LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

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-BF120815.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 | 3.516 | 157 | 160 | 174 | rBV | 663804 | 1430280 | 24.60% | 3.131% |
| 2 | 3.961 | 197 | 199 | 219 | rBV | 3807446 | 5286066 | 90.93% | 11.573% |
| 3 | 5.253 | 309 | 312 | 320 | rBV | 3337032 | 5813289 | 100.00% | 12.727% |
| 4 | 5.379 | 320 | 323 | 336 | rVB | 4220959 | 5541093 | 95.32% | 12.131% |
| 5 | 5.676 | 346 | 349 | 358 | rBV | 721201 | 926825 | 15.94% | 2.029% |
| 6 | 5.893 | 365 | 368 | 371 | rBV | 3149840 | 3987233 | 68.59% | 8.729% |
| 7 | 6.510 | 419 | 422 | 437 | rBV | 2426128 | 3492805 | 60.08% | 7.647% |
| 8 | 7.573 | 513 | 515 | 527 | rBV | 861923 | 1226843 | 21.10% | 2.686% |
| 9 | 9.322 | 665 | 668 | 671 | rBV | 4085057 | 5567192 | 95.77% | 12.188% |
| 10 | 10.008 | 725 | 728 | 733 | rBV | 452854 | 578942 | 9.96% | 1.267% |
| 11 | 10.362 | 756 | 759 | 765 | rBV | 1014839 | 1402309 | 24.12% | 3.070% |
| 12 | 11.208 | 830 | 833 | 836 | rBV | 121667 | 156131 | 2.69% | 0.342% |
| 13 | 11.562 | 860 | 864 | 866 | rBV | 32646 | 67649 | 1.16% | 0.148% |
| 14 | 11.653 | 869 | 872 | 879 | rBV | 1754040 | 2645318 | 45.50% | 5.791% |
| 15 | 11.974 | 897 | 900 | 905 | rBV | 105876 | 180537 | 3.11% | 0.395% |
| 16 | 12.705 | 962 | 964 | 966 | rBV | 51982 | 63769 | 1.10% | 0.140% |
| 17 | 12.762 | 966 | 969 | 978 | rVB | 752018 | 1101067 | 18.94% | 2.411% |
| 18 | 13.814 | 1058 | 1061 | 1066 | rBV3 | 49203 | 91885 | 1.58% | 0.201% |
| 19 | 15.094 | 1170 | 1173 | 1180 | rBV | 38193 | 69534 | 1.20% | 0.152% |
| 20 | 15.391 | 1195 | 1199 | 1202 | rBV | 2794955 | 3862630 | 66.44% | 8.456% |
| 21 | 16.900 | 1328 | 1331 | 1335 | rBV2 | 100726 | 180011 | 3.10% | 0.394% |
| 22 | 16.980 | 1335 | 1338 | 1343 | rBV | 577240 | 1004367 | 17.28% | 2.199% |
| 23 | 17.711 | 1400 | 1402 | 1404 | rBV | 35605 | 58239 | 1.00% | 0.128% |
| 24 | 18.386 | 1459 | 1461 | 1464 | rBV | 52966 | 92752 | 1.60% | 0.203% |
| 25 | 18.614 | 1480 | 1481 | 1486 | rVB | 506510 | 718661 | 12.36% | 1.573% |
| 26 | 19.049 | 1517 | 1519 | 1524 | rVB | 69402 | 131877 | 2.27% | 0.289% |

