LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122526.D
Acq On : 1 Dec 2020 17:28
Operator : JU/CG
Sample : L4909-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ROCK-HILL-SLOPE-EMBANKMENT-

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_F\METHODS\8270-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122526.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.140 | 5 | 9 | 15 | rVB | 112464 | 151160 | 2.70% | 0.383% |
| 2 | 2.252 | 24 | 28 | 34 | rVB | 61748 | 84262 | 1.50% | 0.213% |
| 3 | 5.087 | 507 | 510 | 517 | rVB | 68040 | 85819 | 1.53% | 0.217% |
| 4 | 5.481 | 572 | 577 | 580 | rBV | 4615162 | 4878508 | 87.01% | 12.353% |
| 5 | 6.492 | 743 | 749 | 771 | rBV | 4484199 | 5143618 | 91.74% | 13.025% |
| 6 | 6.681 | 779 | 781 | 801 | rBV | 84040 | 139165 | 2.48% | 0.352% |
| 7 | 6.857 | 807 | 811 | 814 | rBV | 1411286 | 1116000 | 19.90% | 2.826% |
| 8 | 7.422 | 901 | 907 | 910 | rBV | 3278797 | 3263313 | 58.20% | 8.263% |
| 9 | 8.139 | 1025 | 1029 | 1048 | rBV | 1589907 | 1463523 | 26.10% | 3.706% |
| 10 | 9.216 | 1208 | 1212 | 1223 | rBV | 5343208 | 5519909 | 98.45% | 13.978% |
| 11 | 9.610 | 1275 | 1279 | 1294 | rBV | 550228 | 501301 | 8.94% | 1.269% |
| 12 | 9.898 | 1324 | 1328 | 1339 | rBV | 1911873 | 1676400 | 29.90% | 4.245% |
| 13 | 10.686 | 1458 | 1462 | 1480 | rBV | 3821718 | 3833654 | 68.37% | 9.708% |
| 14 | 11.386 | 1577 | 1581 | 1588 | rBV | 1727959 | 1716168 | 30.61% | 4.346% |
| 15 | 11.910 | 1667 | 1670 | 1686 | rBV2 | 146347 | 218467 | 3.90% | 0.553% |
| 16 | 12.698 | 1798 | 1804 | 1814 | rBV2 | 59528 | 90610 | 1.62% | 0.229% |
| 17 | 12.974 | 1846 | 1851 | 1854 | rBV | 5946091 | 5606979 | 100.00% | 14.198% |
| 18 | 13.374 | 1906 | 1919 | 1928 | rBV | 49960 | 226906 | 4.05% | 0.575% |
| 19 | 13.921 | 2005 | 2012 | 2025 | rBV3 | 263280 | 943712 | 16.83% | 2.390% |
| 20 | 14.021 | 2025 | 2029 | 2045 | rVB | 1469711 | 1552961 | 27.70% | 3.932% |
| 21 | 15.498 | 2274 | 2280 | 2293 | rBV | 906344 | 1278805 | 22.81% | 3.238% |

