LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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 | 5.104 | 510 | 513 | 524 | rBV | 57425 | 89485 | 2.56% | 0.248% |
| 2 | 5.498 | 576 | 580 | 607 | rBV | 2452107 | 3316276 | 94.69% | 9.203% |
| 3 | 6.516 | 748 | 753 | 771 | rBV | 2345545 | 3502213 | 100.00% | 9.719% |
| 4 | 6.645 | 771 | 775 | 797 | rVB | 2995222 | 3342718 | 95.45% | 9.277% |
| 5 | 6.869 | 810 | 813 | 821 | rBV | 783495 | 811948 | 23.18% | 2.253% |
| 6 | 7.028 | 836 | 840 | 856 | rBV | 2230582 | 2349995 | 67.10% | 6.522% |
| 7 | 7.439 | 906 | 910 | 924 | rBV | 1813059 | 2107484 | 60.18% | 5.849% |
| 8 | 8.157 | 1028 | 1032 | 1050 | rVB | 885032 | 1243832 | 35.52% | 3.452% |
| 9 | 8.728 | 1124 | 1129 | 1133 | rBV | 41265 | 40501 | 1.16% | 0.112% |
| 10 | 8.798 | 1138 | 1141 | 1150 | rVB10 | 13147 | 35493 | 1.01% | 0.099% |
| 11 | 8.875 | 1150 | 1154 | 1160 | rBV | 54236 | 69390 | 1.98% | 0.193% |
| 12 | 9.228 | 1210 | 1214 | 1223 | rBV | 3127796 | 3010302 | 85.95% | 8.354% |
| 13 | 9.292 | 1223 | 1225 | 1229 | rVV | 110066 | 101930 | 2.91% | 0.283% |
| 14 | 9.333 | 1229 | 1232 | 1237 | rVV | 31654 | 37439 | 1.07% | 0.104% |
| 15 | 9.622 | 1275 | 1281 | 1287 | rBV | 187879 | 263187 | 7.51% | 0.730% |
| 16 | 9.775 | 1303 | 1307 | 1312 | rBV | 82436 | 101194 | 2.89% | 0.281% |
| 17 | 9.822 | 1312 | 1315 | 1319 | rVV | 179543 | 153546 | 4.38% | 0.426% |
| 18 | 9.910 | 1327 | 1330 | 1334 | rBV | 1039758 | 1036156 | 29.59% | 2.876% |
| 19 | 9.945 | 1334 | 1336 | 1339 | rVB | 66783 | 62286 | 1.78% | 0.173% |
| 20 | 10.057 | 1352 | 1355 | 1358 | rBV3 | 29719 | 43721 | 1.25% | 0.121% |
| 21 | 10.122 | 1362 | 1366 | 1368 | rVV2 | 61958 | 79989 | 2.28% | 0.222% |
| 22 | 10.145 | 1368 | 1370 | 1374 | rVB3 | 48695 | 62926 | 1.80% | 0.175% |
| 23 | 10.227 | 1380 | 1384 | 1387 | rBV4 | 28435 | 44130 | 1.26% | 0.122% |
| 24 | 10.322 | 1397 | 1400 | 1404 | rVB | 221001 | 186017 | 5.31% | 0.516% |
| 25 | 10.463 | 1421 | 1424 | 1431 | rVB | 71605 | 88926 | 2.54% | 0.247% |
| 26 | 10.545 | 1433 | 1438 | 1440 | rBV2 | 96099 | 125954 | 3.60% | 0.350% |
| 27 | 10.622 | 1449 | 1451 | 1456 | rVB4 | 36549 | 40753 | 1.16% | 0.113% |
| 28 | 10.710 | 1462 | 1466 | 1478 | rBV | 1478504 | 1680852 | 47.99% | 4.665% |
| 29 | 10.798 | 1478 | 1481 | 1491 | rVB | 250667 | 323322 | 9.23% | 0.897% |
| 30 | 10.951 | 1504 | 1507 | 1511 | rVB | 45873 | 44283 | 1.26% | 0.123% |
| 31 | 11.039 | 1520 | 1522 | 1527 | rVB3 | 38378 | 40917 | 1.17% | 0.114% |
| 32 | 11.222 | 1550 | 1553 | 1555 | rBV | 38973 | 35777 | 1.02% | 0.099% |
| 33 | 11.245 | 1555 | 1557 | 1560 | rVV | 165705 | 159102 | 4.54% | 0.442% |
| 34 | 11.275 | 1560 | 1562 | 1565 | rVV2 | 70050 | 71675 | 2.05% | 0.199% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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 | 11.304 | 1565 | 1567 | 1572 | rVB | 56611 | 51741 | 1.48% | 0.144% |
| 36 | 11.410 | 1581 | 1585 | 1587 | rBV | 922824 | 959380 | 27.39% | 2.662% |
| 37 | 11.433 | 1587 | 1589 | 1593 | rVV | 785614 | 666208 | 19.02% | 1.849% |
| 38 | 11.486 | 1595 | 1598 | 1602 | rVV | 183308 | 167513 | 4.78% | 0.465% |
| 39 | 11.645 | 1620 | 1625 | 1628 | rBV2 | 76743 | 108403 | 3.10% | 0.301% |
| 40 | 11.674 | 1628 | 1630 | 1632 | rVB | 108643 | 75989 | 2.17% | 0.211% |
| 41 | 11.916 | 1667 | 1671 | 1673 | rBV2 | 257886 | 289556 | 8.27% | 0.804% |
| 42 | 11.939 | 1673 | 1675 | 1681 | rVB2 | 167254 | 163555 | 4.67% | 0.454% |
| 43 | 11.986 | 1681 | 1683 | 1686 | rVB | 56216 | 48149 | 1.37% | 0.134% |
| 44 | 12.022 | 1686 | 1689 | 1692 | rBV | 173785 | 207350 | 5.92% | 0.575% |
| 45 | 12.080 | 1697 | 1699 | 1703 | rBV3 | 79103 | 78068 | 2.23% | 0.217% |
| 46 | 12.204 | 1717 | 1720 | 1724 | rBV | 92418 | 89843 | 2.57% | 0.249% |
| 47 | 12.245 | 1724 | 1727 | 1731 | rVB2 | 68895 | 76229 | 2.18% | 0.212% |
| 48 | 12.463 | 1761 | 1764 | 1768 | rBV2 | 88766 | 152625 | 4.36% | 0.424% |
| 49 | 12.557 | 1778 | 1780 | 1783 | rBV | 45250 | 43714 | 1.25% | 0.121% |
| 50 | 12.627 | 1788 | 1792 | 1796 | rBV | 1196735 | 1145432 | 32.71% | 3.179% |
| 51 | 12.863 | 1825 | 1832 | 1837 | rBV | 1049274 | 1290857 | 36.86% | 3.582% |
| 52 | 12.992 | 1850 | 1854 | 1858 | rBV | 2018242 | 1926875 | 55.02% | 5.347% |
| 53 | 13.074 | 1865 | 1868 | 1873 | rBV3 | 59907 | 112614 | 3.22% | 0.313% |
| 54 | 13.186 | 1885 | 1887 | 1892 | rVB2 | 162854 | 188049 | 5.37% | 0.522% |
| 55 | 13.257 | 1896 | 1899 | 1901 | rBV | 77517 | 74284 | 2.12% | 0.206% |
| 56 | 13.298 | 1903 | 1906 | 1909 | rVB2 | 71321 | 75025 | 2.14% | 0.208% |
| 57 | 13.421 | 1925 | 1927 | 1932 | rBV2 | 66944 | 76141 | 2.17% | 0.211% |
| 58 | 13.716 | 1974 | 1977 | 1984 | rVB | 93264 | 100064 | 2.86% | 0.278% |
| 59 | 13.886 | 2003 | 2006 | 2011 | rBV4 | 365589 | 443383 | 12.66% | 1.230% |
| 60 | 14.086 | 2035 | 2040 | 2043 | rBV2 | 732180 | 1153979 | 32.95% | 3.203% |
| 61 | 14.115 | 2043 | 2045 | 2048 | rVB | 436780 | 370583 | 10.58% | 1.028% |
| 62 | 15.192 | 2224 | 2228 | 2231 | rBV | 294691 | 449772 | 12.84% | 1.248% |
| 63 | 15.510 | 2279 | 2282 | 2286 | rVB | 159511 | 195965 | 5.60% | 0.544% |
| 64 | 15.574 | 2290 | 2293 | 2297 | rVB | 224593 | 253315 | 7.23% | 0.703% |
| 65 | 15.639 | 2301 | 2304 | 2307 | rVB | 259462 | 294913 | 8.42% | 0.818% |

