LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

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-BG011218.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 | 5.670 | 398 | 405 | 411 | rBV | 31858 | 53238 | 1.78% | 0.339% |
| 2 | 6.169 | 482 | 490 | 502 | rBV | 508108 | 894536 | 29.95% | 5.704% |
| 3 | 7.850 | 768 | 776 | 788 | rBV | 524686 | 973289 | 32.59% | 6.207% |
| 4 | 8.255 | 837 | 845 | 855 | rBV | 557101 | 1020783 | 34.18% | 6.509% |
| 5 | 8.743 | 921 | 928 | 937 | rVB | 153138 | 280373 | 9.39% | 1.788% |
| 6 | 9.078 | 977 | 985 | 992 | rBV | 433715 | 801227 | 26.83% | 5.109% |
| 7 | 9.130 | 992 | 994 | 1002 | rVB2 | 23373 | 29916 | 1.00% | 0.191% |
| 8 | 9.941 | 1123 | 1132 | 1147 | rVB | 305343 | 585725 | 19.61% | 3.735% |
| 9 | 11.627 | 1409 | 1419 | 1431 | rBV | 202016 | 391917 | 13.12% | 2.499% |
| 10 | 12.885 | 1627 | 1633 | 1642 | rBB2 | 21609 | 34805 | 1.17% | 0.222% |
| 11 | 14.007 | 1814 | 1824 | 1836 | rBV | 971341 | 1577946 | 52.84% | 10.062% |
| 12 | 14.800 | 1953 | 1959 | 1964 | rBV | 97968 | 141992 | 4.75% | 0.905% |
| 13 | 15.376 | 2051 | 2057 | 2065 | rBV2 | 365047 | 632036 | 21.16% | 4.030% |
| 14 | 16.710 | 2278 | 2284 | 2291 | rVB | 116927 | 168270 | 5.63% | 1.073% |
| 15 | 16.851 | 2301 | 2308 | 2320 | rBV | 1114157 | 1750143 | 58.60% | 11.160% |
| 16 | 18.114 | 2515 | 2523 | 2534 | rBV | 541603 | 876423 | 29.35% | 5.589% |
| 17 | 18.931 | 2655 | 2662 | 2667 | rBV5 | 26577 | 46403 | 1.55% | 0.296% |
| 18 | 20.646 | 2948 | 2954 | 2962 | rBV | 2256020 | 2986425 | 100.00% | 19.044% |
