LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

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-BF101819.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 | 5.357 | 553 | 556 | 572 | rBV | 446145 | 631681 | 84.26% | 7.108% |
| 2 | 6.386 | 727 | 731 | 748 | rBV | 539005 | 732008 | 97.65% | 8.236% |
| 3 | 6.504 | 748 | 751 | 766 | rVB | 755769 | 749651 | 100.00% | 8.435% |
| 4 | 6.728 | 786 | 789 | 799 | rBV | 295419 | 265020 | 35.35% | 2.982% |
| 5 | 6.881 | 812 | 815 | 829 | rBV | 536332 | 511849 | 68.28% | 5.759% |
| 6 | 7.292 | 882 | 885 | 909 | rBV | 326530 | 419276 | 55.93% | 4.718% |
| 7 | 8.010 | 1003 | 1007 | 1031 | rBV | 289256 | 330364 | 44.07% | 3.717% |
| 8 | 9.080 | 1186 | 1189 | 1201 | rBV | 645727 | 601092 | 80.18% | 6.763% |
| 9 | 9.480 | 1254 | 1257 | 1265 | rBV | 70242 | 67958 | 9.07% | 0.765% |
| 10 | 9.763 | 1301 | 1305 | 1309 | rBV | 311676 | 307422 | 41.01% | 3.459% |
| 11 | 9.792 | 1309 | 1310 | 1319 | rVB | 17074 | 14670 | 1.96% | 0.165% |
| 12 | 10.316 | 1395 | 1399 | 1404 | rBB | 13551 | 14515 | 1.94% | 0.163% |
| 13 | 10.557 | 1436 | 1440 | 1452 | rBV | 261078 | 289250 | 38.58% | 3.255% |
| 14 | 11.145 | 1537 | 1540 | 1545 | rVB2 | 7067 | 7726 | 1.03% | 0.087% |
| 15 | 11.245 | 1554 | 1557 | 1560 | rBV | 260314 | 272472 | 36.35% | 3.066% |
| 16 | 11.269 | 1560 | 1561 | 1567 | rVV | 184942 | 174467 | 23.27% | 1.963% |
| 17 | 11.327 | 1567 | 1571 | 1579 | rVB | 34945 | 40901 | 5.46% | 0.460% |
| 18 | 11.498 | 1595 | 1600 | 1604 | rBV3 | 7513 | 11007 | 1.47% | 0.124% |
| 19 | 11.751 | 1640 | 1643 | 1645 | rBV | 32586 | 28345 | 3.78% | 0.319% |
| 20 | 11.780 | 1645 | 1648 | 1654 | rVV3 | 68712 | 83324 | 11.12% | 0.938% |
| 21 | 11.827 | 1654 | 1656 | 1659 | rVV | 14631 | 16008 | 2.14% | 0.180% |
| 22 | 11.863 | 1659 | 1662 | 1664 | rVV2 | 57277 | 57520 | 7.67% | 0.647% |
| 23 | 11.886 | 1664 | 1666 | 1673 | rVB | 31788 | 28605 | 3.82% | 0.322% |
| 24 | 12.045 | 1690 | 1693 | 1699 | rBV | 20112 | 19520 | 2.60% | 0.220% |
| 25 | 12.092 | 1699 | 1701 | 1704 | rBV | 10940 | 10002 | 1.33% | 0.113% |
| 26 | 12.298 | 1733 | 1736 | 1739 | rBV | 22423 | 23226 | 3.10% | 0.261% |
| 27 | 12.333 | 1739 | 1742 | 1748 | rVB4 | 13397 | 21781 | 2.91% | 0.245% |
| 28 | 12.398 | 1748 | 1753 | 1759 | rVB2 | 14503 | 19737 | 2.63% | 0.222% |
| 29 | 12.463 | 1761 | 1764 | 1768 | rBV | 315436 | 279510 | 37.29% | 3.145% |
| 30 | 12.527 | 1773 | 1775 | 1779 | rVV4 | 8987 | 12256 | 1.63% | 0.138% |
| 31 | 12.563 | 1779 | 1781 | 1786 | rVV5 | 8712 | 12178 | 1.62% | 0.137% |
| 32 | 12.615 | 1787 | 1790 | 1793 | rVV | 16537 | 17478 | 2.33% | 0.197% |
| 33 | 12.692 | 1797 | 1803 | 1810 | rVV | 295563 | 326182 | 43.51% | 3.670% |
| 34 | 12.745 | 1810 | 1812 | 1817 | rVB2 | 15247 | 17906 | 2.39% | 0.201% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.827 | 1822 | 1826 | 1831 | rBV | 498986 | 423040 | 56.43% | 4.760% |
| 36 | 12.921 | 1836 | 1842 | 1845 | rBV3 | 21136 | 35795 | 4.77% | 0.403% |
| 37 | 13.004 | 1852 | 1856 | 1857 | rBV3 | 17803 | 21888 | 2.92% | 0.246% |
| 38 | 13.021 | 1857 | 1859 | 1862 | rVB2 | 37566 | 33152 | 4.42% | 0.373% |
| 39 | 13.086 | 1867 | 1870 | 1873 | rVV | 28717 | 26406 | 3.52% | 0.297% |
| 40 | 13.127 | 1873 | 1877 | 1880 | rVV2 | 32409 | 37164 | 4.96% | 0.418% |
| 41 | 13.180 | 1884 | 1886 | 1889 | rVB3 | 8333 | 9100 | 1.21% | 0.102% |
| 42 | 13.221 | 1890 | 1893 | 1896 | rBV | 23181 | 23647 | 3.15% | 0.266% |
| 43 | 13.251 | 1896 | 1898 | 1903 | rVV | 24511 | 24021 | 3.20% | 0.270% |
| 44 | 13.398 | 1919 | 1923 | 1925 | rBV4 | 17035 | 16840 | 2.25% | 0.189% |
| 45 | 13.445 | 1929 | 1931 | 1934 | rVV3 | 9461 | 10098 | 1.35% | 0.114% |
| 46 | 13.510 | 1938 | 1942 | 1944 | rBV5 | 12416 | 15498 | 2.07% | 0.174% |
| 47 | 13.545 | 1944 | 1948 | 1950 | rVV | 19115 | 17364 | 2.32% | 0.195% |
| 48 | 13.645 | 1961 | 1965 | 1967 | rBV2 | 24614 | 30660 | 4.09% | 0.345% |
| 49 | 13.668 | 1967 | 1969 | 1971 | rVB | 20085 | 15477 | 2.06% | 0.174% |
| 50 | 13.698 | 1971 | 1974 | 1976 | rBV | 16720 | 14457 | 1.93% | 0.163% |
| 51 | 13.727 | 1976 | 1979 | 1982 | rBV5 | 39800 | 56002 | 7.47% | 0.630% |
| 52 | 13.892 | 2002 | 2007 | 2010 | rVV2 | 352494 | 466360 | 62.21% | 5.247% |
| 53 | 13.921 | 2010 | 2012 | 2019 | rVB | 152645 | 141384 | 18.86% | 1.591% |
| 54 | 13.998 | 2023 | 2025 | 2028 | rVB | 19711 | 18781 | 2.51% | 0.211% |
| 55 | 14.039 | 2029 | 2032 | 2034 | rBV | 24461 | 24099 | 3.21% | 0.271% |
| 56 | 14.162 | 2051 | 2053 | 2057 | rVB5 | 7528 | 10514 | 1.40% | 0.118% |
| 57 | 14.286 | 2071 | 2074 | 2076 | rVB | 29710 | 28281 | 3.77% | 0.318% |
| 58 | 14.345 | 2081 | 2084 | 2088 | rBV2 | 36914 | 43006 | 5.74% | 0.484% |
| 59 | 14.404 | 2092 | 2094 | 2097 | rVB4 | 22378 | 23404 | 3.12% | 0.263% |
| 60 | 14.639 | 2132 | 2134 | 2138 | rVB | 48498 | 39419 | 5.26% | 0.444% |
| 61 | 14.709 | 2144 | 2146 | 2148 | rVB3 | 14666 | 12333 | 1.65% | 0.139% |
| 62 | 14.921 | 2179 | 2182 | 2185 | rBV | 108453 | 149643 | 19.96% | 1.684% |
| 63 | 14.951 | 2185 | 2187 | 2192 | rVB2 | 78737 | 99681 | 13.30% | 1.122% |
| 64 | 15.027 | 2197 | 2200 | 2203 | rVB | 27212 | 29604 | 3.95% | 0.333% |
| 65 | 15.209 | 2228 | 2231 | 2235 | rBV | 58652 | 63709 | 8.50% | 0.717% |
| 66 | 15.274 | 2238 | 2242 | 2245 | rBV | 75633 | 85607 | 11.42% | 0.963% |
| 67 | 15.327 | 2245 | 2251 | 2255 | rVV | 165466 | 232312 | 30.99% | 2.614% |
| 68 | 15.715 | 2314 | 2317 | 2321 | rVB2 | 34845 | 42726 | 5.70% | 0.481% |
| 69 | 16.180 | 2393 | 2396 | 2401 | rVB4 | 18307 | 28020 | 3.74% | 0.315% |
| 70 | 16.345 | 2422 | 2424 | 2430 | rVB8 | 9534 | 17046 | 2.27% | 0.192% |
| 71 | 16.745 | 2488 | 2492 | 2500 | rVB3 | 29523 | 62921 | 8.39% | 0.708% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
172-80-(0-2)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.180 | 2561 | 2566 | 2574 | rVB3 | 19298 | 43122 | 5.75% | 0.485% |