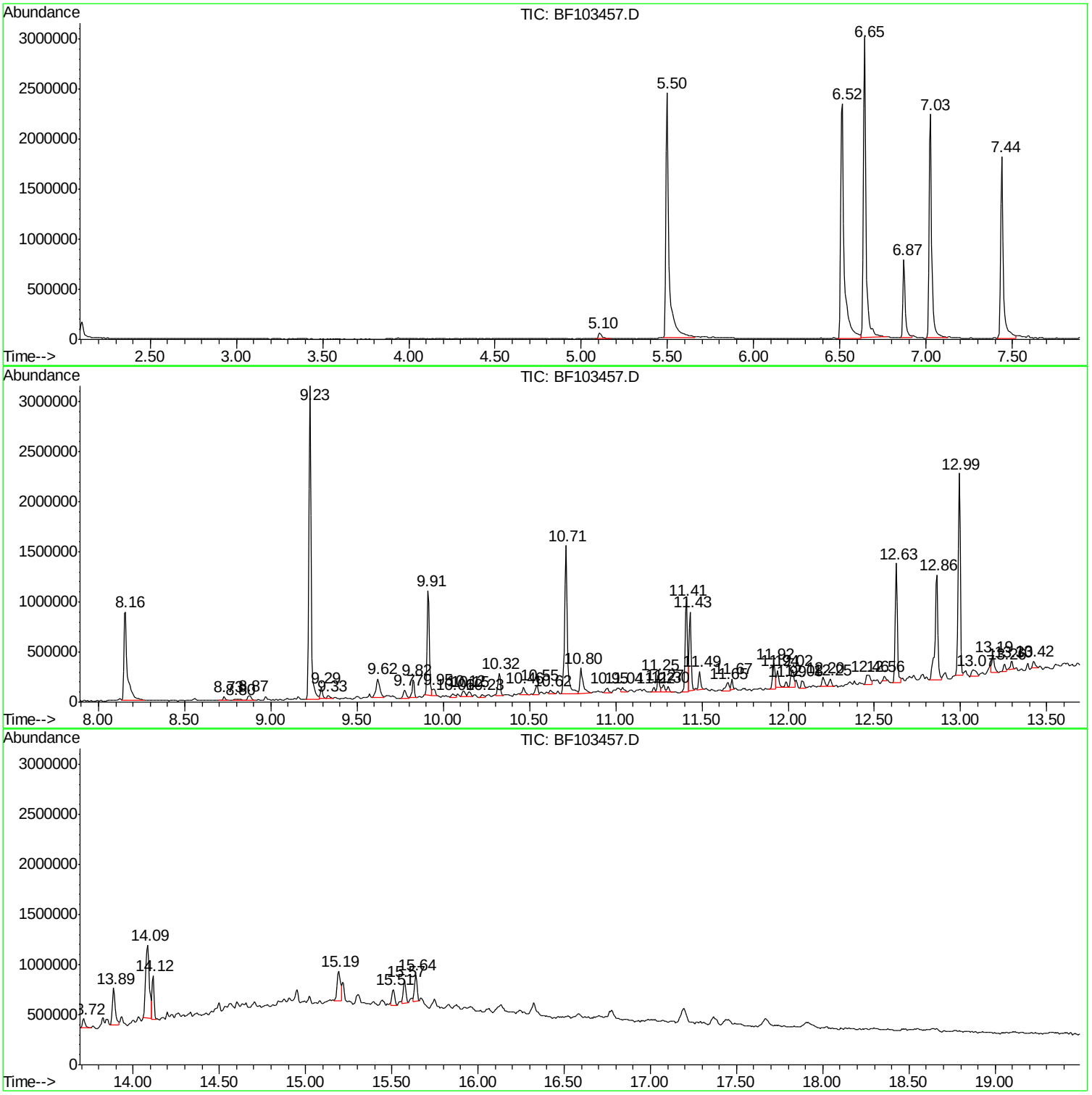
Sum of corrected areas: 36033293

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-12

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

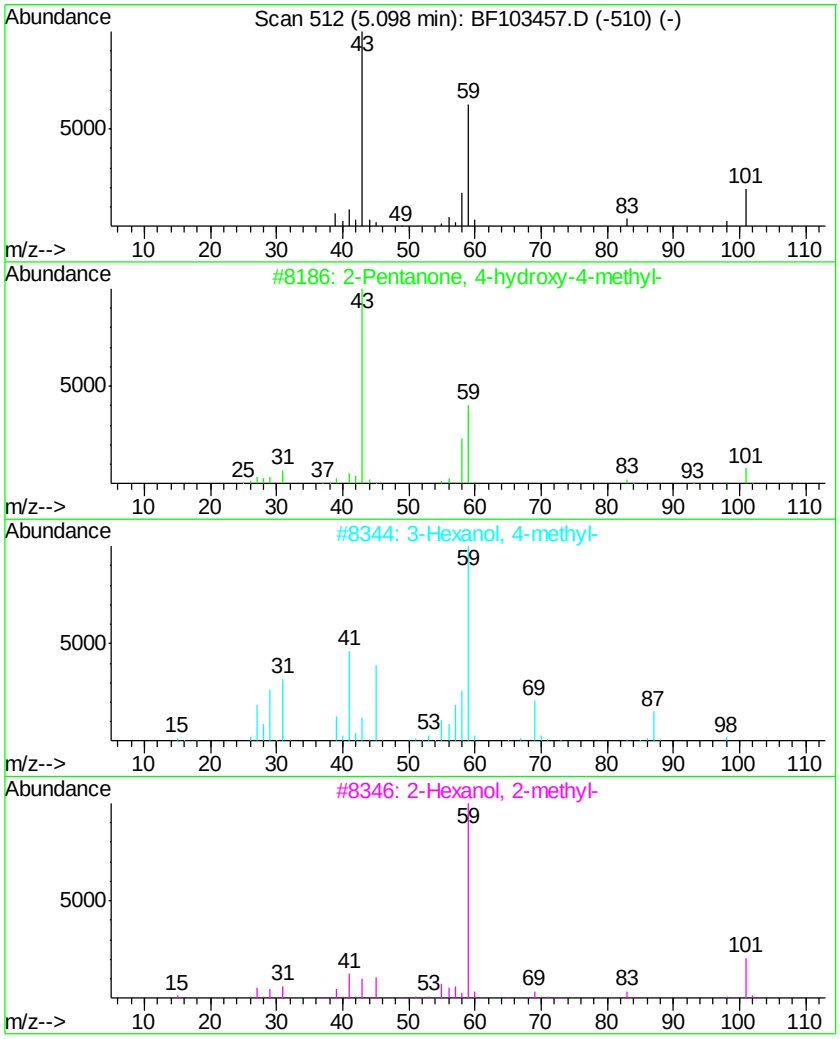
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

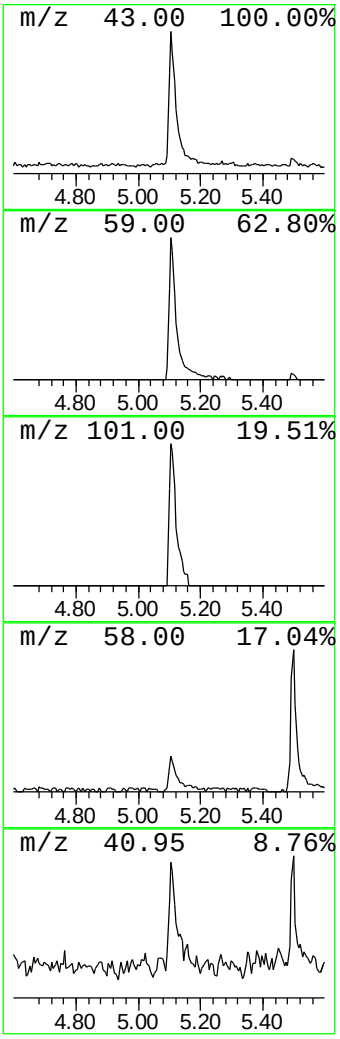
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.10 | 2.20 ng | 89485 | 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 | 56 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 38 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 5 | Guanidine | 59 | CH5N3 | 000113-00-8 | 9 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

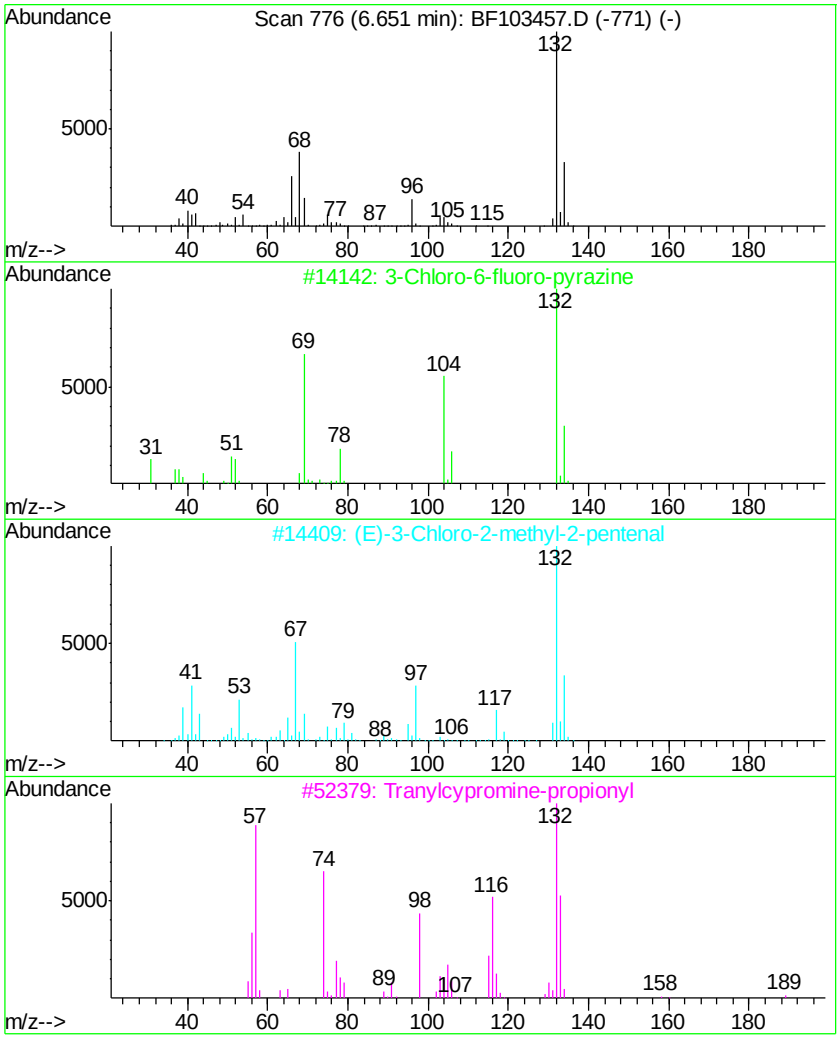
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