| 19 | 21.986 | 3175 | 3182 | 3187 | rBV7 | 45820 | 82347 | 2.76% | 0.525% |
| 20 | 22.103 | 3198 | 3202 | 3207 | rBV2 | 17748 | 32110 | 1.08% | 0.205% |
| 21 | 22.444 | 3252 | 3260 | 3272 | rVB2 | 631682 | 1164280 | 38.99% | 7.424% |
| 22 | 26.146 | 3878 | 3890 | 3904 | rVB2 | 352551 | 1157565 | 38.76% | 7.382% |

Sum of corrected areas: 15681749

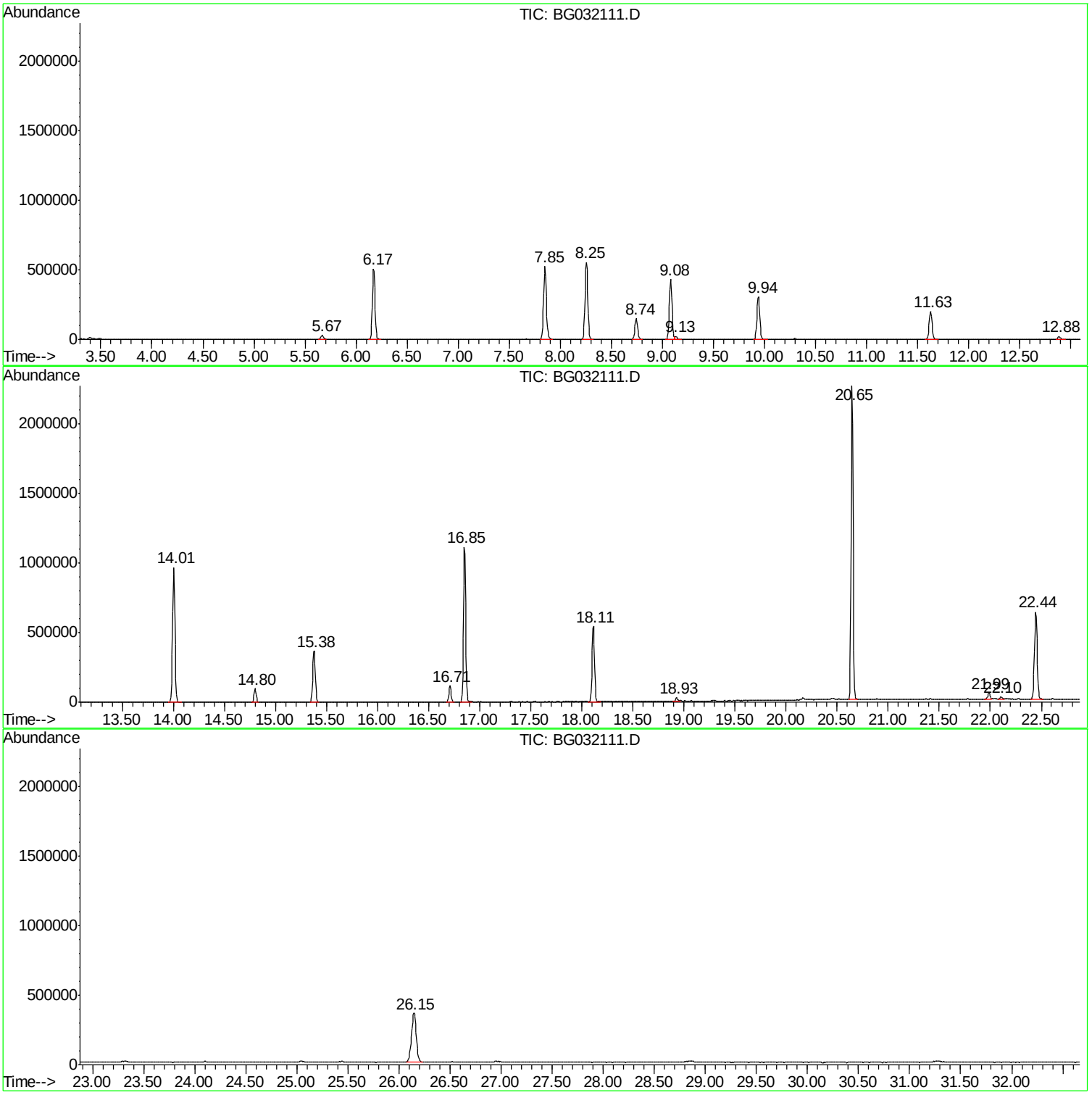
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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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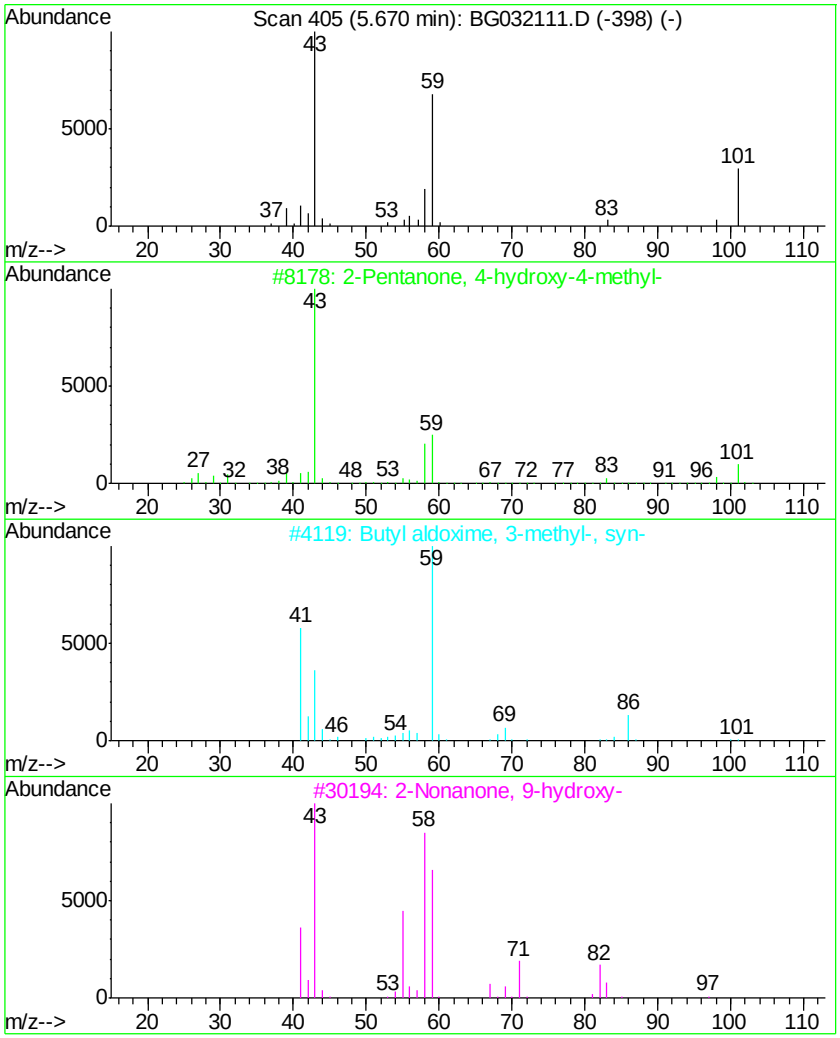
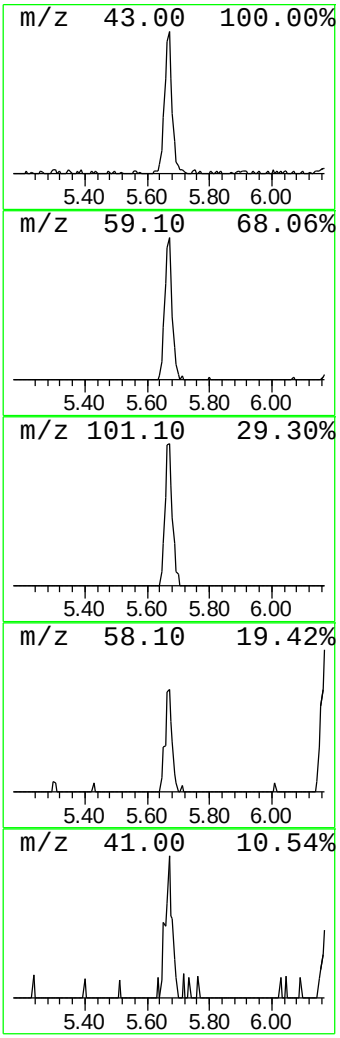
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.67 | 3.80 ng | 53238 | 1,4-Dichlorobenzene-d4 | 8.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 32 |
