LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-7-(291.00)

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125216.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.216 | 16 | 22 | 28 | rBV | 907661 | 1051497 | 21.66% | 1.396% |
| 2 | 5.134 | 514 | 518 | 525 | rVB2 | 192405 | 243837 | 5.02% | 0.324% |
| 3 | 5.534 | 575 | 586 | 589 | rBV | 3540761 | 3412104 | 70.29% | 4.531% |
| 4 | 6.534 | 751 | 756 | 759 | rBV | 3607459 | 3313191 | 68.25% | 4.400% |
| 5 | 6.739 | 788 | 791 | 795 | rBV3 | 85158 | 105739 | 2.18% | 0.140% |
| 6 | 6.916 | 817 | 821 | 825 | rVB | 1414873 | 1205436 | 24.83% | 1.601% |
| 7 | 7.475 | 911 | 916 | 919 | rBV | 2745199 | 2445705 | 50.38% | 3.248% |
| 8 | 8.092 | 1018 | 1021 | 1033 | rBV | 1671270 | 2039386 | 42.01% | 2.708% |
| 9 | 8.198 | 1036 | 1039 | 1041 | rVV | 1724837 | 1531358 | 31.55% | 2.034% |
| 10 | 8.216 | 1041 | 1042 | 1045 | rVV | 195044 | 124463 | 2.56% | 0.165% |
| 11 | 9.269 | 1217 | 1221 | 1224 | rBV | 4491064 | 3539704 | 72.92% | 4.701% |
| 12 | 9.380 | 1236 | 1240 | 1249 | rVB2 | 227274 | 280970 | 5.79% | 0.373% |
| 13 | 9.657 | 1285 | 1287 | 1291 | rBV2 | 201559 | 221935 | 4.57% | 0.295% |
| 14 | 9.810 | 1307 | 1313 | 1317 | rBV | 303777 | 268970 | 5.54% | 0.357% |
| 15 | 9.951 | 1333 | 1337 | 1340 | rVV | 1727978 | 1430059 | 29.46% | 1.899% |
| 16 | 10.151 | 1365 | 1371 | 1374 | rVV2 | 124555 | 159173 | 3.28% | 0.211% |
| 17 | 10.733 | 1467 | 1470 | 1474 | rVV | 1992936 | 1811417 | 37.32% | 2.406% |
| 18 | 10.863 | 1487 | 1492 | 1494 | rBV3 | 127561 | 175672 | 3.62% | 0.233% |
| 19 | 11.045 | 1517 | 1523 | 1526 | rBV5 | 62282 | 120983 | 2.49% | 0.161% |
| 20 | 11.239 | 1553 | 1556 | 1560 | rBV2 | 164910 | 148648 | 3.06% | 0.197% |
| 21 | 11.292 | 1560 | 1565 | 1567 | rBV3 | 92699 | 110593 | 2.28% | 0.147% |
| 22 | 11.433 | 1586 | 1589 | 1592 | rBV | 1458745 | 1456845 | 30.01% | 1.935% |
| 23 | 11.457 | 1592 | 1593 | 1597 | rVB | 897311 | 642273 | 13.23% | 0.853% |
| 24 | 11.510 | 1599 | 1602 | 1605 | rBV | 408663 | 319920 | 6.59% | 0.425% |
| 25 | 11.610 | 1614 | 1619 | 1623 | rVB3 | 87919 | 141644 | 2.92% | 0.188% |
| 26 | 11.663 | 1623 | 1628 | 1631 | rBV | 285437 | 284046 | 5.85% | 0.377% |
| 27 | 11.768 | 1643 | 1646 | 1651 | rVB3 | 116603 | 117498 | 2.42% | 0.156% |
| 28 | 11.821 | 1652 | 1655 | 1658 | rBV2 | 235470 | 187978 | 3.87% | 0.250% |
| 29 | 11.939 | 1669 | 1675 | 1676 | rBV | 268482 | 303366 | 6.25% | 0.403% |
| 30 | 11.957 | 1676 | 1678 | 1683 | rVV2 | 525421 | 736241 | 15.17% | 0.978% |
| 31 | 12.010 | 1683 | 1687 | 1690 | rVV4 | 126132 | 220968 | 4.55% | 0.293% |
| 32 | 12.045 | 1690 | 1693 | 1696 | rVV2 | 373517 | 425167 | 8.76% | 0.565% |
| 33 | 12.068 | 1696 | 1697 | 1701 | rVB | 181723 | 136395 | 2.81% | 0.181% |
| 34 | 12.127 | 1702 | 1707 | 1711 | rBV4 | 106602 | 227470 | 4.69% | 0.302% |
| 35 | 12.233 | 1722 | 1725 | 1727 | rVV | 256704 | 221469 | 4.56% | 0.294% |
| 36 | 12.257 | 1727 | 1729 | 1733 | rVB2 | 336535 | 279826 | 5.76% | 0.372% |

LSC Area Percent Report

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Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-7-(291.00)

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.380 | 1744 | 1750 | 1753 | rBV | 166865 | 184580 | 3.80% | 0.245% |
| 38 | 12.410 | 1753 | 1755 | 1757 | rBV | 231469 | 176931 | 3.64% | 0.235% |
| 39 | 12.439 | 1757 | 1760 | 1762 | rVB | 134801 | 122247 | 2.52% | 0.162% |
| 40 | 12.486 | 1765 | 1768 | 1771 | rBV2 | 388586 | 374267 | 7.71% | 0.497% |
| 41 | 12.527 | 1771 | 1775 | 1780 | rVB2 | 290769 | 443565 | 9.14% | 0.589% |
| 42 | 12.574 | 1780 | 1783 | 1787 | rVB | 302342 | 291661 | 6.01% | 0.387% |
| 43 | 12.651 | 1792 | 1796 | 1800 | rVB | 3344678 | 2974376 | 61.27% | 3.950% |
| 44 | 12.692 | 1800 | 1803 | 1805 | rBV | 120086 | 113406 | 2.34% | 0.151% |
| 45 | 12.739 | 1809 | 1811 | 1814 | rVB2 | 255557 | 219448 | 4.52% | 0.291% |
| 46 | 12.780 | 1814 | 1818 | 1820 | rBV2 | 108410 | 128425 | 2.65% | 0.171% |
| 47 | 12.880 | 1829 | 1835 | 1840 | rBV2 | 2799622 | 3182193 | 65.55% | 4.226% |
| 48 | 12.927 | 1840 | 1843 | 1848 | rVB2 | 240056 | 294110 | 6.06% | 0.391% |
| 49 | 12.998 | 1851 | 1855 | 1856 | rBV2 | 207357 | 217631 | 4.48% | 0.289% |
| 50 | 13.021 | 1856 | 1859 | 1865 | rVB | 3403421 | 3172166 | 65.35% | 4.213% |
| 51 | 13.098 | 1867 | 1872 | 1876 | rBV3 | 363340 | 576977 | 11.89% | 0.766% |
| 52 | 13.180 | 1883 | 1886 | 1888 | rBV3 | 272877 | 332026 | 6.84% | 0.441% |
| 53 | 13.204 | 1888 | 1890 | 1893 | rVB | 389045 | 407288 | 8.39% | 0.541% |
| 54 | 13.245 | 1893 | 1897 | 1899 | rBV2 | 85912 | 124671 | 2.57% | 0.166% |
| 55 | 13.274 | 1899 | 1902 | 1904 | rBV | 196161 | 147189 | 3.03% | 0.195% |
| 56 | 13.310 | 1904 | 1908 | 1911 | rBV2 | 486238 | 533003 | 10.98% | 0.708% |
| 57 | 13.404 | 1921 | 1924 | 1926 | rBV | 294536 | 231676 | 4.77% | 0.308% |
| 58 | 13.433 | 1926 | 1929 | 1933 | rBV2 | 218215 | 234831 | 4.84% | 0.312% |
| 59 | 13.586 | 1952 | 1955 | 1957 | rBV3 | 181460 | 240147 | 4.95% | 0.319% |
| 60 | 13.610 | 1957 | 1959 | 1961 | rVV2 | 221744 | 235752 | 4.86% | 0.313% |
| 61 | 13.633 | 1961 | 1963 | 1965 | rVV | 284950 | 266924 | 5.50% | 0.354% |
| 62 | 13.715 | 1974 | 1977 | 1981 | rVB | 868195 | 820268 | 16.90% | 1.089% |
| 63 | 13.827 | 1991 | 1996 | 1999 | rBV2 | 514692 | 727565 | 14.99% | 0.966% |
| 64 | 13.857 | 1999 | 2001 | 2003 | rVV | 386686 | 353791 | 7.29% | 0.470% |
| 65 | 13.880 | 2003 | 2005 | 2009 | rVV2 | 376973 | 402734 | 8.30% | 0.535% |
| 66 | 13.921 | 2009 | 2012 | 2015 | rVB | 684066 | 549536 | 11.32% | 0.730% |
| 67 | 13.968 | 2018 | 2020 | 2022 | rBV | 100193 | 114333 | 2.36% | 0.152% |
| 68 | 14.074 | 2034 | 2038 | 2042 | rBV2 | 2007129 | 3344434 | 68.90% | 4.442% |
| 69 | 14.109 | 2042 | 2044 | 2051 | rVB | 2507597 | 2205657 | 45.44% | 2.929% |
| 70 | 14.162 | 2051 | 2053 | 2055 | rBV | 154565 | 111688 | 2.30% | 0.148% |
| 71 | 14.204 | 2058 | 2060 | 2063 | rBV2 | 185413 | 178251 | 3.67% | 0.237% |
| 72 | 14.239 | 2064 | 2066 | 2068 | rVB3 | 133060 | 108823 | 2.24% | 0.145% |
| 73 | 14.298 | 2073 | 2076 | 2080 | rBV2 | 244124 | 343352 | 7.07% | 0.456% |
| 74 | 14.333 | 2080 | 2082 | 2085 | rBV | 192908 | 187681 | 3.87% | 0.249% |
| 75 | 14.427 | 2096 | 2098 | 2100 | rBV2 | 125520 | 127396 | 2.62% | 0.169% |
| 76 | 14.462 | 2100 | 2104 | 2107 | rVV | 671464 | 832241 | 17.14% | 1.105% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-7-(291.00)

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.504 | 2107 | 2111 | 2114 | rVV2 | 658243 | 750100 | 15.45% | 0.996% |
| 78 | 14.551 | 2114 | 2119 | 2123 | rVV6 | 254744 | 521378 | 10.74% | 0.692% |
| 79 | 14.592 | 2123 | 2126 | 2128 | rVV | 434478 | 424470 | 8.74% | 0.564% |
| 80 | 14.615 | 2128 | 2130 | 2134 | rVV2 | 280605 | 325885 | 6.71% | 0.433% |
| 81 | 14.668 | 2136 | 2139 | 2143 | rVB2 | 241305 | 281549 | 5.80% | 0.374% |
| 82 | 14.774 | 2154 | 2157 | 2160 | rBV | 216006 | 248247 | 5.11% | 0.330% |
| 83 | 14.809 | 2160 | 2163 | 2168 | rVB3 | 162076 | 196731 | 4.05% | 0.261% |
| 84 | 14.862 | 2169 | 2172 | 2174 | rVV2 | 155144 | 147029 | 3.03% | 0.195% |
| 85 | 14.886 | 2174 | 2176 | 2181 | rVB3 | 253009 | 350858 | 7.23% | 0.466% |
| 86 | 14.962 | 2183 | 2189 | 2193 | rBV5 | 234113 | 512042 | 10.55% | 0.680% |
| 87 | 15.045 | 2199 | 2203 | 2207 | rBV2 | 279885 | 371203 | 7.65% | 0.493% |
| 88 | 15.145 | 2214 | 2220 | 2223 | rBV2 | 2874731 | 4854345 | 100.00% | 6.447% |
| 89 | 15.251 | 2234 | 2238 | 2241 | rVB | 457093 | 450475 | 9.28% | 0.598% |
| 90 | 15.339 | 2250 | 2253 | 2261 | rBV4 | 210545 | 448771 | 9.24% | 0.596% |
| 91 | 15.456 | 2268 | 2273 | 2278 | rVB | 1745104 | 2345082 | 48.31% | 3.114% |
| 92 | 15.515 | 2278 | 2283 | 2289 | rVB | 1451993 | 1901194 | 39.16% | 2.525% |
| 93 | 15.580 | 2289 | 2294 | 2297 | rBV2 | 1220521 | 1669658 | 34.40% | 2.217% |
| 94 | 15.609 | 2297 | 2299 | 2306 | rVB2 | 489246 | 809898 | 16.68% | 1.076% |
| 95 | 15.909 | 2347 | 2350 | 2353 | rVB2 | 136234 | 168888 | 3.48% | 0.224% |
| 96 | 16.639 | 2471 | 2474 | 2478 | rVB2 | 106880 | 146780 | 3.02% | 0.195% |
| 97 | 17.092 | 2545 | 2551 | 2557 | rBV2 | 787556 | 1510584 | 31.12% | 2.006% |
| 98 | 17.274 | 2578 | 2582 | 2586 | rVB2 | 110449 | 182227 | 3.75% | 0.242% |
| 99 | 17.333 | 2588 | 2592 | 2598 | rVB3 | 159947 | 290968 | 5.99% | 0.386% |
| 100 | 17.550 | 2622 | 2629 | 2643 | rVB | 577869 | 1315464 | 27.10% | 1.747% |