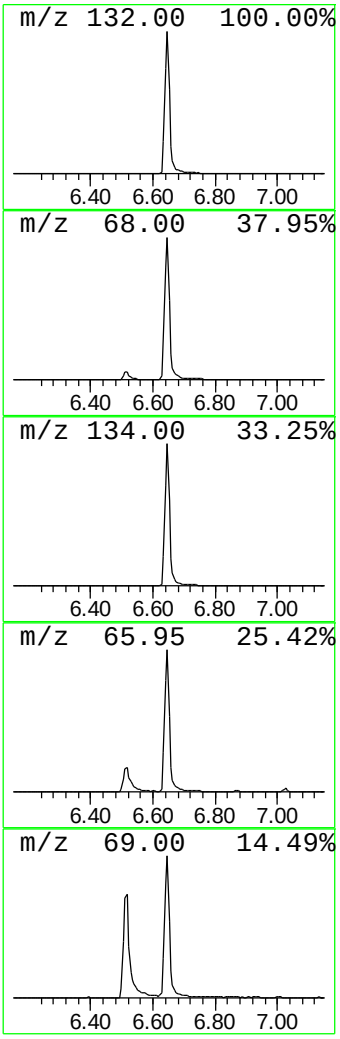
**********

Peak Number 2 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 82.34 ng | 3342720 | 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 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

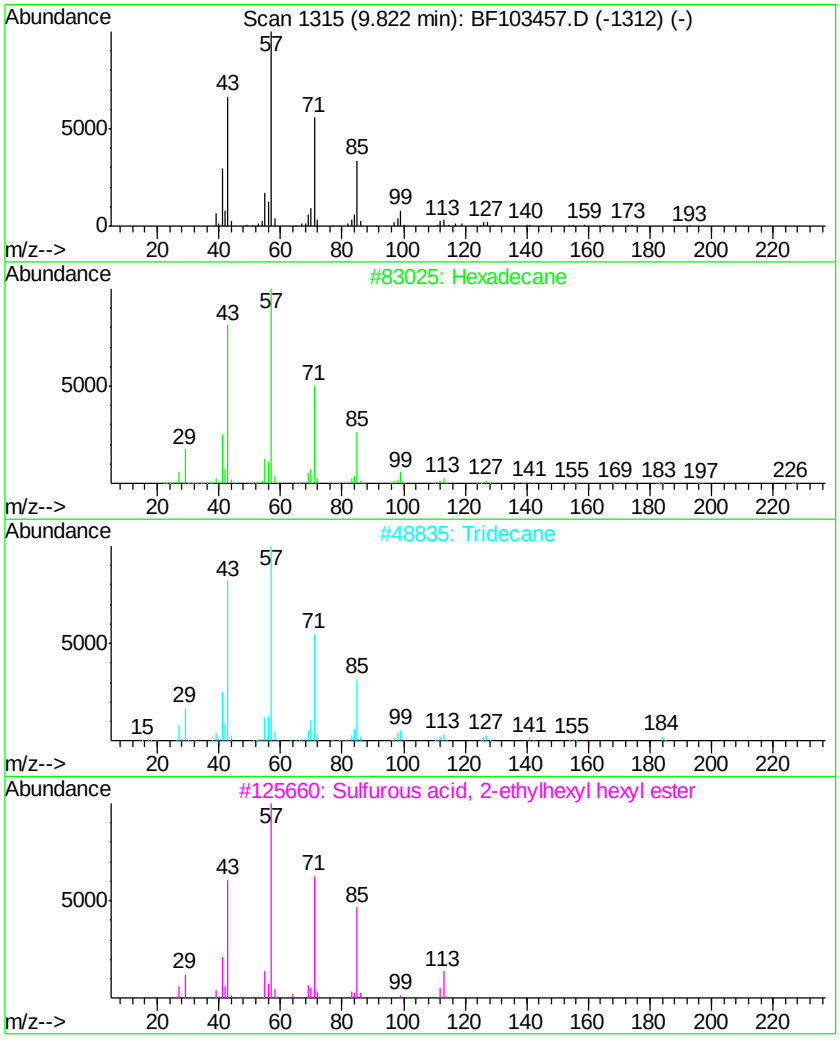
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

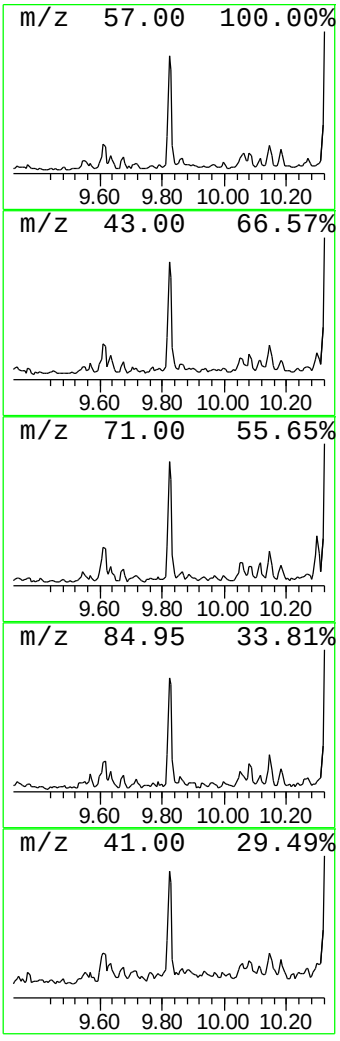
**********

Peak Number 4 Hexadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.82 | 2.96 ng | 153546 | Acenaphthene-d10 | 9.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 78 |
| 5 | Undecane | 156 | C11H24 | 001120-21-4 | 64 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

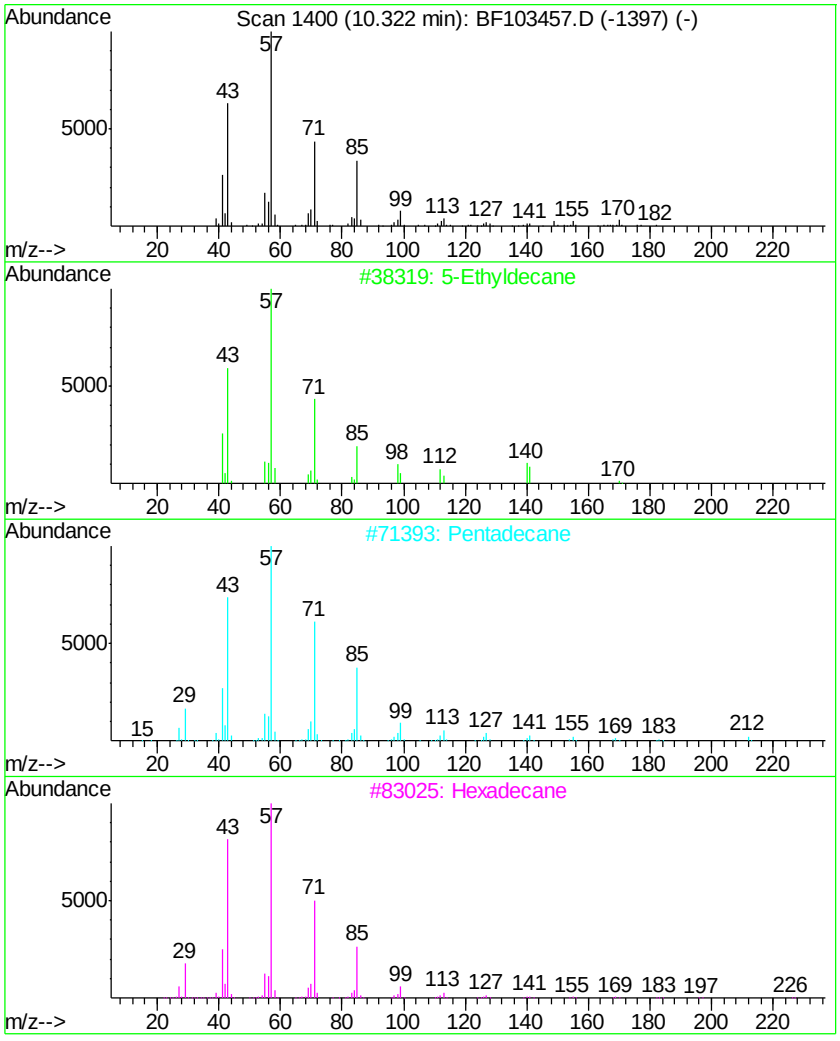
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

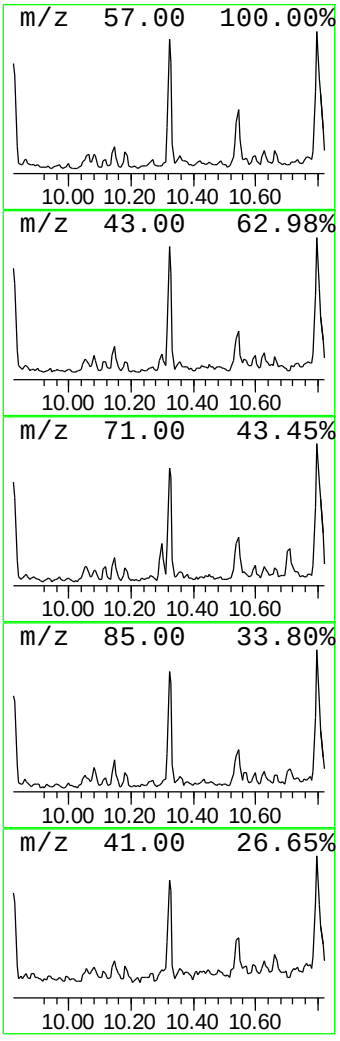
**********

Peak Number 5 5-Ethyldecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.32 | 3.59 ng | 186017 | Acenaphthene-d10 | 9.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Ethyldecane | 170 | C12H26 | 017302-36-2 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 72 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