| 3 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 25 |
| 4 | tert-Butyl Hydroperoxide | 90 | C4H10O2 | 000075-91-2 | 23 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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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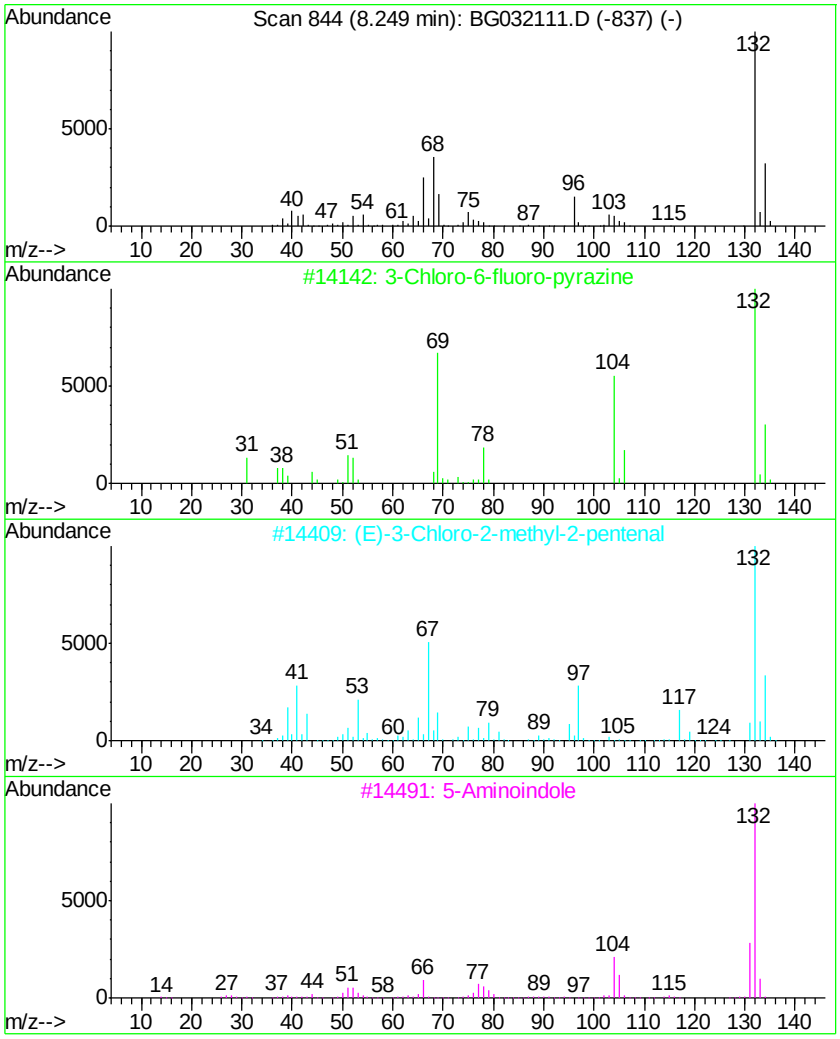
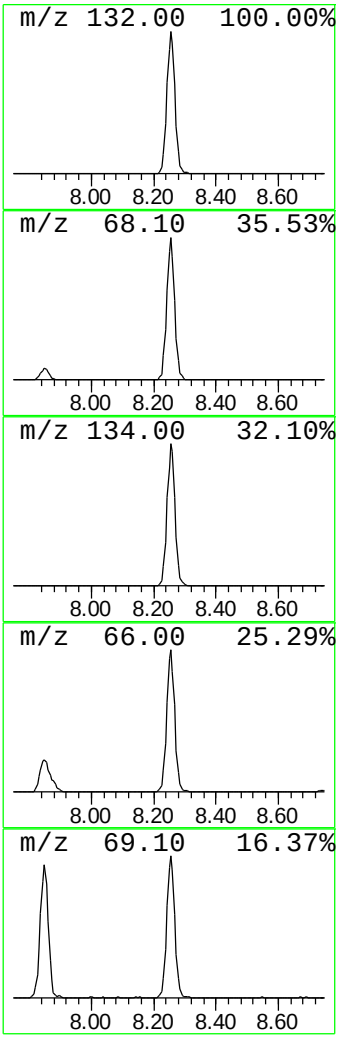
Peak Number 2 unknown8.25 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.25 | 72.82 ng | 1020780 | 1,4-Dichlorobenzene-d4 | 8.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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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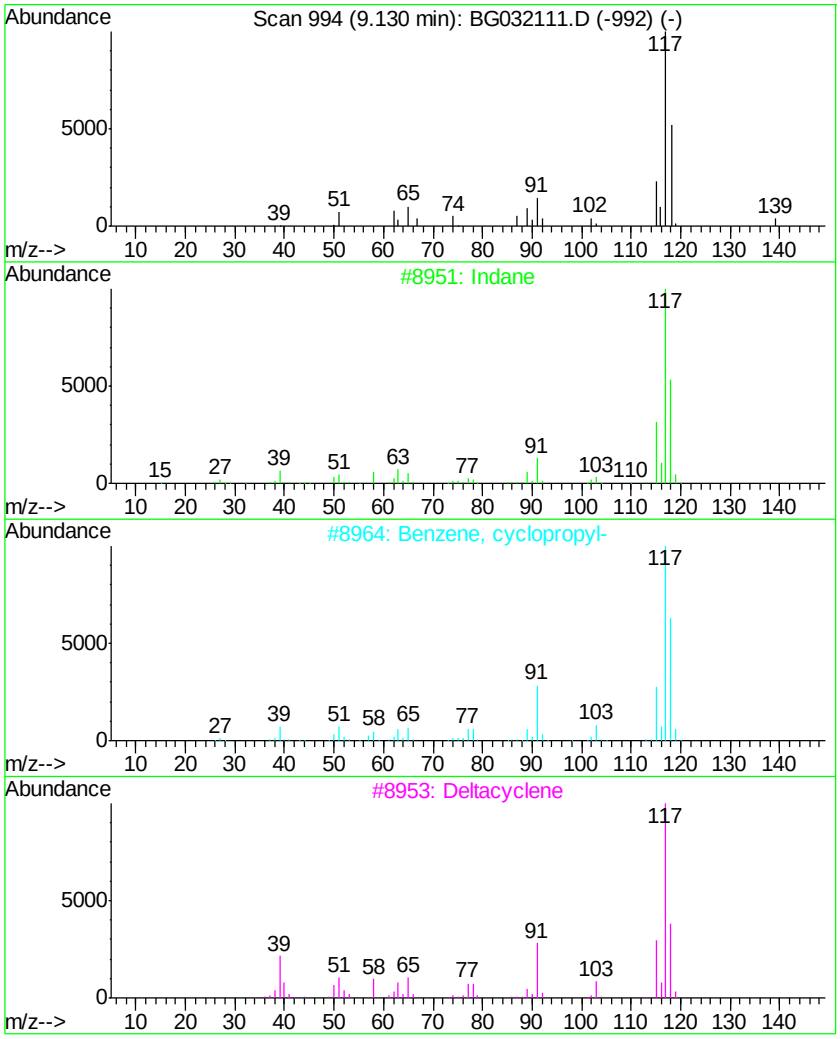
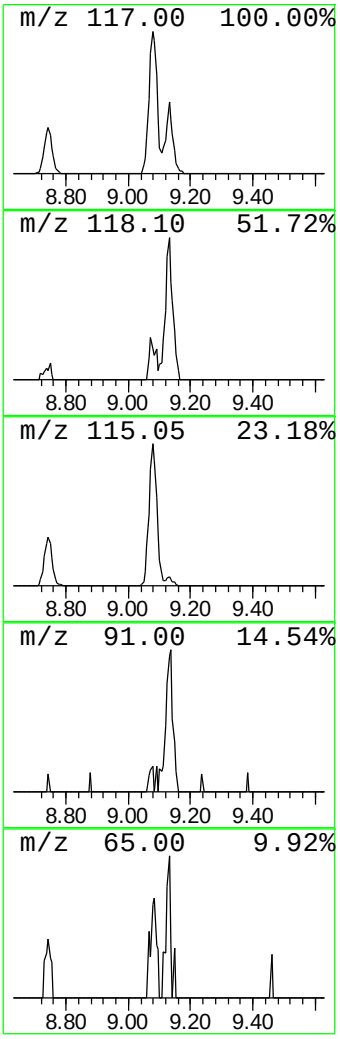
