LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108125.D
Acq On : 13 Aug 2018 19:21
Operator : JU/SJ
Sample : J4442-41
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-5

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-BF080818.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 | 3.643 | 220 | 222 | 229 | rBV | 55631 | 96991 | 1.94% | 0.226% |
| 2 | 5.266 | 493 | 498 | 508 | rVB | 755371 | 989083 | 19.82% | 2.306% |
| 3 | 5.648 | 558 | 563 | 567 | rBV | 4566619 | 4782972 | 95.85% | 11.153% |
| 4 | 6.642 | 726 | 732 | 735 | rBV | 4842242 | 4989946 | 100.00% | 11.635% |
| 5 | 6.666 | 735 | 736 | 744 | rVB | 64804 | 56568 | 1.13% | 0.132% |
| 6 | 6.795 | 753 | 758 | 761 | rBV | 5333693 | 4877299 | 97.74% | 11.373% |
| 7 | 7.025 | 793 | 797 | 801 | rVB | 1568595 | 1234430 | 24.74% | 2.878% |
| 8 | 7.183 | 819 | 824 | 827 | rBV | 4274724 | 3663757 | 73.42% | 8.543% |
| 9 | 7.583 | 887 | 892 | 895 | rBV | 3150945 | 3036374 | 60.85% | 7.080% |
| 10 | 8.307 | 1011 | 1015 | 1019 | rBV | 1757145 | 1422420 | 28.51% | 3.317% |
| 11 | 9.383 | 1193 | 1198 | 1201 | rBV | 5453477 | 4608965 | 92.37% | 10.747% |
| 12 | 9.460 | 1207 | 1211 | 1214 | rBV3 | 53208 | 55670 | 1.12% | 0.130% |
| 13 | 9.772 | 1261 | 1264 | 1267 | rBV | 497679 | 385437 | 7.72% | 0.899% |
| 14 | 10.072 | 1309 | 1315 | 1319 | rBV2 | 1536359 | 1409952 | 28.26% | 3.288% |
| 15 | 10.483 | 1382 | 1385 | 1388 | rVB | 65908 | 57891 | 1.16% | 0.135% |
| 16 | 10.707 | 1419 | 1423 | 1425 | rVB | 52280 | 52767 | 1.06% | 0.123% |
| 17 | 10.871 | 1446 | 1451 | 1454 | rBV | 2723390 | 2686199 | 53.83% | 6.263% |
| 18 | 10.971 | 1463 | 1468 | 1471 | rVB | 118399 | 148110 | 2.97% | 0.345% |
| 19 | 11.442 | 1545 | 1548 | 1551 | rBV2 | 59030 | 59100 | 1.18% | 0.138% |
| 20 | 11.571 | 1566 | 1570 | 1574 | rBV | 1598040 | 1394620 | 27.95% | 3.252% |
| 21 | 13.165 | 1836 | 1841 | 1844 | rBV | 4656381 | 4343787 | 87.05% | 10.129% |
| 22 | 14.054 | 1989 | 1992 | 2004 | rBV2 | 195668 | 397274 | 7.96% | 0.926% |
| 23 | 14.230 | 2019 | 2022 | 2026 | rBV | 1237510 | 1193578 | 23.92% | 2.783% |
| 24 | 15.806 | 2286 | 2290 | 2296 | rVB | 638170 | 943471 | 18.91% | 2.200% |