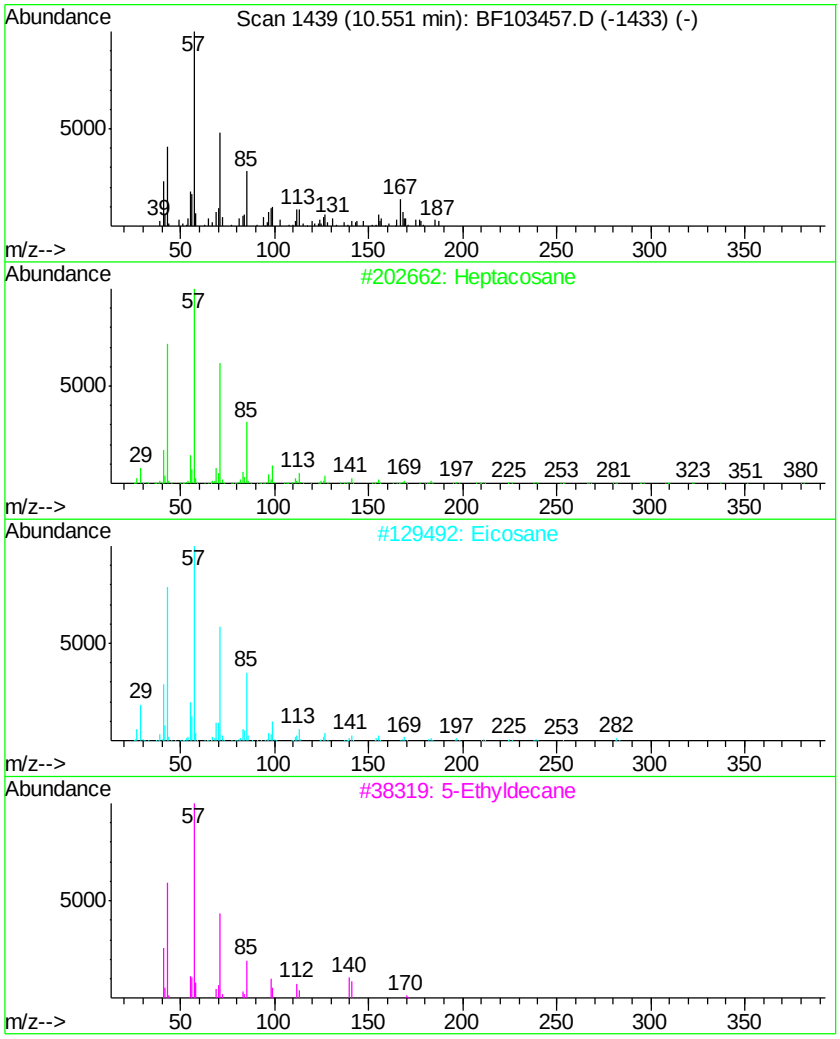
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

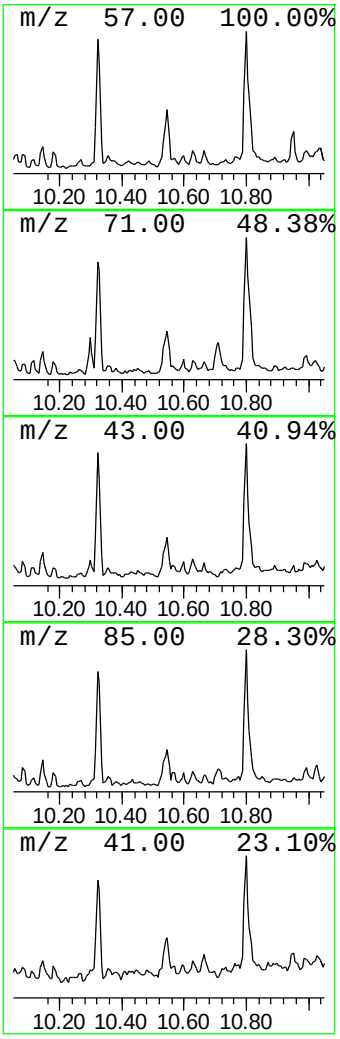
**********

Peak Number 6 Heptacosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.55 | 2.43 ng | 125954 | Acenaphthene-d10 | 9.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 3 | 5-Ethyldecane | 170 | C12H26 | 017302-36-2 | 74 |
| 4 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 72 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 64 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

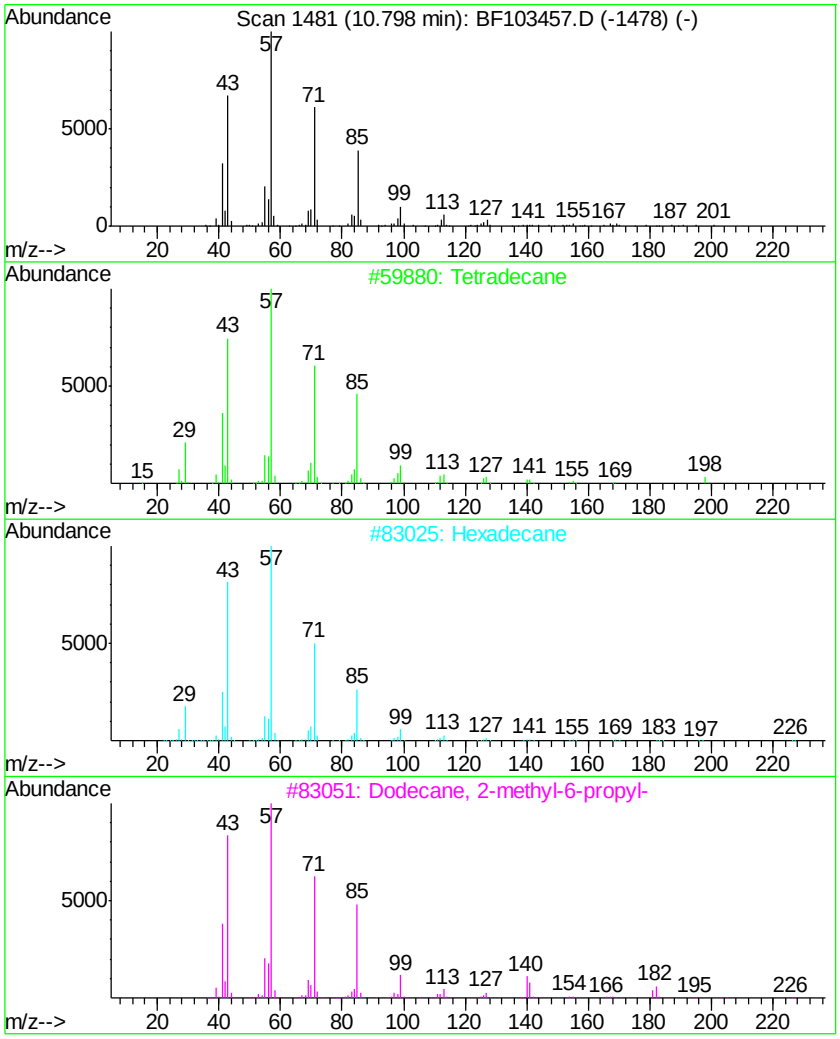
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

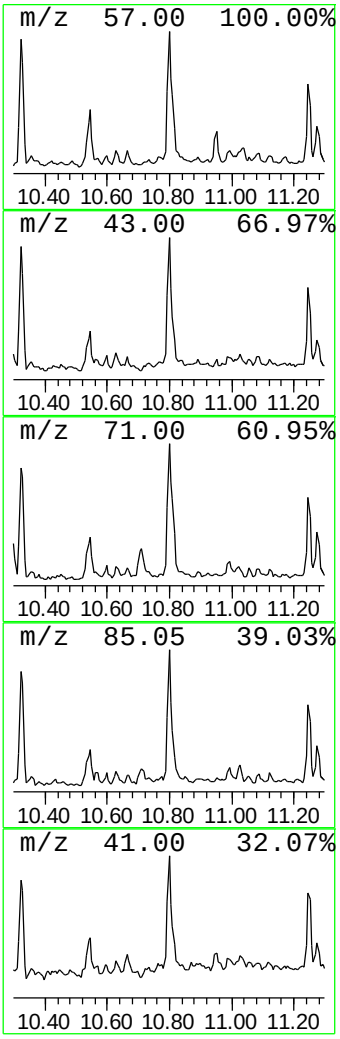
**********

Peak Number 7 Tetradecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.80 | 6.74 ng | 323322 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 86 |
| 4 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 83 |
| 5 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 72 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

