LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-03-030722

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127267.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.493 | 542 | 545 | 554 | rBV | 455241 | 460147 | 12.68% | 2.293% |
| 2 | 6.510 | 714 | 718 | 726 | rBV | 464063 | 468865 | 12.92% | 2.336% |
| 3 | 6.881 | 777 | 781 | 784 | rBV | 775193 | 695052 | 19.16% | 3.464% |
| 4 | 7.440 | 872 | 876 | 879 | rBV | 377948 | 299725 | 8.26% | 1.494% |
| 5 | 8.163 | 995 | 999 | 1002 | rBV | 1079142 | 859529 | 23.69% | 4.283% |
| 6 | 9.234 | 1178 | 1181 | 1188 | rVB | 626183 | 482012 | 13.28% | 2.402% |
| 7 | 9.922 | 1294 | 1298 | 1301 | rBV | 862856 | 669790 | 18.46% | 3.338% |
| 8 | 9.951 | 1301 | 1303 | 1308 | rVB | 74931 | 61667 | 1.70% | 0.307% |
| 9 | 10.339 | 1361 | 1369 | 1372 | rBV4 | 27642 | 38437 | 1.06% | 0.192% |
| 10 | 10.469 | 1385 | 1391 | 1397 | rVB | 54648 | 54298 | 1.50% | 0.271% |
| 11 | 10.710 | 1429 | 1432 | 1436 | rBV | 227805 | 206563 | 5.69% | 1.029% |
| 12 | 10.810 | 1447 | 1449 | 1453 | rBV3 | 23321 | 38436 | 1.06% | 0.192% |
| 13 | 11.416 | 1548 | 1552 | 1554 | rBV | 670978 | 623211 | 17.18% | 3.106% |
| 14 | 11.439 | 1554 | 1556 | 1559 | rVV | 432146 | 338026 | 9.32% | 1.684% |
| 15 | 11.486 | 1562 | 1564 | 1567 | rVB | 108081 | 87309 | 2.41% | 0.435% |
| 16 | 11.645 | 1584 | 1591 | 1595 | rBV | 50639 | 61723 | 1.70% | 0.308% |
| 17 | 11.792 | 1613 | 1616 | 1620 | rBV | 1156477 | 900597 | 24.82% | 4.488% |
| 18 | 11.916 | 1632 | 1637 | 1639 | rBV | 64806 | 62302 | 1.72% | 0.310% |
| 19 | 11.945 | 1639 | 1642 | 1645 | rVB | 81576 | 74453 | 2.05% | 0.371% |
| 20 | 12.027 | 1653 | 1656 | 1659 | rBV2 | 181760 | 182910 | 5.04% | 0.911% |
| 21 | 12.210 | 1681 | 1687 | 1690 | rBV2 | 55964 | 63429 | 1.75% | 0.316% |
| 22 | 12.239 | 1690 | 1692 | 1697 | rVB2 | 55665 | 45853 | 1.26% | 0.228% |
| 23 | 12.486 | 1726 | 1734 | 1736 | rBV | 3744808 | 3628256 | 100.00% | 18.080% |
| 24 | 12.504 | 1736 | 1737 | 1743 | rVV2 | 2210721 | 1830230 | 50.44% | 9.120% |
| 25 | 12.557 | 1743 | 1746 | 1748 | rVV | 70504 | 72663 | 2.00% | 0.362% |
| 26 | 12.586 | 1748 | 1751 | 1755 | rVB | 487184 | 383206 | 10.56% | 1.910% |
| 27 | 12.633 | 1755 | 1759 | 1762 | rBV | 1398117 | 1142386 | 31.49% | 5.693% |
| 28 | 12.786 | 1777 | 1785 | 1787 | rBV2 | 52384 | 91755 | 2.53% | 0.457% |
| 29 | 12.863 | 1791 | 1798 | 1803 | rVV | 1108024 | 1222461 | 33.69% | 6.092% |
| 30 | 12.910 | 1803 | 1806 | 1810 | rVB2 | 46070 | 50338 | 1.39% | 0.251% |
| 31 | 12.998 | 1815 | 1821 | 1823 | rBV2 | 404099 | 360520 | 9.94% | 1.797% |
| 32 | 13.022 | 1823 | 1825 | 1828 | rVB | 48633 | 45640 | 1.26% | 0.227% |
| 33 | 13.074 | 1830 | 1834 | 1838 | rBV2 | 60843 | 108130 | 2.98% | 0.539% |
| 34 | 13.186 | 1846 | 1853 | 1856 | rBV | 163276 | 231685 | 6.39% | 1.155% |
| 35 | 13.257 | 1862 | 1865 | 1867 | rVB | 129042 | 103056 | 2.84% | 0.514% |
| 36 | 13.292 | 1867 | 1871 | 1873 | rVV2 | 76576 | 90642 | 2.50% | 0.452% |

LSC Area Percent Report

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Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.316 | 1873 | 1875 | 1879 | rVB2 | 71047 | 61089 | 1.68% | 0.304% |
| 38 | 13.386 | 1884 | 1887 | 1890 | rBV | 55091 | 55722 | 1.54% | 0.278% |
| 39 | 13.421 | 1890 | 1893 | 1899 | rVB3 | 69326 | 95157 | 2.62% | 0.474% |
| 40 | 13.698 | 1938 | 1940 | 1944 | rVB2 | 31845 | 37364 | 1.03% | 0.186% |
| 41 | 13.810 | 1956 | 1959 | 1961 | rBV | 73815 | 66102 | 1.82% | 0.329% |
| 42 | 13.839 | 1961 | 1964 | 1966 | rVV | 65898 | 60512 | 1.67% | 0.302% |
| 43 | 13.863 | 1966 | 1968 | 1974 | rVV2 | 73512 | 93328 | 2.57% | 0.465% |
| 44 | 13.980 | 1986 | 1988 | 1992 | rVB2 | 54351 | 47992 | 1.32% | 0.239% |
| 45 | 14.063 | 1997 | 2002 | 2004 | rVV2 | 640011 | 921763 | 25.41% | 4.593% |
| 46 | 14.086 | 2004 | 2006 | 2013 | rVB | 440955 | 409888 | 11.30% | 2.043% |
| 47 | 14.168 | 2014 | 2020 | 2023 | rBV2 | 145649 | 197425 | 5.44% | 0.984% |
| 48 | 14.598 | 2091 | 2093 | 2096 | rVB2 | 66525 | 56273 | 1.55% | 0.280% |
| 49 | 15.115 | 2177 | 2181 | 2184 | rBV | 309844 | 449045 | 12.38% | 2.238% |
| 50 | 15.427 | 2231 | 2234 | 2240 | rVB | 184183 | 231240 | 6.37% | 1.152% |
| 51 | 15.492 | 2241 | 2245 | 2251 | rVB | 312230 | 397244 | 10.95% | 1.980% |
| 52 | 15.557 | 2252 | 2256 | 2259 | rBV | 257666 | 331010 | 9.12% | 1.650% |
| 53 | 15.586 | 2259 | 2261 | 2268 | rVB | 83288 | 112513 | 3.10% | 0.561% |
| 54 | 17.074 | 2509 | 2514 | 2520 | rVB2 | 95292 | 178460 | 4.92% | 0.889% |
| 55 | 17.533 | 2588 | 2592 | 2598 | rBV | 76437 | 129821 | 3.58% | 0.647% |