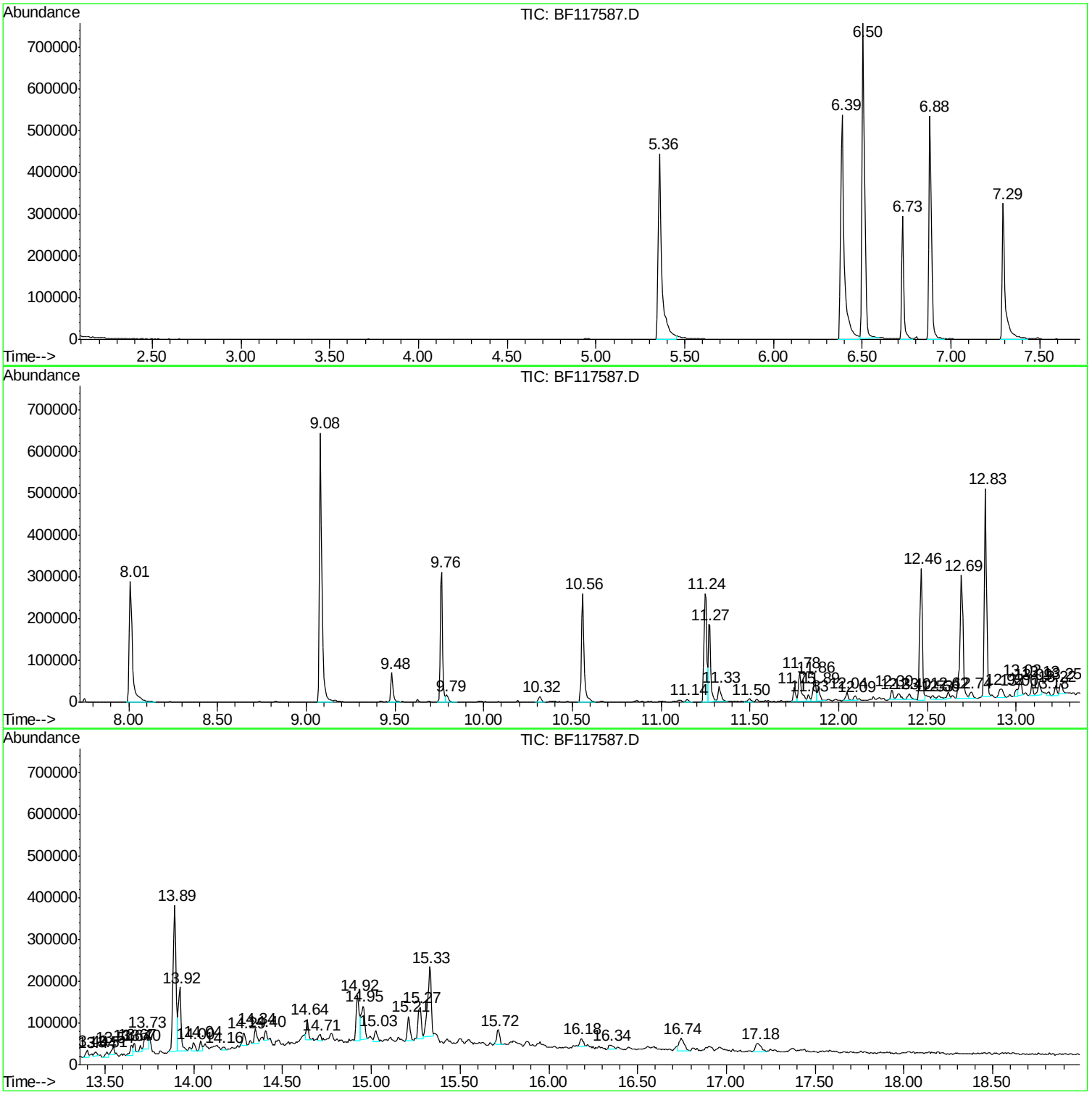
Sum of corrected areas: 8887488

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

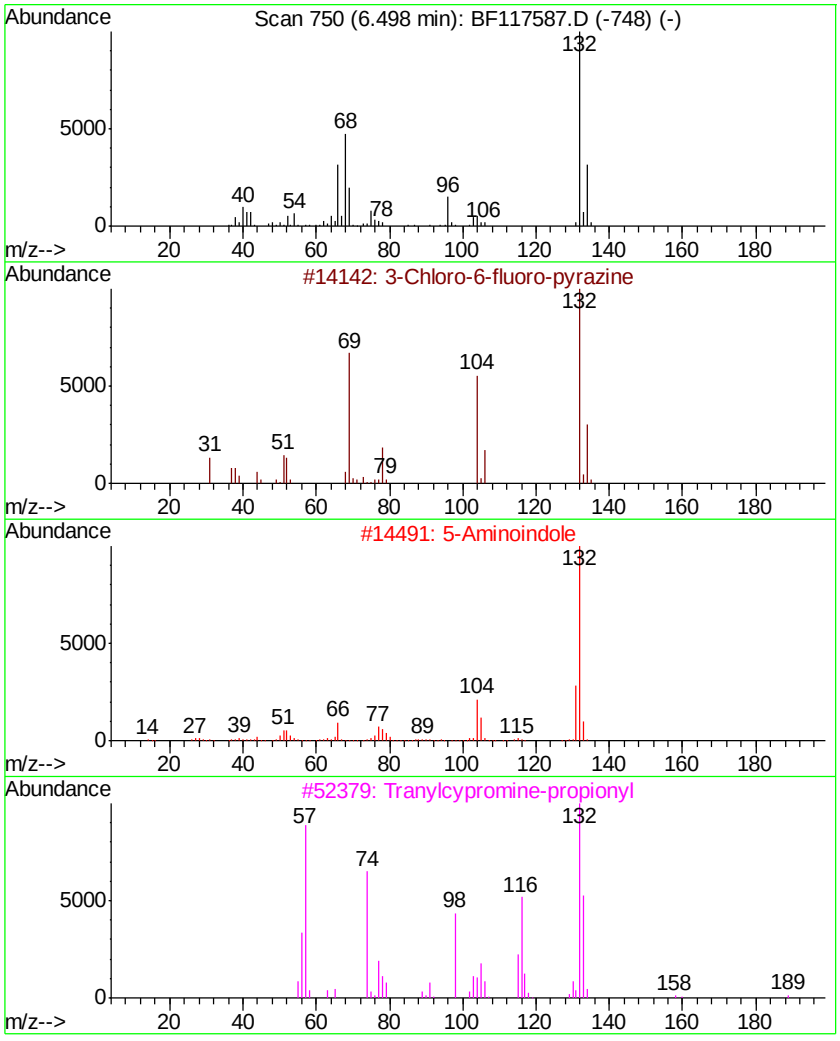
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

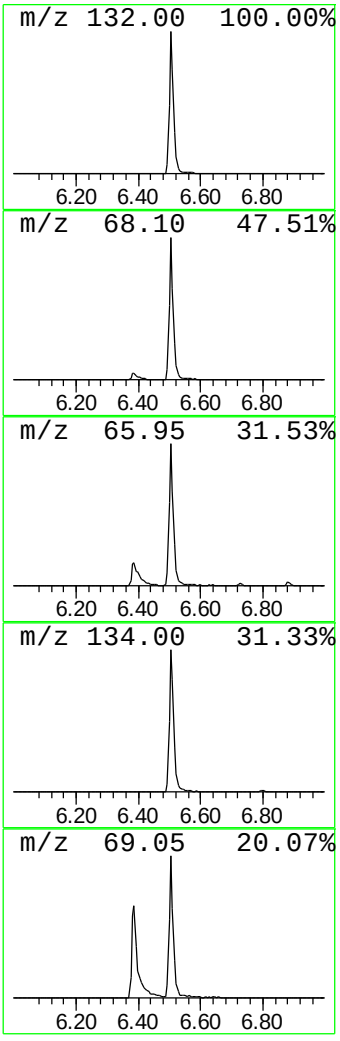
**********

Peak Number 1 unknown6.50 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.50 | 56.57 ng | 749651 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 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 | Xenon | 132 | Xe | 007440-63-3 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

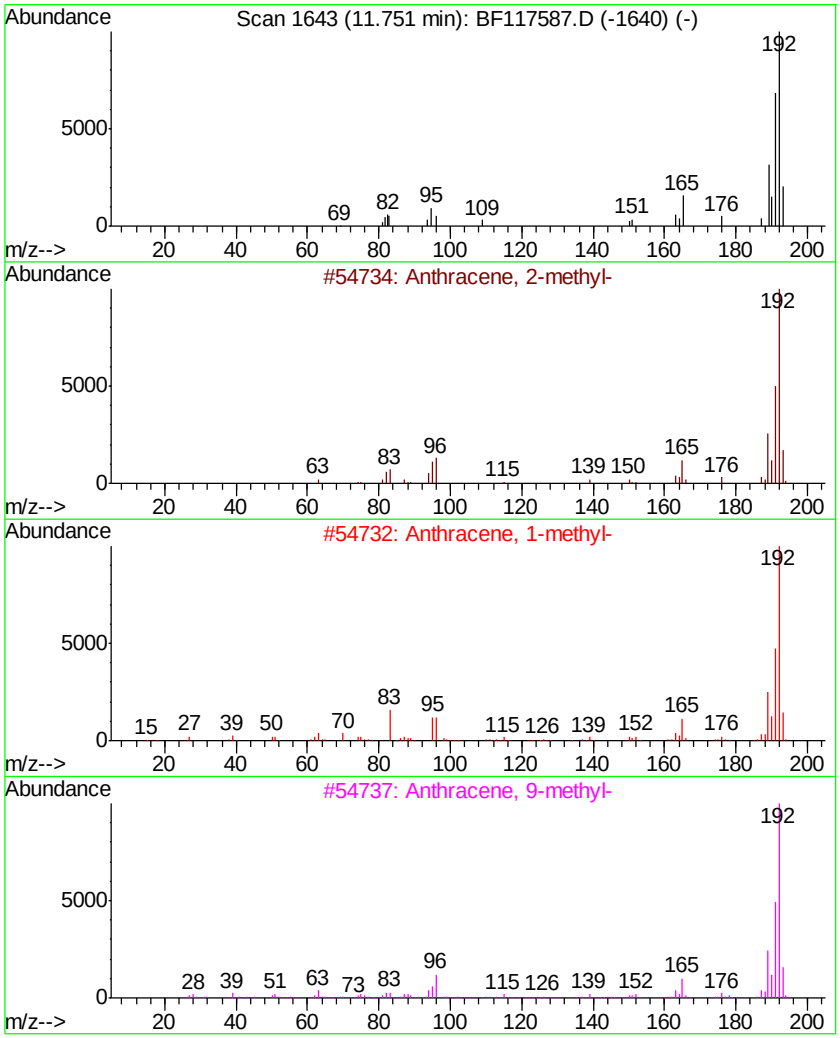
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

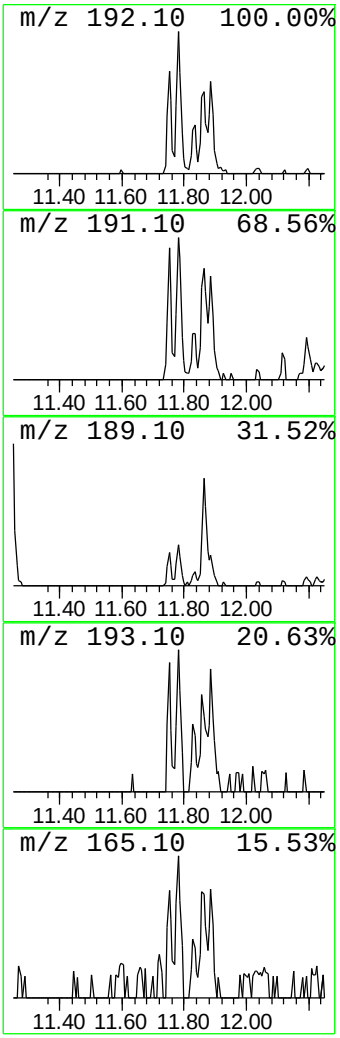
**********

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 2.08 ng | 28345 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 90 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

