LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
Data File : BF129278.D
Acq On : 18 Jul 2022 20:49
Operator : CG\JU
Sample : N3746-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CL-02-071522

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-BF071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129278.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.981 | 283 | 288 | 292 | rVB | 23670 | 29817 | 1.73% | 0.160% |
| 2 | 5.516 | 545 | 549 | 557 | rVB | 914083 | 795189 | 46.20% | 4.277% |
| 3 | 6.522 | 716 | 720 | 726 | rBV | 901060 | 743754 | 43.21% | 4.001% |
| 4 | 6.898 | 781 | 784 | 788 | rBV | 1604360 | 1382450 | 80.33% | 7.436% |
| 5 | 7.457 | 876 | 879 | 883 | rBV | 570906 | 442855 | 25.73% | 2.382% |
| 6 | 8.187 | 999 | 1003 | 1005 | rBV | 1831453 | 1654017 | 96.10% | 8.897% |
| 7 | 8.204 | 1005 | 1006 | 1009 | rVB | 78941 | 43729 | 2.54% | 0.235% |
| 8 | 8.898 | 1121 | 1124 | 1127 | rBV | 47027 | 40689 | 2.36% | 0.219% |
| 9 | 8.992 | 1137 | 1140 | 1147 | rVB | 43998 | 46838 | 2.72% | 0.252% |
| 10 | 9.257 | 1181 | 1185 | 1188 | rBV | 957821 | 779588 | 45.30% | 4.194% |
| 11 | 9.528 | 1226 | 1231 | 1233 | rBV3 | 24459 | 33991 | 1.97% | 0.183% |
| 12 | 9.598 | 1239 | 1243 | 1245 | rBV | 38428 | 39781 | 2.31% | 0.214% |
| 13 | 9.798 | 1274 | 1277 | 1280 | rBV | 83134 | 80238 | 4.66% | 0.432% |
| 14 | 9.939 | 1295 | 1301 | 1304 | rBV | 1915581 | 1586537 | 92.18% | 8.534% |
| 15 | 9.975 | 1304 | 1307 | 1310 | rVB | 75498 | 69994 | 4.07% | 0.377% |
