LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
Data File : BG043411.D
Acq On : 30 Oct 2019 21:50
Operator : JU
Sample : K5599-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** Z3-20A

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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 | 3.193 | 13 | 18 | 28 | rVB | 111288 | 178501 | 5.91% | 1.162% |
| 2 | 5.126 | 340 | 347 | 359 | rBV | 109081 | 179531 | 5.94% | 1.169% |
| 3 | 5.608 | 422 | 429 | 444 | rBV | 519566 | 935914 | 30.98% | 6.095% |
| 4 | 7.206 | 693 | 701 | 719 | rBV | 572899 | 1100189 | 36.42% | 7.165% |
| 5 | 7.564 | 754 | 762 | 774 | rBV | 601844 | 1075114 | 35.59% | 7.002% |
| 6 | 8.023 | 833 | 840 | 850 | rVB | 140840 | 248022 | 8.21% | 1.615% |
| 7 | 8.346 | 887 | 895 | 906 | rBV | 452025 | 813659 | 26.94% | 5.299% |
| 8 | 9.180 | 1030 | 1037 | 1052 | rBV | 292782 | 634266 | 21.00% | 4.131% |
| 9 | 10.831 | 1307 | 1318 | 1329 | rBV | 157684 | 334376 | 11.07% | 2.178% |
| 10 | 13.269 | 1726 | 1733 | 1752 | rBV | 988677 | 1741528 | 57.65% | 11.342% |
| 11 | 14.098 | 1869 | 1874 | 1888 | rBV | 62647 | 126725 | 4.20% | 0.825% |
| 12 | 14.650 | 1961 | 1968 | 1984 | rBV | 317686 | 544356 | 18.02% | 3.545% |
| 13 | 16.137 | 2214 | 2221 | 2243 | rBV | 882121 | 1542466 | 51.06% | 10.045% |
| 14 | 17.394 | 2428 | 2435 | 2451 | rBV | 397413 | 683189 | 22.62% | 4.449% |
| 15 | 17.511 | 2451 | 2455 | 2464 | rVB4 | 26293 | 44401 | 1.47% | 0.289% |
| 16 | 18.287 | 2582 | 2587 | 2597 | rBV6 | 19821 | 46049 | 1.52% | 0.300% |
| 17 | 20.003 | 2872 | 2879 | 2894 | rBV | 2178253 | 3020690 | 100.00% | 19.672% |
| 18 | 21.319 | 3096 | 3103 | 3110 | rBV4 | 25885 | 65275 | 2.16% | 0.425% |
| 19 | 21.383 | 3110 | 3114 | 3124 | rVB | 45935 | 92796 | 3.07% | 0.604% |
| 20 | 21.659 | 3153 | 3161 | 3175 | rBV | 457434 | 864353 | 28.61% | 5.629% |
| 21 | 23.134 | 3406 | 3412 | 3416 | rBV3 | 25585 | 46290 | 1.53% | 0.301% |
| 22 | 23.927 | 3538 | 3547 | 3557 | rBV4 | 26515 | 62652 | 2.07% | 0.408% |
| 23 | 24.856 | 3694 | 3705 | 3719 | rBV | 317609 | 934149 | 30.93% | 6.084% |
| 24 | 25.972 | 3890 | 3895 | 3902 | rVB9 | 16487 | 40449 | 1.34% | 0.263% |

