LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128974.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.940 | 447 | 451 | 459 | rVB | 21480 | 29127 | 1.43% | 0.155% |
| 2 | 5.363 | 519 | 523 | 536 | rBV | 1875430 | 1768226 | 86.77% | 9.435% |
| 3 | 6.387 | 693 | 697 | 707 | rBV | 1858862 | 1763864 | 86.56% | 9.412% |
| 4 | 6.728 | 751 | 755 | 762 | rVB | 513406 | 439656 | 21.58% | 2.346% |
| 5 | 7.298 | 847 | 852 | 855 | rBV | 1180667 | 1165571 | 57.20% | 6.219% |
| 6 | 7.810 | 936 | 939 | 945 | rVB | 22683 | 21995 | 1.08% | 0.117% |
| 7 | 8.010 | 967 | 973 | 976 | rBV | 657602 | 548671 | 26.93% | 2.928% |
| 8 | 8.757 | 1097 | 1100 | 1103 | rBV | 32072 | 24818 | 1.22% | 0.132% |
| 9 | 9.086 | 1151 | 1156 | 1159 | rBV | 2277987 | 2037758 | 100.00% | 10.873% |
| 10 | 9.628 | 1245 | 1248 | 1252 | rVB | 67839 | 59808 | 2.93% | 0.319% |
| 11 | 9.763 | 1264 | 1271 | 1274 | rBV | 667319 | 533148 | 26.16% | 2.845% |
| 12 | 9.798 | 1274 | 1277 | 1280 | rVB | 38165 | 36241 | 1.78% | 0.193% |
| 13 | 9.969 | 1301 | 1306 | 1309 | rVB | 27403 | 24286 | 1.19% | 0.130% |
| 14 | 10.310 | 1361 | 1364 | 1370 | rVB | 40971 | 40666 | 2.00% | 0.217% |
| 15 | 10.557 | 1402 | 1406 | 1409 | rBV | 1101513 | 895786 | 43.96% | 4.780% |
| 16 | 10.675 | 1422 | 1426 | 1433 | rVB5 | 27211 | 48533 | 2.38% | 0.259% |
| 17 | 10.828 | 1449 | 1452 | 1454 | rBV | 86490 | 67040 | 3.29% | 0.358% |
| 18 | 11.022 | 1481 | 1485 | 1489 | rVB2 | 55958 | 64241 | 3.15% | 0.343% |
| 19 | 11.057 | 1489 | 1491 | 1494 | rVB | 28638 | 25049 | 1.23% | 0.134% |
| 20 | 11.145 | 1503 | 1506 | 1513 | rVB | 37959 | 40708 | 2.00% | 0.217% |
| 21 | 11.251 | 1520 | 1524 | 1526 | rBV | 535755 | 462401 | 22.69% | 2.467% |
| 22 | 11.275 | 1526 | 1528 | 1531 | rVV | 486253 | 372811 | 18.30% | 1.989% |
| 23 | 11.328 | 1531 | 1537 | 1539 | rVB | 123902 | 116402 | 5.71% | 0.621% |
| 24 | 11.486 | 1559 | 1564 | 1567 | rBV2 | 37614 | 46809 | 2.30% | 0.250% |
| 25 | 11.545 | 1572 | 1574 | 1578 | rVB3 | 25727 | 21946 | 1.08% | 0.117% |
| 26 | 11.751 | 1606 | 1609 | 1611 | rBV | 86719 | 75171 | 3.69% | 0.401% |
| 27 | 11.780 | 1611 | 1614 | 1618 | rVV2 | 133394 | 149253 | 7.32% | 0.796% |
| 28 | 11.827 | 1620 | 1622 | 1624 | rVV | 49446 | 44204 | 2.17% | 0.236% |
| 29 | 11.863 | 1624 | 1628 | 1631 | rVV2 | 138235 | 173411 | 8.51% | 0.925% |
| 30 | 11.886 | 1631 | 1632 | 1636 | rVB | 66257 | 44268 | 2.17% | 0.236% |
| 31 | 11.939 | 1637 | 1641 | 1647 | rBV5 | 24456 | 58206 | 2.86% | 0.311% |
| 32 | 12.051 | 1657 | 1660 | 1662 | rBV | 55916 | 52523 | 2.58% | 0.280% |
| 33 | 12.080 | 1662 | 1665 | 1669 | rVV2 | 67457 | 69050 | 3.39% | 0.368% |
| 34 | 12.227 | 1688 | 1690 | 1692 | rBV2 | 28296 | 23051 | 1.13% | 0.123% |
| 35 | 12.304 | 1700 | 1703 | 1706 | rBV | 62852 | 72769 | 3.57% | 0.388% |
| 36 | 12.339 | 1706 | 1709 | 1711 | rVV2 | 55674 | 61274 | 3.01% | 0.327% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.392 | 1715 | 1718 | 1724 | rVV | 67474 | 84578 | 4.15% | 0.451% |
| 38 | 12.469 | 1725 | 1731 | 1734 | rVB | 904690 | 836515 | 41.05% | 4.464% |
| 39 | 12.504 | 1734 | 1737 | 1739 | rBV2 | 49985 | 44247 | 2.17% | 0.236% |
| 40 | 12.563 | 1744 | 1747 | 1750 | rBV2 | 35184 | 47596 | 2.34% | 0.254% |
| 41 | 12.698 | 1764 | 1770 | 1775 | rVV | 797525 | 861637 | 42.28% | 4.598% |
| 42 | 12.745 | 1775 | 1778 | 1783 | rVB2 | 41357 | 52915 | 2.60% | 0.282% |
| 43 | 12.839 | 1790 | 1794 | 1797 | rBV | 1792510 | 1450513 | 71.18% | 7.740% |
| 44 | 12.916 | 1804 | 1807 | 1811 | rVB | 55400 | 73069 | 3.59% | 0.390% |
| 45 | 13.022 | 1823 | 1825 | 1828 | rVB | 121970 | 114075 | 5.60% | 0.609% |
| 46 | 13.092 | 1834 | 1837 | 1839 | rBV | 78158 | 63487 | 3.12% | 0.339% |
| 47 | 13.127 | 1839 | 1843 | 1846 | rVV2 | 92261 | 98031 | 4.81% | 0.523% |
| 48 | 13.222 | 1856 | 1859 | 1862 | rBV | 63192 | 66263 | 3.25% | 0.354% |
| 49 | 13.251 | 1862 | 1864 | 1867 | rVV | 56081 | 48570 | 2.38% | 0.259% |
| 50 | 13.533 | 1910 | 1912 | 1916 | rVB | 81479 | 77595 | 3.81% | 0.414% |
| 51 | 13.645 | 1928 | 1931 | 1933 | rBV | 83767 | 82341 | 4.04% | 0.439% |
| 52 | 13.669 | 1933 | 1935 | 1937 | rVV | 80193 | 59127 | 2.90% | 0.315% |
| 53 | 13.698 | 1937 | 1940 | 1941 | rVV | 53357 | 52028 | 2.55% | 0.278% |
| 54 | 13.745 | 1945 | 1948 | 1950 | rBV2 | 92639 | 91473 | 4.49% | 0.488% |
| 55 | 13.892 | 1968 | 1973 | 1976 | rBV2 | 651063 | 975757 | 47.88% | 5.207% |
| 56 | 13.921 | 1976 | 1978 | 1981 | rVB | 443497 | 349838 | 17.17% | 1.867% |
| 57 | 13.992 | 1987 | 1990 | 1996 | rVB2 | 133558 | 165941 | 8.14% | 0.885% |
| 58 | 14.927 | 2145 | 2149 | 2151 | rBV | 370802 | 498180 | 24.45% | 2.658% |
| 59 | 15.215 | 2195 | 2198 | 2204 | rVB | 242744 | 296502 | 14.55% | 1.582% |
| 60 | 15.274 | 2204 | 2208 | 2213 | rVB | 284579 | 337493 | 16.56% | 1.801% |
| 61 | 15.333 | 2215 | 2218 | 2221 | rBV | 258401 | 309684 | 15.20% | 1.652% |
| 62 | 15.757 | 2287 | 2290 | 2294 | rVB2 | 103712 | 124649 | 6.12% | 0.665% |

