LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
Data File : BG040251.D
Acq On : 30 Mar 2019 7:55
Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

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-BG032719.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 | 3.123 | 3 | 6 | 14 | rVB | 366129 | 571180 | 12.25% | 2.639% |
| 2 | 3.193 | 14 | 18 | 35 | rVB | 376152 | 571784 | 12.26% | 2.642% |
| 3 | 5.144 | 344 | 350 | 359 | rBV2 | 29666 | 48227 | 1.03% | 0.223% |
| 4 | 5.608 | 422 | 429 | 440 | rBV | 451077 | 717711 | 15.39% | 3.316% |
| 5 | 7.206 | 694 | 701 | 711 | rBV | 276218 | 490383 | 10.52% | 2.266% |
| 6 | 7.582 | 757 | 765 | 779 | rBV | 845604 | 1465377 | 31.43% | 6.770% |
| 7 | 8.052 | 839 | 845 | 858 | rVB | 188360 | 338050 | 7.25% | 1.562% |
| 8 | 8.376 | 891 | 900 | 912 | rBV | 707255 | 1244550 | 26.69% | 5.750% |
| 9 | 9.233 | 1034 | 1046 | 1059 | rBV | 645637 | 1191622 | 25.56% | 5.505% |
| 10 | 10.873 | 1318 | 1325 | 1335 | rVB | 272470 | 498942 | 10.70% | 2.305% |
| 11 | 13.311 | 1732 | 1740 | 1751 | rBV | 1776899 | 2864366 | 61.44% | 13.233% |
| 12 | 14.686 | 1966 | 1974 | 1984 | rVB2 | 486699 | 770369 | 16.52% | 3.559% |
| 13 | 16.172 | 2221 | 2227 | 2244 | rBV | 1481983 | 2288677 | 49.09% | 10.574% |
| 14 | 17.430 | 2435 | 2441 | 2449 | rBV2 | 674782 | 1039203 | 22.29% | 4.801% |
| 15 | 17.541 | 2455 | 2460 | 2465 | rBV4 | 36205 | 46667 | 1.00% | 0.216% |
| 16 | 20.038 | 2878 | 2885 | 2893 | rBV | 3232409 | 4662223 | 100.00% | 21.539% |
| 17 | 21.713 | 3163 | 3170 | 3178 | rVB | 698710 | 1181040 | 25.33% | 5.456% |
| 18 | 22.471 | 3293 | 3299 | 3304 | rBV3 | 44960 | 76338 | 1.64% | 0.353% |
| 19 | 23.164 | 3410 | 3417 | 3425 | rBV2 | 69220 | 128470 | 2.76% | 0.594% |
| 20 | 23.981 | 3549 | 3556 | 3564 | rBV2 | 61804 | 132615 | 2.84% | 0.613% |
| 21 | 25.009 | 3712 | 3731 | 3746 | rVB3 | 296519 | 1249985 | 26.81% | 5.775% |
| 22 | 26.090 | 3907 | 3915 | 3926 | rBV6 | 21615 | 67246 | 1.44% | 0.311% |

