LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

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_G\METHODS\8270-BG101617.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 | 5.232 | 325 | 331 | 341 | rVB | 271829 | 417435 | 5.38% | 1.160% |
| 2 | 5.708 | 405 | 412 | 424 | rBV | 1542560 | 2472854 | 31.90% | 6.872% |
| 3 | 7.312 | 674 | 685 | 700 | rBV | 1598864 | 2857503 | 36.86% | 7.941% |
| 4 | 7.688 | 740 | 749 | 758 | rBV | 1560652 | 2708500 | 34.93% | 7.527% |
| 5 | 8.152 | 820 | 828 | 835 | rBV | 217036 | 370186 | 4.77% | 1.029% |
| 6 | 8.481 | 875 | 884 | 893 | rBV | 1154200 | 2025110 | 26.12% | 5.627% |
| 7 | 9.322 | 1018 | 1027 | 1041 | rBV | 928806 | 1704914 | 21.99% | 4.738% |
| 8 | 10.967 | 1299 | 1307 | 1318 | rBV | 314577 | 582247 | 7.51% | 1.618% |
| 9 | 13.399 | 1713 | 1721 | 1728 | rBV | 2903352 | 4721850 | 60.90% | 13.121% |
| 10 | 14.210 | 1853 | 1859 | 1867 | rBV | 167321 | 261400 | 3.37% | 0.726% |
| 11 | 14.768 | 1944 | 1954 | 1963 | rBV2 | 585852 | 950692 | 12.26% | 2.642% |
| 12 | 16.114 | 2176 | 2183 | 2190 | rBV | 95086 | 143398 | 1.85% | 0.398% |
| 13 | 16.255 | 2200 | 2207 | 2222 | rBV | 2719299 | 4247995 | 54.79% | 11.805% |
| 14 | 17.506 | 2413 | 2420 | 2430 | rBV2 | 807262 | 1252327 | 16.15% | 3.480% |
| 15 | 18.376 | 2563 | 2568 | 2579 | rBV2 | 91583 | 151722 | 1.96% | 0.422% |
| 16 | 20.103 | 2855 | 2862 | 2869 | rBV | 5613554 | 7752987 | 100.00% | 21.544% |
| 17 | 21.396 | 3077 | 3082 | 3094 | rBV2 | 121363 | 254496 | 3.28% | 0.707% |
| 18 | 21.778 | 3140 | 3147 | 3156 | rBV2 | 900202 | 1549833 | 19.99% | 4.307% |
| 19 | 25.080 | 3698 | 3709 | 3724 | rBV2 | 550659 | 1560674 | 20.13% | 4.337% |

