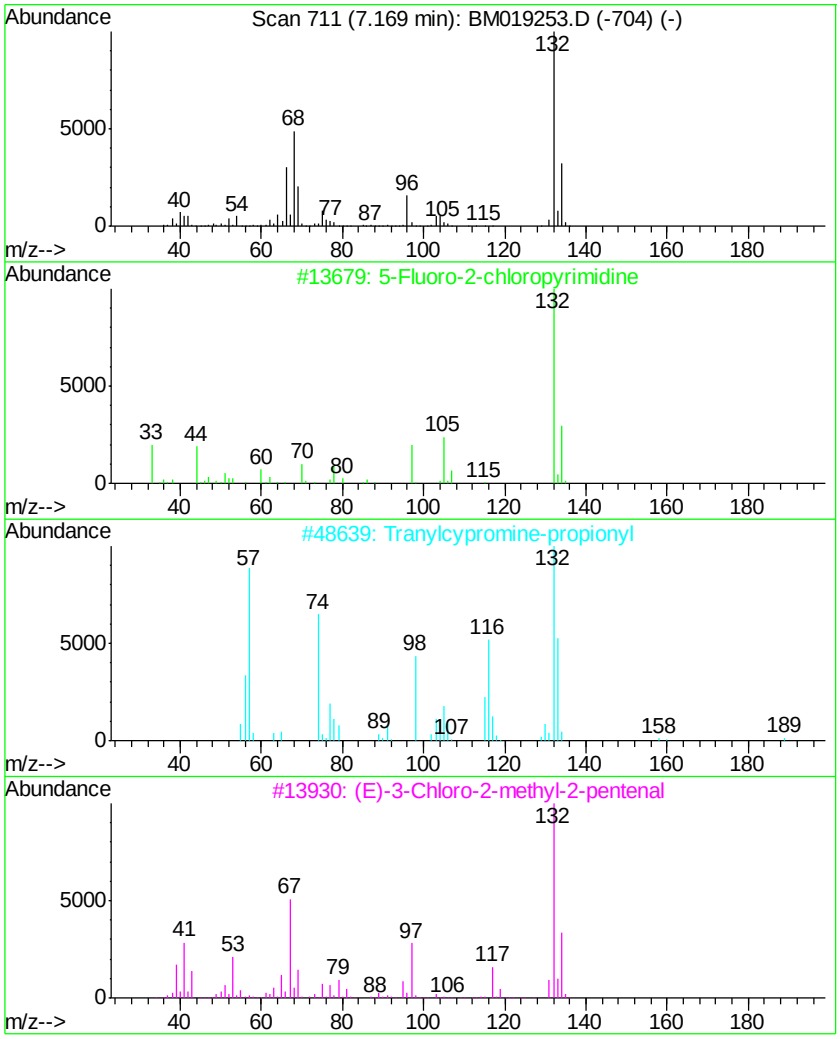
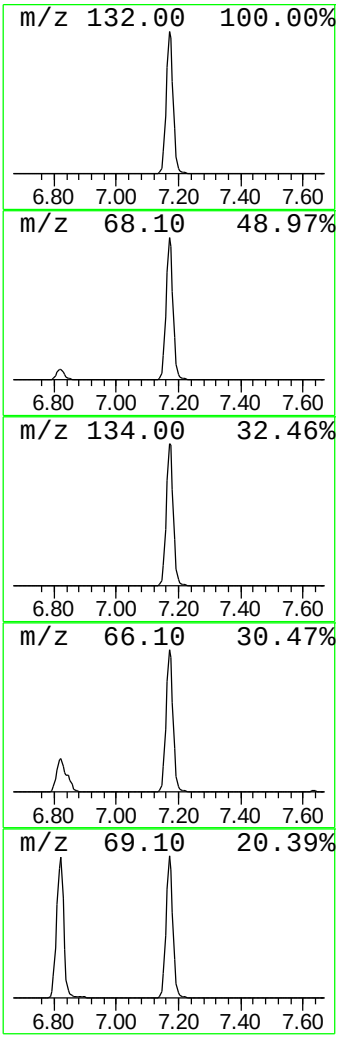
Peak Number 1 unknown7.17 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.17 | 130.35 ng | 5864870 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 4 | Benzene, 1,2,4-trifluoro- | 132 | C6H3F3 | 000367-23-7 | 9 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



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**ClientSampleId :**
PST-025-B126-031319

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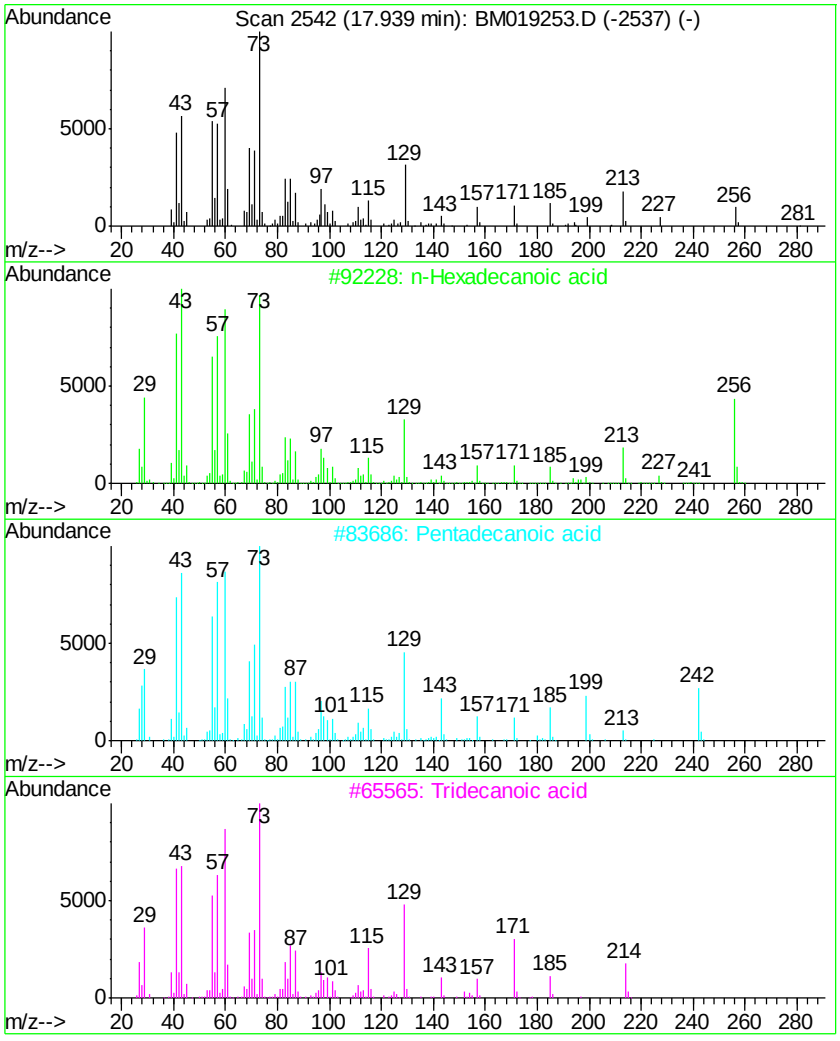