| 16 | 10.145 | 1330 | 1336 | 1339 | rVV2 | 47575 | 62731 | 3.64% | 0.337% |
| 17 | 10.181 | 1339 | 1342 | 1345 | rVB | 29121 | 23100 | 1.34% | 0.124% |
| 18 | 10.251 | 1351 | 1354 | 1357 | rBV2 | 25274 | 28581 | 1.66% | 0.154% |
| 19 | 10.345 | 1366 | 1370 | 1371 | rBV3 | 22261 | 24722 | 1.44% | 0.133% |
| 20 | 10.486 | 1391 | 1394 | 1400 | rVB | 112323 | 103318 | 6.00% | 0.556% |
| 21 | 10.728 | 1431 | 1435 | 1439 | rBV | 491472 | 408571 | 23.74% | 2.198% |
| 22 | 10.845 | 1451 | 1455 | 1463 | rVB4 | 47326 | 81033 | 4.71% | 0.436% |
| 23 | 11.033 | 1483 | 1487 | 1490 | rBV2 | 30288 | 39360 | 2.29% | 0.212% |
| 24 | 11.280 | 1526 | 1529 | 1532 | rBV4 | 30429 | 30135 | 1.75% | 0.162% |
| 25 | 11.310 | 1532 | 1534 | 1535 | rVV | 32488 | 31176 | 1.81% | 0.168% |
| 26 | 11.328 | 1535 | 1537 | 1540 | rVB | 63310 | 52899 | 3.07% | 0.285% |
| 27 | 11.428 | 1551 | 1554 | 1557 | rBV | 1622809 | 1578315 | 91.71% | 8.490% |
| 28 | 11.451 | 1557 | 1558 | 1562 | rVV | 667945 | 478120 | 27.78% | 2.572% |
| 29 | 11.504 | 1564 | 1567 | 1570 | rVV | 197466 | 153885 | 8.94% | 0.828% |
| 30 | 11.539 | 1570 | 1573 | 1576 | rVB2 | 26449 | 30844 | 1.79% | 0.166% |
| 31 | 11.657 | 1591 | 1593 | 1597 | rBV | 78862 | 69343 | 4.03% | 0.373% |
| 32 | 11.763 | 1608 | 1611 | 1615 | rVB | 50088 | 51824 | 3.01% | 0.279% |
| 33 | 11.810 | 1616 | 1619 | 1622 | rBV4 | 27184 | 26789 | 1.56% | 0.144% |
| 34 | 11.845 | 1622 | 1625 | 1627 | rBV | 37060 | 38711 | 2.25% | 0.208% |
