LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126242.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.110 | 3 | 4 | 10 | rVB | 560249 | 551714 | 11.80% | 1.370% |
| 2 | 2.216 | 18 | 22 | 28 | rBV | 85413 | 106014 | 2.27% | 0.263% |
| 3 | 4.404 | 389 | 394 | 399 | rBV | 146319 | 163523 | 3.50% | 0.406% |
| 4 | 5.028 | 494 | 500 | 514 | rVB | 1368179 | 1842980 | 39.43% | 4.578% |
| 5 | 5.434 | 563 | 569 | 572 | rBV | 4583732 | 4612585 | 98.69% | 11.458% |
| 6 | 5.834 | 633 | 637 | 640 | rBV | 180775 | 150280 | 3.22% | 0.373% |
| 7 | 6.440 | 735 | 740 | 745 | rBV | 3884813 | 4673763 | 100.00% | 11.610% |
| 8 | 6.816 | 800 | 804 | 808 | rBV | 1579393 | 1247529 | 26.69% | 3.099% |
| 9 | 7.381 | 894 | 900 | 903 | rBV | 2886238 | 2953512 | 63.19% | 7.336% |
| 10 | 8.004 | 1002 | 1006 | 1015 | rBV | 218589 | 207816 | 4.45% | 0.516% |
| 11 | 8.098 | 1018 | 1022 | 1025 | rBV | 1942106 | 1582434 | 33.86% | 3.931% |
| 12 | 9.175 | 1201 | 1205 | 1209 | rBV | 3844024 | 3540691 | 75.76% | 8.795% |
| 13 | 9.263 | 1217 | 1220 | 1224 | rVB2 | 61834 | 58212 | 1.25% | 0.145% |
| 14 | 9.669 | 1286 | 1289 | 1294 | rBV2 | 62838 | 84666 | 1.81% | 0.210% |
| 15 | 9.851 | 1317 | 1320 | 1323 | rBV | 1571539 | 1281931 | 27.43% | 3.184% |
| 16 | 9.886 | 1323 | 1326 | 1329 | rVB | 87965 | 69420 | 1.49% | 0.172% |
| 17 | 10.269 | 1387 | 1391 | 1393 | rBV2 | 100876 | 97308 | 2.08% | 0.242% |
| 18 | 10.398 | 1410 | 1413 | 1419 | rVB | 121506 | 103906 | 2.22% | 0.258% |
| 19 | 10.639 | 1450 | 1454 | 1457 | rBV | 2032211 | 1792364 | 38.35% | 4.452% |
| 20 | 11.233 | 1553 | 1555 | 1560 | rVB2 | 57463 | 56517 | 1.21% | 0.140% |
| 21 | 11.304 | 1562 | 1567 | 1569 | rBV | 106217 | 85927 | 1.84% | 0.213% |
| 22 | 11.333 | 1569 | 1572 | 1574 | rVV | 1161904 | 1045193 | 22.36% | 2.596% |
| 23 | 11.357 | 1574 | 1576 | 1580 | rVV | 948754 | 802945 | 17.18% | 1.995% |
| 24 | 11.410 | 1580 | 1585 | 1588 | rVB | 199552 | 185870 | 3.98% | 0.462% |
| 25 | 11.504 | 1598 | 1601 | 1607 | rBV2 | 70479 | 63327 | 1.35% | 0.157% |
| 26 | 11.563 | 1607 | 1611 | 1614 | rBV | 95467 | 82791 | 1.77% | 0.206% |
| 27 | 11.839 | 1654 | 1658 | 1660 | rVV | 91784 | 95639 | 2.05% | 0.238% |
| 28 | 11.863 | 1660 | 1662 | 1666 | rVV | 260658 | 271424 | 5.81% | 0.674% |
| 29 | 11.904 | 1666 | 1669 | 1672 | rVV2 | 80065 | 93824 | 2.01% | 0.233% |
| 30 | 11.951 | 1672 | 1677 | 1679 | rVV | 166243 | 190823 | 4.08% | 0.474% |
| 31 | 11.969 | 1679 | 1680 | 1684 | rVB | 56583 | 48582 | 1.04% | 0.121% |
| 32 | 12.133 | 1702 | 1708 | 1710 | rBV | 84909 | 100345 | 2.15% | 0.249% |
| 33 | 12.327 | 1736 | 1741 | 1747 | rVB4 | 32601 | 55676 | 1.19% | 0.138% |
| 34 | 12.392 | 1747 | 1752 | 1763 | rBV3 | 720291 | 1113613 | 23.83% | 2.766% |
| 35 | 12.469 | 1763 | 1765 | 1770 | rVB4 | 51099 | 57171 | 1.22% | 0.142% |
| 36 | 12.545 | 1775 | 1778 | 1782 | rVB | 1250799 | 1079292 | 23.09% | 2.681% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