Sum of corrected areas: 15354940

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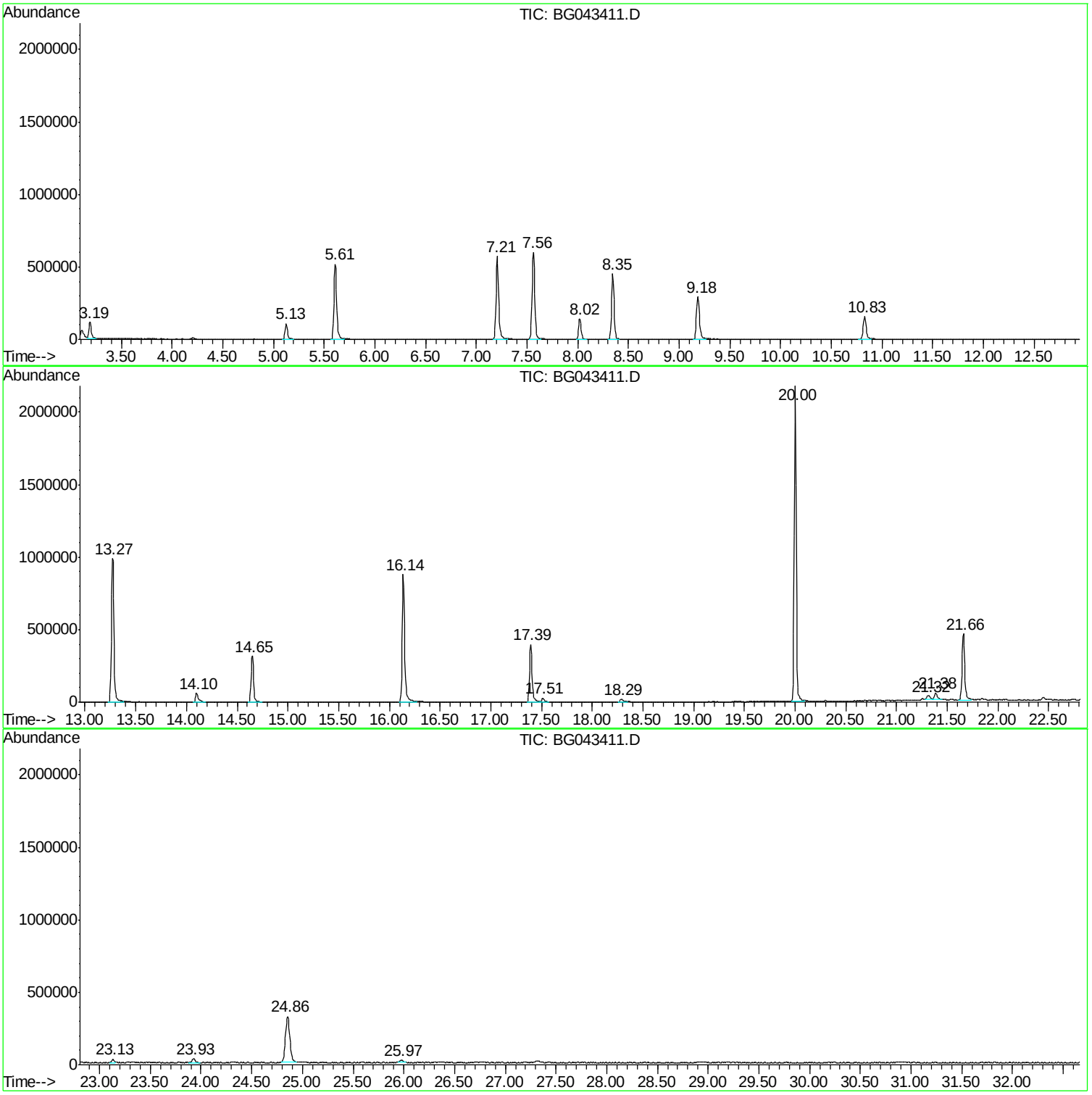
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
Z3-20A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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 : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
Data File : BG043411.D
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ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** Z3-20A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