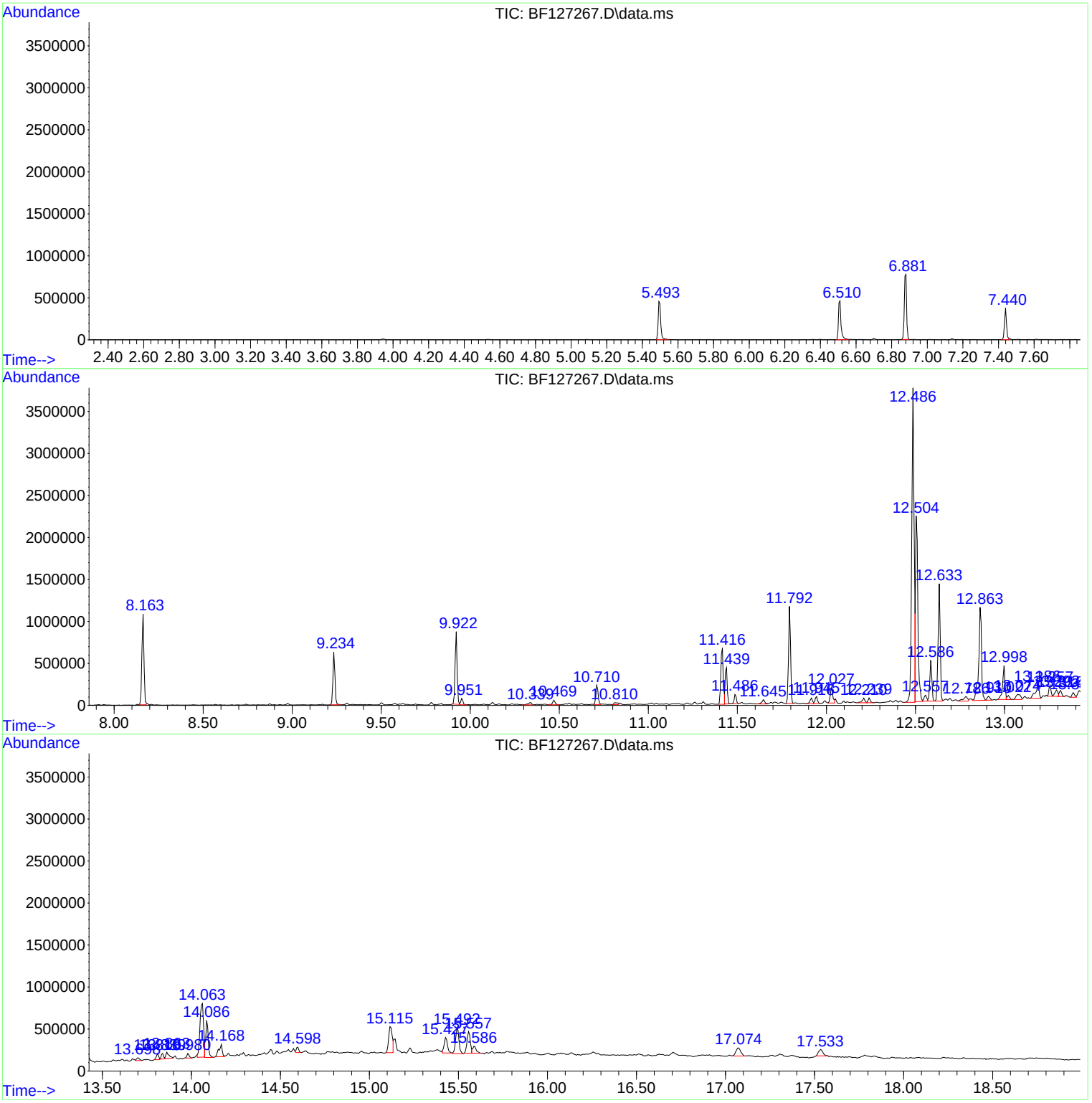
Sum of corrected areas: 20067250

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
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Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

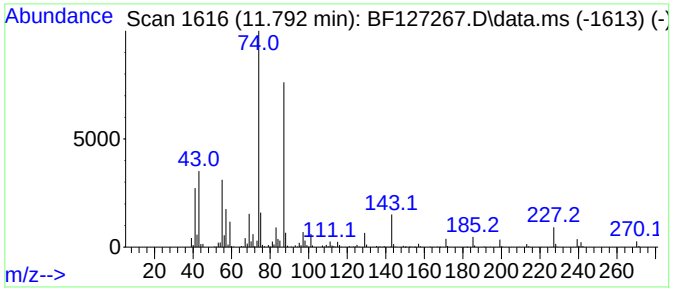
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

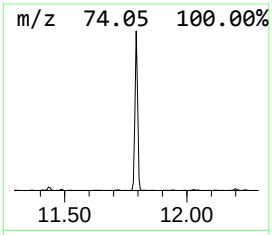
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

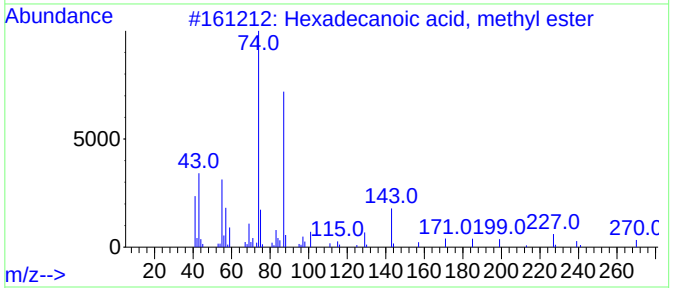
**********
Peak Number 1 Hexadecanoic acid, methyl e... Concentration Rank 3

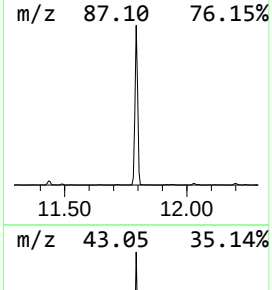
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.792 | 28.90 ng | 900597 | Phenanthrene-d10 | 11.416 |

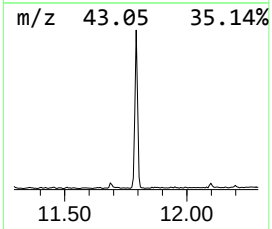
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 93 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 83 |