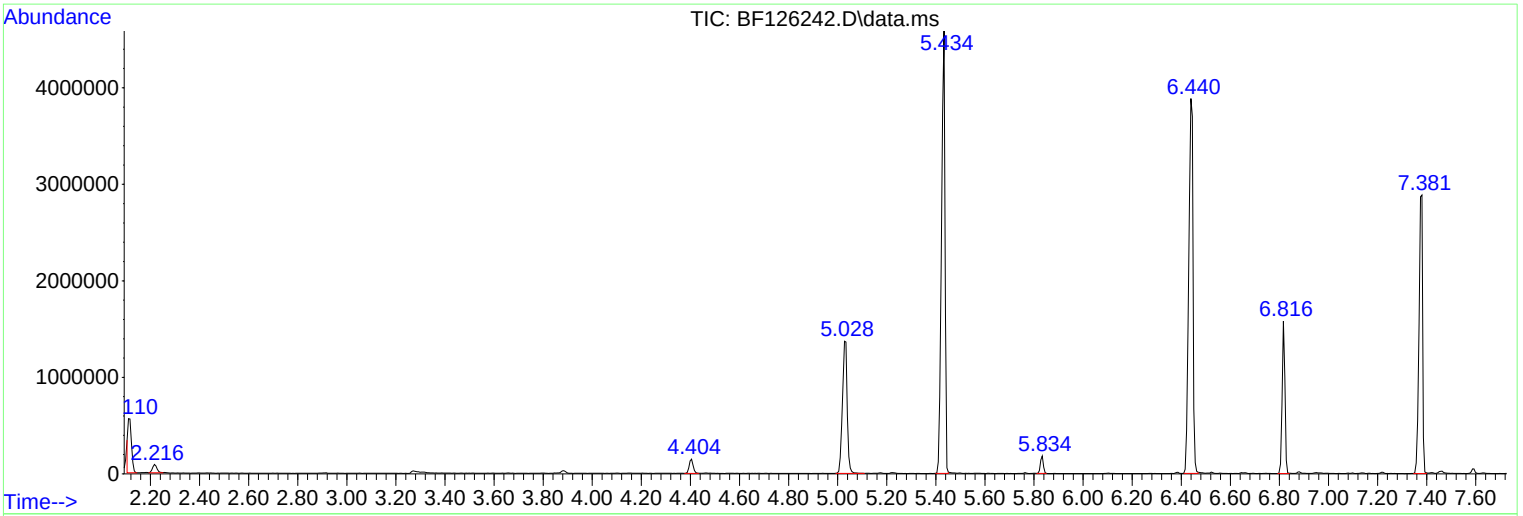
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.651 | 1792 | 1796 | 1798 | rBV3 | 38524 | 51895 | 1.11% | 0.129% |
| 38 | 12.698 | 1801 | 1804 | 1807 | rVV | 50432 | 59938 | 1.28% | 0.149% |
| 39 | 12.774 | 1811 | 1817 | 1821 | rBV | 1147435 | 1135528 | 24.30% | 2.821% |
| 40 | 12.892 | 1834 | 1837 | 1839 | rBV | 45537 | 47840 | 1.02% | 0.119% |
| 41 | 12.921 | 1839 | 1842 | 1846 | rVV | 2535392 | 2218783 | 47.47% | 5.511% |
| 42 | 12.992 | 1847 | 1854 | 1857 | rBV3 | 56871 | 85045 | 1.82% | 0.211% |
| 43 | 13.104 | 1870 | 1873 | 1877 | rVB | 150142 | 138458 | 2.96% | 0.344% |
| 44 | 13.169 | 1880 | 1884 | 1887 | rVB2 | 122493 | 107889 | 2.31% | 0.268% |
| 45 | 13.204 | 1887 | 1890 | 1893 | rBV | 77642 | 78637 | 1.68% | 0.195% |
| 46 | 13.398 | 1921 | 1923 | 1928 | rBV2 | 93828 | 90171 | 1.93% | 0.224% |
| 47 | 13.604 | 1956 | 1958 | 1964 | rVB2 | 54139 | 69978 | 1.50% | 0.174% |
| 48 | 13.721 | 1973 | 1978 | 1981 | rBV2 | 81106 | 114154 | 2.44% | 0.284% |
| 49 | 13.751 | 1981 | 1983 | 1985 | rVV | 82269 | 66004 | 1.41% | 0.164% |
| 50 | 13.774 | 1985 | 1987 | 1991 | rVV2 | 67158 | 79176 | 1.69% | 0.197% |
| 51 | 13.816 | 1991 | 1994 | 1995 | rVV2 | 57134 | 56890 | 1.22% | 0.141% |
| 52 | 13.833 | 1995 | 1997 | 2005 | rVB3 | 225718 | 334122 | 7.15% | 0.830% |
| 53 | 13.968 | 2015 | 2020 | 2023 | rBV2 | 1397961 | 1779396 | 38.07% | 4.420% |
| 54 | 13.998 | 2023 | 2025 | 2027 | rVB | 451431 | 331940 | 7.10% | 0.825% |
| 55 | 14.074 | 2036 | 2038 | 2042 | rVB | 75758 | 65160 | 1.39% | 0.162% |
| 56 | 14.157 | 2049 | 2052 | 2055 | rVB2 | 52063 | 49622 | 1.06% | 0.123% |
| 57 | 14.186 | 2055 | 2057 | 2062 | rBV2 | 44660 | 59189 | 1.27% | 0.147% |
| 58 | 14.357 | 2084 | 2086 | 2089 | rVB | 63141 | 53348 | 1.14% | 0.133% |
| 59 | 14.392 | 2089 | 2092 | 2095 | rVB3 | 52095 | 51050 | 1.09% | 0.127% |
| 60 | 14.451 | 2100 | 2102 | 2105 | rBV4 | 61423 | 59690 | 1.28% | 0.148% |
| 61 | 14.833 | 2164 | 2167 | 2172 | rVB | 237869 | 243134 | 5.20% | 0.604% |
| 62 | 14.998 | 2191 | 2195 | 2198 | rBV | 337772 | 483515 | 10.35% | 1.201% |
| 63 | 15.098 | 2209 | 2212 | 2216 | rVB2 | 83530 | 113802 | 2.43% | 0.283% |
| 64 | 15.298 | 2242 | 2246 | 2252 | rVB | 164595 | 212899 | 4.56% | 0.529% |
| 65 | 15.357 | 2252 | 2256 | 2261 | rVB | 256825 | 294215 | 6.30% | 0.731% |
| 66 | 15.415 | 2262 | 2266 | 2270 | rBV | 617826 | 780911 | 16.71% | 1.940% |
| 67 | 15.898 | 2346 | 2348 | 2355 | rVB2 | 42426 | 54855 | 1.17% | 0.136% |
| 68 | 16.839 | 2503 | 2508 | 2516 | rVB3 | 94525 | 196551 | 4.21% | 0.488% |
| 69 | 17.268 | 2575 | 2581 | 2587 | rBV | 69005 | 144422 | 3.09% | 0.359% |

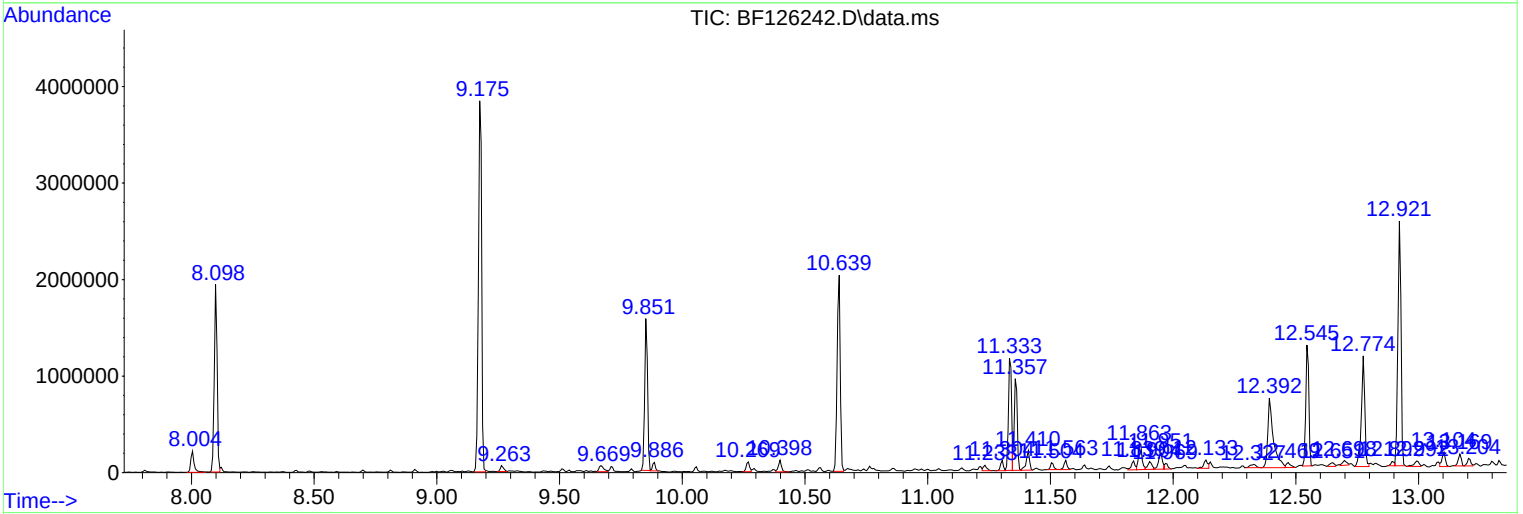
Sum of corrected areas: 40257814

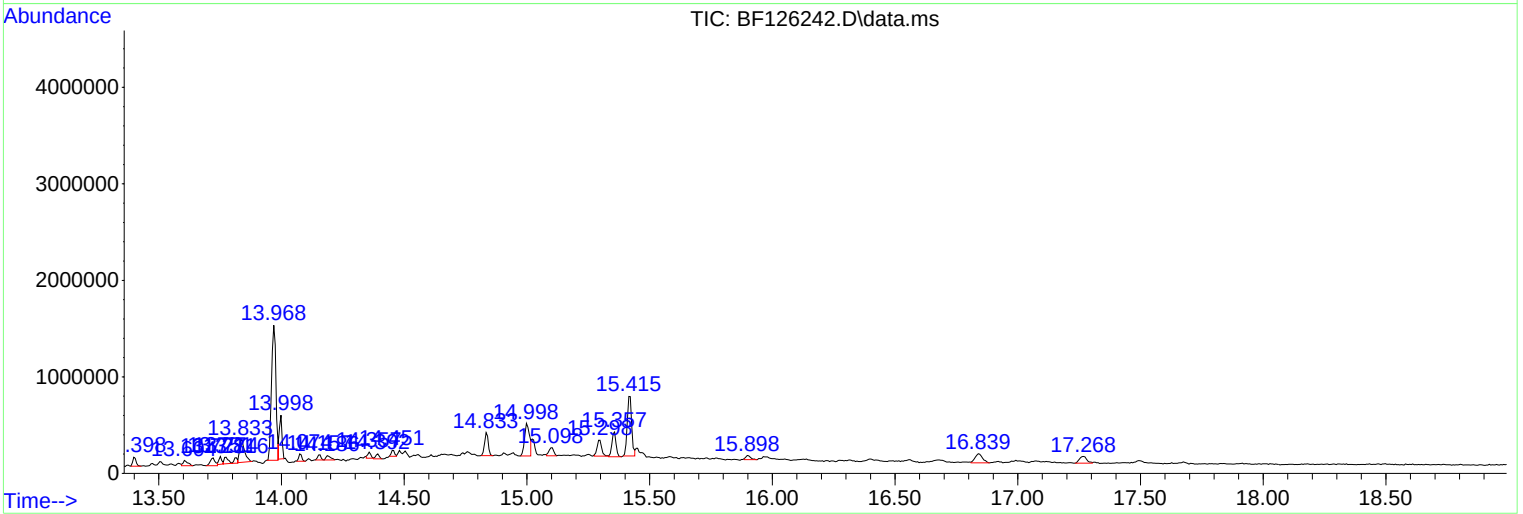
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