Sum of corrected areas: 45677304

LSC Report - Integrated Chromatogram

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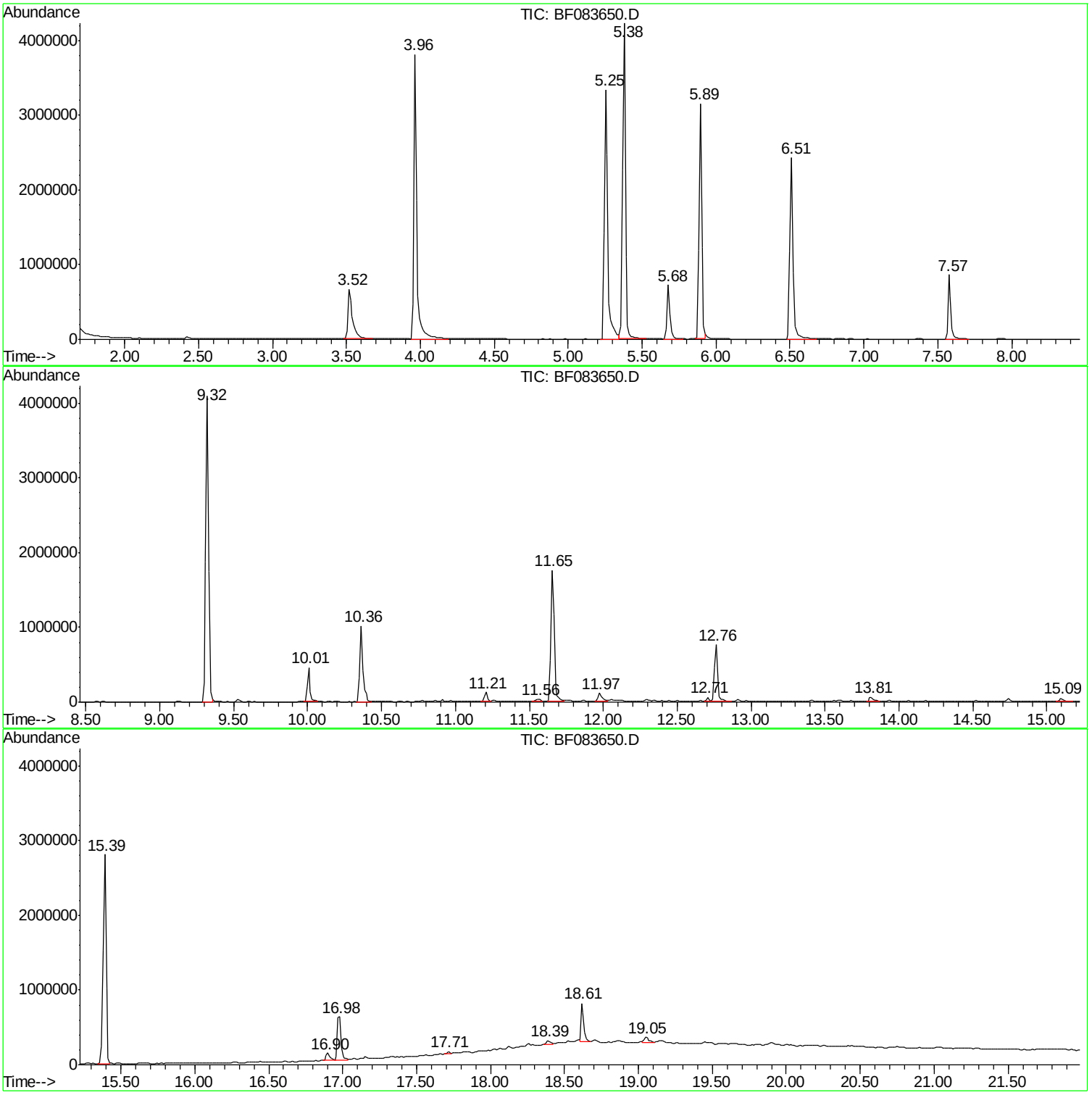
Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

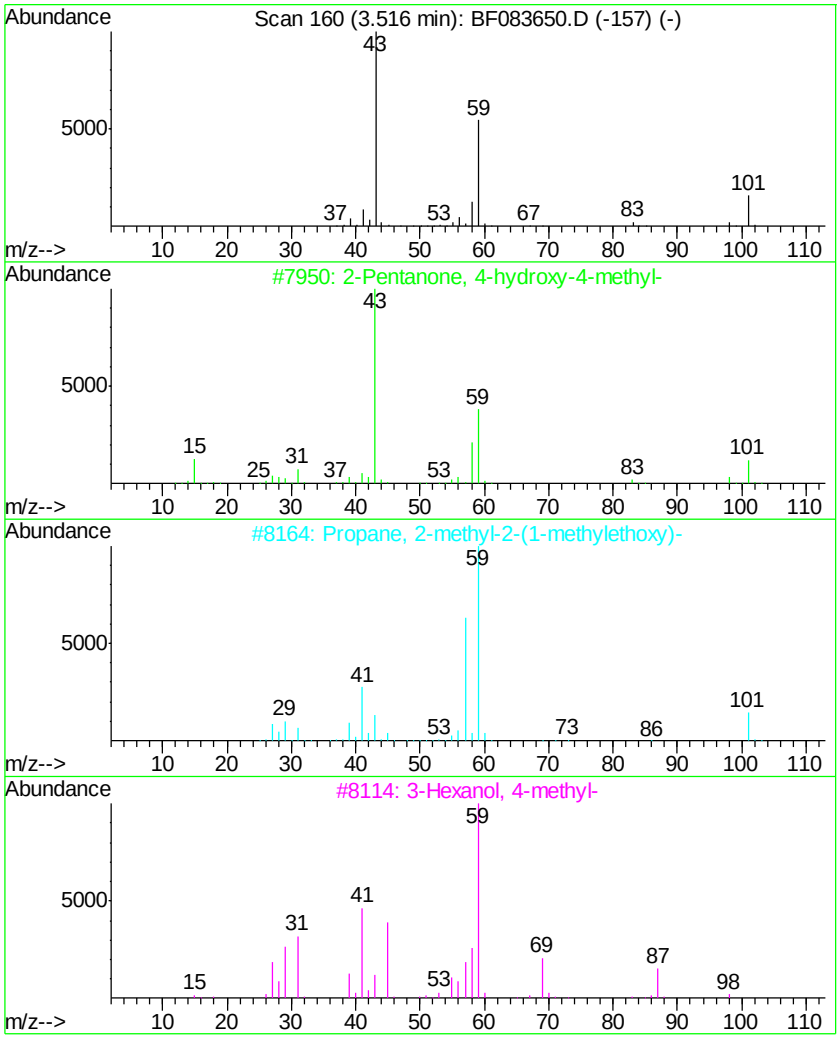
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