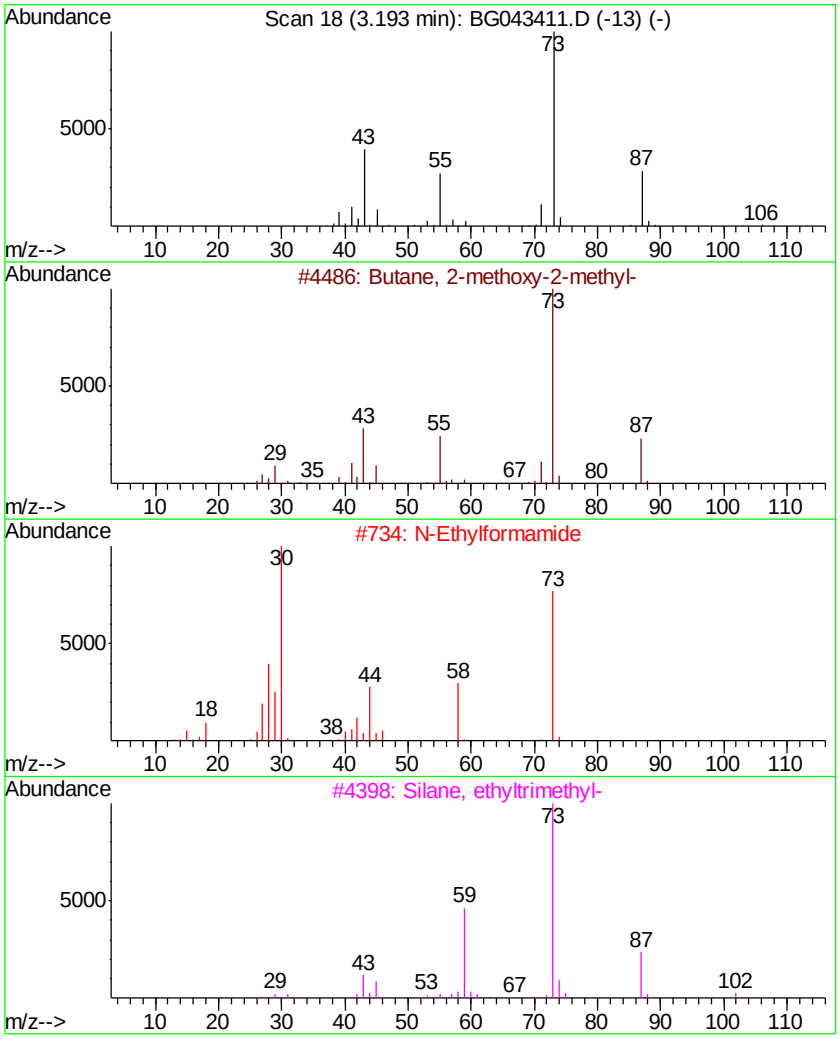
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

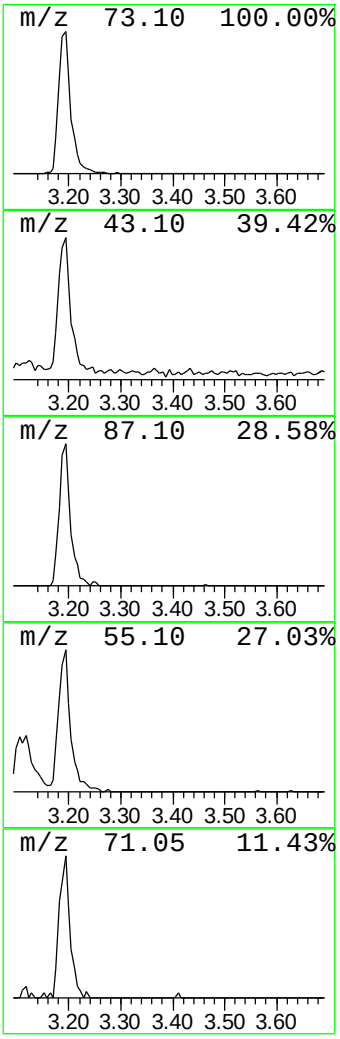
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 14.39 ng | 178501 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 74 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 9 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 9 |
| 5 | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 9 |



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Data File : BG043411.D
Acq On : 30 Oct 2019 21:50
Operator : JU
Sample : K5599-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** Z3-20A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