Sum of corrected areas: 21645025

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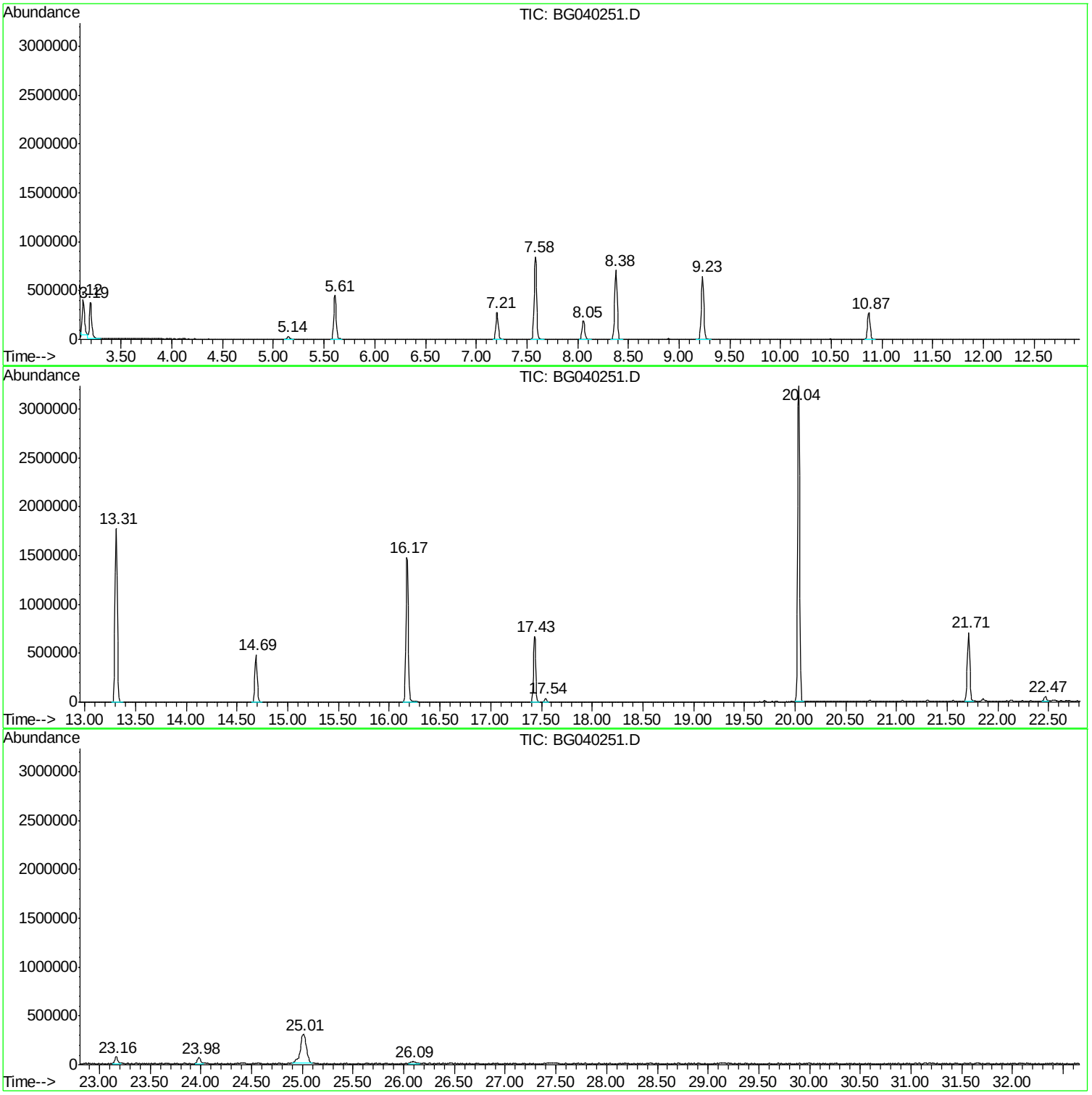
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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\BG032919\
Data File : BG040251.D
Acq On : 30 Mar 2019 7:55
Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

