LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

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-BF060517.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 | 1.602 | 8 | 11 | 34 | rBV | 155313 | 288377 | 11.45% | 1.397% |
| 2 | 4.619 | 520 | 524 | 549 | rBV | 72050 | 208107 | 8.26% | 1.008% |
| 3 | 5.296 | 635 | 639 | 662 | rBV | 1081839 | 1927597 | 76.55% | 9.338% |
| 4 | 6.948 | 916 | 920 | 933 | rBV | 1230892 | 1902675 | 75.56% | 9.218% |
| 5 | 7.054 | 933 | 938 | 947 | rVB | 1519805 | 2164849 | 85.97% | 10.488% |
| 6 | 7.395 | 992 | 996 | 1011 | rBV | 395635 | 560466 | 22.26% | 2.715% |
| 7 | 7.631 | 1031 | 1036 | 1054 | rBV | 1228972 | 1724233 | 68.47% | 8.353% |
| 8 | 8.307 | 1146 | 1151 | 1181 | rBV | 891550 | 1307756 | 51.93% | 6.335% |
| 9 | 9.431 | 1337 | 1342 | 1362 | rBV | 563739 | 815612 | 32.39% | 3.951% |
| 10 | 11.207 | 1637 | 1644 | 1659 | rBV | 1889877 | 2518192 | 100.00% | 12.199% |
| 11 | 11.901 | 1757 | 1762 | 1774 | rBV | 414438 | 510789 | 20.28% | 2.475% |
| 12 | 12.248 | 1816 | 1821 | 1827 | rBV2 | 712619 | 899537 | 35.72% | 4.358% |
| 13 | 12.295 | 1827 | 1829 | 1837 | rVB2 | 21666 | 25328 | 1.01% | 0.123% |
| 14 | 13.107 | 1961 | 1967 | 1973 | rVB | 20323 | 25204 | 1.00% | 0.122% |
| 15 | 13.542 | 2036 | 2041 | 2056 | rBV | 881614 | 1251627 | 49.70% | 6.064% |
| 16 | 13.877 | 2093 | 2098 | 2105 | rBV | 21473 | 29901 | 1.19% | 0.145% |
| 17 | 14.642 | 2224 | 2228 | 2242 | rVB | 574311 | 792869 | 31.49% | 3.841% |
