LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

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-BF012218.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 | 2.234 | 19 | 25 | 40 | rVB2 | 61240 | 202352 | 4.47% | 0.552% |
| 2 | 4.922 | 478 | 482 | 492 | rBV | 166072 | 260739 | 5.76% | 0.711% |
| 3 | 5.334 | 547 | 552 | 555 | rBV | 4064070 | 4379572 | 96.79% | 11.944% |
| 4 | 6.363 | 722 | 727 | 743 | rBV | 3669488 | 4525034 | 100.00% | 12.341% |
| 5 | 6.487 | 743 | 748 | 751 | rBV | 4213731 | 4264356 | 94.24% | 11.630% |
| 6 | 6.716 | 783 | 787 | 795 | rBV | 1133984 | 1079537 | 23.86% | 2.944% |
| 7 | 6.869 | 809 | 813 | 817 | rBV | 3719101 | 3517920 | 77.74% | 9.594% |
| 8 | 7.286 | 878 | 884 | 887 | rBV | 2759675 | 2812757 | 62.16% | 7.671% |
| 9 | 7.998 | 1001 | 1005 | 1020 | rBV | 1493613 | 1427755 | 31.55% | 3.894% |
| 10 | 9.075 | 1182 | 1188 | 1191 | rBV | 4672391 | 4311249 | 95.28% | 11.758% |
| 11 | 9.145 | 1197 | 1200 | 1203 | rVB | 76127 | 61941 | 1.37% | 0.169% |
| 12 | 9.469 | 1249 | 1255 | 1262 | rBV | 346886 | 378552 | 8.37% | 1.032% |
| 13 | 9.675 | 1287 | 1290 | 1294 | rBV | 186267 | 143288 | 3.17% | 0.391% |
| 14 | 9.751 | 1299 | 1303 | 1307 | rBV | 1432660 | 1339608 | 29.60% | 3.653% |
| 15 | 10.175 | 1372 | 1375 | 1378 | rVB | 194502 | 142618 | 3.15% | 0.389% |
