LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

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-BF092317.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 | 2.234 | 20 | 25 | 33 | rVB | 180735 | 245872 | 6.69% | 0.569% |
| 2 | 5.151 | 517 | 521 | 536 | rVB | 404851 | 590765 | 16.07% | 1.367% |
| 3 | 5.545 | 580 | 588 | 591 | rBV | 3412485 | 3512422 | 95.55% | 8.127% |
| 4 | 6.545 | 752 | 758 | 765 | rBV | 2897497 | 3550809 | 96.59% | 8.216% |
| 5 | 6.687 | 777 | 782 | 786 | rBV | 3331406 | 3546963 | 96.49% | 8.207% |
| 6 | 6.916 | 817 | 821 | 827 | rBV | 1326894 | 1061944 | 28.89% | 2.457% |
| 7 | 7.075 | 842 | 848 | 851 | rBV | 3170862 | 2884744 | 78.48% | 6.675% |
| 8 | 7.481 | 911 | 917 | 920 | rBV | 2266552 | 2233000 | 60.75% | 5.167% |
| 9 | 8.198 | 1035 | 1039 | 1041 | rBV | 1647288 | 1343804 | 36.56% | 3.109% |
| 10 | 8.216 | 1041 | 1042 | 1045 | rVB | 206777 | 149012 | 4.05% | 0.345% |
| 11 | 8.910 | 1156 | 1160 | 1165 | rVB | 63127 | 51946 | 1.41% | 0.120% |
| 12 | 9.010 | 1173 | 1177 | 1181 | rBV | 46765 | 43194 | 1.18% | 0.100% |
| 13 | 9.275 | 1216 | 1222 | 1225 | rBV | 3888012 | 3675998 | 100.00% | 8.506% |
| 14 | 9.369 | 1236 | 1238 | 1243 | rVB2 | 39973 | 38497 | 1.05% | 0.089% |
| 15 | 9.610 | 1275 | 1279 | 1281 | rBV | 40560 | 43040 | 1.17% | 0.100% |
| 16 | 9.663 | 1285 | 1288 | 1295 | rVB | 586458 | 483521 | 13.15% | 1.119% |
| 17 | 9.816 | 1311 | 1314 | 1317 | rVB | 72806 | 60088 | 1.63% | 0.139% |
| 18 | 9.875 | 1319 | 1324 | 1327 | rVB2 | 40210 | 40817 | 1.11% | 0.094% |
| 19 | 9.957 | 1331 | 1338 | 1341 | rVV | 1316015 | 1305313 | 35.51% | 3.020% |
| 20 | 9.986 | 1341 | 1343 | 1346 | rVB | 177368 | 129683 | 3.53% | 0.300% |
| 21 | 10.157 | 1366 | 1372 | 1375 | rBV | 100027 | 106725 | 2.90% | 0.247% |
| 22 | 10.375 | 1402 | 1409 | 1412 | rBV2 | 90324 | 115800 | 3.15% | 0.268% |
| 23 | 10.498 | 1427 | 1430 | 1435 | rVB | 152811 | 143707 | 3.91% | 0.333% |
| 24 | 10.657 | 1451 | 1457 | 1464 | rVB3 | 39852 | 58762 | 1.60% | 0.136% |
| 25 | 10.745 | 1467 | 1472 | 1475 | rBV | 1526753 | 1448033 | 39.39% | 3.351% |
| 26 | 10.845 | 1486 | 1489 | 1498 | rBV | 140382 | 174349 | 4.74% | 0.403% |
| 27 | 11.045 | 1518 | 1523 | 1526 | rBV5 | 48690 | 77984 | 2.12% | 0.180% |
| 28 | 11.245 | 1554 | 1557 | 1560 | rBV | 48729 | 40270 | 1.10% | 0.093% |
| 29 | 11.292 | 1562 | 1565 | 1568 | rVV2 | 102604 | 99454 | 2.71% | 0.230% |
| 30 | 11.339 | 1570 | 1573 | 1577 | rVB | 81143 | 83796 | 2.28% | 0.194% |
| 31 | 11.445 | 1587 | 1591 | 1593 | rBV | 1097181 | 1108658 | 30.16% | 2.565% |
| 32 | 11.469 | 1593 | 1595 | 1598 | rVV | 1338535 | 1003656 | 27.30% | 2.322% |
| 33 | 11.516 | 1600 | 1603 | 1606 | rVV | 343756 | 276430 | 7.52% | 0.640% |
| 34 | 11.551 | 1606 | 1609 | 1614 | rVB | 65212 | 72967 | 1.98% | 0.169% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.669 | 1623 | 1629 | 1635 | rBV | 162901 | 208213 | 5.66% | 0.482% |
| 36 | 11.945 | 1672 | 1676 | 1677 | rBV | 113974 | 111475 | 3.03% | 0.258% |
| 37 | 11.969 | 1677 | 1680 | 1684 | rVB | 184973 | 182737 | 4.97% | 0.423% |
| 38 | 12.016 | 1685 | 1688 | 1691 | rBV | 67927 | 60984 | 1.66% | 0.141% |
| 39 | 12.057 | 1691 | 1695 | 1697 | rBV2 | 236441 | 239327 | 6.51% | 0.554% |
| 40 | 12.074 | 1697 | 1698 | 1702 | rVB | 85135 | 64040 | 1.74% | 0.148% |
| 41 | 12.127 | 1704 | 1707 | 1709 | rBV2 | 39221 | 39742 | 1.08% | 0.092% |
| 42 | 12.239 | 1723 | 1726 | 1728 | rBV | 107827 | 98675 | 2.68% | 0.228% |
| 43 | 12.263 | 1728 | 1730 | 1733 | rVB | 137695 | 107664 | 2.93% | 0.249% |
| 44 | 12.492 | 1767 | 1769 | 1772 | rBV | 55866 | 60826 | 1.65% | 0.141% |
| 45 | 12.580 | 1782 | 1784 | 1788 | rVB | 69751 | 65425 | 1.78% | 0.151% |
| 46 | 12.663 | 1794 | 1798 | 1801 | rBV | 1845625 | 1631134 | 44.37% | 3.774% |
| 47 | 12.886 | 1830 | 1836 | 1841 | rBV | 1512200 | 1708060 | 46.47% | 3.952% |
| 48 | 12.933 | 1842 | 1844 | 1849 | rVB2 | 63430 | 69665 | 1.90% | 0.161% |
| 49 | 13.027 | 1853 | 1860 | 1863 | rBV | 2451693 | 2333535 | 63.48% | 5.400% |
| 50 | 13.210 | 1889 | 1891 | 1895 | rVB | 196045 | 183821 | 5.00% | 0.425% |
| 51 | 13.280 | 1900 | 1903 | 1905 | rBV | 158119 | 134975 | 3.67% | 0.312% |
| 52 | 13.316 | 1907 | 1909 | 1912 | rVB2 | 108275 | 90890 | 2.47% | 0.210% |
| 53 | 13.715 | 1975 | 1977 | 1983 | rVB | 92407 | 102561 | 2.79% | 0.237% |
| 54 | 13.833 | 1994 | 1997 | 1999 | rBV3 | 110228 | 111873 | 3.04% | 0.259% |
| 55 | 13.857 | 1999 | 2001 | 2004 | rBV | 88150 | 69158 | 1.88% | 0.160% |
| 56 | 13.886 | 2004 | 2006 | 2007 | rBV | 89414 | 73671 | 2.00% | 0.170% |
| 57 | 13.904 | 2007 | 2009 | 2012 | rVV3 | 107300 | 108854 | 2.96% | 0.252% |
| 58 | 14.080 | 2035 | 2039 | 2042 | rBV2 | 1130775 | 1620723 | 44.09% | 3.750% |
| 59 | 14.110 | 2042 | 2044 | 2050 | rVB | 790418 | 694788 | 18.90% | 1.608% |
| 60 | 14.192 | 2056 | 2058 | 2061 | rVB | 130985 | 101315 | 2.76% | 0.234% |
| 61 | 15.139 | 2215 | 2219 | 2223 | rBV | 600496 | 1014223 | 27.59% | 2.347% |
| 62 | 15.457 | 2269 | 2273 | 2278 | rVB | 333898 | 444797 | 12.10% | 1.029% |
| 63 | 15.521 | 2280 | 2284 | 2289 | rVB | 488906 | 602490 | 16.39% | 1.394% |
| 64 | 15.586 | 2290 | 2295 | 2298 | rBV | 581856 | 743958 | 20.24% | 1.721% |
| 65 | 17.092 | 2548 | 2551 | 2558 | rVB3 | 186391 | 335254 | 9.12% | 0.776% |