| 35 | 11.933 | 1637 | 1640 | 1642 | rBV | 121601 | 127282 | 7.40% | 0.685% |
| 36 | 11.957 | 1642 | 1644 | 1648 | rVB | 151608 | 136493 | 7.93% | 0.734% |

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Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.004 | 1650 | 1652 | 1655 | rBV | 49791 | 48576 | 2.82% | 0.261% |
| 38 | 12.045 | 1655 | 1659 | 1661 | rBV2 | 204911 | 224140 | 13.02% | 1.206% |
| 39 | 12.069 | 1661 | 1663 | 1666 | rVB | 97842 | 74824 | 4.35% | 0.402% |
| 40 | 12.116 | 1668 | 1671 | 1673 | rBV3 | 41484 | 39133 | 2.27% | 0.211% |
| 41 | 12.163 | 1677 | 1679 | 1681 | rBV2 | 32823 | 28627 | 1.66% | 0.154% |
| 42 | 12.227 | 1687 | 1690 | 1692 | rBV2 | 76382 | 71080 | 4.13% | 0.382% |
| 43 | 12.257 | 1692 | 1695 | 1697 | rVB2 | 46559 | 46755 | 2.72% | 0.252% |
| 44 | 12.357 | 1710 | 1712 | 1714 | rBV2 | 51938 | 49779 | 2.89% | 0.268% |
| 45 | 12.410 | 1718 | 1721 | 1723 | rBV | 44307 | 48479 | 2.82% | 0.261% |
| 46 | 12.480 | 1730 | 1733 | 1736 | rBV | 131056 | 146136 | 8.49% | 0.786% |
| 47 | 12.569 | 1746 | 1748 | 1752 | rBV3 | 46971 | 75833 | 4.41% | 0.408% |
| 48 | 12.645 | 1758 | 1761 | 1765 | rBV | 841705 | 715333 | 41.56% | 3.848% |
| 49 | 12.798 | 1785 | 1787 | 1789 | rBV | 70088 | 58717 | 3.41% | 0.316% |
| 50 | 12.875 | 1794 | 1800 | 1806 | rBV | 882553 | 973827 | 56.58% | 5.238% |
| 51 | 12.992 | 1817 | 1820 | 1821 | rBV2 | 65817 | 74458 | 4.33% | 0.401% |
| 52 | 13.010 | 1821 | 1823 | 1826 | rVV | 792138 | 713848 | 41.48% | 3.840% |