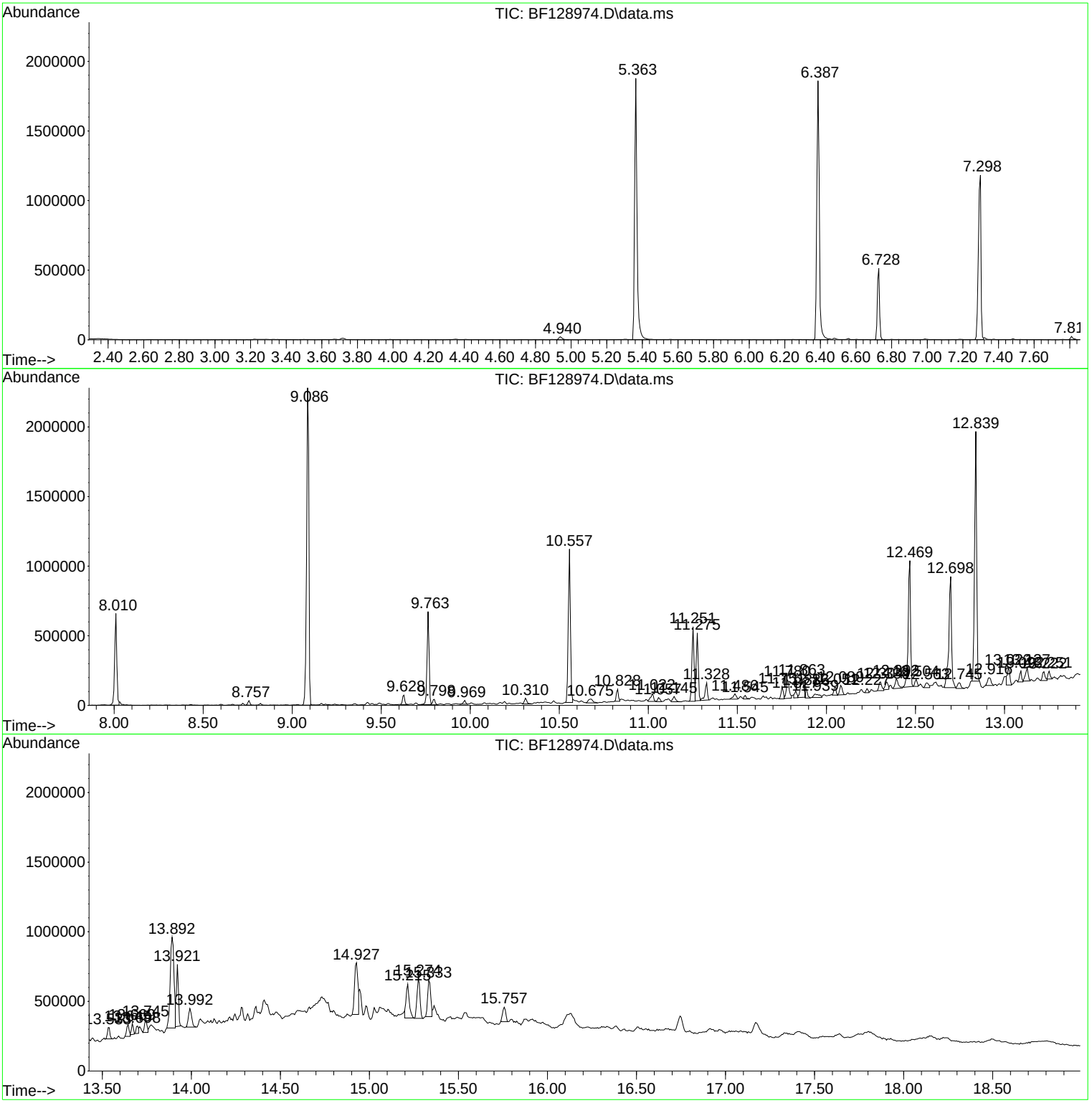
Sum of corrected areas: 18740845

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

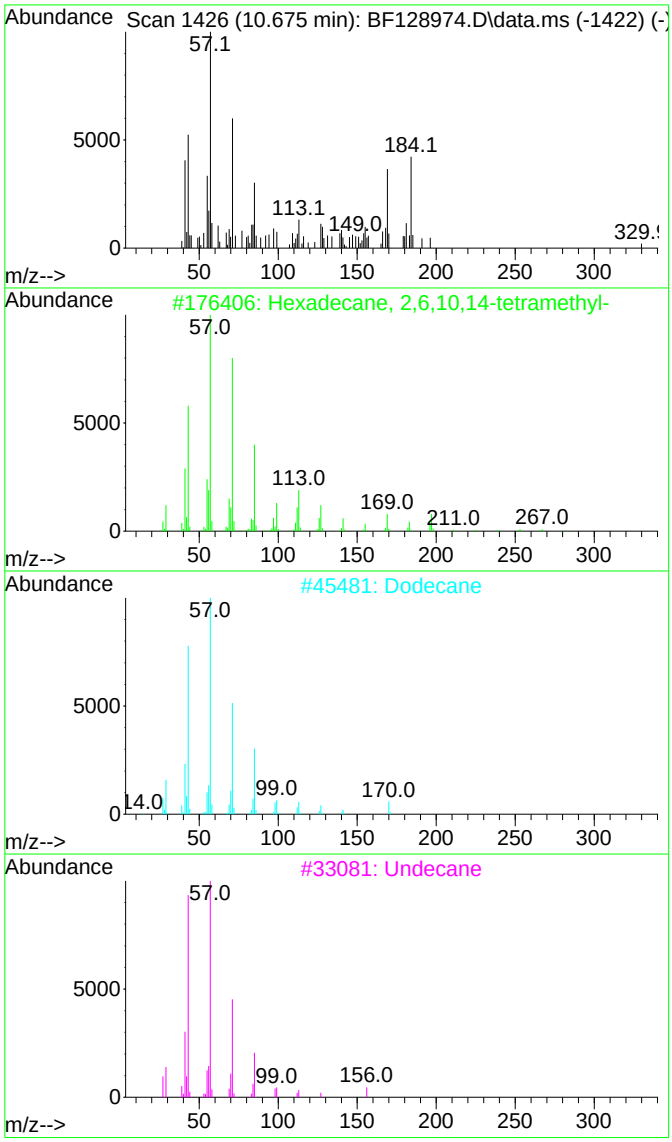
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

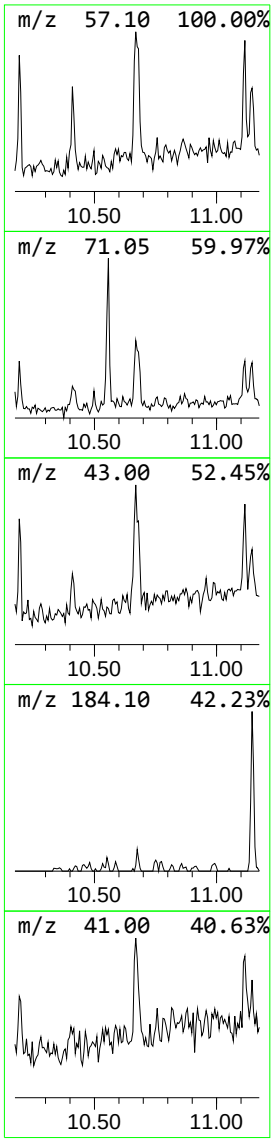
**********

Peak Number 1 unknown10.675 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.675 | 2.10 ng | 48533 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 22 |
| 2 | Dodecane | 170 | C12H26 | 000112-40-3 | 18 |
| 3 | Undecane | 156 | C11H24 | 001120-21-4 | 18 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 18 |
| 5 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 14 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

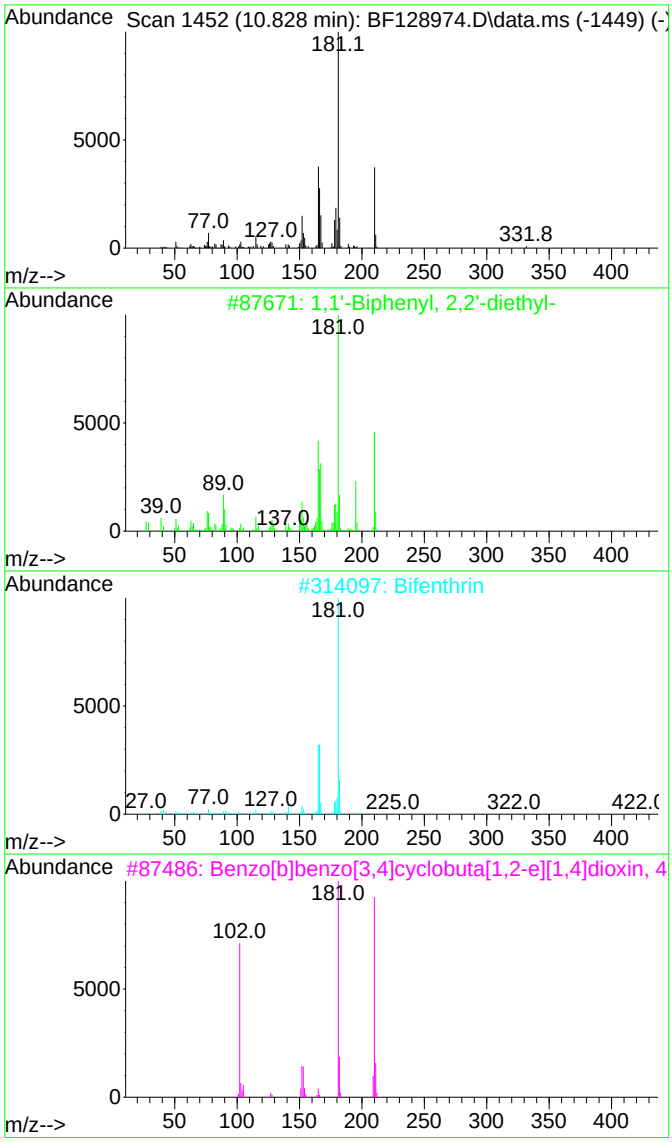
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

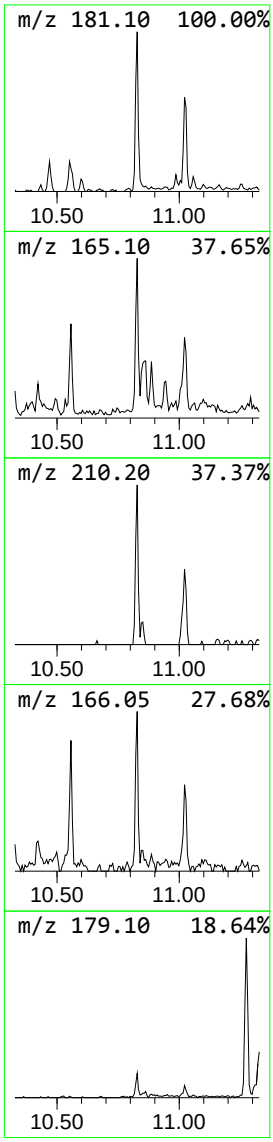
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1,1'-Biphenyl, 2,2'-diethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.828 | 2.90 ng | 67040 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2'-diethyl- | 210 | C16H18 | 013049-35-9 | 87 |
| 2 | Bifenthrin | 422 | C23H22ClF3O2 | 082657-04-3 | 59 |
| 3 | Benzo[b]benzo[3,4]cyclobuta[1,2-... | 210 | C14H10O2 | 042896-18-4 | 58 |
| 4 | 4'-Phenylpropiophenone | 210 | C15H14O | 037940-57-1 | 49 |
| 5 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

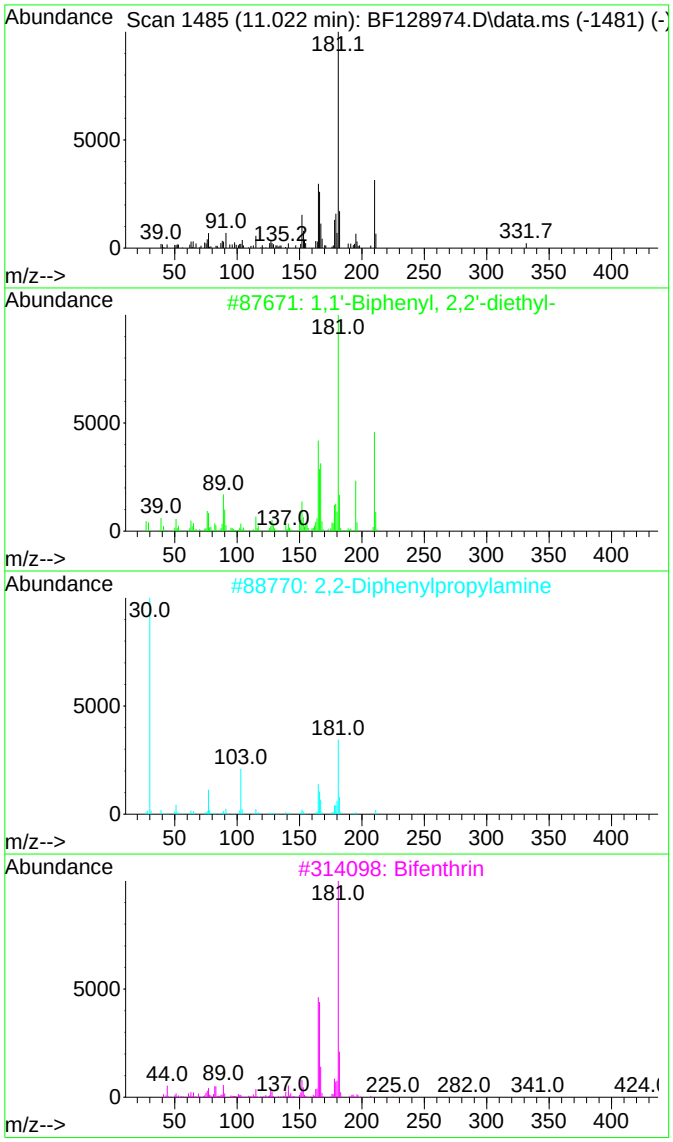
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