Sum of corrected areas: 35986123

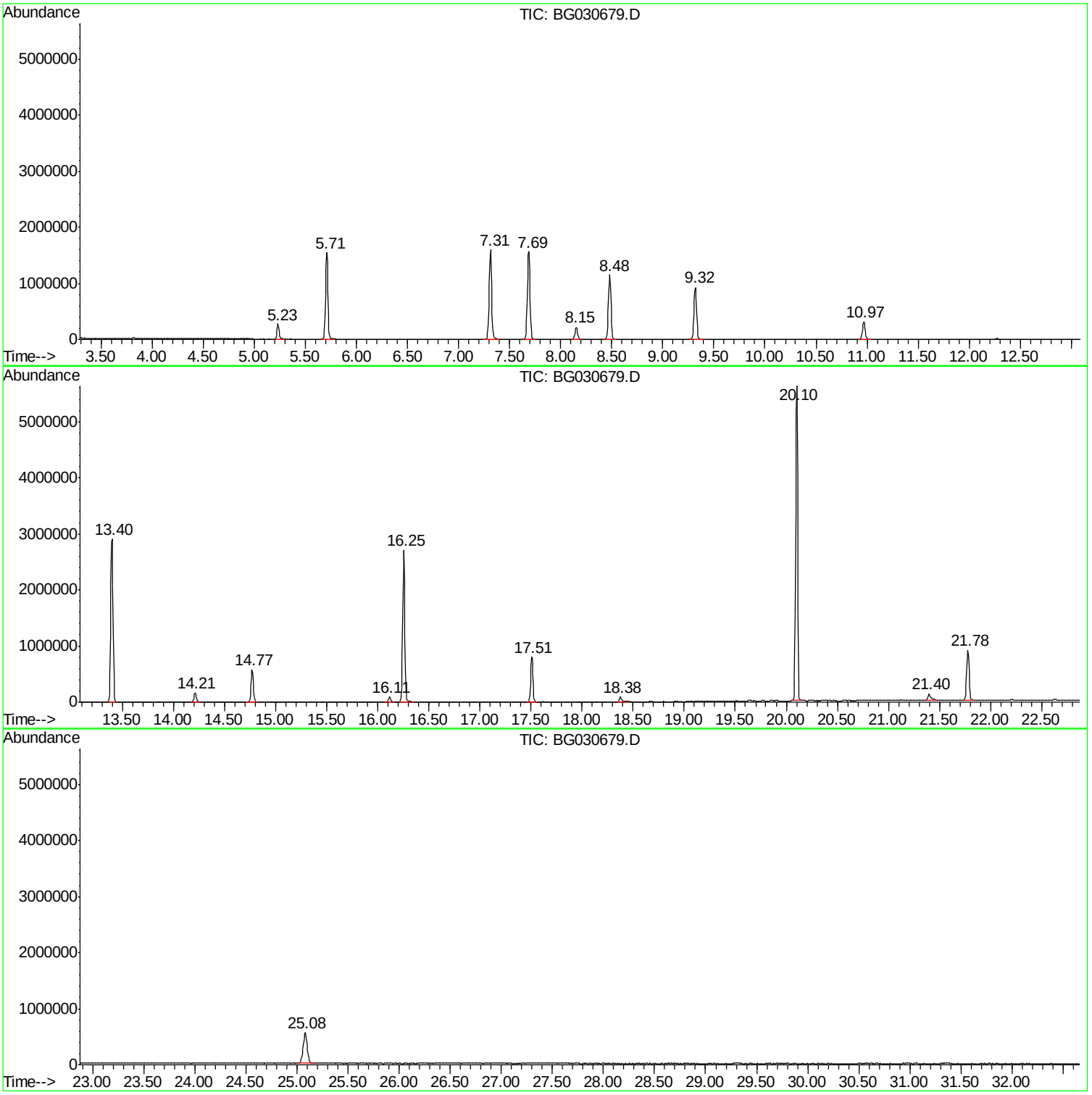
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