Sum of corrected areas: 43216876

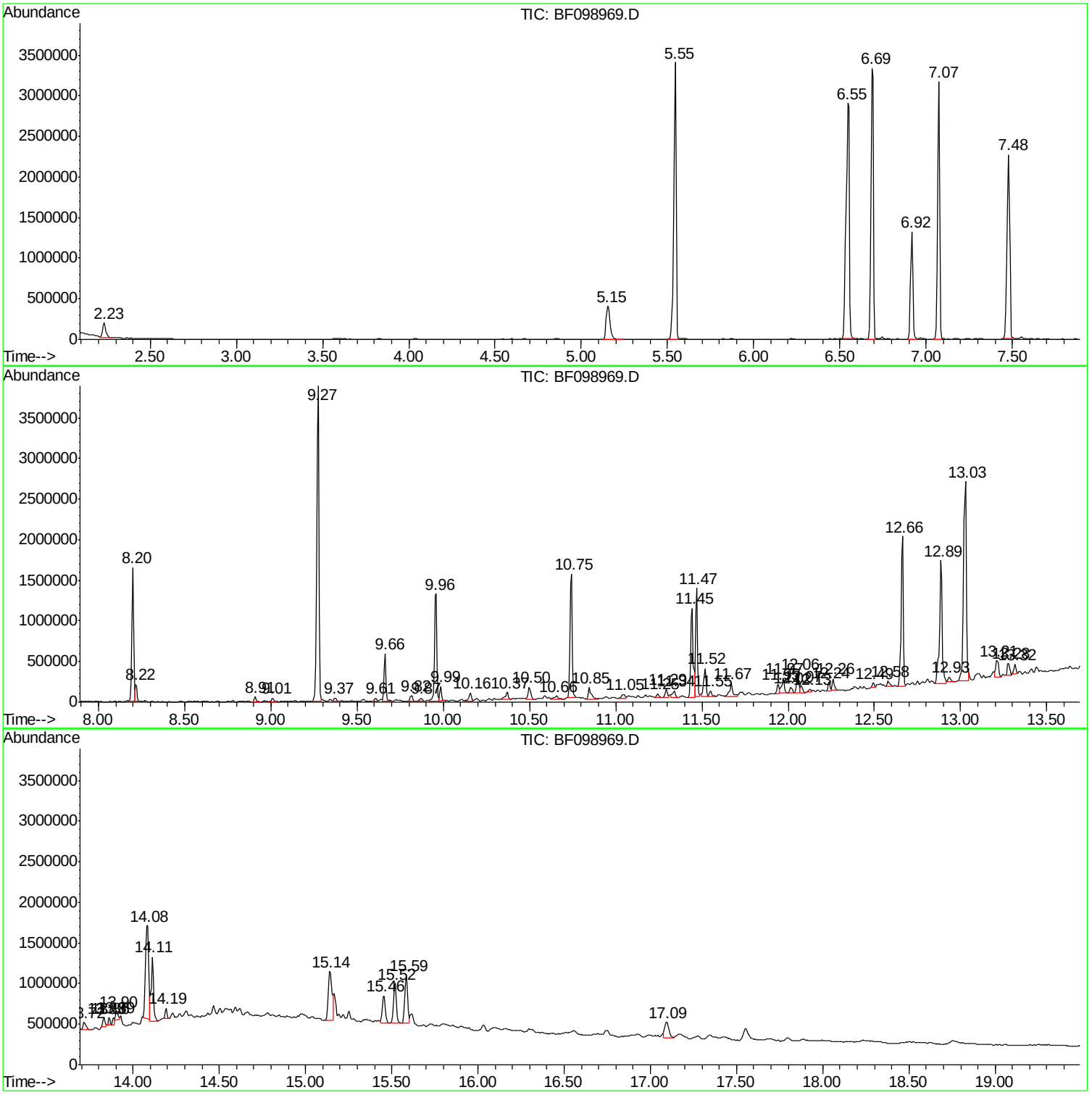
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