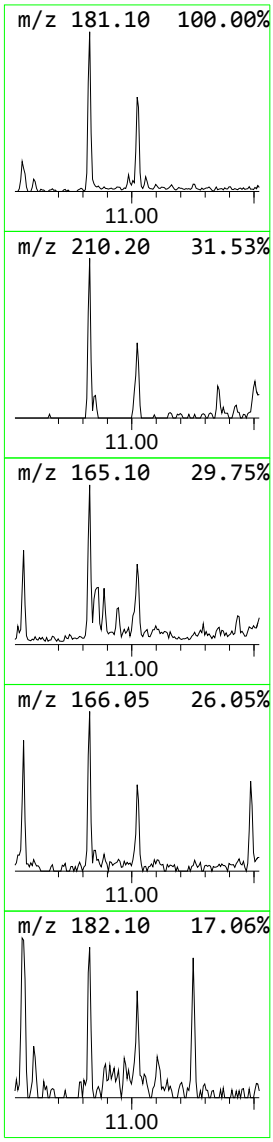
**********

Peak Number 3 2,2-Diphenylpropylamine Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.022 | 2.78 ng | 64241 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2'-diethyl- | 210 | C16H18 | 013049-35-9 | 93 |
| 2 | 2,2-Diphenylpropylamine | 211 | C15H17N | 034611-07-9 | 72 |
| 3 | Bifenthrin | 422 | C23H22ClF3O2 | 082657-04-3 | 64 |
| 4 | Benzene, 1,1'-[1-(methylthio)eth... | 228 | C15H16S | 054851-63-7 | 64 |
| 5 | (R)-4-(1-Cyclopentylethyl)-1,1'-... | 250 | C19H22 | 1402851-80-2 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

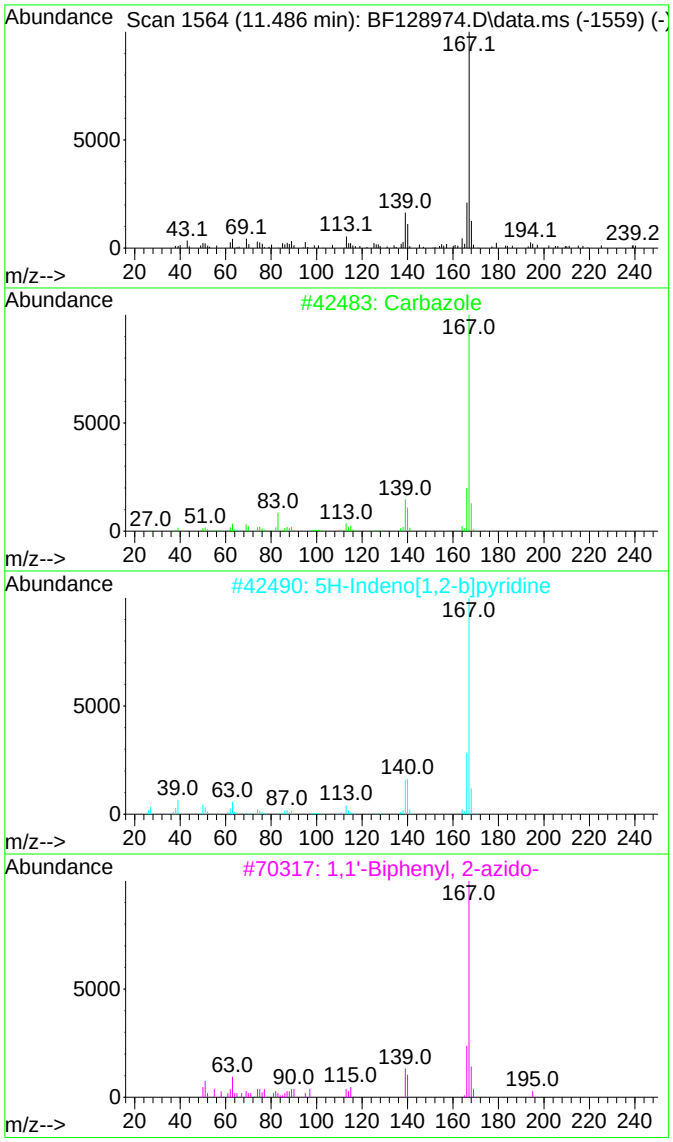
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

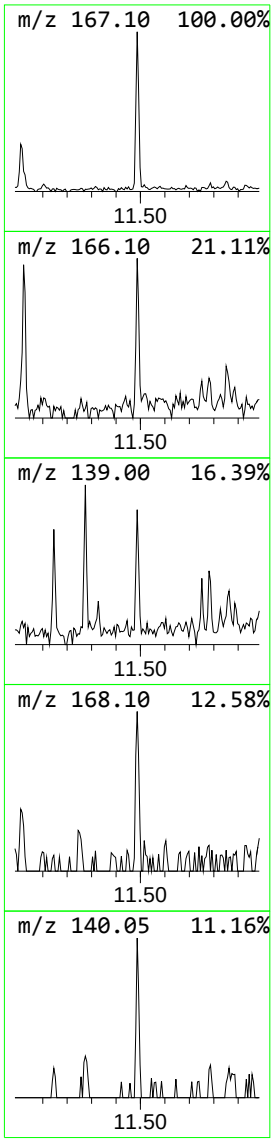
**********

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.486 | 2.02 ng | 46809 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbazole | 167 | C12H9N | 000086-74-8 | 95 |
| 2 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 90 |
| 3 | 1,1'-Biphenyl, 2-azido- | 195 | C12H9N3 | 007599-23-7 | 90 |
| 4 | ethanone, 1-(9H-carbazol-9-yl)- | 209 | C14H11NO | 1000400-59-5 | 87 |
| 5 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

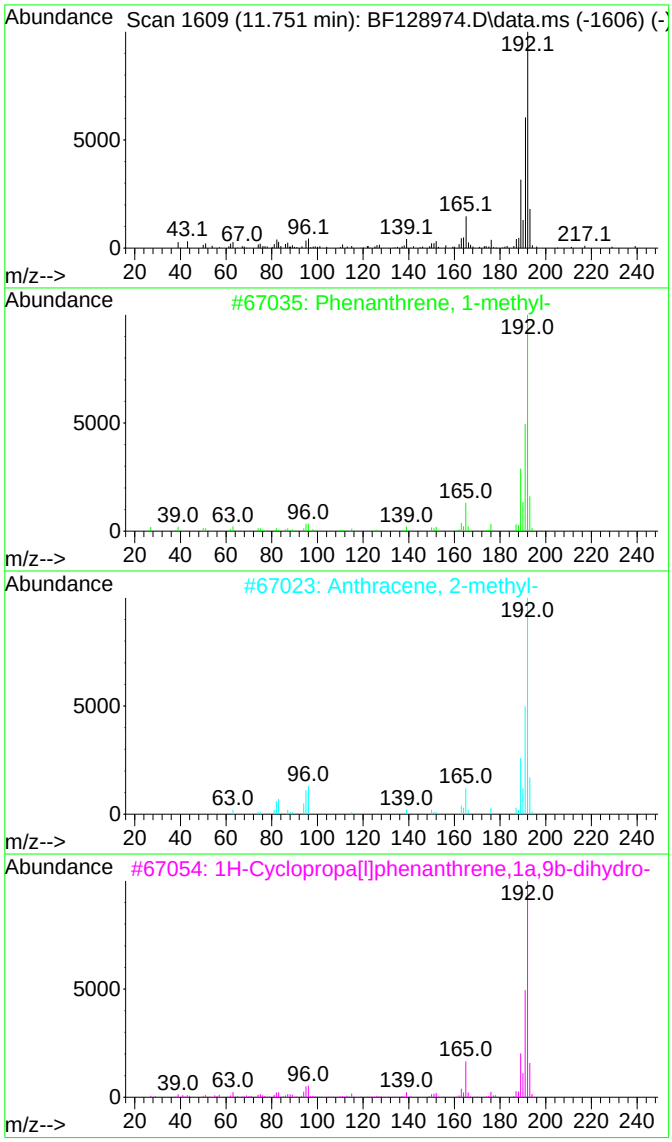
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

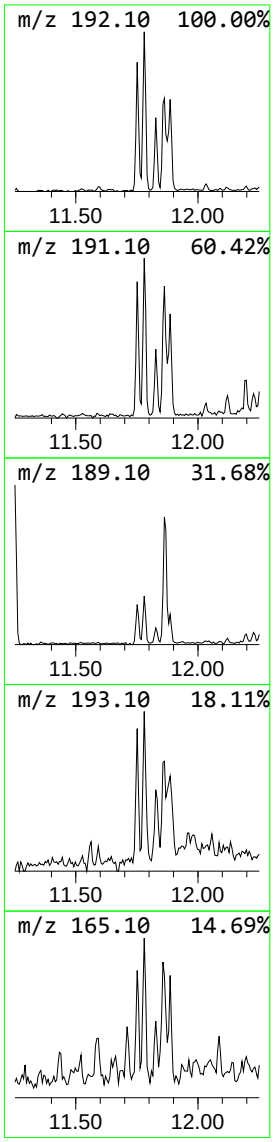
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.751 | 3.25 ng | 75171 | Phenanthrene-d10 | 11.251 |

| 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 | 95 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

