LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 | 2.157 | 6 | 12 | 18 | rVB | 237702 | 343606 | 9.65% | 1.022% |
| 2 | 5.116 | 512 | 515 | 527 | rBV | 86702 | 119826 | 3.36% | 0.356% |
| 3 | 5.504 | 577 | 581 | 599 | rBV | 3379255 | 3560975 | 100.00% | 10.594% |
| 4 | 6.516 | 748 | 753 | 771 | rBV | 3128304 | 3473669 | 97.55% | 10.334% |
| 5 | 6.651 | 771 | 776 | 779 | rBV | 3480428 | 3282493 | 92.18% | 9.765% |
| 6 | 6.875 | 810 | 814 | 821 | rBV | 1130083 | 911261 | 25.59% | 2.711% |
| 7 | 7.034 | 837 | 841 | 844 | rBV | 2731437 | 2503598 | 70.31% | 7.448% |
| 8 | 7.445 | 906 | 911 | 924 | rBV | 2143079 | 2381952 | 66.89% | 7.086% |
| 9 | 7.539 | 924 | 927 | 935 | rVB | 26302 | 48698 | 1.37% | 0.145% |
| 10 | 8.157 | 1029 | 1032 | 1052 | rVB | 1225012 | 1310234 | 36.79% | 3.898% |
| 11 | 8.875 | 1151 | 1154 | 1161 | rBV | 46134 | 48151 | 1.35% | 0.143% |
| 12 | 9.233 | 1211 | 1215 | 1224 | rBV | 3207871 | 3080120 | 86.50% | 9.163% |
| 13 | 9.304 | 1224 | 1227 | 1230 | rVB | 71339 | 70489 | 1.98% | 0.210% |
| 14 | 9.575 | 1268 | 1273 | 1275 | rBV2 | 32402 | 40248 | 1.13% | 0.120% |
| 15 | 9.627 | 1275 | 1282 | 1288 | rVB | 276636 | 335888 | 9.43% | 0.999% |
| 16 | 9.780 | 1304 | 1308 | 1312 | rBV | 41167 | 49654 | 1.39% | 0.148% |
| 17 | 9.833 | 1312 | 1317 | 1321 | rVV | 151473 | 141386 | 3.97% | 0.421% |
| 18 | 9.916 | 1328 | 1331 | 1335 | rBV2 | 1276808 | 1135837 | 31.90% | 3.379% |
| 19 | 9.945 | 1335 | 1336 | 1343 | rVB | 121897 | 120502 | 3.38% | 0.358% |
| 20 | 10.069 | 1352 | 1357 | 1359 | rBV3 | 22401 | 37980 | 1.07% | 0.113% |
| 21 | 10.122 | 1362 | 1366 | 1369 | rVV3 | 69680 | 78668 | 2.21% | 0.234% |
| 22 | 10.151 | 1369 | 1371 | 1375 | rVB3 | 46205 | 50864 | 1.43% | 0.151% |
| 23 | 10.304 | 1395 | 1397 | 1399 | rBV | 61680 | 57455 | 1.61% | 0.171% |
| 24 | 10.327 | 1399 | 1401 | 1405 | rVB | 179160 | 155509 | 4.37% | 0.463% |
| 25 | 10.469 | 1421 | 1425 | 1431 | rVB | 80297 | 85927 | 2.41% | 0.256% |
| 26 | 10.551 | 1431 | 1439 | 1441 | rBV2 | 73246 | 94255 | 2.65% | 0.280% |
| 27 | 10.710 | 1462 | 1466 | 1479 | rBV | 1426573 | 1552921 | 43.61% | 4.620% |
| 28 | 10.804 | 1479 | 1482 | 1491 | rVB | 183124 | 228304 | 6.41% | 0.679% |
| 29 | 11.251 | 1555 | 1558 | 1561 | rBV2 | 135741 | 127485 | 3.58% | 0.379% |
| 30 | 11.410 | 1581 | 1585 | 1587 | rBV | 969366 | 860545 | 24.17% | 2.560% |
| 31 | 11.433 | 1587 | 1589 | 1594 | rVV | 655642 | 554101 | 15.56% | 1.648% |
| 32 | 11.486 | 1594 | 1598 | 1603 | rVV | 169198 | 170060 | 4.78% | 0.506% |
| 33 | 11.645 | 1621 | 1625 | 1629 | rBV2 | 59278 | 86105 | 2.42% | 0.256% |
| 34 | 11.680 | 1629 | 1631 | 1633 | rVB | 73212 | 54591 | 1.53% | 0.162% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.916 | 1667 | 1671 | 1673 | rBV2 | 105889 | 121466 | 3.41% | 0.361% |
| 36 | 11.939 | 1673 | 1675 | 1679 | rVB | 95629 | 92319 | 2.59% | 0.275% |
| 37 | 11.986 | 1681 | 1683 | 1686 | rVB | 36480 | 36610 | 1.03% | 0.109% |
| 38 | 12.027 | 1686 | 1690 | 1692 | rBV2 | 116717 | 129199 | 3.63% | 0.384% |
| 39 | 12.086 | 1698 | 1700 | 1704 | rBV2 | 43888 | 48017 | 1.35% | 0.143% |
| 40 | 12.204 | 1717 | 1720 | 1723 | rBV | 51271 | 49729 | 1.40% | 0.148% |
| 41 | 12.245 | 1724 | 1727 | 1731 | rVB | 41888 | 46895 | 1.32% | 0.140% |
| 42 | 12.457 | 1761 | 1763 | 1768 | rBV2 | 48566 | 77209 | 2.17% | 0.230% |
| 43 | 12.557 | 1776 | 1780 | 1783 | rBV3 | 47553 | 66659 | 1.87% | 0.198% |
| 44 | 12.627 | 1789 | 1792 | 1796 | rBV | 837581 | 706848 | 19.85% | 2.103% |
| 45 | 12.857 | 1825 | 1831 | 1837 | rBV | 662758 | 804031 | 22.58% | 2.392% |
| 46 | 12.910 | 1837 | 1840 | 1842 | rBV2 | 40214 | 39776 | 1.12% | 0.118% |
| 47 | 12.992 | 1850 | 1854 | 1858 | rBV | 1774100 | 1703213 | 47.83% | 5.067% |
| 48 | 13.186 | 1885 | 1887 | 1892 | rVB | 96142 | 92226 | 2.59% | 0.274% |
| 49 | 13.251 | 1896 | 1898 | 1900 | rBV | 63825 | 54845 | 1.54% | 0.163% |
| 50 | 13.415 | 1924 | 1926 | 1931 | rBV2 | 47408 | 65562 | 1.84% | 0.195% |
| 51 | 13.810 | 1991 | 1993 | 1995 | rBV | 62398 | 45024 | 1.26% | 0.134% |
| 52 | 13.874 | 2001 | 2004 | 2008 | rBV4 | 185800 | 187666 | 5.27% | 0.558% |
| 53 | 14.062 | 2031 | 2036 | 2039 | rBV2 | 795649 | 1033684 | 29.03% | 3.075% |
| 54 | 14.086 | 2039 | 2040 | 2047 | rVB | 344244 | 279657 | 7.85% | 0.832% |
| 55 | 15.133 | 2214 | 2218 | 2220 | rBV | 218211 | 288814 | 8.11% | 0.859% |
| 56 | 15.445 | 2268 | 2271 | 2274 | rVB | 106882 | 125787 | 3.53% | 0.374% |
| 57 | 15.574 | 2290 | 2293 | 2297 | rVB | 320501 | 365742 | 10.27% | 1.088% |

