LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109078.D
Acq On : 18 Sep 2018 5:50
Operator : JU/SJ
Sample : J4907-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-128(2)

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-BF091418.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 | 4.901 | 432 | 436 | 449 | rVB | 159052 | 179132 | 4.69% | 0.727% |
| 2 | 5.325 | 504 | 508 | 511 | rBV | 1343357 | 1178098 | 30.84% | 4.783% |
| 3 | 6.348 | 678 | 682 | 689 | rBV | 986254 | 769513 | 20.14% | 3.124% |
| 4 | 6.490 | 701 | 706 | 709 | rBV | 2326509 | 2145646 | 56.16% | 8.711% |
| 5 | 6.719 | 742 | 745 | 749 | rBV | 1028859 | 790462 | 20.69% | 3.209% |
| 6 | 6.878 | 768 | 772 | 775 | rBV | 3295402 | 2836727 | 74.25% | 11.517% |
| 7 | 7.284 | 835 | 841 | 844 | rBV | 2512670 | 2394690 | 62.68% | 9.722% |
| 8 | 8.001 | 959 | 963 | 966 | rBV | 1173579 | 895471 | 23.44% | 3.636% |
| 9 | 9.078 | 1142 | 1146 | 1149 | rBV | 4198692 | 3820376 | 100.00% | 15.510% |
| 10 | 9.466 | 1209 | 1212 | 1216 | rBV | 252805 | 214183 | 5.61% | 0.870% |