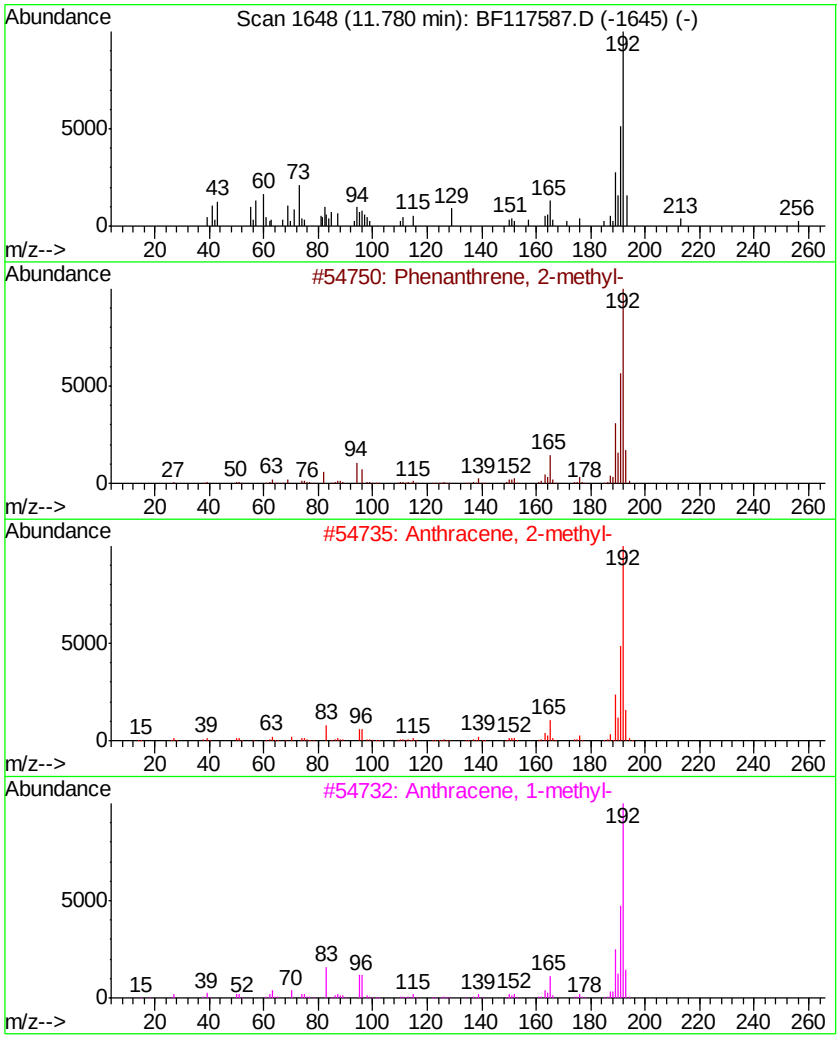
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

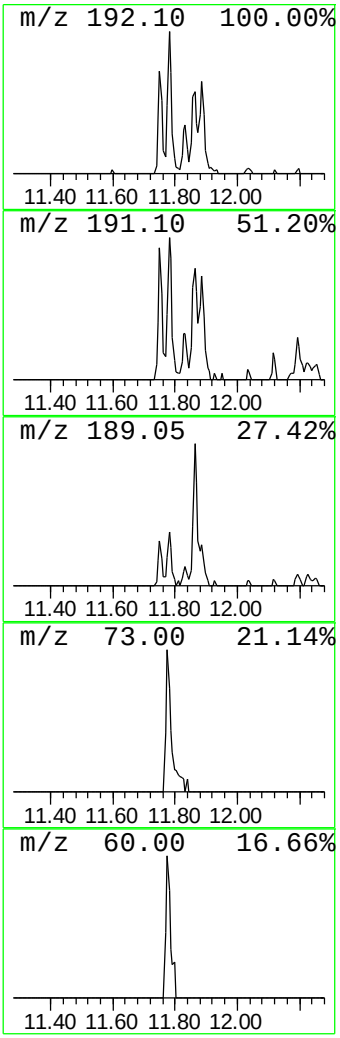
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 6.12 ng | 83324 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 92 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 92 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

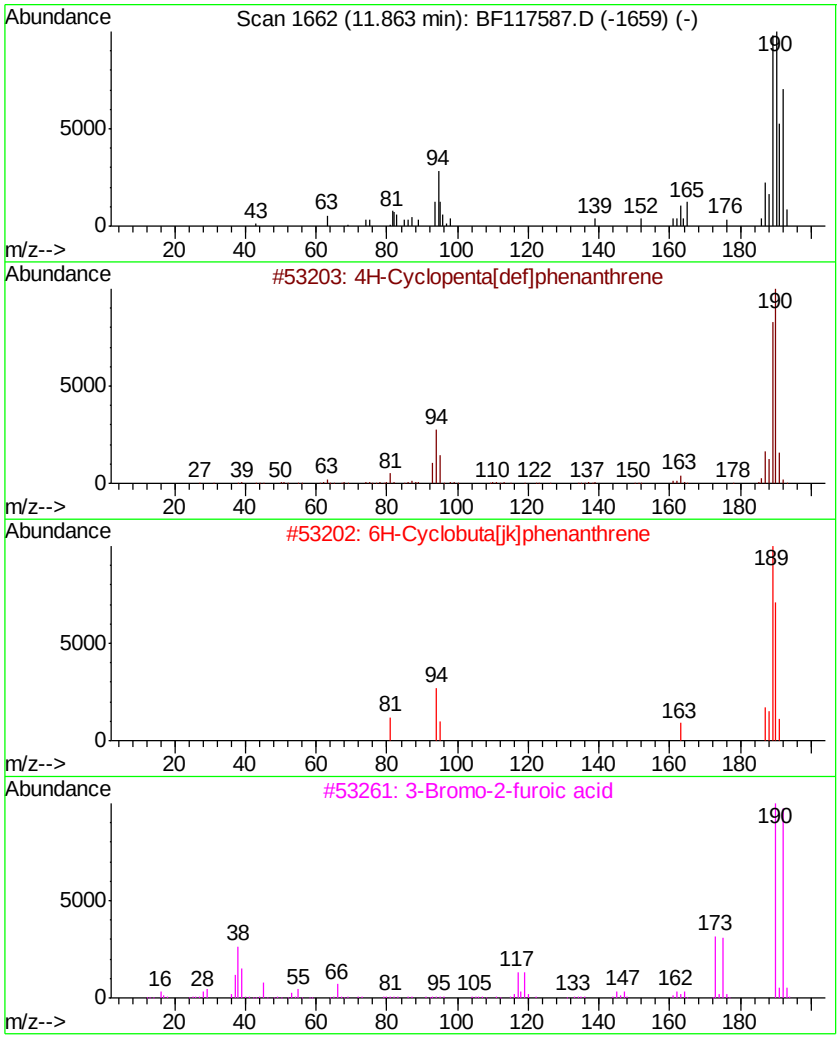
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

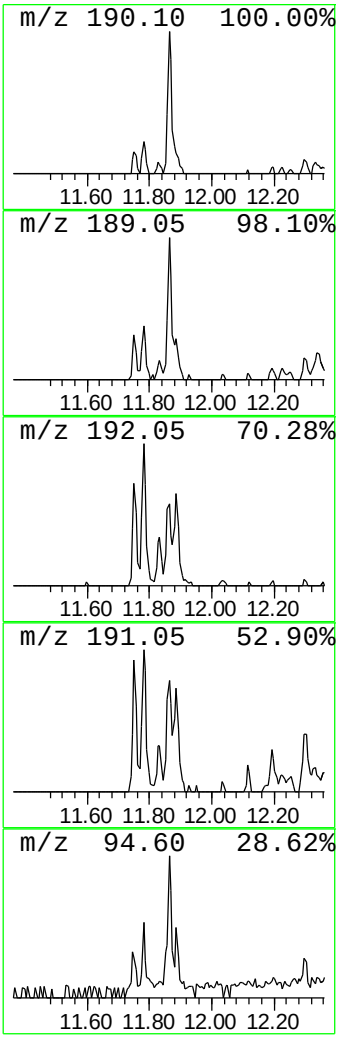
**********

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.86 | 4.22 ng | 57520 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 62 |
| 3 | 3-Bromo-2-furoic acid | 190 | C5H3BrO3 | 014903-90-3 | 27 |
| 4 | 2,6-Dichlorobenzaldoxime | 189 | C7H5Cl2NO | 025185-95-9 | 25 |
| 5 | Benzene, 1,1'-(2-cyclopropen-1-y... | 192 | C15H12 | 022825-21-4 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