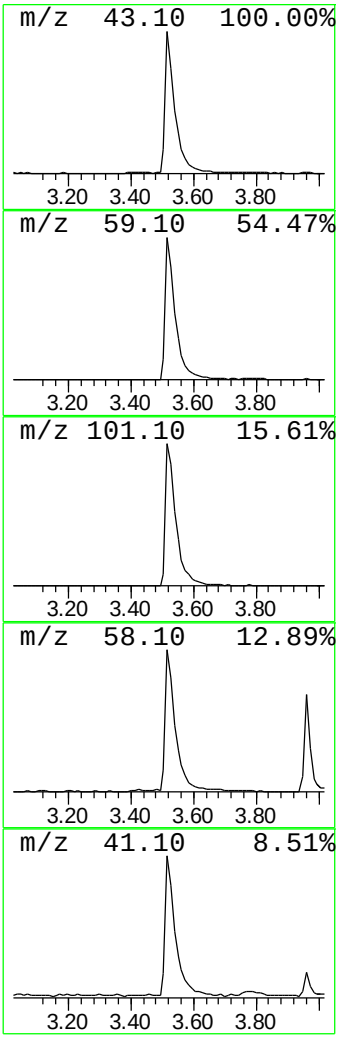
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.52 | 30.86 ng | 1430280 | 1,4-Dichlorobenzene-d4 | 5.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



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Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

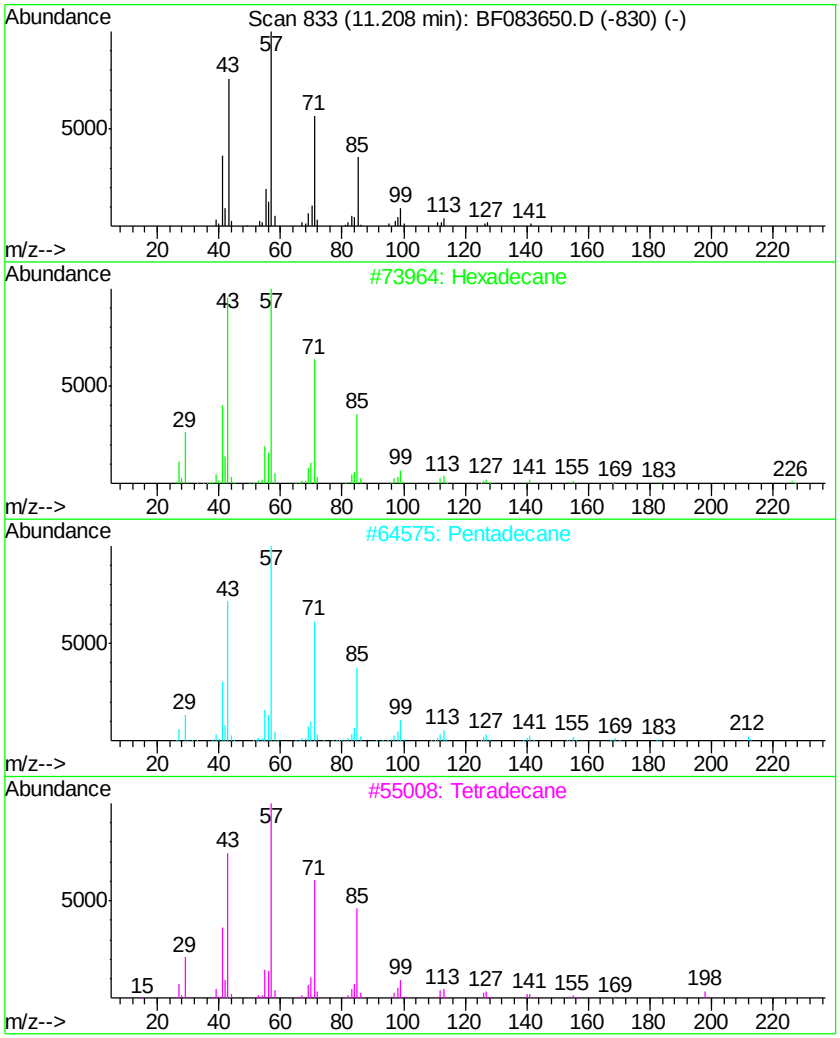
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