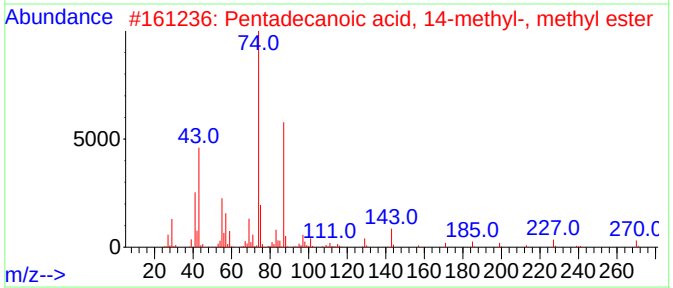


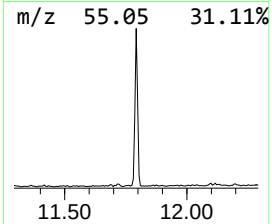



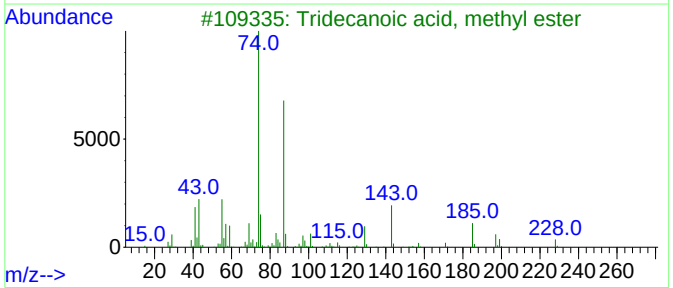



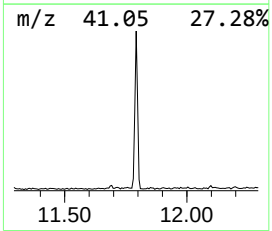



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

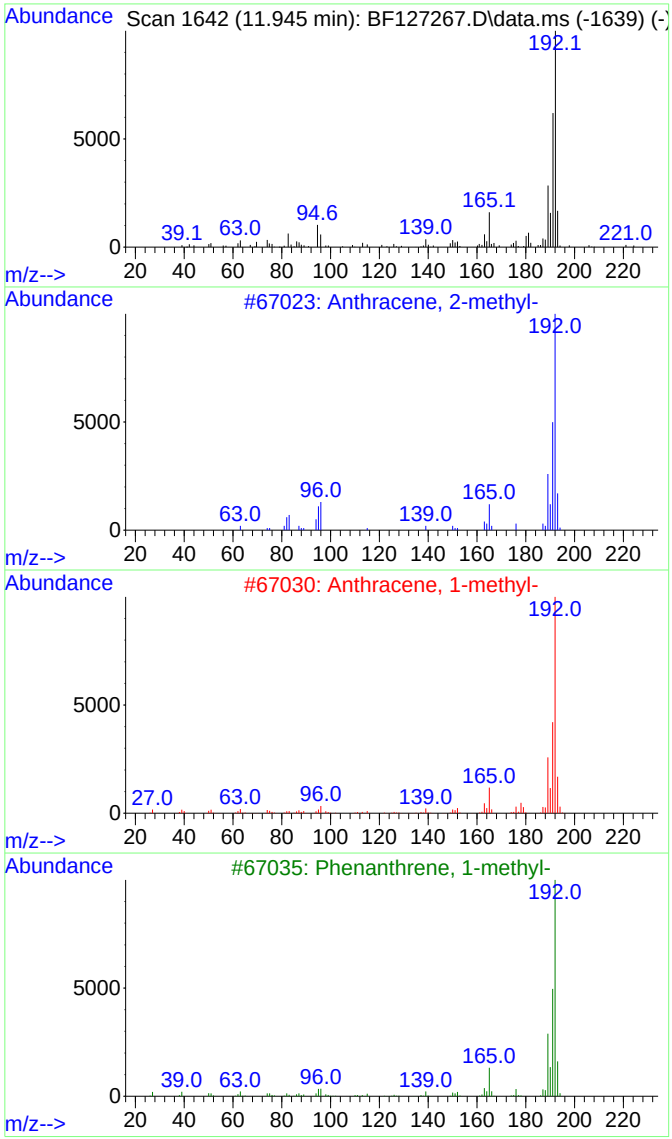
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

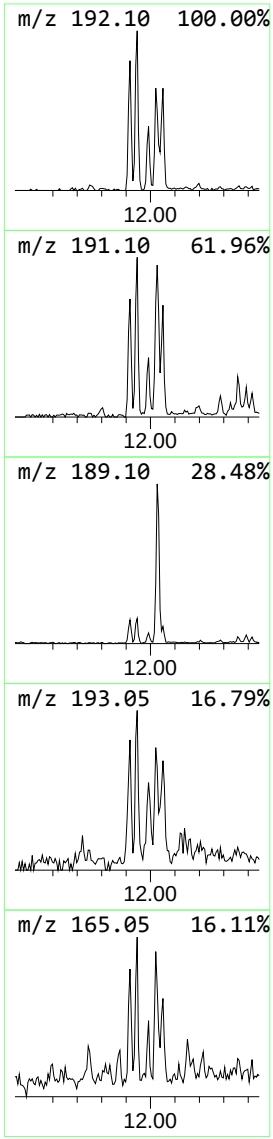
**********

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.945 | 2.39 ng | 74453 | Phenanthrene-d10 | 11.416 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

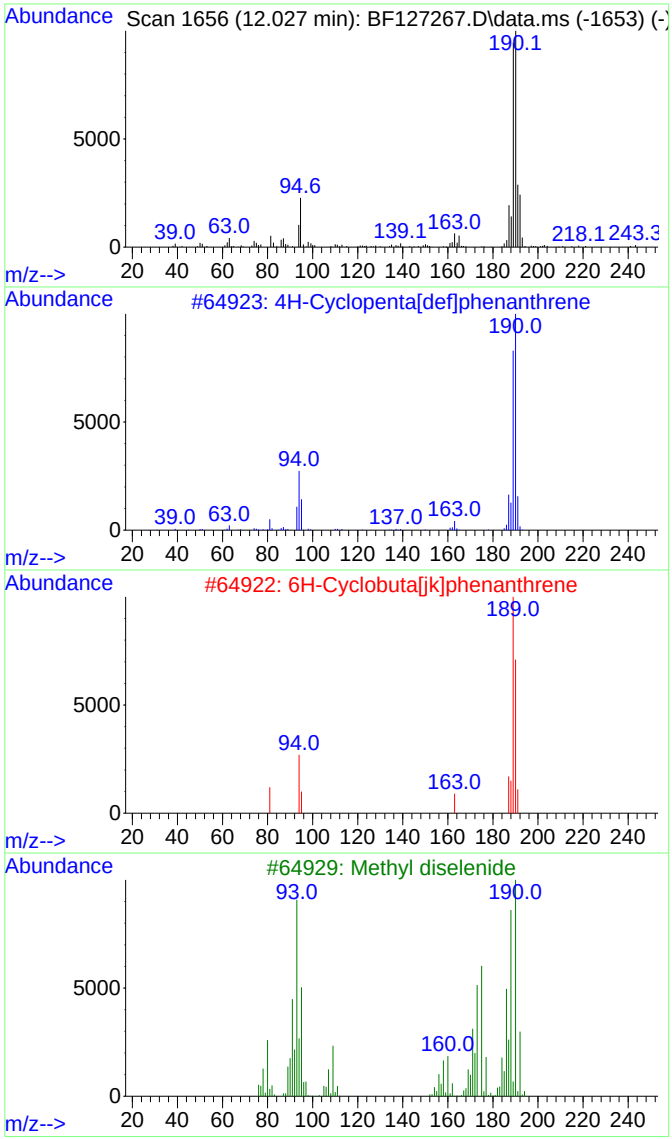
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

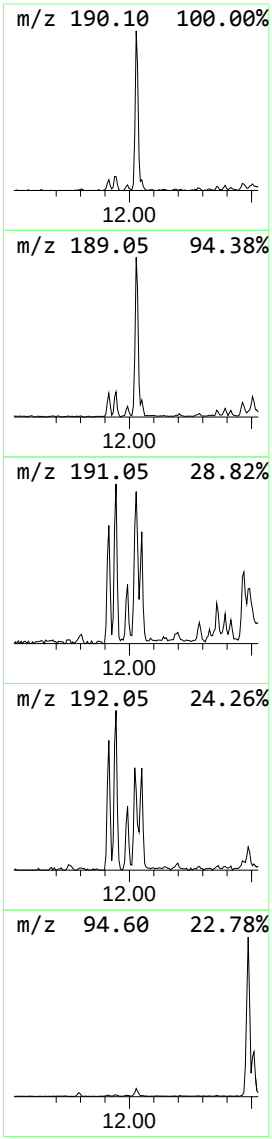
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.027 | 5.87 ng | 182910 | Phenanthrene-d10 | 11.416 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 49 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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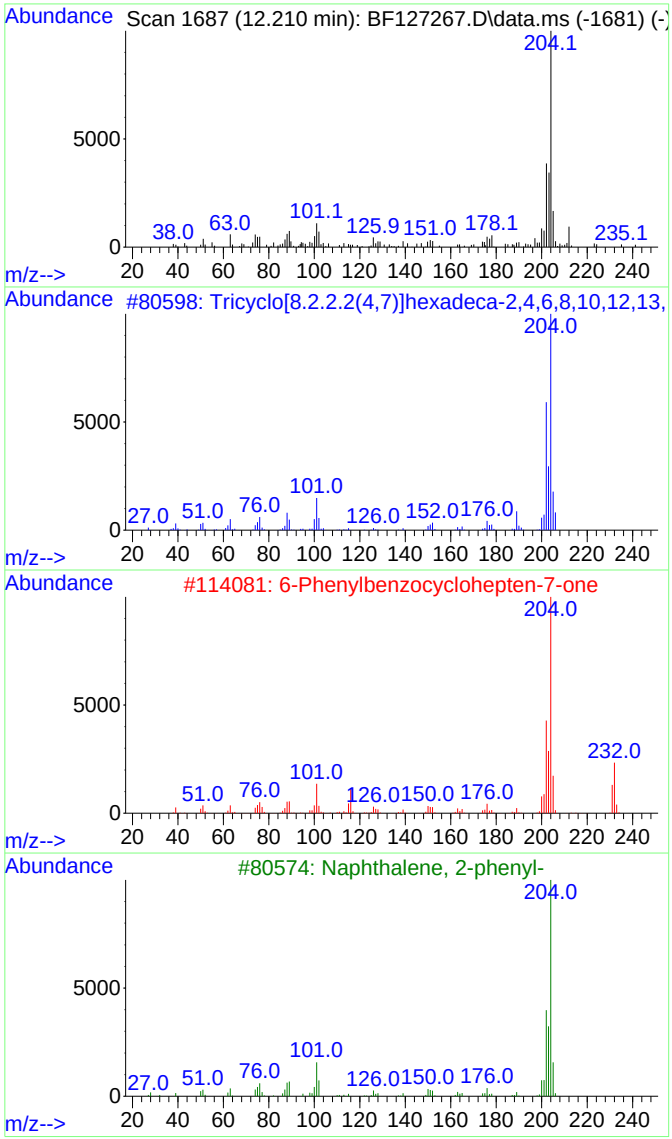
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