Sum of corrected areas: 75299012

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
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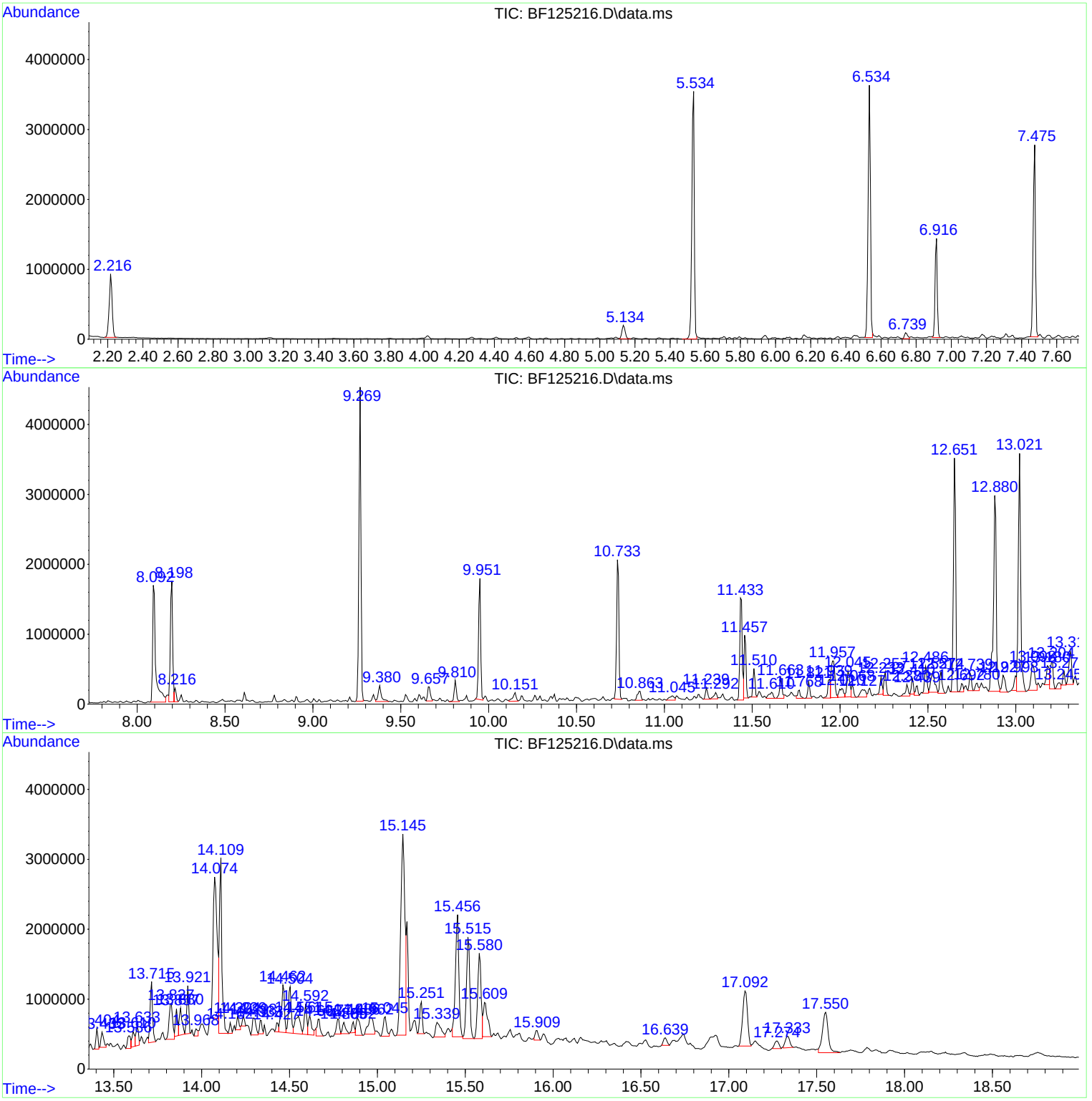
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

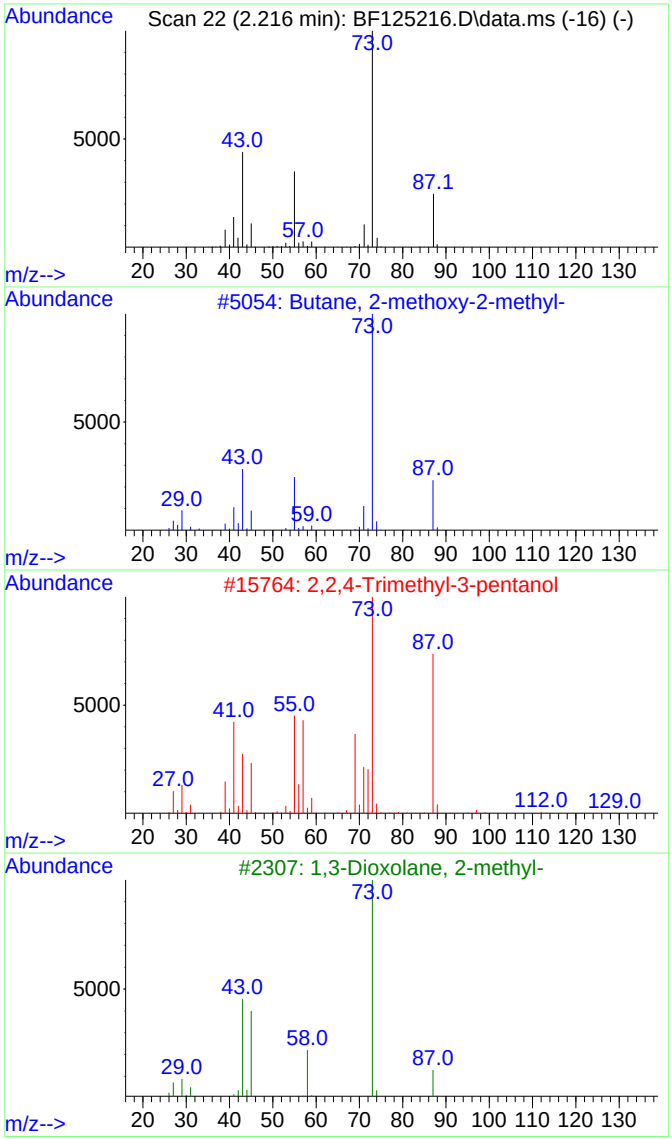
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

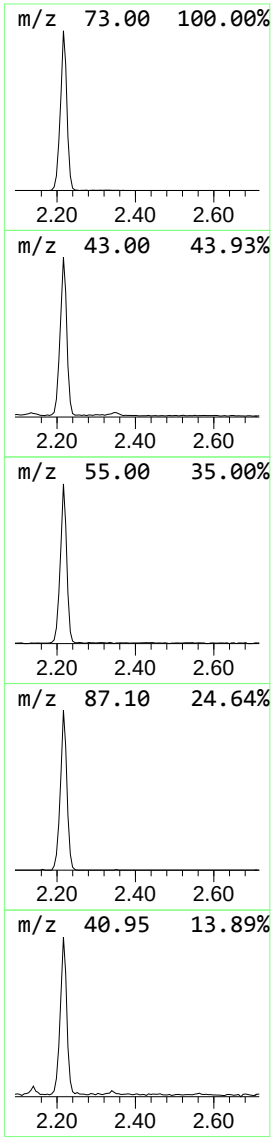
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.216 | 17.45 ng | 1051500 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 23 |
| 4 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 23 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |



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Data File : BF125216.D
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Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

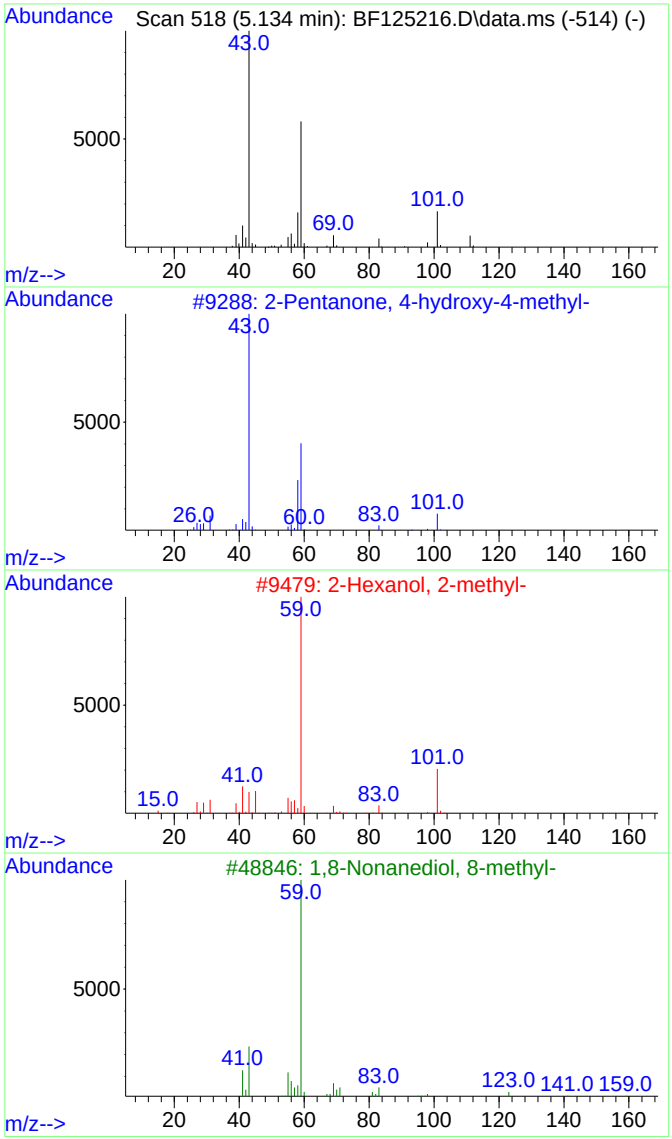
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

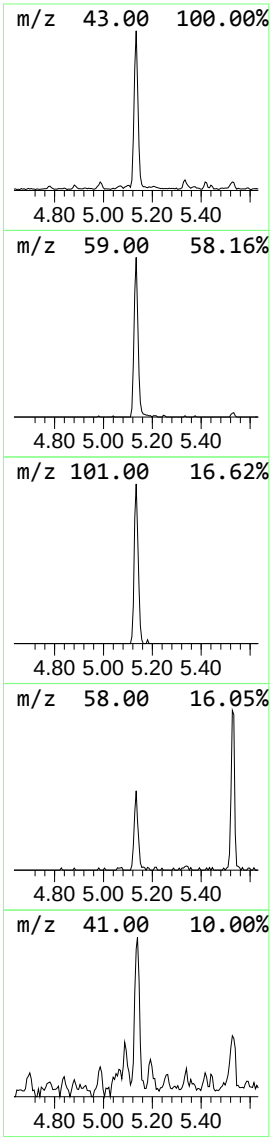
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.134 | 4.05 ng | 243837 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 38 |
| 3 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 37 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 23 |
| 5 | Propanoic acid, 2-hydroxy-2-meth... | 132 | C6H12O3 | 000080-55-7 | 17 |