| 18 | 15.654 | 2393 | 2400 | 2410 | rBV | 50119 | 71328 | 2.83% | 0.346% |
| 19 | 16.777 | 2588 | 2591 | 2599 | rVB | 18919 | 29932 | 1.19% | 0.145% |
| 20 | 17.012 | 2625 | 2631 | 2635 | rBV | 1812566 | 2057742 | 81.72% | 9.969% |
| 21 | 18.265 | 2839 | 2844 | 2854 | rBV2 | 49123 | 78126 | 3.10% | 0.378% |
| 22 | 18.348 | 2854 | 2858 | 2869 | rVV | 547531 | 706514 | 28.06% | 3.423% |
| 23 | 19.389 | 3030 | 3035 | 3041 | rBV | 177749 | 208091 | 8.26% | 1.008% |
| 24 | 19.500 | 3050 | 3054 | 3057 | rVB | 58587 | 63934 | 2.54% | 0.310% |
| 25 | 20.018 | 3138 | 3142 | 3153 | rBV | 365530 | 473075 | 18.79% | 2.292% |

Sum of corrected areas: 20641861

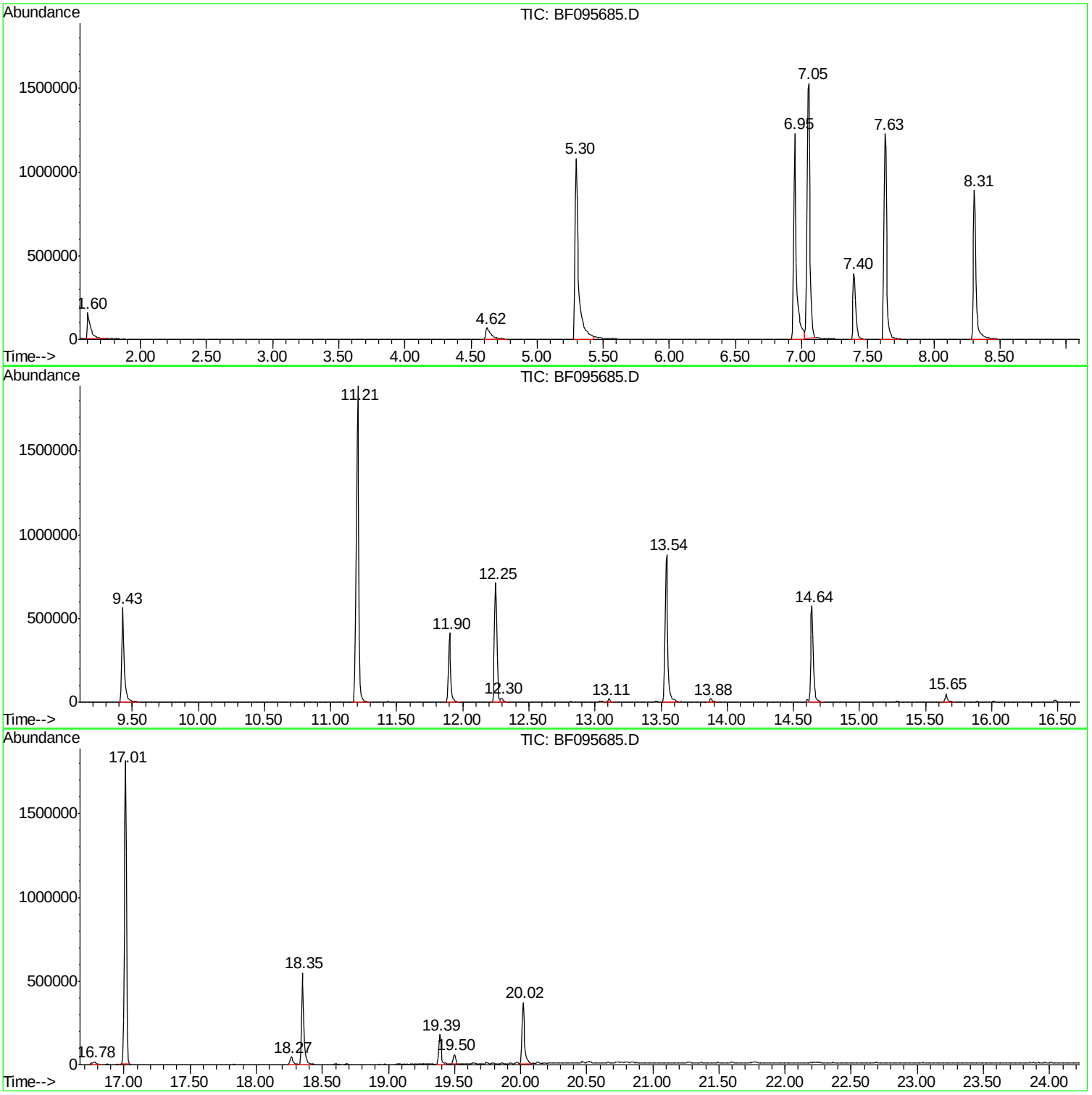
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

