# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120919\
Data File : BP001276.D
Acq On : 09 Dec 2019 18:17
Operator : JU
Sample : K6187-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

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_P\METHODS\8270-BP112719.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 | 5.628 | 592 | 602 | 618 | rBV | 343847 | 599263 | 16.90% | 2.173% |
| 2 | 6.222 | 696 | 703 | 707 | rBV | 2006845 | 2554154 | 72.05% | 9.262% |
| 3 | 7.763 | 957 | 965 | 972 | rBV | 2088778 | 2944354 | 83.05% | 10.677% |
| 4 | 7.952 | 990 | 997 | 1001 | rBV | 2115933 | 2740820 | 77.31% | 9.939% |
| 5 | 8.304 | 1052 | 1057 | 1065 | rBV | 399022 | 474461 | 13.38% | 1.721% |
| 6 | 8.551 | 1092 | 1099 | 1103 | rBV | 1835467 | 2113739 | 59.62% | 7.665% |
| 7 | 9.193 | 1200 | 1208 | 1212 | rBV | 1455400 | 1806633 | 50.96% | 6.552% |
| 8 | 10.340 | 1397 | 1403 | 1410 | rBV | 473750 | 563984 | 15.91% | 2.045% |
| 9 | 12.122 | 1697 | 1706 | 1710 | rBV | 2671056 | 3181162 | 89.73% | 11.536% |
| 10 | 12.787 | 1814 | 1819 | 1827 | rBV | 133158 | 156099 | 4.40% | 0.566% |
| 11 | 13.204 | 1884 | 1890 | 1902 | rBV | 571214 | 681449 | 19.22% | 2.471% |
| 12 | 14.498 | 2103 | 2110 | 2126 | rBV | 1851560 | 2385771 | 67.30% | 8.652% |
| 13 | 15.598 | 2292 | 2297 | 2309 | rVB | 629052 | 731988 | 20.65% | 2.654% |
| 14 | 16.492 | 2445 | 2449 | 2460 | rBV2 | 95805 | 145143 | 4.09% | 0.526% |
| 15 | 17.886 | 2680 | 2686 | 2690 | rBV | 3204475 | 3545082 | 100.00% | 12.856% |
| 16 | 19.122 | 2891 | 2896 | 2911 | rBV2 | 225952 | 540353 | 15.24% | 1.960% |
| 17 | 19.239 | 2911 | 2916 | 2922 | rVB | 600094 | 692431 | 19.53% | 2.511% |
| 18 | 19.533 | 2962 | 2966 | 2976 | rBV | 42647 | 51973 | 1.47% | 0.188% |
| 19 | 19.921 | 3028 | 3032 | 3036 | rBV | 69005 | 80482 | 2.27% | 0.292% |
| 20 | 20.298 | 3092 | 3096 | 3104 | rBV | 112381 | 133948 | 3.78% | 0.486% |
| 21 | 20.692 | 3159 | 3163 | 3168 | rBV | 115196 | 148386 | 4.19% | 0.538% |
| 22 | 21.016 | 3212 | 3218 | 3225 | rVB | 521918 | 693339 | 19.56% | 2.514% |
| 23 | 21.127 | 3232 | 3237 | 3245 | rBV | 109930 | 163205 | 4.60% | 0.592% |
| 24 | 21.627 | 3316 | 3322 | 3328 | rBV | 100591 | 165069 | 4.66% | 0.599% |
| 25 | 21.704 | 3329 | 3335 | 3341 | rBV4 | 41451 | 119923 | 3.38% | 0.435% |
| 26 | 22.198 | 3413 | 3419 | 3431 | rBV3 | 52619 | 121052 | 3.41% | 0.439% |
| 27 | 22.868 | 3527 | 3533 | 3539 | rVB4 | 18744 | 41215 | 1.16% | 0.149% |

Sum of corrected areas: 27575478

LSC Report - Integrated Chromatogram

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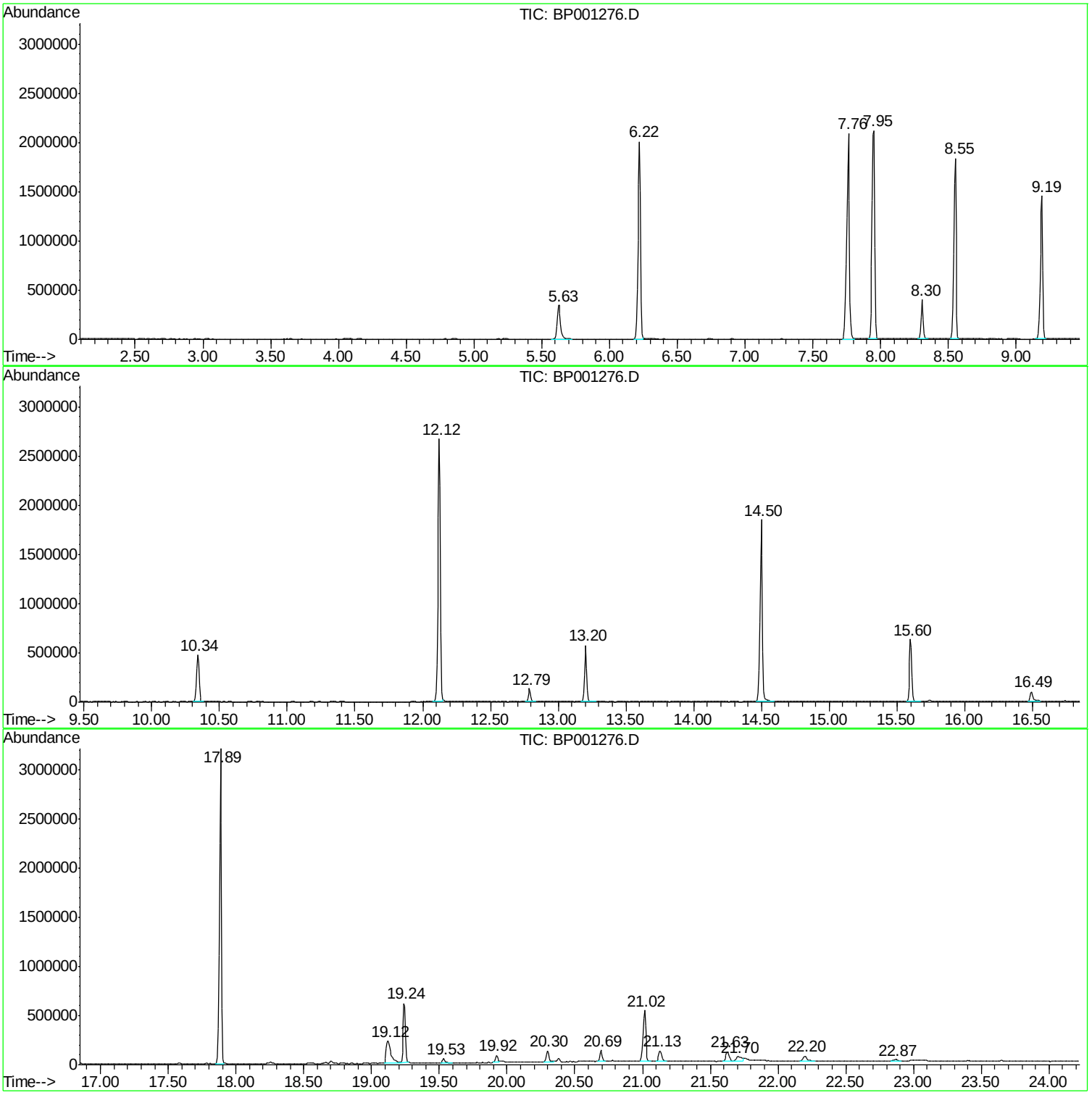
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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