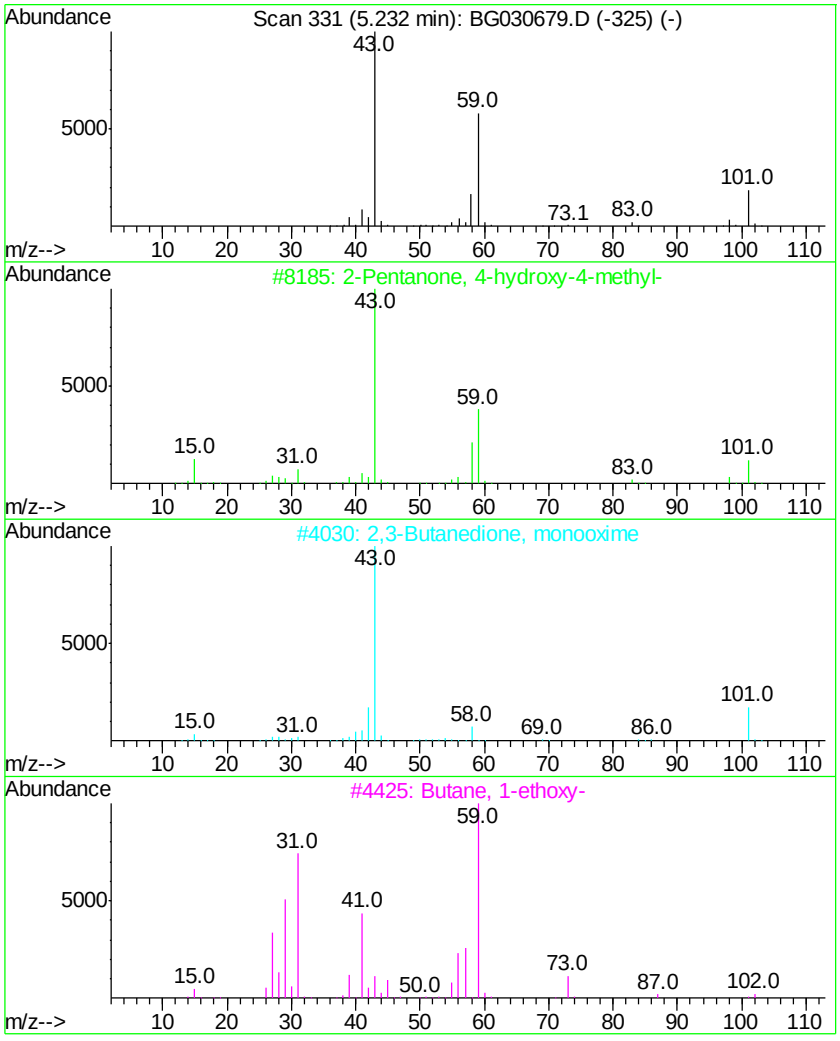
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