Sum of corrected areas: 39491240

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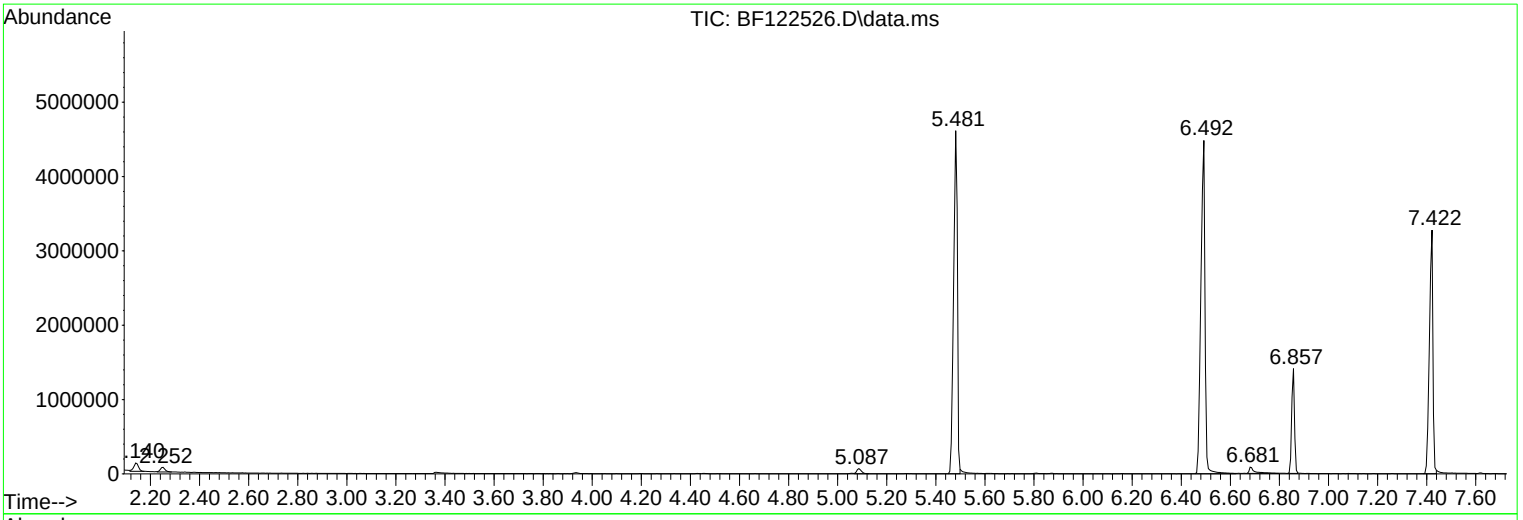
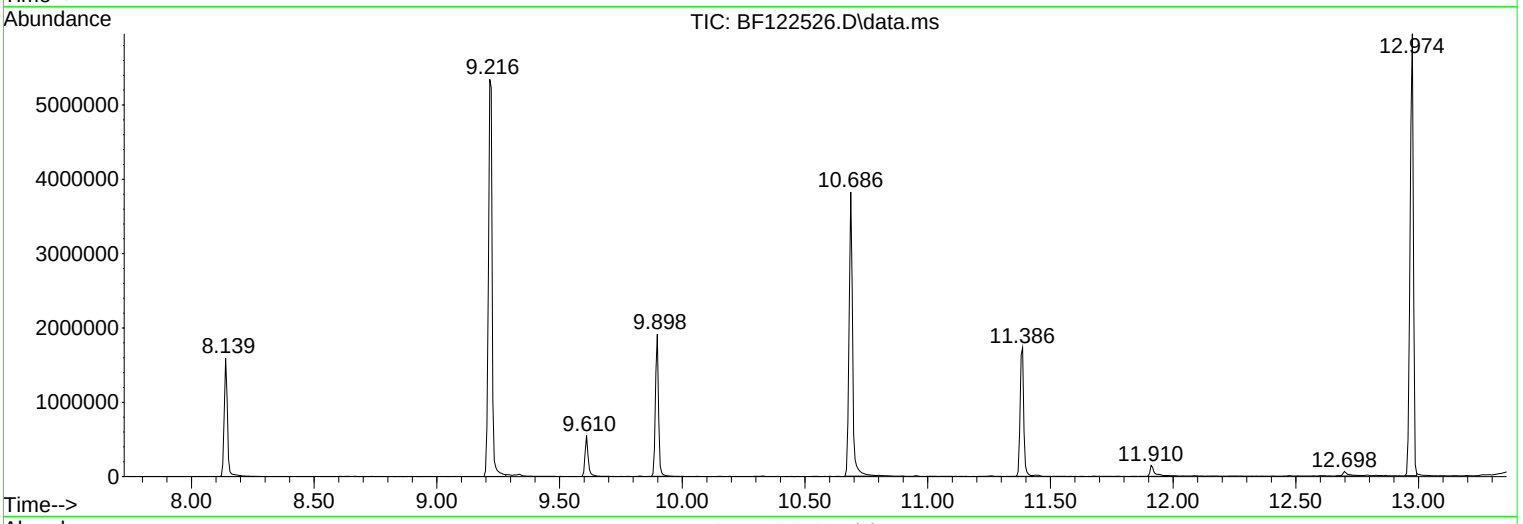
ALS Vial : 12 Sample Multiplier: 1