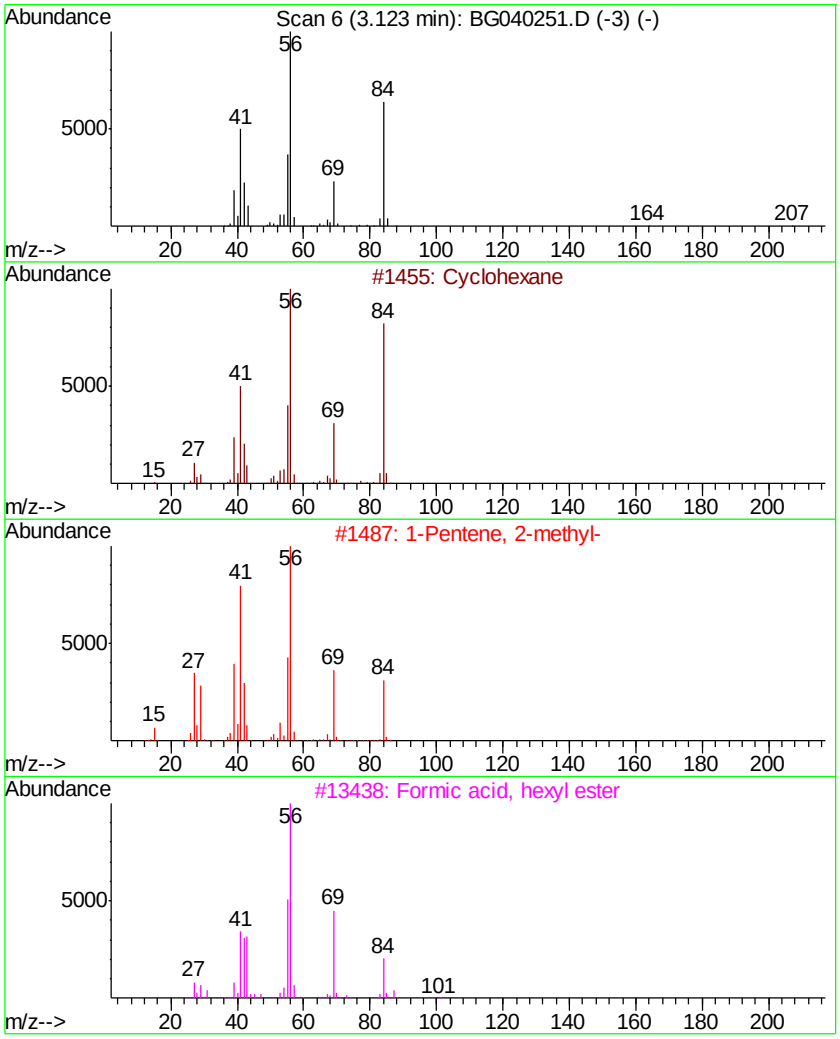
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

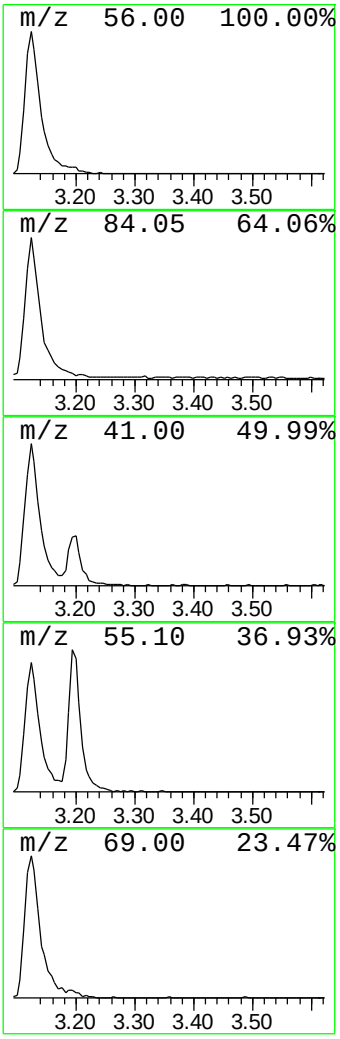
**********

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.12 | 33.79 ng | 571180 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 94 |
| 2 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 72 |
| 3 | Formic acid, hexyl ester | 130 | C7H14O2 | 000629-33-4 | 64 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 59 |
| 5 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
Data File : BG040251.D
Acq On : 30 Mar 2019 7:55
Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