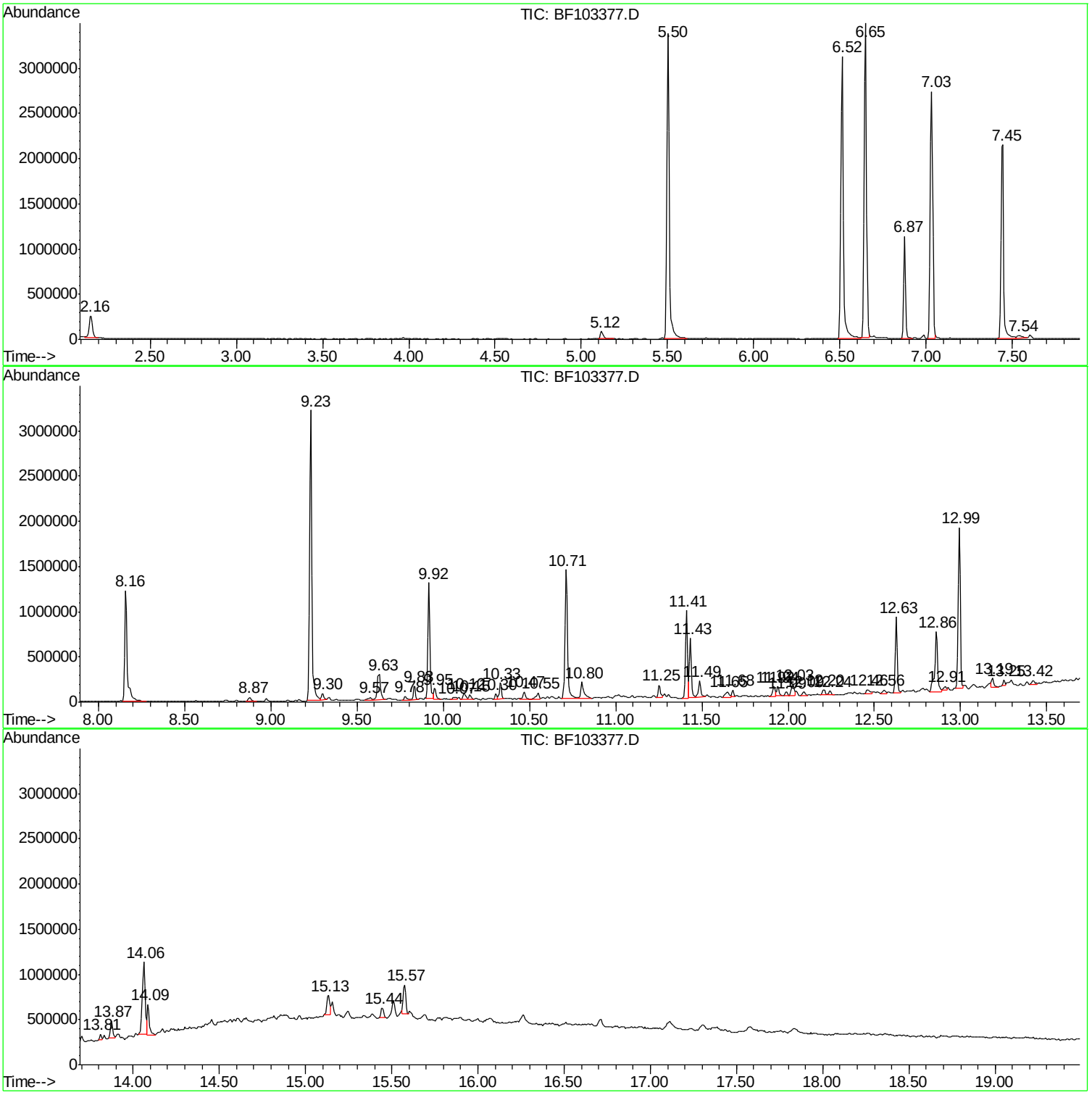
Sum of corrected areas: 33614335

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

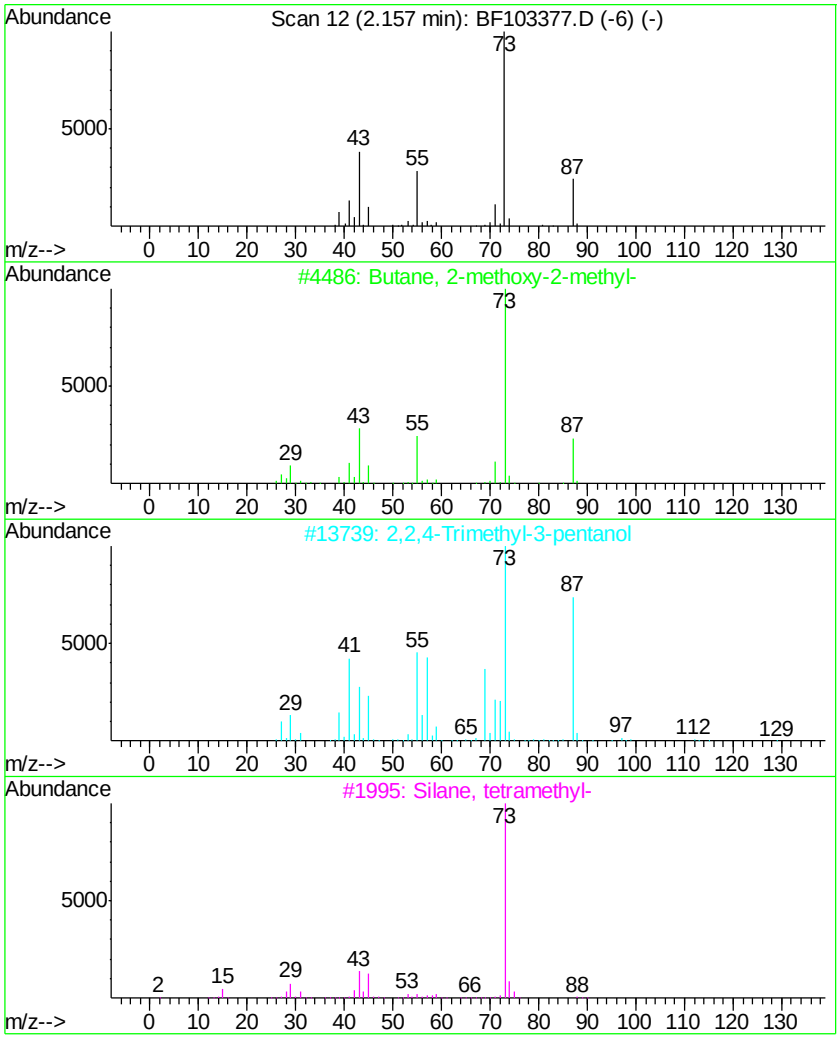
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