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Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-7-(291.00)

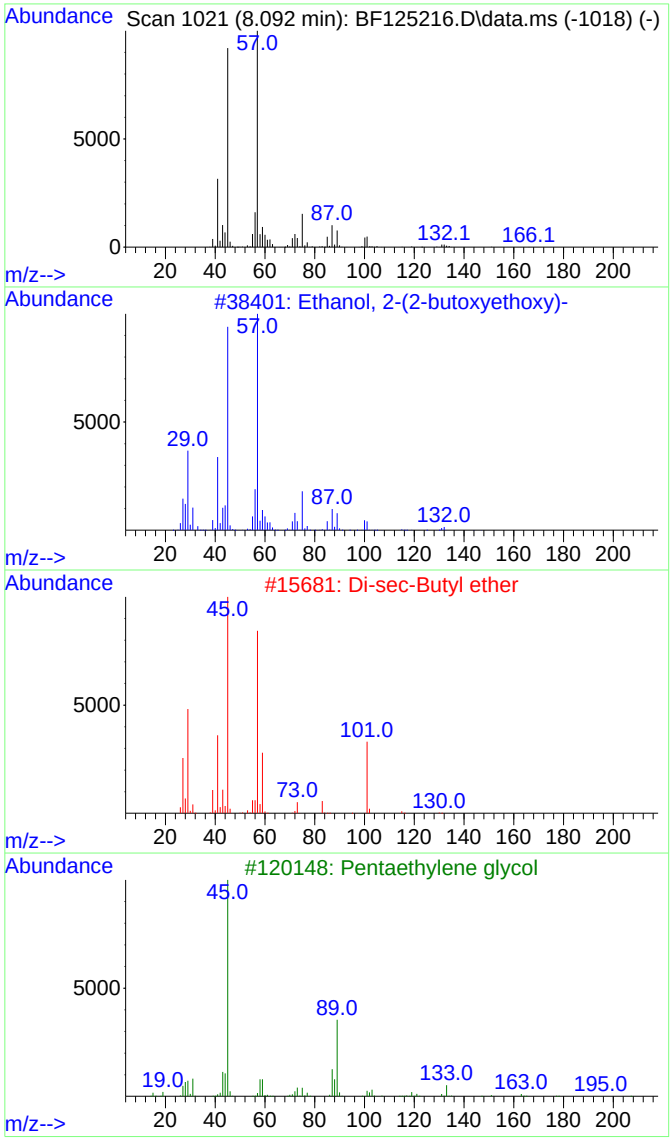
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

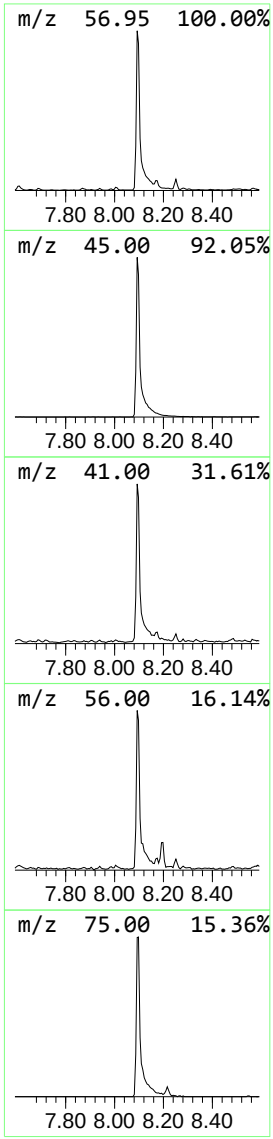
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.092 | 26.64 ng | 2039390 | Naphthalene-d8 | 8.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Di-sec-Butyl ether | 130 | C8H18O | 006863-58-7 | 53 |
| 3 | Pentaethylene glycol | 238 | C10H22O6 | 004792-15-8 | 53 |
| 4 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 50 |
| 5 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

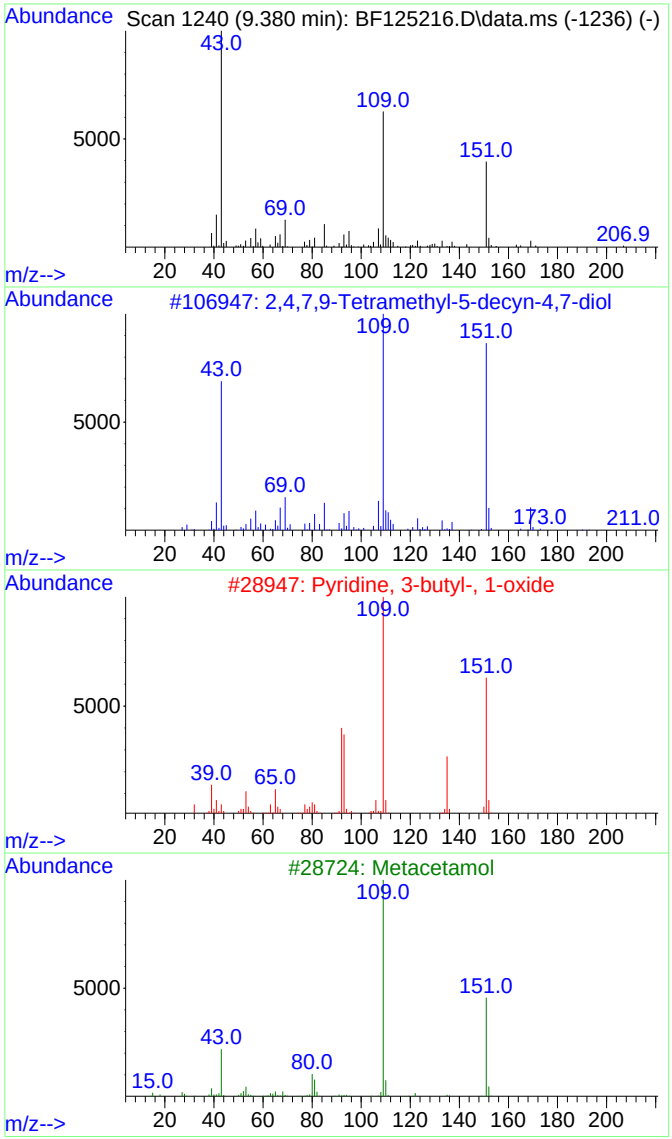
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

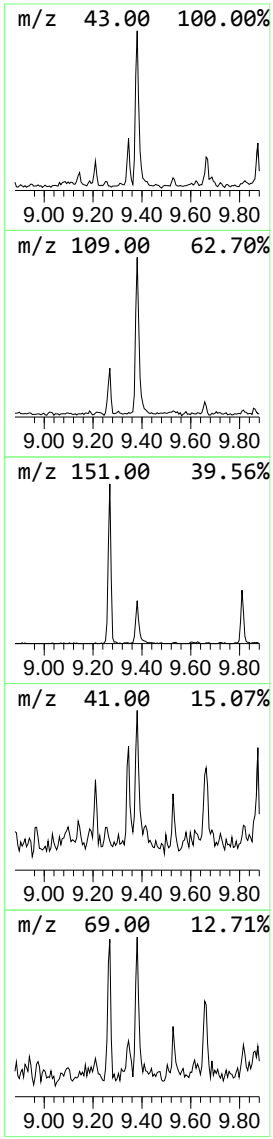
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.380 | 3.93 ng | 280970 | Acenaphthene-d10 | 9.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 90 |
| 2 | Pyridine, 3-butyl-, 1-oxide | 151 | C9H13NO | 031396-33-5 | 53 |
| 3 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 53 |
| 4 | 2-Propenal, 3-(2,2,6-trimethyl-7... | 194 | C12H18O2 | 055759-91-6 | 50 |
| 5 | Ethanone, 1-(4,5-diethyl-2-methy... | 180 | C12H20O | 062338-24-3 | 47 |



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Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

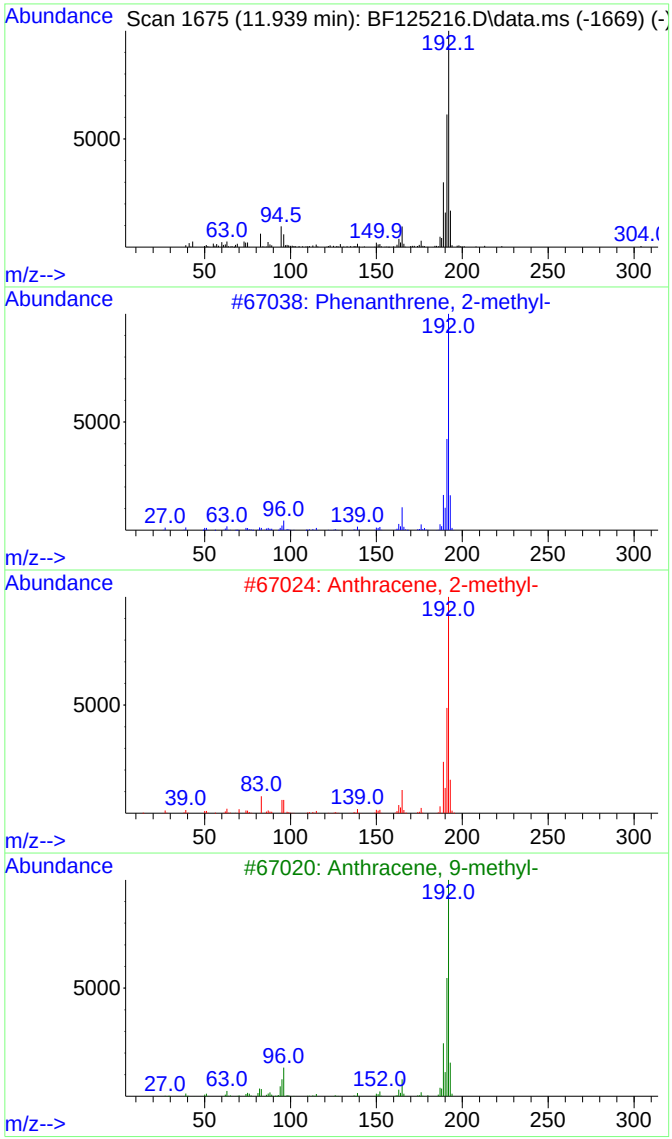
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

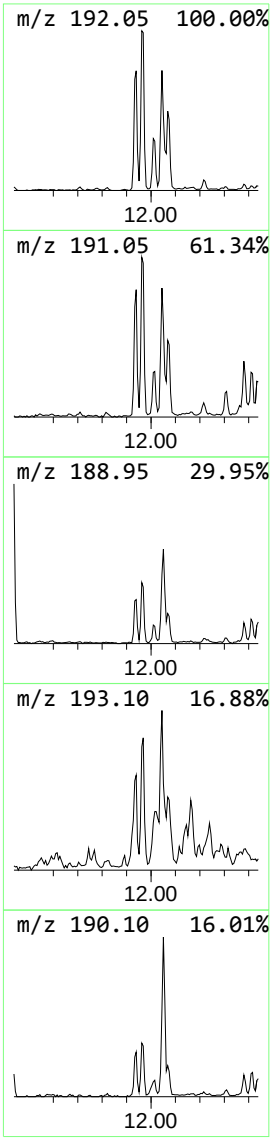
**********

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.939 | 4.16 ng | 303366 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 87 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |



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Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