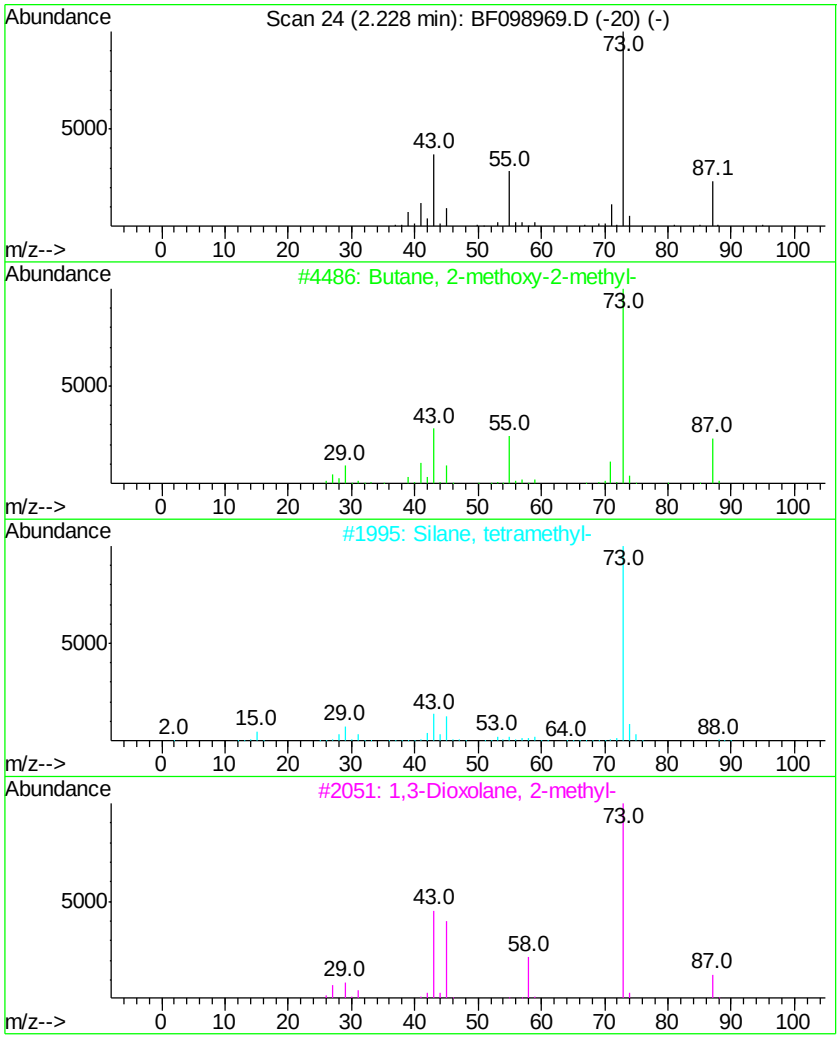
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

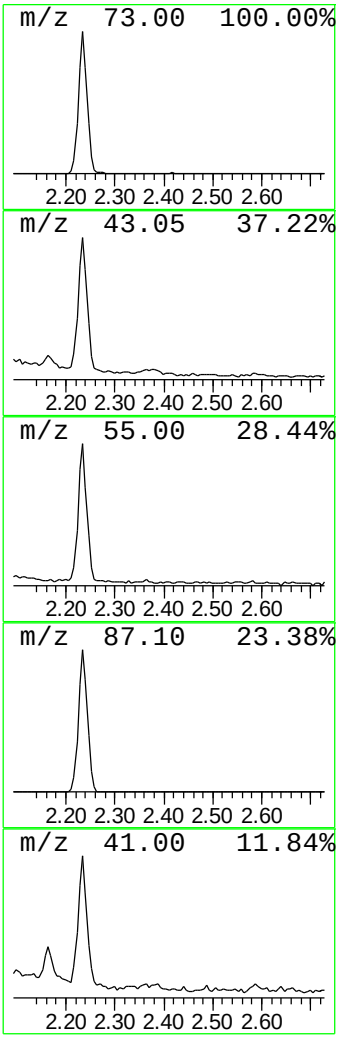
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.23 | 4.63 ng | 245872 | 1,4-Dichlorobenzene-d4 | 6.92 |

| 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 | 43 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

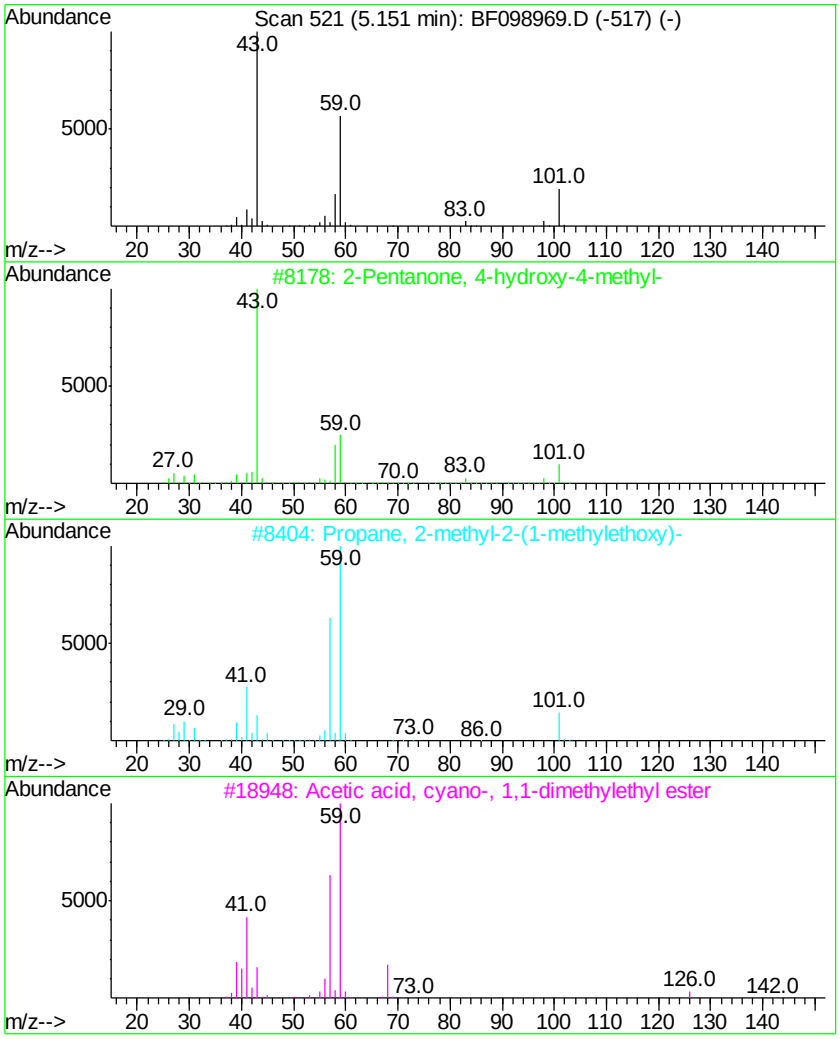
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