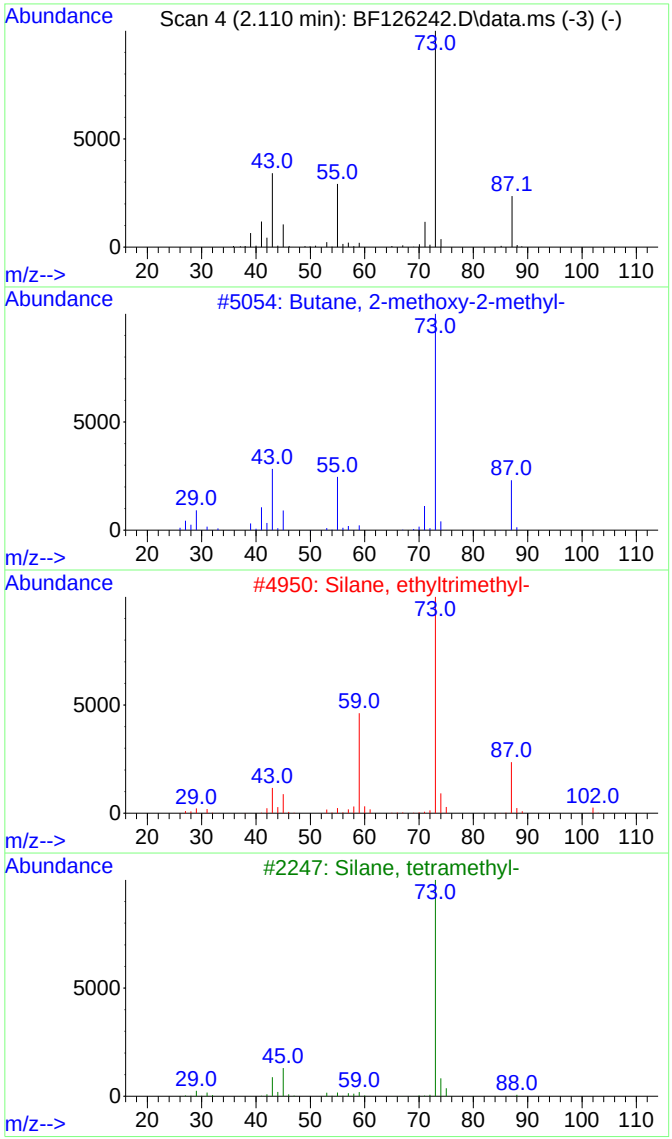
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

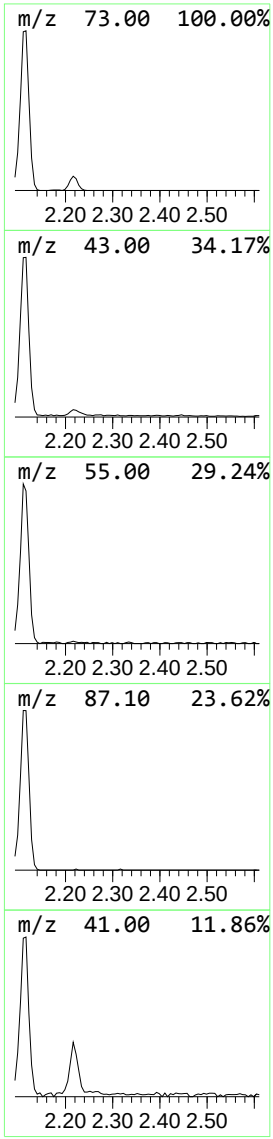
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.110 | 8.84 ng | 551714 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 36 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

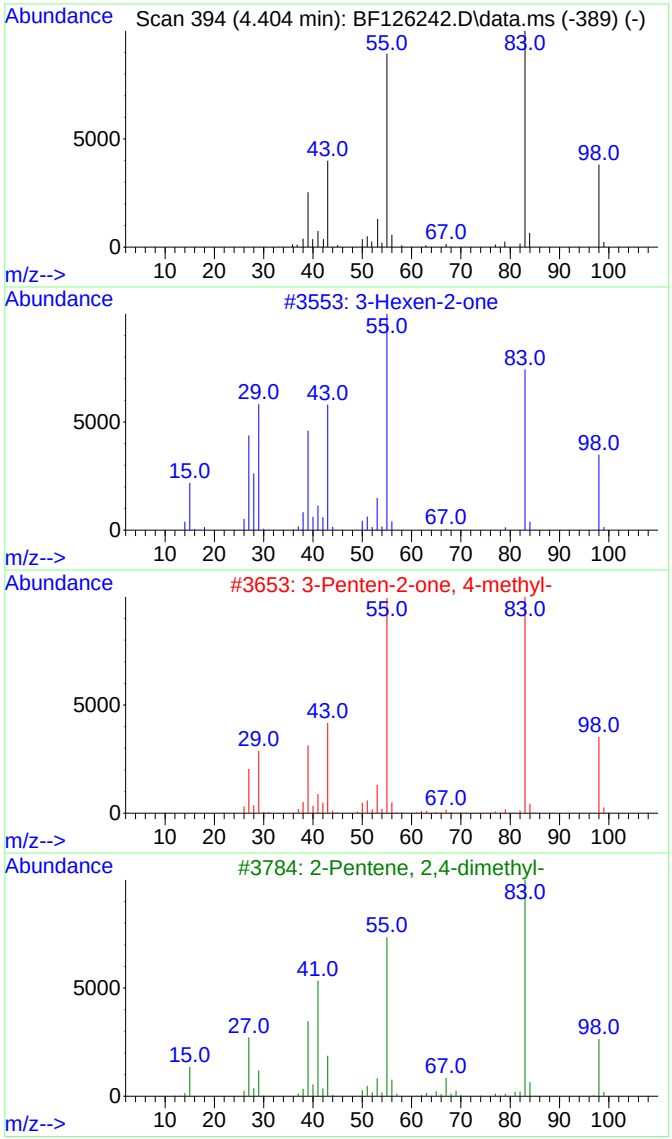
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

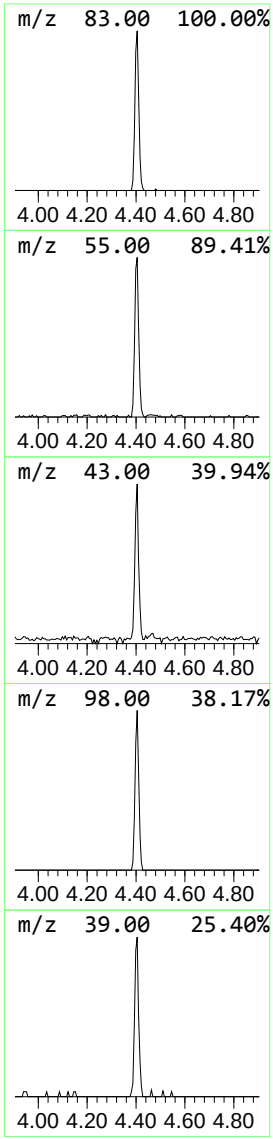
**********

Peak Number 2 3-Hexen-2-one Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.404 | 2.62 ng | 163523 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 2 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 3 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 87 |
| 4 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 80 |
| 5 | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14 | 000690-08-4 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