| 16 | 10.392 | 1407 | 1412 | 1415 | rBV | 52805 | 63338 | 1.40% | 0.173% |
| 17 | 10.539 | 1434 | 1437 | 1449 | rVB | 1957778 | 2007336 | 44.36% | 5.475% |
| 18 | 10.645 | 1453 | 1455 | 1465 | rVB | 159019 | 167081 | 3.69% | 0.456% |
| 19 | 11.233 | 1551 | 1555 | 1565 | rBV | 1153048 | 1087248 | 24.03% | 2.965% |
| 20 | 12.821 | 1820 | 1825 | 1828 | rBV | 2906770 | 2701674 | 59.71% | 7.368% |
| 21 | 13.715 | 1974 | 1977 | 1983 | rBV3 | 78837 | 123475 | 2.73% | 0.337% |
| 22 | 13.874 | 2001 | 2004 | 2012 | rVB | 962728 | 928197 | 20.51% | 2.531% |
| 23 | 15.304 | 2242 | 2247 | 2257 | rBV | 518615 | 685997 | 15.16% | 1.871% |
| 24 | 15.709 | 2313 | 2316 | 2323 | rVB2 | 36431 | 55329 | 1.22% | 0.151% |

Sum of corrected areas: 36666953

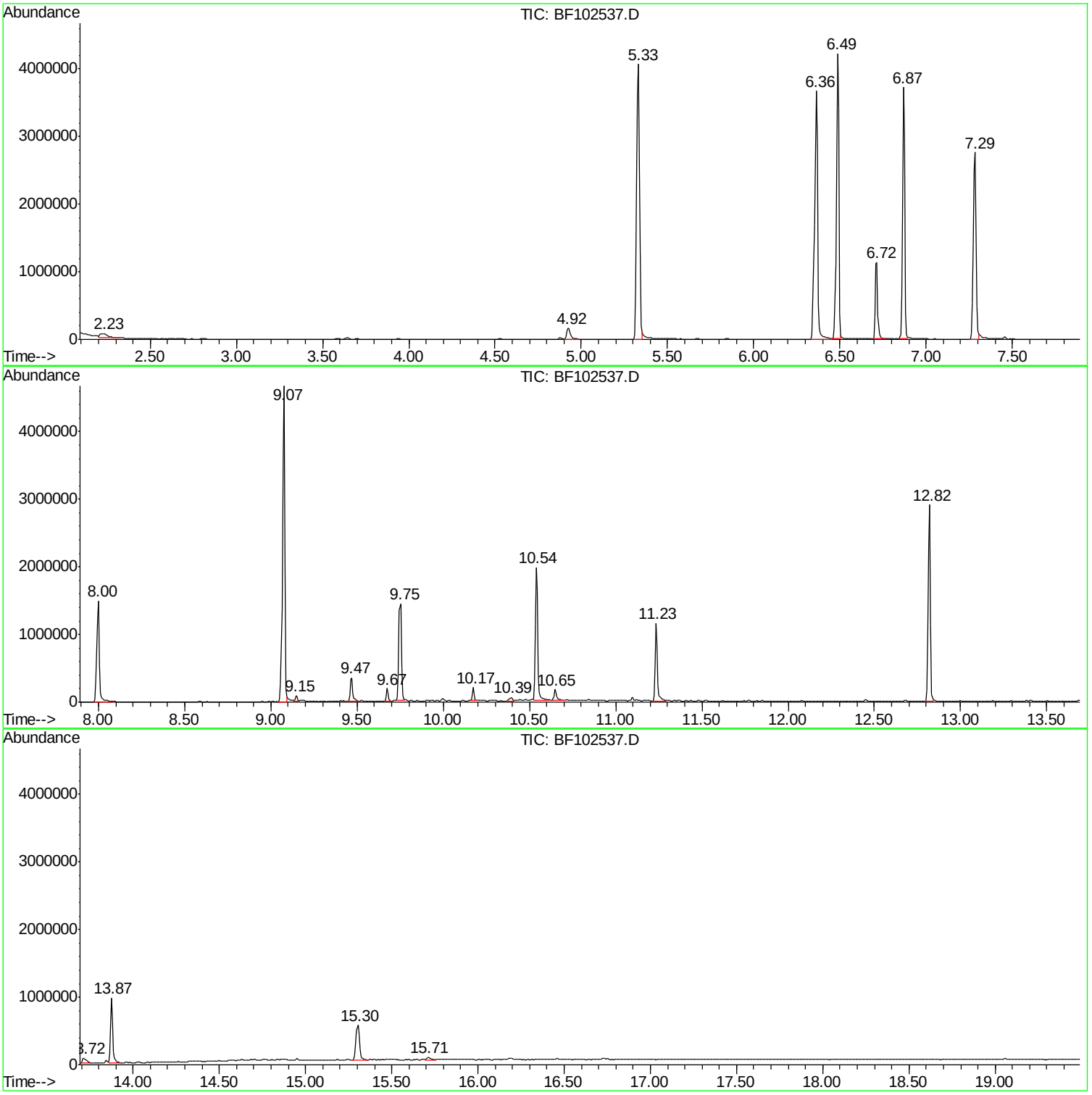
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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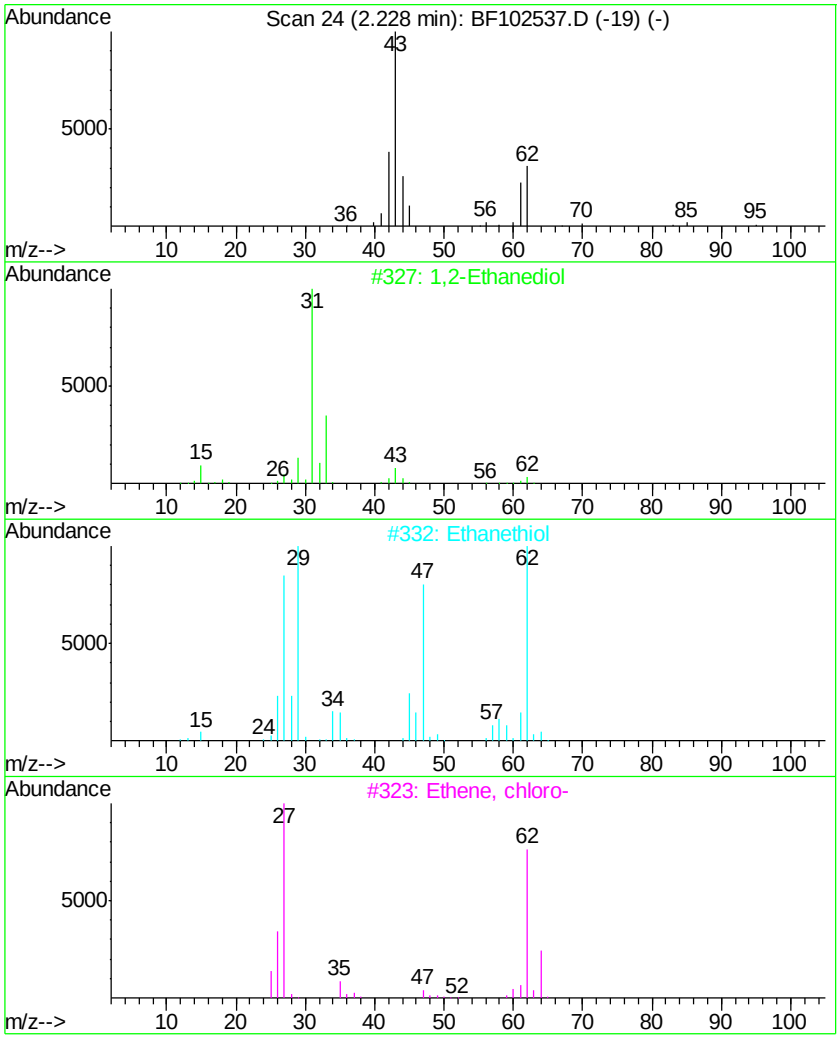
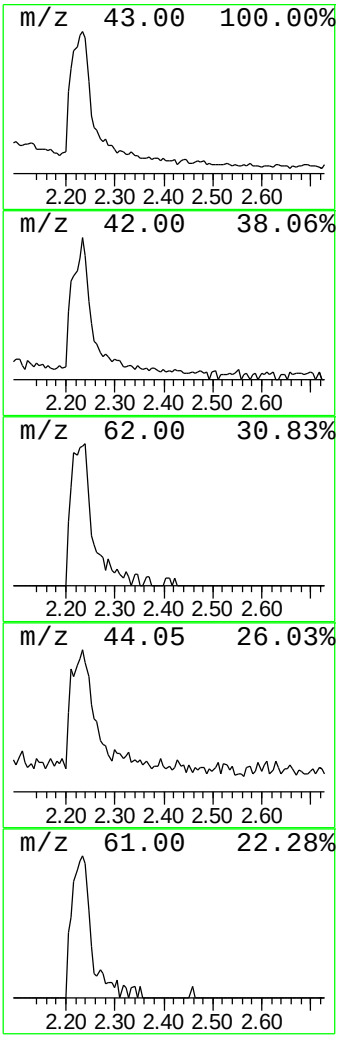
Peak Number 1 unknown2.23 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.23 | 3.75 ng | 202352 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Ethanediol | 62 | C2H6O2 | 000107-21-1 | 7 |
| 2 | Ethanethiol | 62 | C2H6S | 000075-08-1 | 4 |
| 3 | Ethene, chloro- | 62 | C2H3Cl | 000075-01-4 | 4 |
| 4 | Acetic acid, pentyl ester | 130 | C7H14O2 | 000628-63-7 | 4 |