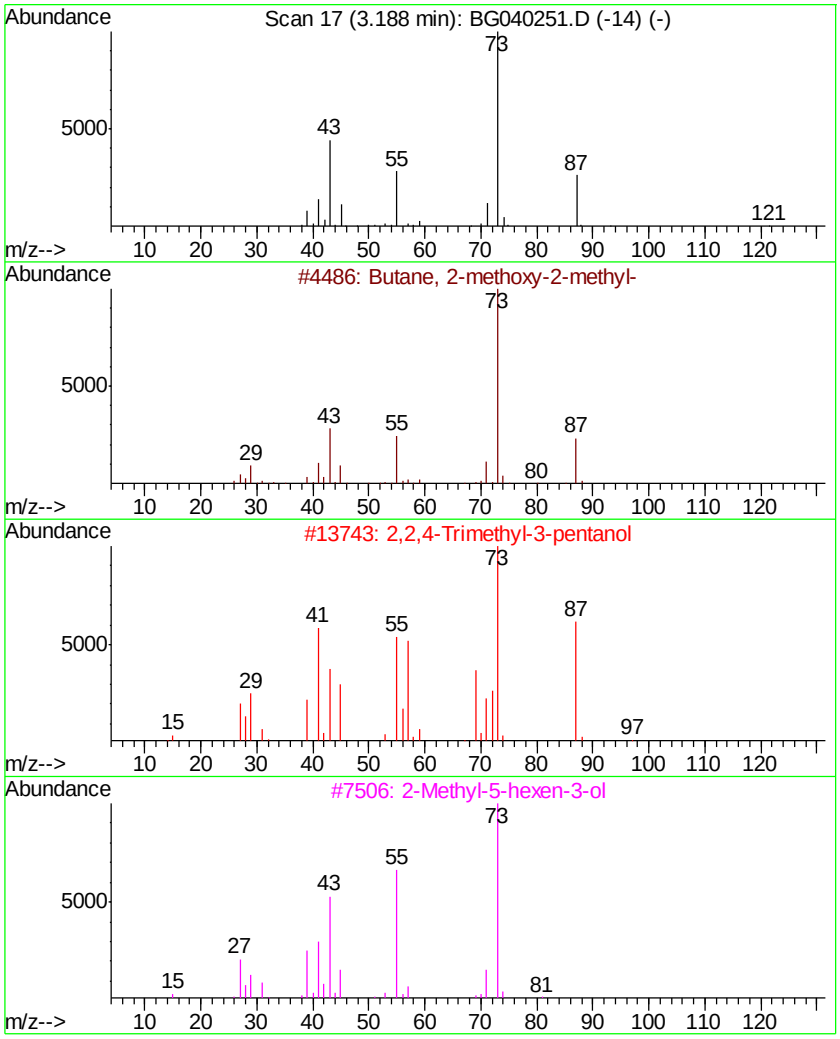
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

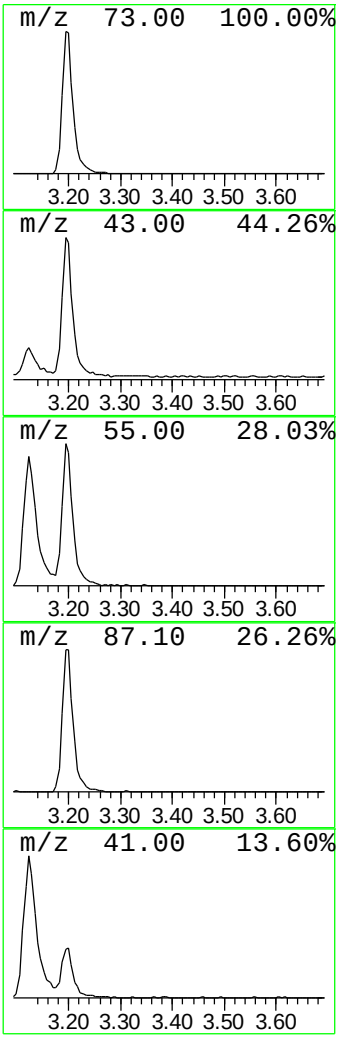
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 33.83 ng | 571784 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 38 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
Data File : BG040251.D
Acq On : 30 Mar 2019 7:55
Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