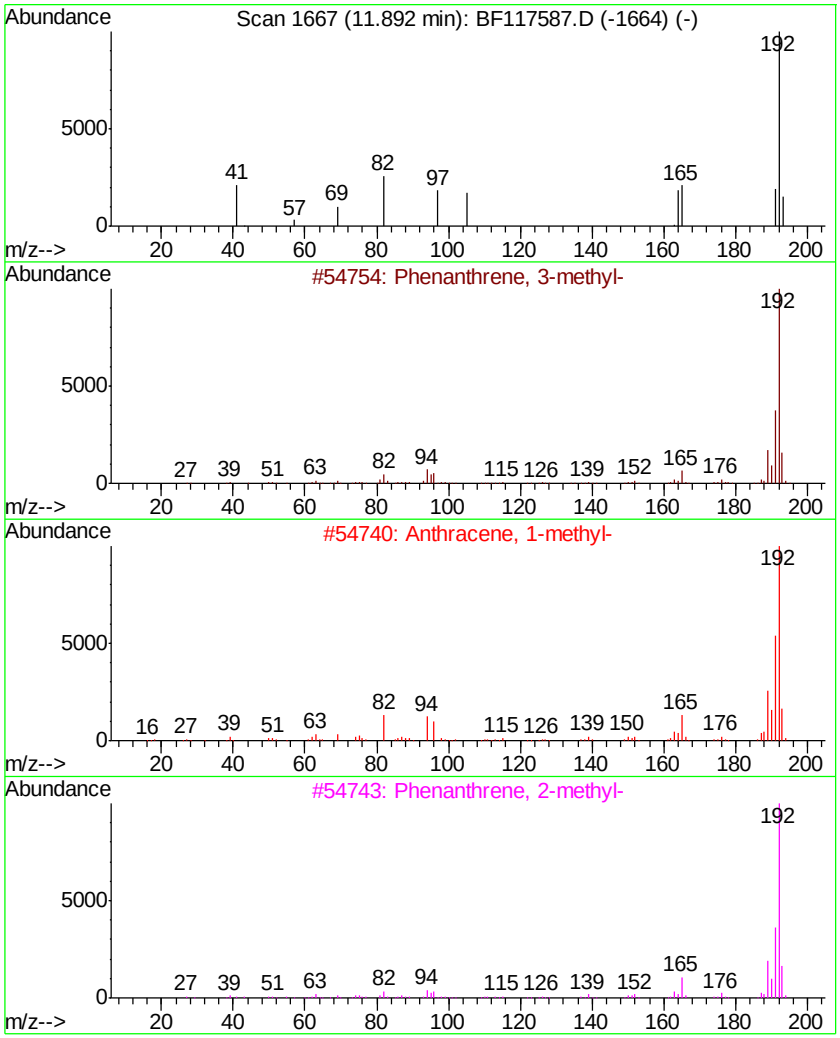
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

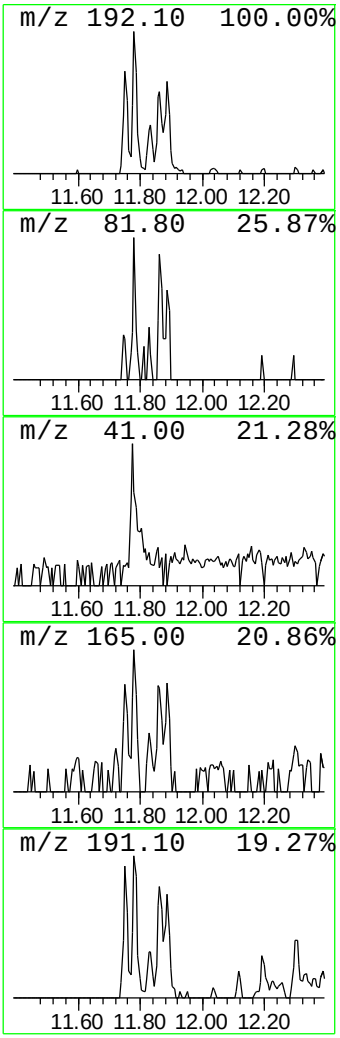
**********

Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.89 | 2.10 ng | 28605 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 90 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 86 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 83 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 78 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

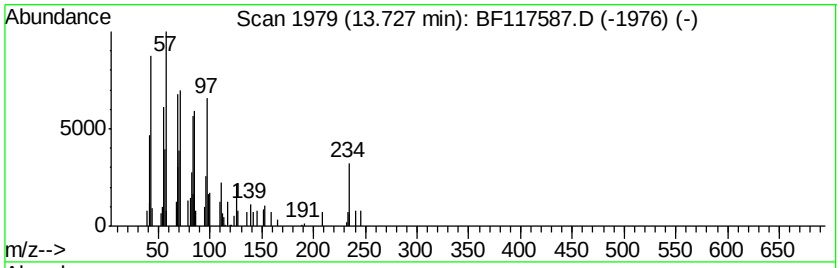
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

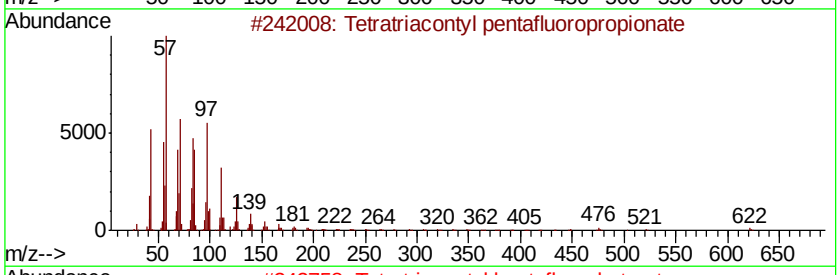
**********

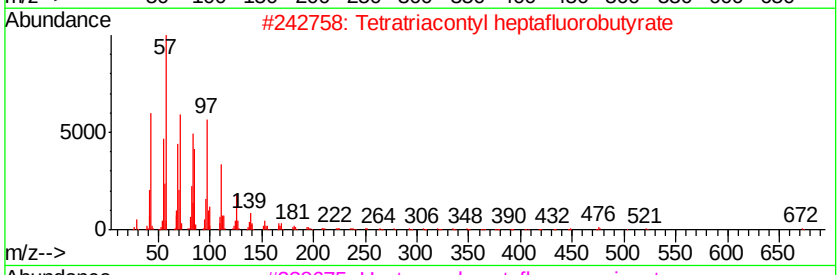
Peak Number 7 Tetratriacontyl pentafluoro... Concentration Rank 10