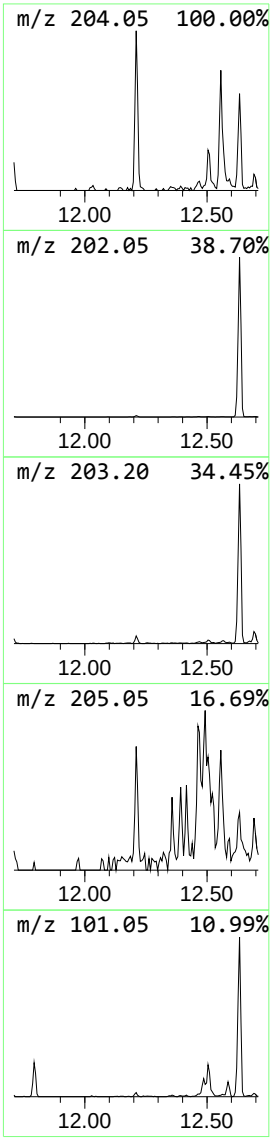
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.210 | 2.04 ng | 63429 | Phenanthrene-d10 | 11.416 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 83 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 80 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 78 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 55 |
| 5 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

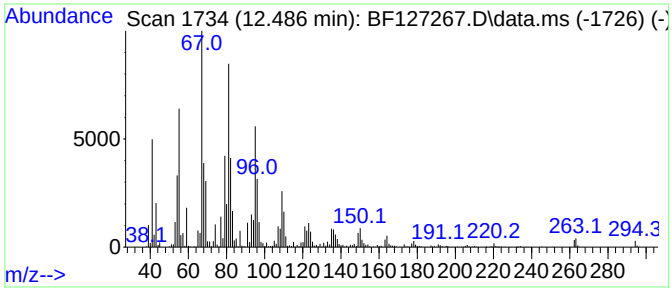
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

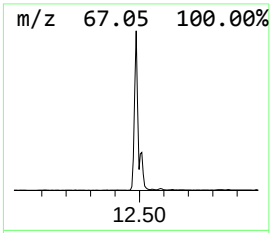
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

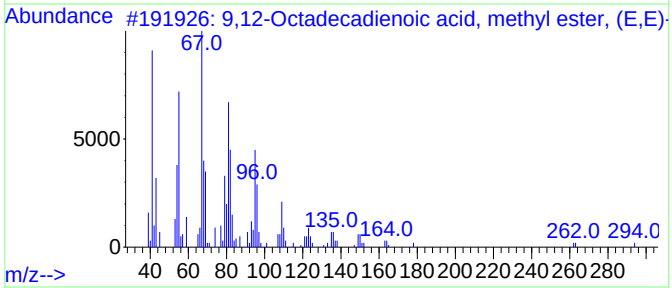
**********
Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 1

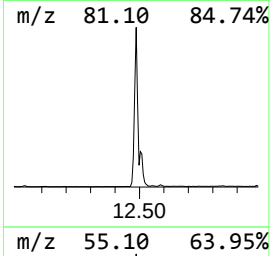
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.486 | 116.44 ng | 3628260 | Phenanthrene-d10 | 11.416 |

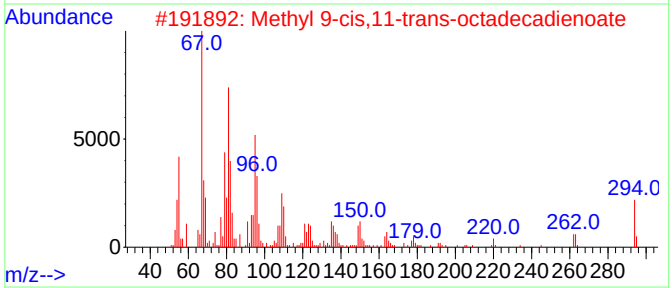
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 2 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 013058-52-1 | 99 |
| 3 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 99 |
| 4 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 5 | 9,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 013038-47-6 | 99 |