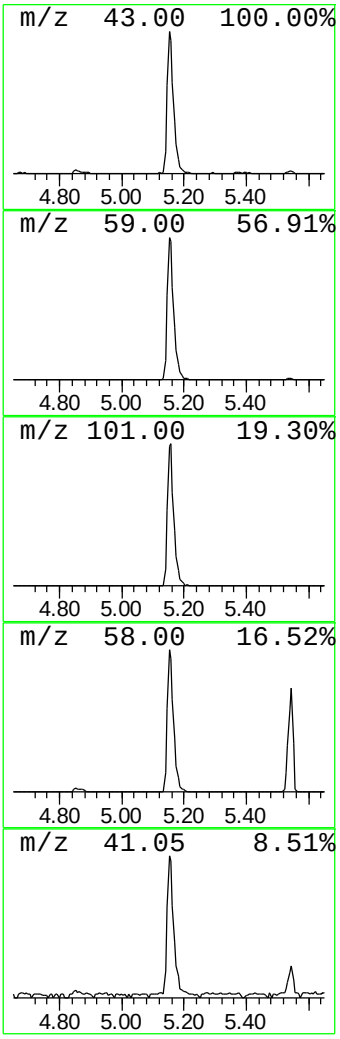
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.15 | 11.13 ng | 590765 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | 2-Butanone, 3-ethoxy-3-methyl- | 130 | C7H14O2 | 036687-99-7 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

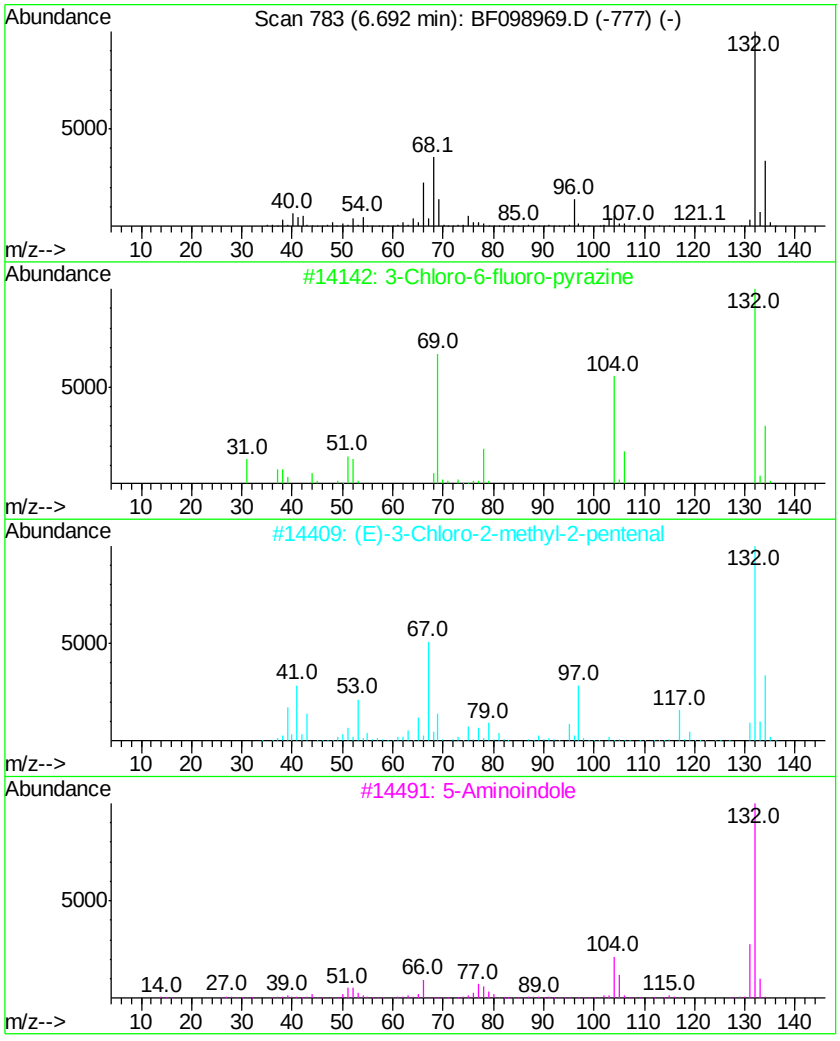
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

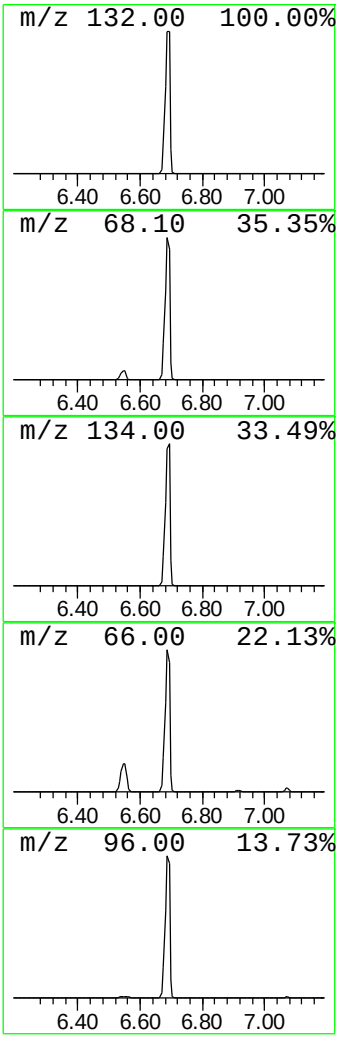
**********

Peak Number 3 unknown6.69 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.69 | 66.80 ng | 3546960 | 1,4-Dichlorobenzene-d4 | 6.92 |

| 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-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