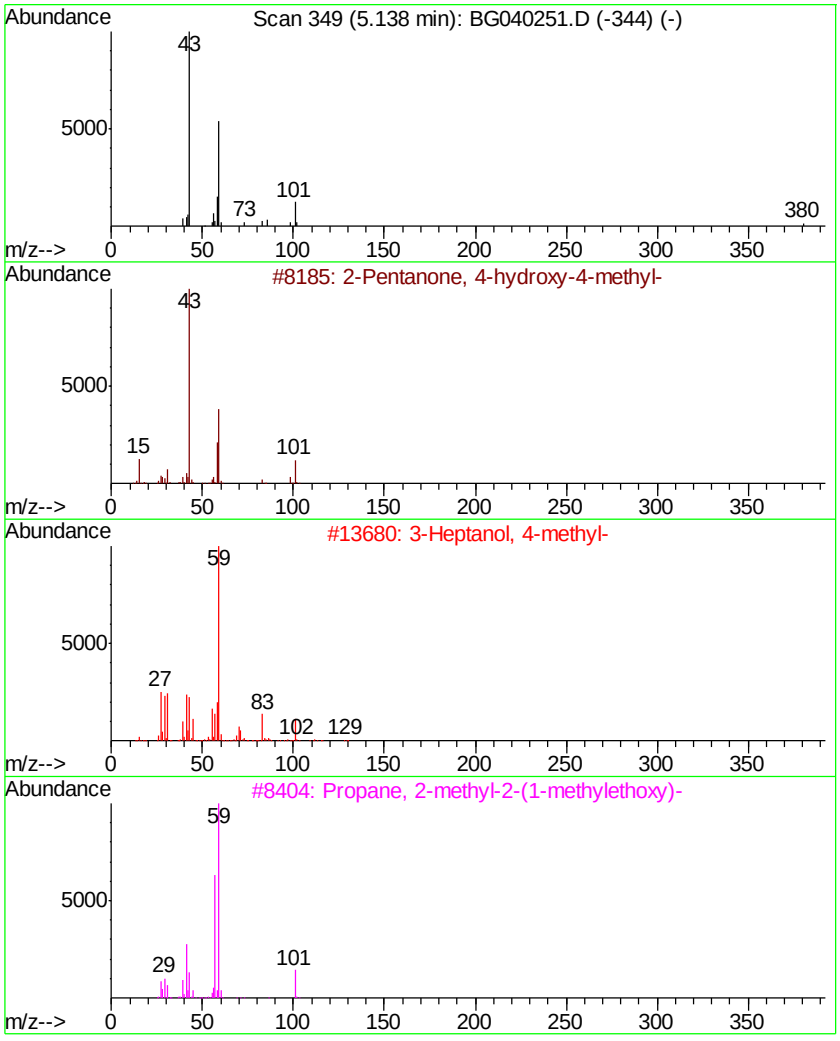
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

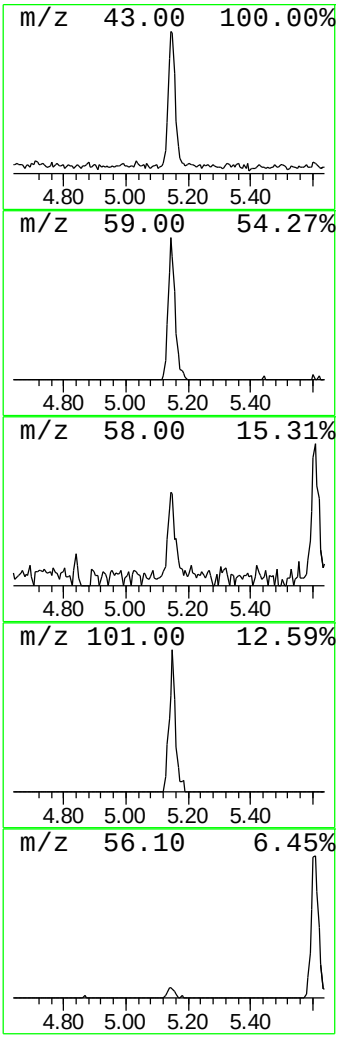
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.14 | 2.85 ng | 48227 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 3-Heptanol, 4-methyl- | 130 | C8H18O | 014979-39-6 | 33 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 28 |
| 4 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 17 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
Data File : BG040251.D
Acq On : 30 Mar 2019 7:55
Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