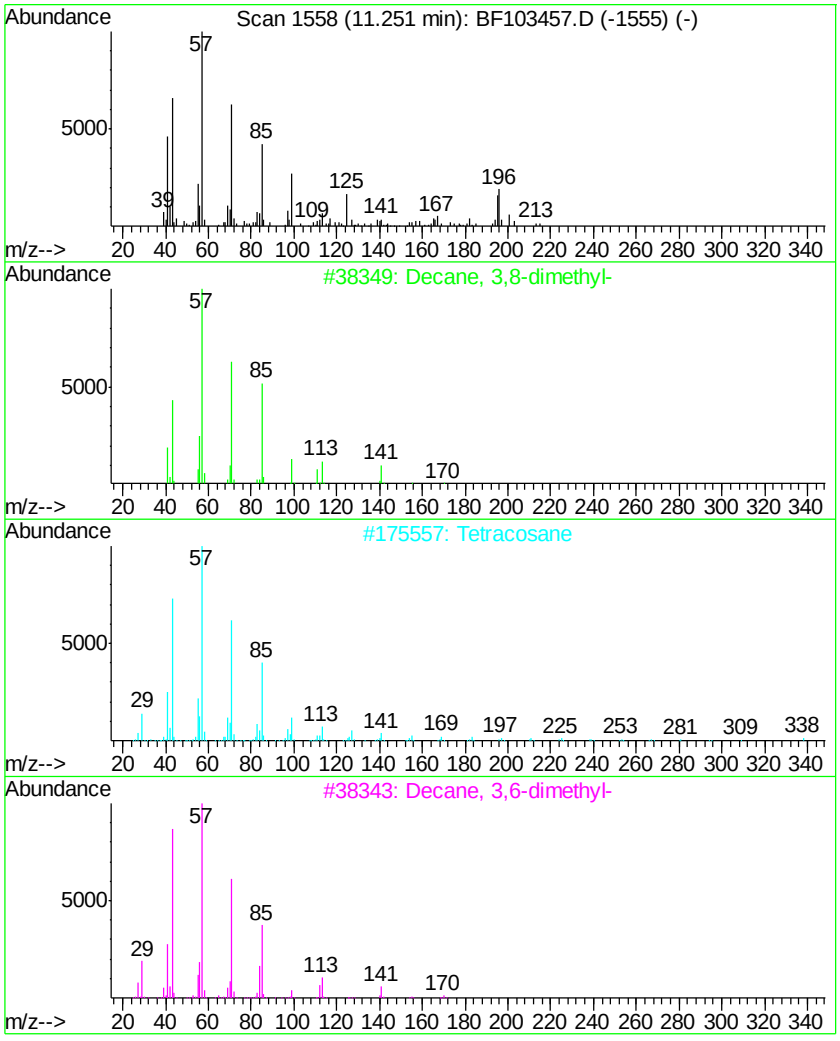
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

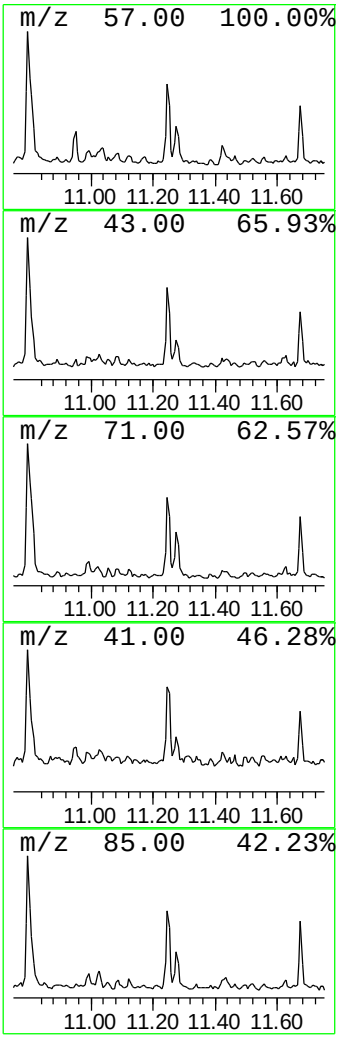
**********

Peak Number 8 Decane, 3,8-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.25 | 3.32 ng | 159102 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 72 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 72 |
| 3 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 68 |
| 4 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 64 |
| 5 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 64 |



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Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

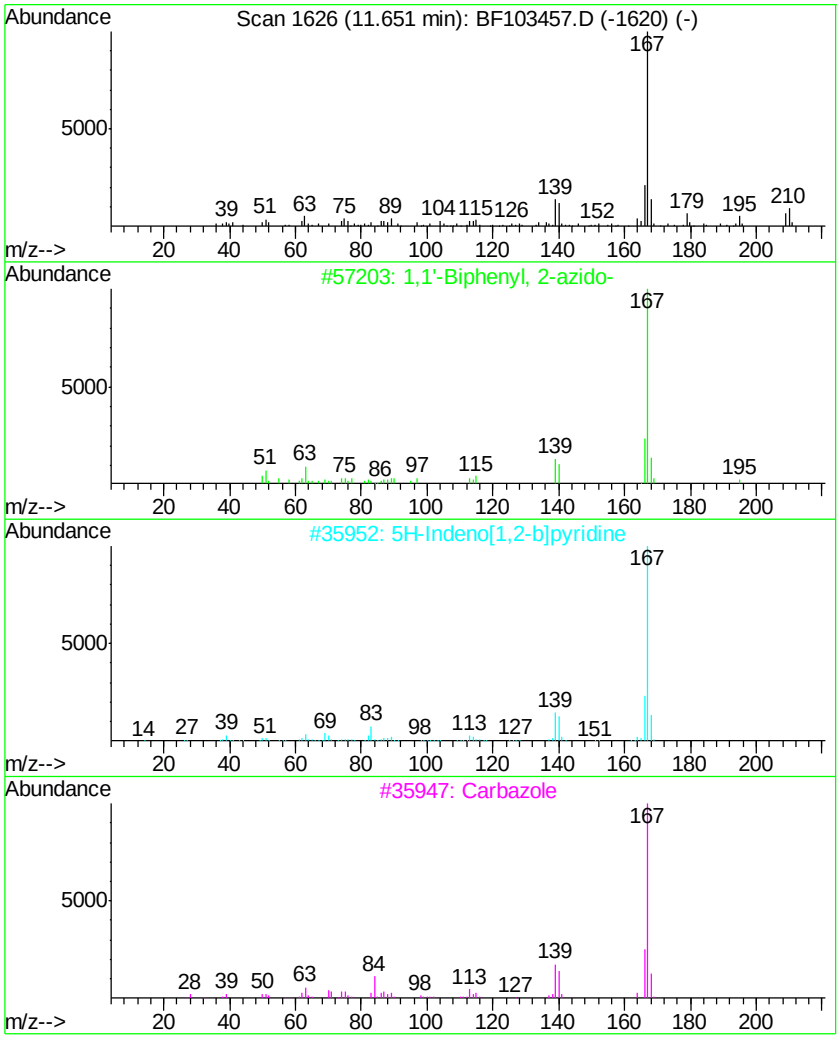
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

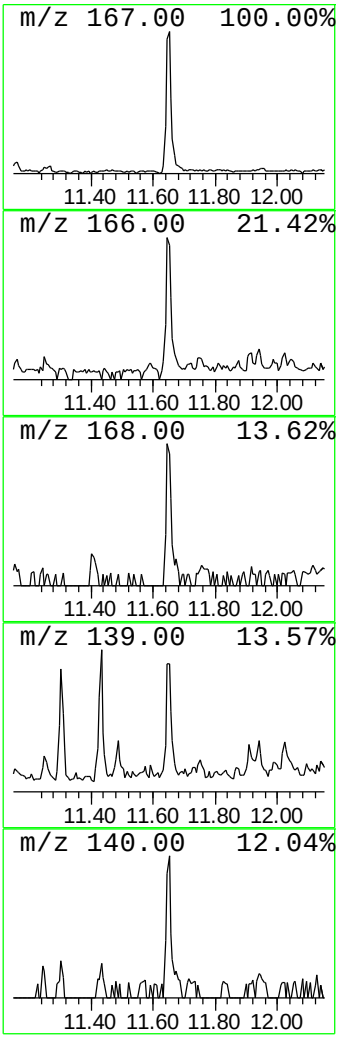
**********

Peak Number 9 1,1'-Biphenyl, 2-azido- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 2.26 ng | 108403 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2-azido- | 195 | C12H9N3 | 007599-23-7 | 81 |
| 2 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 81 |
| 3 | Carbazole | 167 | C12H9N | 000086-74-8 | 81 |
| 4 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 72 |
| 5 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 72 |



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Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

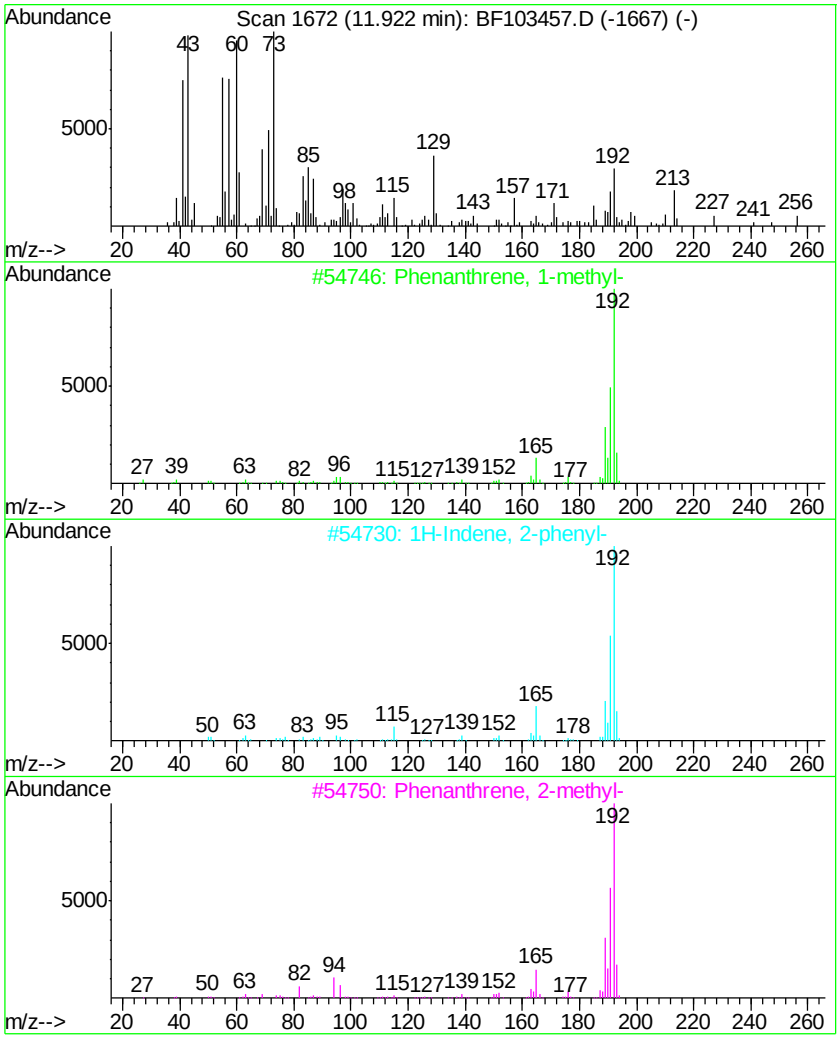
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