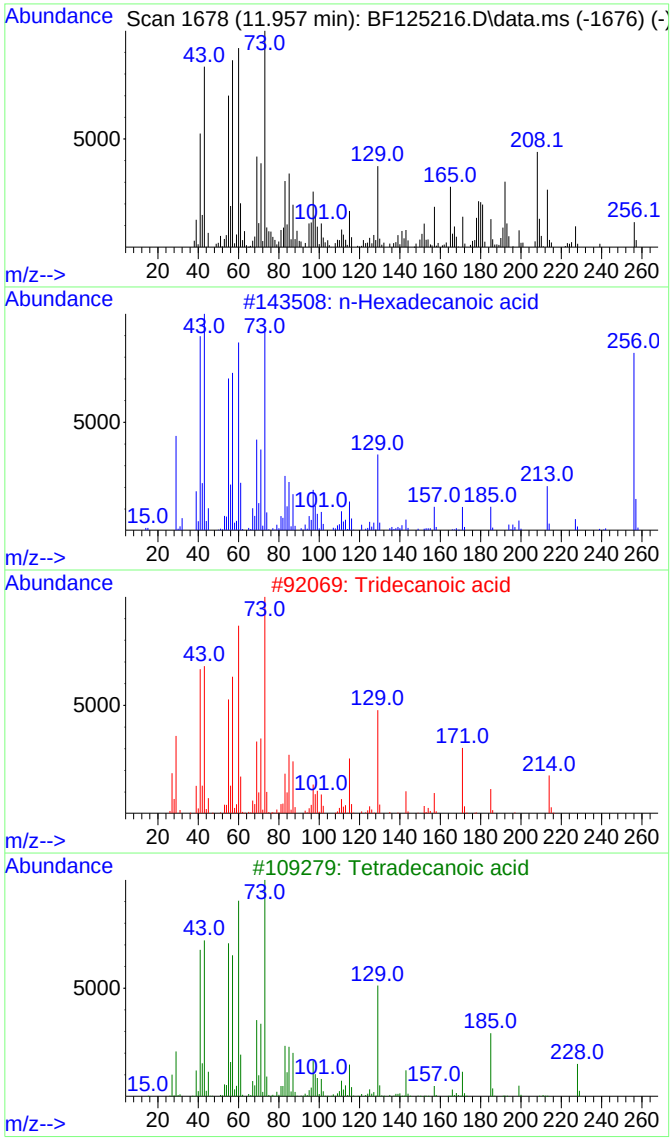
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

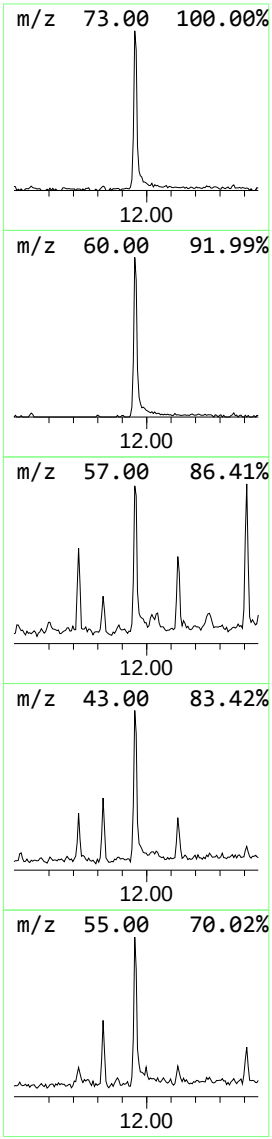
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.957 | 10.11 ng | 736241 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 84 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 49 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 38 |



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Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

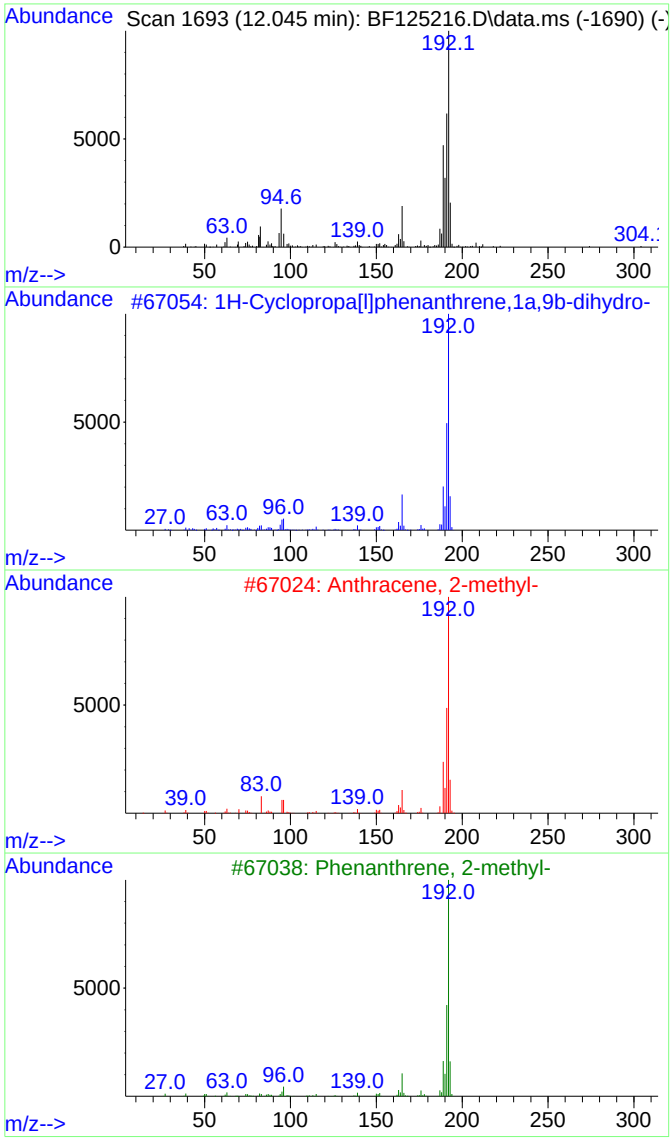
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

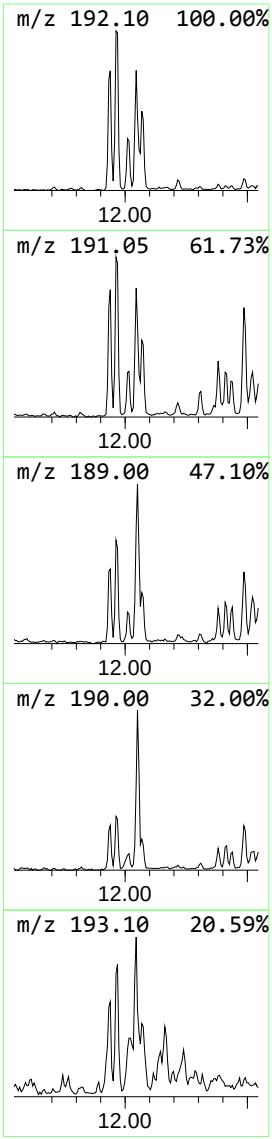
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.045 | 5.84 ng | 425167 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 92 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 92 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

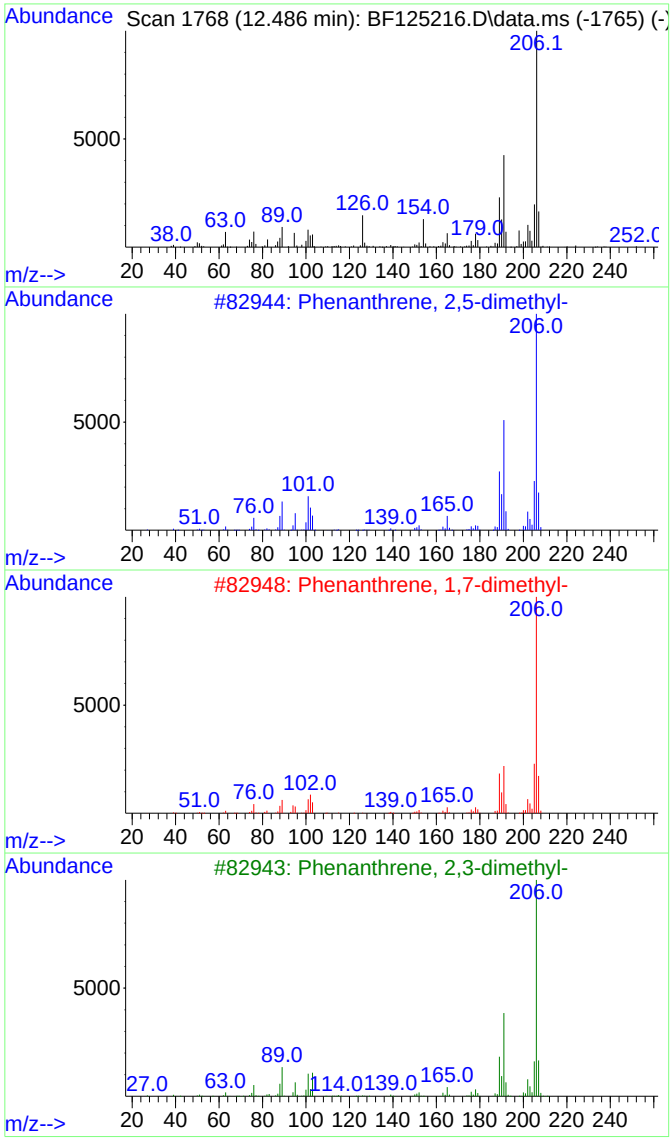
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

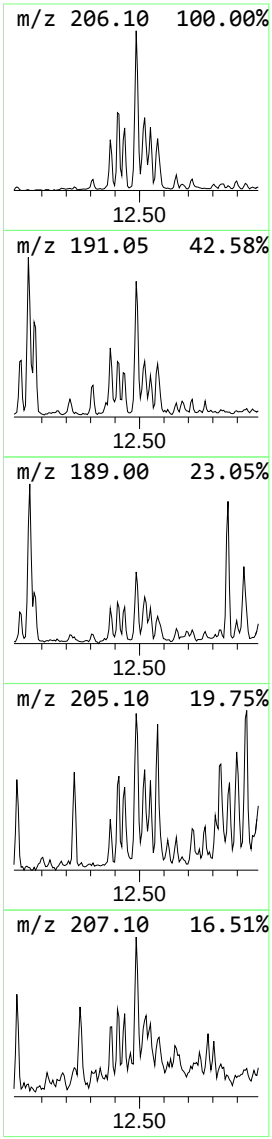
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.486 | 5.14 ng | 374267 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 92 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |



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Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

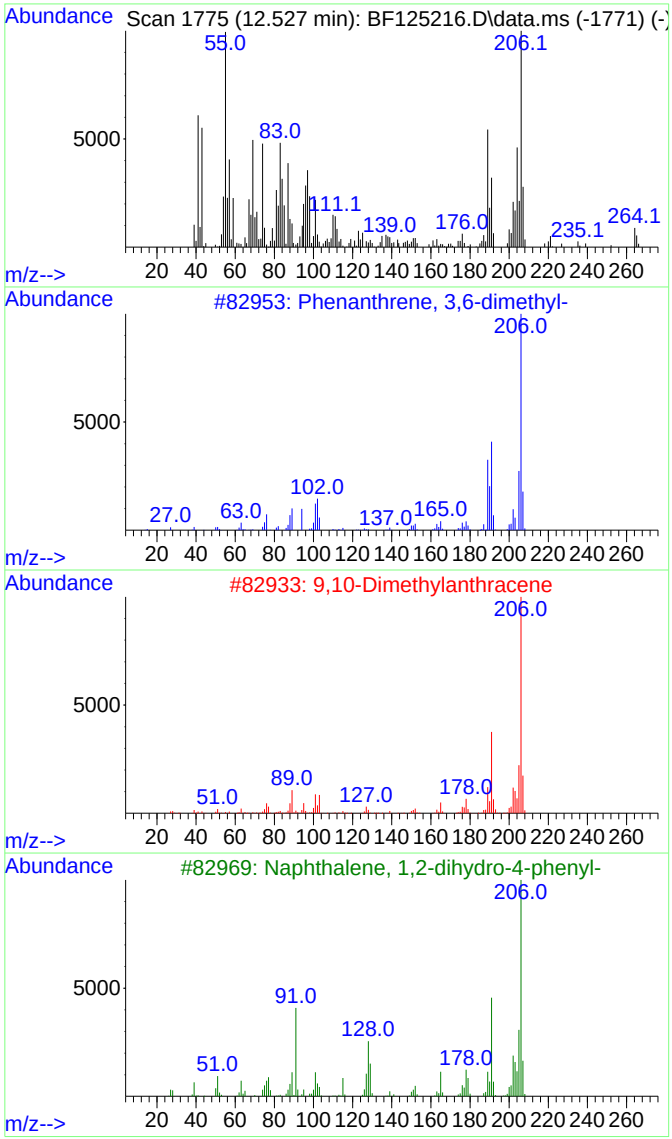
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