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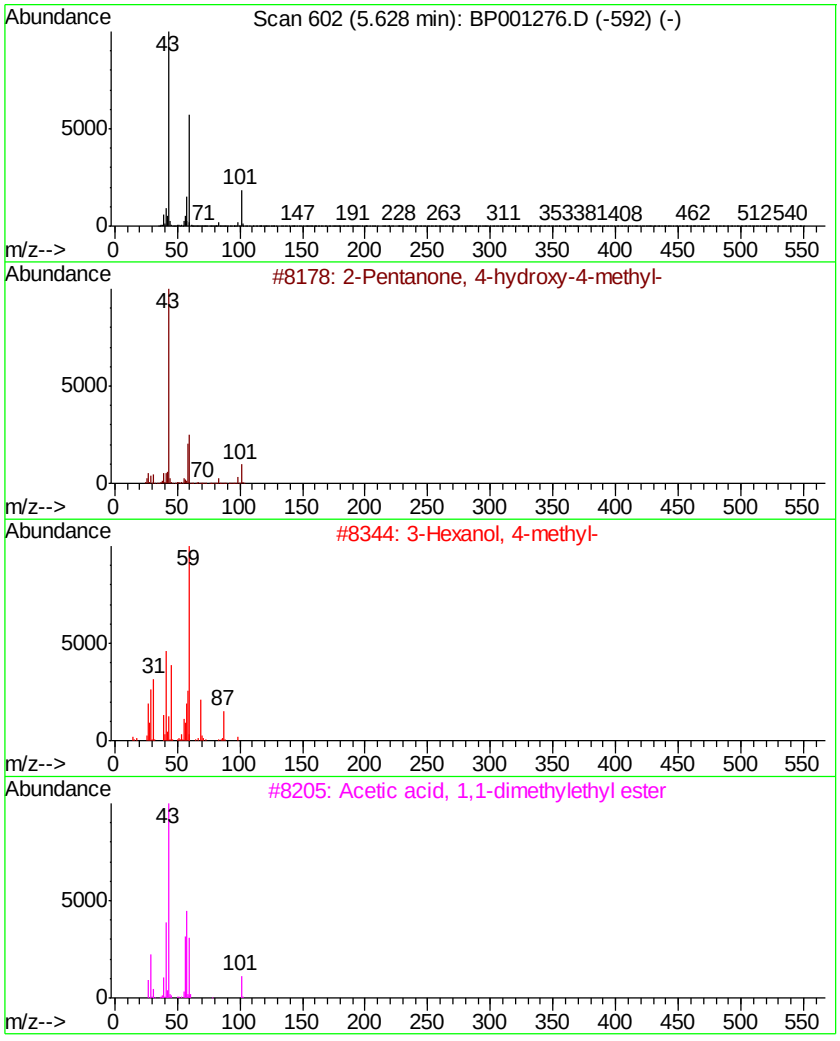
TIC Integration Parameters: LSCINT.P

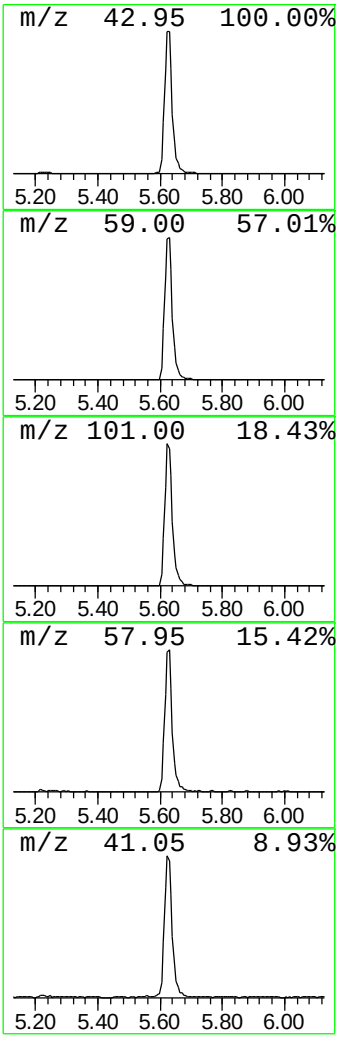
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.63 | 25.26 ng | 599263 | 1,4-Dichlorobenzene-d4 | 8.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 10 |



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**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