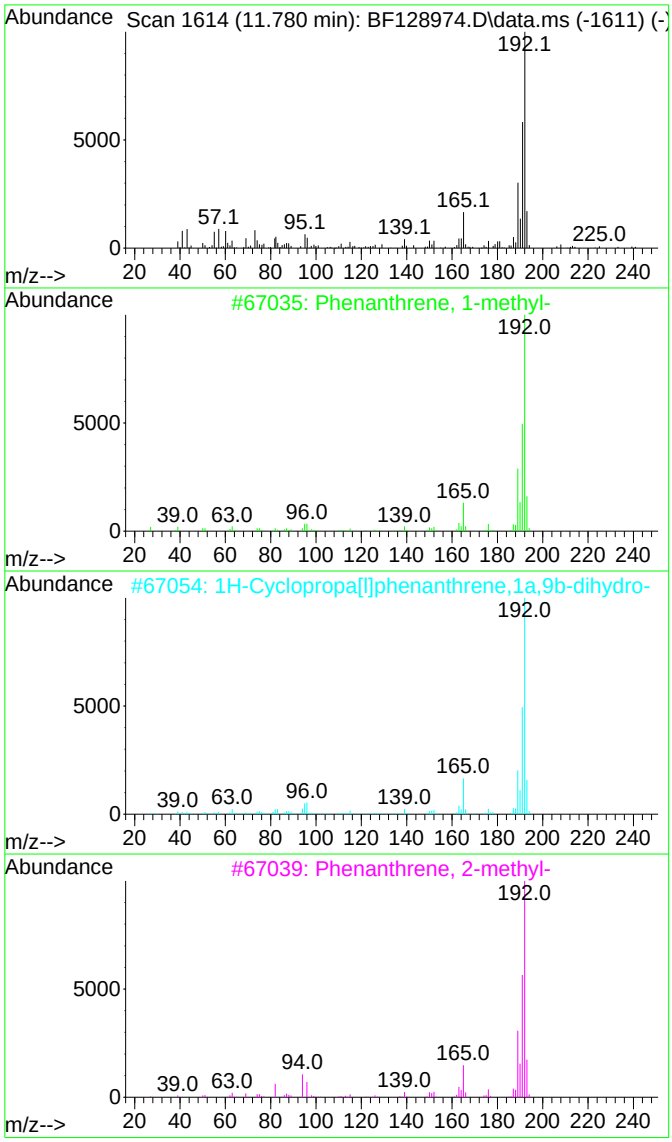
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

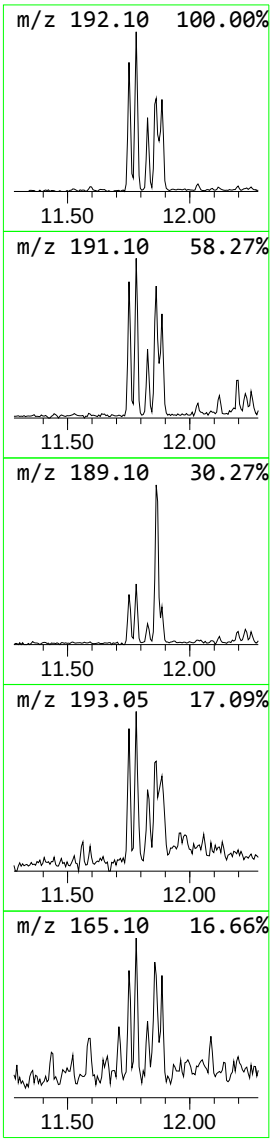
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.780 | 6.46 ng | 149253 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

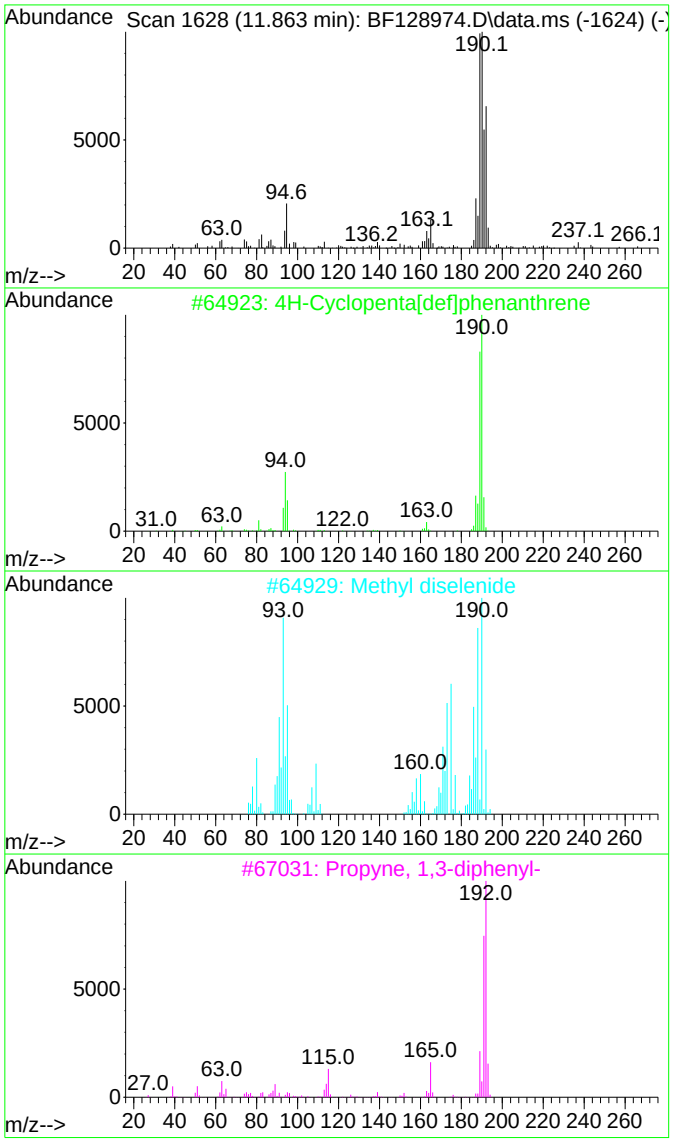
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

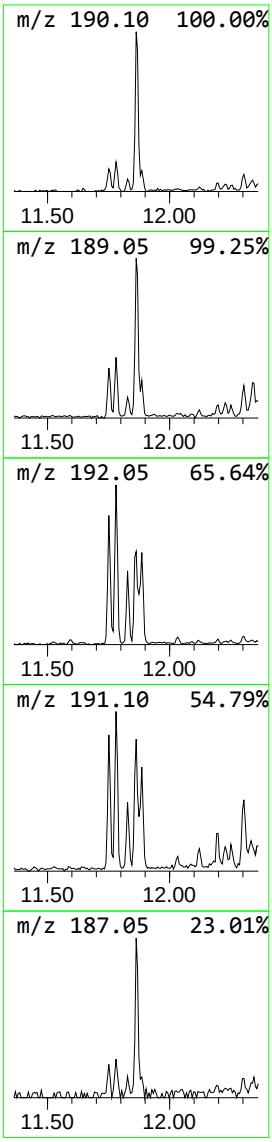
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 7.50 ng | 173411 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 43 |
| 3 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 38 |
| 4 | 3-Bromo-2-furoic acid | 190 | C5H3BrO3 | 014903-90-3 | 27 |
| 5 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

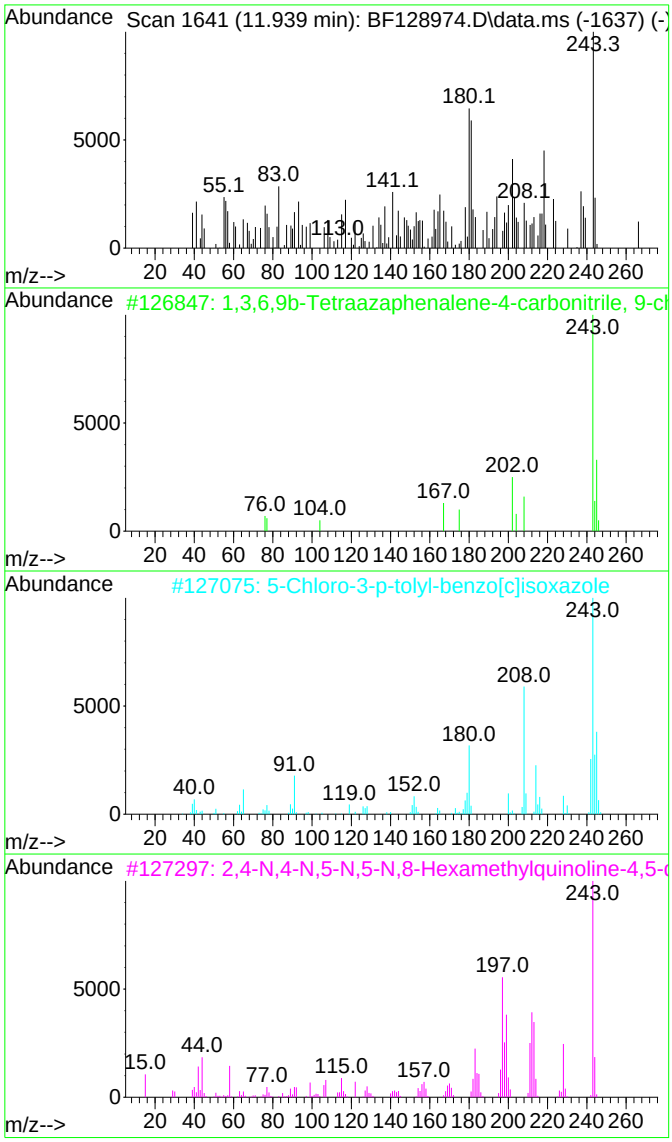
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

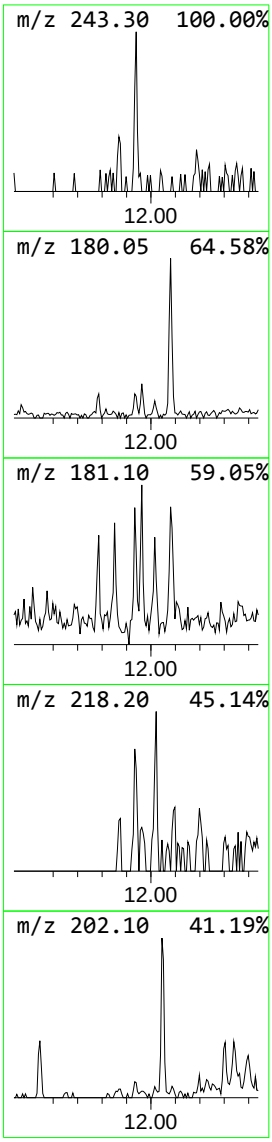
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 unknown11.939 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.939 | 2.52 ng | 58206 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3,6,9b-Tetraazaphenalene-4-car... | 243 | C11H6ClN5 | 051080-08-1 | 35 |
| 2 | 5-Chloro-3-p-tolyl-benzo[c]isoxa... | 243 | C14H10ClNO | 1000274-45-1 | 22 |
| 3 | 2,4-N,4-N,5-N,5-N,8-Hexamethylqu... | 243 | C15H21N3 | 1392408-75-1 | 20 |
| 4 | 6-Chrysenamine | 243 | C18H13N | 002642-98-0 | 20 |
| 5 | 4-Hydroxy-2-trifluoromethyl-5-me... | 243 | C11H8F3NO2 | 041192-86-3 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