Sum of corrected areas: 42886661

LSC Report - Integrated Chromatogram

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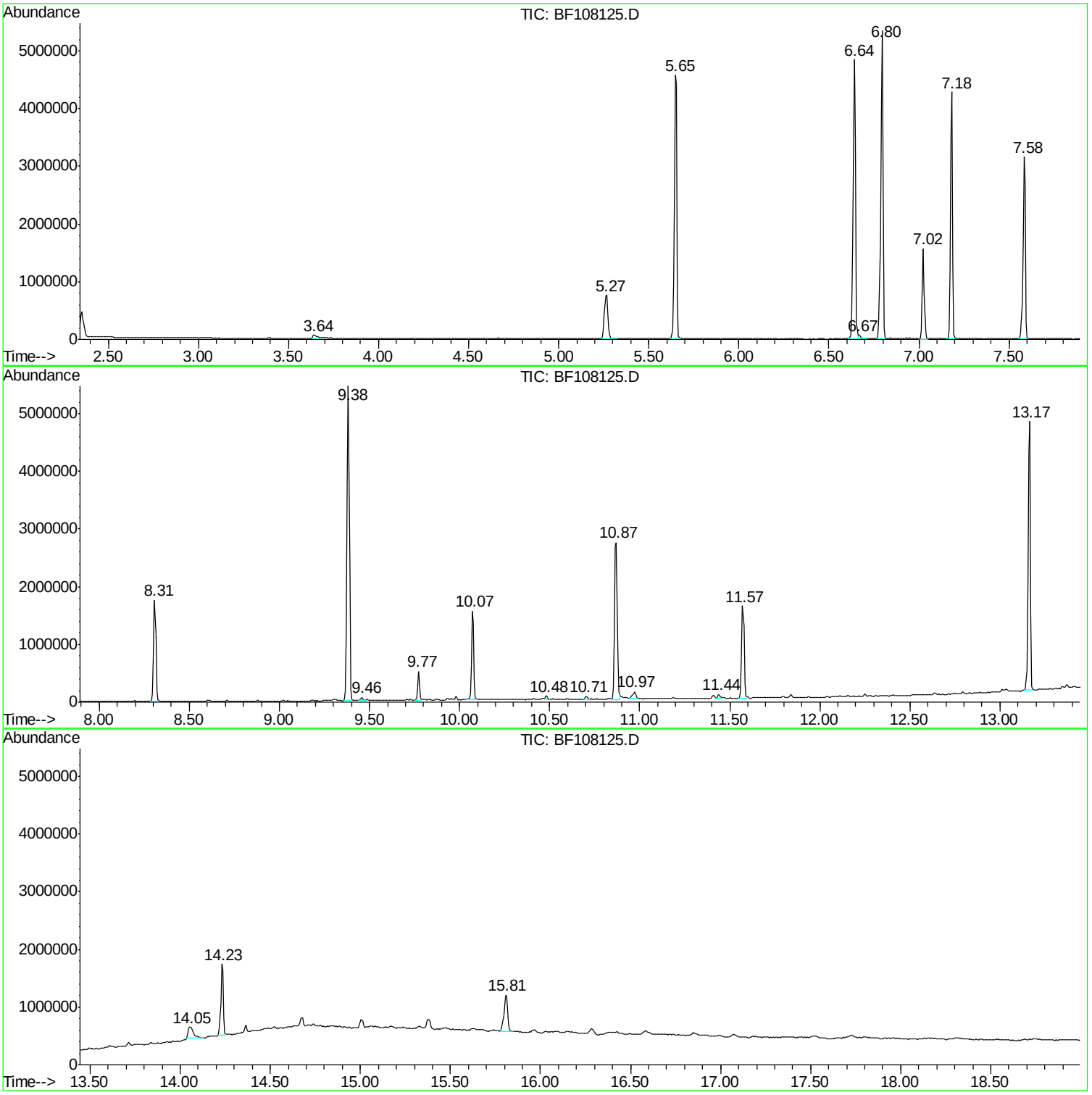
Sample : J4442-41
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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_F\DATA\BF081318\
Data File : BF108125.D
Acq On : 13 Aug 2018 19:21
Operator : JU/SJ
Sample : J4442-41
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