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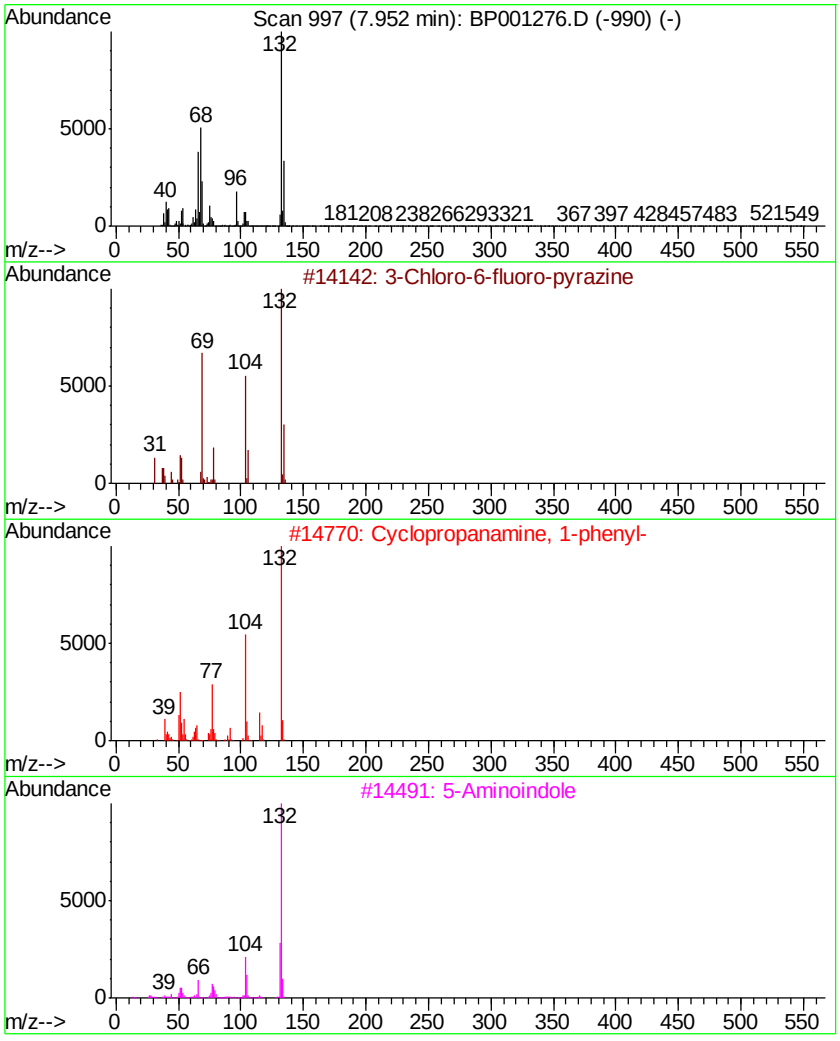
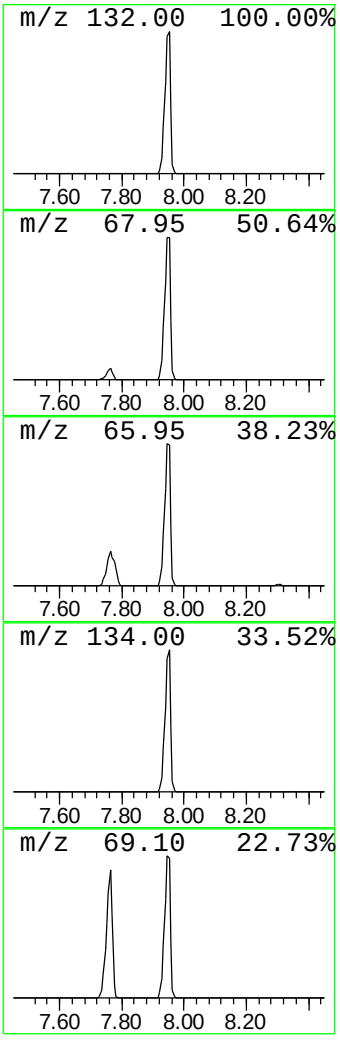
Peak Number 2 unknown7.95 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.95 | 115.53 ng | 2740820 | 1,4-Dichlorobenzene-d4 | 8.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 10 |
| 2 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 10 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 4 | 1,2,4-Trifluorobenzene | 132 | C6H3F3 | 000367-23-7 | 9 |
| 5 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 9 |



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Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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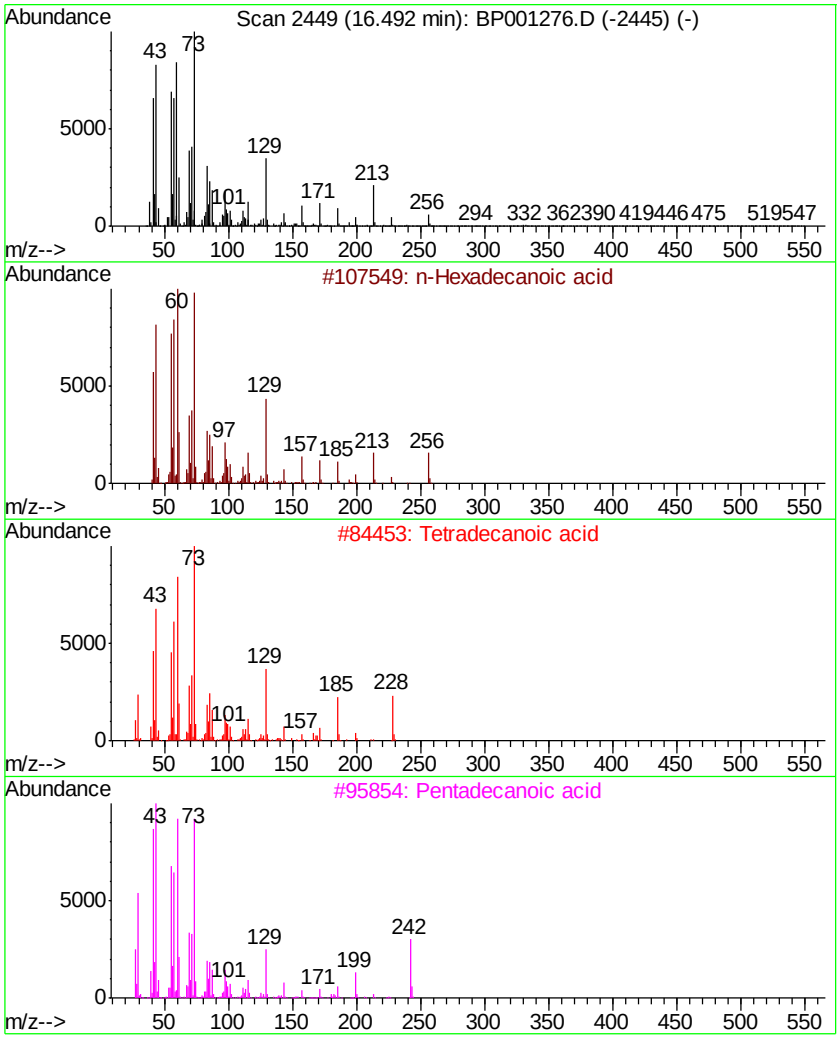
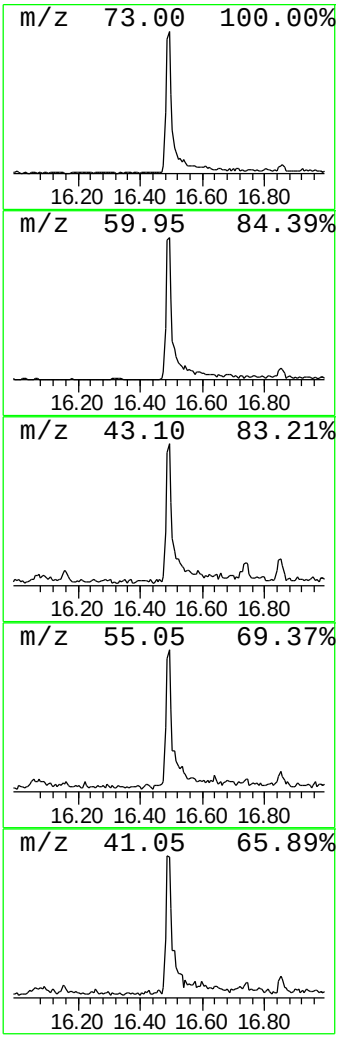
Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.49 | 3.97 ng | 145143 | Phenanthrene-d10 | 15.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 80 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 47 |