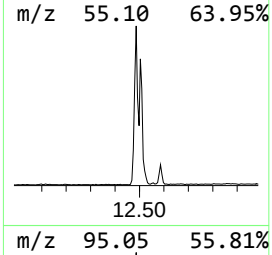


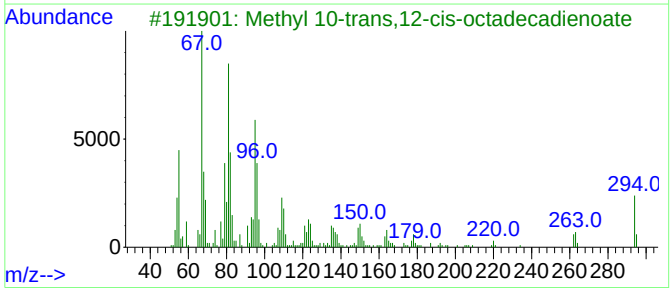



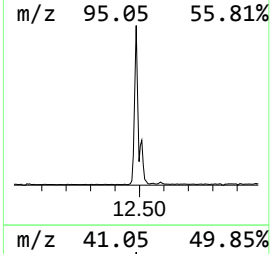



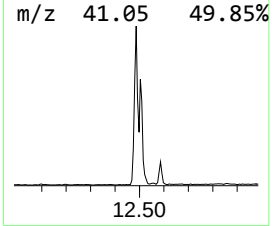



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

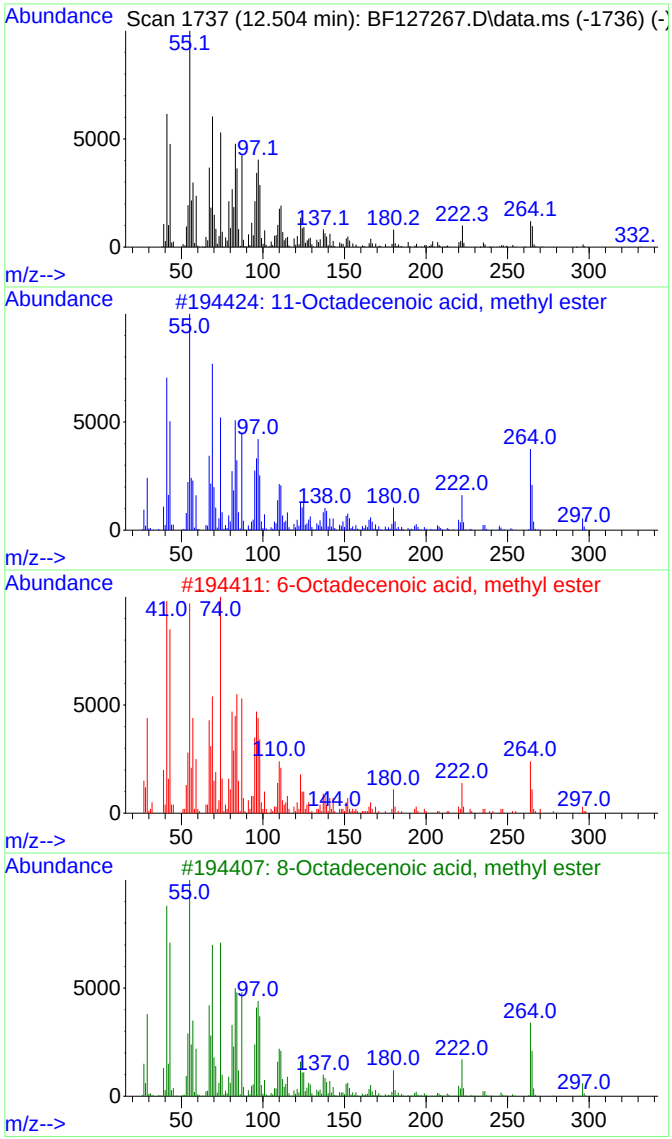
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

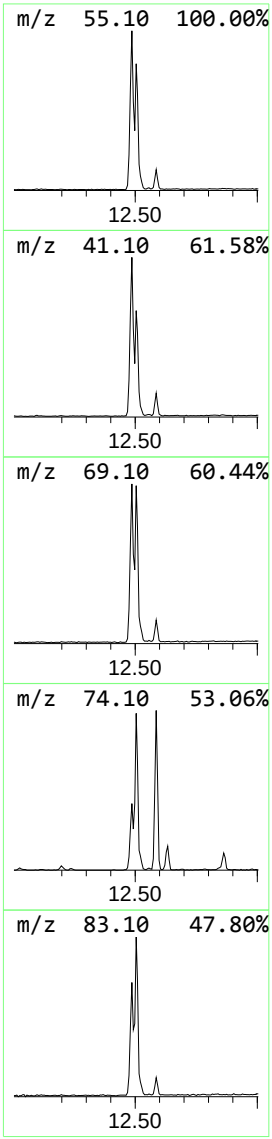
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 11-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.504 | 58.74 ng | 1830230 | Phenanthrene-d10 | 11.416 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 99 |
| 2 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 99 |
| 3 | 8-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002345-29-1 | 99 |
| 4 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 99 |
| 5 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

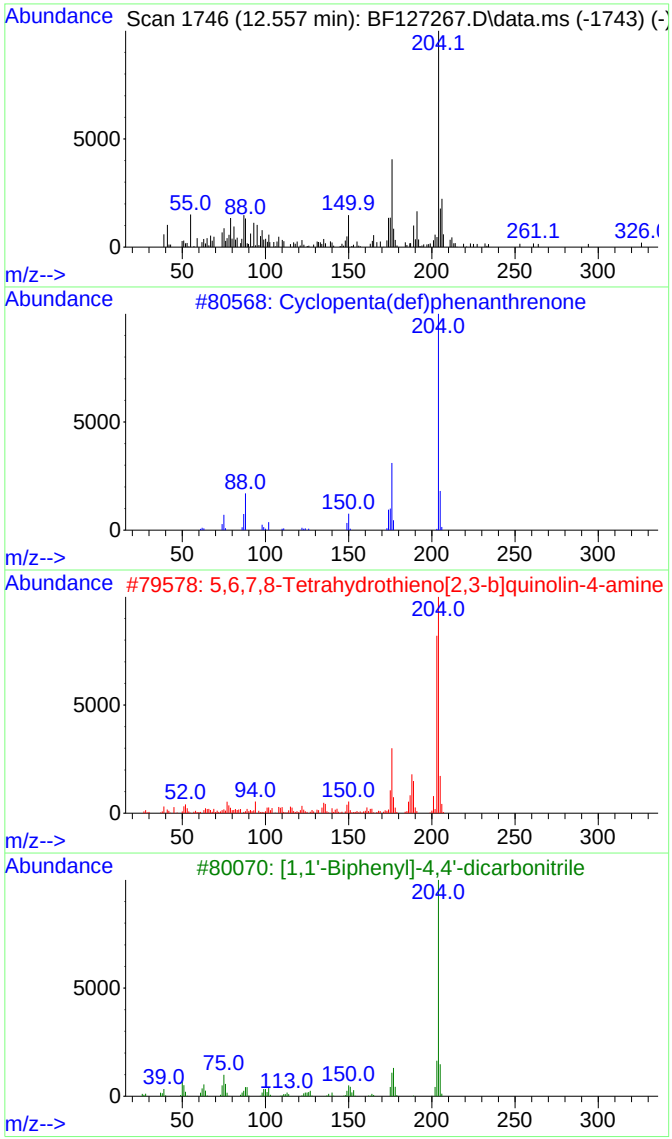
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

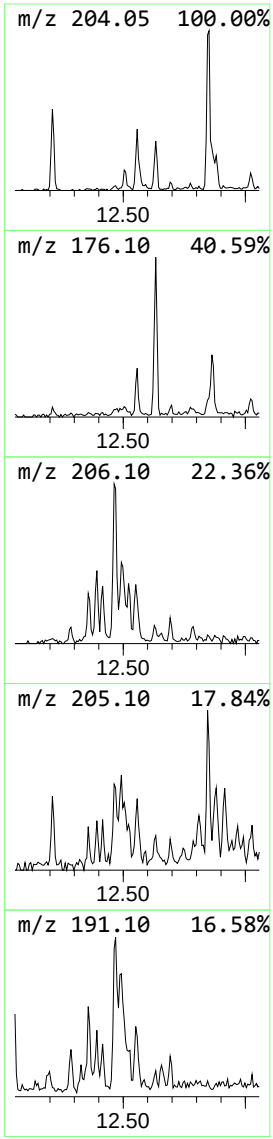
**********

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.557 | 2.33 ng | 72663 | Phenanthrene-d10 | 11.416 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 89 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 53 |
| 3 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 49 |
| 4 | 2-Chloro-4-phenylphenol | 204 | C12H9ClO | 000092-04-6 | 43 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