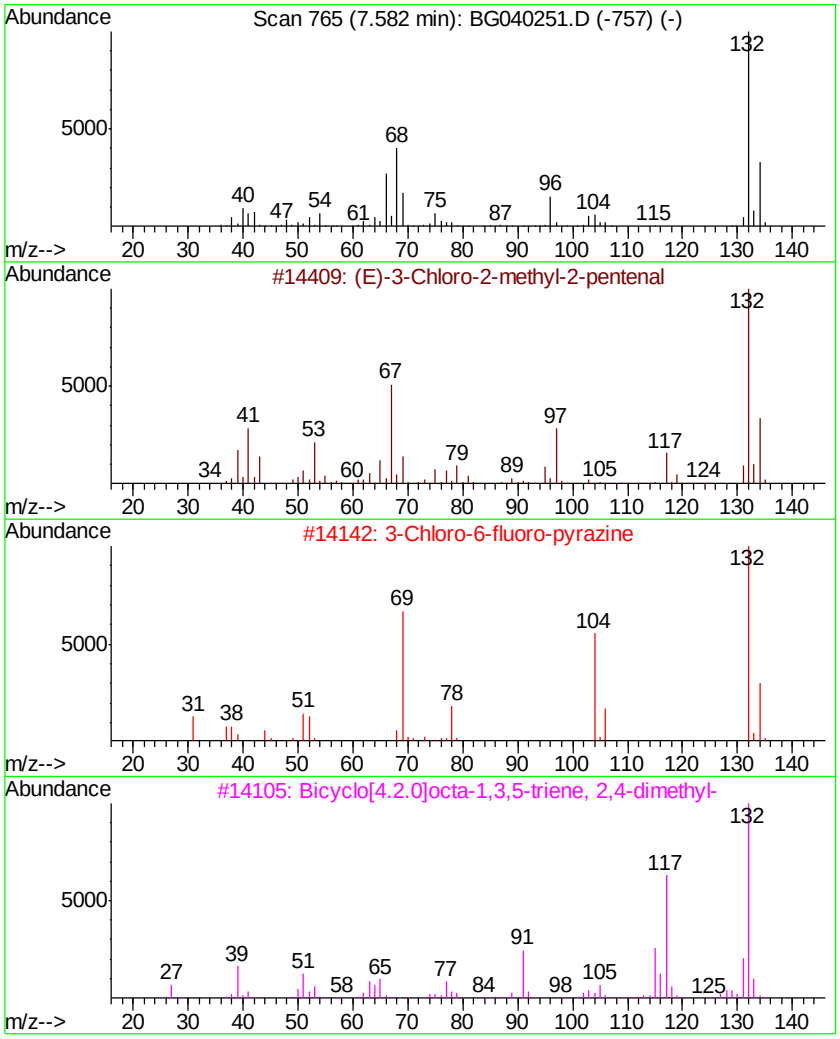
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

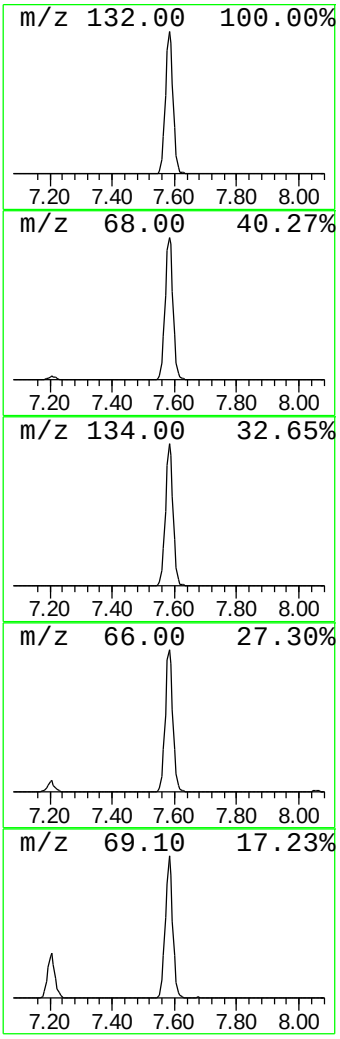
**********

Peak Number 4 unknown7.58 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.58 | 86.70 ng | 1465380 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



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Operator : JU/SJ
Sample : K2121-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