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Sample : K6187-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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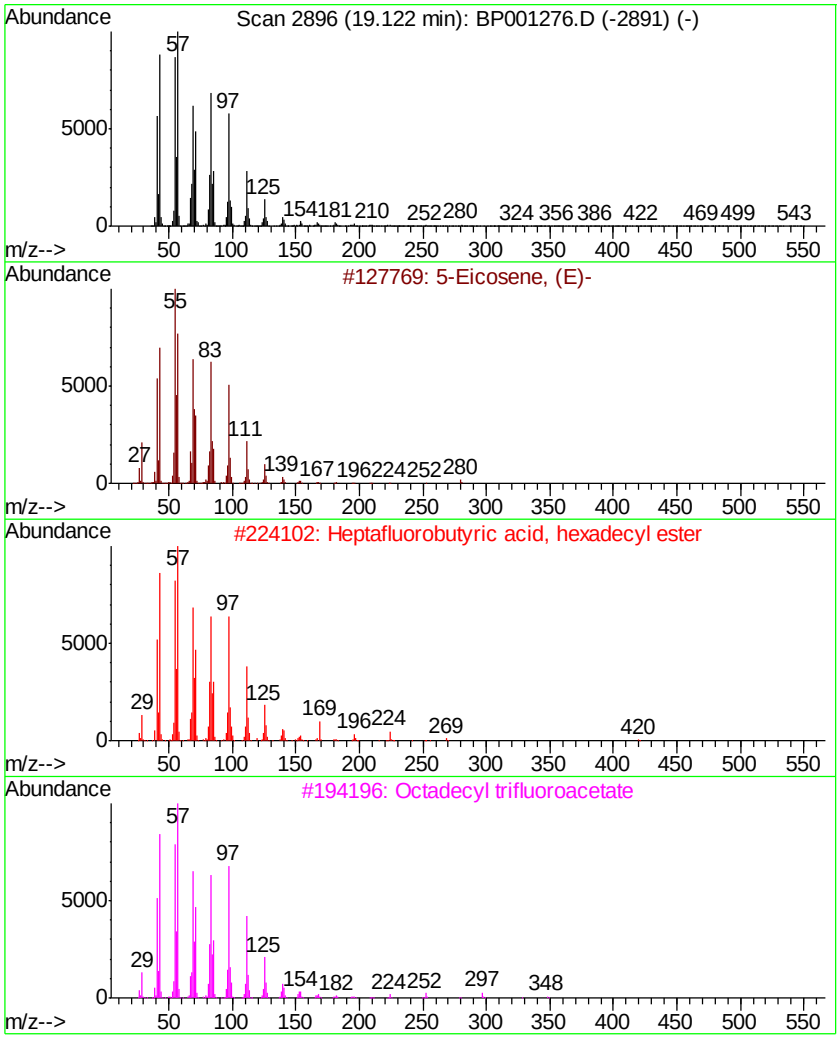
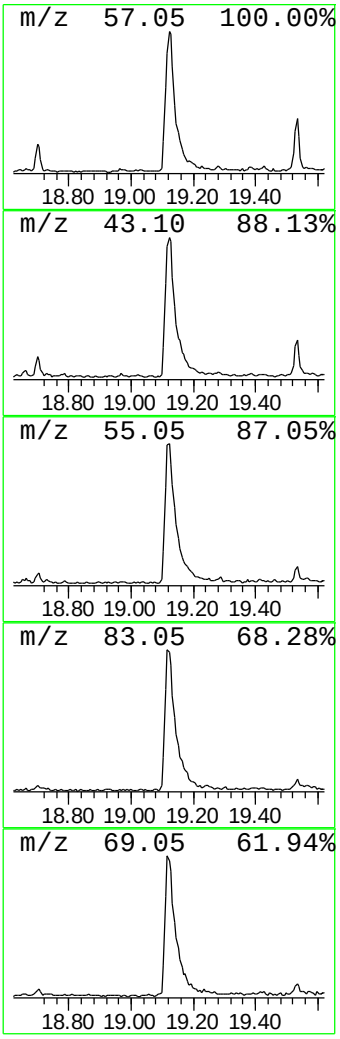
**********

Peak Number 5 5-Eicosene, (E)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.12 | 15.61 ng | 540353 | Chrysene-d12 | 19.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 2 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 94 |
| 3 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 94 |
| 4 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 94 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |



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Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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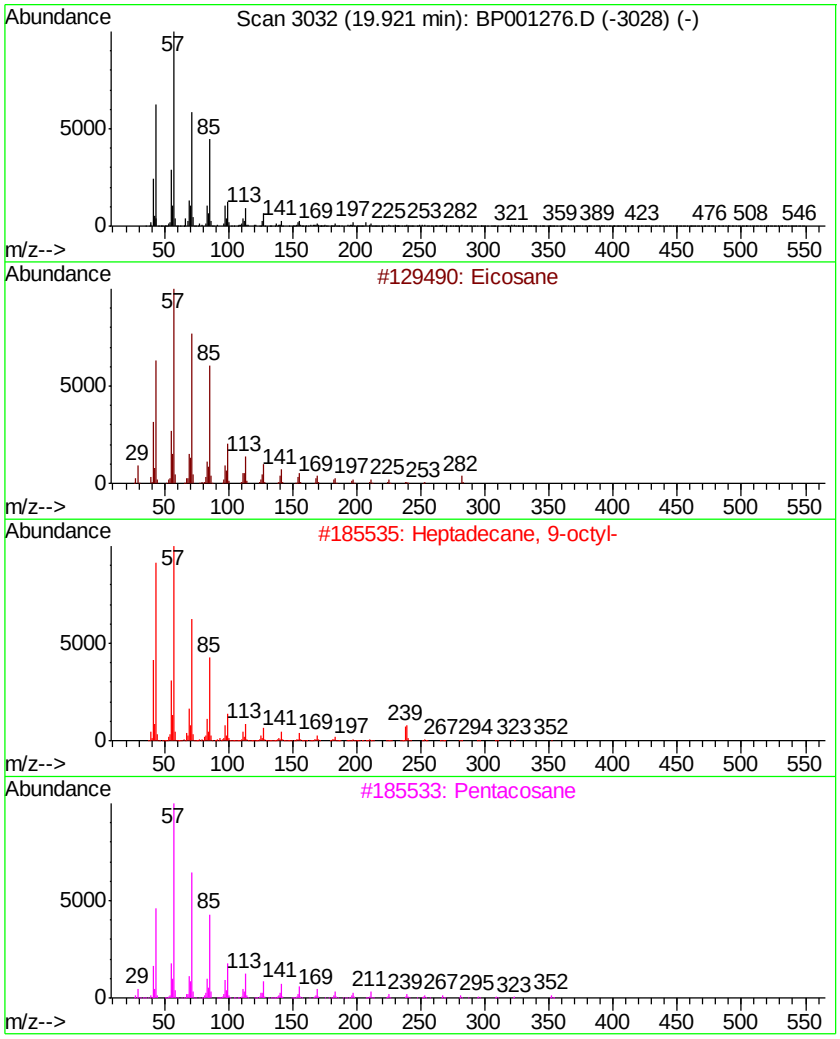
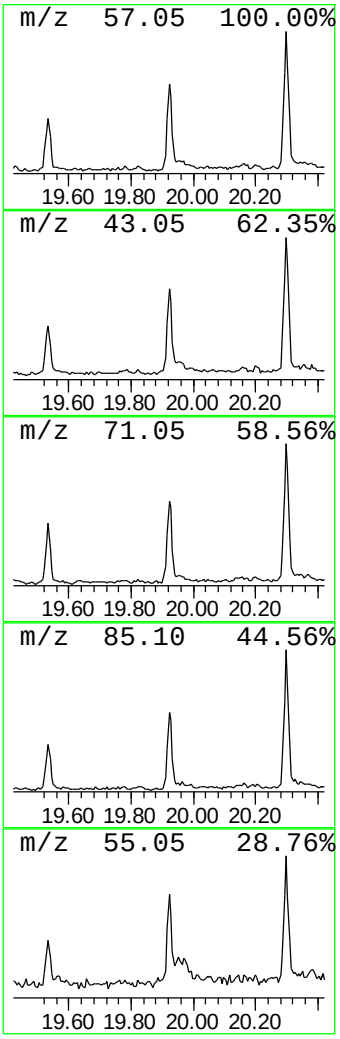
**********