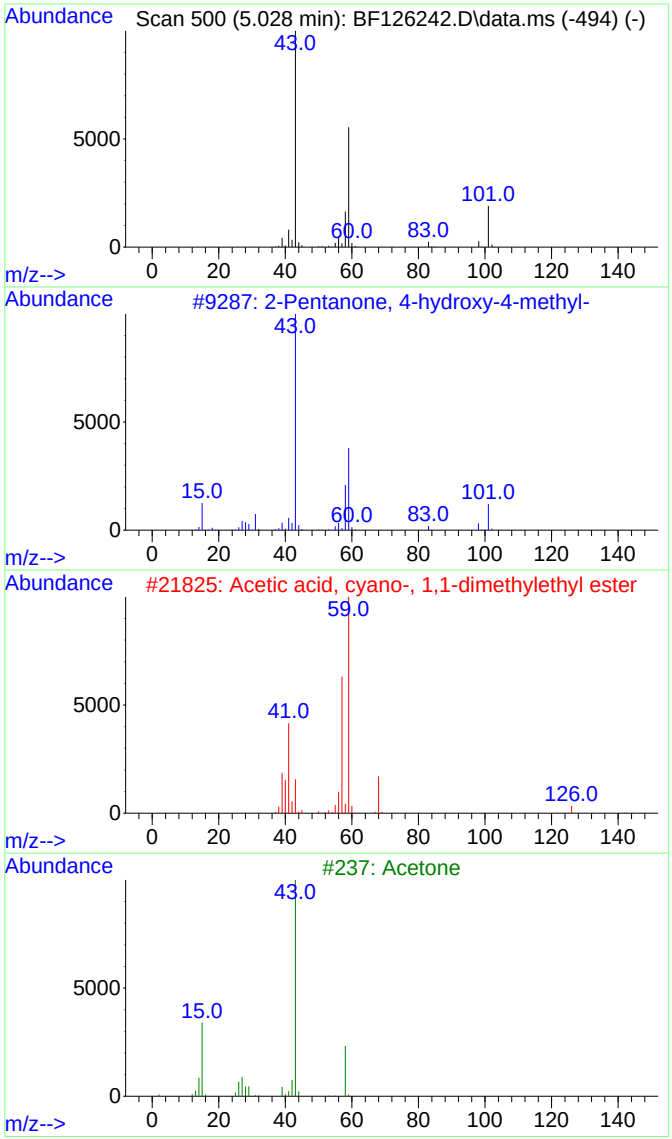
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

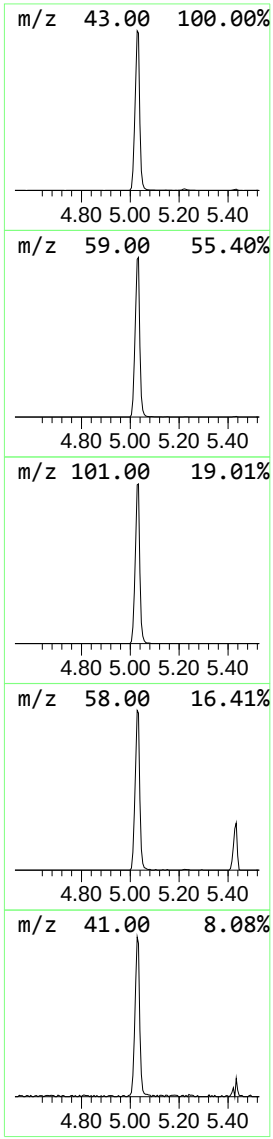
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.028 | 29.55 ng | 1842980 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

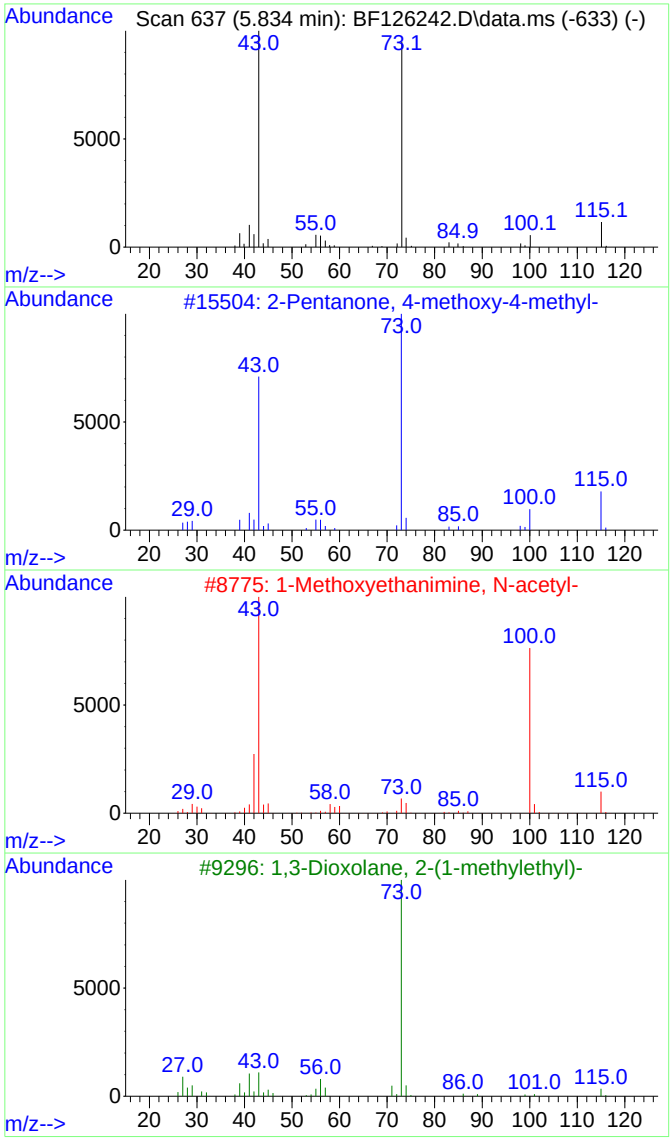
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

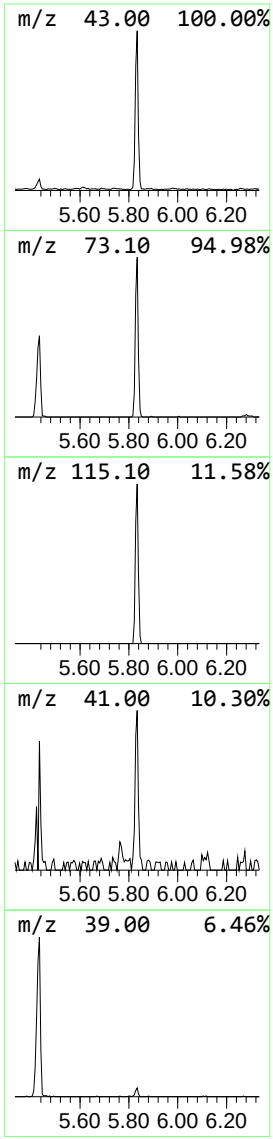
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2-Pentanone, 4-methoxy-4-me... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.834 | 2.41 ng | 150280 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-methoxy-4-methyl- | 130 | C7H14O2 | 000107-70-0 | 74 |
| 2 | 1-Methoxyethanimine, N-acetyl- | 115 | C5H9NO2 | 099028-43-0 | 37 |
| 3 | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 35 |
| 4 | N-.alpha.-Acetylglycinamide | 116 | C4H8N2O2 | 002620-63-5 | 23 |
| 5 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