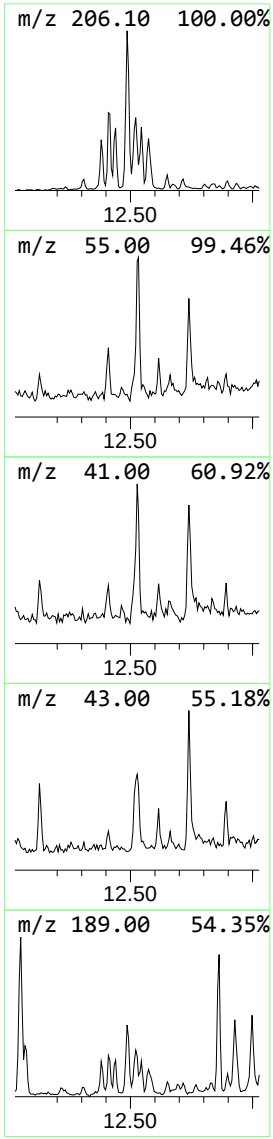
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.527 | 6.09 ng | 443565 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 43 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 41 |
| 3 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 38 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 38 |
| 5 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

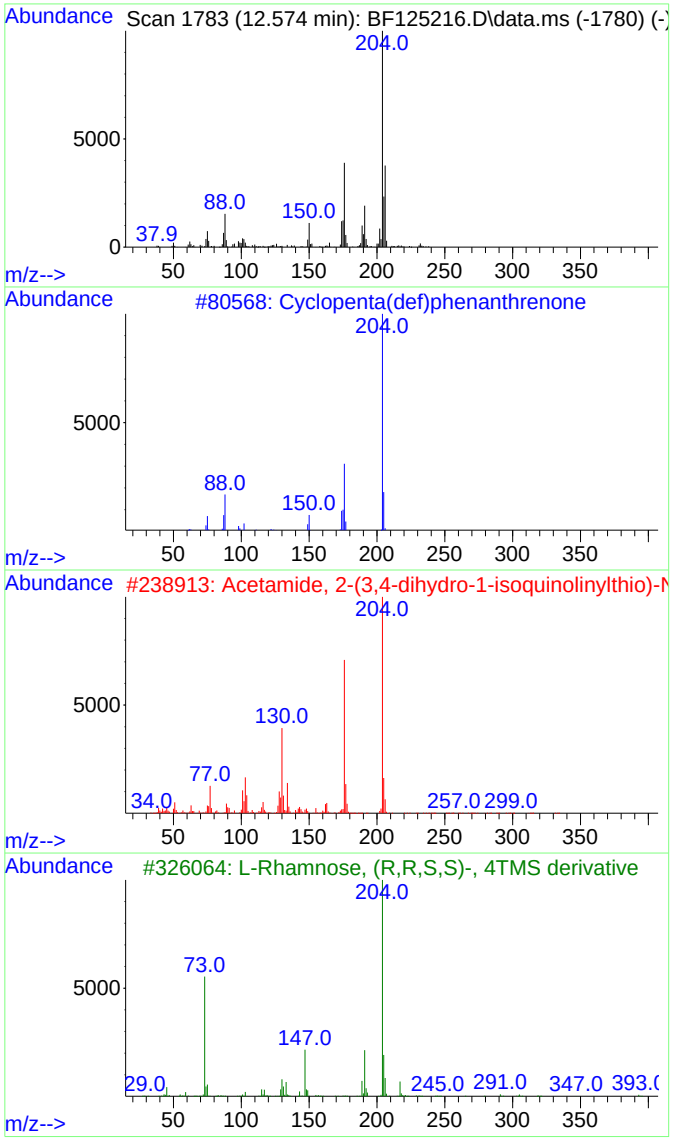
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

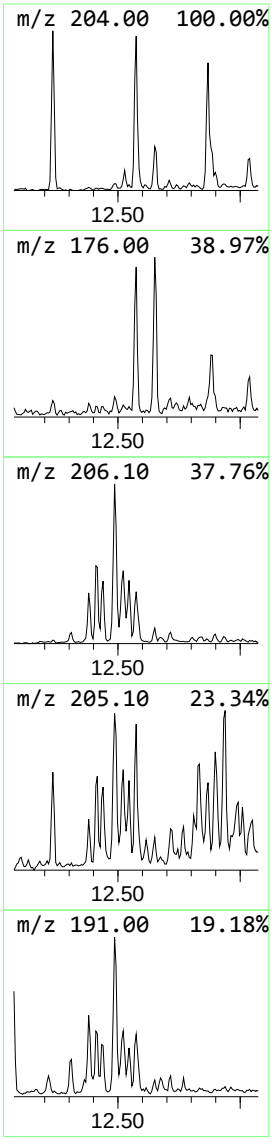
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.574 | 4.00 ng | 291661 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 96 |
| 2 | Acetamide, 2-(3,4-dihydro-1-isoq... | 332 | C17H14F2N2OS | 1000270-76-1 | 50 |
| 3 | L-Rhamnose, (R,R,S,S)-, 4TMS der... | 452 | C18H44O5Si4 | 108392-01-4 | 47 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 43 |
| 5 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 41 |



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Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

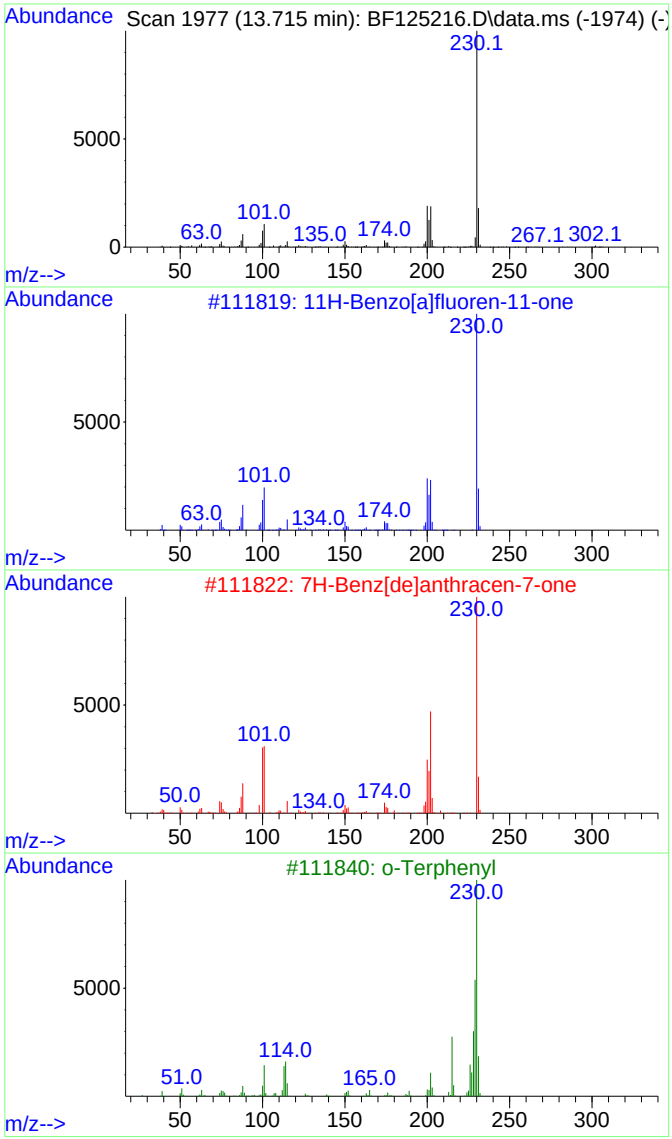
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

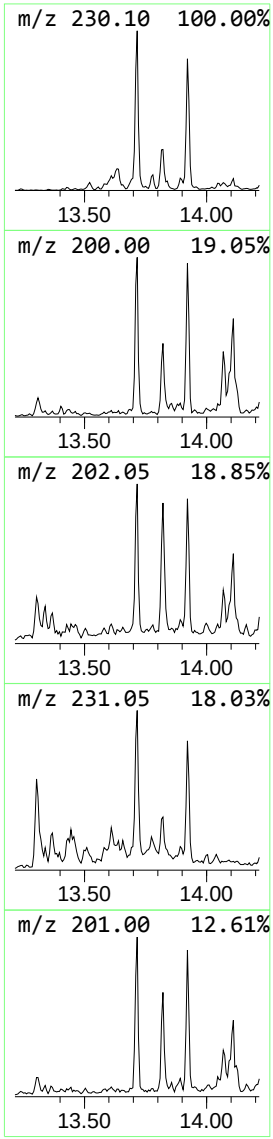
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.715 | 4.91 ng | 820268 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 94 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 91 |
| 3 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 64 |
| 4 | 4-Methoxy-2-(p-methoxyphenyl)-6-... | 230 | C13H14N2O2 | 063896-93-5 | 53 |
| 5 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

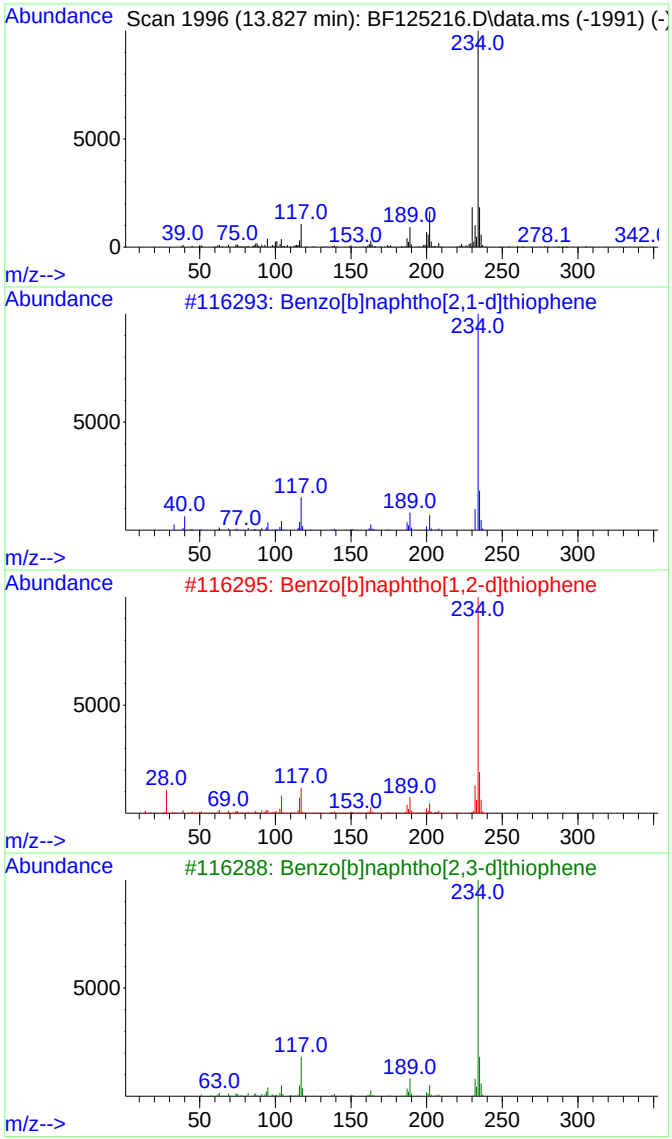
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