Peak Number 6 Eicosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.92 | 2.32 ng | 80482 | Chrysene-d12 | 19.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



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**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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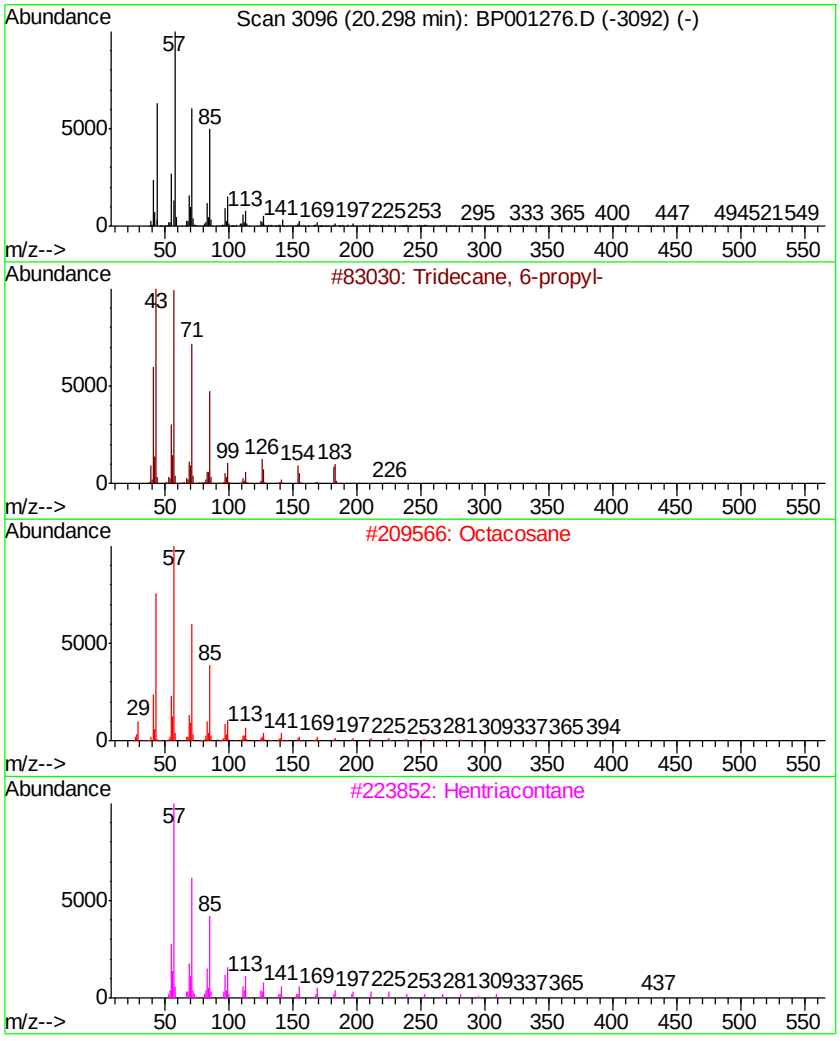
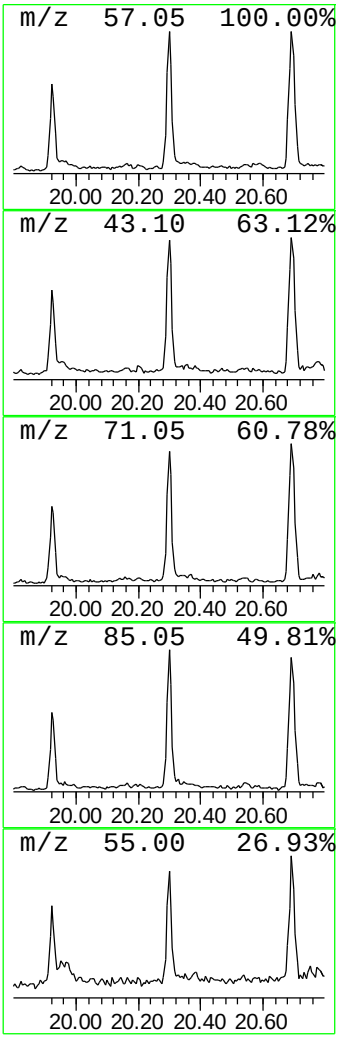
**********

Peak Number 7 Tridecane, 6-propyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.30 | 3.86 ng | 133948 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 90 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 81 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 74 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 74 |



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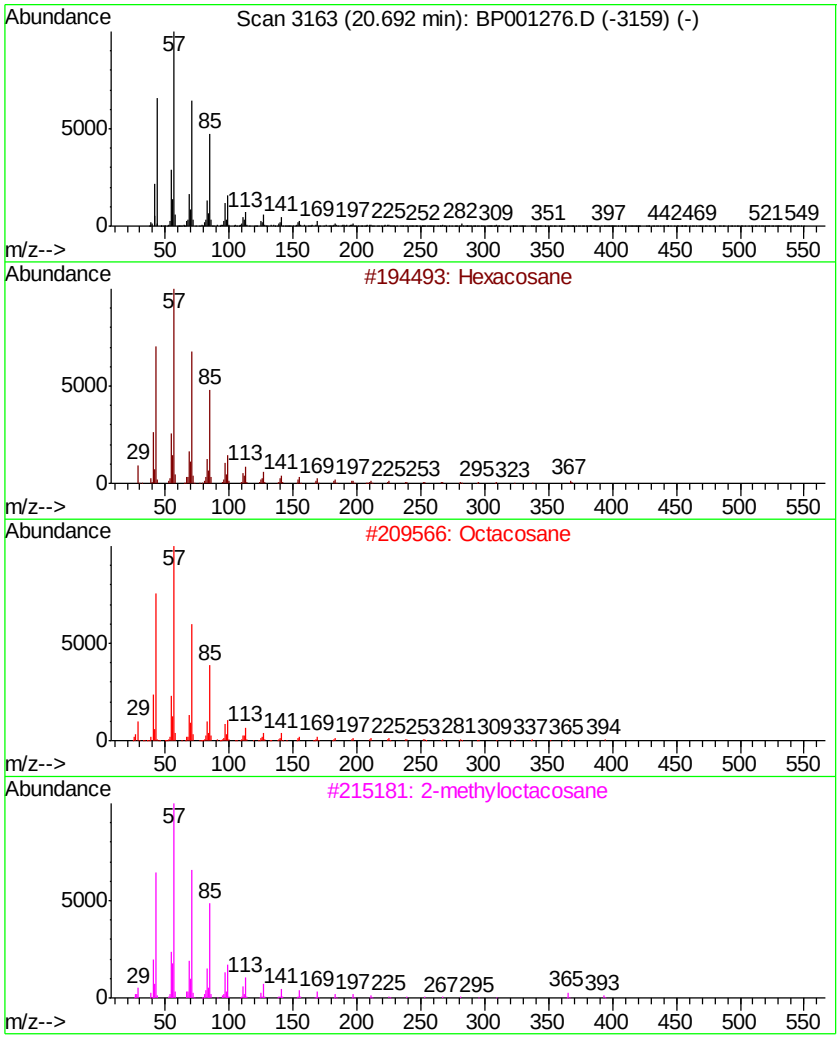
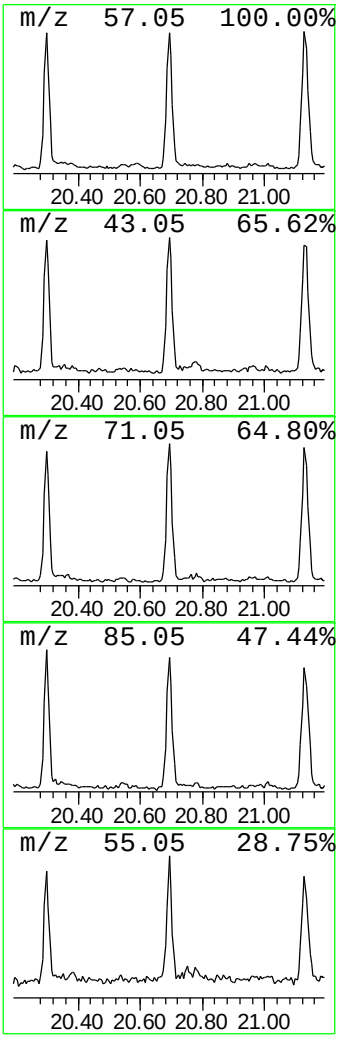
**********