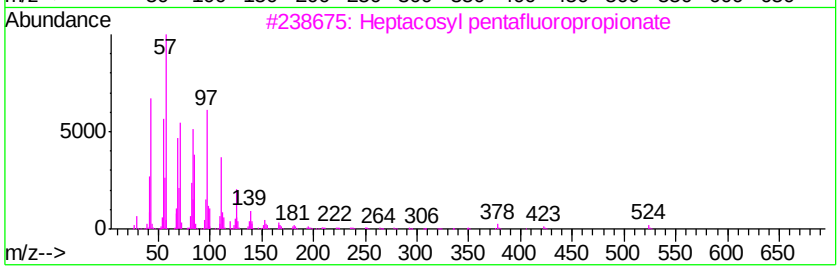
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 2.40 ng | 56002 | Chrysene-d12 | 13.89 |

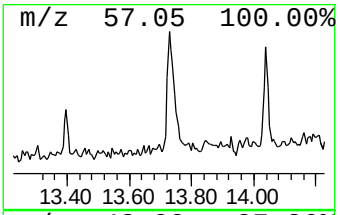
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratriacontyl pentafluoropropi... | 641 | C37H69F5O2 | 1000351-81-5 | 81 |
| 2 | Tetratriacontyl heptafluorobutyrate | 691 | C38H69F7O2 | 1000351-84-1 | 81 |
| 3 | Heptacosyl pentafluoropropionate | 542 | C30H55F5O2 | 1000351-81-6 | 68 |
| 4 | Hexacosyl heptafluorobutyrate | 578 | C30H53F7O2 | 1000351-83-3 | 68 |
| 5 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 64 |

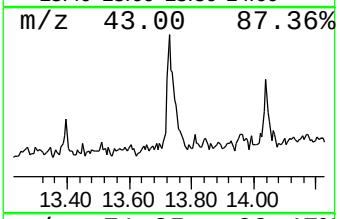


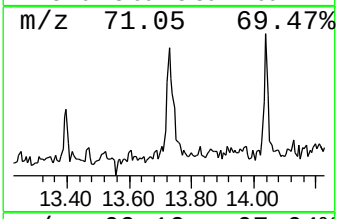



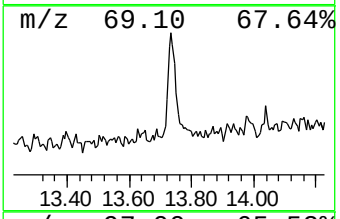



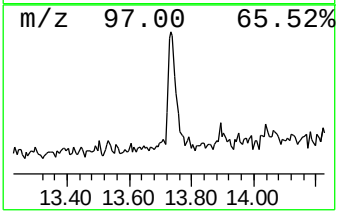



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

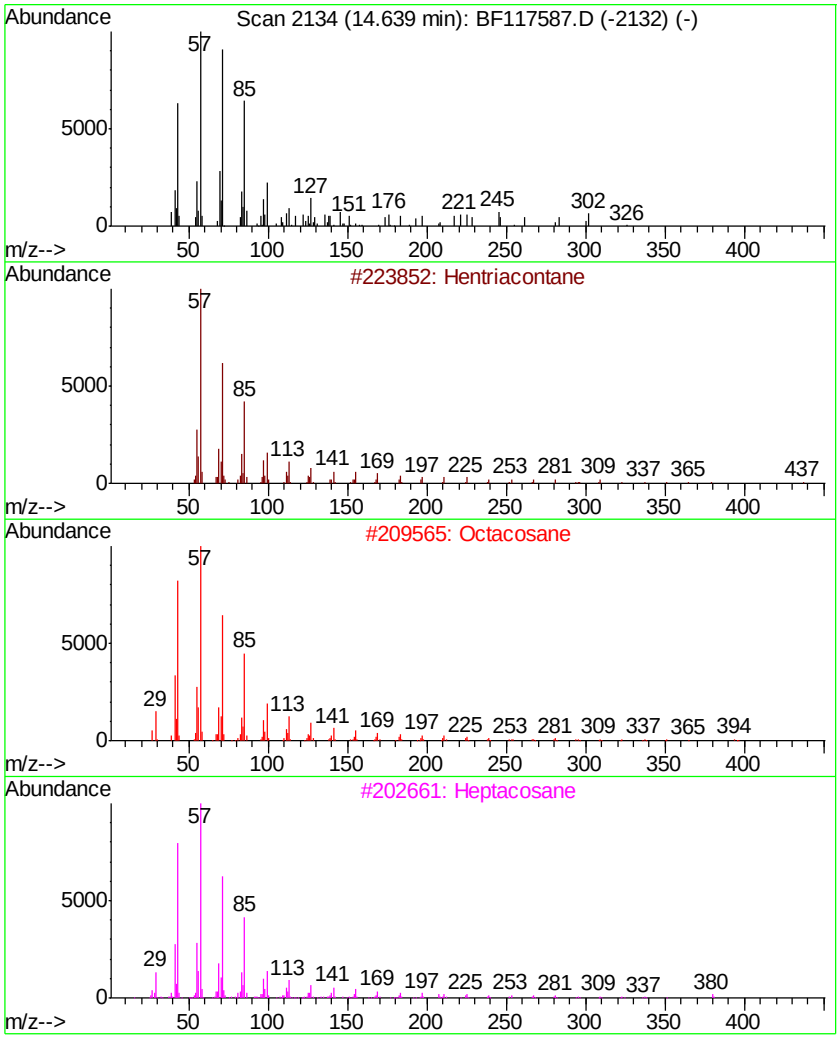
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

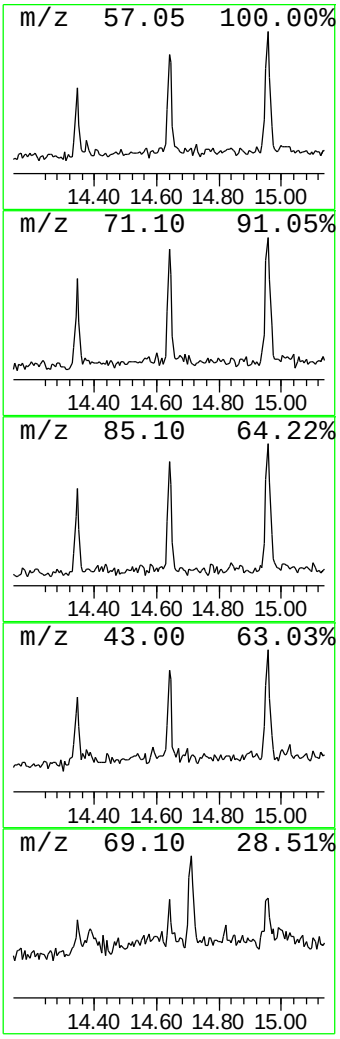
**********

Peak Number 8 Hentriacontane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.64 | 3.39 ng | 39419 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 80 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |
| 4 | 6,6-Diethylhoctadecane | 310 | C22H46 | 1000360-41-8 | 72 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