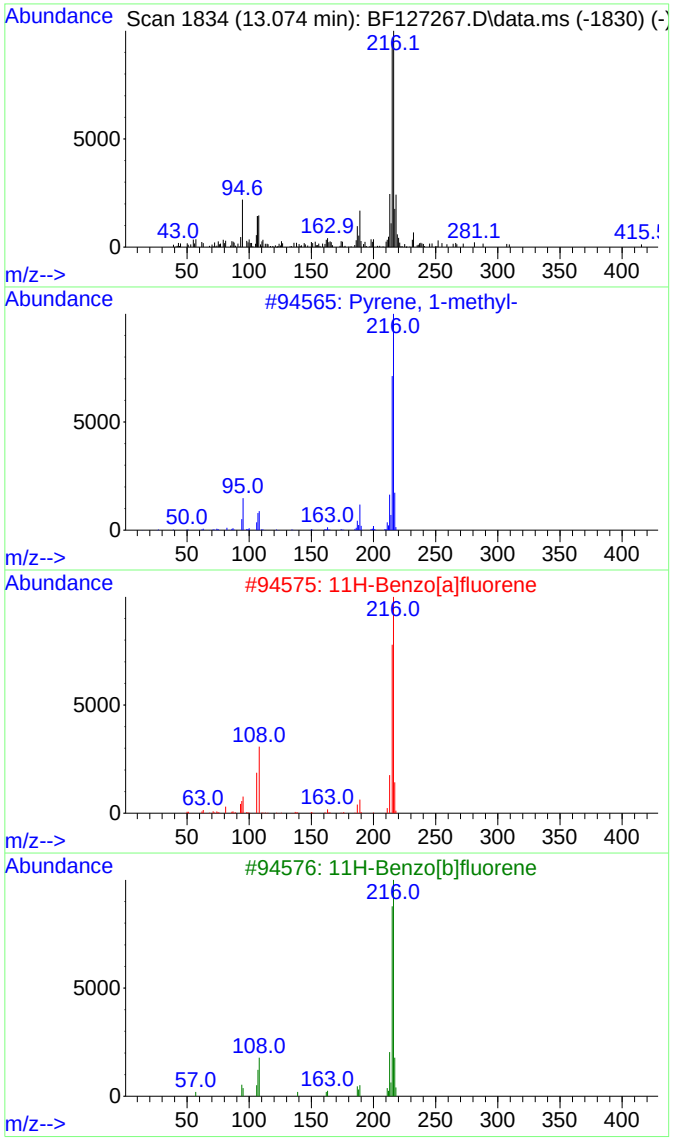
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

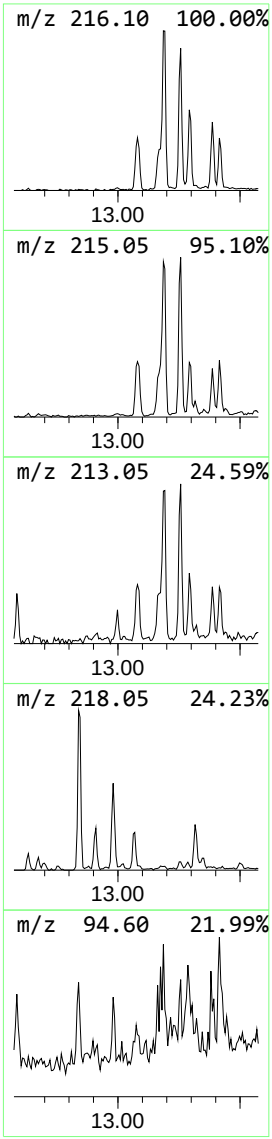
**********

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.074 | 2.35 ng | 108130 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 89 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 70 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 60 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

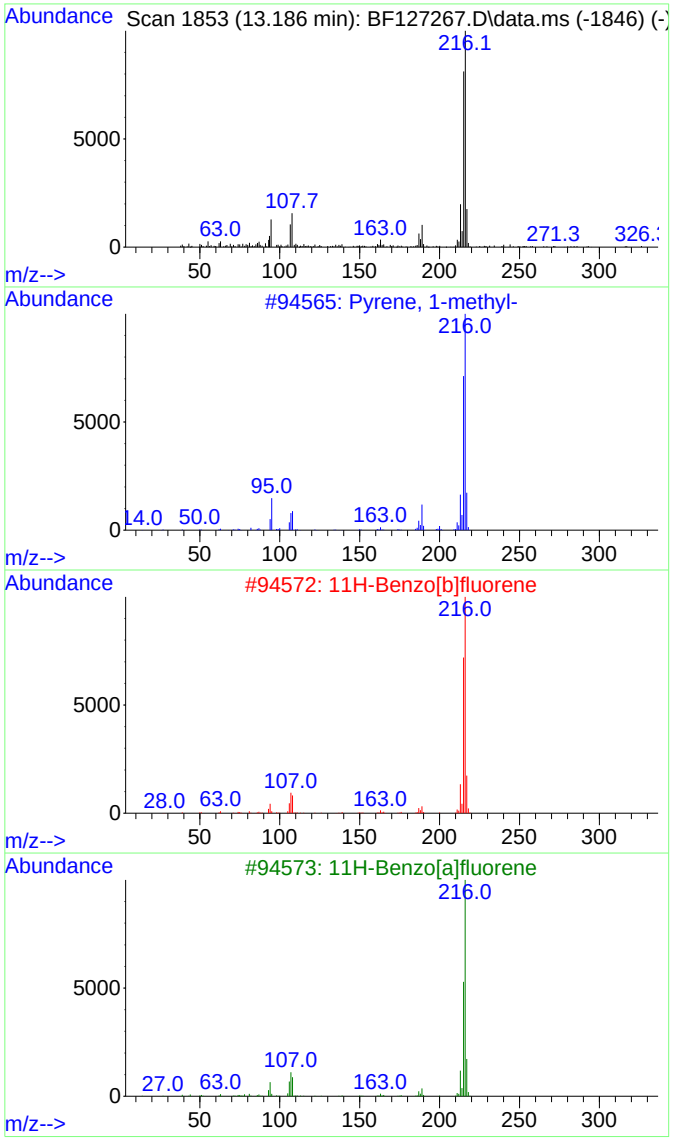
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

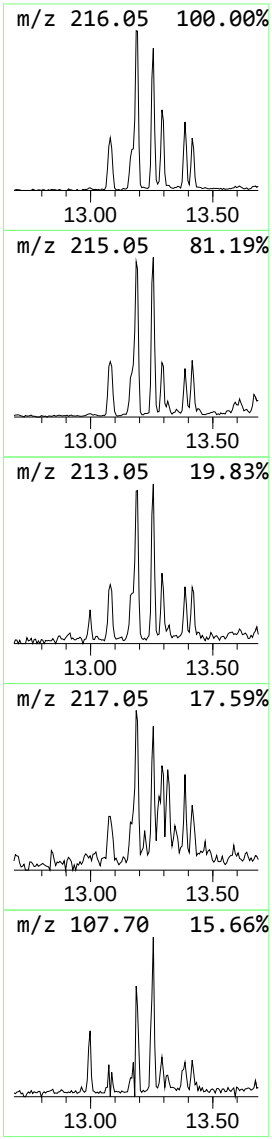
**********

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.186 | 5.03 ng | 231685 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 97 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 94 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

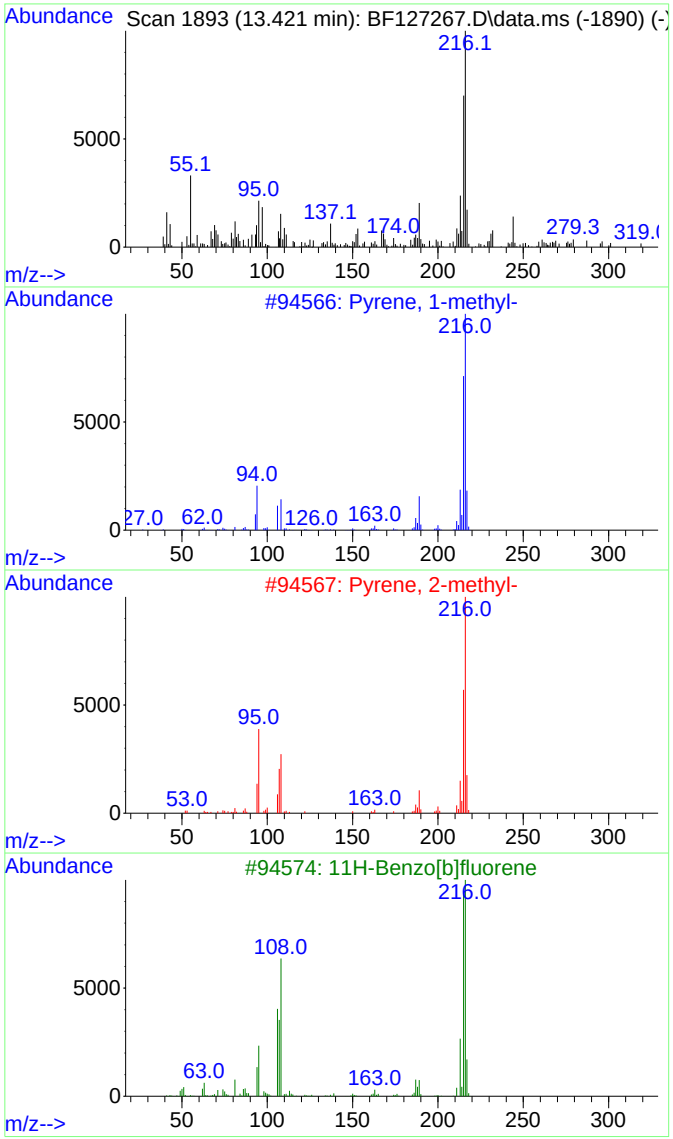
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