Peak Number 8 Hexacosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.69 | 4.28 ng | 148386 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Docosane, 11-decyl- | 451 | C32H66 | 055401-55-3 | 91 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |



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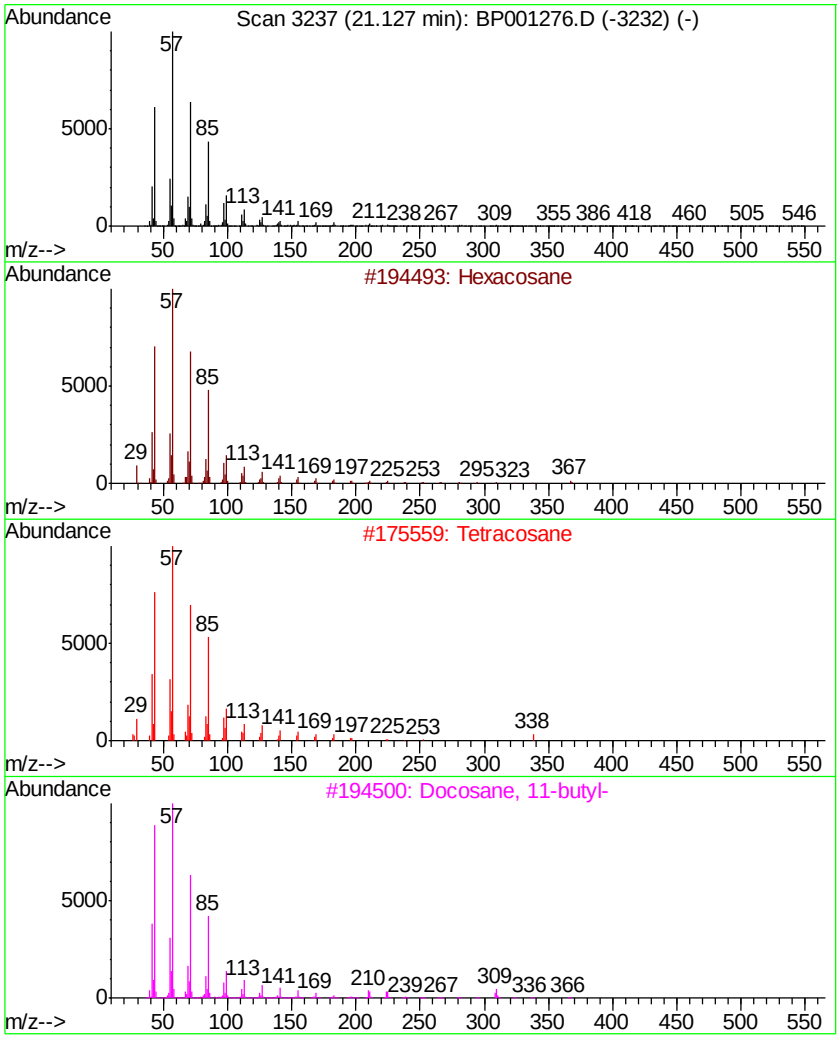
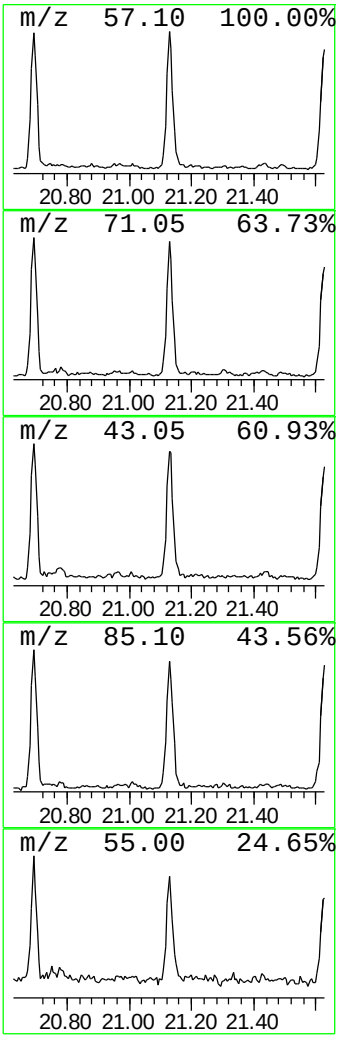
**********

Peak Number 9 Docosane, 11-butyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.13 | 4.71 ng | 163205 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 3 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 90 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |



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ALS Vial : 7 Sample Multiplier: 1