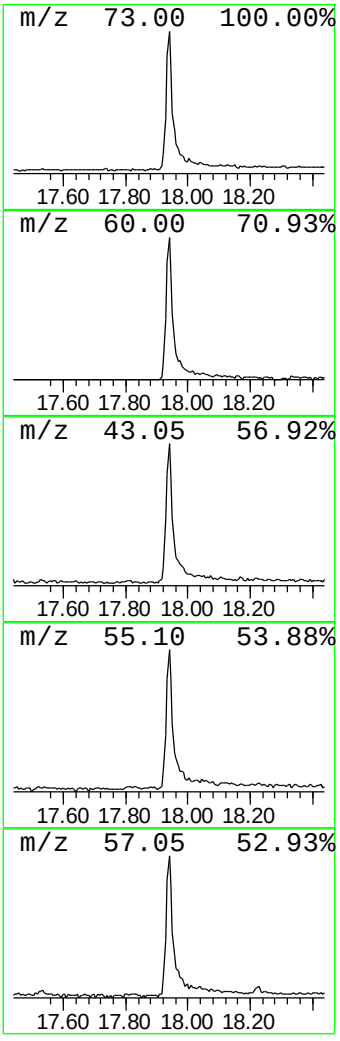
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.94 | 4.47 ng | 538658 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 55 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 38 |
| 5 | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 18 |



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Misc :
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**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.M