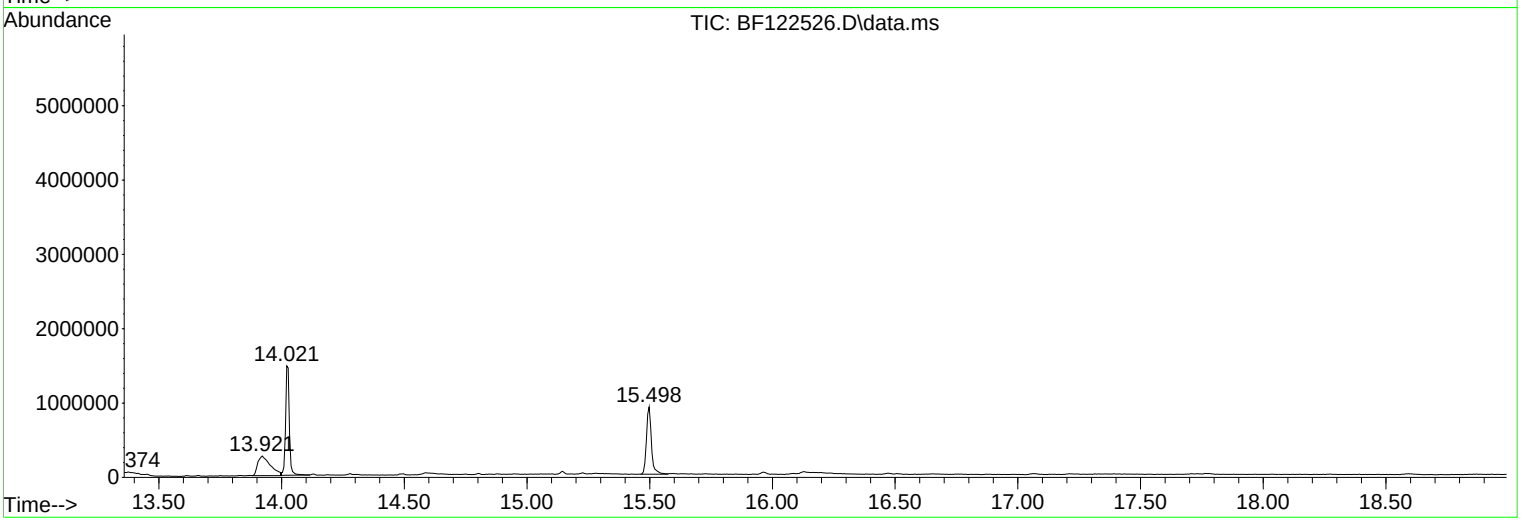
**Instrument :**
BNA_F
**ClientSampleId :**
ROCK-HILL-SLOPE-EMBANKMENT-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROCK-HILL-SLOPE-EMBANKMENT-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
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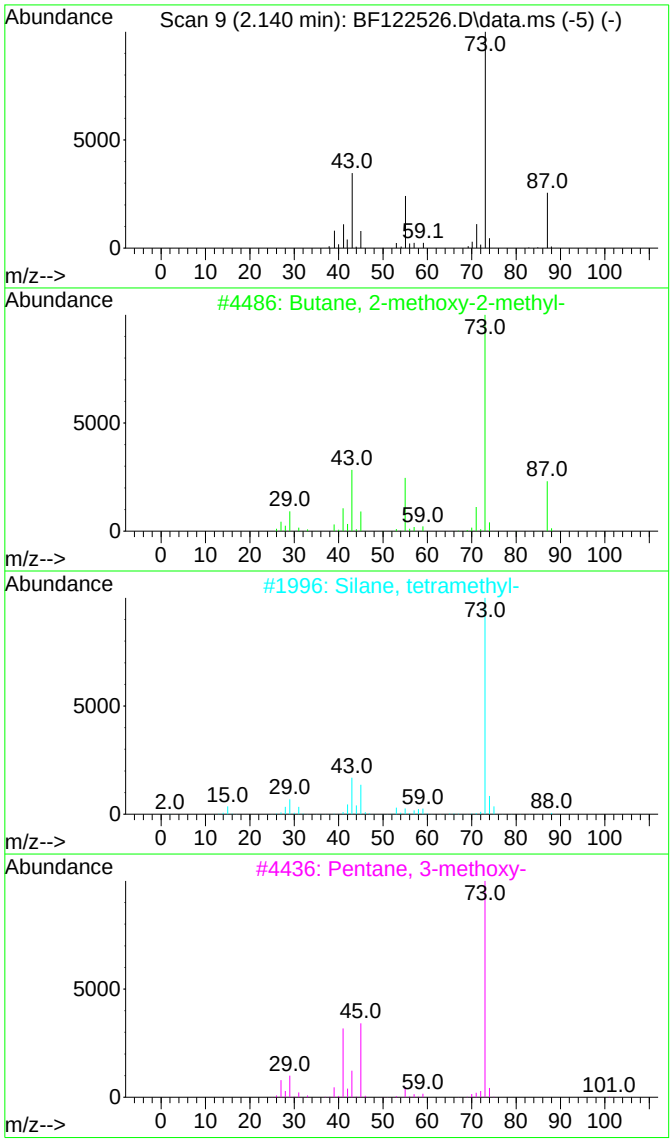
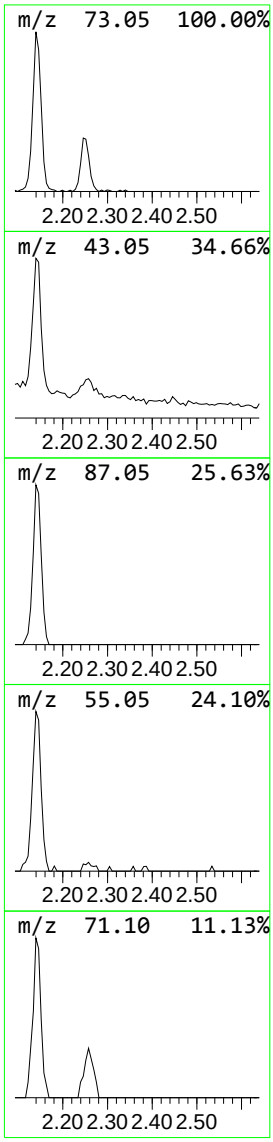
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.140 | 2.71 ng | 151160 | 1,4-Dichlorobenzene-d4 | 6.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 25 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |