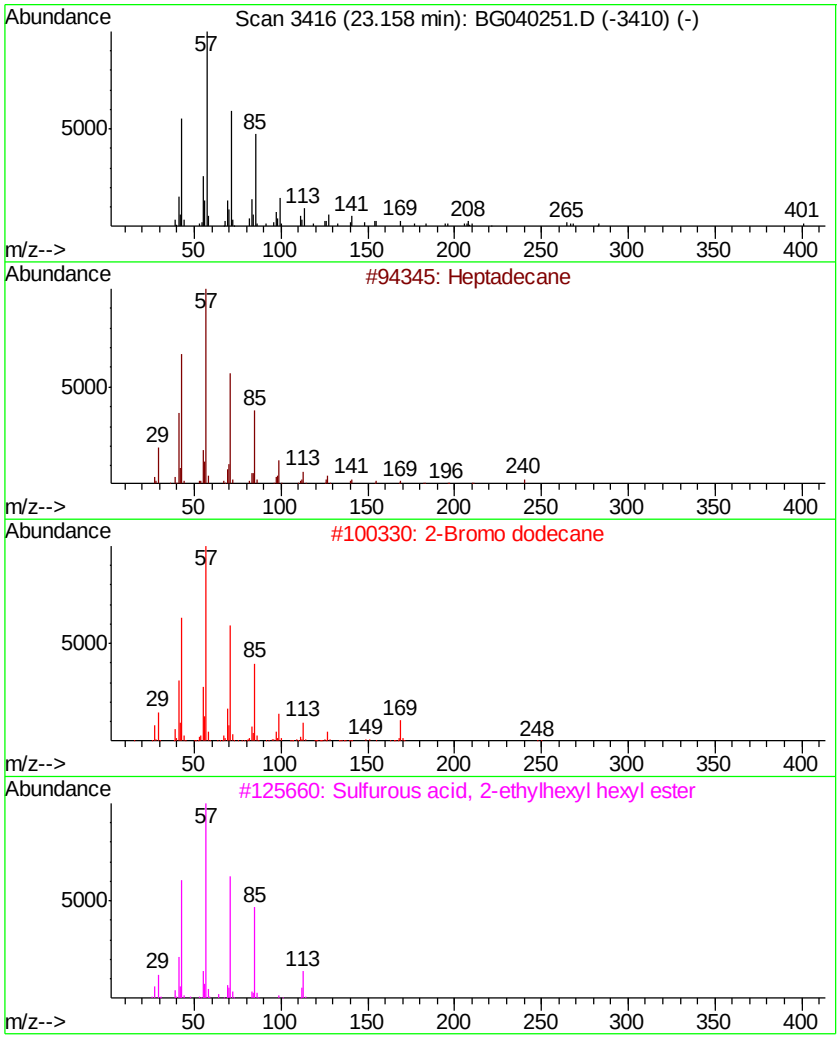
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

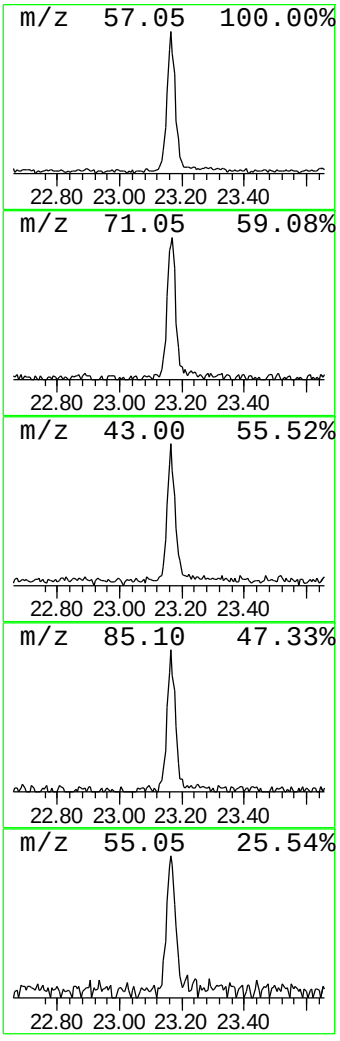
**********

Peak Number 6 Heptadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.16 | 2.18 ng | 128470 | Chrysene-d12 | 21.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 86 |
| 3 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 76 |
| 5 | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 72 |