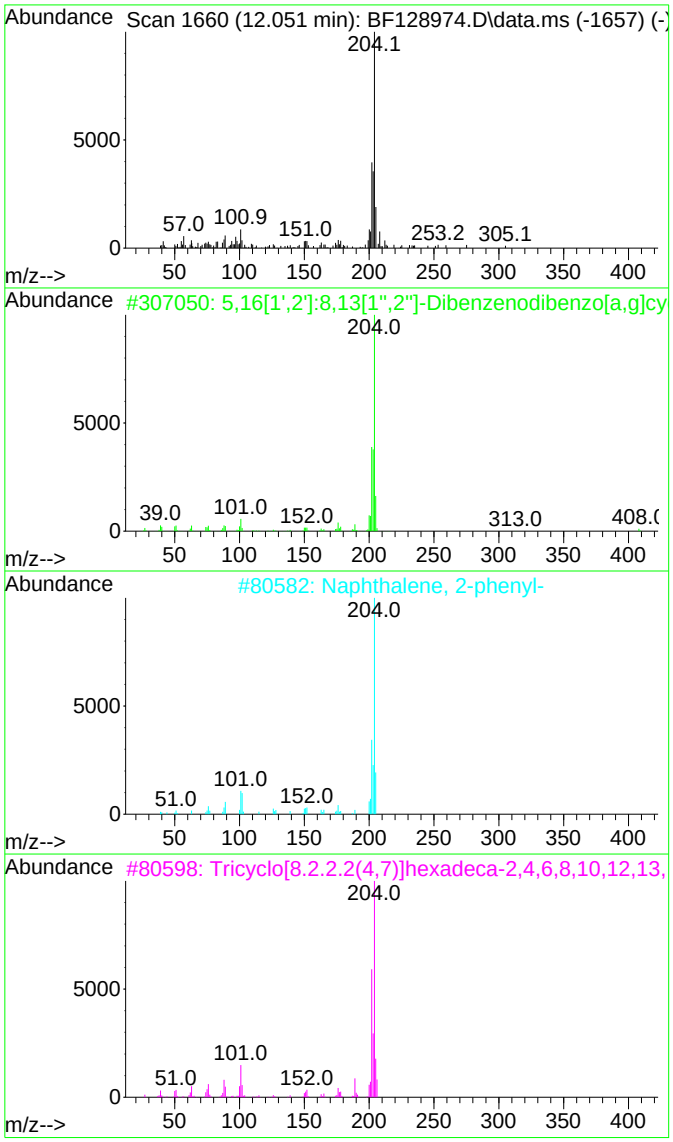
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

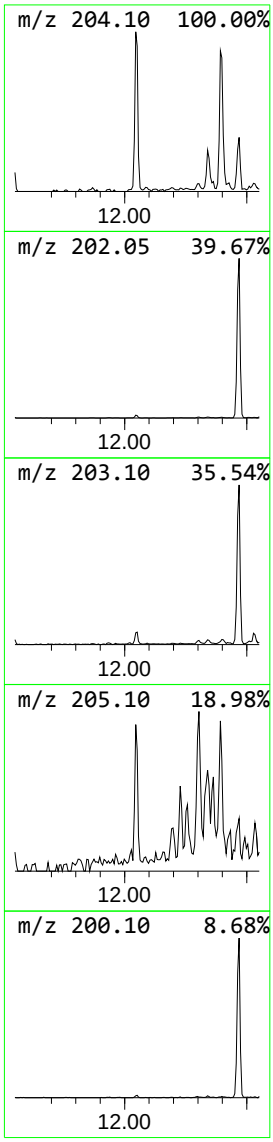
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.051 | 2.27 ng | 52523 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 83 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 58 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 52 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

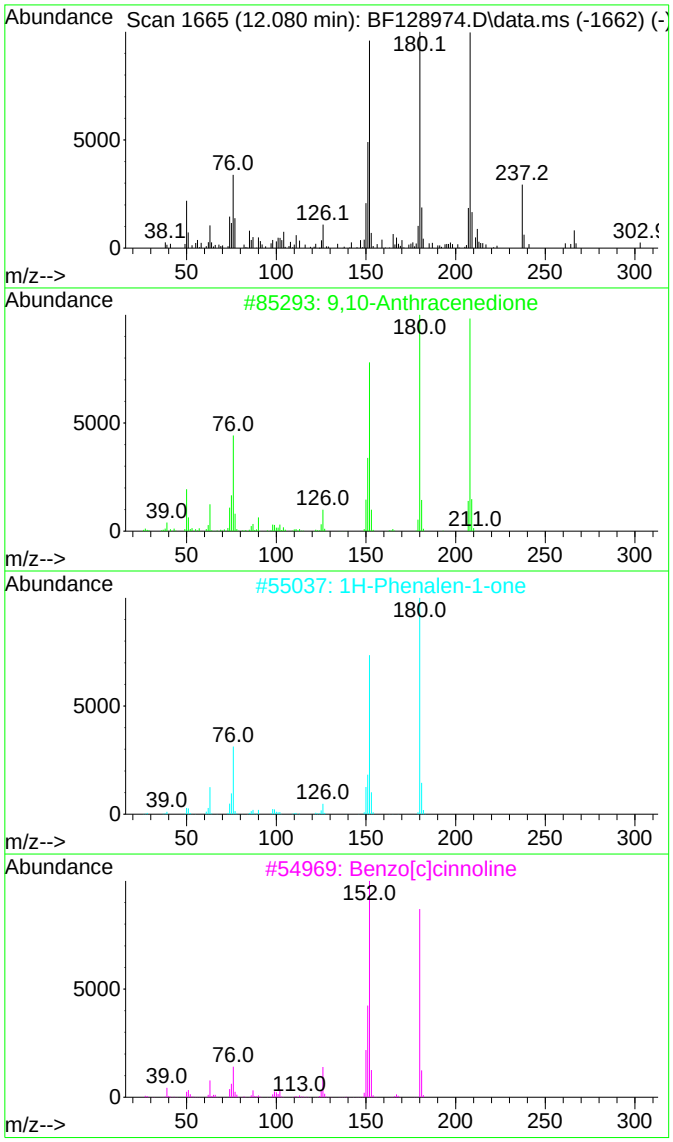
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

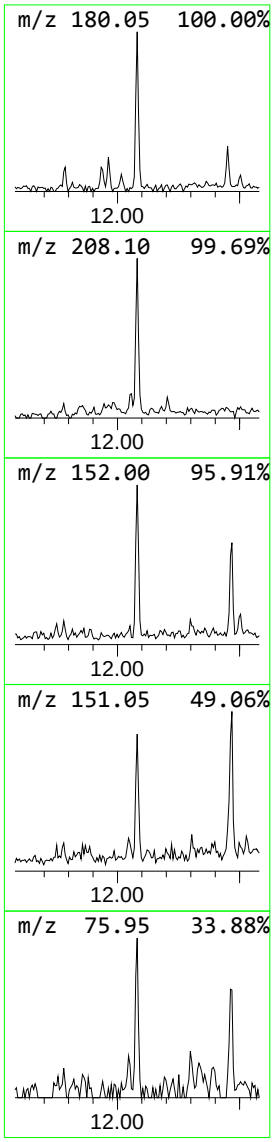
**********

Peak Number 10 9,10-Anthracenedione Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.080 | 2.99 ng | 69050 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 2 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 58 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 53 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

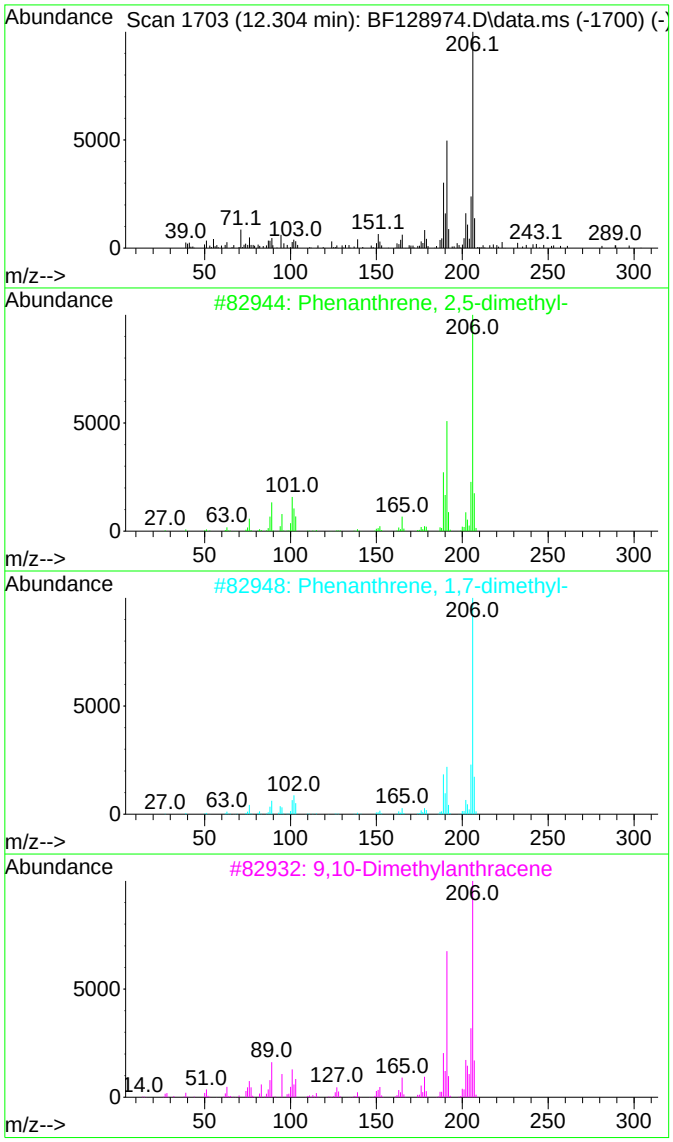
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

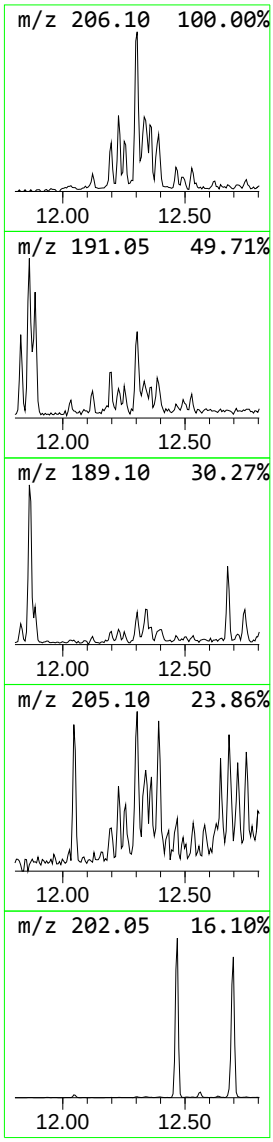
**********

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.304 | 3.15 ng | 72769 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 87 |
| 4 | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14 | 086544-79-8 | 74 |
| 5 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