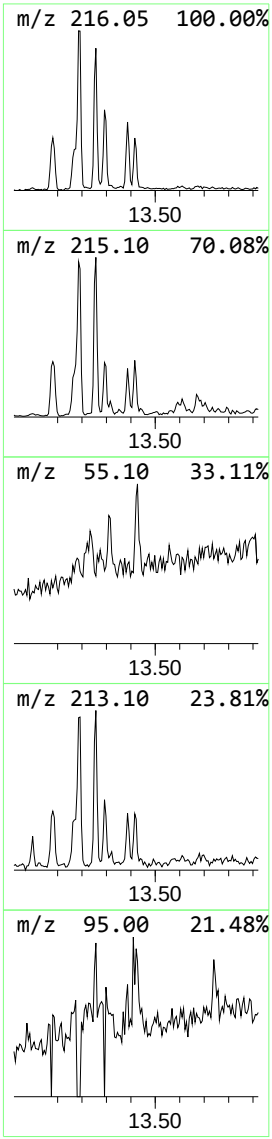
**********

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.422 | 2.06 ng | 95157 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 81 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 70 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 70 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

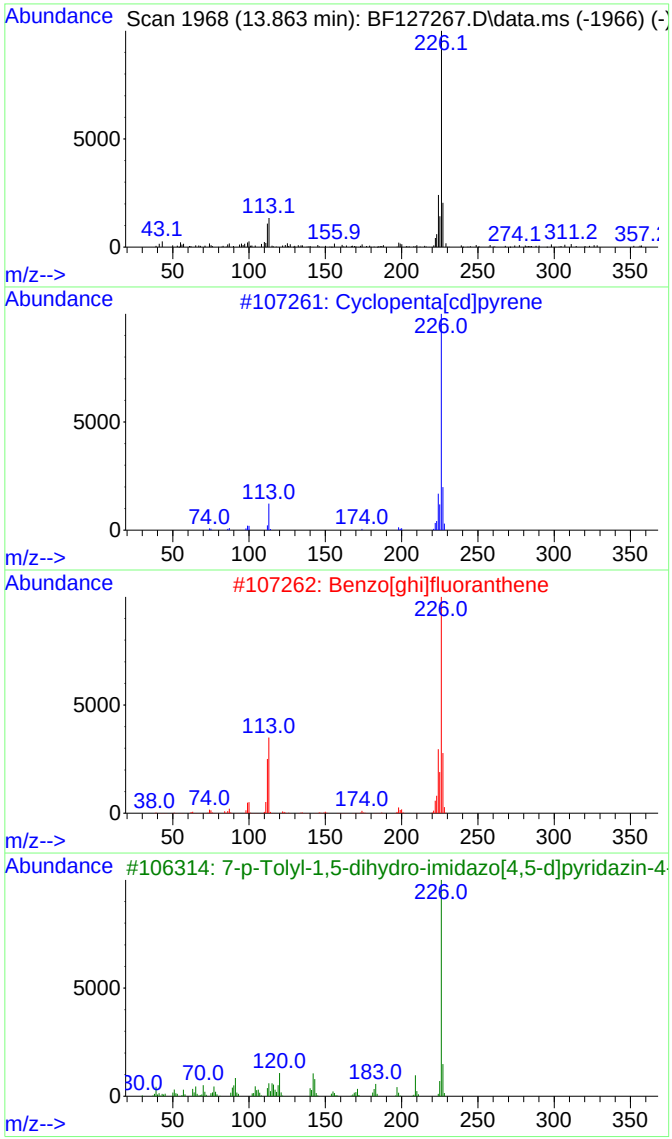
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

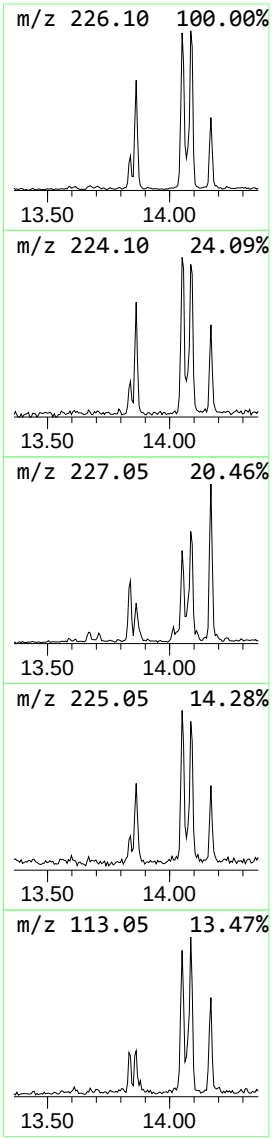
**********

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.863 | 2.02 ng | 93328 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 93 |
| 2 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 90 |
| 3 | 7-p-Tolyl-1,5-dihydro-imidazo[4,... | 226 | C12H10N4O | 1000317-75-5 | 53 |
| 4 | 1,3-Diamino-5,6-dihydro-7-methyl... | 226 | C13H14N4 | 037436-37-6 | 53 |
| 5 | 9H-Xanthen-9-one, 3-methoxy- | 226 | C14H10O3 | 003722-52-9 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

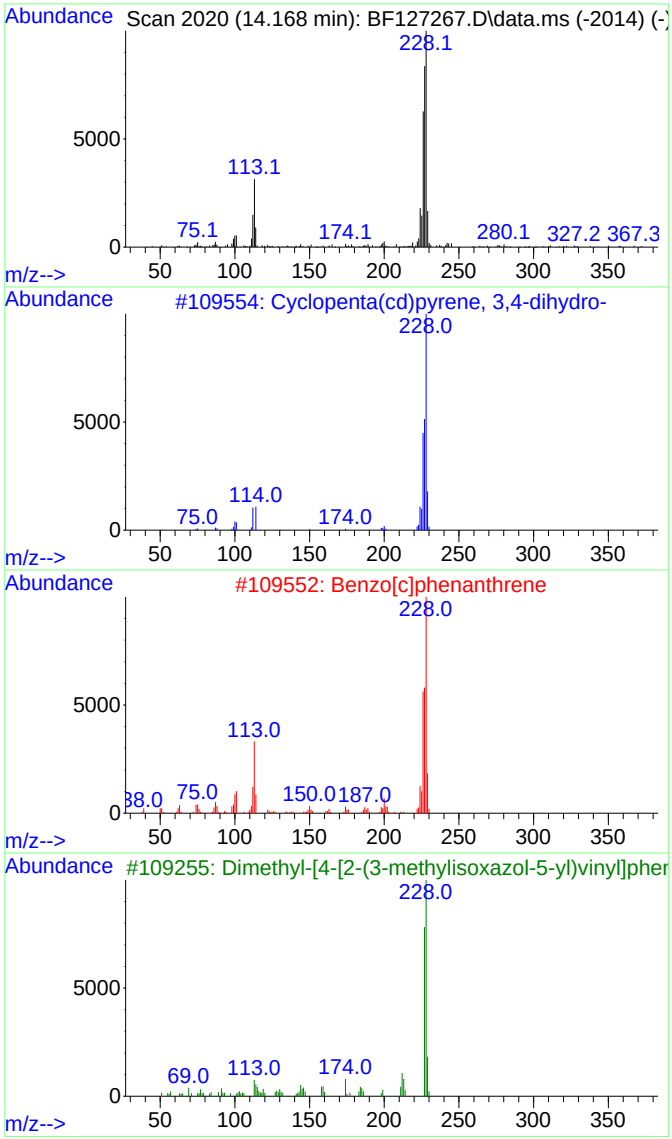
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