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Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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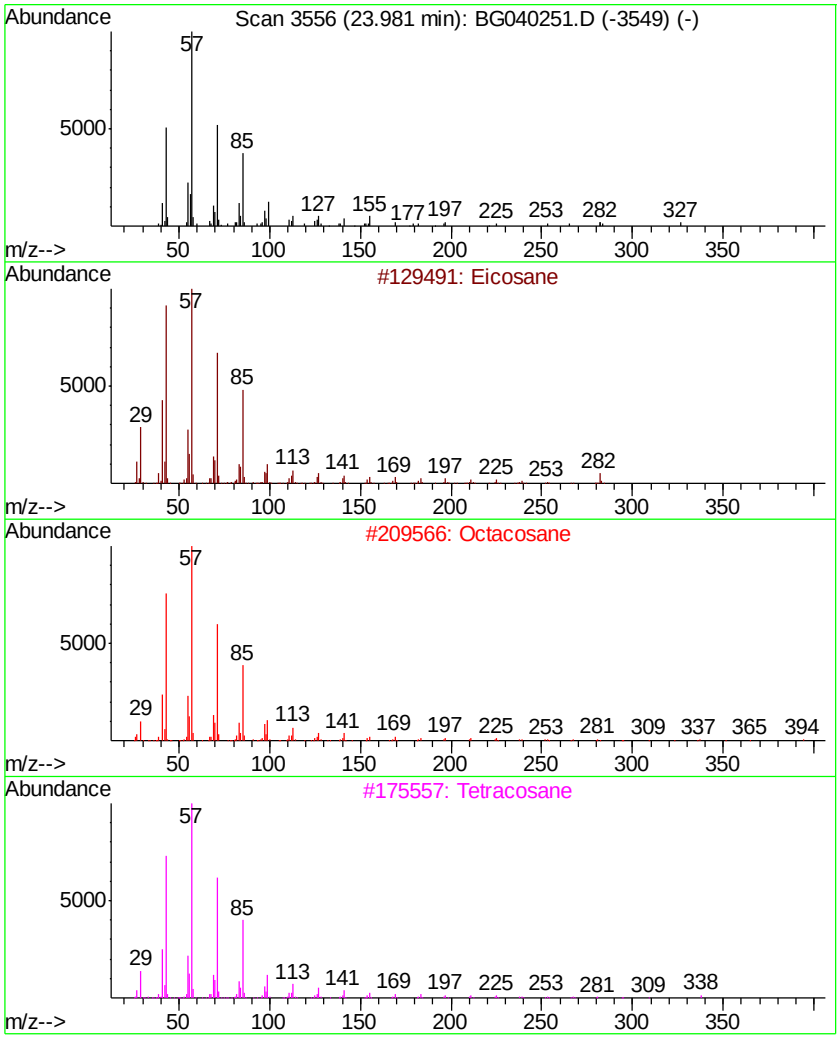
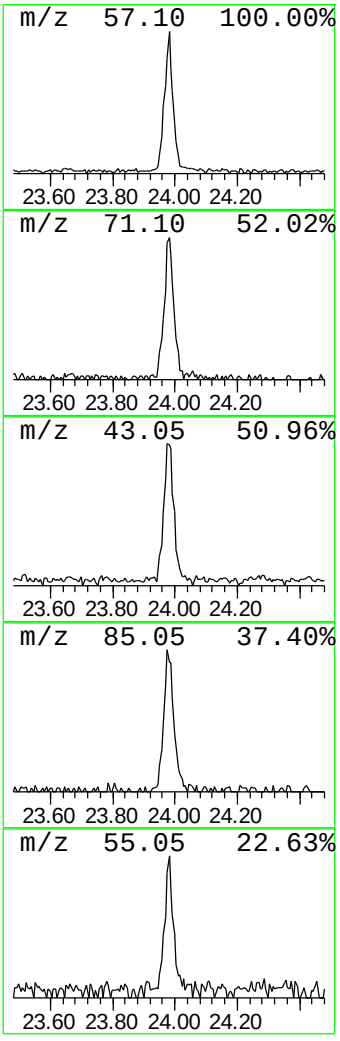
**********

Peak Number 7 Eicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.98 | 2.12 ng | 132615 | Perylene-d12 | 25.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 83 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FIELD-BLANK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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 |
| 1-Pentene, 2-methyl- | 3.12 | 33.8 | ng | 571180 | 1 | 8.05 | 338050 | 20.0 |
| Butane, 2-methoxy... | 3.19 | 33.8 | ng | 571784 | 1 | 8.05 | 338050 | 20.0 |
| 2-Pentanone, 4-hy... | 5.14 | 2.9 | ng | 48227 | 1 | 8.05 | 338050 | 20.0 |
| unknown7.58 | 7.58 | 86.7 | ng | 1465380 | 1 | 8.05 | 338050 | 20.0 |
| Heptadecane | 23.16 | 2.2 | ng | 128470 | 5 | 21.71 | 1181040 | 20.0 |
| Eicosane | 23.98 | 2.1 | ng | 132615 | 6 | 25.01 | 1249990 | 20.0 |