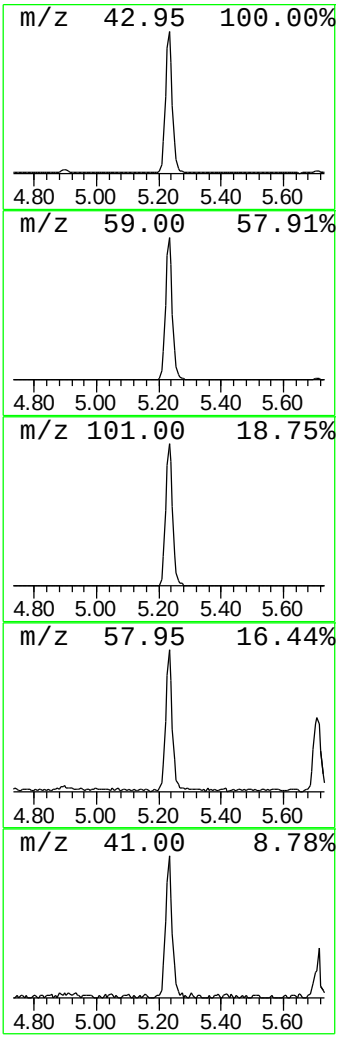
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.23 | 22.55 ng | 417435 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 10 |
| 3 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

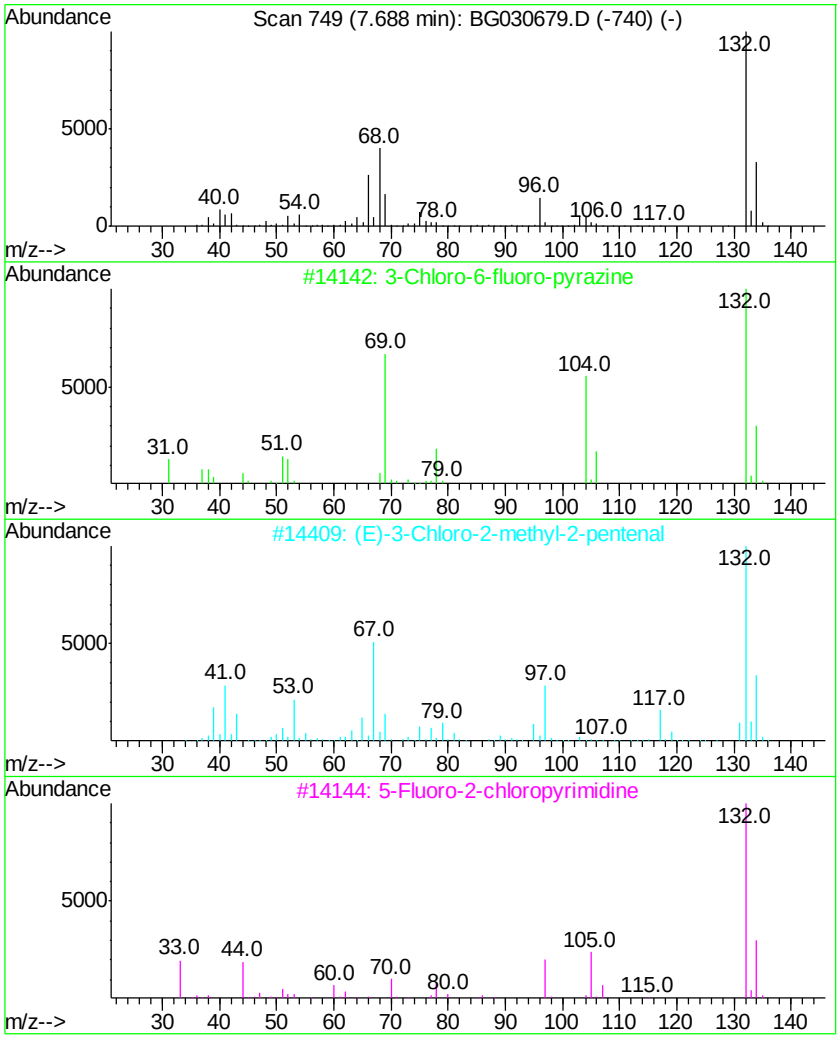
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