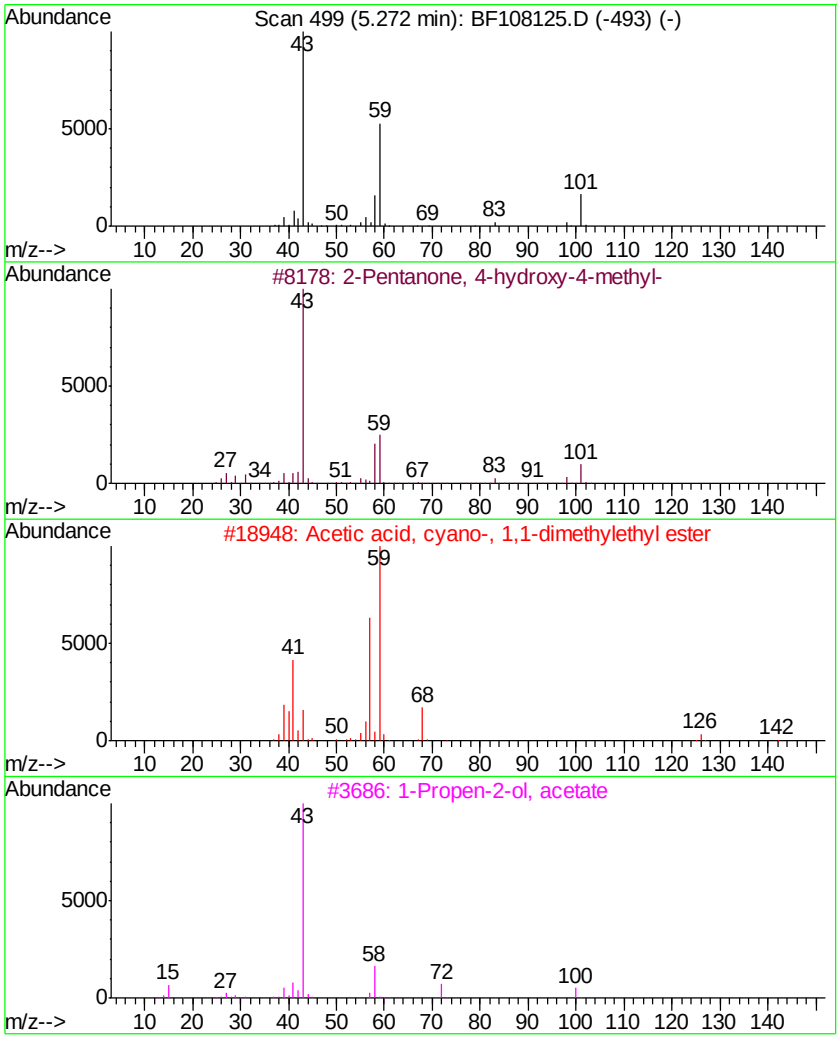
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

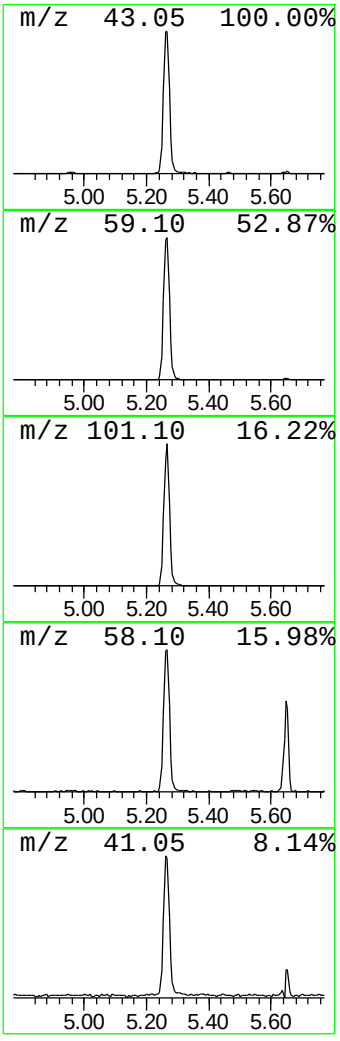
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.27 | 16.02 ng | 989083 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



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Acq On : 13 Aug 2018 19:21
Operator : JU/SJ
Sample : J4442-41
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