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Data File : BF122526.D
Acq On : 1 Dec 2020 17:28
Operator : JU/CG
Sample : L4909-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROCK-HILL-SLOPE-EMBANKMENT-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

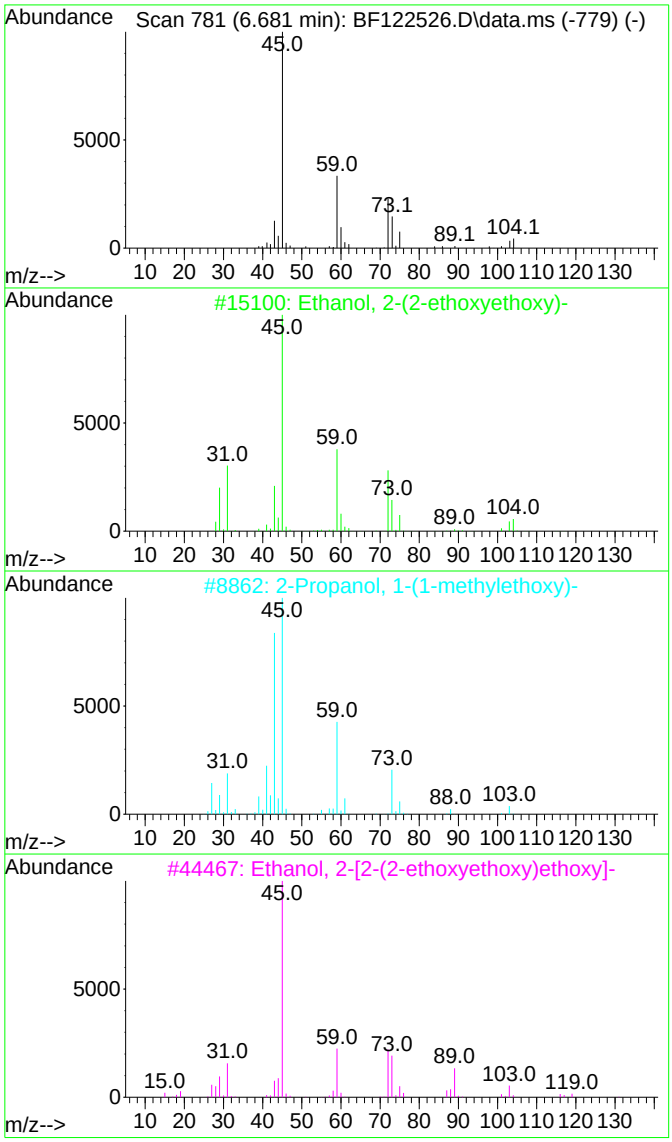
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

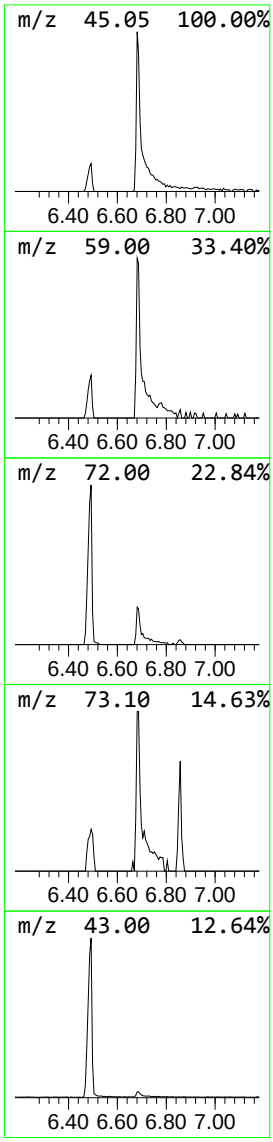
**********

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.681 | 2.49 ng | 139165 | 1,4-Dichlorobenzene-d4 | 6.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 90 |
| 2 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 45 |
| 3 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 39 |
| 4 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 36 |
| 5 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122526.D
Acq On : 1 Dec 2020 17:28
Operator : JU/CG
Sample : L4909-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROCK-HILL-SLOPE-EMBANKMENT-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