| 11 | 9.748 | 1257 | 1260 | 1264 | rBV | 1067476 | 909111 | 23.80% | 3.691% |
| 12 | 10.530 | 1389 | 1393 | 1406 | rBV | 1616902 | 1586202 | 41.52% | 6.440% |
| 13 | 11.225 | 1508 | 1511 | 1515 | rBV | 1021459 | 892209 | 23.35% | 3.622% |
| 14 | 11.536 | 1559 | 1564 | 1568 | rVB2 | 47992 | 64214 | 1.68% | 0.261% |
| 15 | 11.766 | 1600 | 1603 | 1607 | rBV2 | 43421 | 40614 | 1.06% | 0.165% |
| 16 | 12.689 | 1757 | 1760 | 1769 | rVB | 70237 | 77135 | 2.02% | 0.313% |
| 17 | 12.813 | 1776 | 1781 | 1784 | rBV | 3970151 | 3742194 | 97.95% | 15.193% |
| 18 | 13.395 | 1876 | 1880 | 1882 | rBV | 47593 | 44120 | 1.15% | 0.179% |
| 19 | 13.724 | 1932 | 1936 | 1945 | rVB | 42767 | 63638 | 1.67% | 0.258% |
| 20 | 13.848 | 1954 | 1957 | 1961 | rBV | 952436 | 922297 | 24.14% | 3.744% |
| 21 | 14.707 | 2099 | 2103 | 2107 | rVB | 210175 | 199582 | 5.22% | 0.810% |
| 22 | 14.954 | 2142 | 2145 | 2150 | rVB | 42479 | 47145 | 1.23% | 0.191% |
| 23 | 15.254 | 2191 | 2196 | 2201 | rBV | 602136 | 678505 | 17.76% | 2.755% |