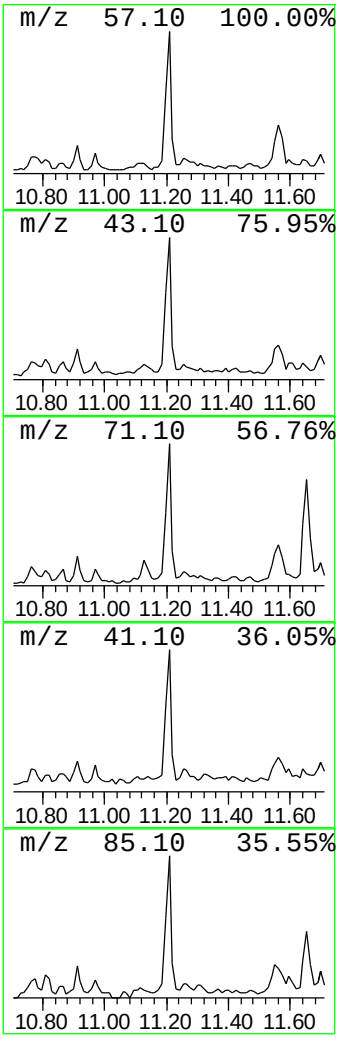
**********

Peak Number 4 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.21 | 2.23 ng | 156131 | Acenaphthene-d10 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

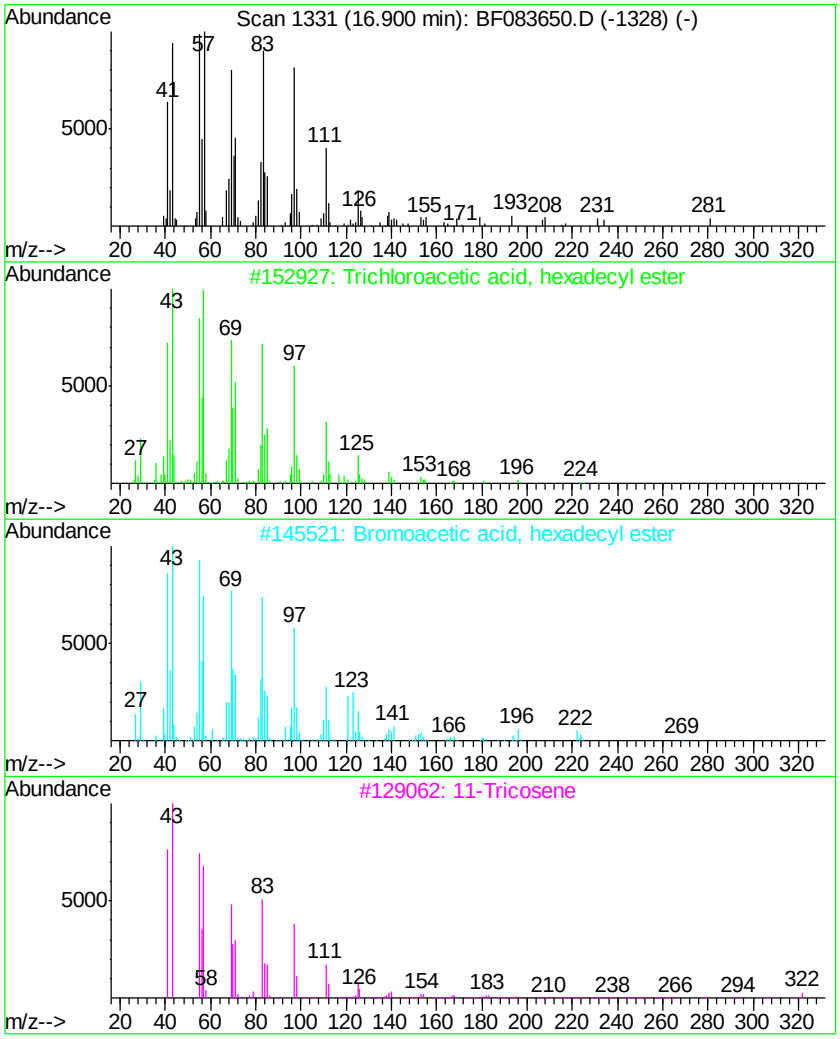
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