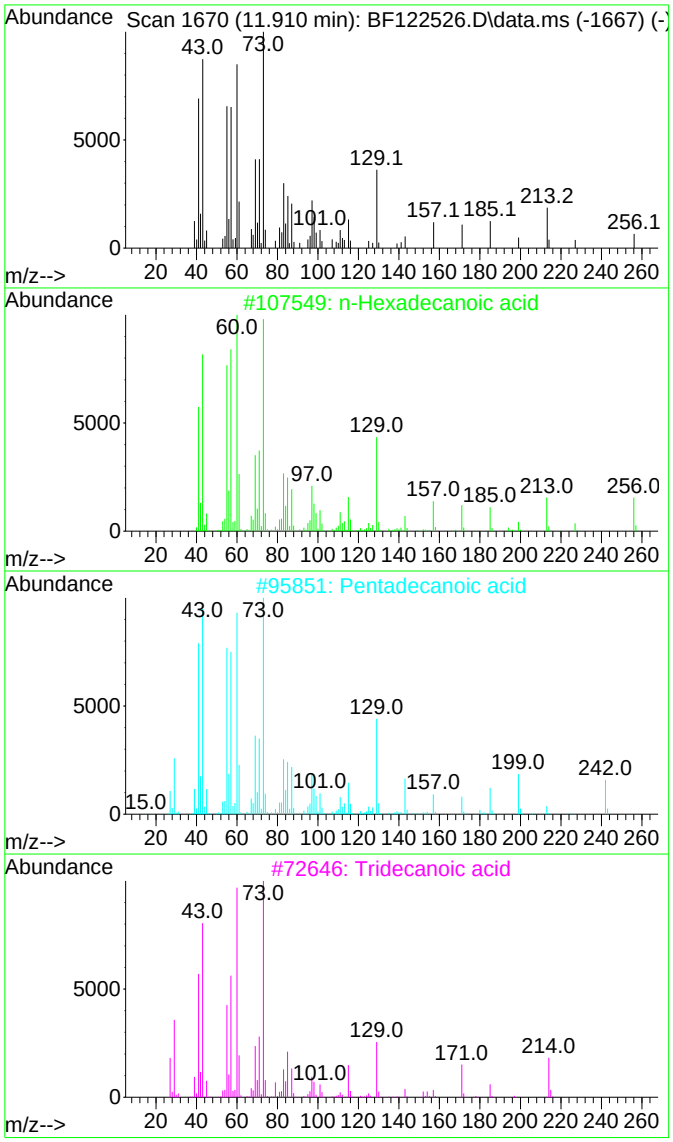
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

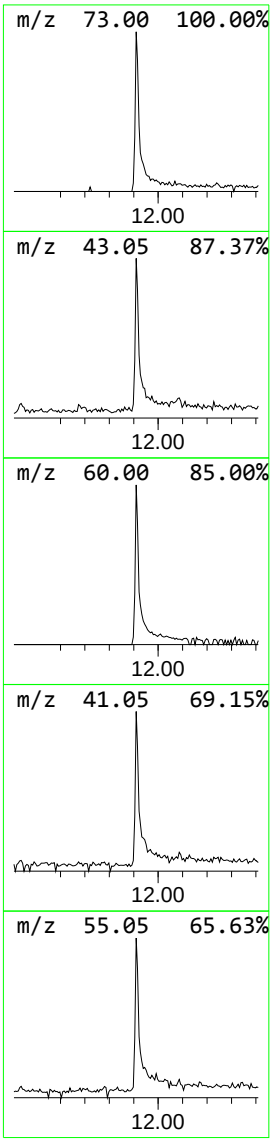
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.910 | 2.55 ng | 218467 | Phenanthrene-d10 | 11.386 |

| 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 | 91 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 5 | Oxalic acid, allyl hexadecyl ester | 354 | C21H38O4 | 1000309-24-4 | 20 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122526.D
Acq On : 1 Dec 2020 17:28
Operator : JU/CG
Sample : L4909-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROCK-HILL-SLOPE-EMBANKMENT-