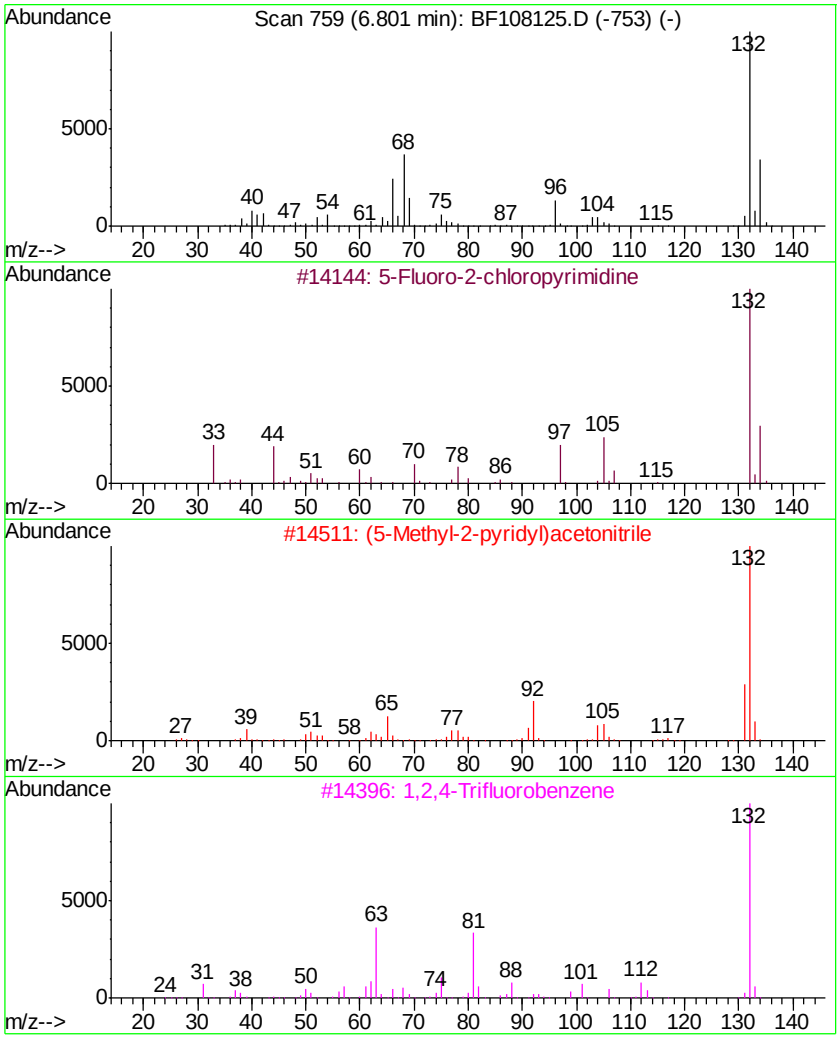
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

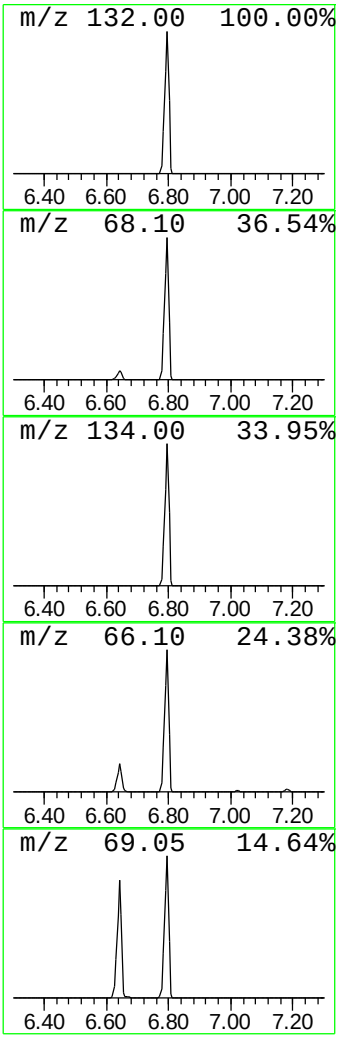
**********

Peak Number 2 unknown6.80 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.80 | 79.02 ng | 4877300 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 3 | 1,2,4-Trifluorobenzene | 132 | C6H3F3 | 000367-23-7 | 9 |
| 4 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |
| 5 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |



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Data File : BF108125.D
Acq On : 13 Aug 2018 19:21
Operator : JU/SJ
Sample : J4442-41
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