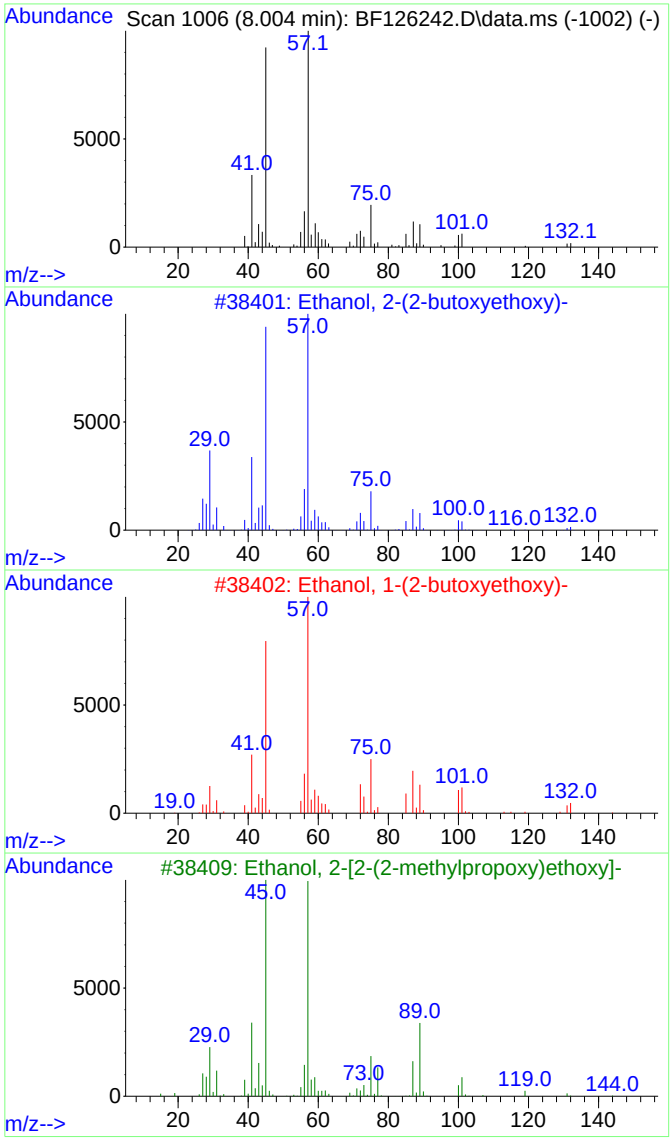
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

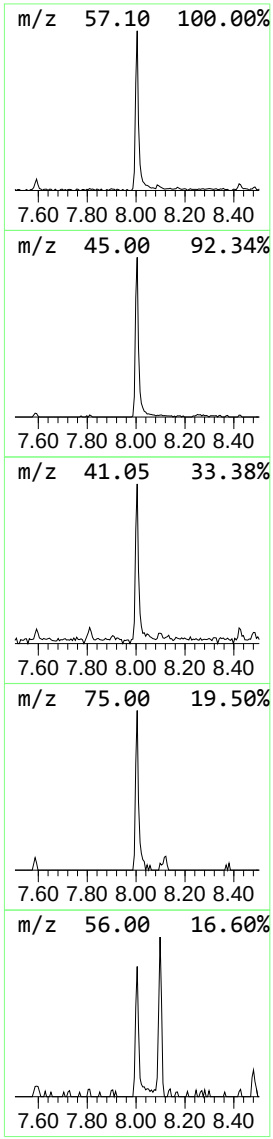
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.004 | 2.63 ng | 207816 | Naphthalene-d8 | 8.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 83 |
| 3 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 78 |
| 4 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 64 |
| 5 | Di-sec-Butyl ether | 130 | C8H18O | 006863-58-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

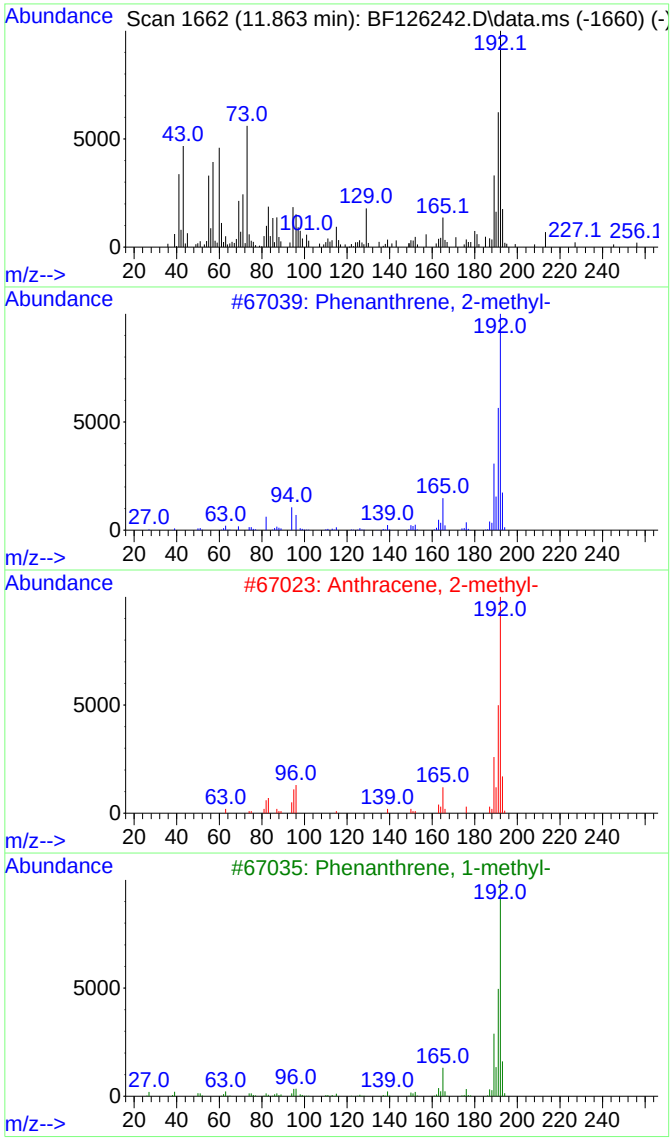
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

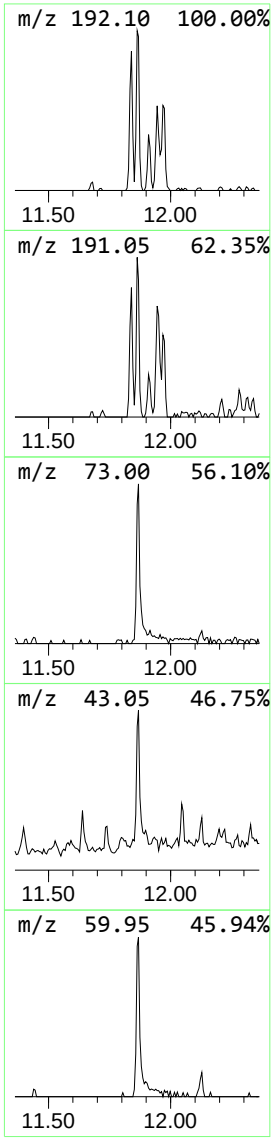
**********

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 5.19 ng | 271424 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