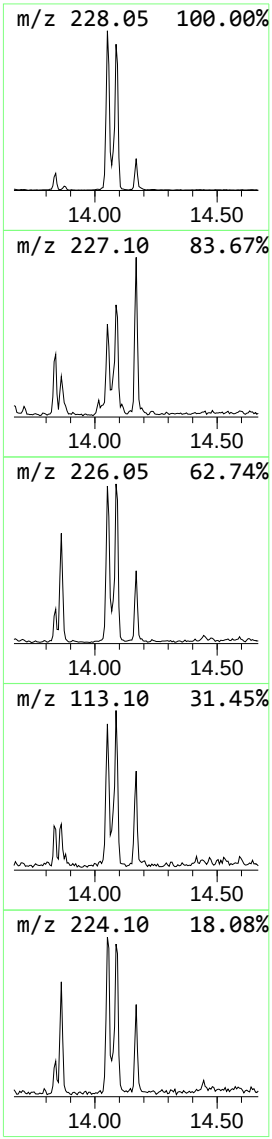
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.169 | 4.28 ng | 197425 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 87 |
| 2 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 58 |
| 3 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 50 |
| 4 | 5-Phenylthieno[2,3-d]pyrimidin-4-ol | 228 | C12H8N2OS | 035978-39-3 | 50 |
| 5 | Diphenylvinylphosphine oxide | 228 | C14H13OP | 002096-78-8 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

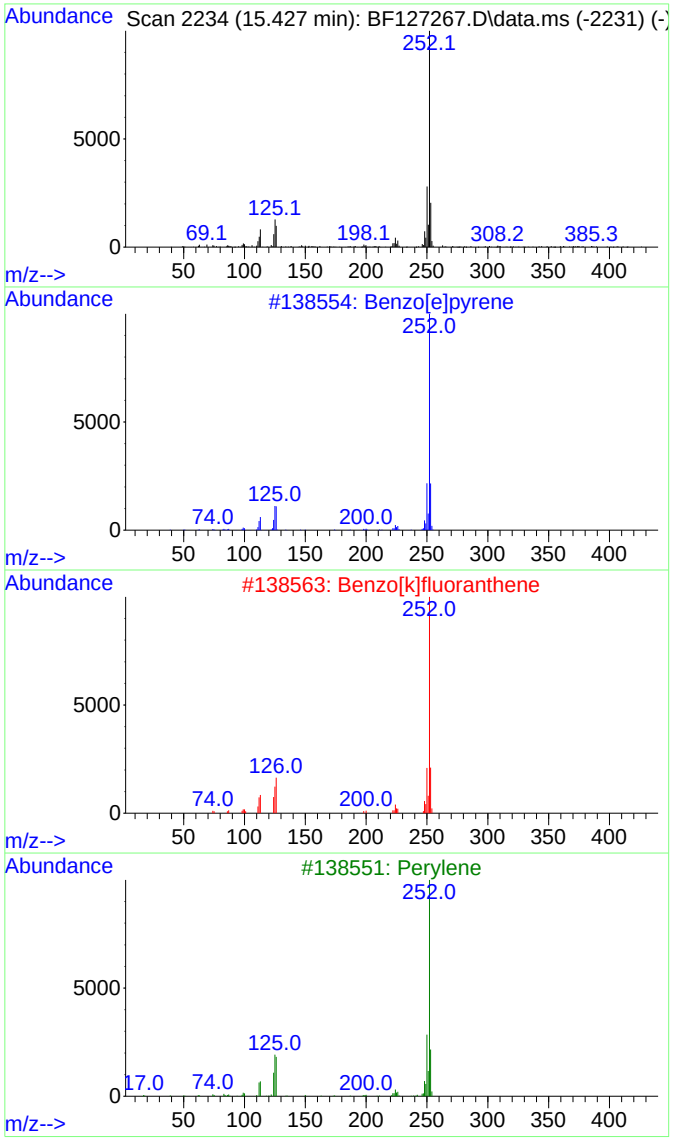
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

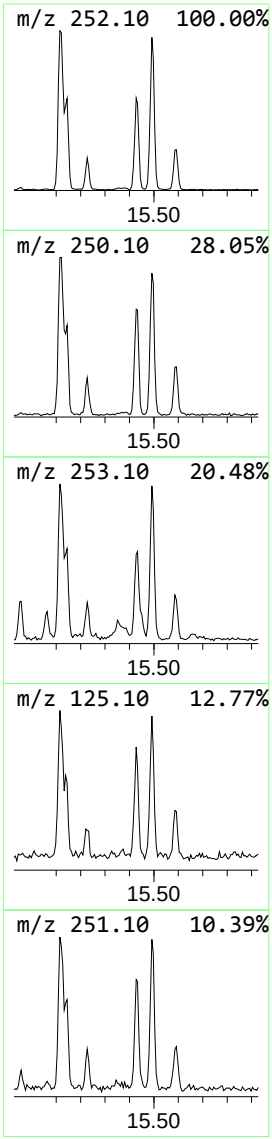
**********

Peak Number 14 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.427 | 13.97 ng | 231240 | Perylene-d12 | 15.557 |

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



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127267.D
Acq On : 08 Mar 2022 19:28
Operator : CG\JU
Sample : N1829-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-03-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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 |
| Hexadecanoic ac... | 11.792 | 28.9 | ng | 900597 | 4 | 11.416 | 623211 | 20.0 |
| Anthracene, 2-m... | 11.945 | 2.4 | ng | 74453 | 4 | 11.416 | 623211 | 20.0 |
| 4H-Cyclopenta[d... | 12.027 | 5.9 | ng | 182910 | 4 | 11.416 | 623211 | 20.0 |
| Tricyclo[8.2.2.... | 12.210 | 2.0 | ng | 63429 | 4 | 11.416 | 623211 | 20.0 |
| 9,12-Octadecadi... | 12.486 | 116.4 | ng | 3628260 | 4 | 11.416 | 623211 | 20.0 |
| 11-Octadecenoic... | 12.504 | 58.7 | ng | 1830230 | 4 | 11.416 | 623211 | 20.0 |
| Cyclopenta(def)... | 12.557 | 2.3 | ng | 72663 | 4 | 11.416 | 623211 | 20.0 |
| Pyrene, 1-methyl- | 13.074 | 2.4 | ng | 108130 | 5 | 14.063 | 921763 | 20.0 |
| 11H-Benzo[b]flu... | 13.186 | 5.0 | ng | 231685 | 5 | 14.063 | 921763 | 20.0 |
| Pyrene, 2-methyl- | 13.422 | 2.1 | ng | 95157 | 5 | 14.063 | 921763 | 20.0 |
| Cyclopenta[cd]p... | 13.863 | 2.0 | ng | 93328 | 5 | 14.063 | 921763 | 20.0 |
| Cyclopenta(cd)p... | 14.169 | 4.3 | ng | 197425 | 5 | 14.063 | 921763 | 20.0 |
| Benzo[e]pyrene | 15.427 | 14.0 | ng | 231240 | 6 | 15.557 | 331010 | 20.0 |