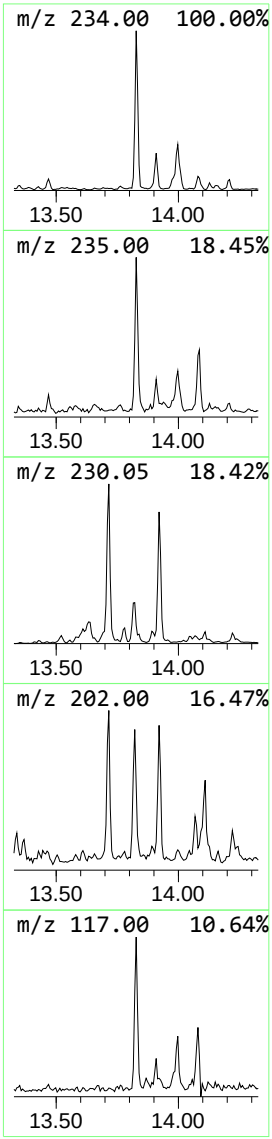
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.827 | 4.35 ng | 727565 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 95 |
| 2 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 81 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 72 |
| 4 | Quinoxalino[2,3-b]quinoxaline, 5... | 234 | C14H10N4 | 000531-46-4 | 64 |
| 5 | 1,9,12-Trioxa-4,6-diazacyclotetr... | 234 | C9H18N2O3S | 075491-64-4 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

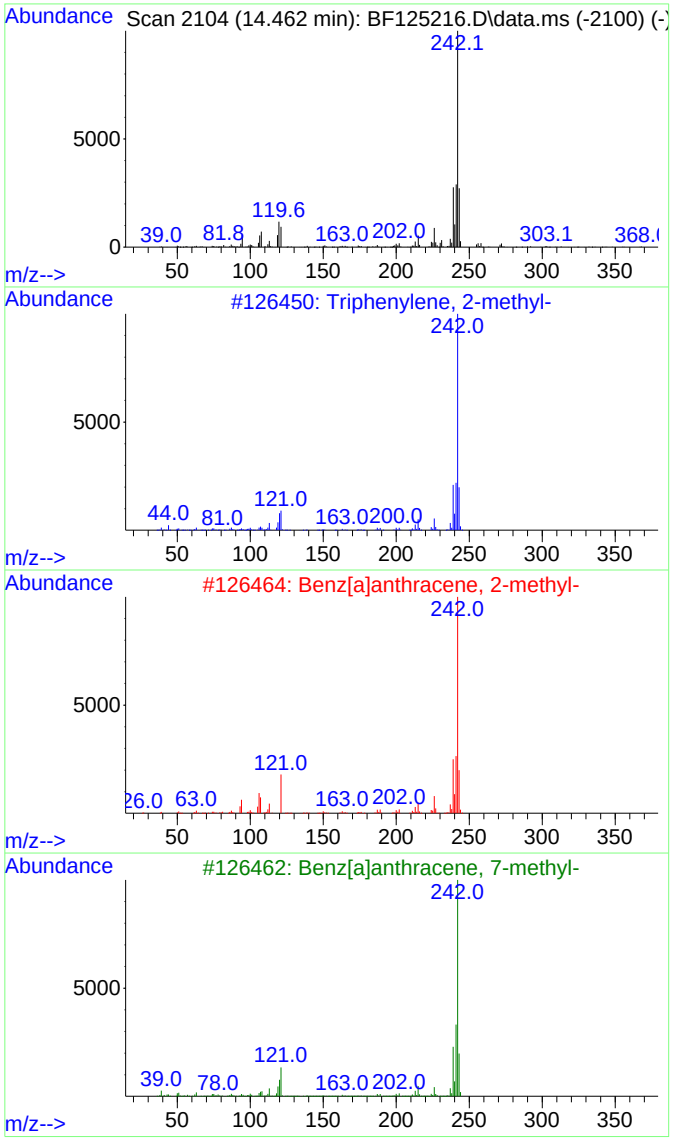
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

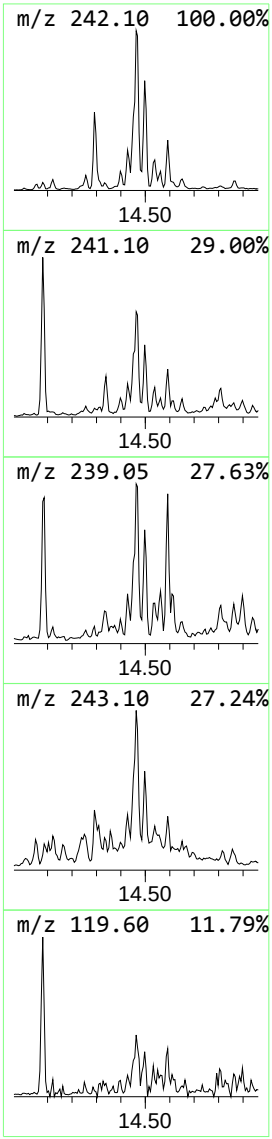
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.462 | 4.98 ng | 832241 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 96 |
| 2 | Benz[a]anthracene, 2-methyl- | 242 | C19H14 | 002498-76-2 | 95 |
| 3 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 94 |
| 4 | Chrysene, 3-methyl- | 242 | C19H14 | 003351-31-3 | 93 |
| 5 | Benz[a]anthracene, 12-methyl- | 242 | C19H14 | 002422-79-9 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

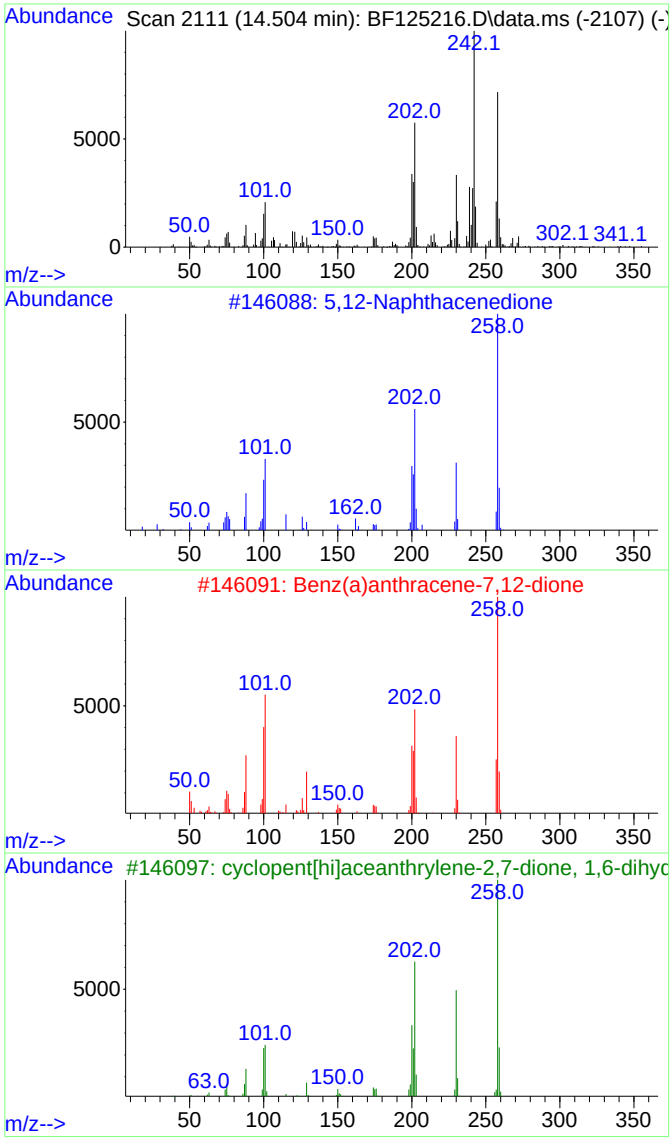
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

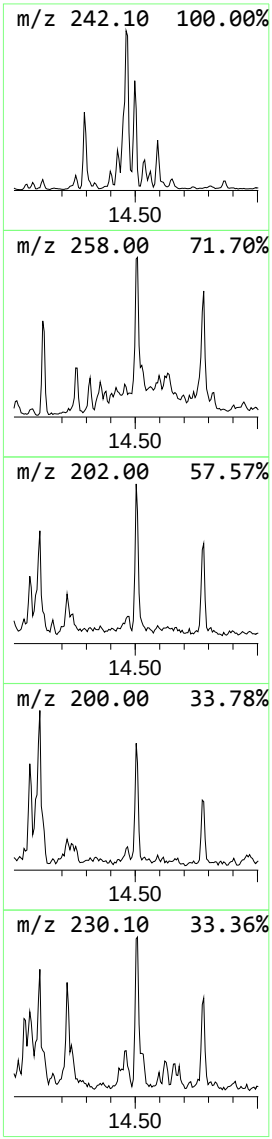
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 5,12-Naphthacenedione Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.504 | 4.49 ng | 750100 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,12-Naphthacenedione | 258 | C18H10O2 | 001090-13-7 | 96 |
| 2 | Benz(a)anthracene-7,12-dione | 258 | C18H10O2 | 002498-66-0 | 89 |
| 3 | cyclopent[hi]aceanthrylene-2,7-d... | 258 | C18H10O2 | 1000396-75-6 | 78 |
| 4 | 1H-Benz[f]indene, 2-phenyl- | 242 | C19H14 | 1000305-22-4 | 70 |
| 5 | Benz[a]anthracene, 1-methyl- | 242 | C19H14 | 002498-77-3 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

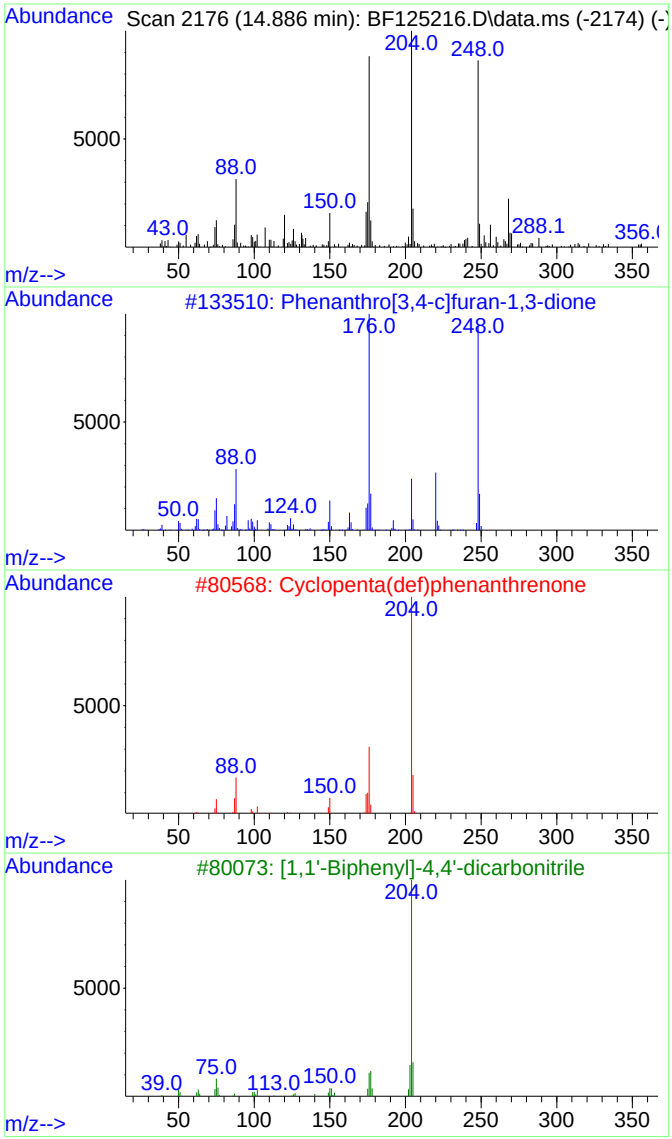
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