Peak Number 4 Indane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.13 | 2.13 ng | 29916 | 1,4-Dichlorobenzene-d4 | 8.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 72 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 72 |
| 3 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 72 |
| 4 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 68 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 64 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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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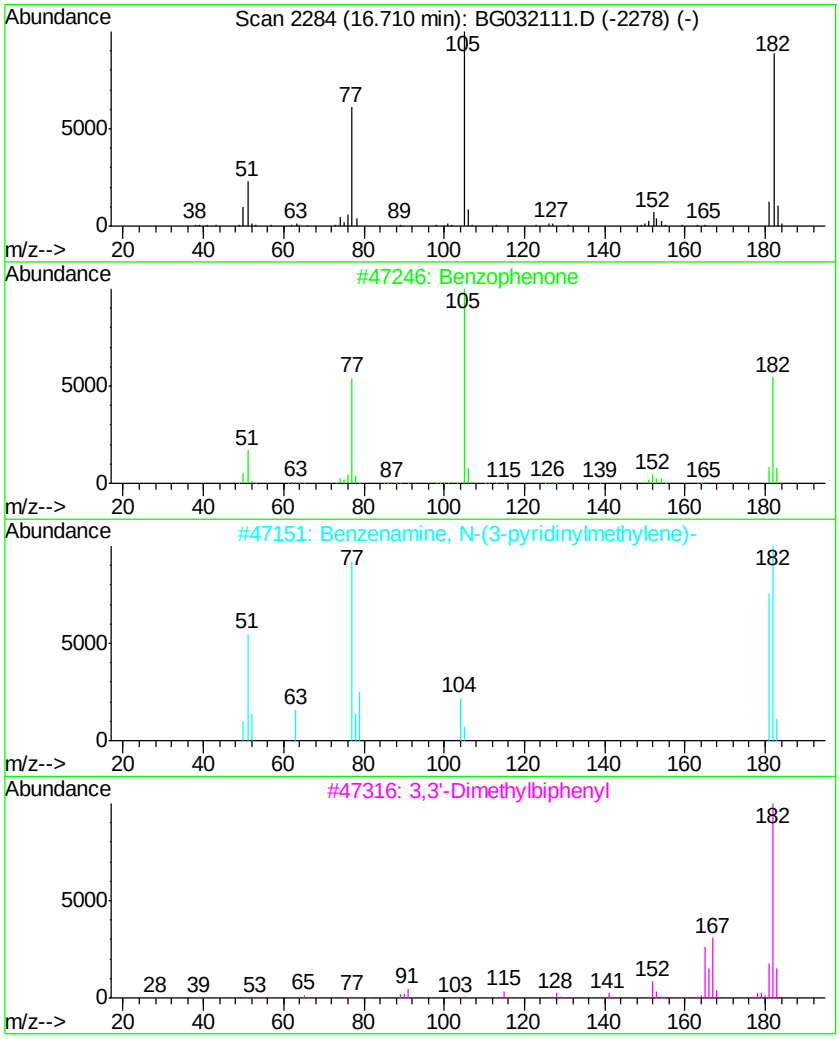
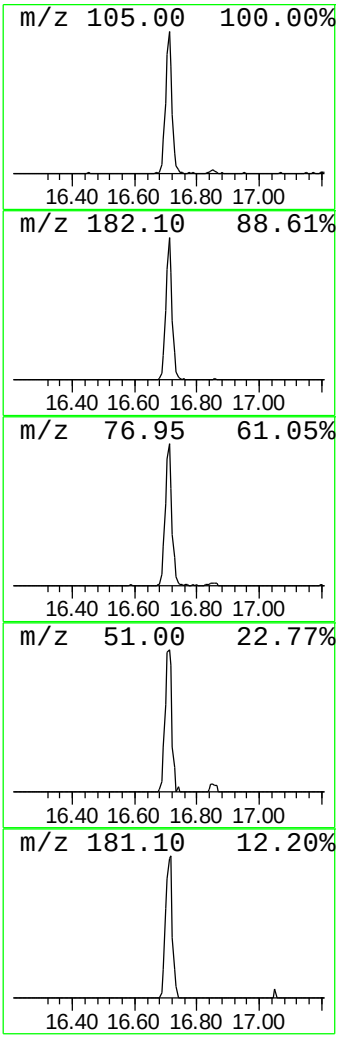
Peak Number 5 Benzophenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.71 | 5.32 ng | 168270 | Acenaphthene-d10 | 15.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 59 |
| 3 | 3,3'-Dimethylbiphenyl | 182 | C14H14 | 000612-75-9 | 43 |
| 4 | Benzoylformic acid | 150 | C8H6O3 | 000611-73-4 | 38 |
| 5 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 30 |



# Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG011718\
Data File : BG032111.D
Acq On : 17 Jan 2018 21:43
Operator : SJ/JU
Sample : J1165-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 19B-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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... | 5.67 | 3.8 | ng | 53238 | 1 | 8.74 | 280373 | 20.0 |
| unknown8.25 | 8.25 | 72.8 | ng | 1020780 | 1 | 8.74 | 280373 | 20.0 |
| Indane | 9.13 | 2.1 | ng | 29916 | 1 | 8.74 | 280373 | 20.0 |
| Benzophenone | 16.71 | 5.3 | ng | 168270 | 3 | 15.38 | 632036 | 20.0 |