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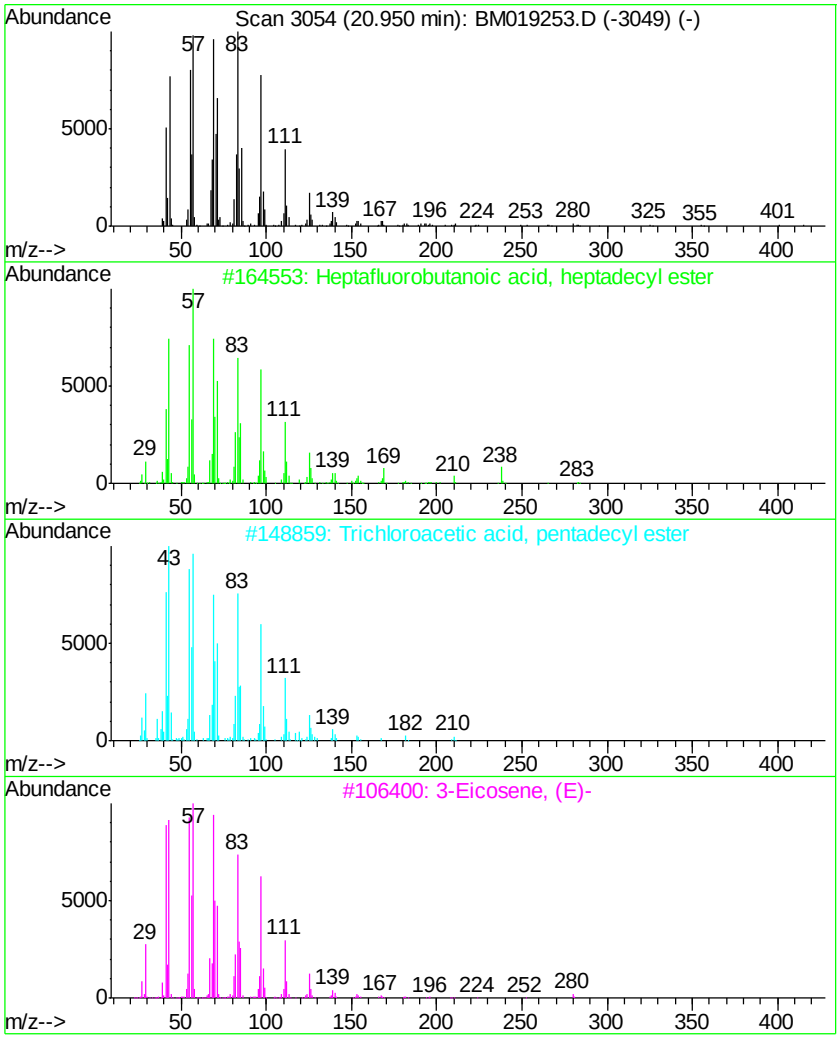
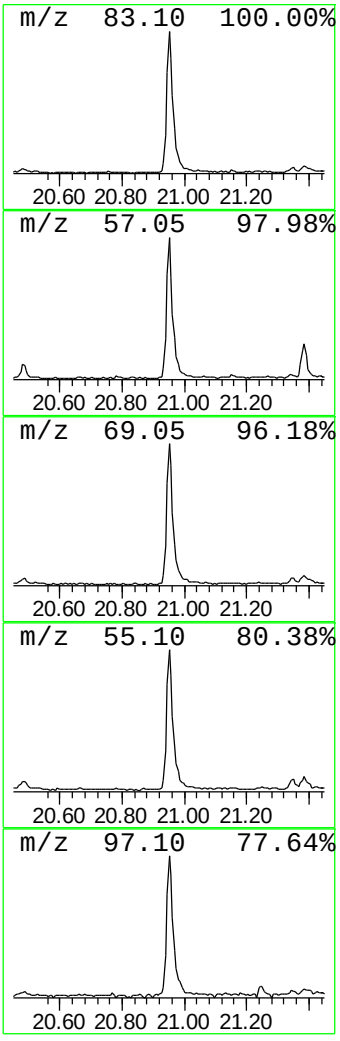
**********

Peak Number 4 Heptafluorobutanoic acid, h... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.95 | 6.60 ng | 898908 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 91 |
| 2 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |



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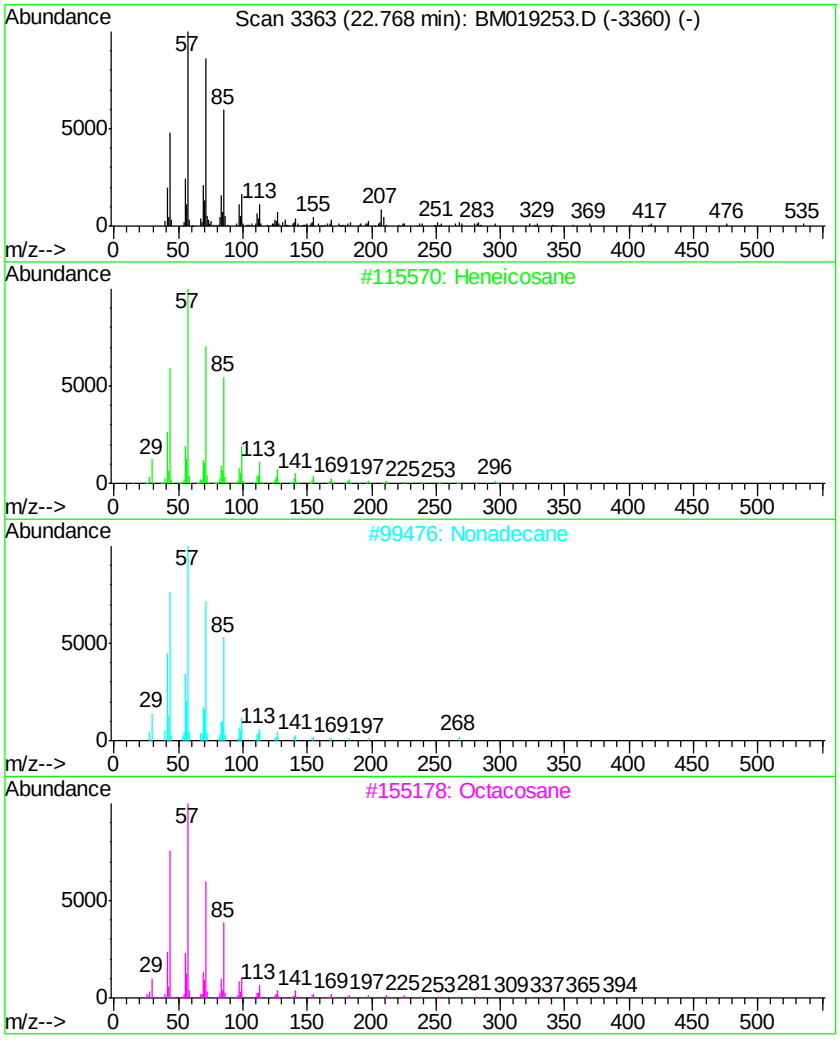
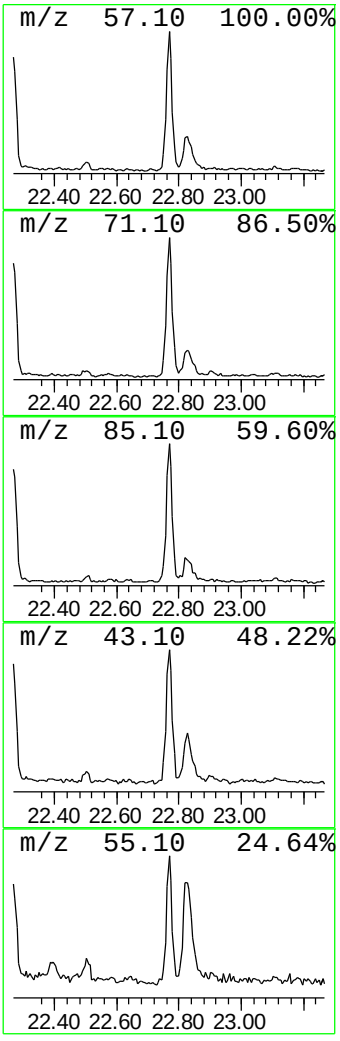
Peak Number 5 Heneicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.77 | 2.02 ng | 215876 | Perylene-d12 | 23.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 90 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown7.17 | 7.17 | 130.3 | ng | 5864870 | 1 | 7.63 | 899846 | 20.0 |
| n-Hexadecanoic acid | 17.94 | 4.5 | ng | 538658 | 4 | 17.04 | 2411410 | 20.0 |
| Heptafluorobutano... | 20.95 | 6.6 | ng | 898908 | 5 | 21.24 | 2724740 | 20.0 |
| Heneicosane | 22.77 | 2.0 | ng | 215876 | 6 | 23.47 | 2137050 | 20.0 |