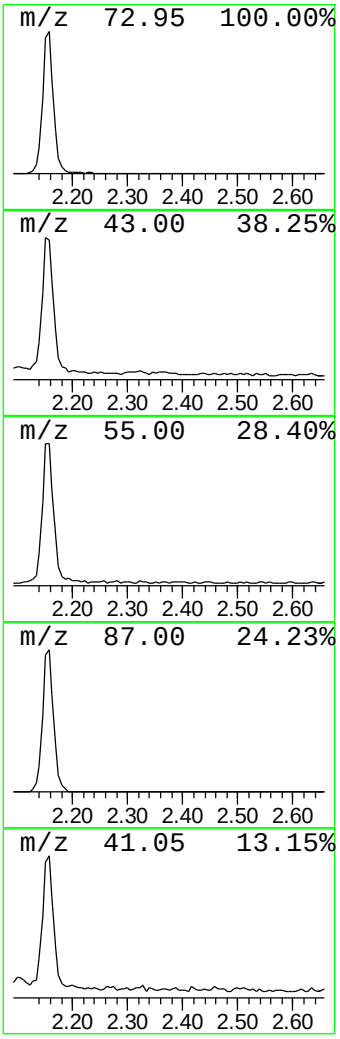
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.16 | 7.54 ng | 343606 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

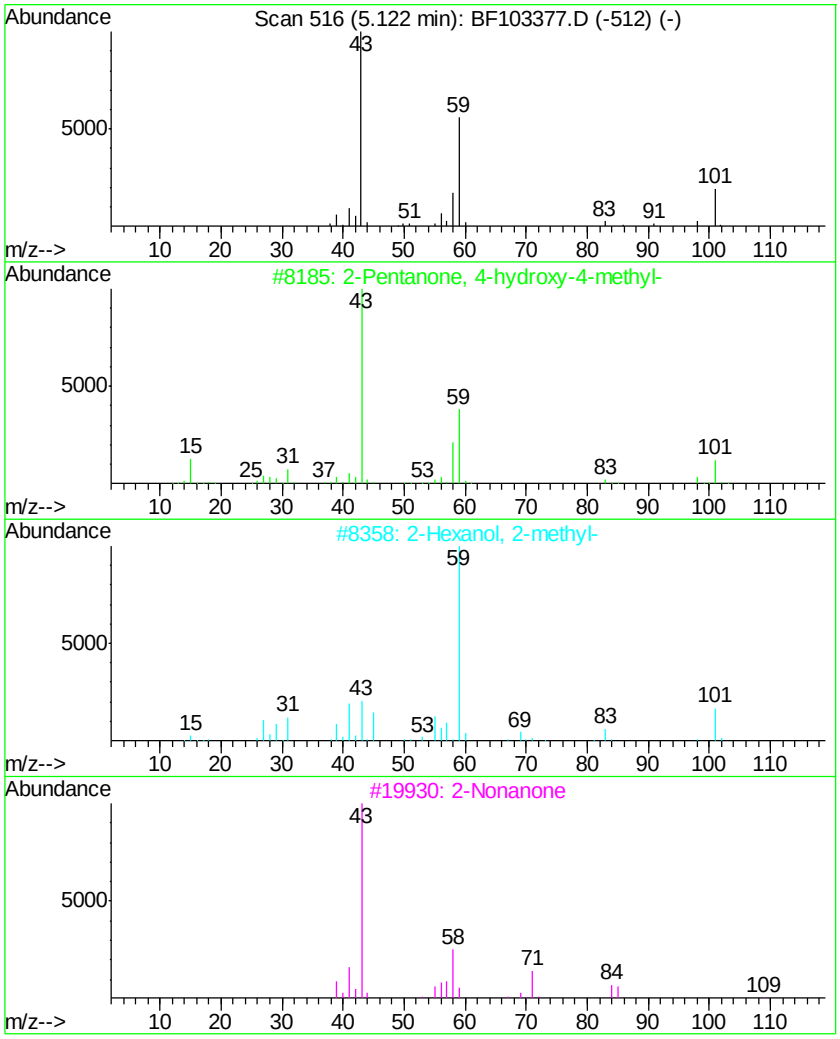
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

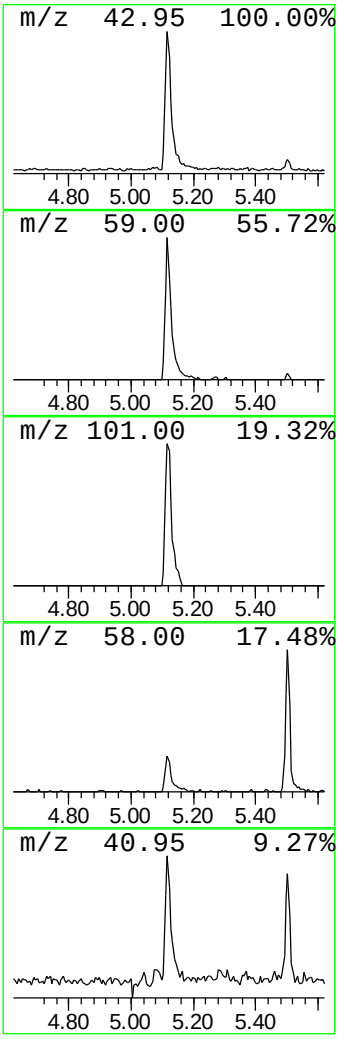
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.12 | 2.63 ng | 119826 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 3 | 2-Nonanone | 142 | C9H18O | 000821-55-6 | 17 |
| 4 | Diacetamide | 101 | C4H7NO2 | 000625-77-4 | 9 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