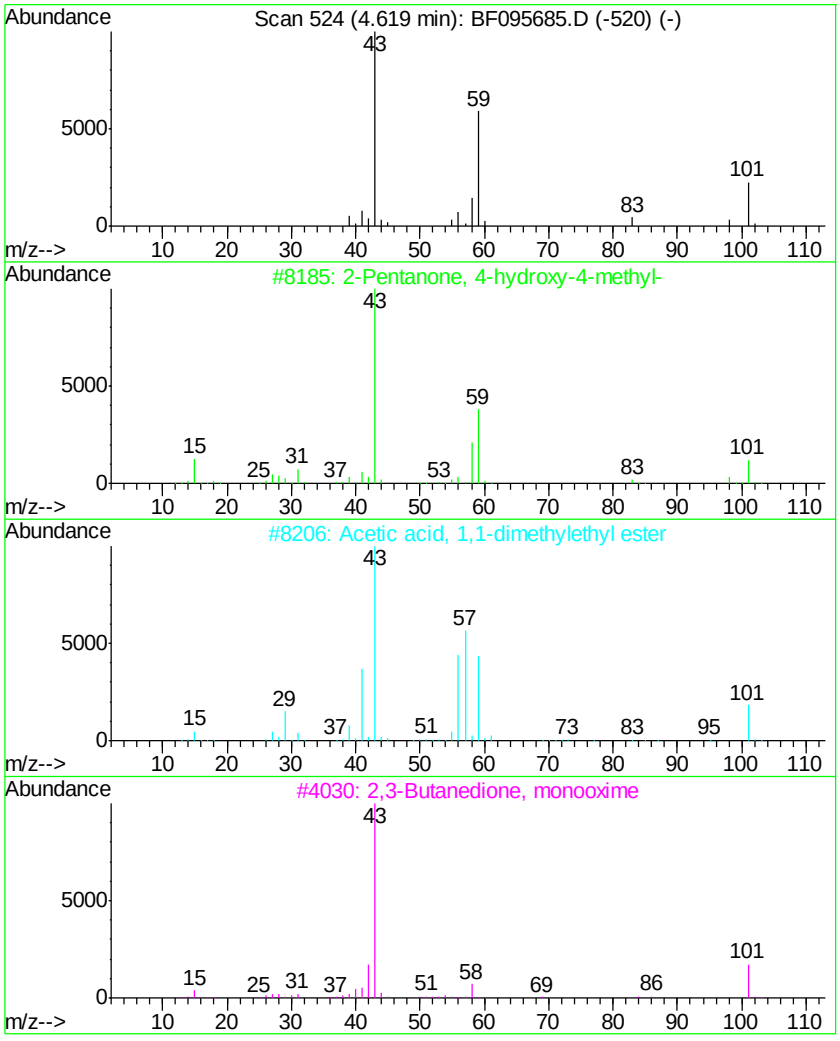
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

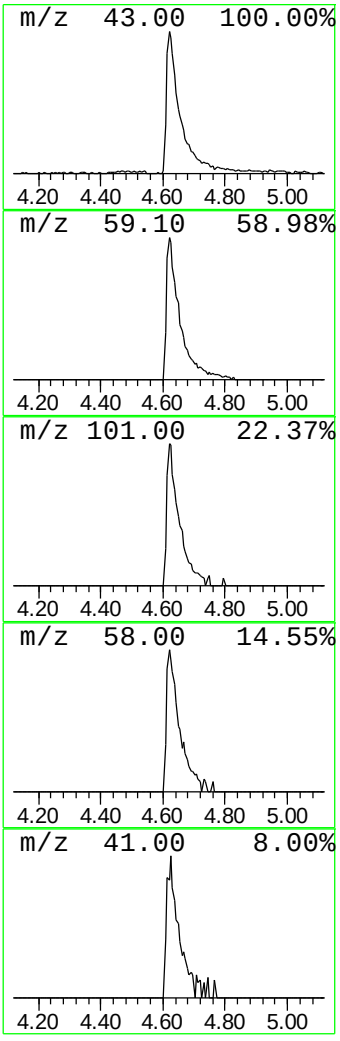
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.62 | 7.43 ng | 208107 | 1,4-Dichlorobenzene-d4 | 7.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 45 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 5 | 2-Propanone, 1-cyclopropyl- | 98 | C6H10O | 004160-75-2 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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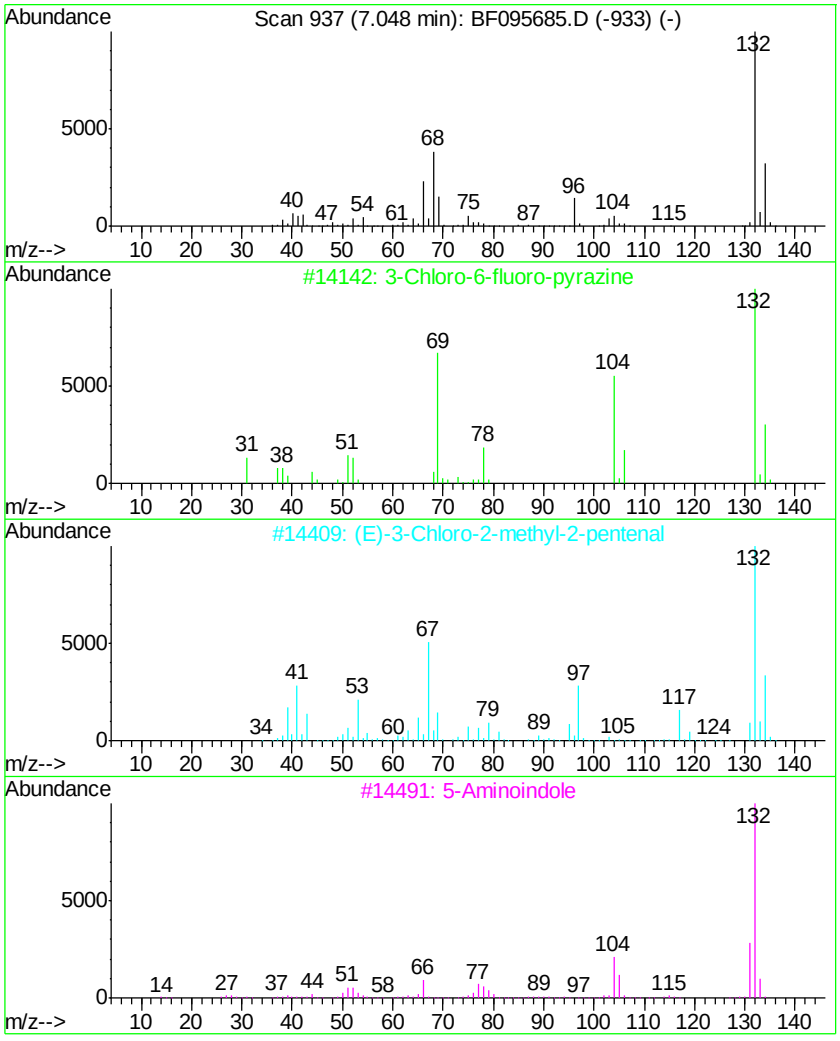
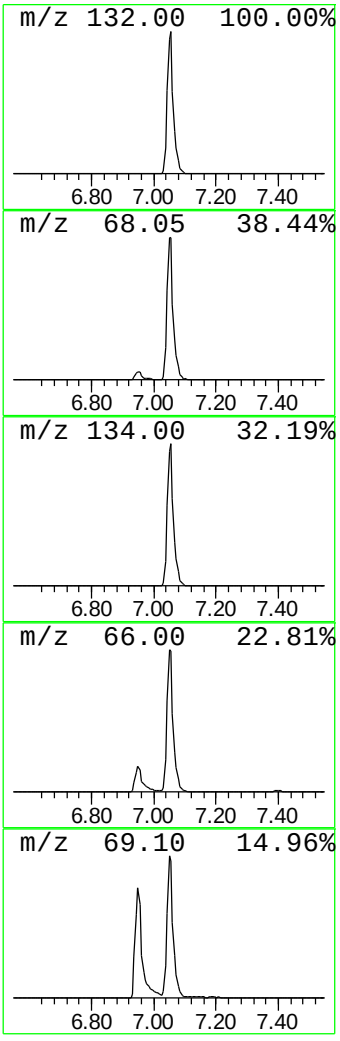
Peak Number 3 unknown7.05 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.05 | 77.25 ng | 2164850 | 1,4-Dichlorobenzene-d4 | 7.