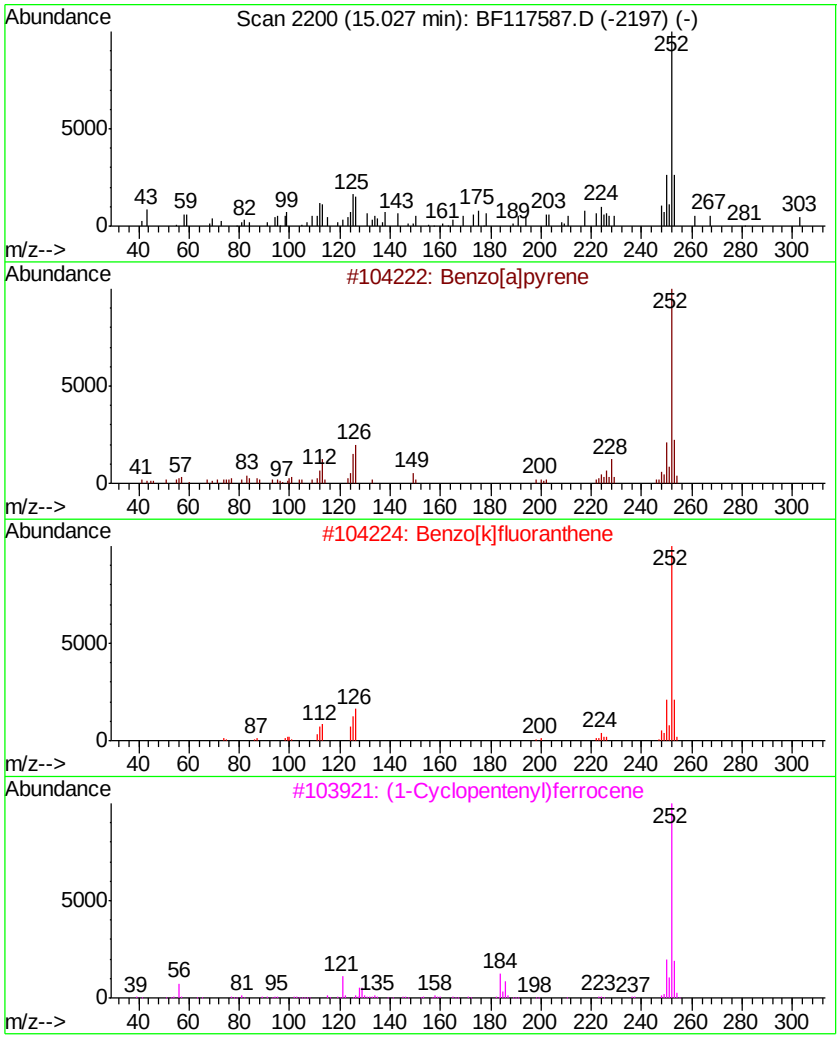
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