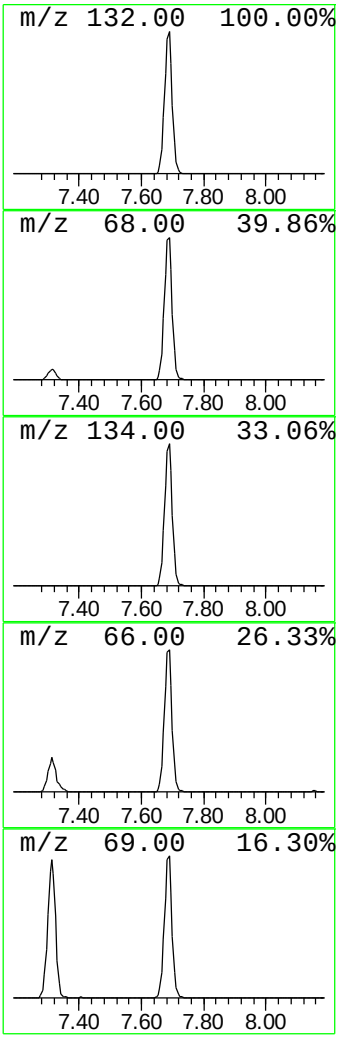
**********

Peak Number 2 unknown7.69 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.69 | 146.33 ng | 2708500 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.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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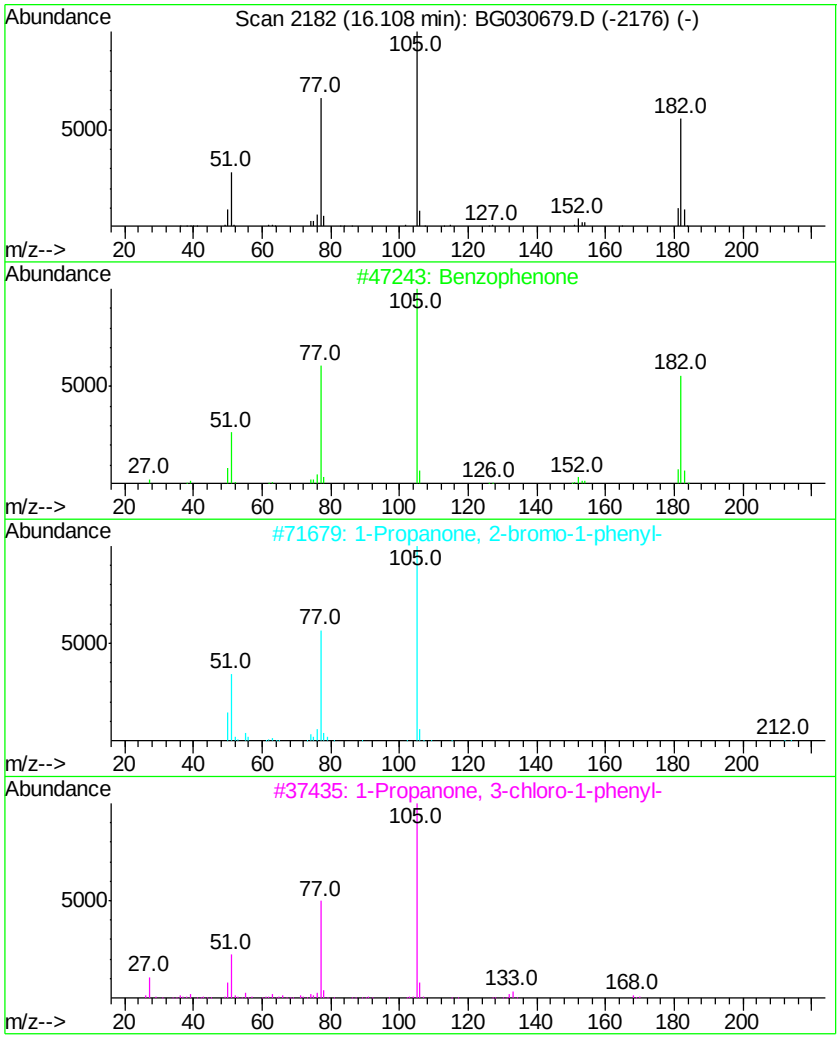
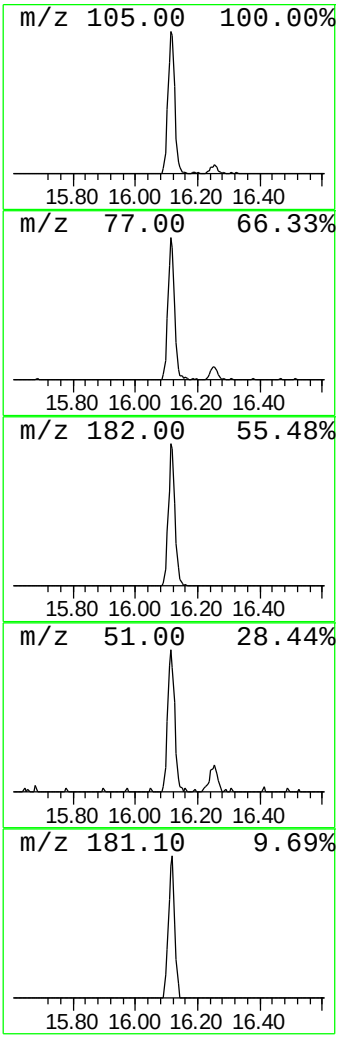
Peak Number 4 Benzophenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.11 | 3.02 ng | 143398 | Acenaphthene-d10 | 14.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1-Propanone, 2-bromo-1-phenyl- | 212 | C9H9BrO | 002114-00-3 | 47 |
| 3 | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO | 000936-59-4 | 43 |
| 4 | Benzoic acid, 2-(benzoylthio)thi... | 341 | C17H11NO3S2 | 1000258-72-7 | 43 |
| 5 | S-Benzoyl(thiohydroxylamine) | 153 | C7H7NOS | 025740-80-1 | 43 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