| 24 | 15.307 | 2202 | 2205 | 2210 | rVB | 39840 | 46474 | 1.22% | 0.189% |
| 25 | 15.712 | 2270 | 2274 | 2278 | rVB2 | 33664 | 44536 | 1.17% | 0.181% |
| 26 | 17.330 | 2544 | 2549 | 2553 | rBV6 | 24732 | 48628 | 1.27% | 0.197% |

Sum of corrected areas: 24630902

LSC Report - Integrated Chromatogram

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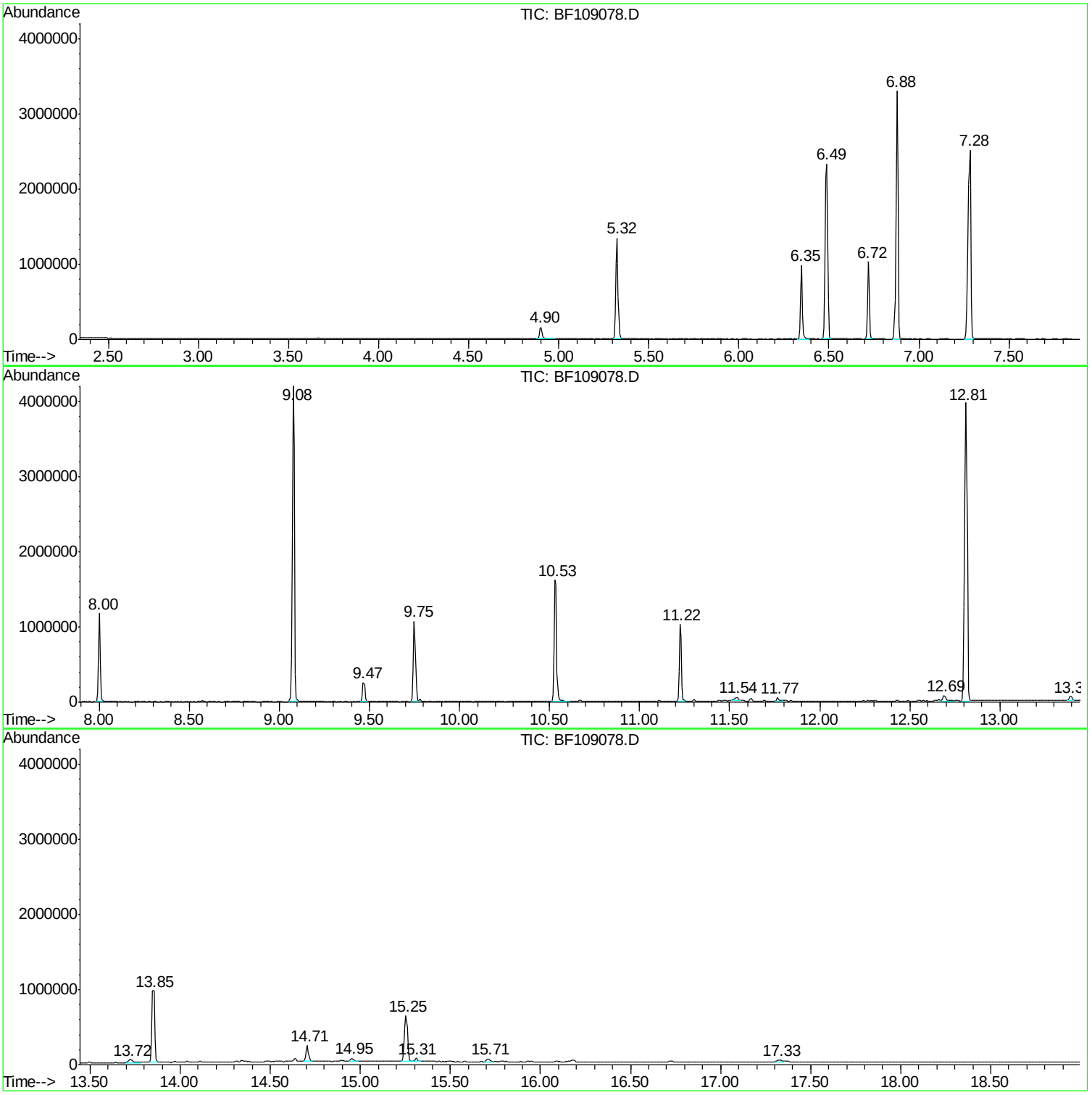
Sample : J4907-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-128(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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\BF091718\
Data File : BF109078.D
Acq On : 18 Sep 2018 5:50
Operator : JU/SJ
Sample : J4907-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-128(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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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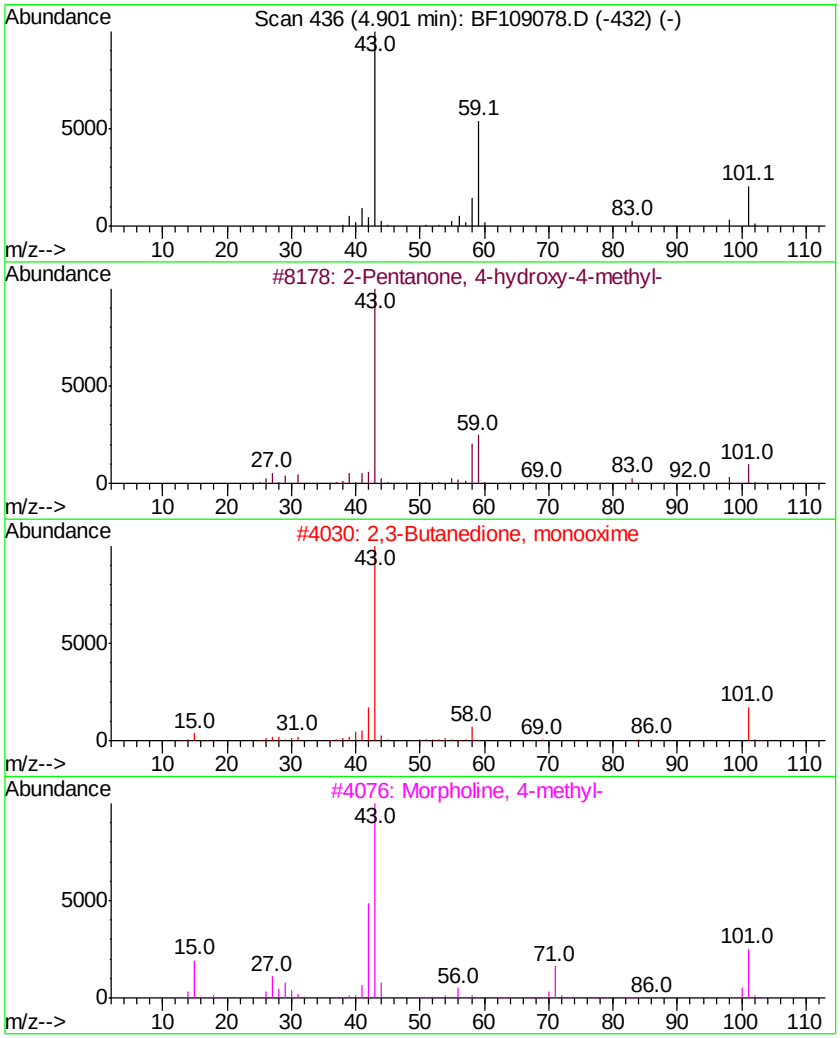
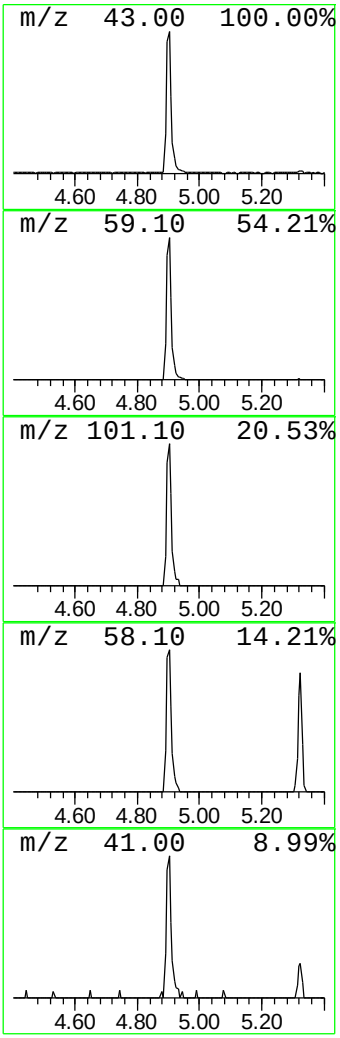