| 5 | Methane, diazo- | 42 | CH2N2 | 000334-88-3 | 3 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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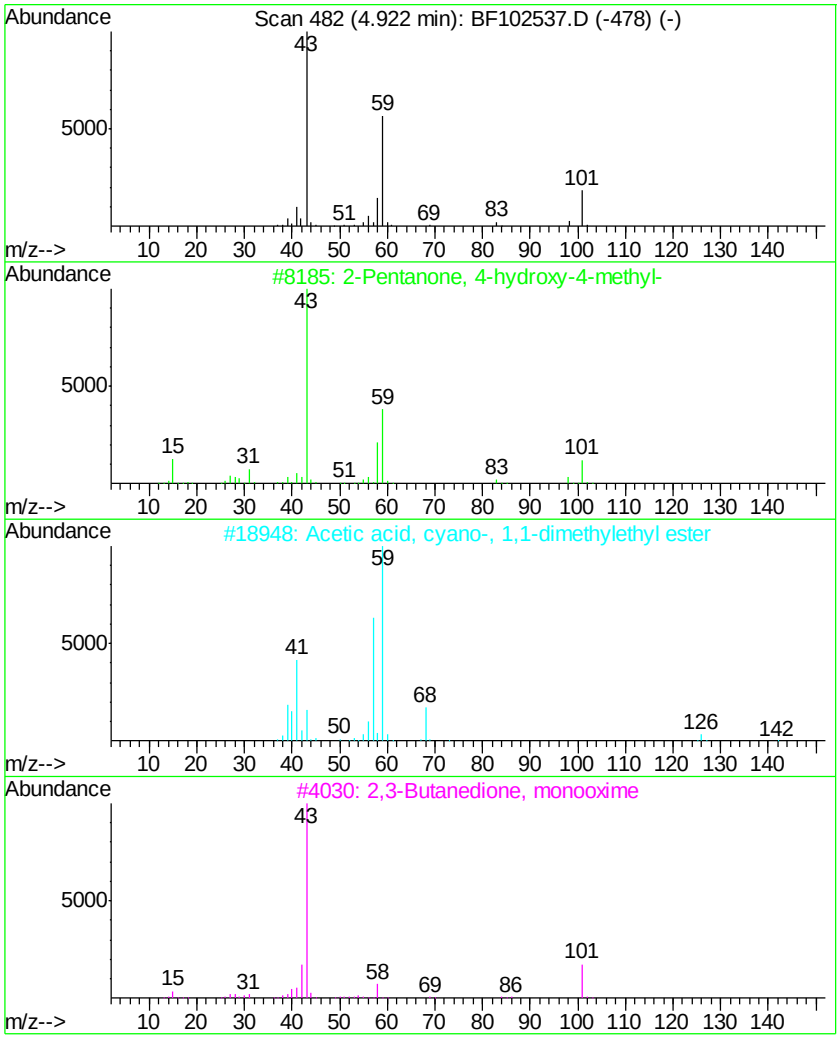
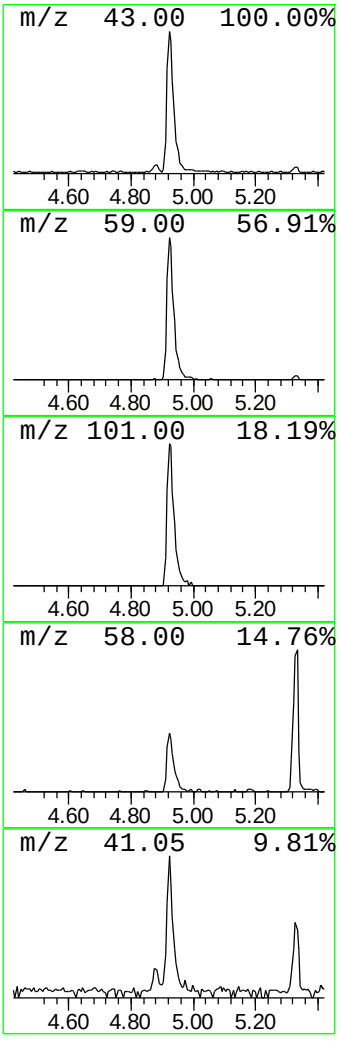
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.92 | 4.83 ng | 260739 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 9 |
| 5 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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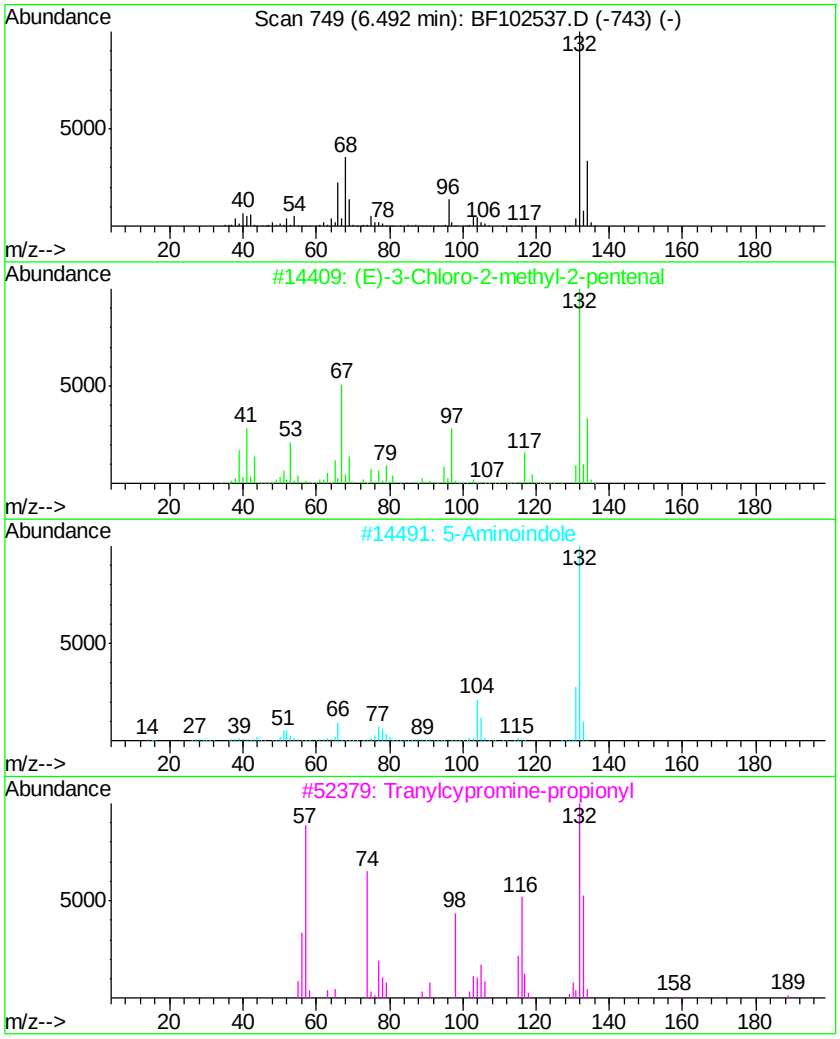
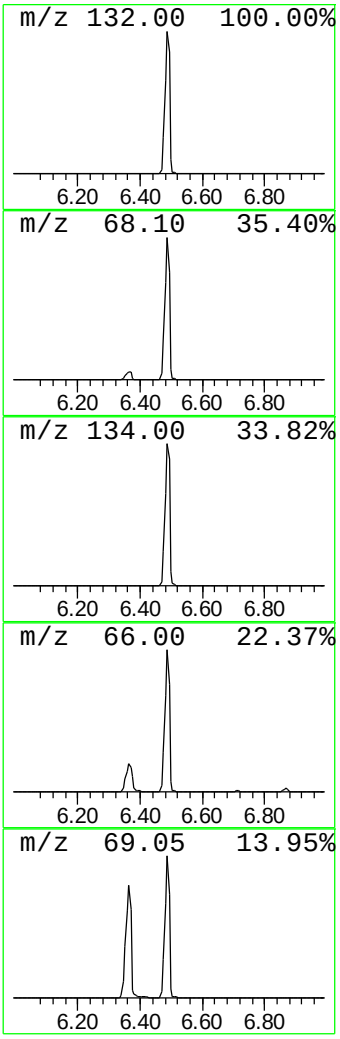
Peak Number 3 unknown6.49 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 79.00 ng | 4264360 