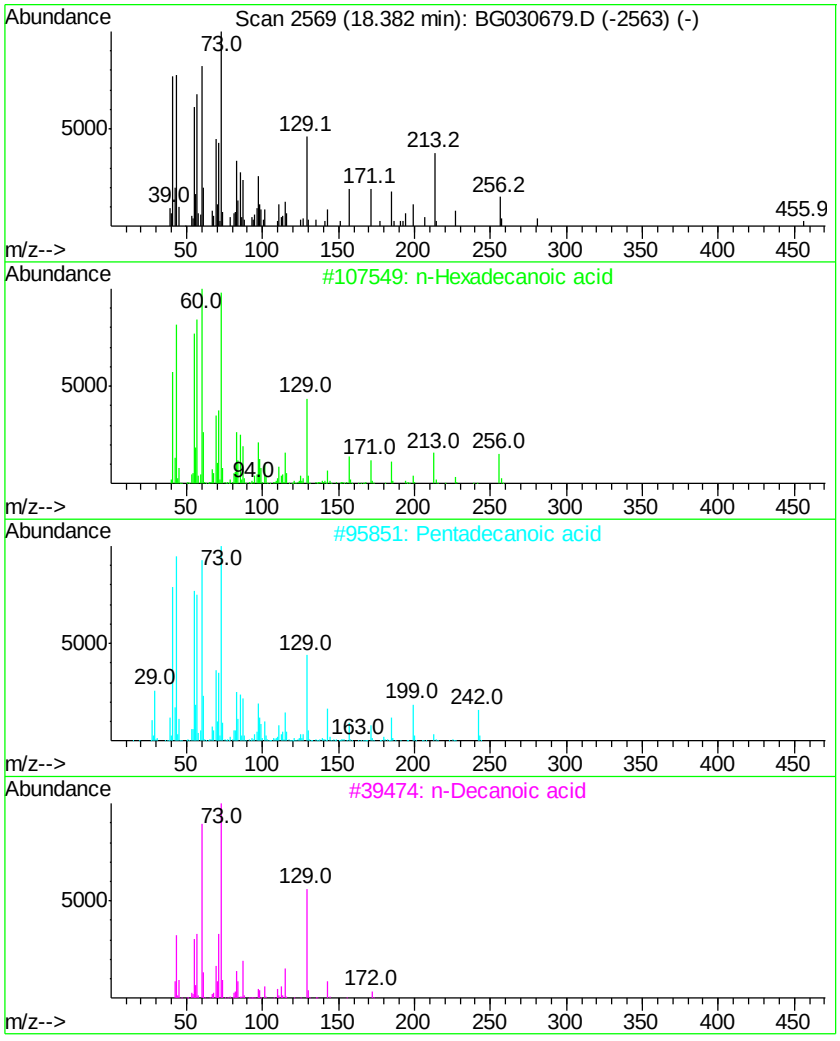
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

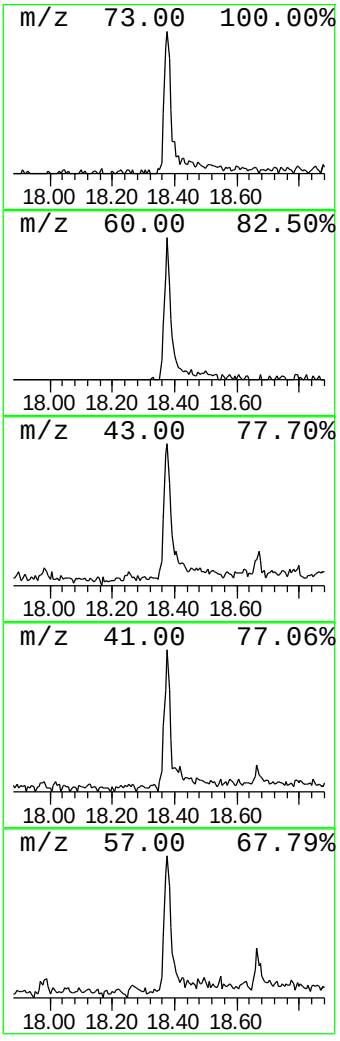
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 2.42 ng | 151722 | Phenanthrene-d10 | 17.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 89 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