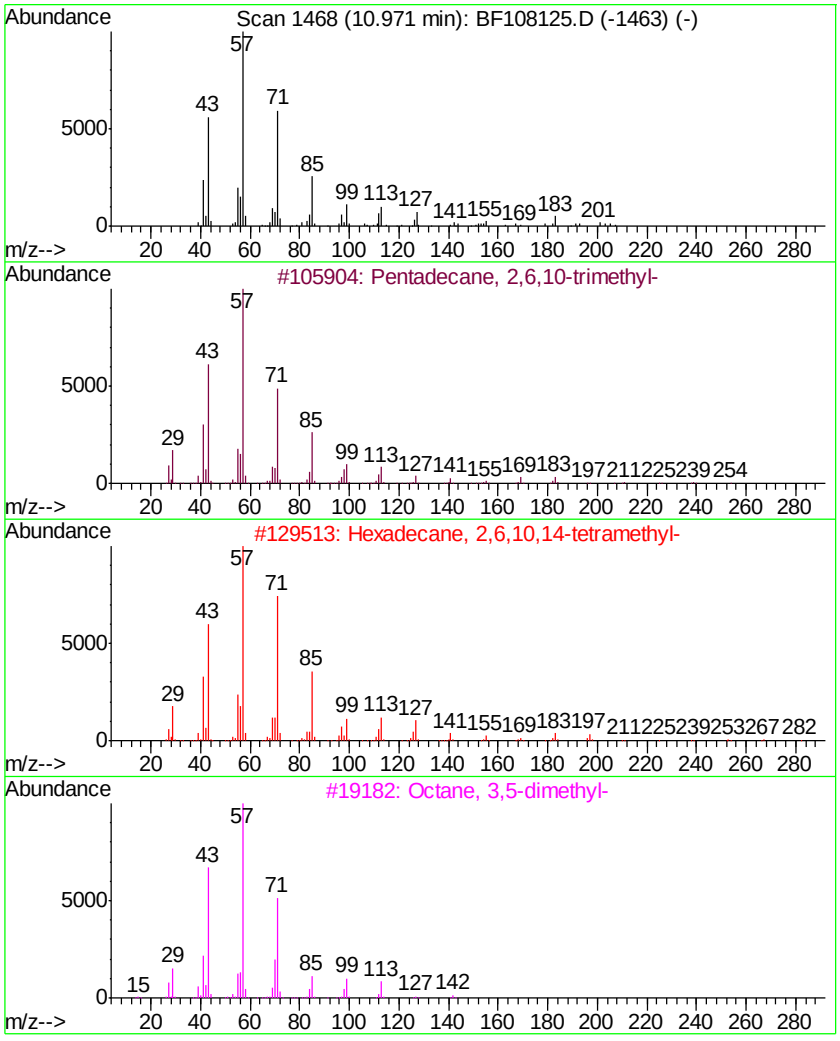
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

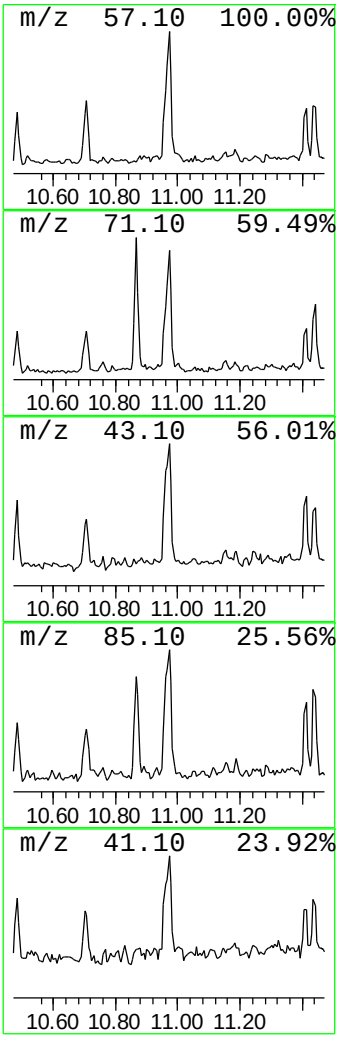
**********

Peak Number 4 Pentadecane, 2,6,10-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 2.12 ng | 148110 | Phenanthrene-d10 | 11.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 90 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 80 |
| 3 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 68 |
| 4 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 64 |
| 5 | Heptadecane, 7-methyl- | 254 | C18H38 | 020959-33-5 | 64 |