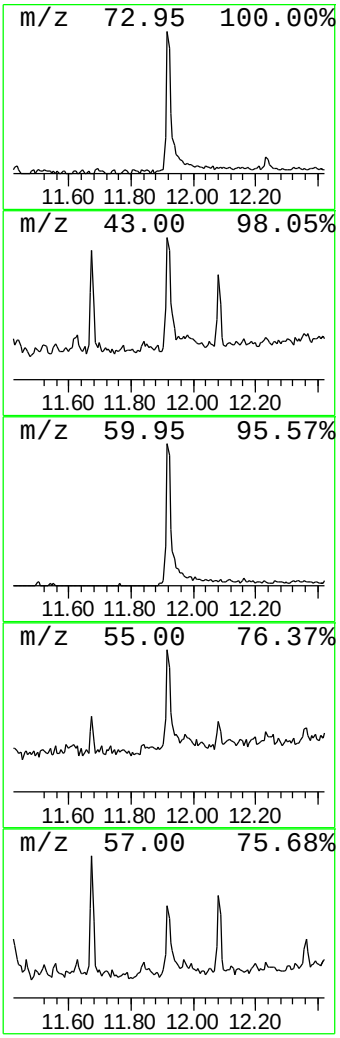
**********

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 6.04 ng | 289556 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 91 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |



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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

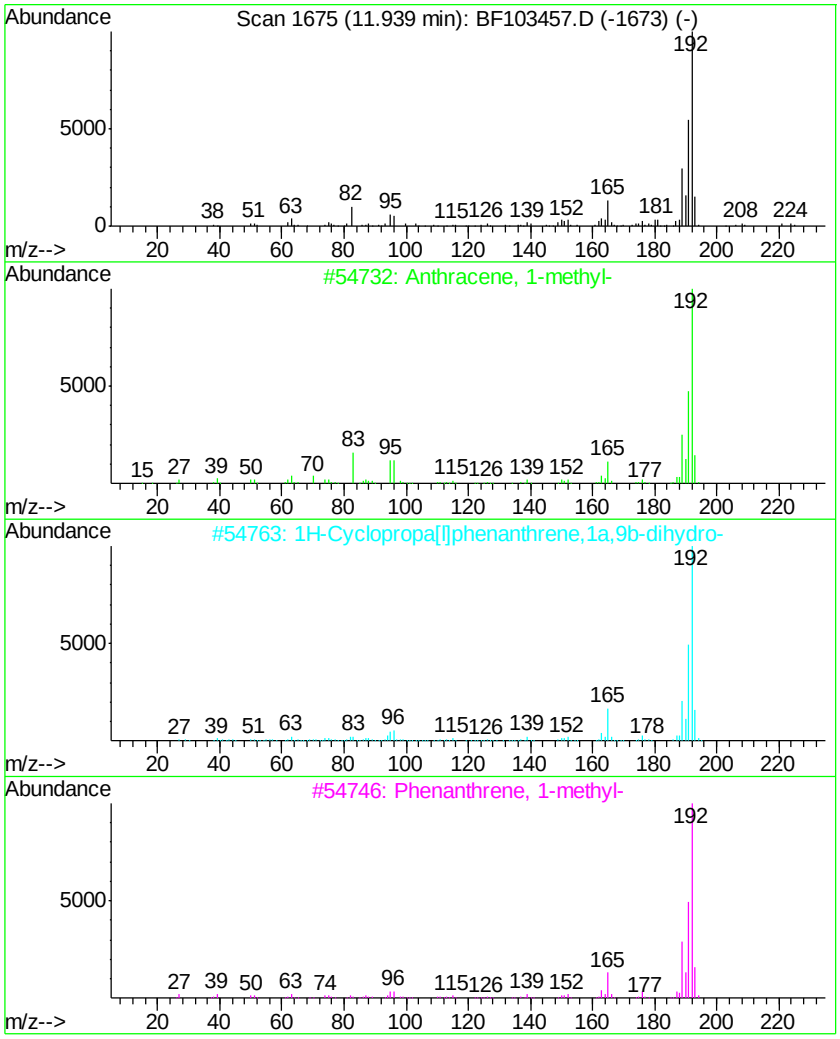
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

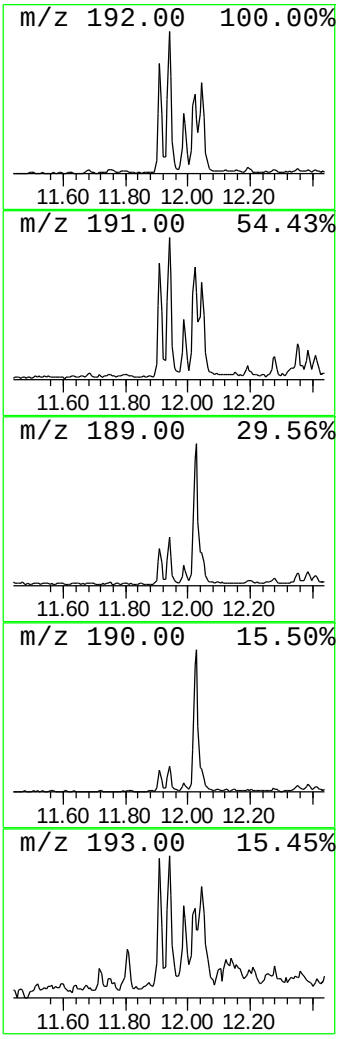
**********

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 3.41 ng | 163555 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 90 |



# Library Search Compound Report

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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

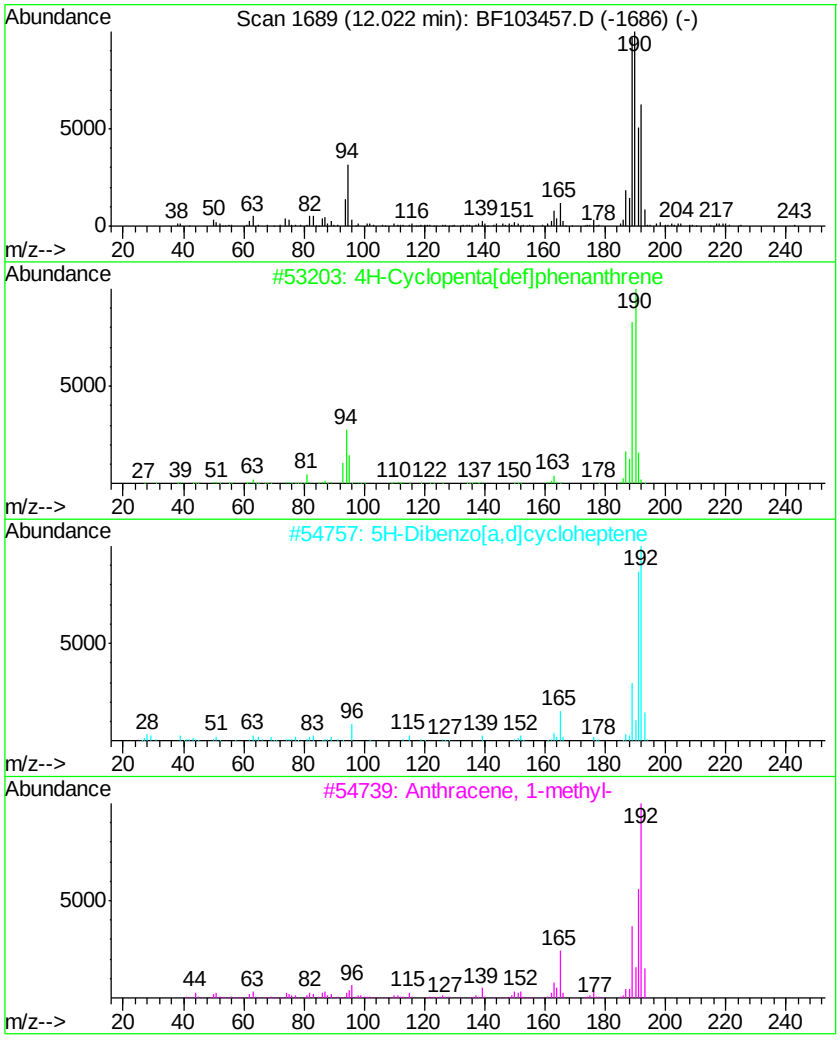
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

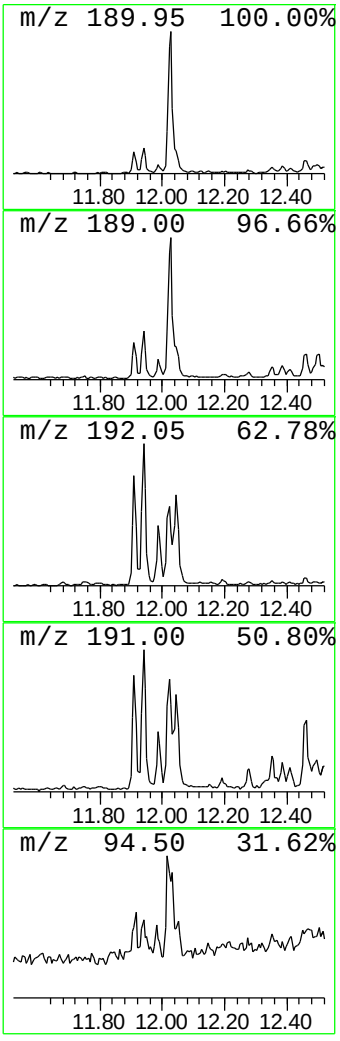
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.02 | 4.32 ng | 207350 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 2 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 35 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 25 |
| 4 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 18 |
| 5 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 14 |