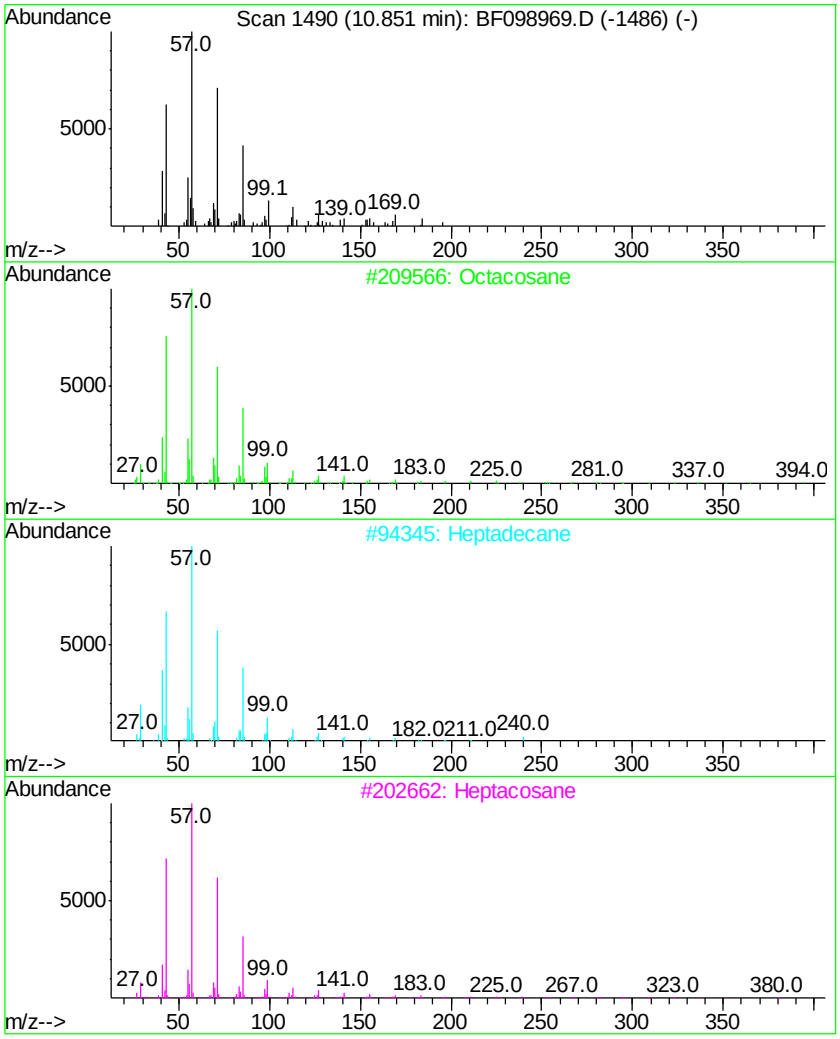
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

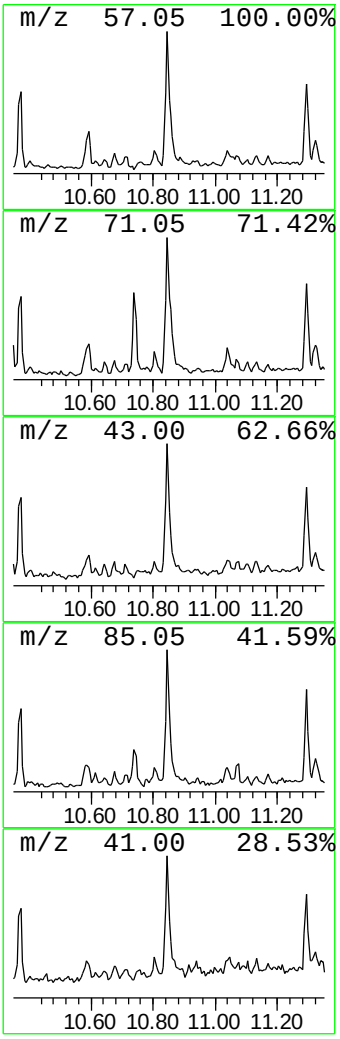
**********

Peak Number 5 Octacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.85 | 3.15 ng | 174349 | Phenanthrene-d10 | 11.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

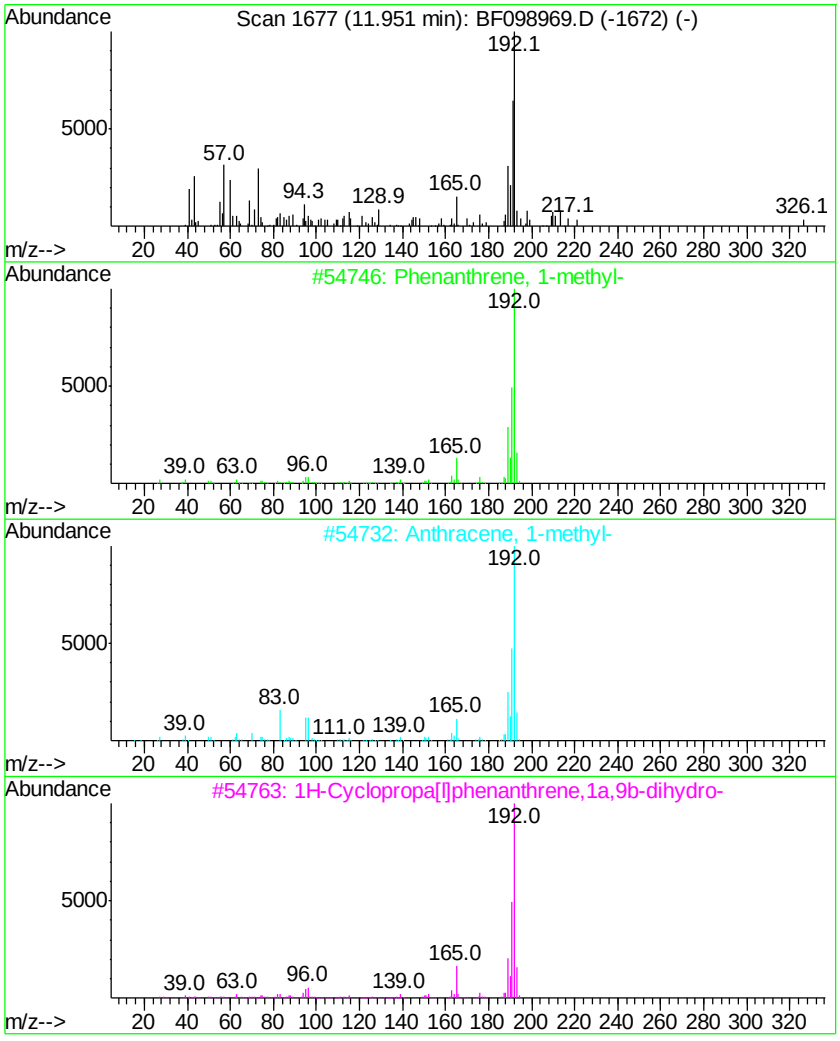
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