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 10 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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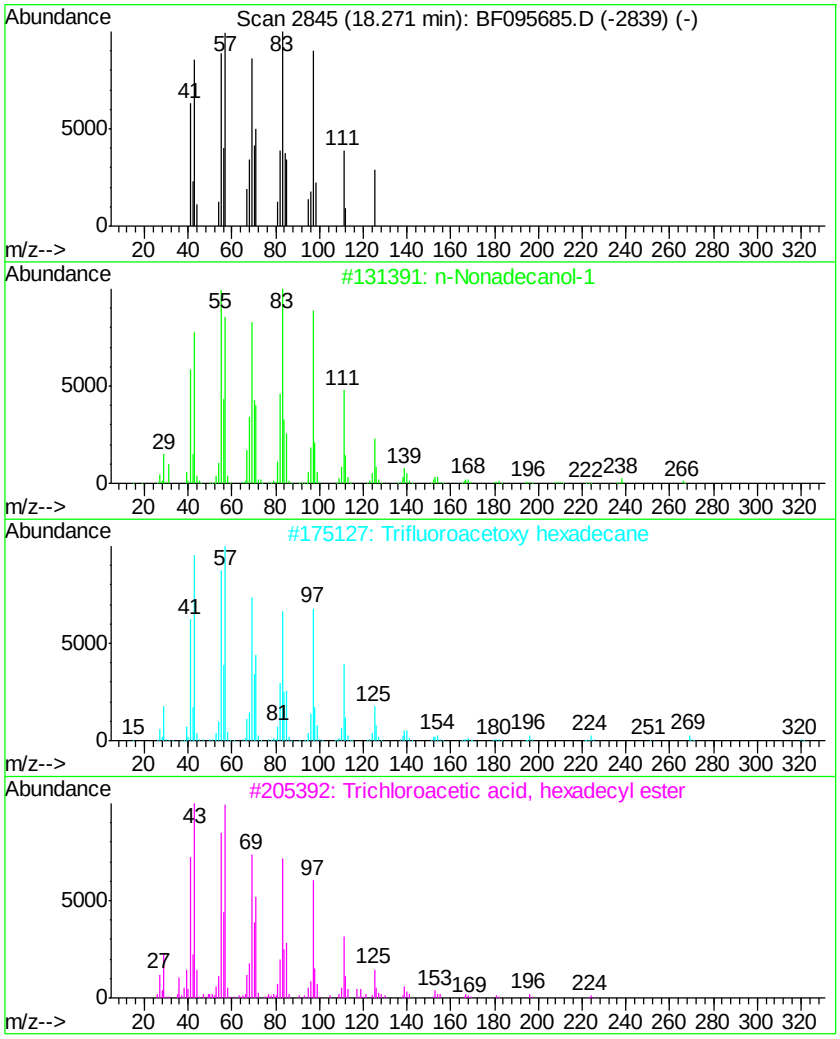
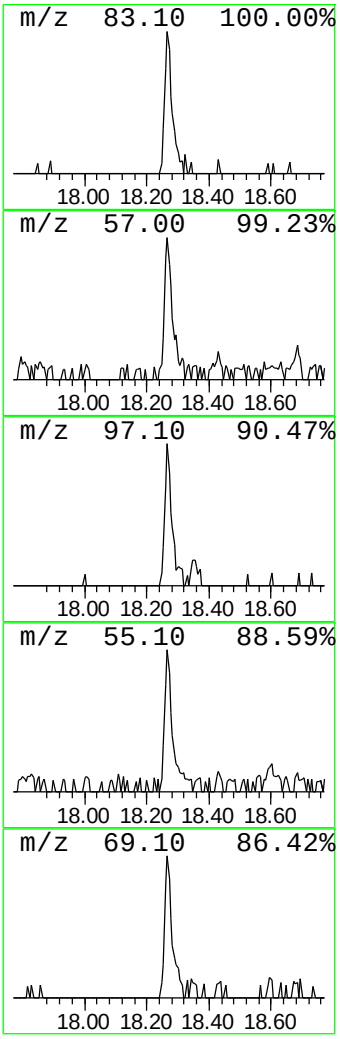
Peak Number 5 n-Nonadecanol-1 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.27 | 2.21 ng | 78126 | Chrysene-d12 | 18.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 91 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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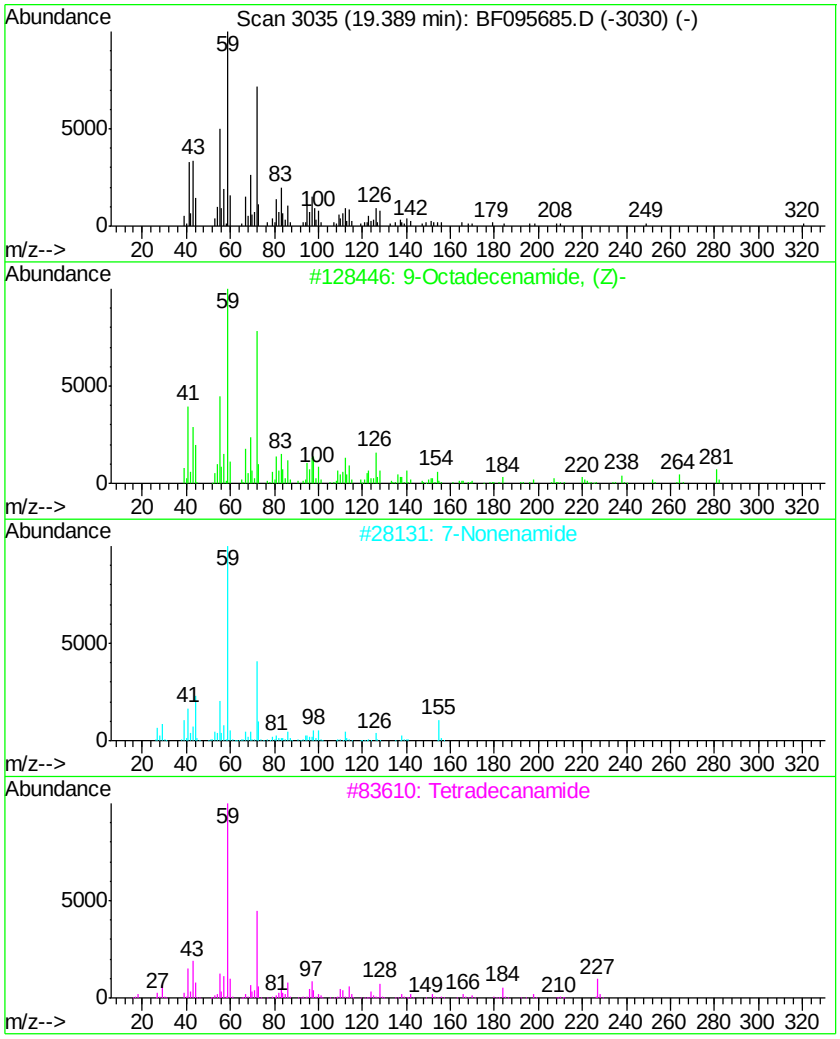
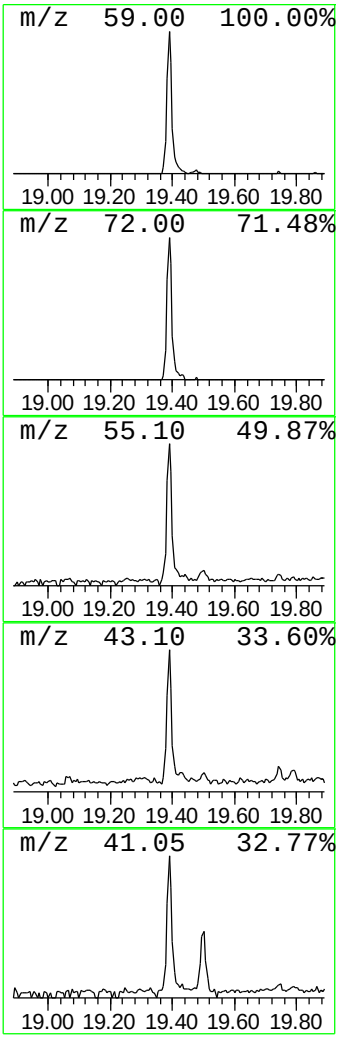
Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 8.80 ng | 208091 | Perylene-d12 | 20.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 86 |