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 4.53 ng | 179132 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | Acetamide, N-(aminocarbonyl)- | 102 | C3H6N2O2 | 000591-07-1 | 9 |



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Sample : J4907-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-128(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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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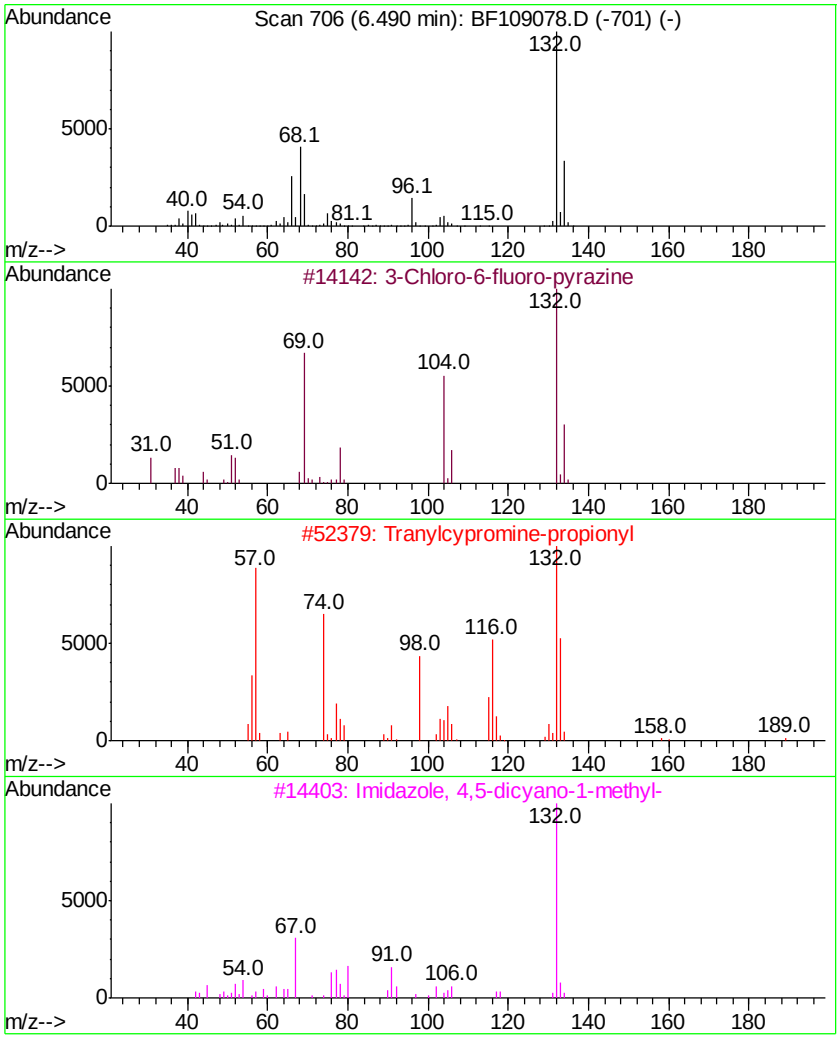
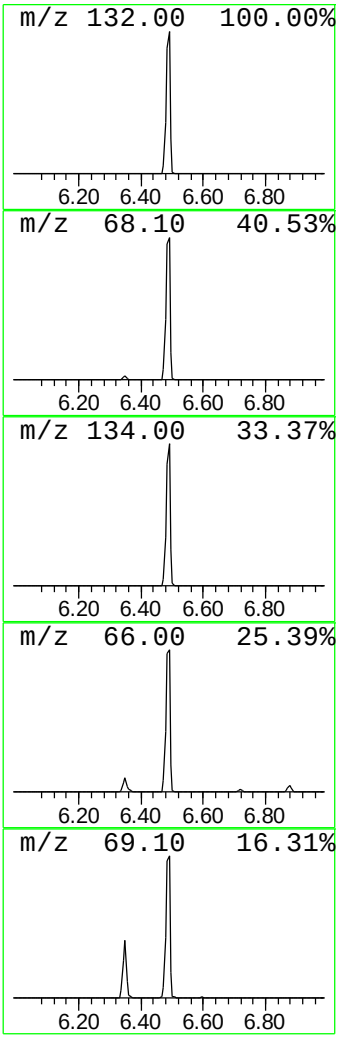
Peak Number 2 unknown6.49 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 54.29 ng | 2145650 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4 | 019485-35-9 | 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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Operator : JU/SJ
Sample : J4907-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-128(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
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TIC Integration Parameters: LSCINT.P