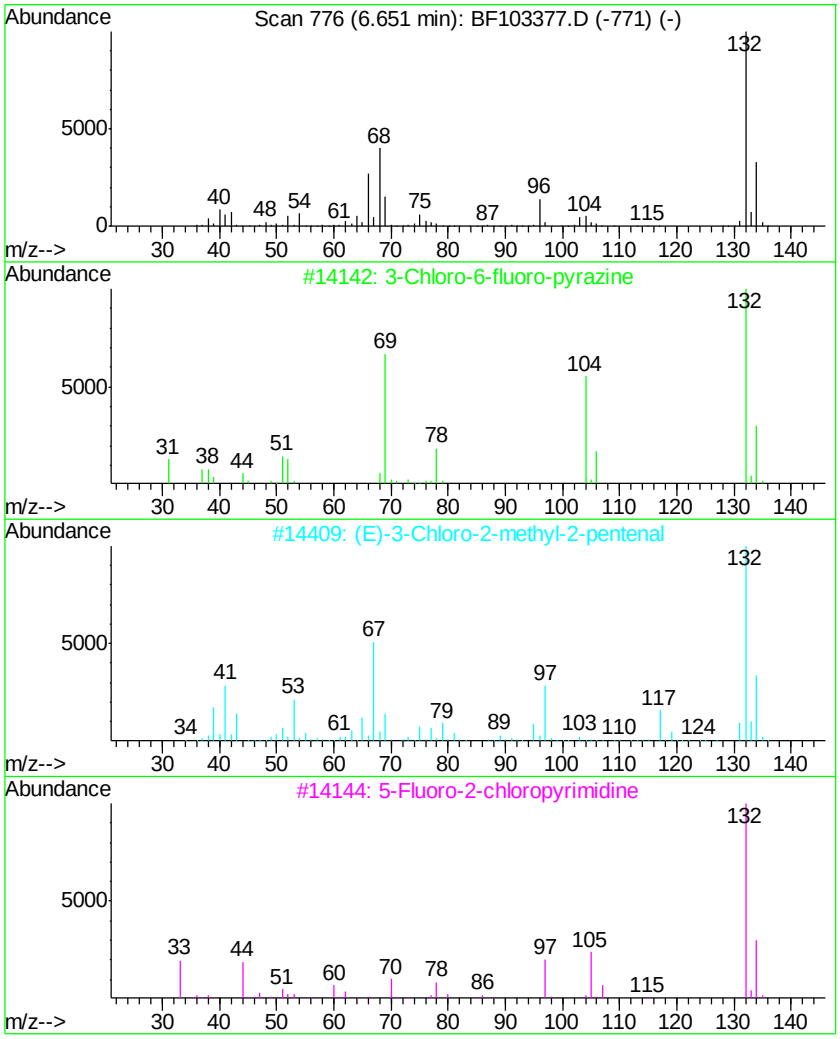
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

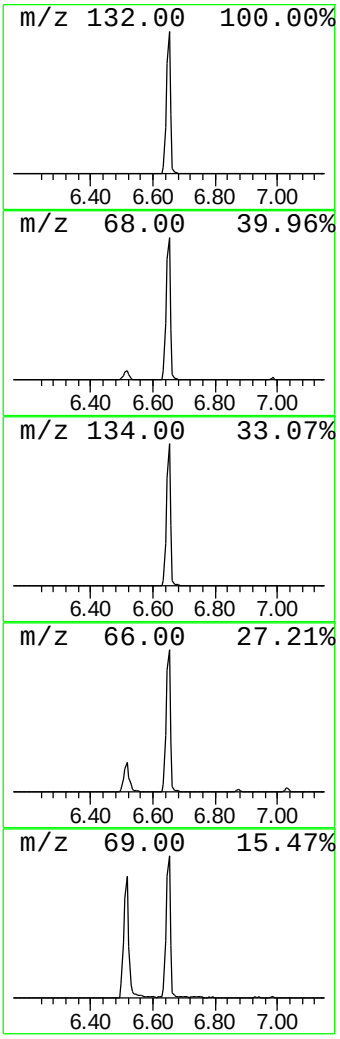
**********

Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 72.04 ng | 3282490 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

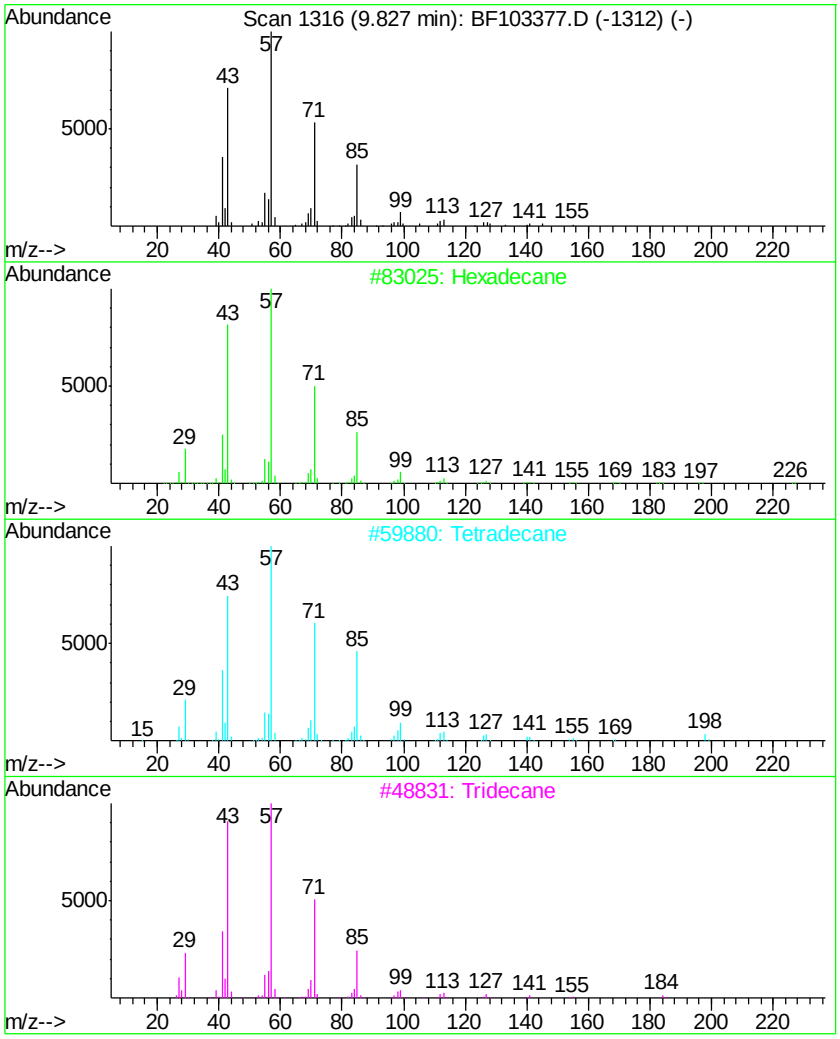
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