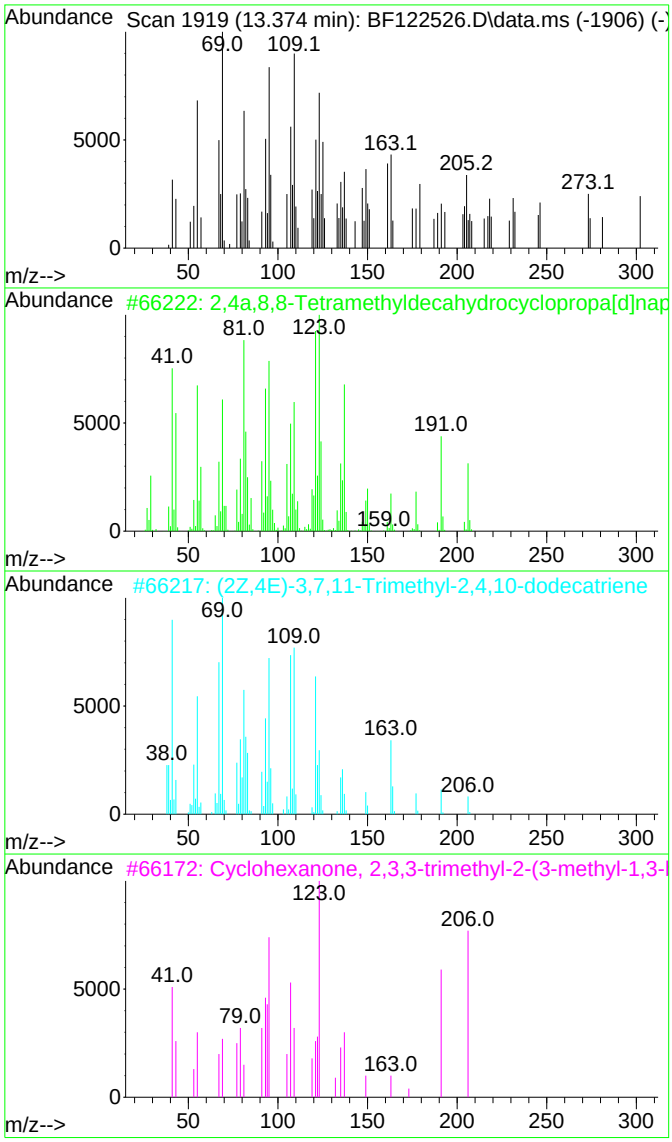
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

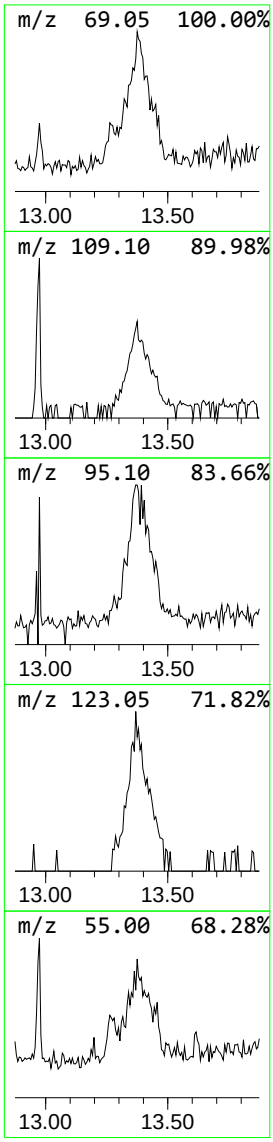
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2,4a,8,8-Tetramethyldecahyd... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.374 | 2.92 ng | 226906 | Chrysene-d12 | 14.027 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4a,8,8-Tetramethyldecahydrocyc... | 206 | C15H26 | 074022-04-1 | 53 |
| 2 | (2Z,4E)-3,7,11-Trimethyl-2,4,10-... | 206 | C15H26 | 172549-29-0 | 50 |
| 3 | Cyclohexanone, 2,3,3-trimethyl-2... | 206 | C14H22O | 069296-91-9 | 46 |
| 4 | Caparratriene | 206 | C15H26 | 1000374-08-7 | 45 |
| 5 | 2,3,3-Trimethyl-2-(3-methyl-buta... | 206 | C14H22O | 1000193-60-6 | 41 |