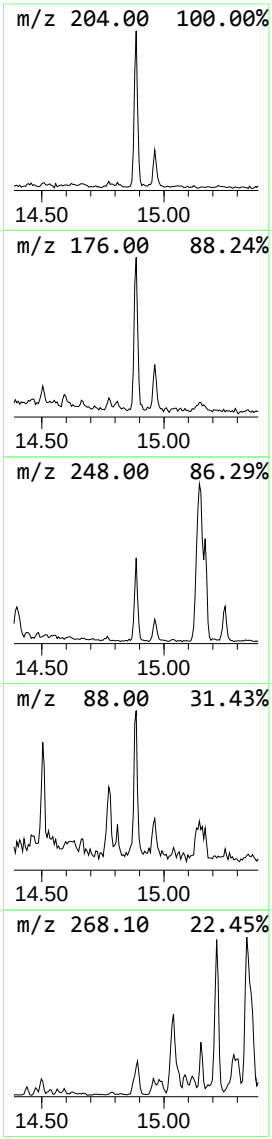
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.886 | 4.20 ng | 350858 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthro[3,4-c]furan-1,3-dione | 248 | C16H8O3 | 005723-54-6 | 60 |
| 2 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 49 |
| 3 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 18 |
| 4 | (Decahydro-isoquinolin-3-ylidene... | 176 | C11H16N2 | 1000185-70-0 | 14 |
| 5 | Acetic acid, trifluoro-, 3-methy... | 204 | C9H7F3O2 | 001736-09-0 | 14 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

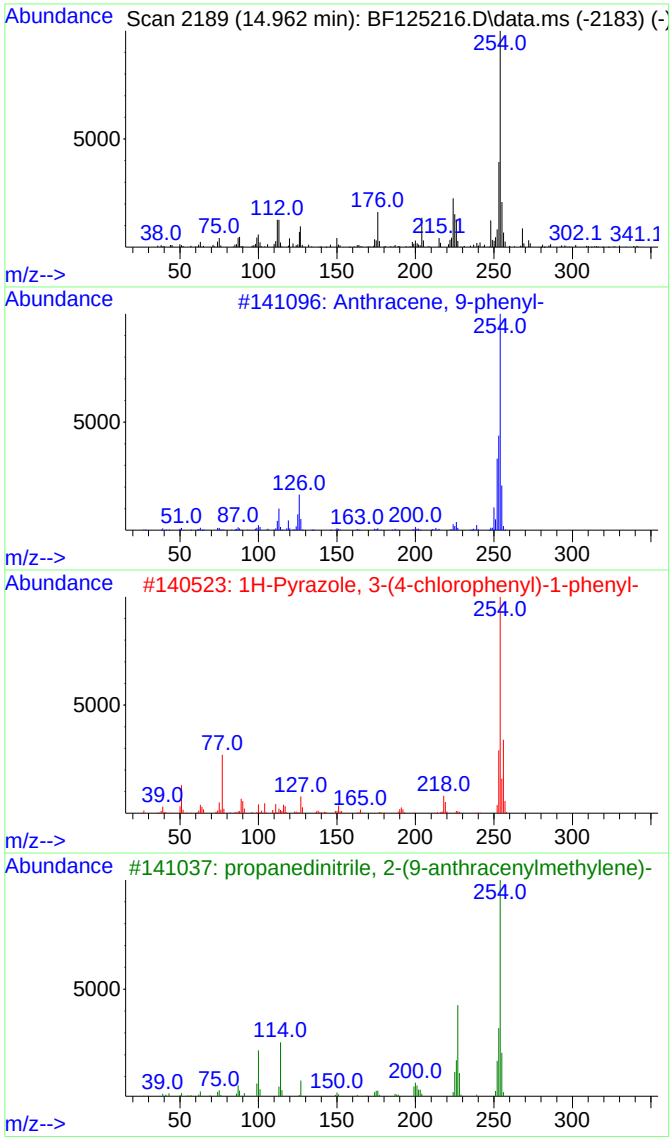
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

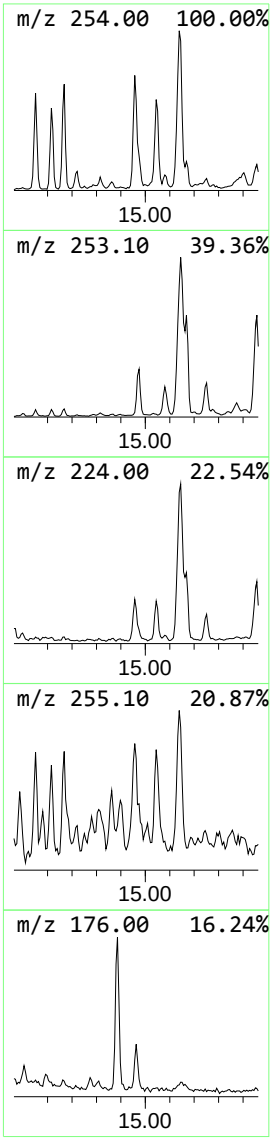
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Anthracene, 9-phenyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.962 | 6.13 ng | 512042 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-phenyl- | 254 | C20H14 | 000602-55-1 | 64 |
| 2 | 1H-Pyrazole, 3-(4-chlorophenyl)-... | 254 | C15H11ClN2 | 033064-19-6 | 58 |
| 3 | propanedinitrile, 2-(9-anthracen... | 254 | C18H10N2 | 1000401-43-4 | 58 |
| 4 | Pyrrolo[3,2-g]quinoline, 9-metho... | 254 | C16H18N2O | 199918-71-3 | 53 |
| 5 | Benzo(a)pyrene, 7,8-dihydro- | 254 | C20H14 | 017573-23-8 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

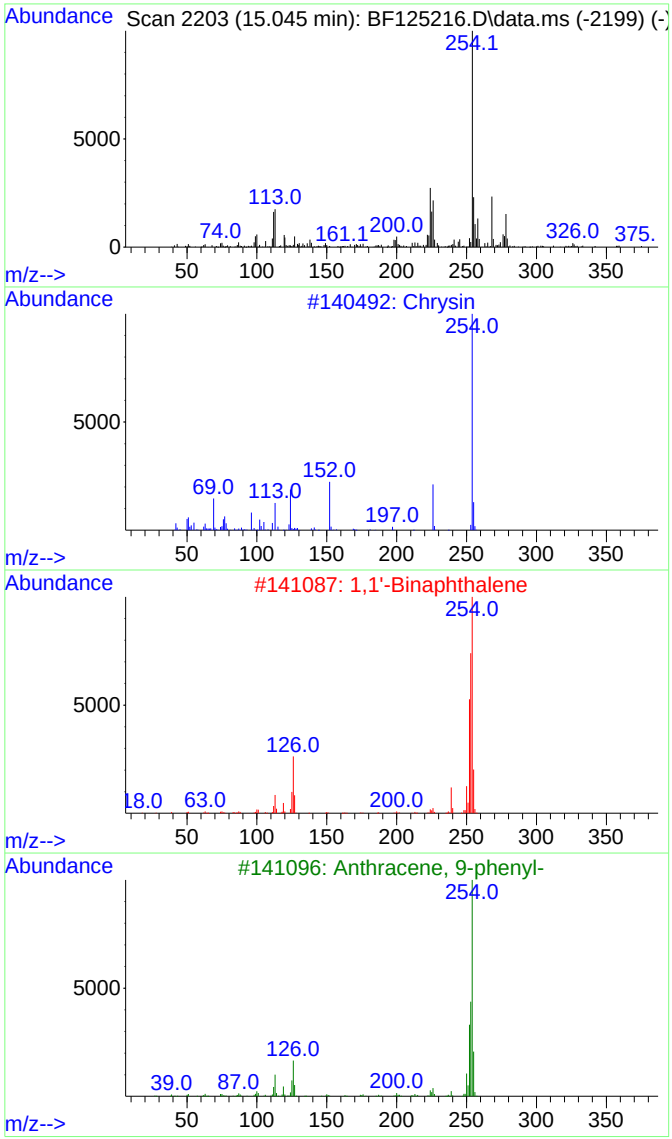
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

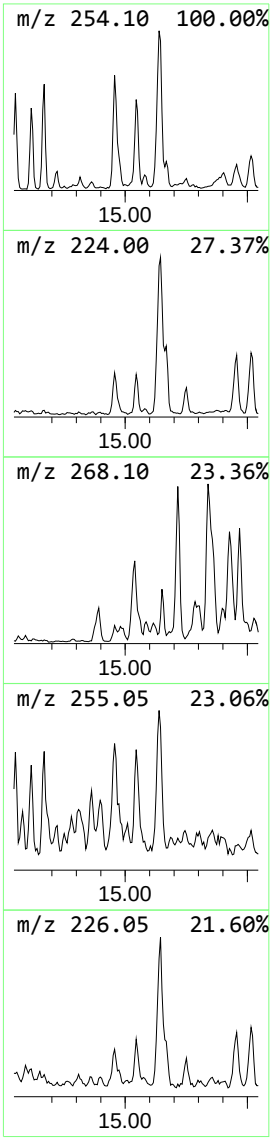
**********

Peak Number 17 unknown15.045 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.045 | 4.45 ng | 371203 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysin | 254 | C15H10O4 | 000480-40-0 | 46 |
| 2 | 1,1'-Binaphthalene | 254 | C20H14 | 000604-53-5 | 43 |
| 3 | Anthracene, 9-phenyl- | 254 | C20H14 | 000602-55-1 | 43 |
| 4 | Cyclopropa[3,4]cyclohepta[1,2-a]... | 254 | C18H22O | 057983-83-2 | 43 |
| 5 | 3-Phenylthio-2H-chromen-2-one | 254 | C15H10O2S | 072167-95-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

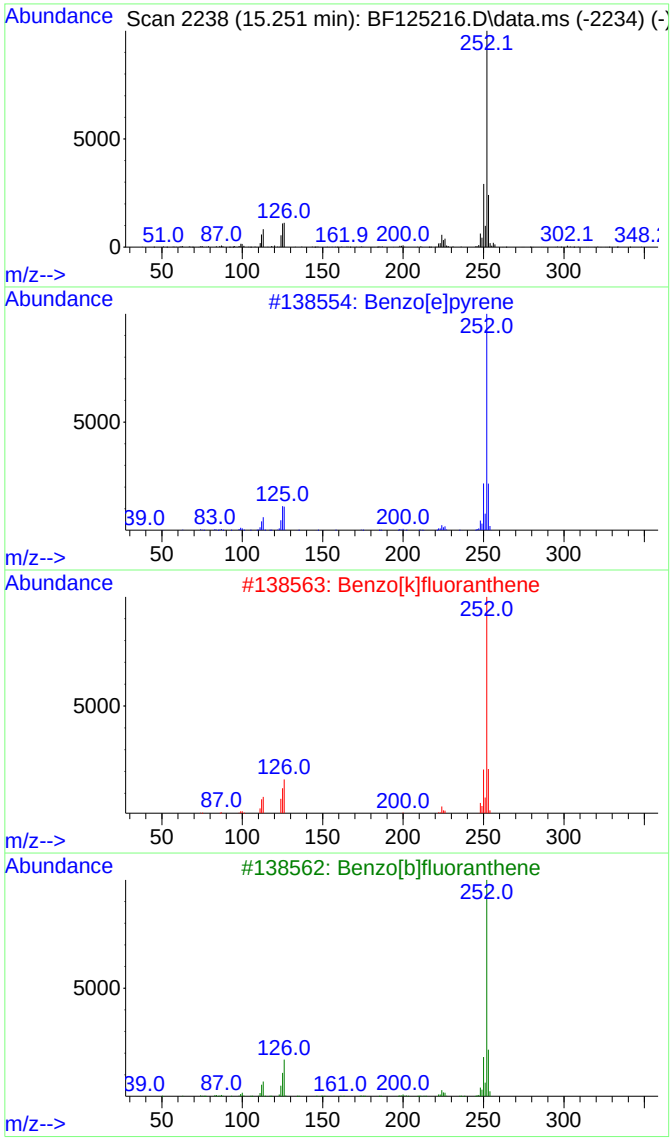
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