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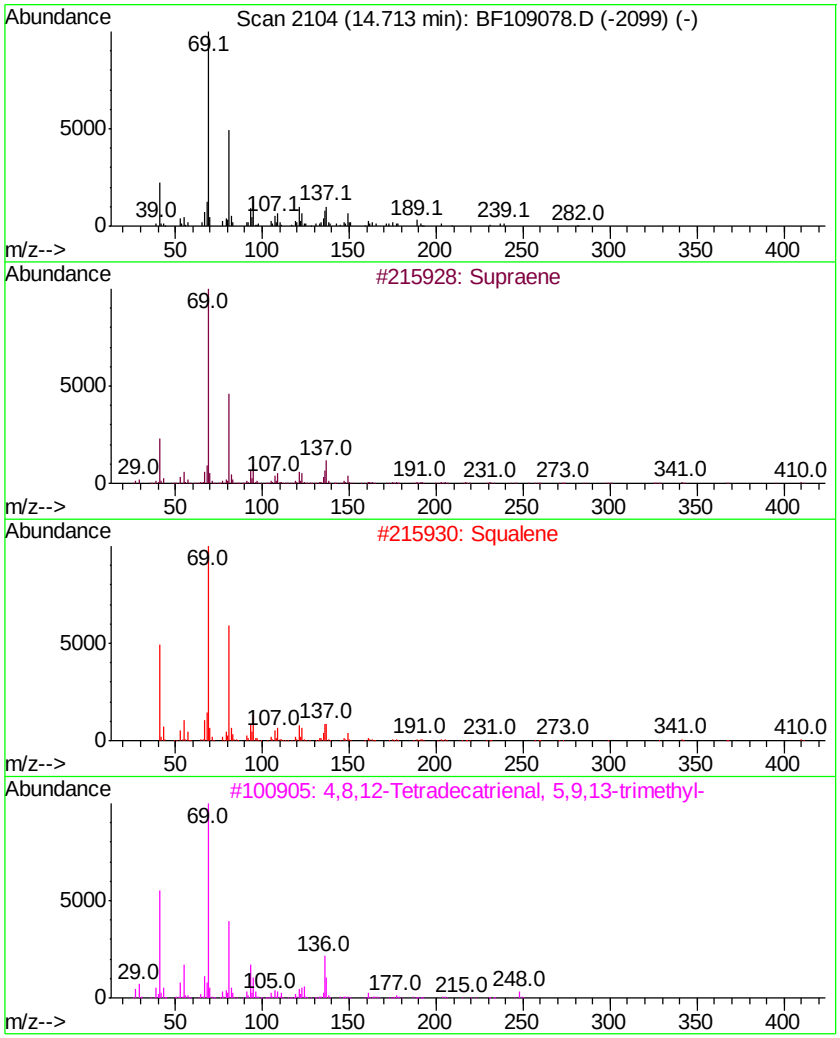
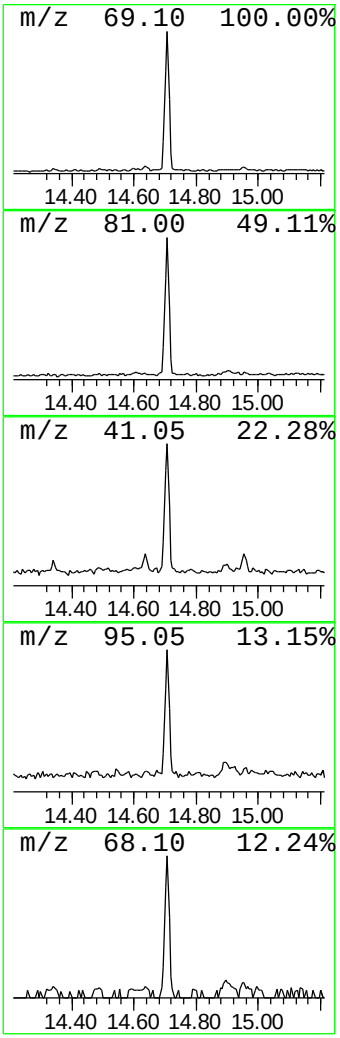
Peak Number 4 Supraene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.71 | 5.88 ng | 199582 | Perylene-d12 | 15.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Supraene | 410 | C30H50 | 007683-64-9 | 91 |
| 2 | Squalene | 410 | C30H50 | 000111-02-4 | 91 |
| 3 | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7 | 72 |
| 4 | 1,5-Heptadiene, 3,3,6-trimethyl- | 138 | C10H18 | 035387-63-4 | 52 |
| 5 | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 43 |



Tentatively Identified Compound (LSC) summary

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Misc :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
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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... | 4.90 | 4.5 | ng | 179132 | 1 | 6.72 | 790462 | 20.0 |
| unknown6.49 | 6.49 | 54.3 | ng | 2145650 | 1 | 6.72 | 790462 | 20.0 |
| Supraene | 14.71 | 5.9 | ng | 199582 | 6 | 15.25 | 678505 | 20.0 |