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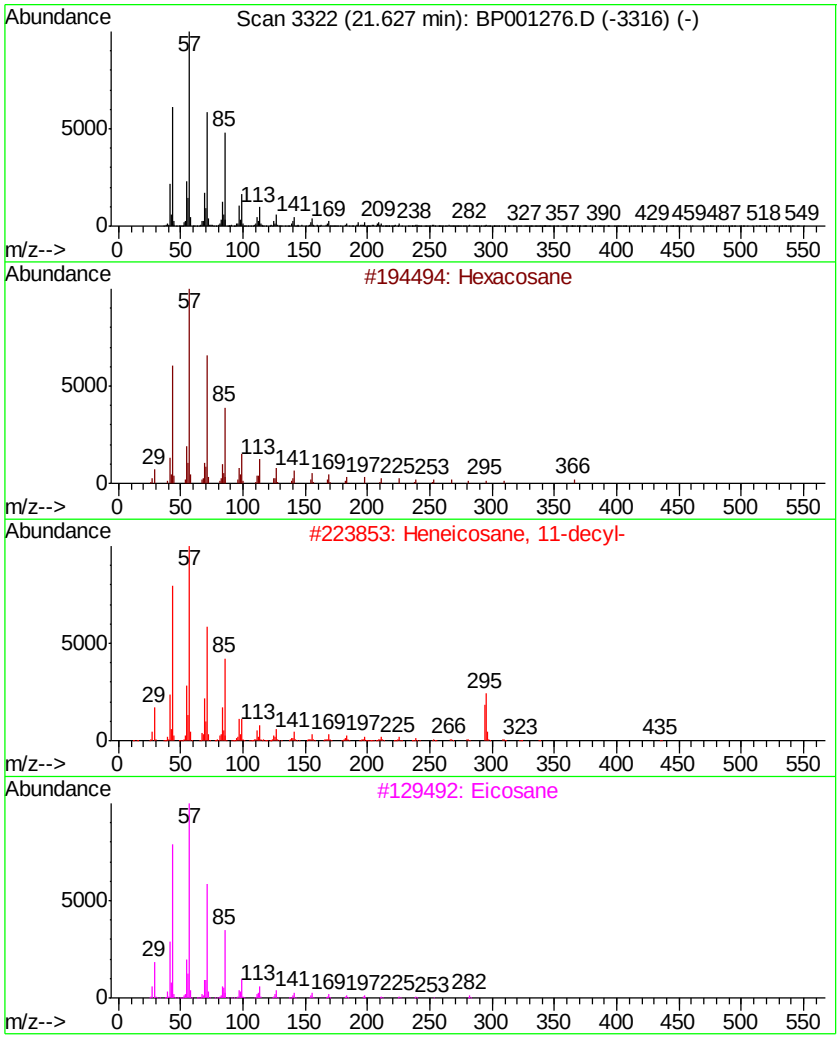
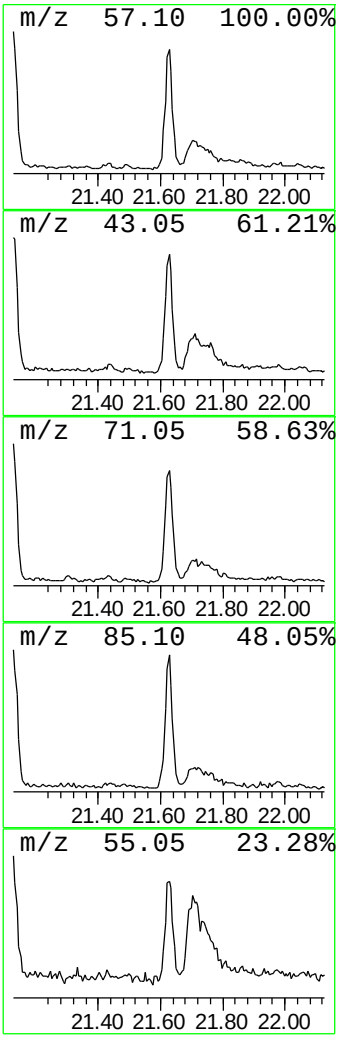
**********

Peak Number 10 Heneicosane, 11-decyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.63 | 4.76 ng | 165069 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 96 |
| 2 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 94 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 93 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120919\
Data File : BP001276.D
Acq On : 09 Dec 2019 18:17
Operator : JU
Sample : K6187-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

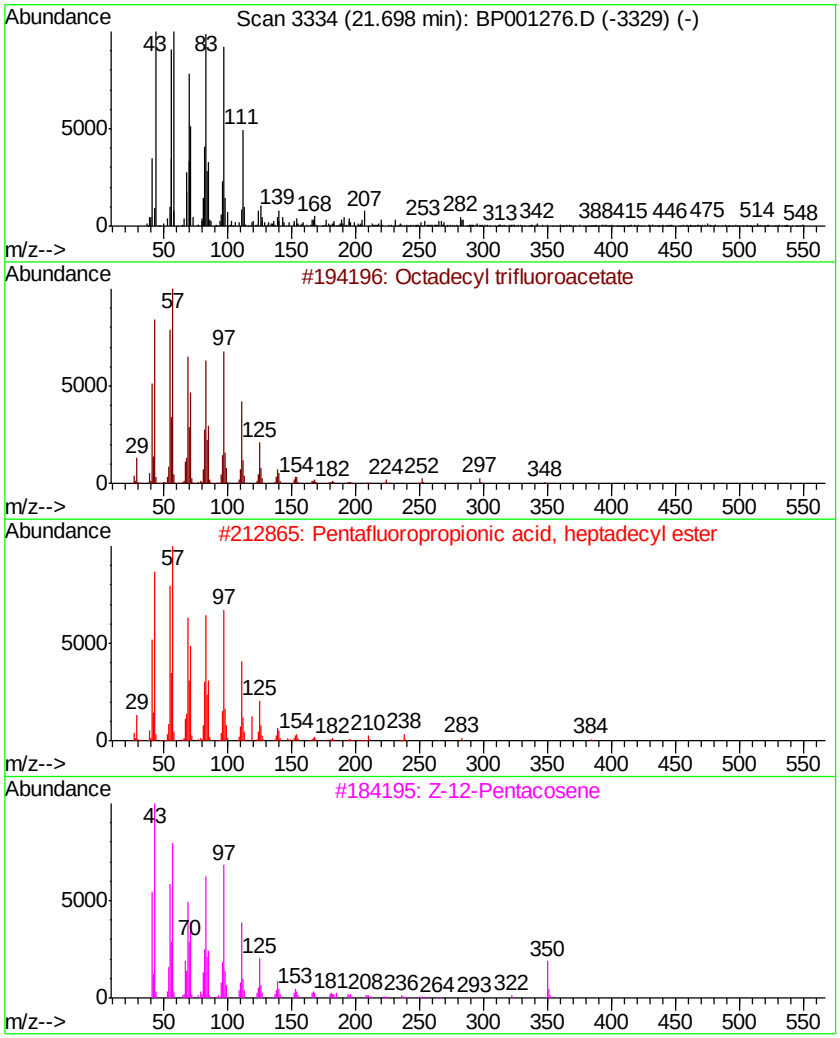
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