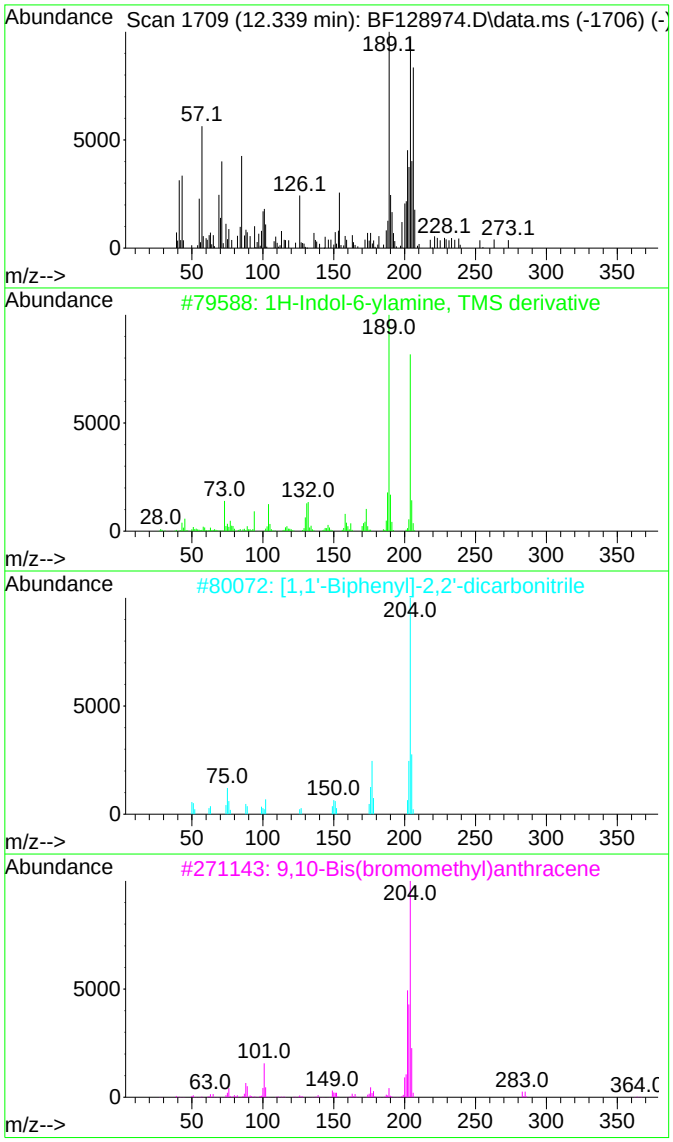
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

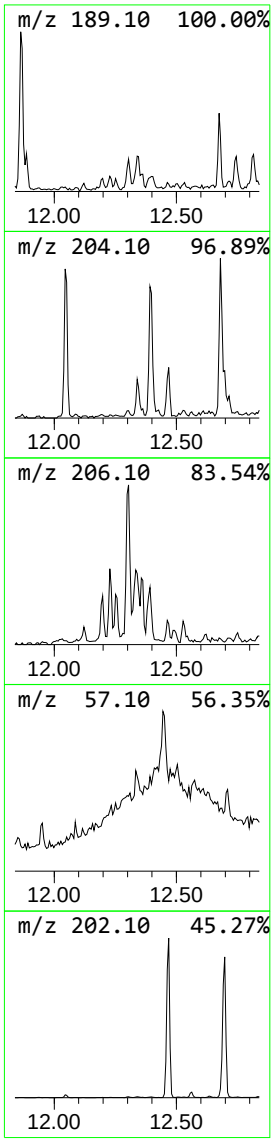
**********

Peak Number 12 unknown12.339 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.339 | 2.65 ng | 61274 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indol-6-ylamine, TMS derivative | 204 | C11H16N2Si | 1000484-86-1 | 30 |
| 2 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 22 |
| 3 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 22 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 20 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

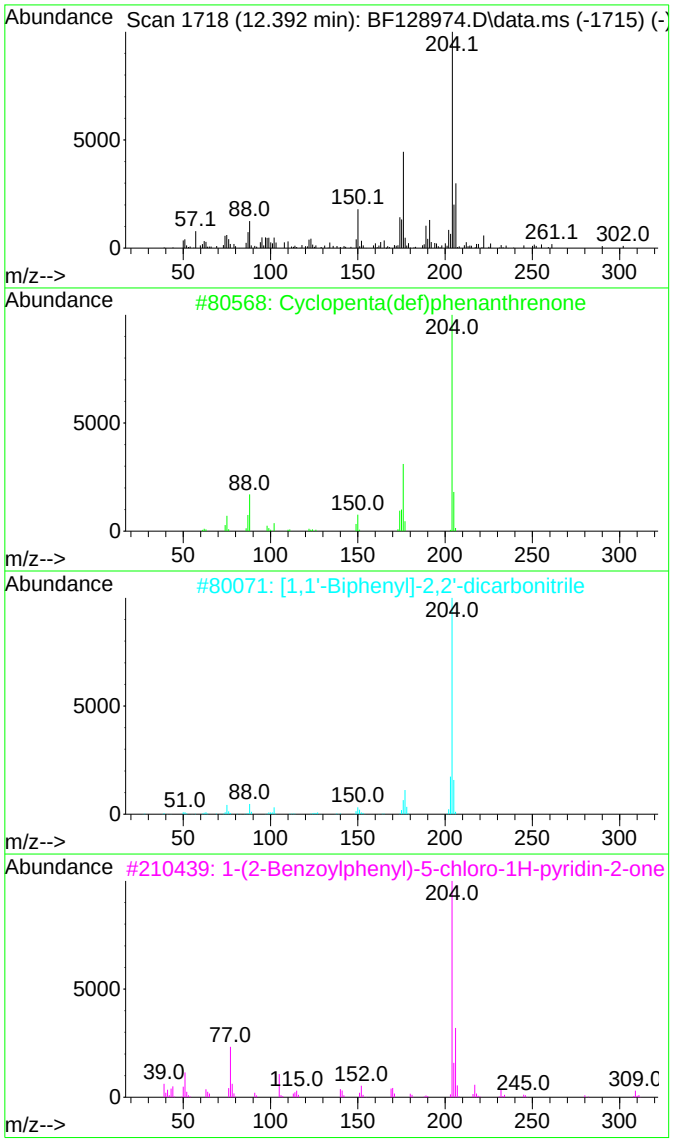
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

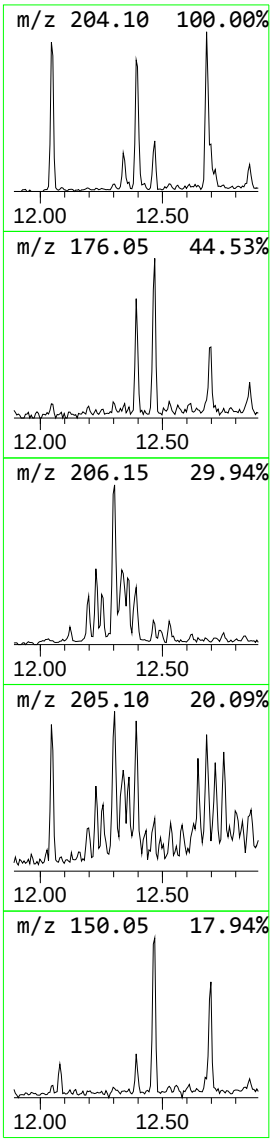
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.392 | 3.66 ng | 84578 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 76 |
| 2 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 50 |
| 3 | 1-(2-Benzoylphenyl)-5-chloro-1H-... | 309 | C18H12ClNO2 | 1000306-71-1 | 43 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 43 |
| 5 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

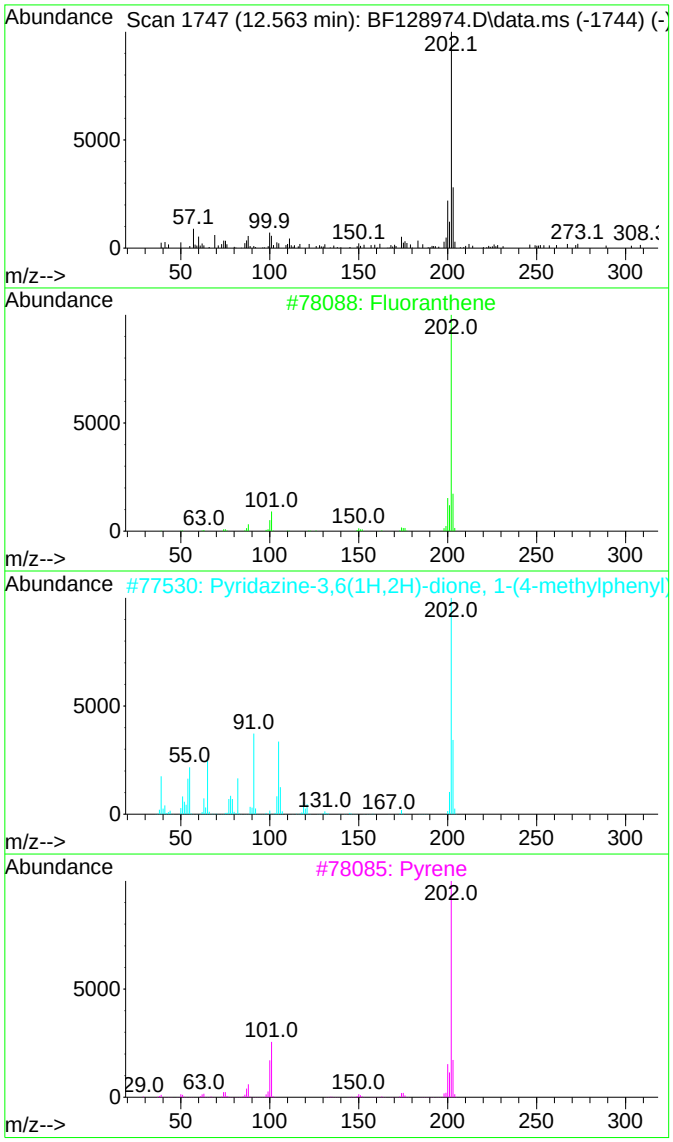
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

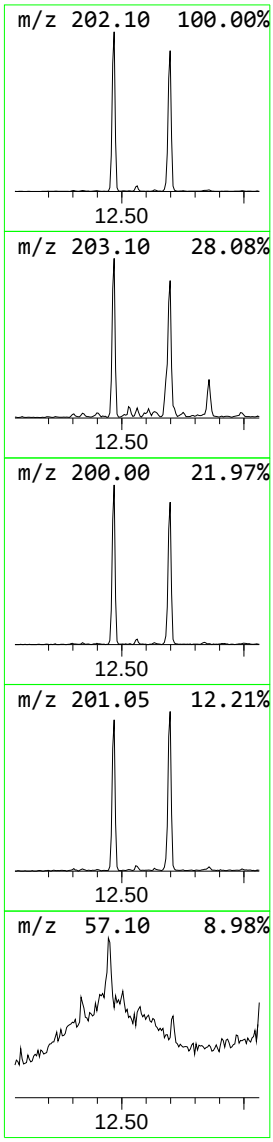
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Pyridazine-3,6(1H,2H)-dione... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.563 | 2.06 ng | 47596 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 64 |
| 2 | Pyridazine-3,6(1H,2H)-dione, 1-(... | 202 | C11H10N2O2 | 034019-60-8 | 59 |
| 3 | Pyrene | 202 | C16H10 | 000129-00-0 | 58 |
| 4 | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10 | 000886-66-8 | 52 |
| 5 | 4,4'-Bis(tetrahydrothiopyran) | 202 | C10H18S2 | 116196-83-9 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