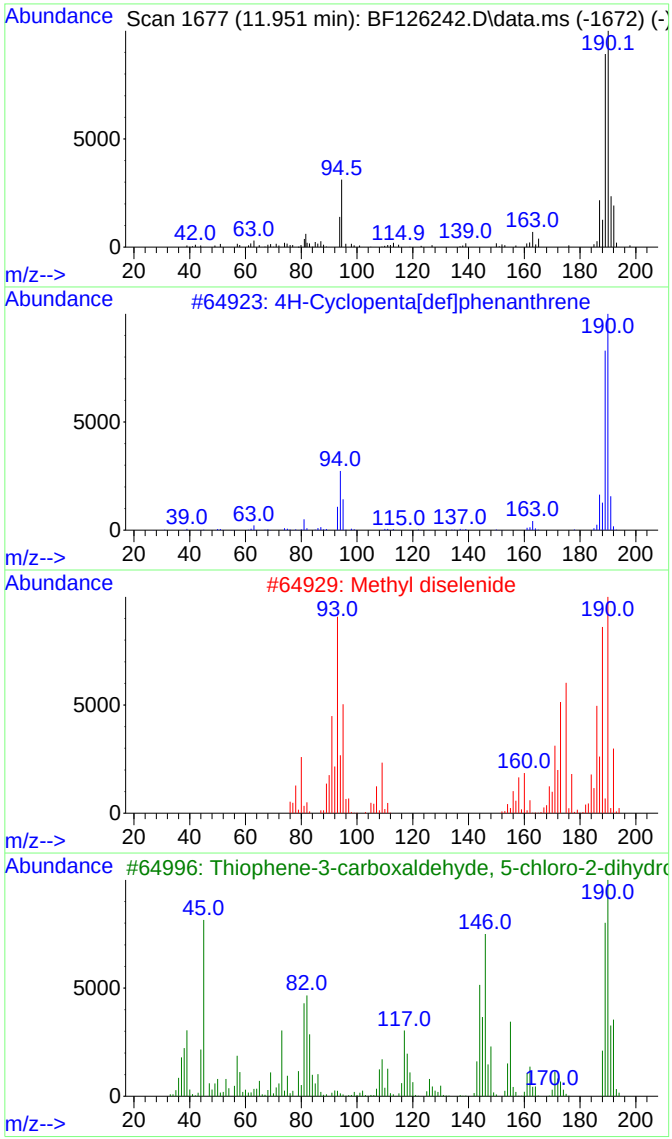
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

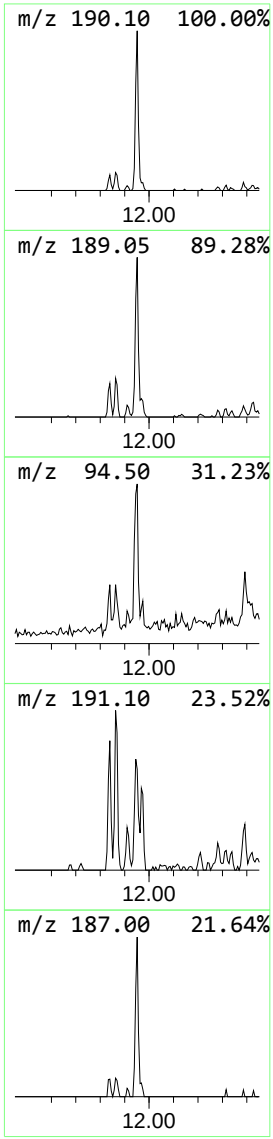
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.951 | 3.65 ng | 190823 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 91 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 43 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 38 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 38 |
| 5 | 6,7-Methylenedioxy-4(3H)-quinazo... | 190 | C9H6N2O3 | 028310-11-4 | 28 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

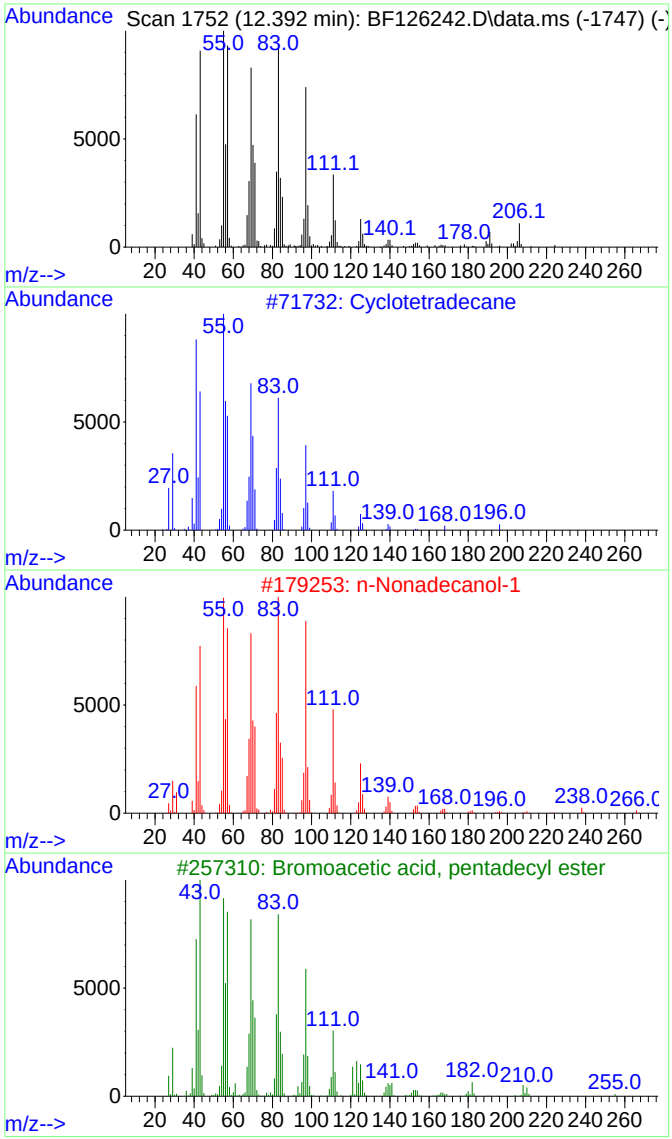
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

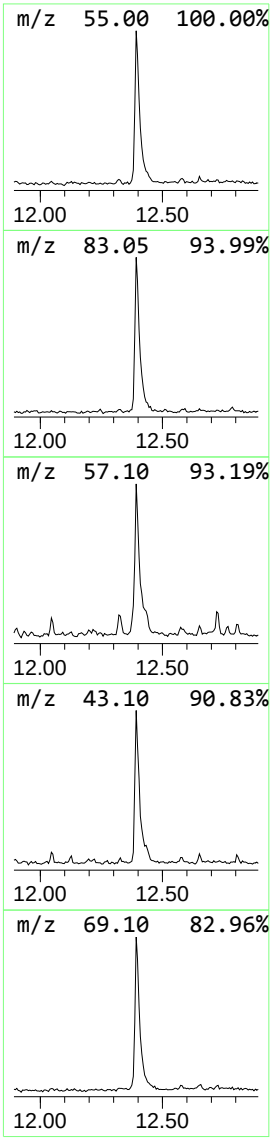
**********

Peak Number 8 Cyclotetradecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.392 | 21.31 ng | 1113610 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 96 |
| 2 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 94 |
| 3 | Bromoacetic acid, pentadecyl ester | 348 | C17H33BrO2 | 131143-01-6 | 94 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 94 |
| 5 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