| 2 | 7-Nonenamide | 155 | C9H17NO | 090949-53-4 | 59 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 53 |
| 4 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 50 |
| 5 | Octadecanamide | 283 | C18H37NO | 000124-26-5 | 50 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

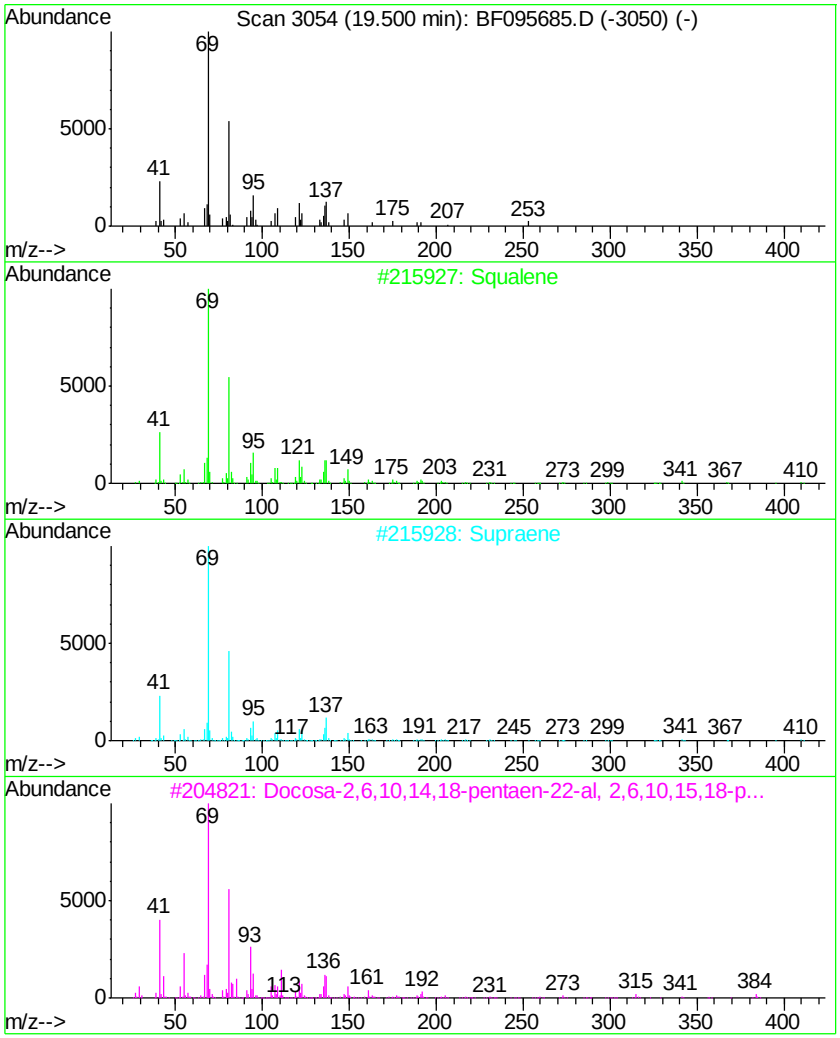
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

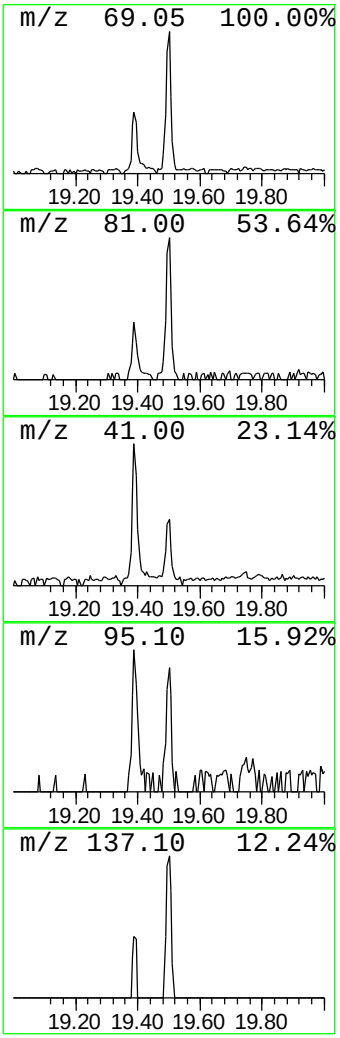
**********

Peak Number 7 Squalene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.50 | 2.70 ng | 63934 | Perylene-d12 | 20.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 90 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 90 |
| 3 | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 86 |
| 4 | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66 | 000502-62-5 | 78 |
| 5 | 1,5-Heptadiene, 3,3,5-trimethyl- | 138 | C10H18 | 074630-29-8 | 47 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095685.D
Acq On : 5 Jun 2017 21:36
Operator : SJ/MA
Sample : I3438-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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... | 4.62 | 7.4 | ng | 208107 | 1 | 7.40 | 560466 | 20.0 |
| unknown7.05 | 7.05 | 77.3 | ng | 2164850 | 1 | 7.40 | 560466 | 20.0 |
| n-Nonadecanol-1 | 18.27 | 2.2 | ng | 78126 | 5 | 18.35 | 706514 | 20.0 |
| 9-Octadecenamide,... | 19.39 | 8.8 | ng | 208091 | 6 | 20.02 | 473075 | 20.0 |
| Squalene | 19.50 | 2.7 | ng | 63934 | 6 | 20.02 | 473075 | 20.0 |