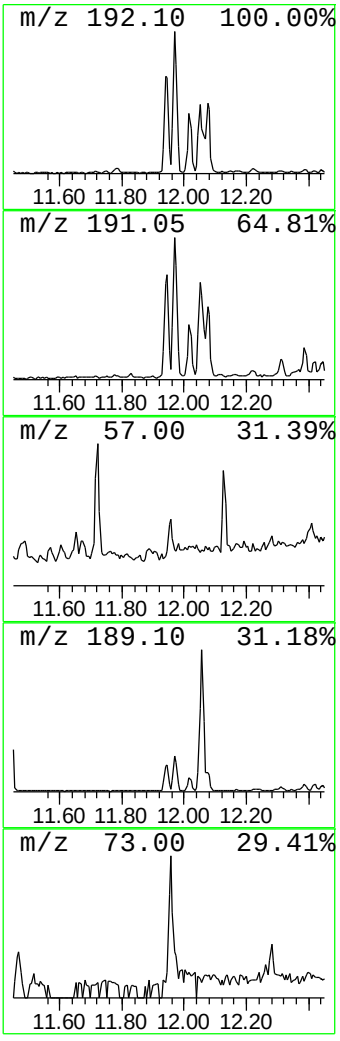
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.95 | 2.01 ng | 111475 | Phenanthrene-d10 | 11.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 87 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 87 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 83 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 83 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

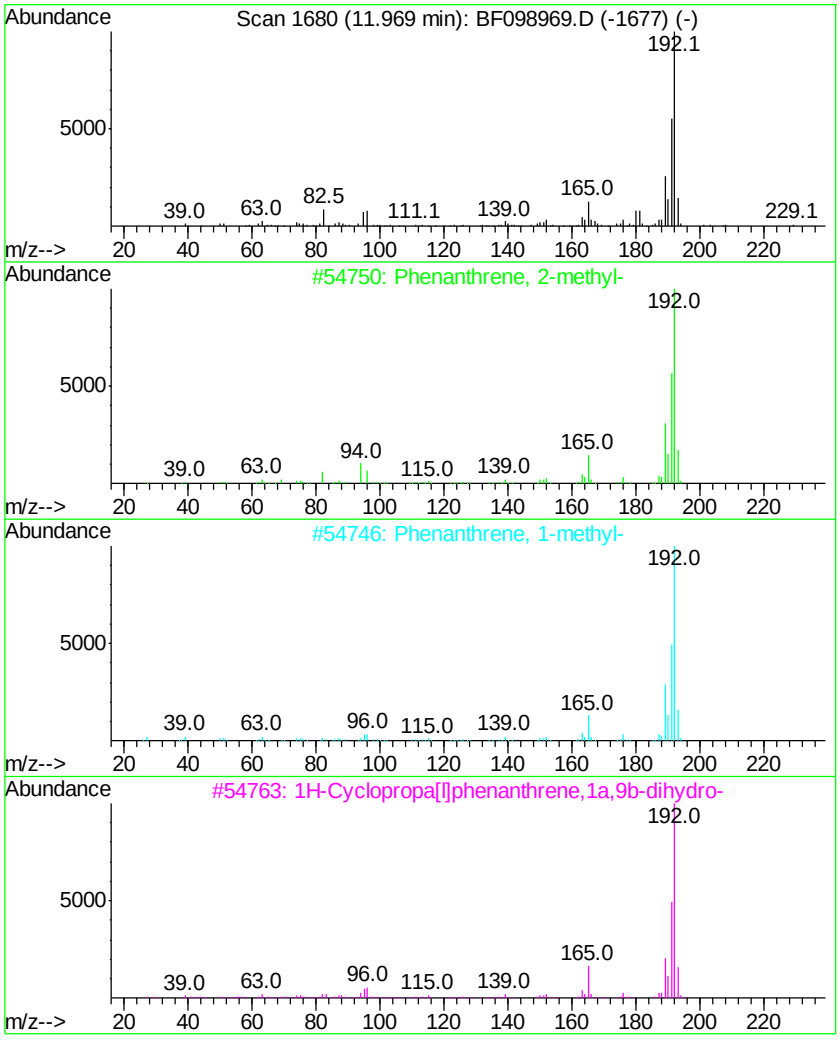
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

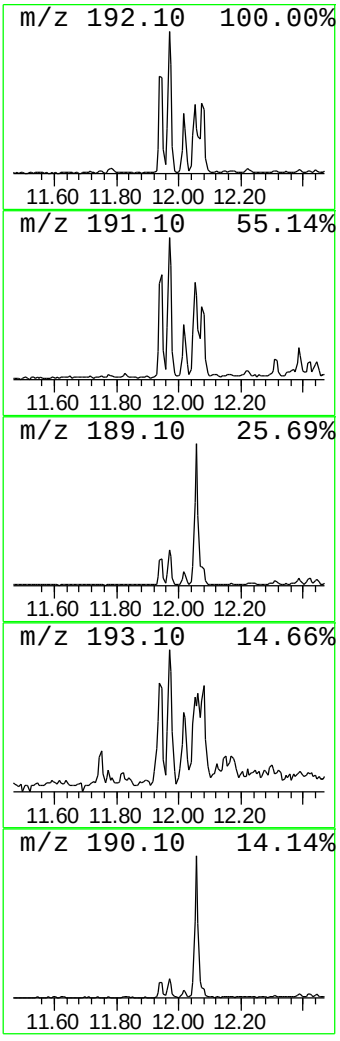
**********

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.97 | 3.30 ng | 182737 | Phenanthrene-d10 | 11.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