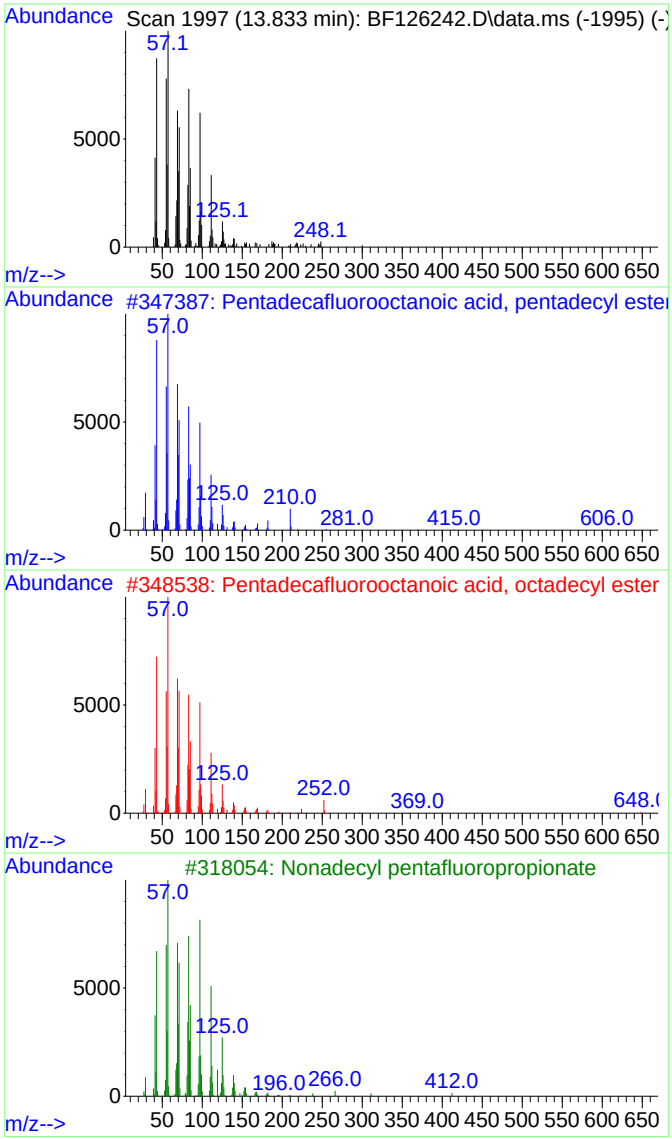
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

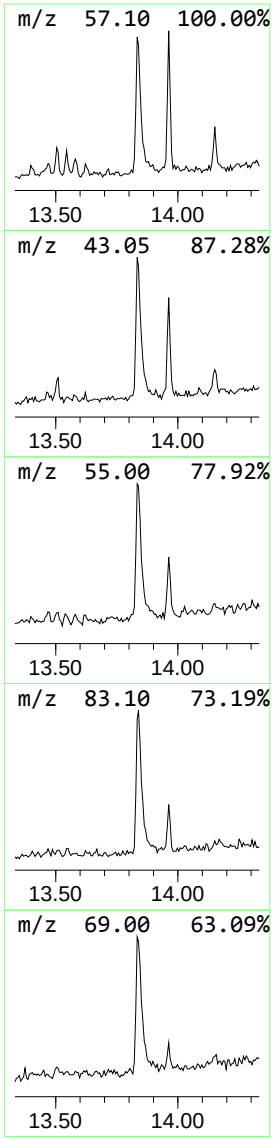
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Pentadecafluorooctanoic aci... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.833 | 3.76 ng | 334122 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecafluorooctanoic acid, pe... | 624 | C23H31F15O2 | 1000406-04-5 | 94 |
| 2 | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 93 |
| 3 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |
| 4 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 5 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1010351-87-0 | 90 |



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Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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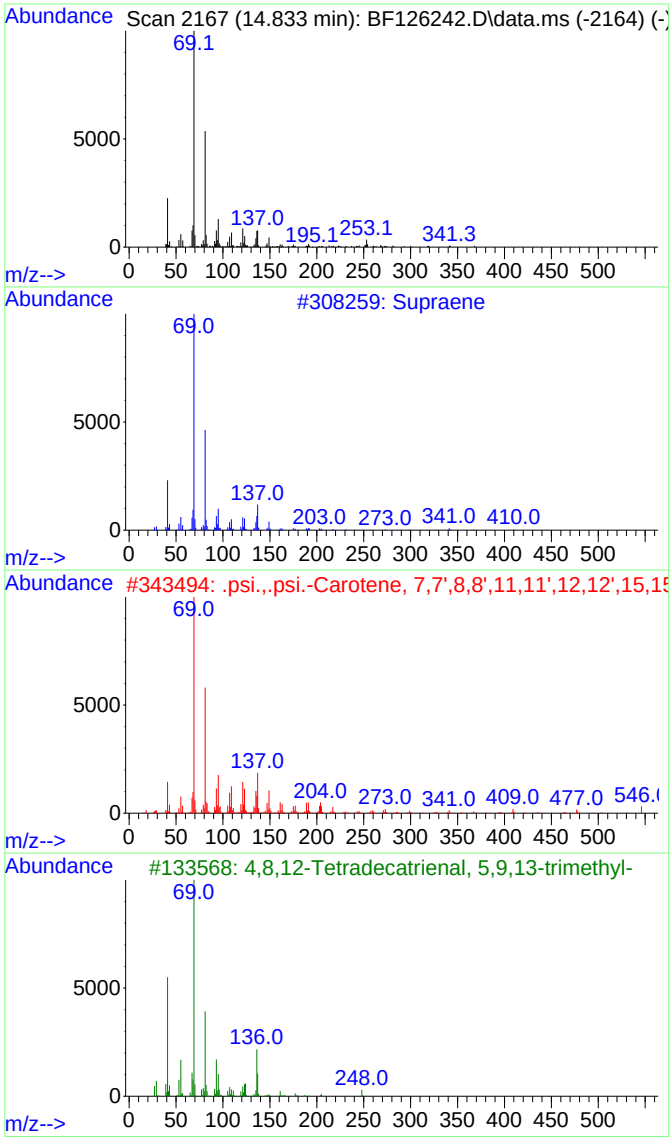
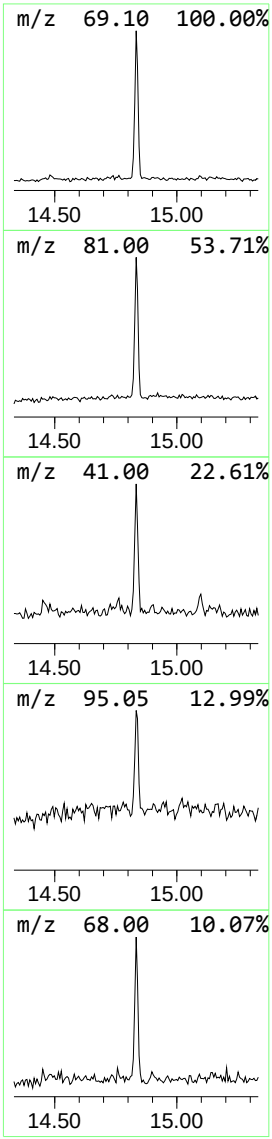
Peak Number 10 Supraene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.833 | 6.23 ng | 243134 | Perylene-d12 | 15.421 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Supraene | 410 | C30H50 | 007683-64-9 | 87 |
| 2 | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66 | 000502-62-5 | 78 |
| 3 | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7 | 72 |
| 4 | 2,6,10,14-Hexadecatetraen-1-ol, ... | 332 | C22H36O2 | 061691-98-3 | 72 |
| 5 | Furan, 3-(4,8-dimethyl-3,7-nonad... | 218 | C15H22O | 023262-34-2 | 72 |



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Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