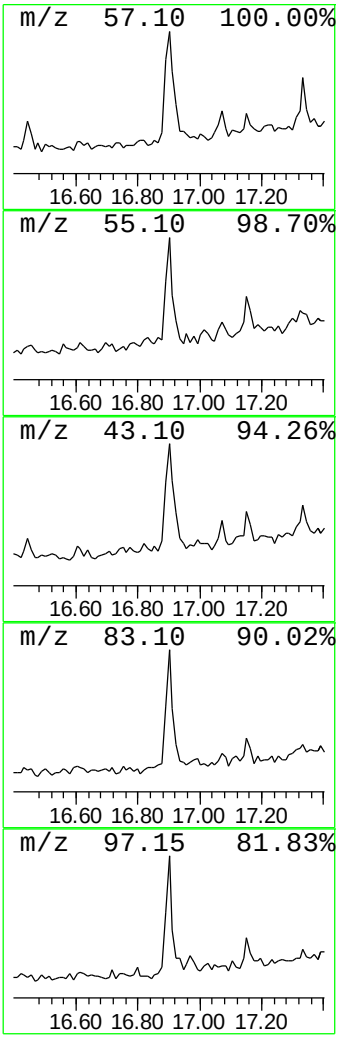
**********

Peak Number 6 Trichloroacetic acid, hexad... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.90 | 3.58 ng | 180011 | Chrysene-d12 | 16.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 2 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 91 |
| 3 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 91 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 90 |
| 5 | 1-Nonadecanol | 284 | C19H40O | 001454-84-8 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083650.D
Acq On : 9 Dec 2015 20:31
Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

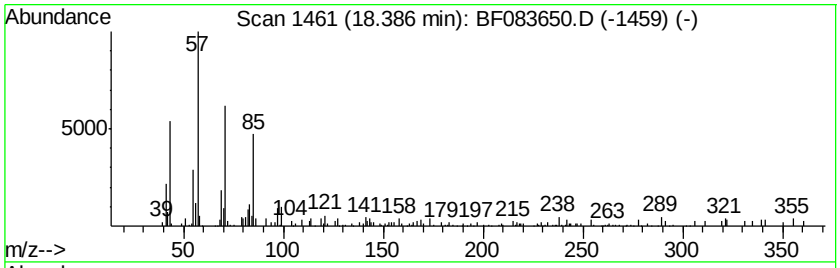
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

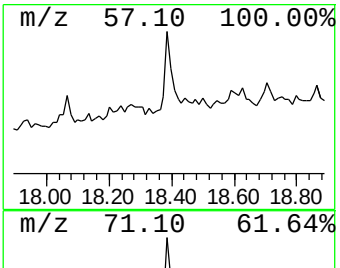
**********

Peak Number 7 Octadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.39 | 2.58 ng | 92752 | Perylene-d12 | 18.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 2 | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 76 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 76 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 52 |



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Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NC-HC-006