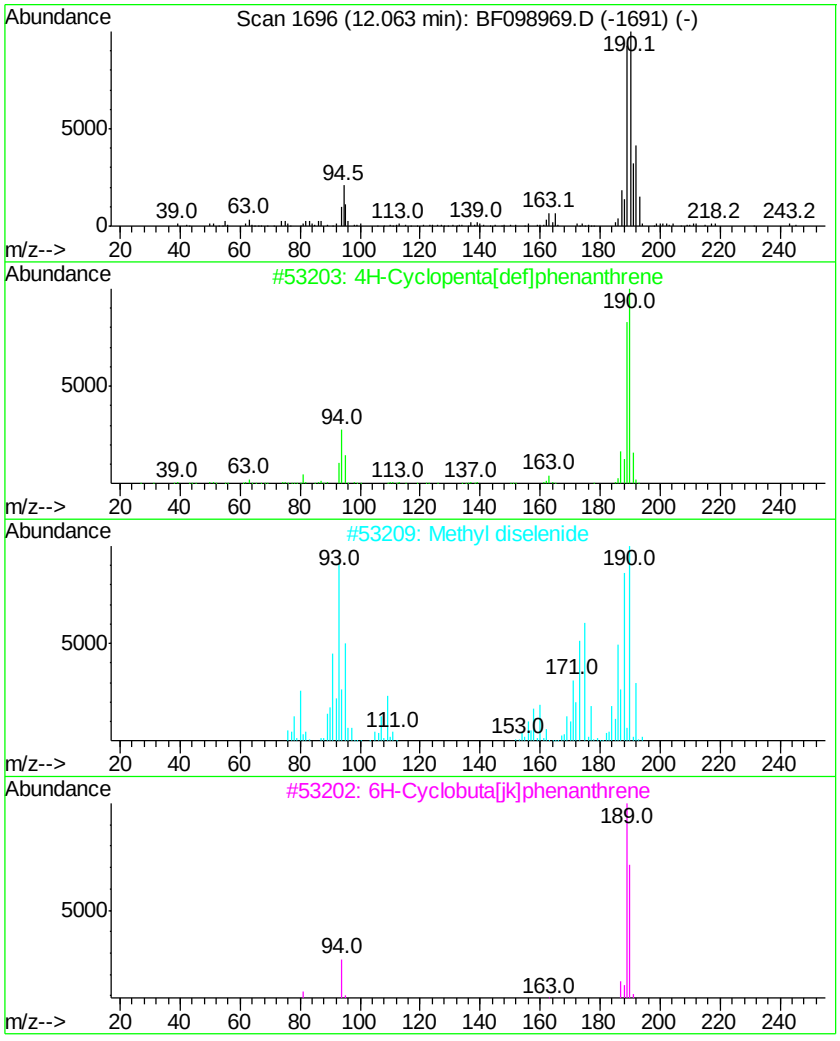
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

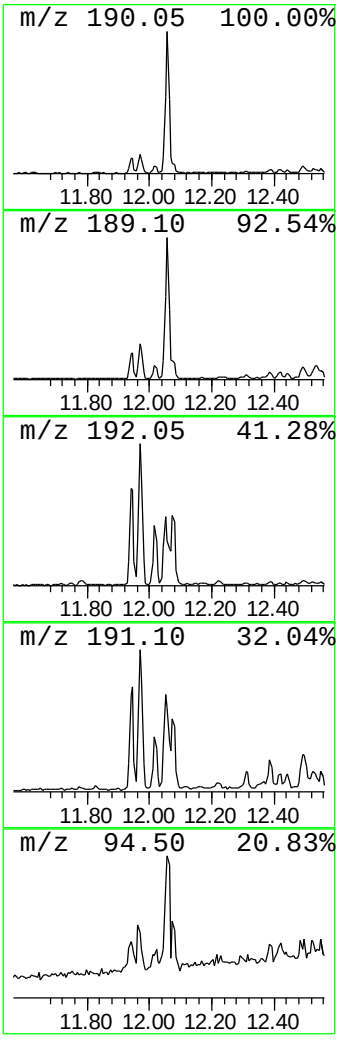
**********

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.06 | 4.32 ng | 239327 | Phenanthrene-d10 | 11.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | 2-Naphthaldehyde, 1,2,3,4-tetrah... | 190 | C12H14O2 | 002472-02-8 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

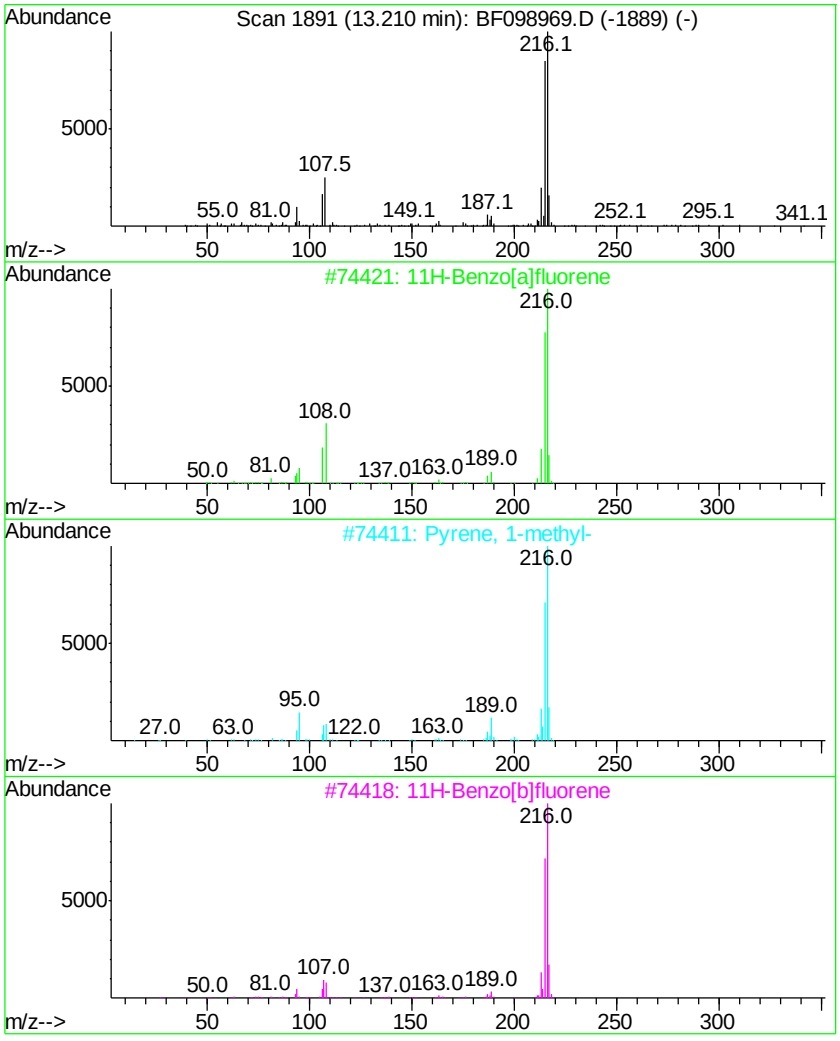
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