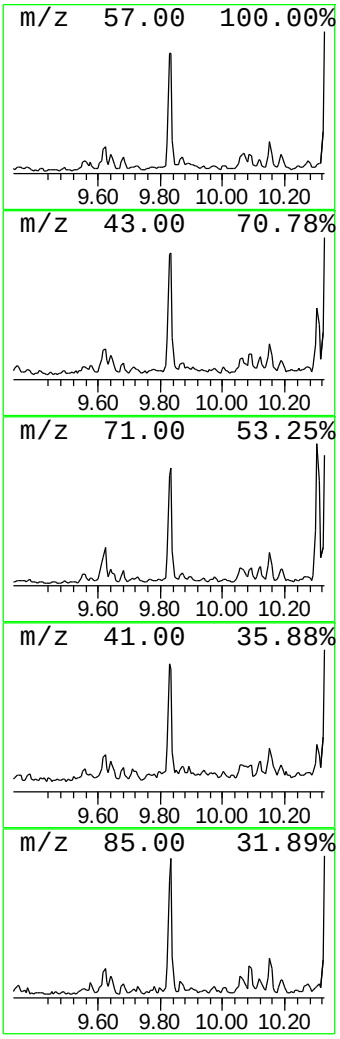
**********

Peak Number 5 Hexadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.83 | 2.49 ng | 141386 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 64 |
| 4 | Tridecane, 2-methyl- | 198 | C14H30 | 001560-96-9 | 64 |
| 5 | Nonane, 5-butyl- | 184 | C13H28 | 017312-63-9 | 64 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

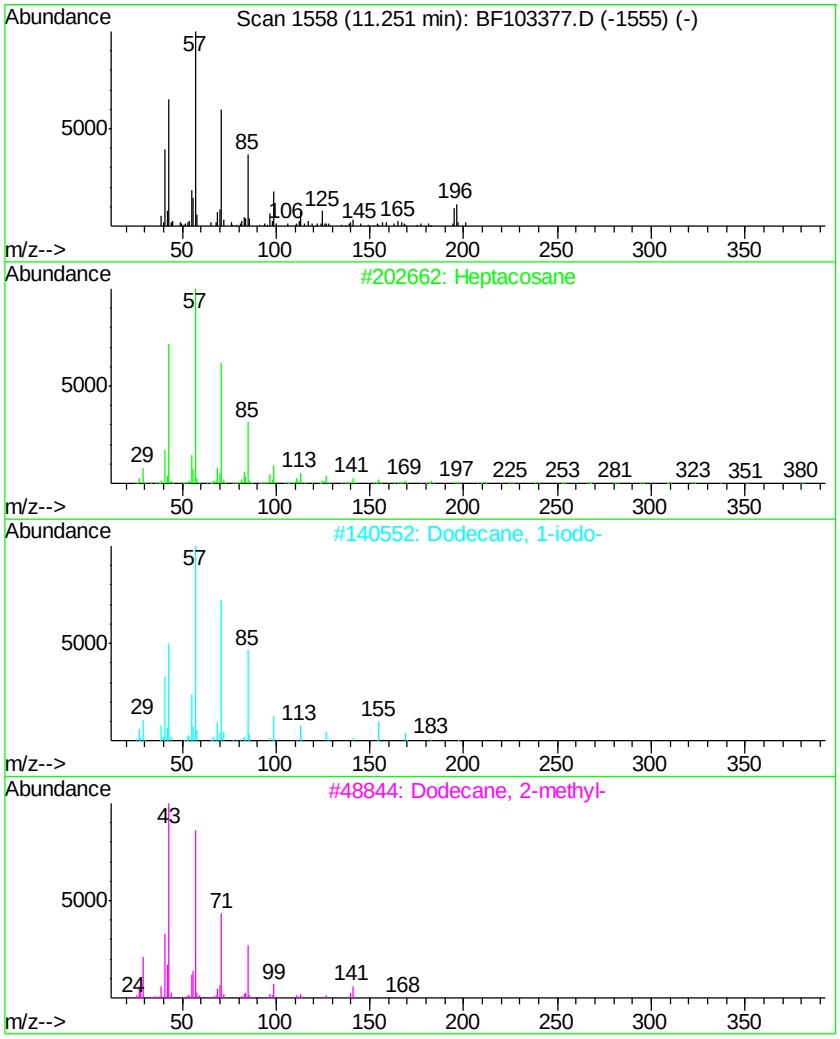
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

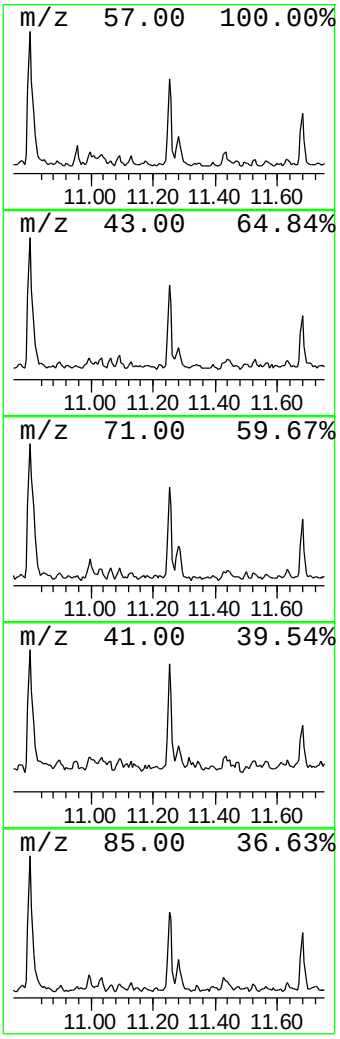
**********

Peak Number 8 Heptacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.25 | 2.96 ng | 127485 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |
| 2 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |
| 3 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 59 |
| 4 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 58 |
| 5 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 53 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

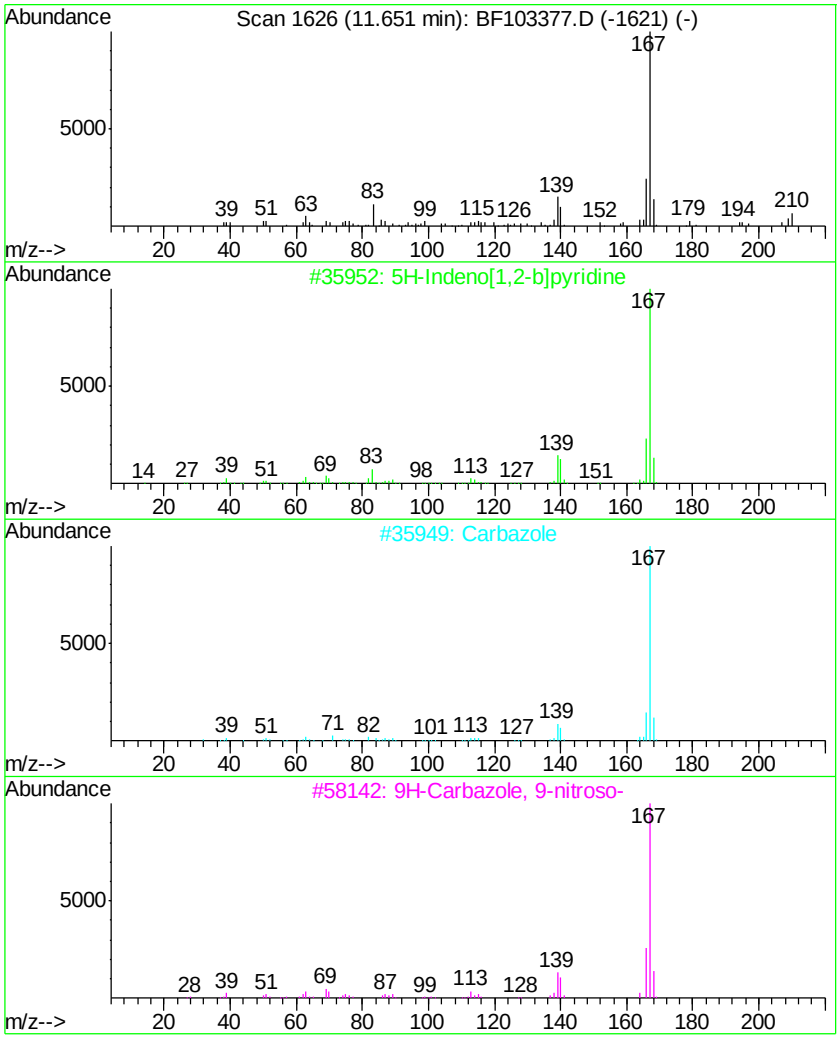
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