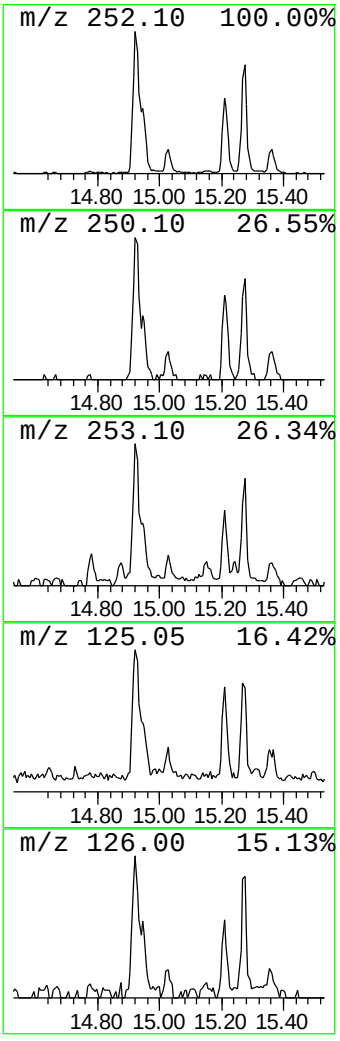
**********

Peak Number 9 Perylene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.03 | 2.55 ng | 29604 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 70 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 70 |
| 3 | (1-Cyclopentenyl)ferrocene | 252 | C15H16Fe | 012260-67-2 | 64 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 62 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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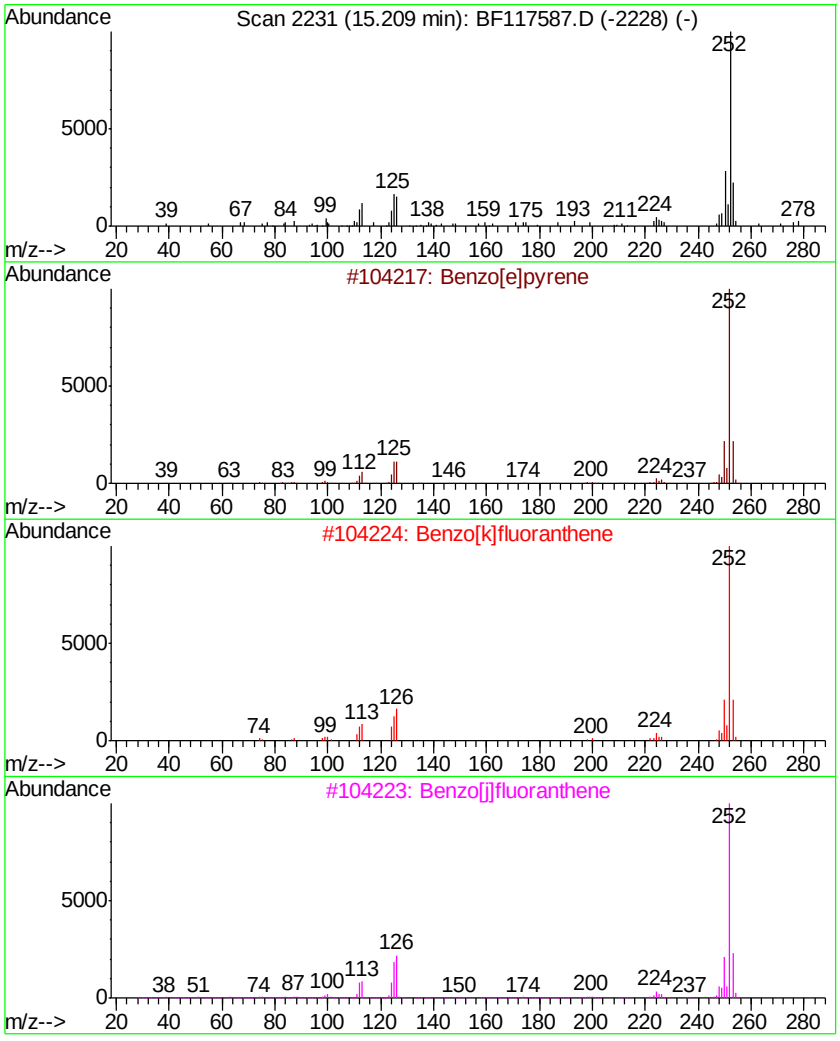
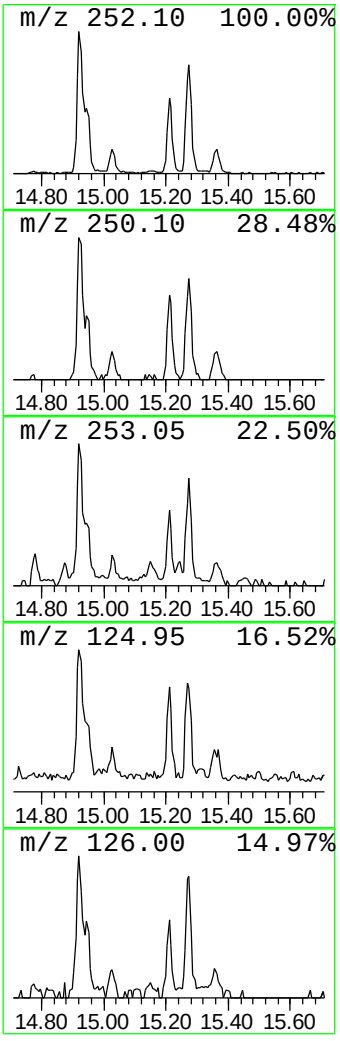
Peak Number 10 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.21 | 5.48 ng | 63709 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 3 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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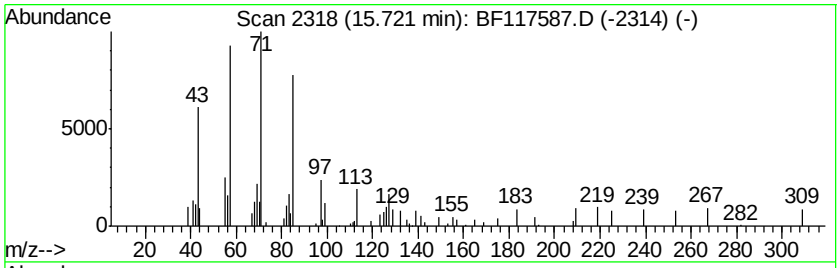
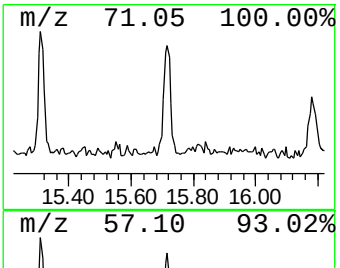
Peak Number 11 Heneicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.72 | 3.68 ng | 42726 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 64 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 59 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 58 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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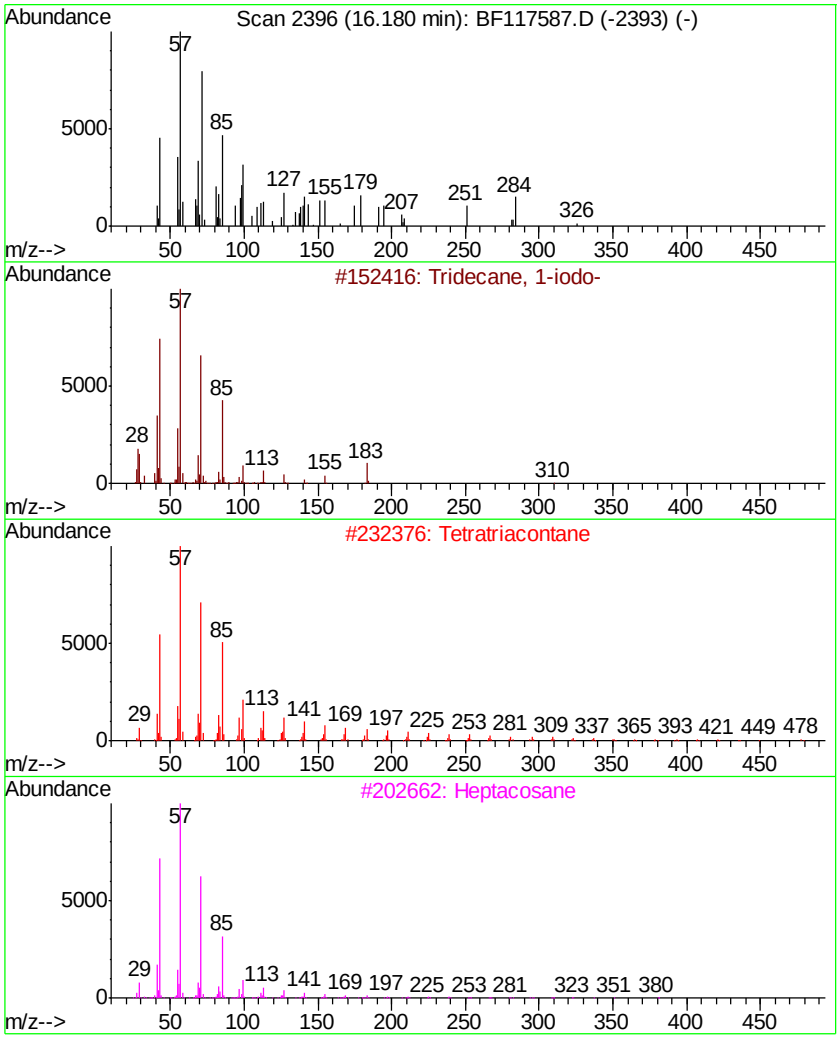
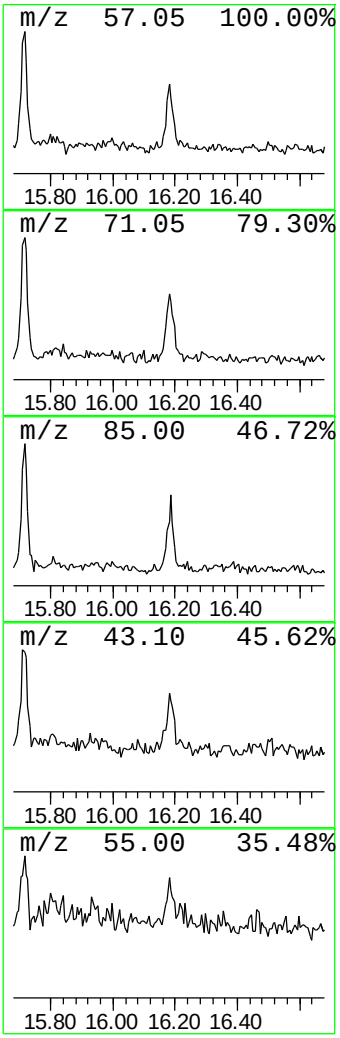