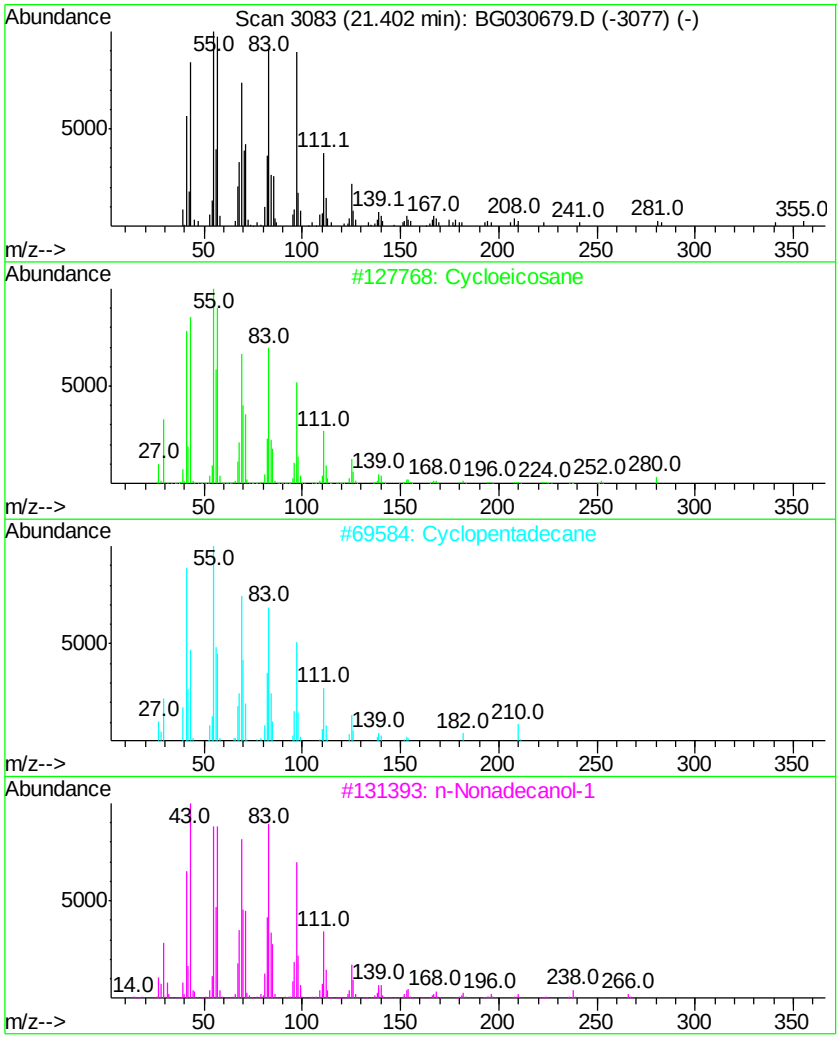
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

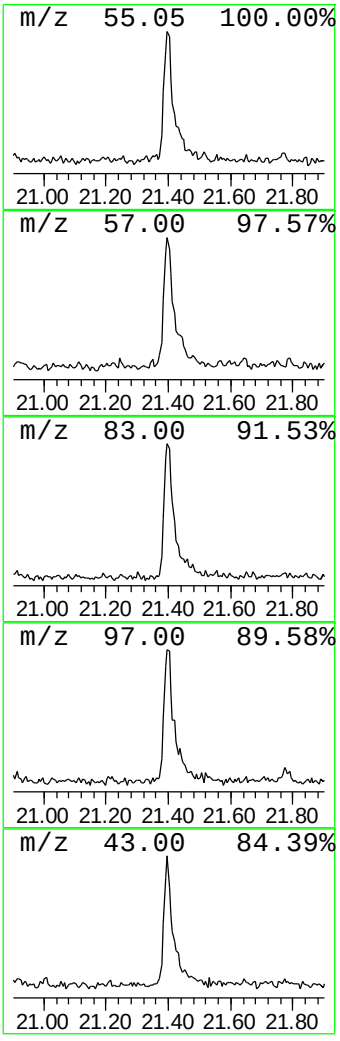
**********

Peak Number 6 Cycloeicosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.40 | 3.28 ng | 254496 | Chrysene-d12 | 21.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 98 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 96 |
| 3 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 95 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG110217\
Data File : BG030679.D
Acq On : 3 Nov 2017 1:40
Operator : SJ/JU
Sample : I6280-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EPE-110-1(35-37)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG101617.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... | 5.23 | 22.6 | ng | 417435 | 1 | 8.15 | 370186 | 20.0 |
| unknown7.69 | 7.69 | 146.3 | ng | 2708500 | 1 | 8.15 | 370186 | 20.0 |
| Benzophenone | 16.11 | 3.0 | ng | 143398 | 3 | 14.77 | 950692 | 20.0 |
| n-Hexadecanoic acid | 18.38 | 2.4 | ng | 151722 | 4 | 17.51 | 1252330 | 20.0 |
| Cycloeicosane | 21.40 | 3.3 | ng | 254496 | 5 | 21.78 | 1549830 | 20.0 |