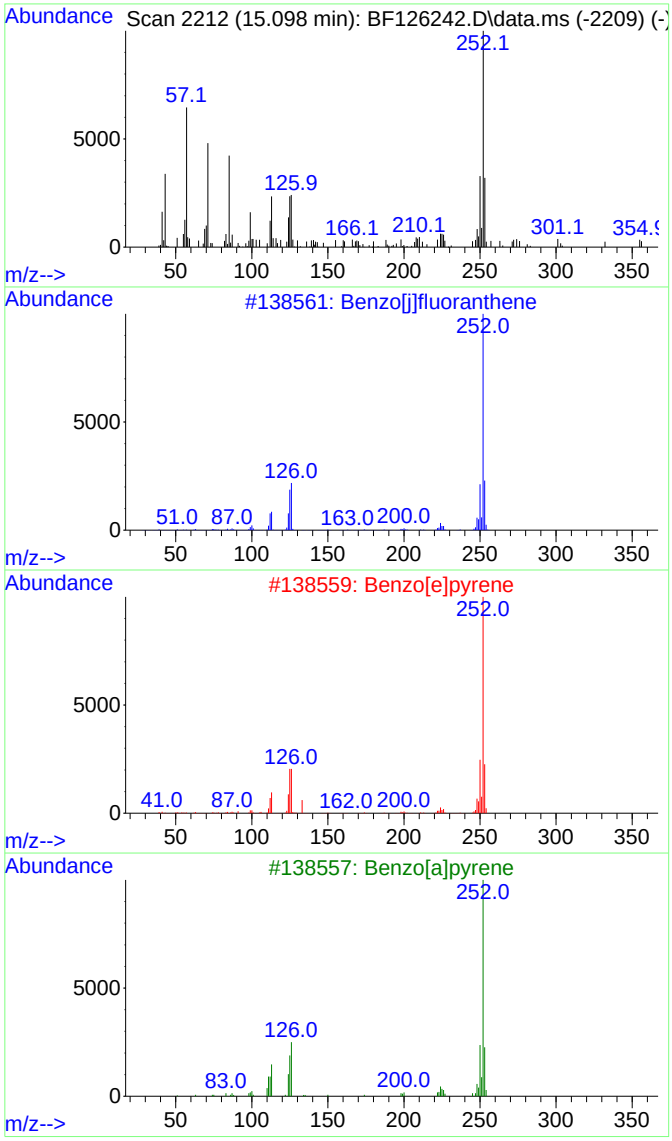
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

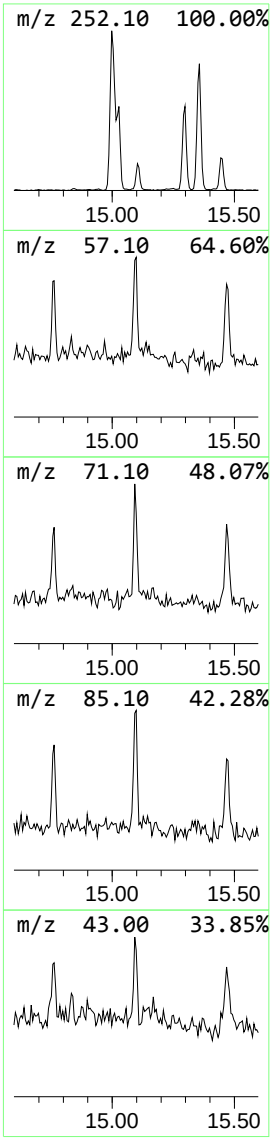
**********

Peak Number 11 Benzo[j]fluoranthene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.098 | 2.91 ng | 113802 | Perylene-d12 | 15.421 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 89 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 78 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 70 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 60 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 50 |



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Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

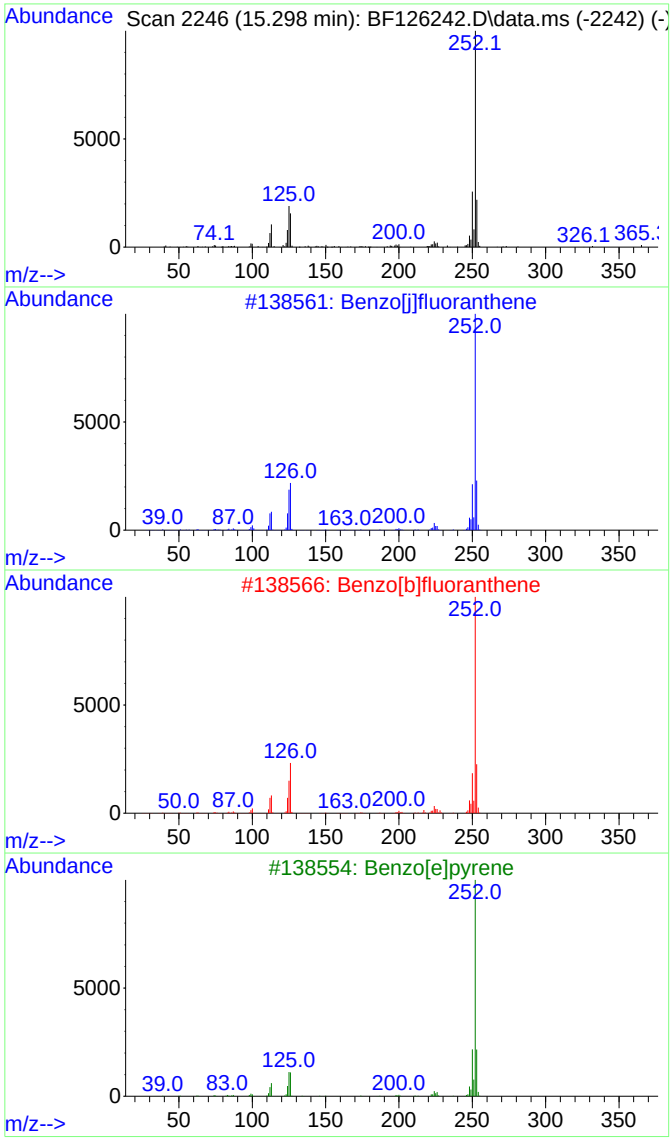
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

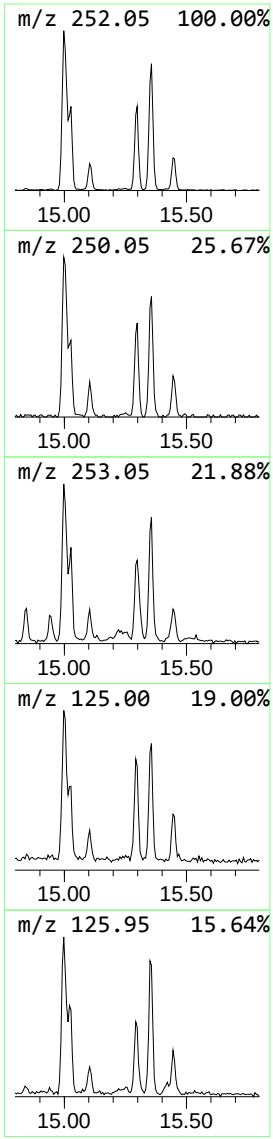
**********

Peak Number 12 Benzo[e]pyrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.298 | 5.45 ng | 212899 | Perylene-d12 | 15.421 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 98 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 98 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 96 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126242.D
Acq On : 17 Dec 2021 18:58
Operator : JU/CG
Sample : M5078-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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... | 2.110 | 8.8 | ng | 551714 | 1 | 6.816 | 1247530 | 20.0 |
| 3-Hexen-2-one | 4.404 | 2.6 | ng | 163523 | 1 | 6.816 | 1247530 | 20.0 |
| 2-Pentanone, 4-... | 5.028 | 29.6 | ng | 1842980 | 1 | 6.816 | 1247530 | 20.0 |
| 2-Pentanone, 4-... | 5.834 | 2.4 | ng | 150280 | 1 | 6.816 | 1247530 | 20.0 |
| Ethanol, 2-(2-b... | 8.004 | 2.6 | ng | 207816 | 2 | 8.098 | 1582430 | 20.0 |
| Phenanthrene, 2... | 11.863 | 5.2 | ng | 271424 | 4 | 11.333 | 1045190 | 20.0 |
| 4H-Cyclopenta[d... | 11.951 | 3.6 | ng | 190823 | 4 | 11.333 | 1045190 | 20.0 |
| Cyclotetradecane | 12.392 | 21.3 | ng | 1113610 | 4 | 11.333 | 1045190 | 20.0 |
| Pentadecafluoro... | 13.833 | 3.8 | ng | 334122 | 5 | 13.974 | 1779400 | 20.0 |
| Supraene | 14.833 | 6.2 | ng | 243134 | 6 | 15.421 | 780911 | 20.0 |
| Benzo[j]fluoran... | 15.098 | 2.9 | ng | 113802 | 6 | 15.421 | 780911 | 20.0 |
| Benzo[e]pyrene | 15.298 | 5.5 | ng | 212899 | 6 | 15.421 | 780911 | 20.0 |