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Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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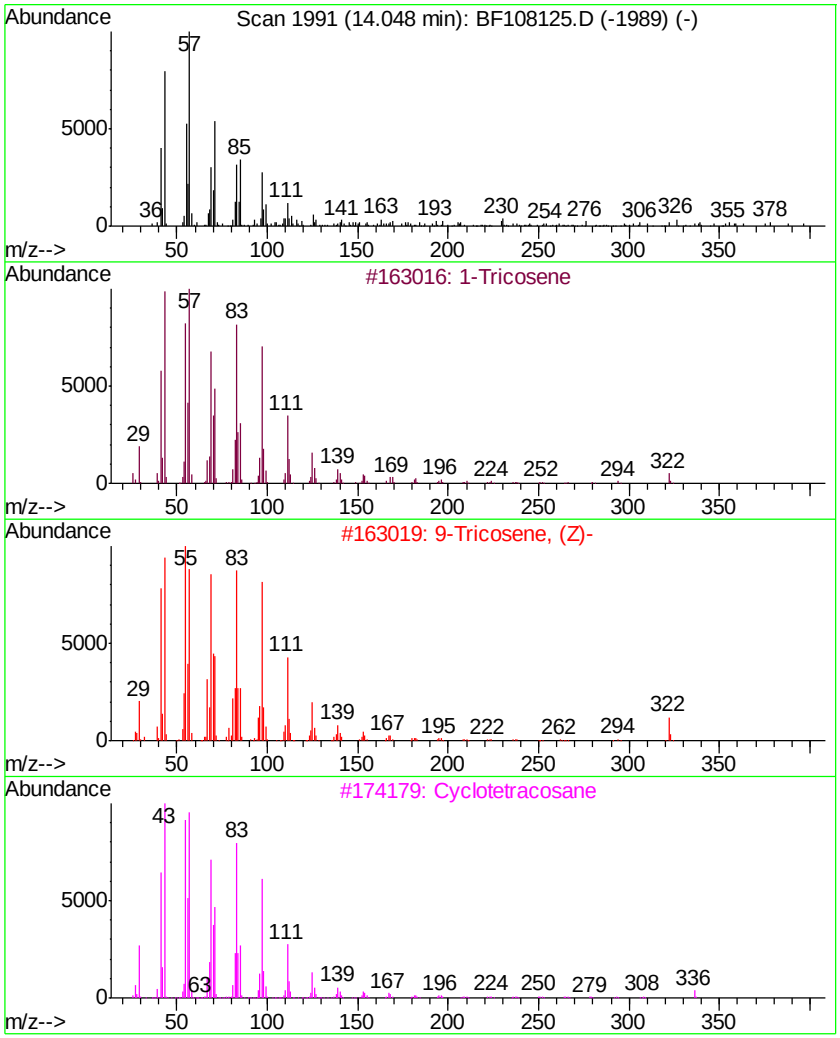
TIC Integration Parameters: LSCINT.P

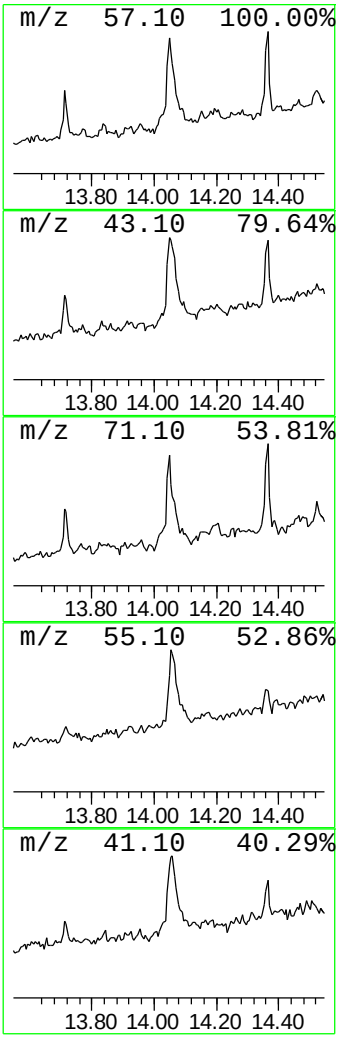
**********

Peak Number 5 1-Tricosene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.05 | 6.66 ng | 397274 | Chrysene-d12 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 97 |
| 2 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 96 |
| 3 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 94 |
| 4 | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 90 |
| 5 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 90 |



# Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.27 | 16.0 | ng | 989083 | 1 | 7.02 | 1234430 | 20.0 |
| unknown6.80 | 6.80 | 79.0 | ng | 4877300 | 1 | 7.02 | 1234430 | 20.0 |
| Pentadecane, 2,6,... | 10.97 | 2.1 | ng | 148110 | 4 | 11.57 | 1394620 | 20.0 |
| 1-Tricosene | 14.05 | 6.7 | ng | 397274 | 5 | 14.23 | 1193580 | 20.0 |