# Library Search Compound Report

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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

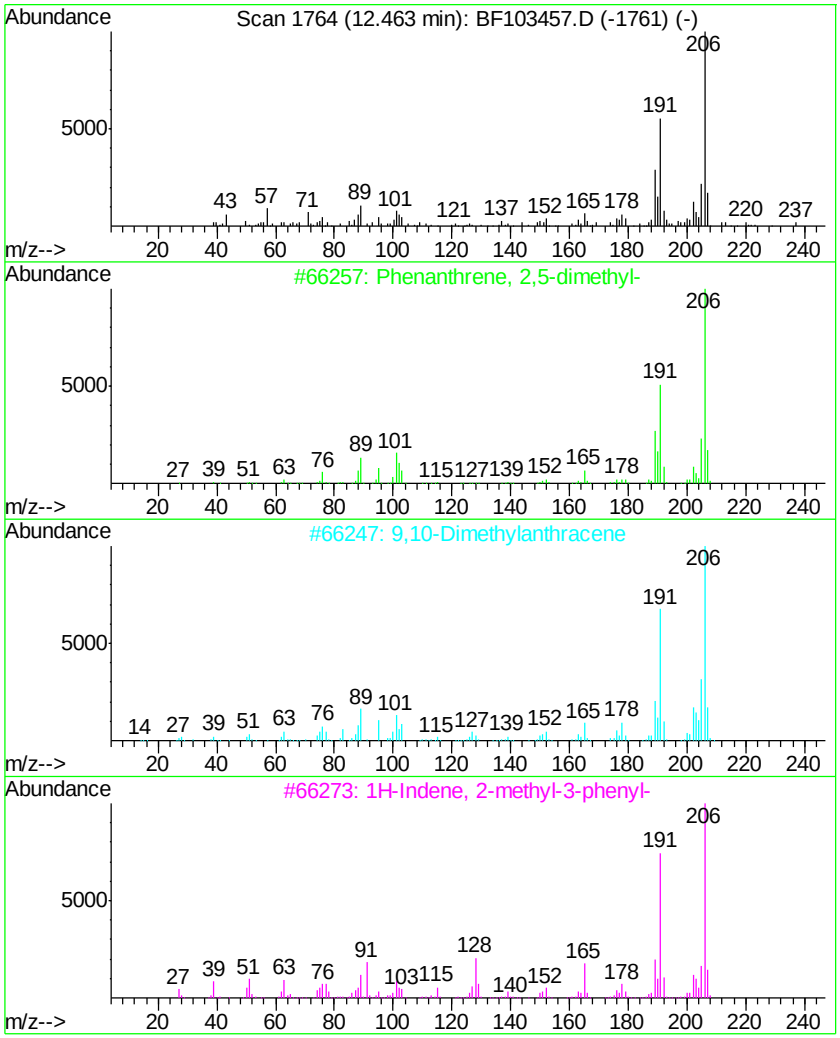
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

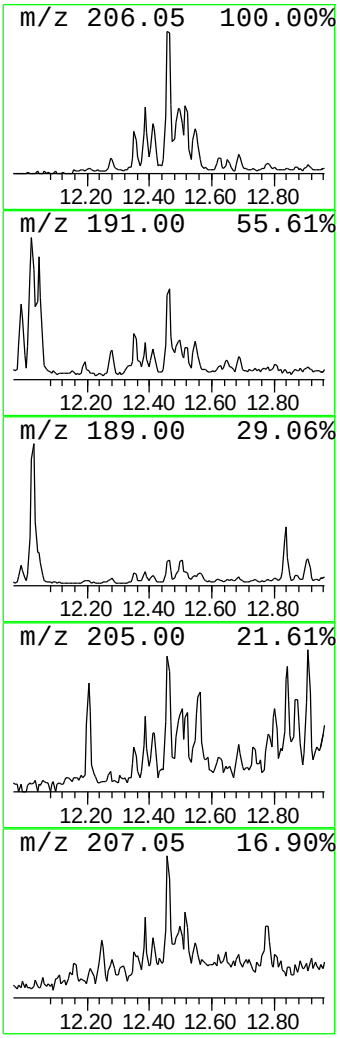
**********

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.46 | 3.18 ng | 152625 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 91 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 89 |
| 5 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 83 |



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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

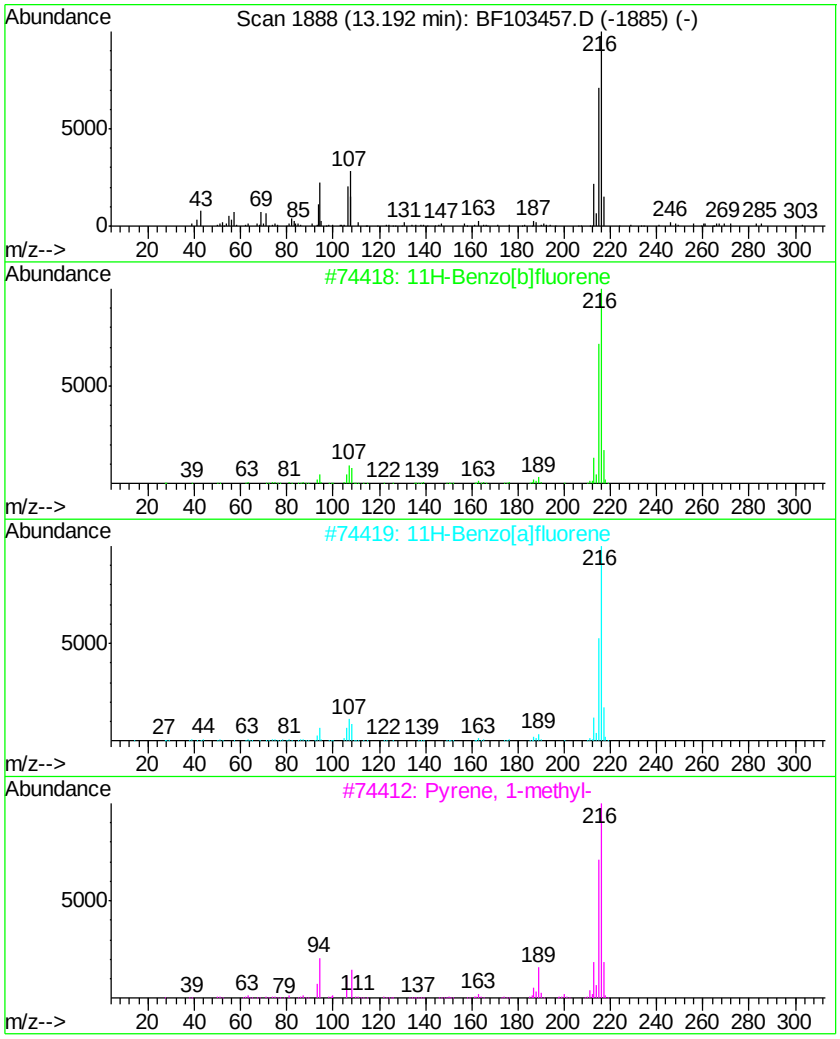
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

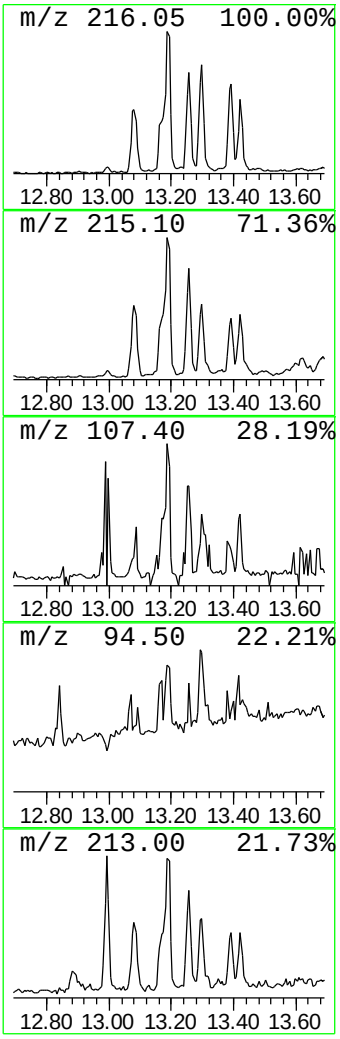
**********

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 3.26 ng | 188049 | Chrysene-d12 | 14.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 76 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 68 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 58 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 50 |
| 5 | Allopregnane-3.alpha.,20.alpha.-... | 320 | C21H36O2 | 000566-58-5 | 49 |



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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