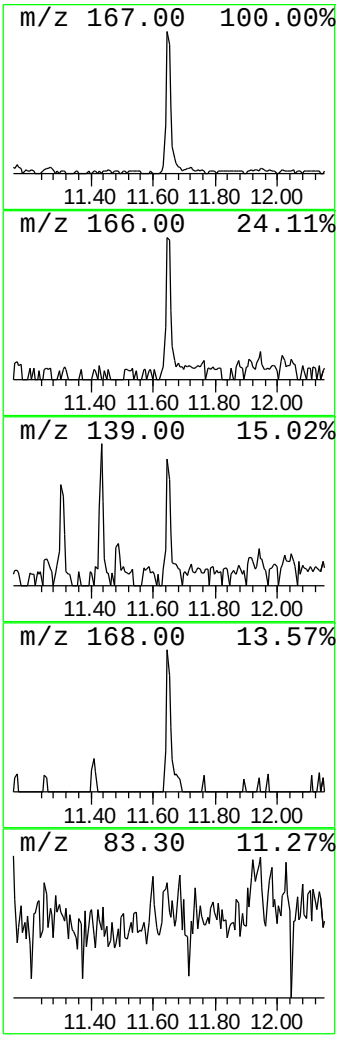
**********

Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 2.00 ng | 86105 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 87 |
| 2 | Carbazole | 167 | C12H9N | 000086-74-8 | 87 |
| 3 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 86 |
| 4 | D-Galactitol, 2-(acetylmethylami... | 363 | C16H29NO8 | 074410-42-7 | 80 |
| 5 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 72 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

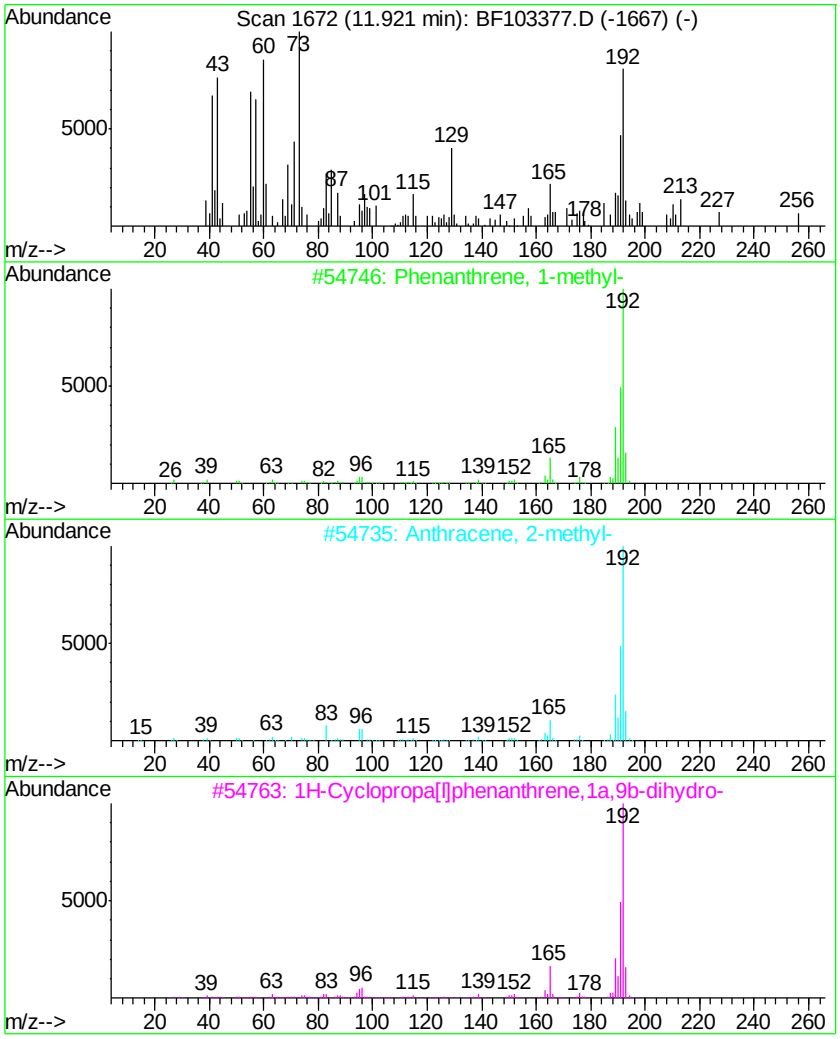
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