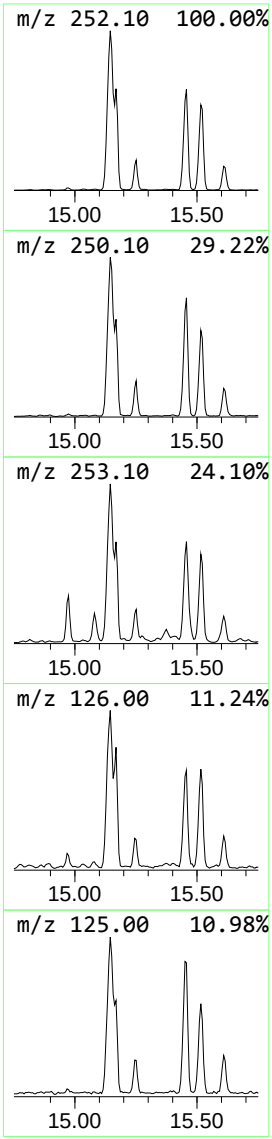
**********

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.251 | 5.40 ng | 450475 | Perylene-d12 | 15.580 |

| 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 | 95 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 94 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

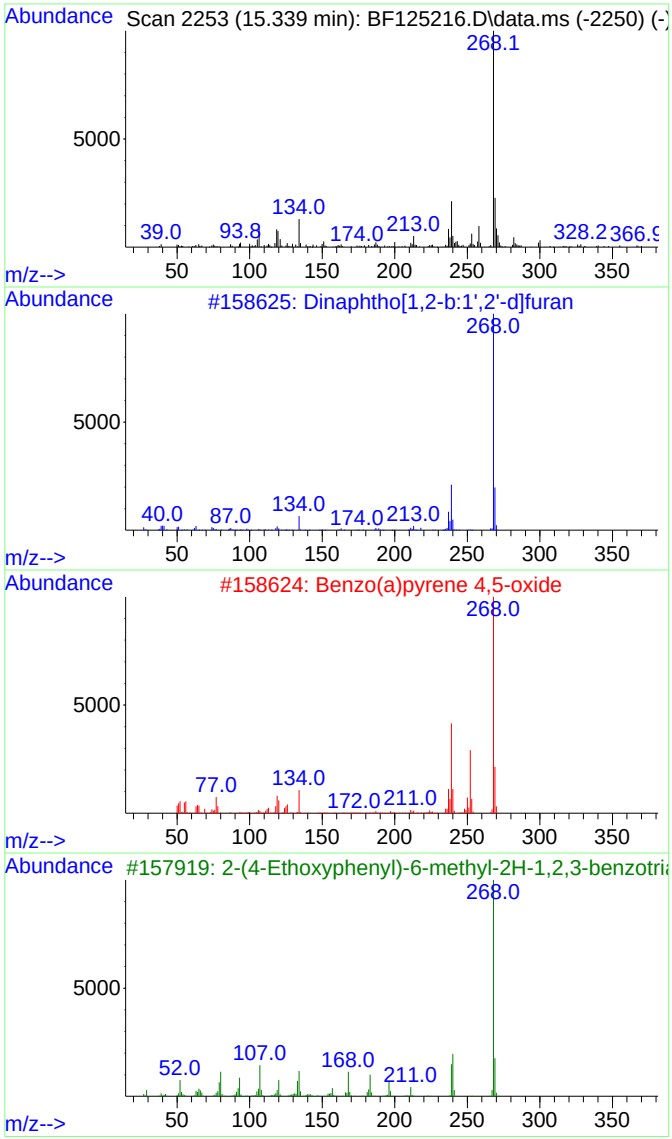
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

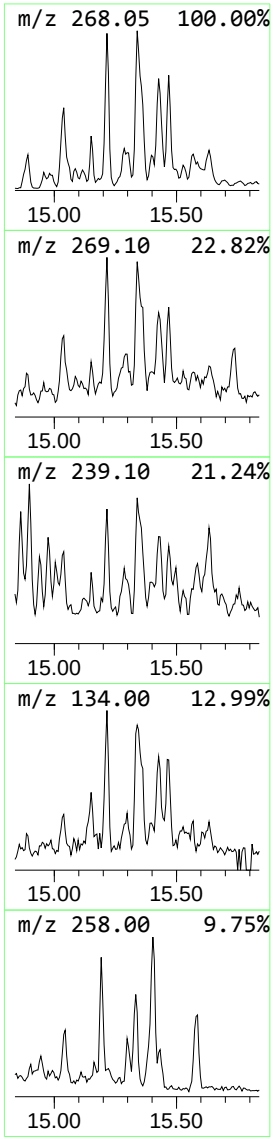
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.339 | 5.38 ng | 448771 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 93 |
| 2 | Benzo(a)pyrene 4,5-oxide | 268 | C20H12O | 037574-47-3 | 80 |
| 3 | 2-(4-Ethoxyphenyl)-6-methyl-2H-1... | 268 | C15H16N4O | 355818-00-7 | 64 |
| 4 | 9,10-Anthracenedione, 1,5-dimeth... | 268 | C16H12O4 | 006448-90-4 | 59 |
| 5 | Benzo(a)pyren-7-ol | 268 | C20H12O | 037994-82-4 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

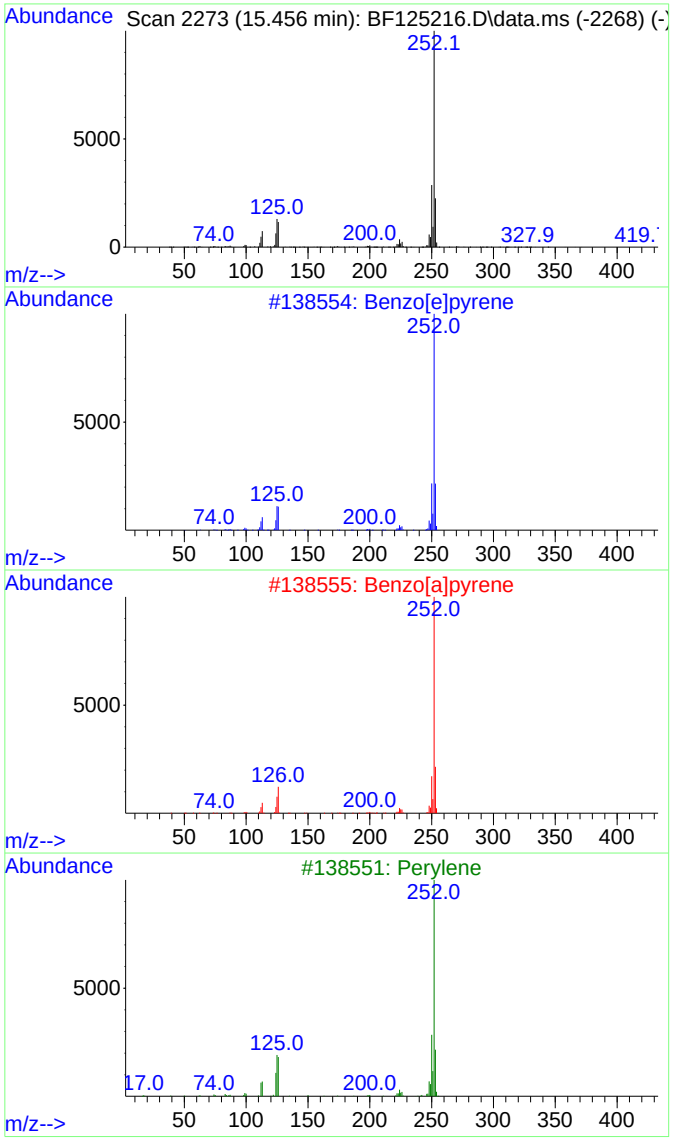
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

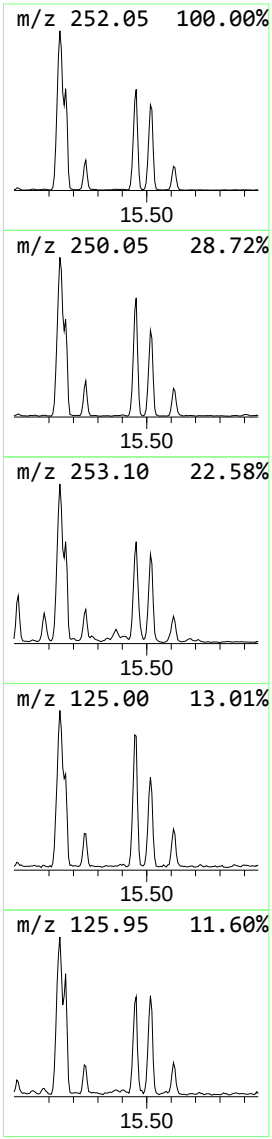
**********

Peak Number 20 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.456 | 28.09 ng | 2345080 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 98 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125216.D
Acq On : 25 Aug 2021 18:40
Operator : JU/CG
Sample : M3467-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-7-(291.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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 |
| Butane, 2-metho... | 2.216 | 17.4 | ng | 1051500 | 1 | 6.916 | 1205440 | 20.0 |
| 2-Pentanone, 4-... | 5.134 | 4.0 | ng | 243837 | 1 | 6.916 | 1205440 | 20.0 |
| Ethanol, 2-(2-b... | 8.092 | 26.6 | ng | 2039390 | 2 | 8.198 | 1531360 | 20.0 |
| 2,4,7,9-Tetrame... | 9.380 | 3.9 | ng | 280970 | 3 | 9.951 | 1430060 | 20.0 |
| Phenanthrene, 2... | 11.939 | 4.2 | ng | 303366 | 4 | 11.433 | 1456850 | 20.0 |
| n-Hexadecanoic ... | 11.957 | 10.1 | ng | 736241 | 4 | 11.433 | 1456850 | 20.0 |
| 1H-Cyclopropa[l... | 12.045 | 5.8 | ng | 425167 | 4 | 11.433 | 1456850 | 20.0 |
| Phenanthrene, 2... | 12.486 | 5.1 | ng | 374267 | 4 | 11.433 | 1456850 | 20.0 |
| Phenanthrene, 3... | 12.527 | 6.1 | ng | 443565 | 4 | 11.433 | 1456850 | 20.0 |
| Cyclopenta(def)... | 12.574 | 4.0 | ng | 291661 | 4 | 11.433 | 1456850 | 20.0 |
| 11H-Benzo[a]flu... | 13.715 | 4.9 | ng | 820268 | 5 | 14.080 | 3344430 | 20.0 |
| Benzo[b]naphtho... | 13.827 | 4.3 | ng | 727565 | 5 | 14.080 | 3344430 | 20.0 |
| Triphenylene, 2... | 14.462 | 5.0 | ng | 832241 | 5 | 14.080 | 3344430 | 20.0 |
| 5,12-Naphthacen... | 14.504 | 4.5 | ng | 750100 | 5 | 14.080 | 3344430 | 20.0 |
| Phenanthro[3,4-... | 14.886 | 4.2 | ng | 350858 | 6 | 15.580 | 1669660 | 20.0 |
| Anthracene, 9-p... | 14.962 | 6.1 | ng | 512042 | 6 | 15.580 | 1669660 | 20.0 |
| unknown15.045 | 15.045 | 4.5 | ng | 371203 | 6 | 15.580 | 1669660 | 20.0 |
| Benzo[e]pyrene | 15.251 | 5.4 | ng | 450475 | 6 | 15.580 | 1669660 | 20.0 |
| Dinaphtho[1,2-b... | 15.339 | 5.4 | ng | 448771 | 6 | 15.580 | 1669660 | 20.0 |
| Perylene | 15.456 | 28.1 | ng | 2345080 | 6 | 15.580 | 1669660 | 20.0 |