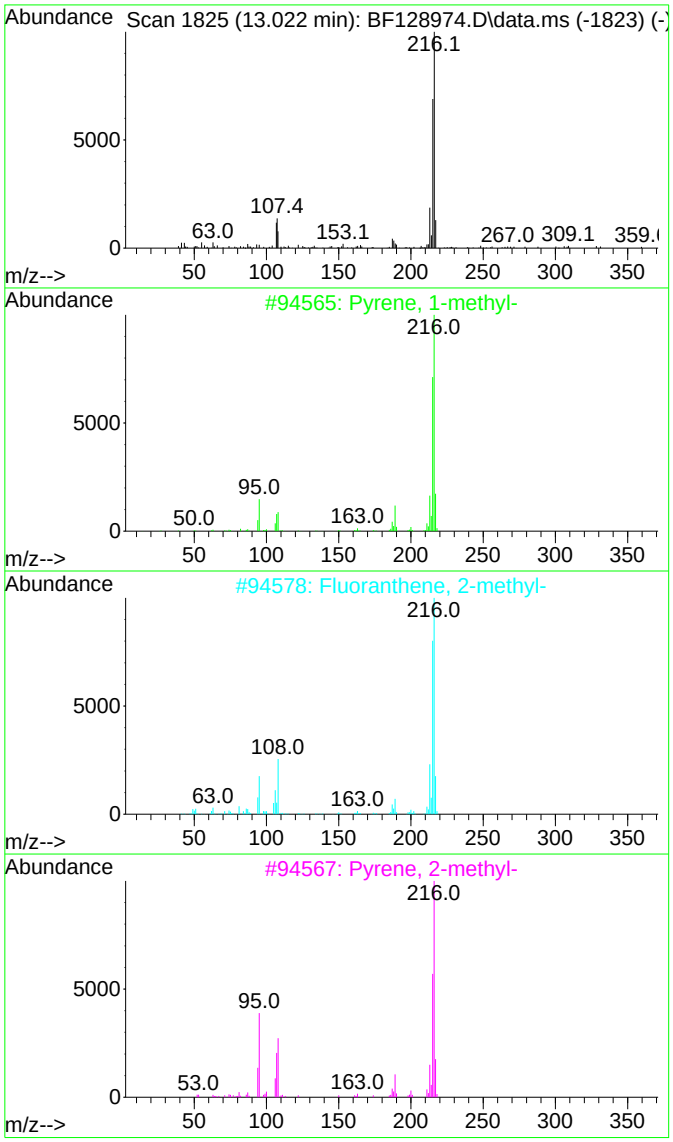
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

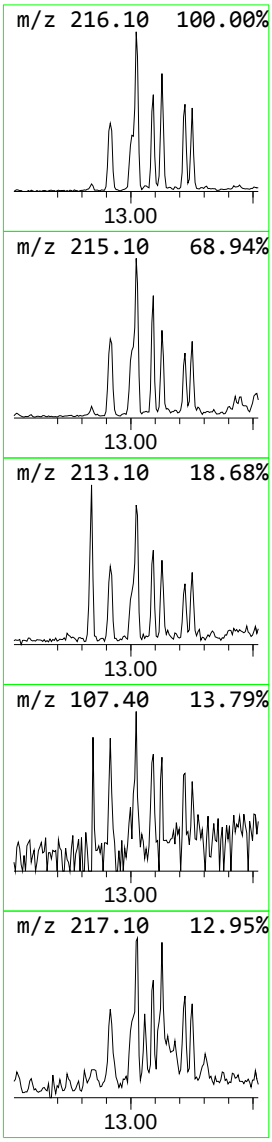
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.022 | 2.34 ng | 114075 | Chrysene-d12 | 13.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 72 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 64 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 64 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

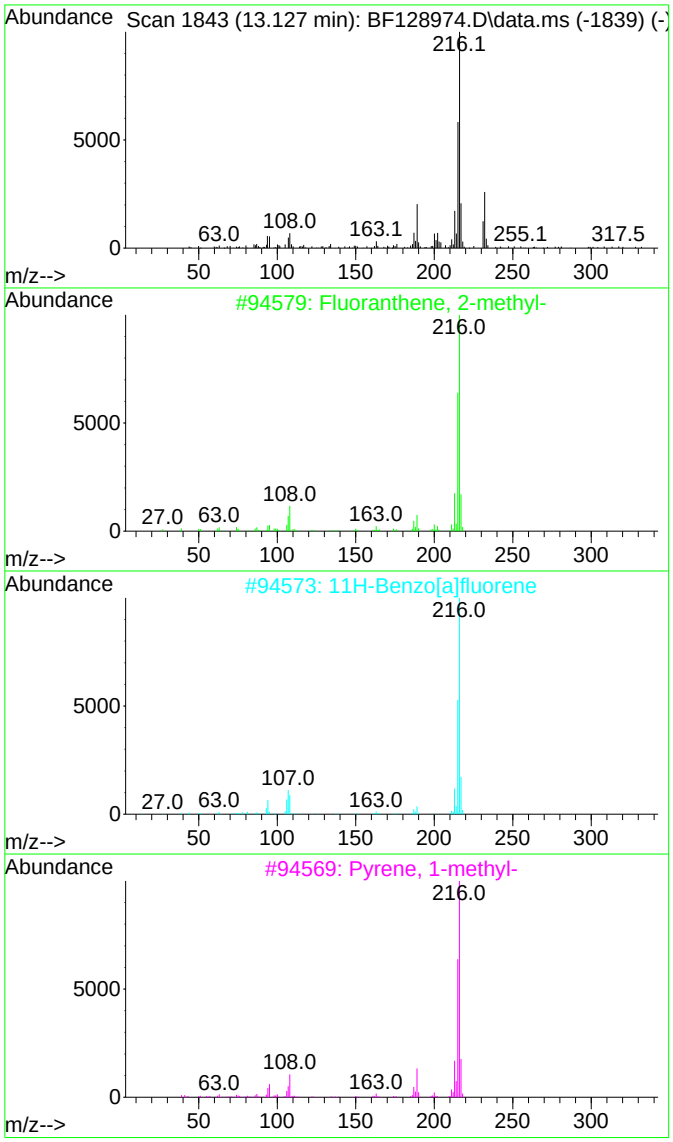
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

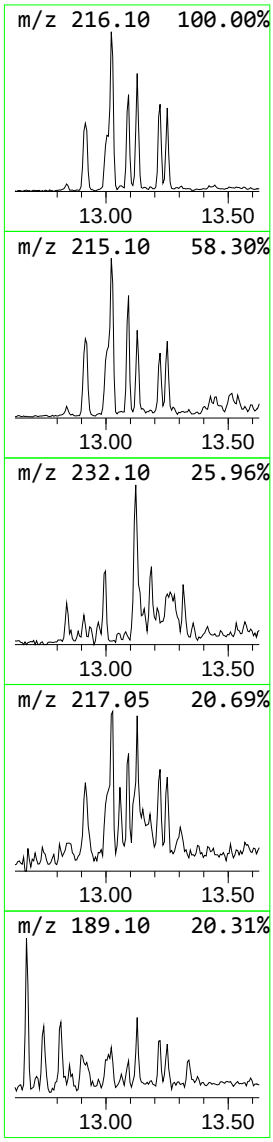
**********

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.127 | 2.01 ng | 98031 | Chrysene-d12 | 13.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 86 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 76 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 76 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

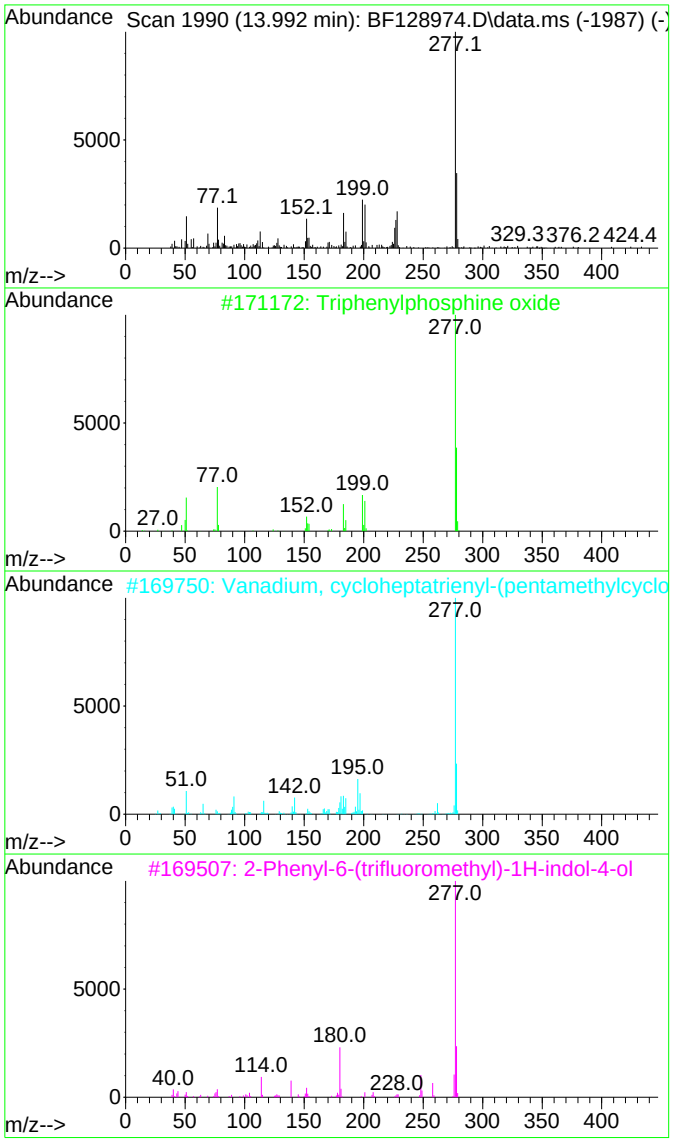
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