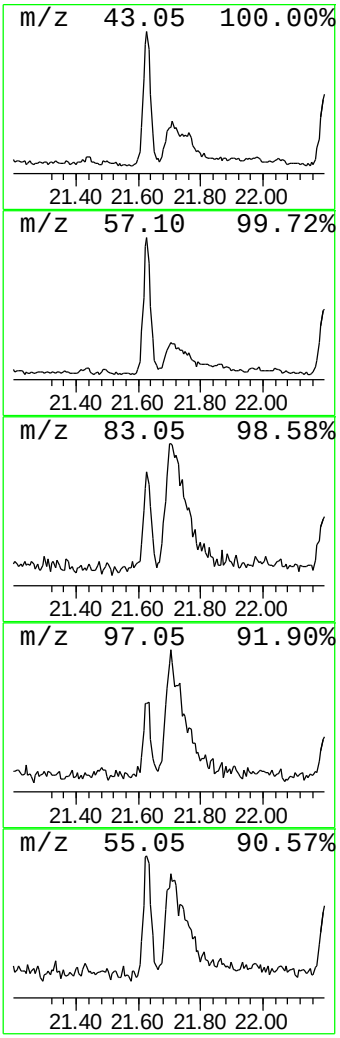
**********

Peak Number 11 Octadecyl trifluoroacetate Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.70 | 3.46 ng | 119923 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 81 |
| 2 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 74 |
| 3 | Z-12-Pentacosene | 350 | C25H50 | 1000131-09-4 | 74 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 64 |
| 5 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120919\
Data File : BP001276.D
Acq On : 09 Dec 2019 18:17
Operator : JU
Sample : K6187-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

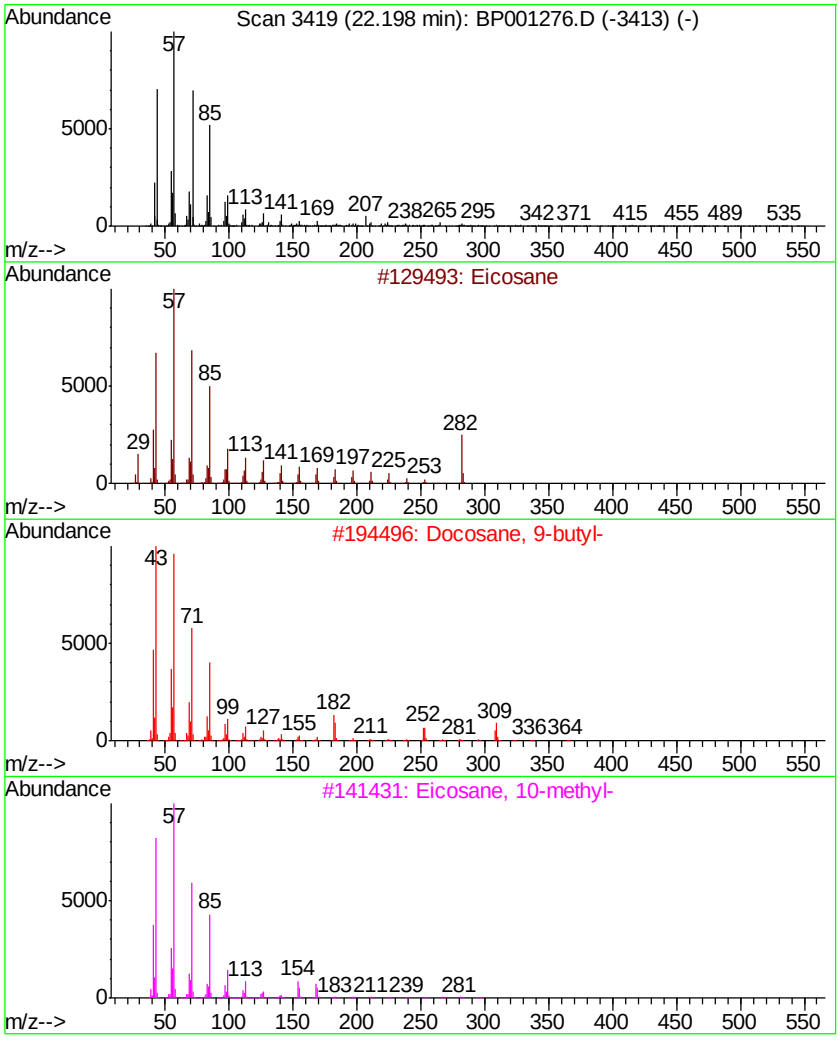
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

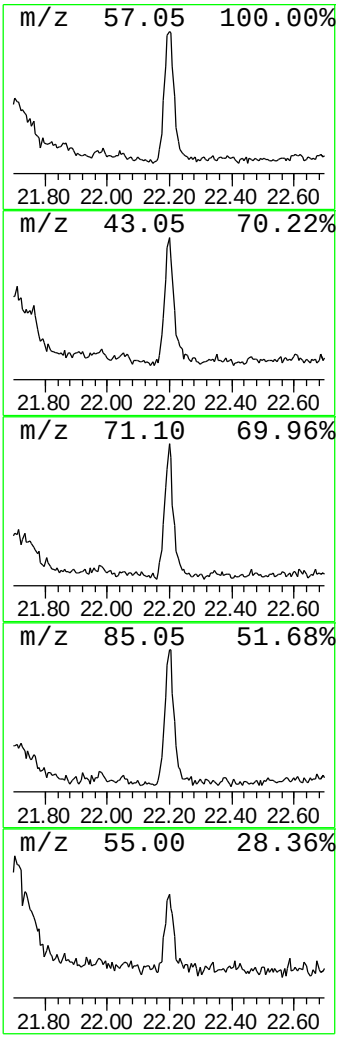
**********

Peak Number 12 Docosane, 9-butyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.20 | 3.49 ng | 121052 | Perylene-d12 | 21.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Docosane, 9-butyl- | 366 | C26H54 | 055282-14-9 | 93 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 93 |
| 5 | Docosane, 5-butyl- | 366 | C26H54 | 055282-16-1 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP120919\
Data File : BP001276.D
Acq On : 09 Dec 2019 18:17
Operator : JU
Sample : K6187-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** RPC-WALL-W

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.63 | 25.3 | ng | 599263 | 1 | 8.30 | 474461 | 20.0 |
| unknown7.95 | 7.95 | 115.5 | ng | 2740820 | 1 | 8.30 | 474461 | 20.0 |
| n-Hexadecanoic acid | 16.49 | 4.0 | ng | 145143 | 4 | 15.60 | 731988 | 20.0 |
| 5-Eicosene, (E)- | 19.12 | 15.6 | ng | 540353 | 5 | 19.24 | 692431 | 20.0 |
| Eicosane | 19.92 | 2.3 | ng | 80482 | 5 | 19.24 | 692431 | 20.0 |
| Tridecane, 6-propyl- | 20.30 | 3.9 | ng | 133948 | 6 | 21.02 | 693339 | 20.0 |
| Hexacosane | 20.69 | 4.3 | ng | 148386 | 6 | 21.02 | 693339 | 20.0 |
| Docosane, 11-butyl- | 21.13 | 4.7 | ng | 163205 | 6 | 21.02 | 693339 | 20.0 |
| Heneicosane, 11-d... | 21.63 | 4.8 | ng | 165069 | 6 | 21.02 | 693339 | 20.0 |
| Octadecyl trifluo... | 21.70 | 3.5 | ng | 119923 | 6 | 21.02 | 693339 | 20.0 |
| Docosane, 9-butyl- | 22.20 | 3.5 | ng | 121052 | 6 | 21.02 | 693339 | 20.0 |