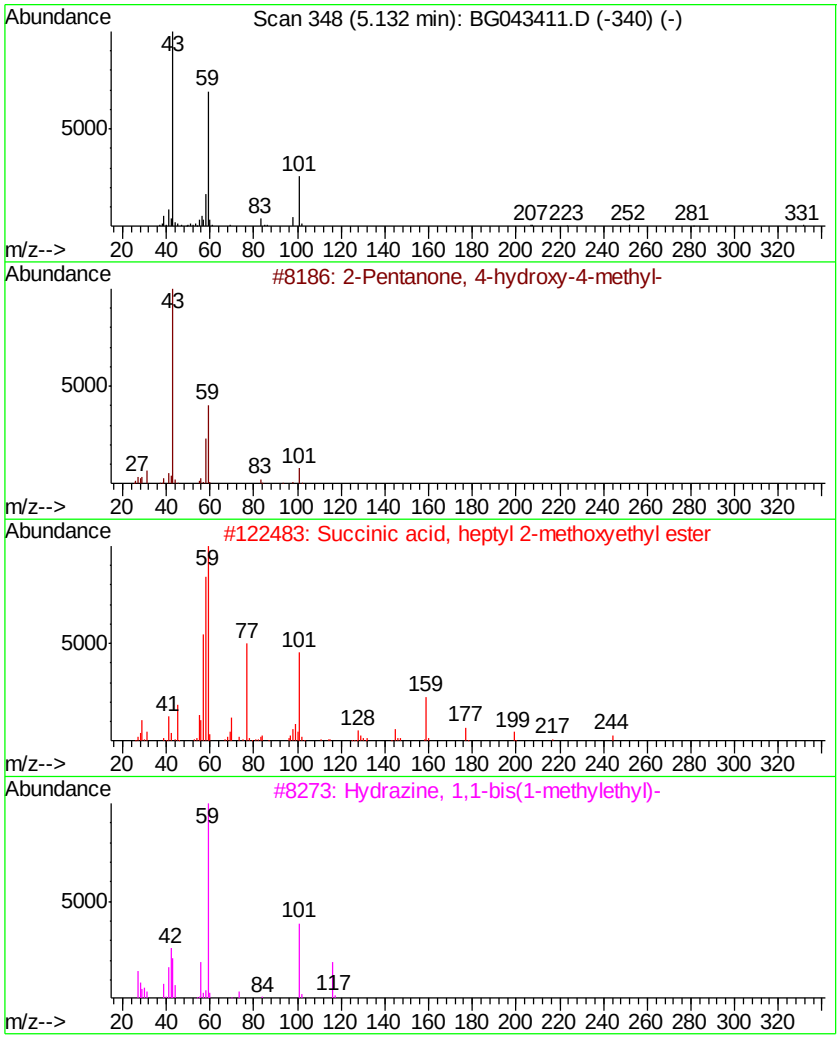
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

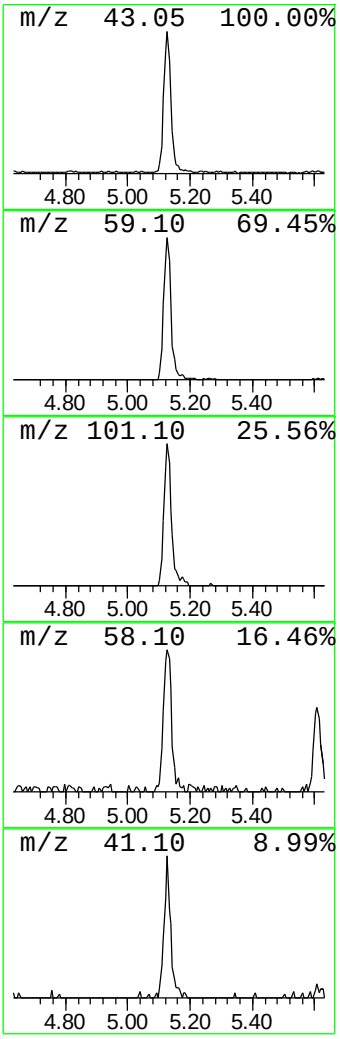
**********

Peak Number 2 unknown5.13 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 14.48 ng | 179531 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 39 |
| 2 | Succinic acid, heptyl 2-methoxye... | 274 | C14H26O5 | 1000325-80-7 | 33 |
| 3 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 17 |