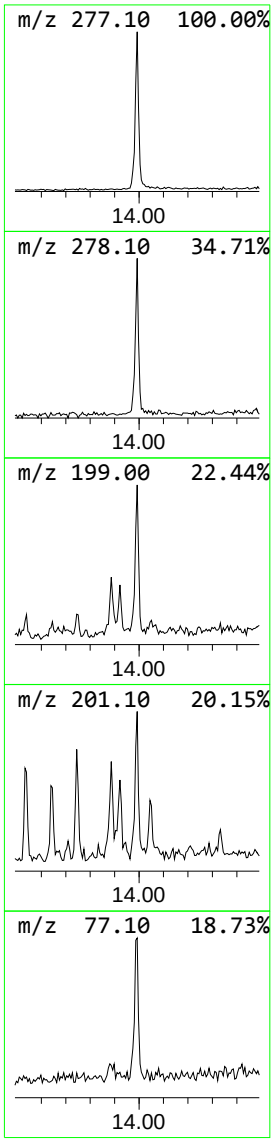
**********

Peak Number 17 Triphenylphosphine oxide Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.992 | 3.40 ng | 165941 | Chrysene-d12 | 13.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 97 |
| 2 | Vanadium, cycloheptatrienyl-(pen... | 277 | C17H22V | 1000155-20-5 | 43 |
| 3 | 2-Phenyl-6-(trifluoromethyl)-1H-... | 277 | C15H10F3NO | 1000387-59-3 | 37 |
| 4 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 37 |
| 5 | N-(4-Bromo-2,6-dimethylphenyl)-2... | 317 | C12H13BrClNO2 | 1000475-32-5 | 36 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

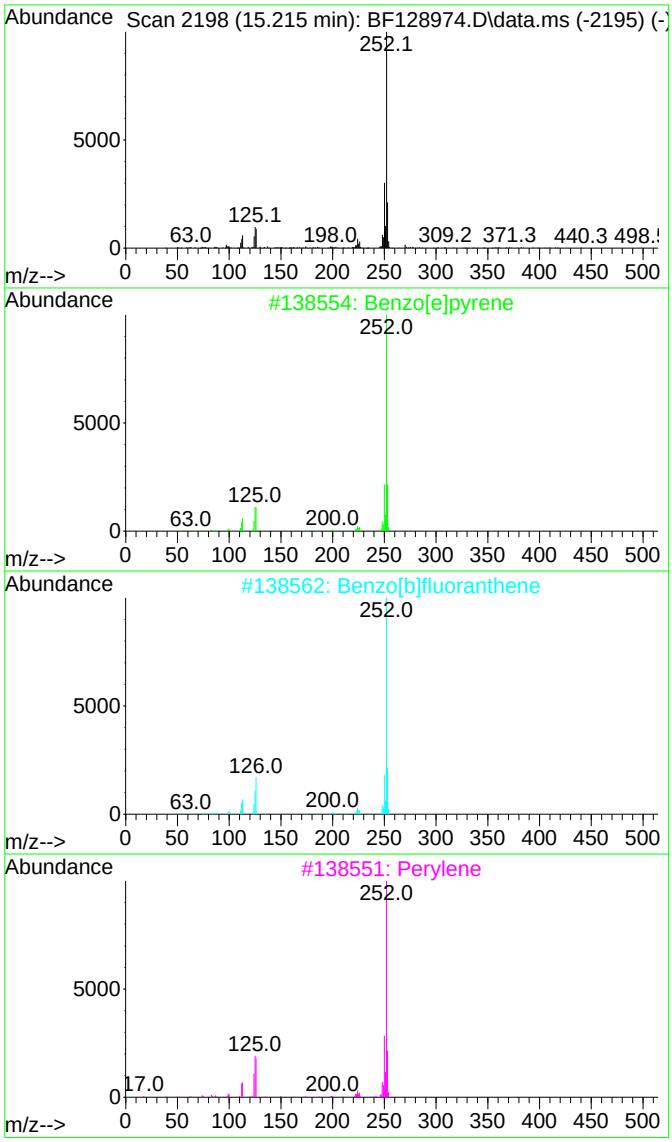
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

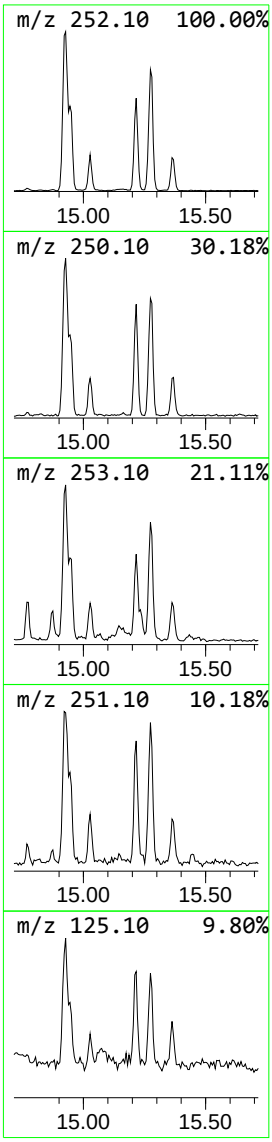
**********

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.216 | 19.15 ng | 296502 | Perylene-d12 | 15.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

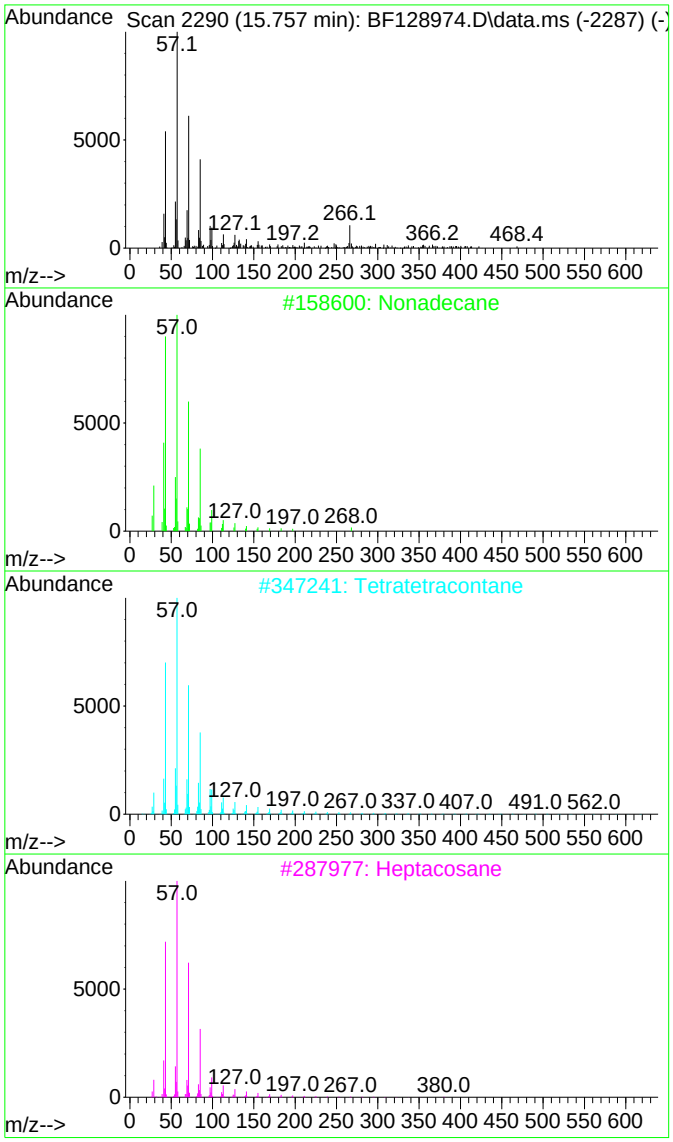
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

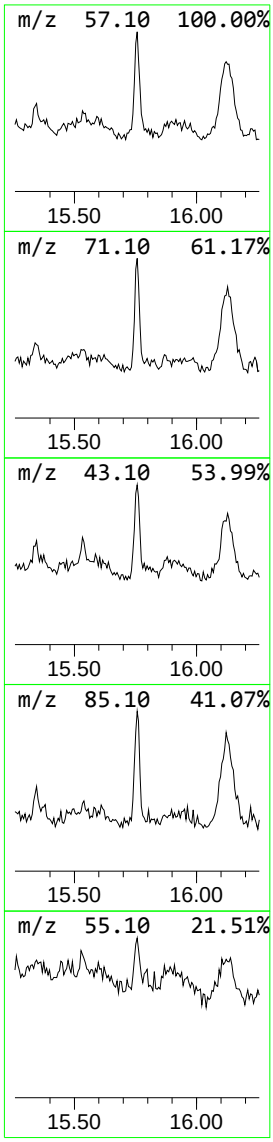
**********

Peak Number 19 Nonadecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.757 | 8.05 ng | 124649 | Perylene-d12 | 15.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 83 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 83 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128974.D
Acq On : 24 Jun 2022 01:56
Operator : CG\JU
Sample : N3468-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown10.675 | 10.675 | 2.1 | ng | 48533 | 4 | 11.251 | 462401 | 20.0 |
| 1,1'-Biphenyl, ... | 10.828 | 2.9 | ng | 67040 | 4 | 11.251 | 462401 | 20.0 |
| 2,2-Diphenylpro... | 11.022 | 2.8 | ng | 64241 | 4 | 11.251 | 462401 | 20.0 |
| 5H-Indeno[1,2-b... | 11.486 | 2.0 | ng | 46809 | 4 | 11.251 | 462401 | 20.0 |
| Phenanthrene, 1... | 11.751 | 3.3 | ng | 75171 | 4 | 11.251 | 462401 | 20.0 |
| 1H-Cyclopropa[l... | 11.780 | 6.5 | ng | 149253 | 4 | 11.251 | 462401 | 20.0 |
| 4H-Cyclopenta[d... | 11.863 | 7.5 | ng | 173411 | 4 | 11.251 | 462401 | 20.0 |
| unknown11.939 | 11.939 | 2.5 | ng | 58206 | 4 | 11.251 | 462401 | 20.0 |
| 5,16[1',2']:8,1... | 12.051 | 2.3 | ng | 52523 | 4 | 11.251 | 462401 | 20.0 |
| 9,10-Anthracene... | 12.080 | 3.0 | ng | 69050 | 4 | 11.251 | 462401 | 20.0 |
| Phenanthrene, 2... | 12.304 | 3.1 | ng | 72769 | 4 | 11.251 | 462401 | 20.0 |
| unknown12.339 | 12.339 | 2.6 | ng | 61274 | 4 | 11.251 | 462401 | 20.0 |
| Cyclopenta(def)... | 12.392 | 3.7 | ng | 84578 | 4 | 11.251 | 462401 | 20.0 |
| Pyridazine-3,6(... | 12.563 | 2.1 | ng | 47596 | 4 | 11.251 | 462401 | 20.0 |
| Pyrene, 1-methyl- | 13.022 | 2.3 | ng | 114075 | 5 | 13.898 | 975757 | 20.0 |
| Fluoranthene, 2... | 13.127 | 2.0 | ng | 98031 | 5 | 13.898 | 975757 | 20.0 |
| Triphenylphosph... | 13.992 | 3.4 | ng | 165941 | 5 | 13.898 | 975757 | 20.0 |
| Benzo[e]pyrene | 15.216 | 19.1 | ng | 296502 | 6 | 15.333 | 309684 | 20.0 |
| Nonadecane | 15.757 | 8.1 | ng | 124649 | 6 | 15.333 | 309684 | 20.0 |