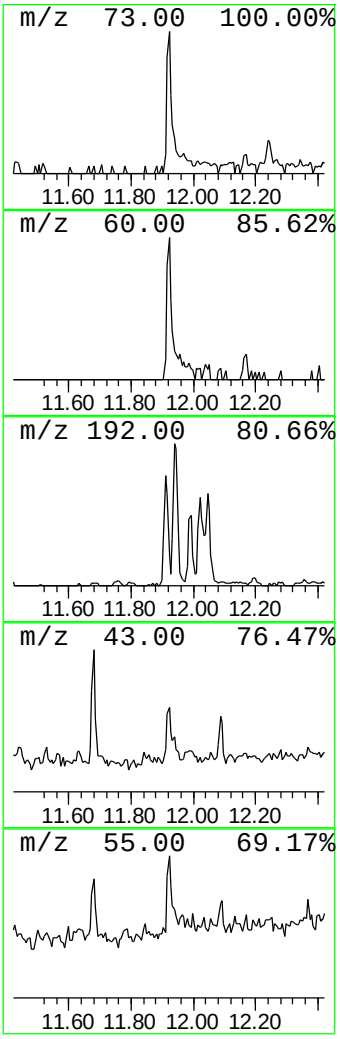
**********

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 2.82 ng | 121466 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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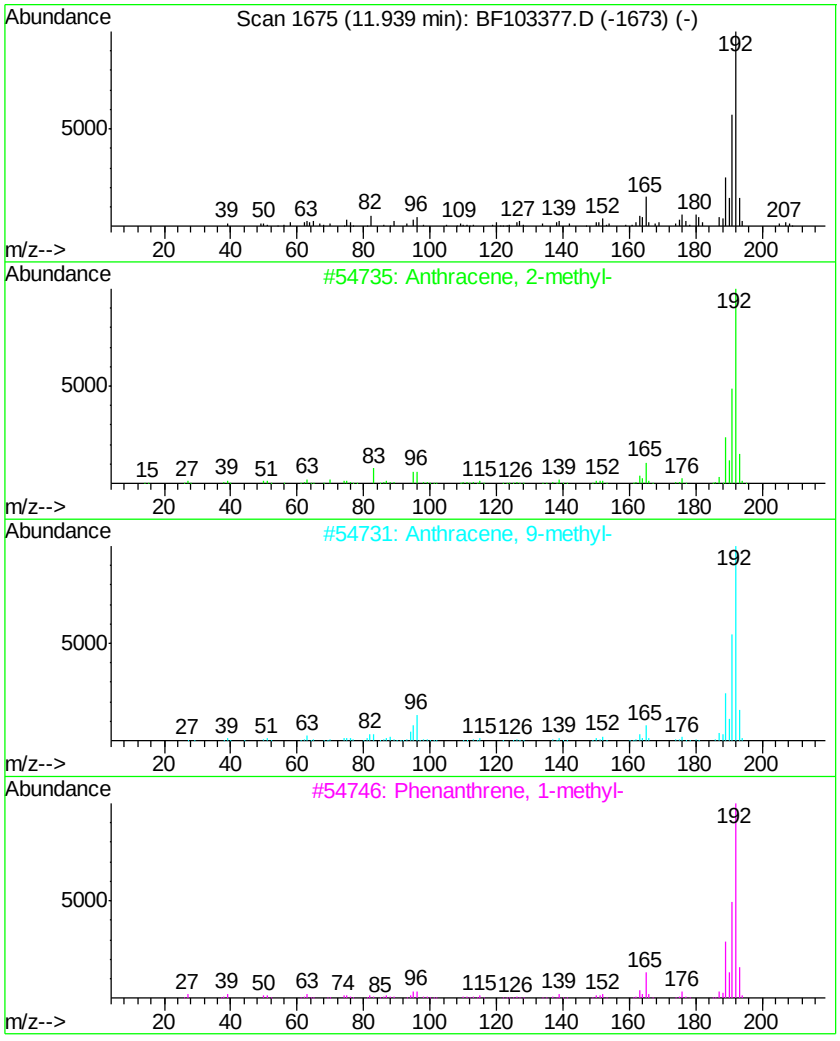
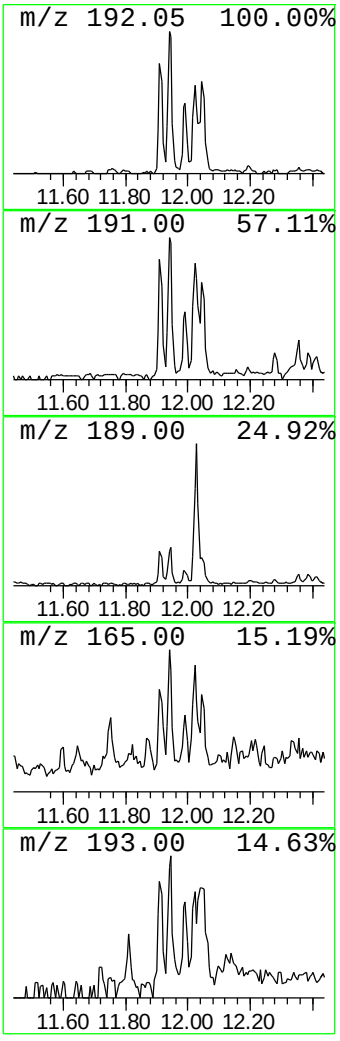
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 2.15 ng | 92319 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

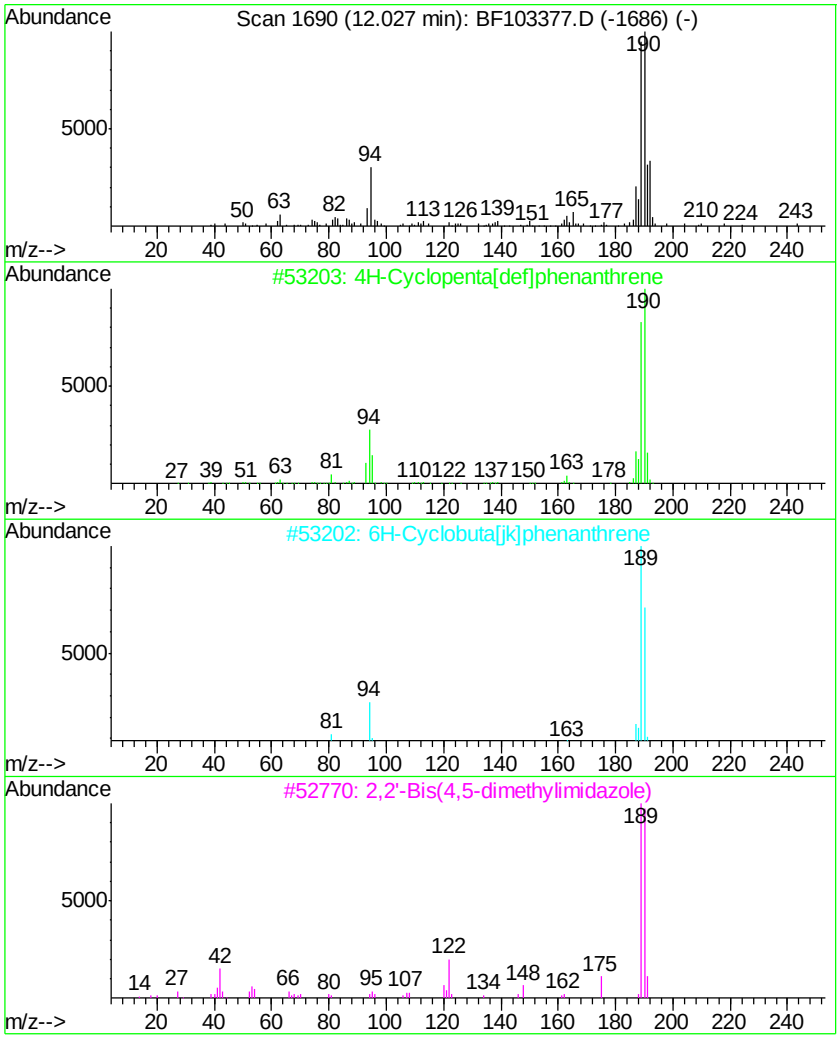
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