Peak Number 12 unknown16.18 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.18 | 2.41 ng | 28020 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 47 |
| 2 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 47 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 47 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 47 |
| 5 | 5,5,7,7-Tetraethylundecane | 268 | C19H40 | 1000360-42-0 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117587.D
Acq On : 29 Oct 2019 13:37
Operator : JU
Sample : K5503-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 172-80-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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 |
| unknown6.50 | 6.50 | 56.6 | ng | 749651 | 1 | 6.73 | 265020 | 20.0 |
| Anthracene, 2-met... | 11.75 | 2.1 | ng | 28345 | 4 | 11.24 | 272472 | 20.0 |
| Phenanthrene, 2-m... | 11.78 | 6.1 | ng | 83324 | 4 | 11.24 | 272472 | 20.0 |
| 4H-Cyclopenta[def... | 11.86 | 4.2 | ng | 57520 | 4 | 11.24 | 272472 | 20.0 |
| Phenanthrene, 3-m... | 11.89 | 2.1 | ng | 28605 | 4 | 11.24 | 272472 | 20.0 |
| Tetratriacontyl p... | 13.73 | 2.4 | ng | 56002 | 5 | 13.89 | 466360 | 20.0 |
| Hentriacontane | 14.64 | 3.4 | ng | 39419 | 6 | 15.33 | 232312 | 20.0 |
| Perylene | 15.03 | 2.5 | ng | 29604 | 6 | 15.33 | 232312 | 20.0 |
| Benzo[e]pyrene | 15.21 | 5.5 | ng | 63709 | 6 | 15.33 | 232312 | 20.0 |
| Heneicosane | 15.72 | 3.7 | ng | 42726 | 6 | 15.33 | 232312 | 20.0 |
| unknown16.18 | 16.18 | 2.4 | ng | 28020 | 6 | 15.33 | 232312 | 20.0 |