Library Search Compound Report

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Data File : BG043411.D
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Operator : JU
Sample : K5599-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** Z3-20A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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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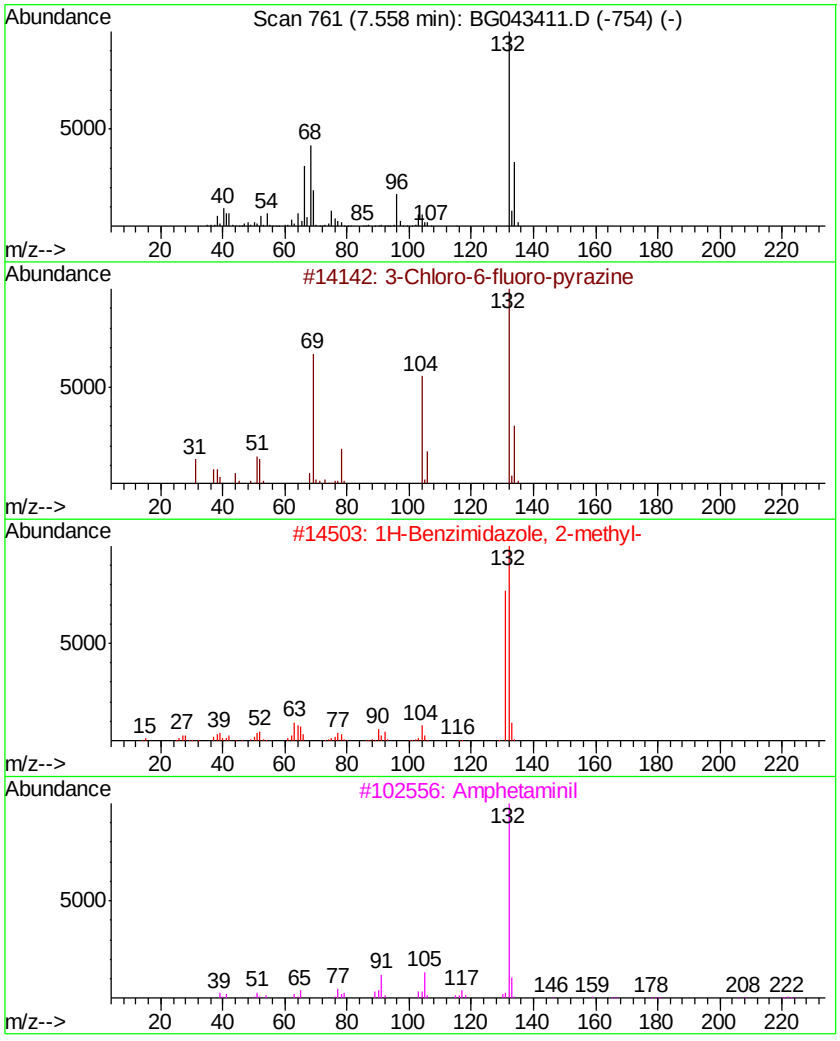
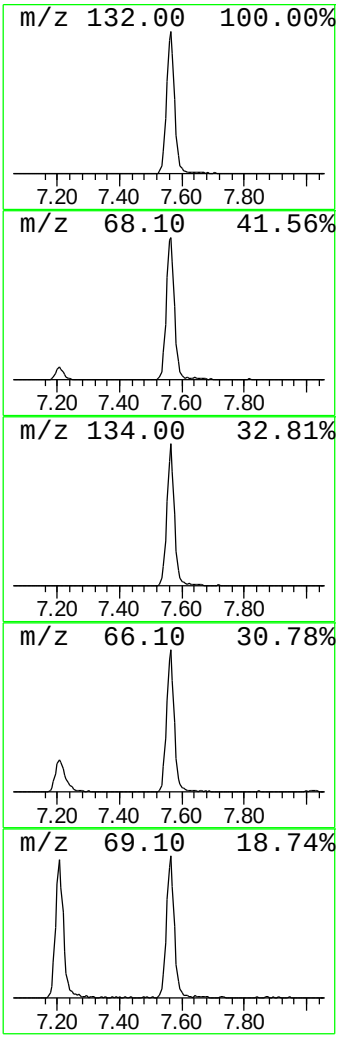
Peak Number 3 unknown7.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.56 | 86.70 ng | 1075110 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 3 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 16 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 16 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 12 |