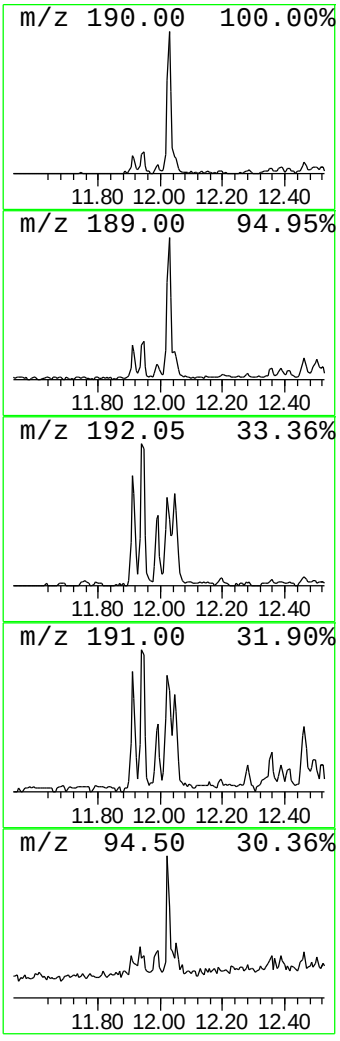
**********

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.03 | 3.00 ng | 129199 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |
| 4 | Megastigmatrienone | 190 | C13H18O | 038818-55-2 | 25 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

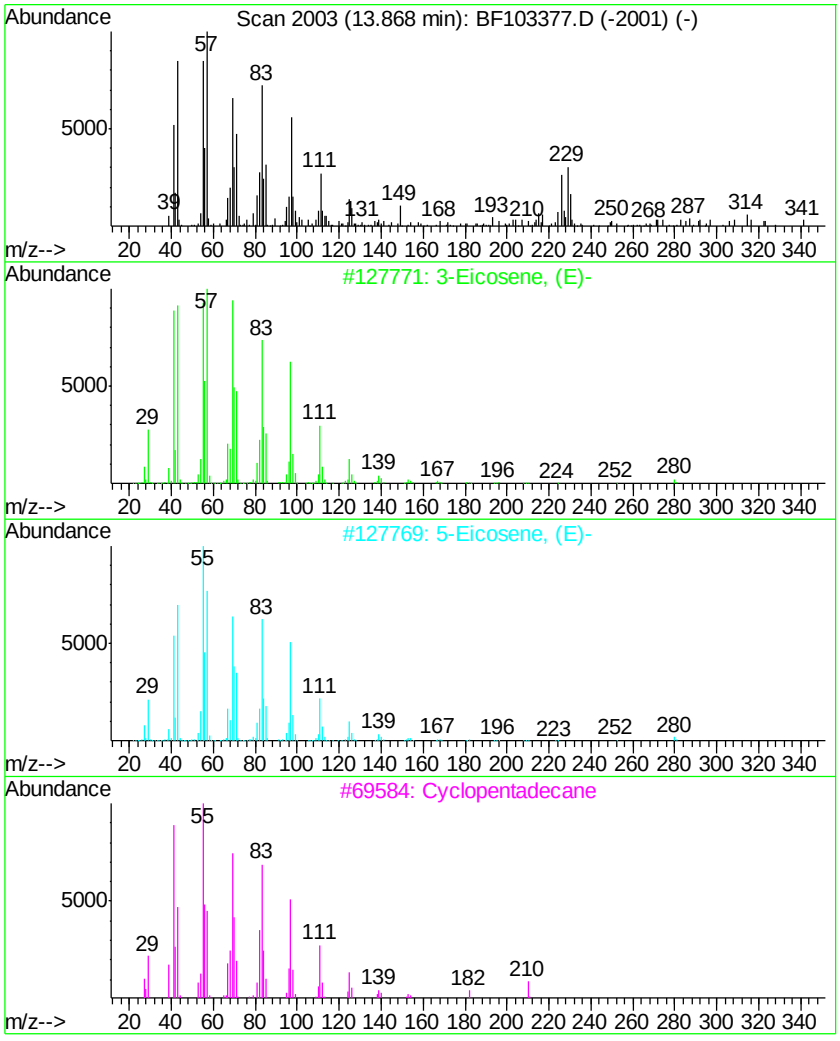
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

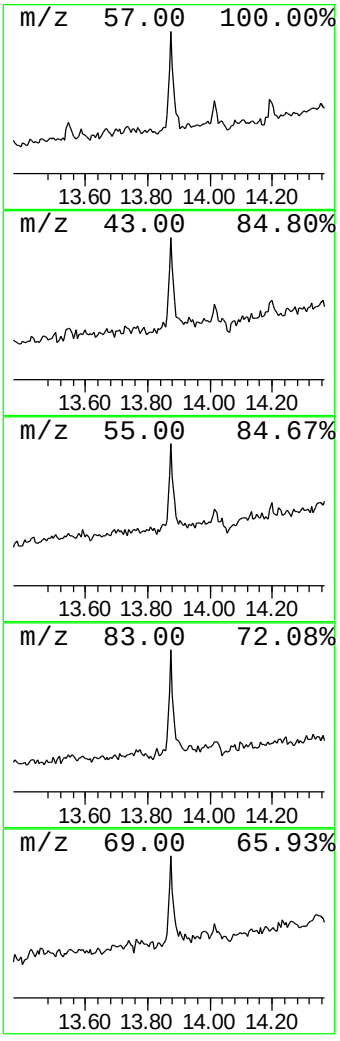
**********

Peak Number 13 3-Eicosene, (E)- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.87 | 3.63 ng | 187666 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 99 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 98 |
| 3 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 96 |
| 4 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 93 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF030218\
Data File : BF103377.D
Acq On : 2 Mar 2018 20:37
Operator : SJ/JU
Sample : J1721-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-48

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 |
| Butane, 2-methoxy... | 2.16 | 7.5 | ng | 343606 | 1 | 6.87 | 911261 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12 | 2.6 | ng | 119826 | 1 | 6.87 | 911261 | 20.0 |
| unknown6.65 | 6.65 | 72.0 | ng | 3282490 | 1 | 6.87 | 911261 | 20.0 |
| Hexadecane | 9.83 | 2.5 | ng | 141386 | 3 | 9.92 | 1135840 | 20.0 |
| Heptacosane | 11.25 | 3.0 | ng | 127485 | 4 | 11.41 | 860545 | 20.0 |
| 5H-Indeno[1,2-b]p... | 11.65 | 2.0 | ng | 86105 | 4 | 11.41 | 860545 | 20.0 |
| Phenanthrene, 1-m... | 11.92 | 2.8 | ng | 121466 | 4 | 11.41 | 860545 | 20.0 |
| Anthracene, 2-met... | 11.94 | 2.1 | ng | 92319 | 4 | 11.41 | 860545 | 20.0 |
| 4H-Cyclopenta[def... | 12.03 | 3.0 | ng | 129199 | 4 | 11.41 | 860545 | 20.0 |
| 3-Eicosene, (E)- | 13.87 | 3.6 | ng | 187666 | 5 | 14.06 | 1033680 | 20.0 |