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

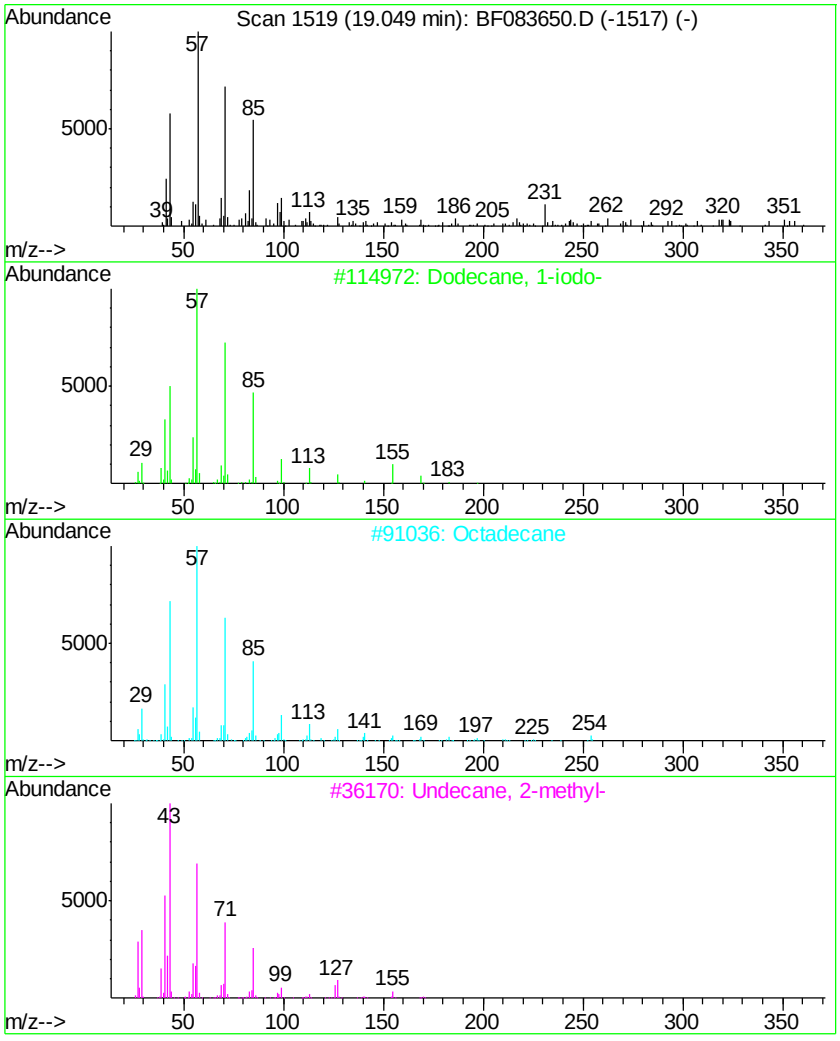
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

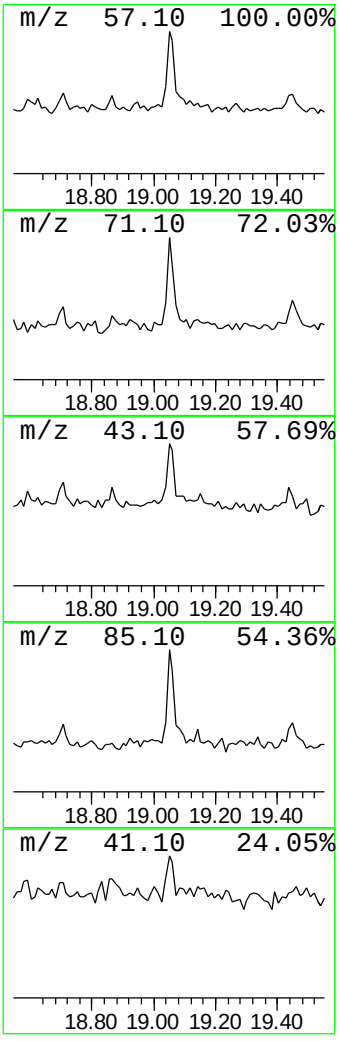
**********

Peak Number 8 Dodecane, 1-iodo- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.05 | 3.67 ng | 131877 | Perylene-d12 | 18.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 60 |
| 3 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 59 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 59 |
| 5 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 58 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
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Operator : UM/IZ
Sample : G4691-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 3.52 | 30.9 | ng | 1430280 | 1 | 5.68 | 926825 | 20.0 |
| Hexadecane | 11.21 | 2.2 | ng | 156131 | 3 | 10.36 | 1402310 | 20.0 |
| Trichloroacetic a... | 16.90 | 3.6 | ng | 180011 | 5 | 16.98 | 1004370 | 20.0 |
| Octadecane | 18.39 | 2.6 | ng | 92752 | 6 | 18.61 | 718661 | 20.0 |
| Dodecane, 1-iodo- | 19.05 | 3.7 | ng | 131877 | 6 | 18.61 | 718661 | 20.0 |