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ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** Z3-20A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
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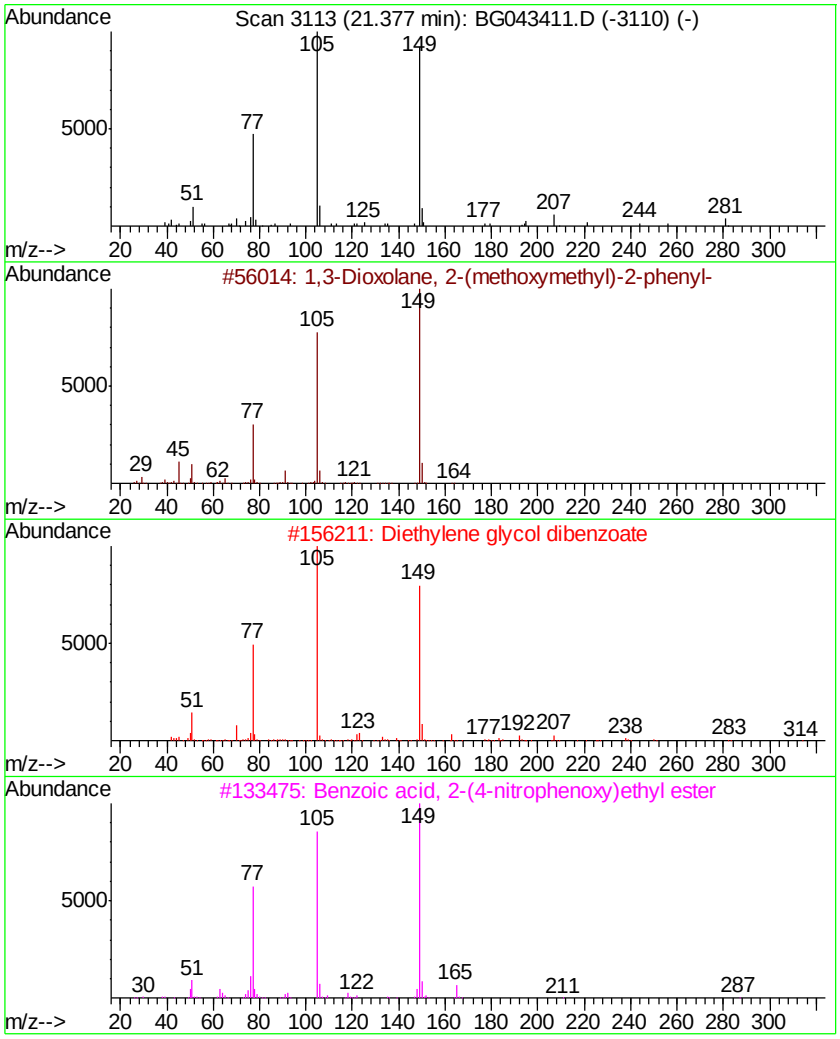
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

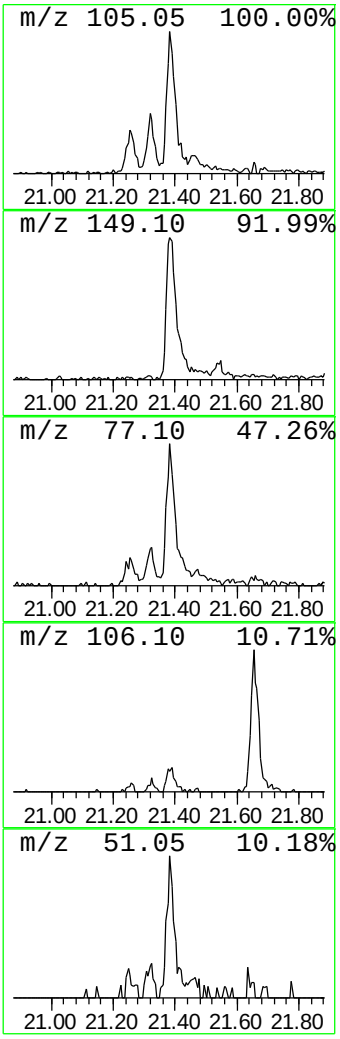
**********

Peak Number 5 1,3-Dioxolane, 2-(methoxyme... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.38 | 2.15 ng | 92796 | Chrysene-d12 | 21.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3 | 1000156-71-2 | 78 |
| 2 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 78 |
| 3 | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 78 |
| 4 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 45 |
| 5 | 2-(2-Carboxyvinyl)pyridine, trans | 149 | C8H7NO2 | 007340-22-9 | 38 |



Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.19 | 14.4 | ng | 178501 | 1 | 8.02 | 248022 | 20.0 |
| unknown5.13 | 5.13 | 14.5 | ng | 179531 | 1 | 8.02 | 248022 | 20.0 |
| unknown7.56 | 7.56 | 86.7 | ng | 1075110 | 1 | 8.02 | 248022 | 20.0 |
| 1,3-Dioxolane, 2-... | 21.38 | 2.1 | ng | 92796 | 5 | 21.66 | 864353 | 20.0 |