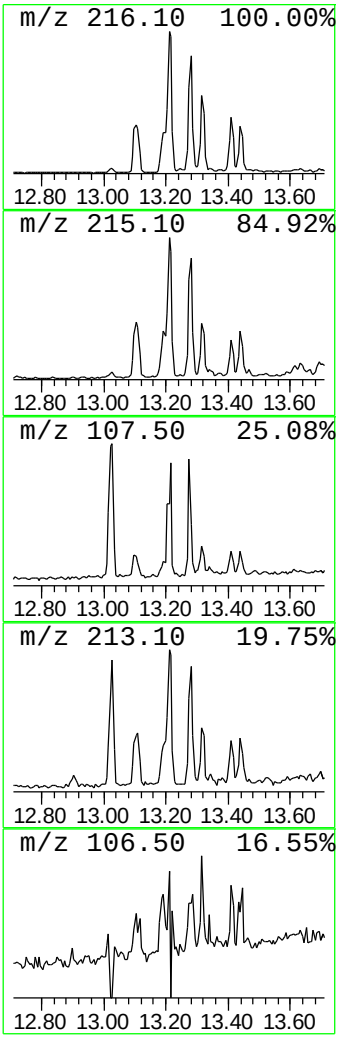
**********

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.21 | 2.27 ng | 183821 | Chrysene-d12 | 14.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

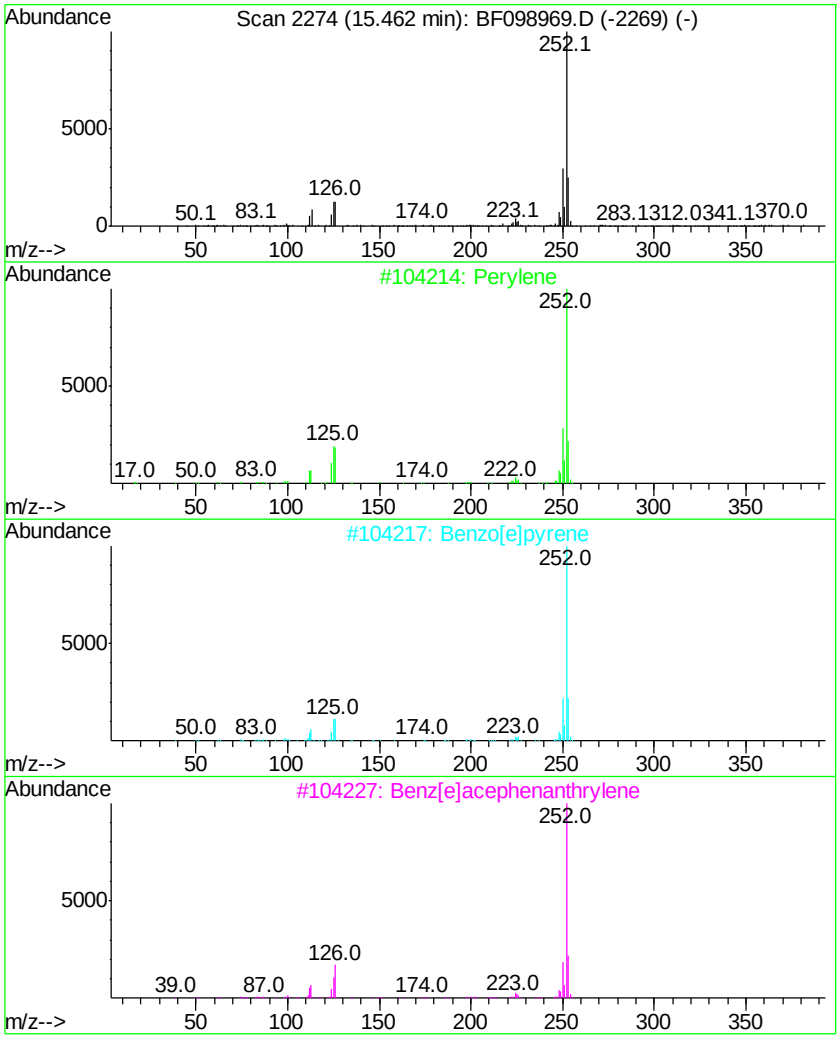
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

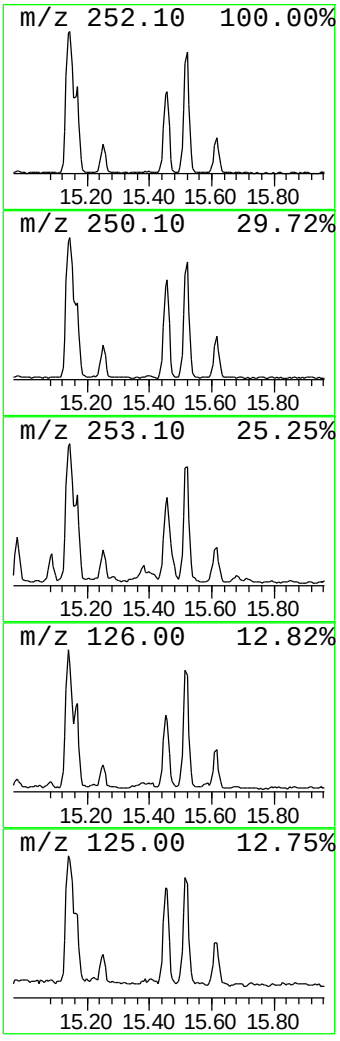
**********

Peak Number 10 Perylene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.46 | 11.96 ng | 444797 | Perylene-d12 | 15.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 98 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 97 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093017\
Data File : BF098969.D
Acq On : 30 Sep 2017 18:15
Operator : SJ/JU
Sample : I5563-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYSEG-PH4-SB-ESMI-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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... | 2.23 | 4.6 | ng | 245872 | 1 | 6.92 | 1061940 | 20.0 |
| 2-Pentanone, 4-hy... | 5.15 | 11.1 | ng | 590765 | 1 | 6.92 | 1061940 | 20.0 |
| unknown6.69 | 6.69 | 66.8 | ng | 3546960 | 1 | 6.92 | 1061940 | 20.0 |
| Octacosane | 10.85 | 3.1 | ng | 174349 | 4 | 11.45 | 1108660 | 20.0 |
| Phenanthrene, 1-m... | 11.95 | 2.0 | ng | 111475 | 4 | 11.45 | 1108660 | 20.0 |
| Phenanthrene, 2-m... | 11.97 | 3.3 | ng | 182737 | 4 | 11.45 | 1108660 | 20.0 |
| 4H-Cyclopenta[def... | 12.06 | 4.3 | ng | 239327 | 4 | 11.45 | 1108660 | 20.0 |
| 11H-Benzo[a]fluorene | 13.21 | 2.3 | ng | 183821 | 5 | 14.09 | 1620720 | 20.0 |
| Perylene | 15.46 | 12.0 | ng | 444797 | 6 | 15.59 | 743958 | 20.0 |