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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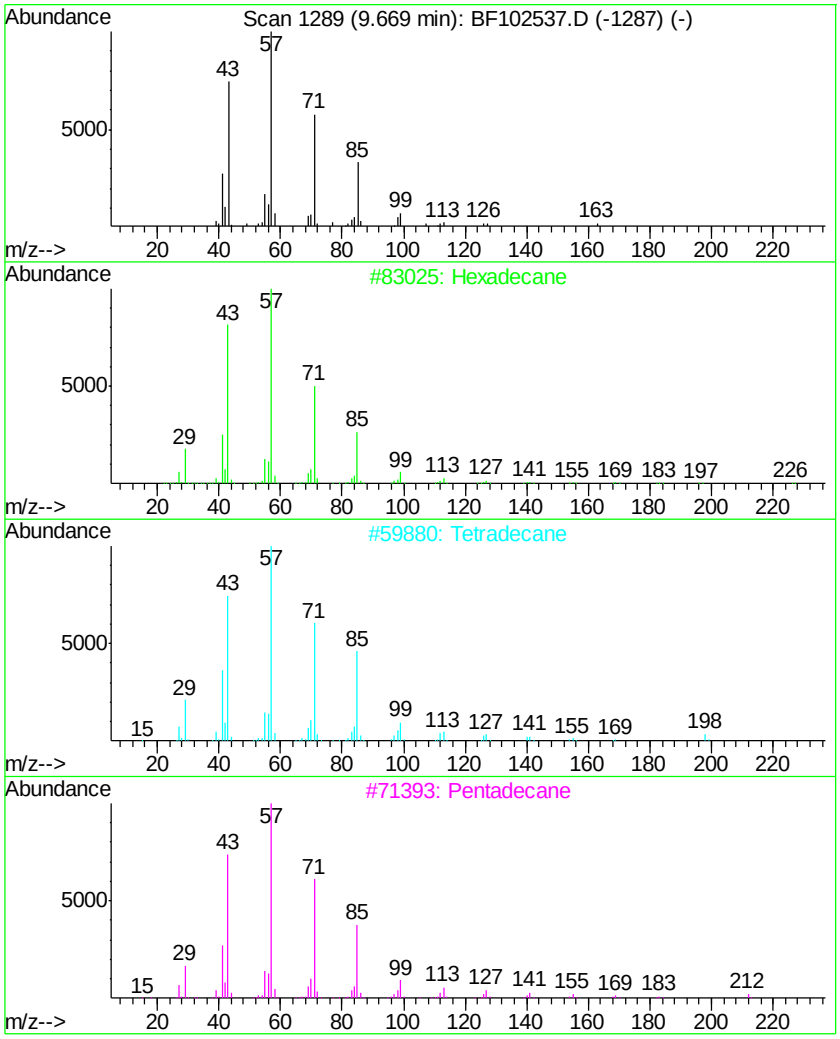
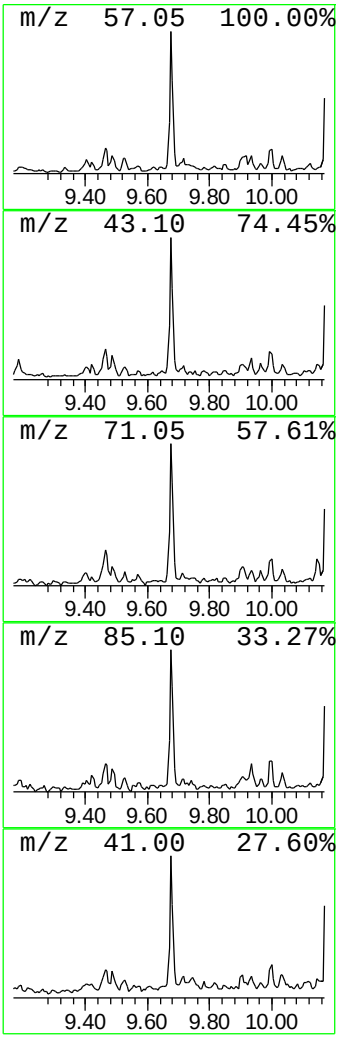
Peak Number 5 Hexadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.67 | 2.14 ng | 143288 | Acenaphthene-d10 | 9.75 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 86 |
| 5 | Sulfurous acid, pentadecyl 2-pro... | 334 | C18H38O3S | 1000309-12-6 | 78 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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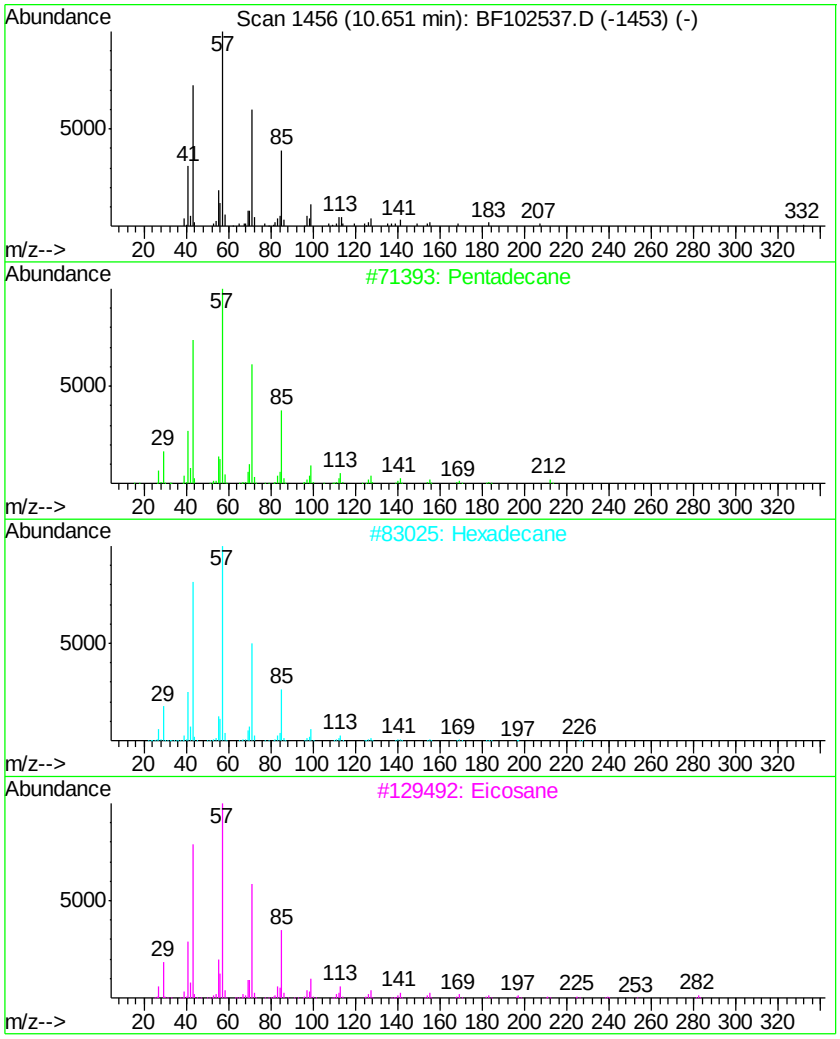
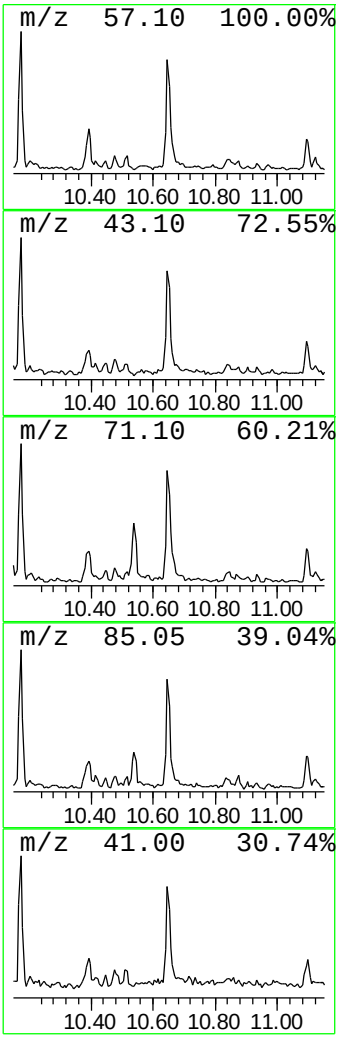