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Sample : L4909-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
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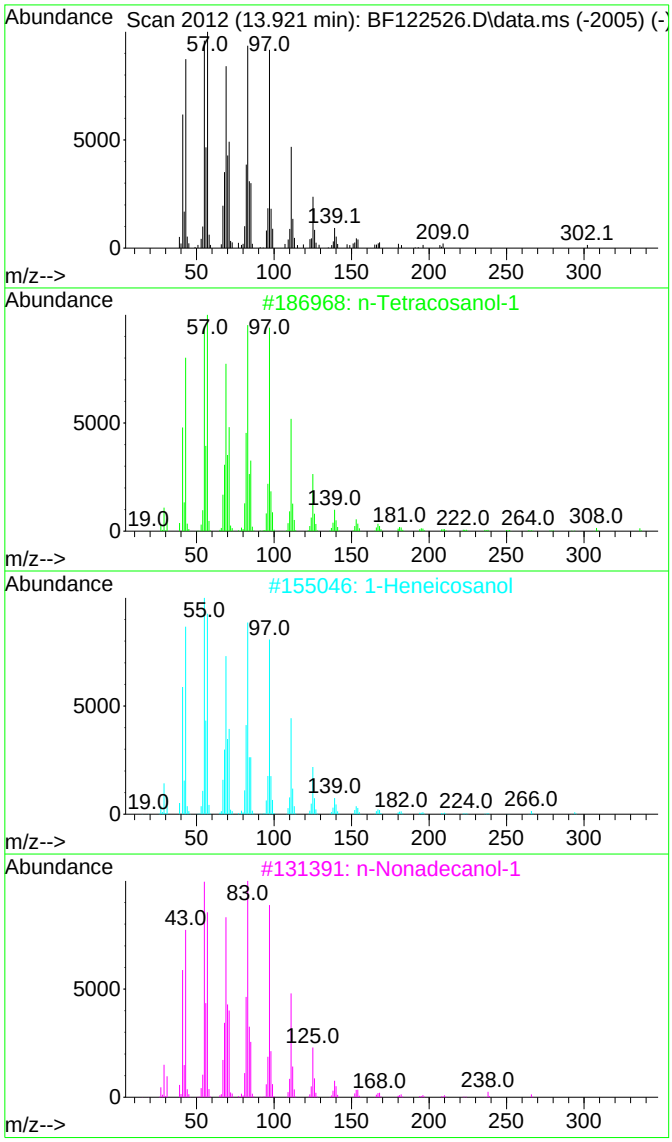
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

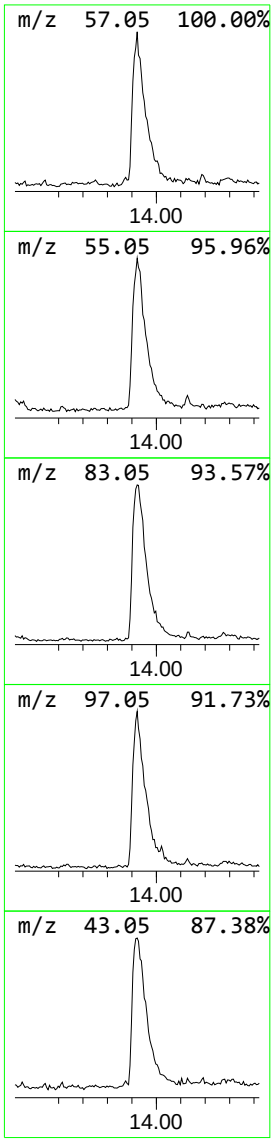
**********

Peak Number 5 n-Tetracosanol-1 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.921 | 12.15 ng | 943712 | Chrysene-d12 | 14.027 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 95 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 3 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
Data File : BF122526.D
Acq On : 1 Dec 2020 17:28
Operator : JU/CG
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 2.140 | 2.7 | ng | 151160 | 1 | 6.857 | 1116000 | 20.0 |
| Ethanol, 2-(2-e... | 6.681 | 2.5 | ng | 139165 | 1 | 6.857 | 1116000 | 20.0 |
| n-Hexadecanoic ... | 11.910 | 2.5 | ng | 218467 | 4 | 11.386 | 1716170 | 20.0 |
| 2,4a,8,8-Tetram... | 13.374 | 2.9 | ng | 226906 | 5 | 14.027 | 1552960 | 20.0 |
| n-Tetracosanol-1 | 13.921 | 12.2 | ng | 943712 | 5 | 14.027 | 1552960 | 20.0 |