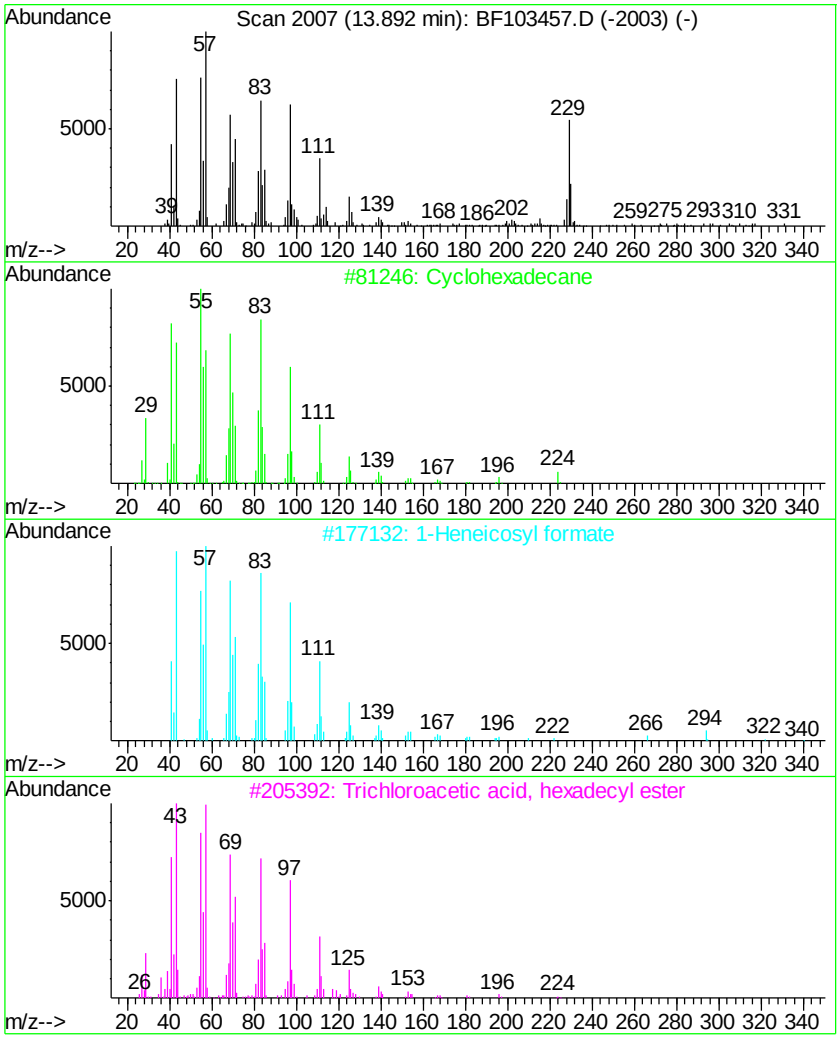
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

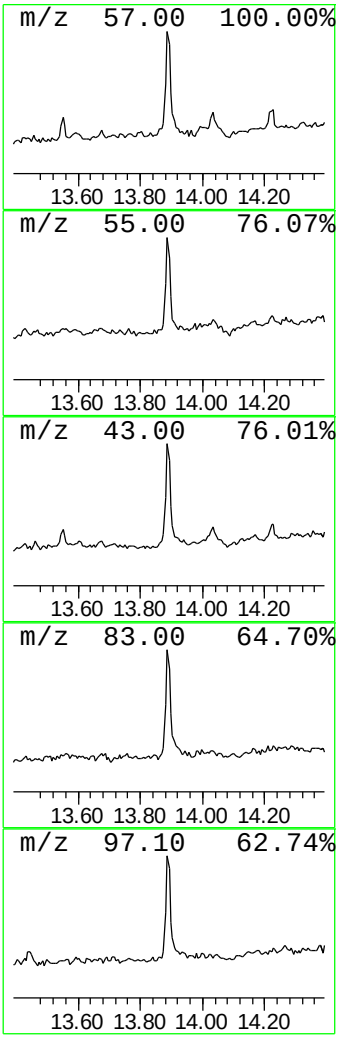
**********

Peak Number 15 Cyclohexadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 7.68 ng | 443383 | Chrysene-d12 | 14.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 94 |
| 2 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 91 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91 |
| 5 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 91 |



# Library Search Compound Report

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Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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

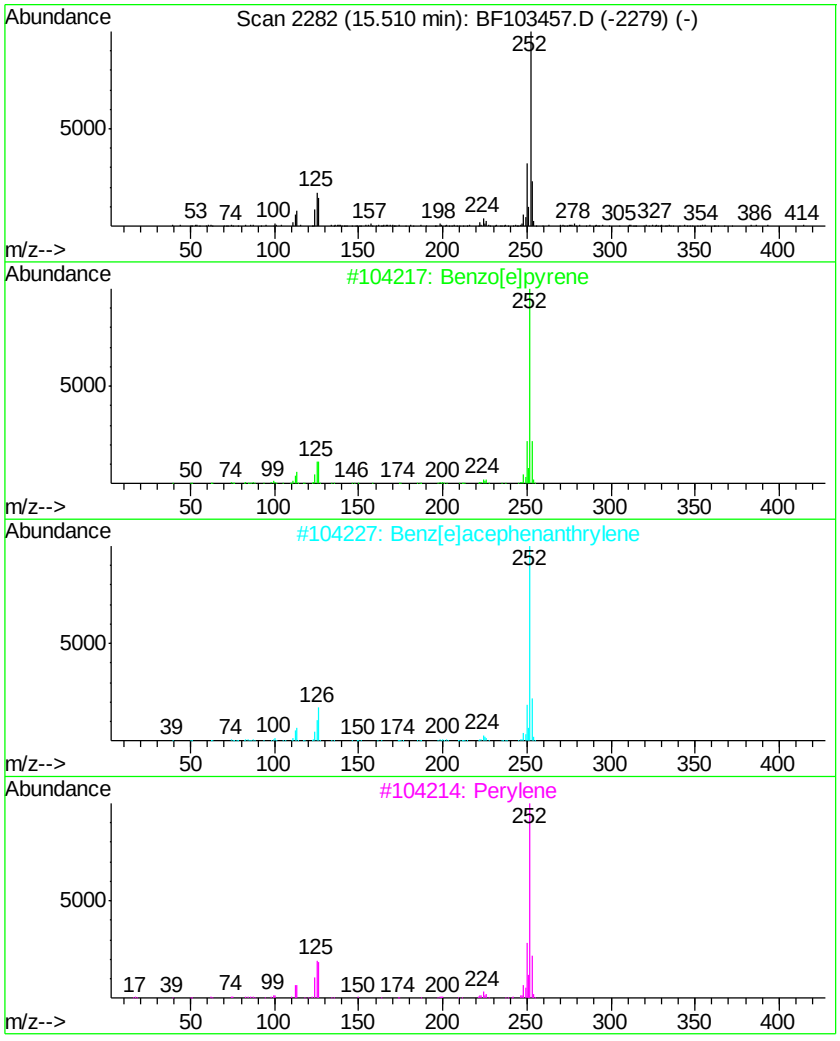
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

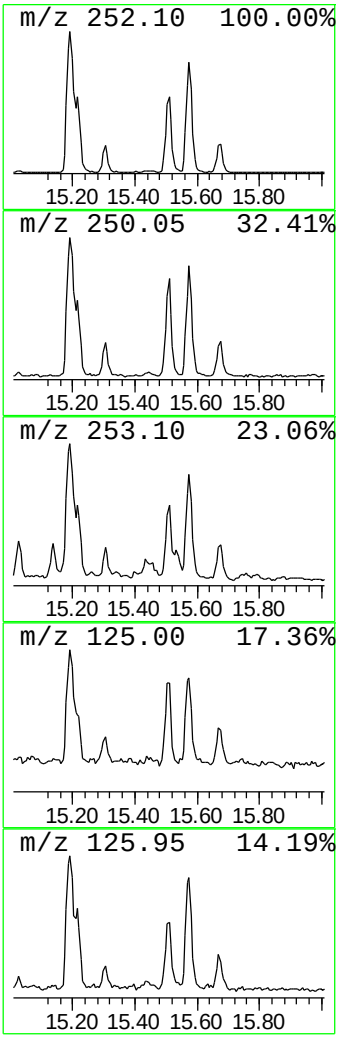
**********

Peak Number 16 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.51 | 13.29 ng | 195965 | Perylene-d12 | 15.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 96 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030618\
Data File : BF103457.D
Acq On : 6 Mar 2018 15:50
Operator : SJ/JU
Sample : J1724-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-12

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 |
| 2-Pentanone, 4-hy... | 5.10 | 2.2 | ng | 89485 | 1 | 6.87 | 811948 | 20.0 |
| unknown6.65 | 6.65 | 82.3 | ng | 3342720 | 1 | 6.87 | 811948 | 20.0 |
| Hexadecane | 9.82 | 3.0 | ng | 153546 | 3 | 9.91 | 1036160 | 20.0 |
| 5-Ethyldecane | 10.32 | 3.6 | ng | 186017 | 3 | 9.91 | 1036160 | 20.0 |
| Heptacosane | 10.55 | 2.4 | ng | 125954 | 3 | 9.91 | 1036160 | 20.0 |
| Tetradecane | 10.80 | 6.7 | ng | 323322 | 4 | 11.41 | 959380 | 20.0 |
| Decane, 3,8-dimet... | 11.25 | 3.3 | ng | 159102 | 4 | 11.41 | 959380 | 20.0 |
| 1,1'-Biphenyl, 2-... | 11.65 | 2.3 | ng | 108403 | 4 | 11.41 | 959380 | 20.0 |
| Phenanthrene, 1-m... | 11.92 | 6.0 | ng | 289556 | 4 | 11.41 | 959380 | 20.0 |
| Anthracene, 1-met... | 11.94 | 3.4 | ng | 163555 | 4 | 11.41 | 959380 | 20.0 |
| 4H-Cyclopenta[def... | 12.02 | 4.3 | ng | 207350 | 4 | 11.41 | 959380 | 20.0 |
| Phenanthrene, 2,5... | 12.46 | 3.2 | ng | 152625 | 4 | 11.41 | 959380 | 20.0 |
| 11H-Benzo[b]fluorene | 13.19 | 3.3 | ng | 188049 | 5 | 14.09 | 1153980 | 20.0 |
| Cyclohexadecane | 13.89 | 7.7 | ng | 443383 | 5 | 14.09 | 1153980 | 20.0 |
| Benzo[e]pyrene | 15.51 | 13.3 | ng | 195965 | 6 | 15.64 | 294913 | 20.0 |