Peak Number 7 Pentadecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 3.07 ng | 167081 | Phenanthrene-d10 | 11.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 86 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 86 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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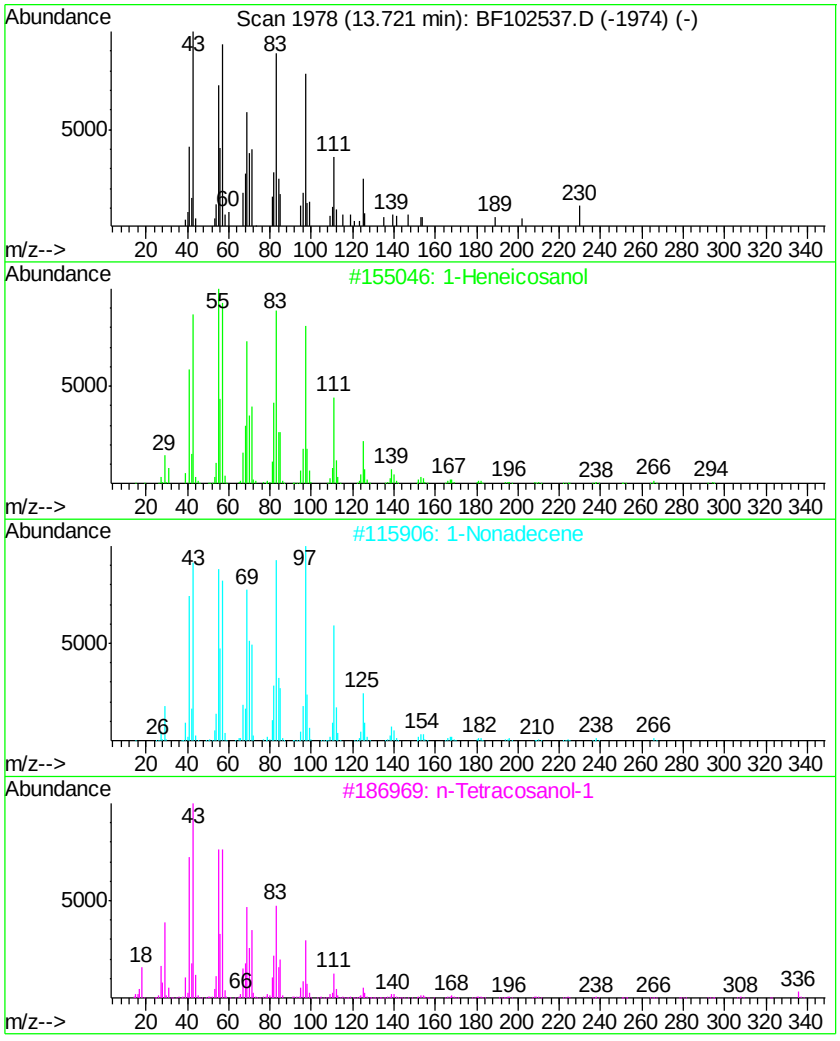
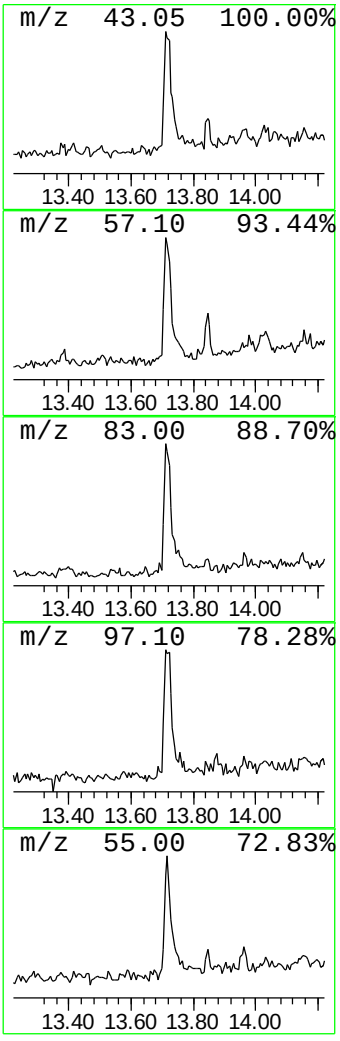
Peak Number 8 1-Heneicosanol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 2.66 ng | 123475 | Chrysene-d12 | 13.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 90 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 87 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102537.D
Acq On : 28 Jan 2018 3:26
Operator : SJ/JU
Sample : J1338-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-STONES

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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 |
| unknown2.23 | 2.23 | 3.8 | ng | 202352 | 1 | 6.72 | 1079540 | 20.0 |
| 2-Pentanone, 4-hy... | 4.92 | 4.8 | ng | 260739 | 1 | 6.72 | 1079540 | 20.0 |
| unknown6.49 | 6.49 | 79.0 | ng | 4264360 | 1 | 6.72 | 1079540 | 20.0 |
| Hexadecane | 9.67 | 2.1 | ng | 143288 | 3 | 9.75 | 1339610 | 20.0 |
| Pentadecane | 10.65 | 3.1 | ng | 167081 | 4 | 11.23 | 1087250 | 20.0 |
| 1-Heneicosanol | 13.72 | 2.7 | ng | 123475 | 5 | 13.87 | 928197 | 20.0 |