| 53 | 13.204 | 1853 | 1856 | 1858 | rVB | 163990 | 159706 | 9.28% | 0.859% |
| 54 | 13.269 | 1865 | 1867 | 1870 | rVB | 124917 | 103546 | 6.02% | 0.557% |
| 55 | 13.310 | 1871 | 1874 | 1876 | rVV2 | 113943 | 109503 | 6.36% | 0.589% |
| 56 | 14.074 | 2000 | 2004 | 2007 | rBV2 | 1479127 | 1721066 | 100.00% | 9.258% |
| 57 | 14.104 | 2007 | 2009 | 2011 | rVB | 271486 | 211827 | 12.31% | 1.139% |
| 58 | 14.169 | 2017 | 2020 | 2024 | rBV2 | 208829 | 244442 | 14.20% | 1.315% |
| 59 | 15.574 | 2255 | 2259 | 2278 | rVB2 | 880409 | 1303993 | 75.77% | 7.014% |

Sum of corrected areas: 18590327

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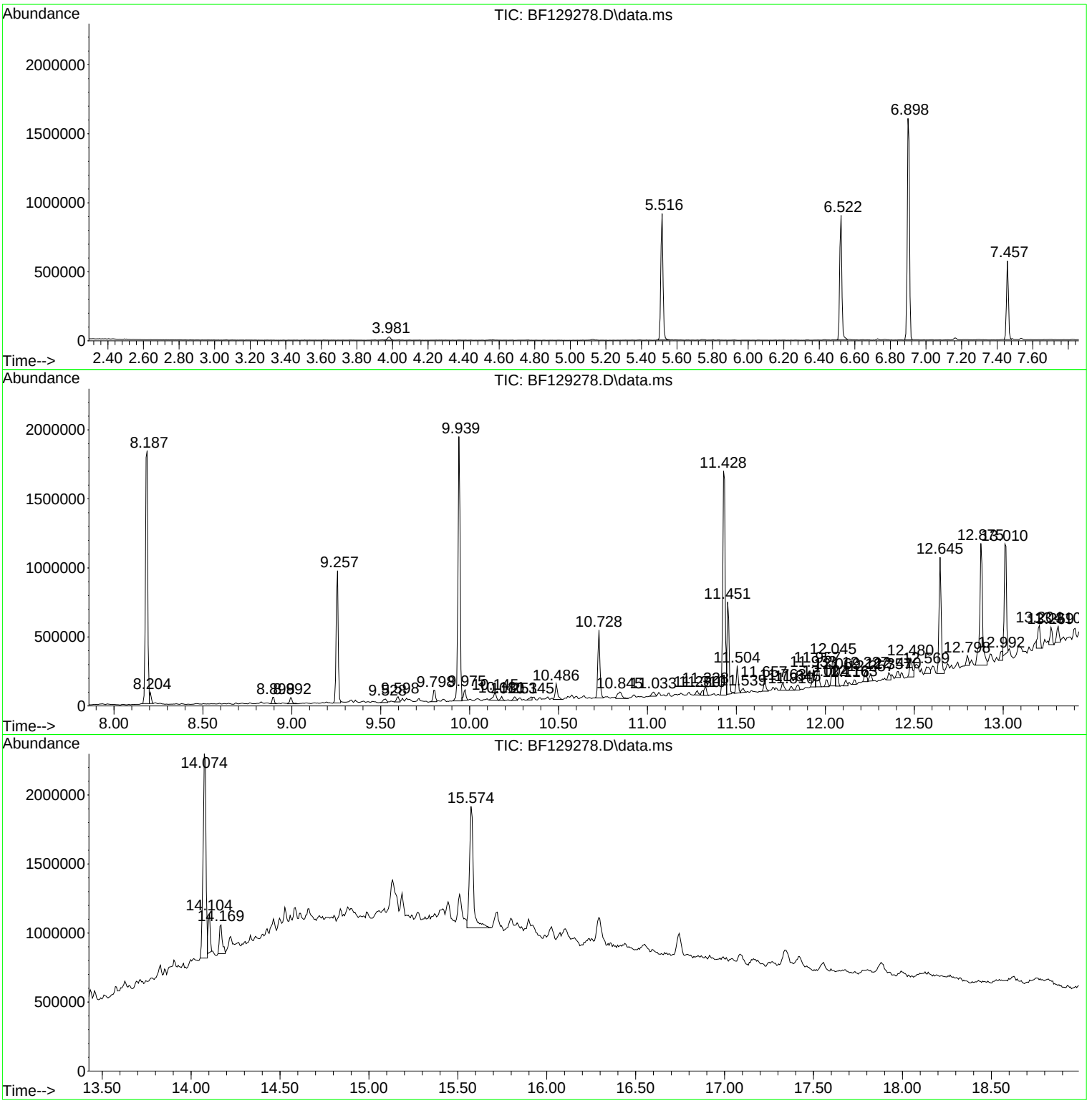
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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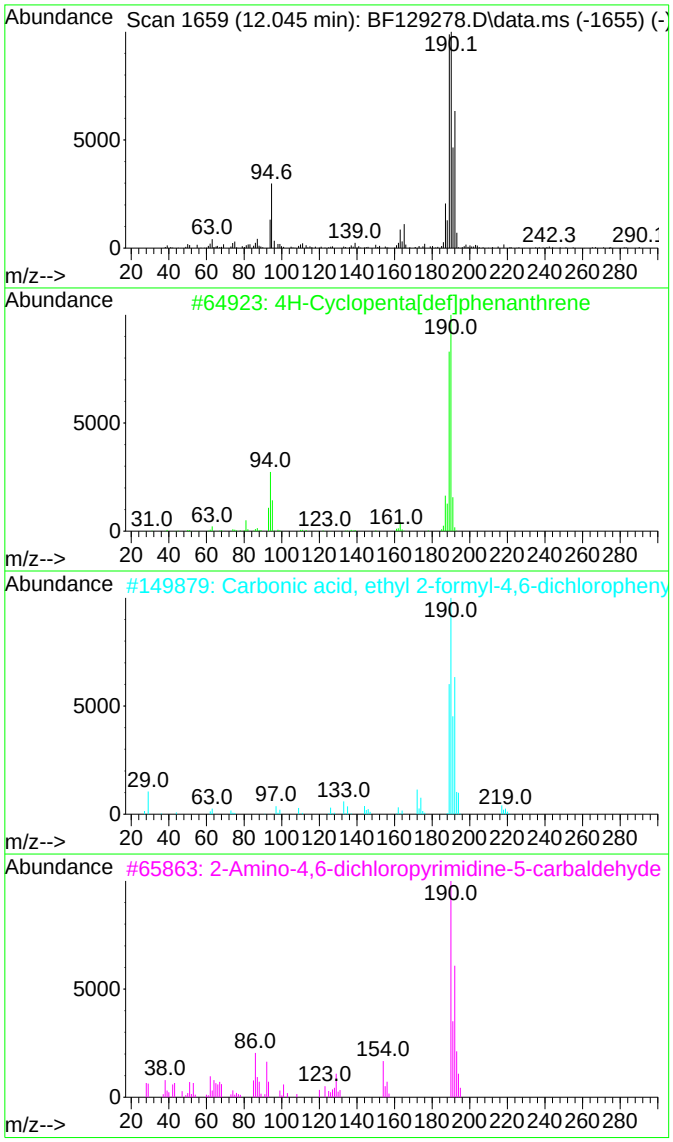
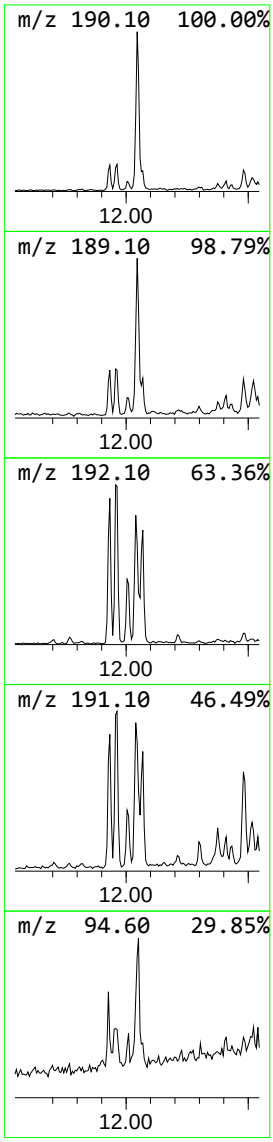
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.045 | 2.84 ng | 224140 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 2 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 38 |
| 3 | 2-Amino-4,6-dichloropyrimidine-5... | 191 | C5H3Cl2N3O | 005604-46-6 | 35 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 18 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 14 |



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**Instrument :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
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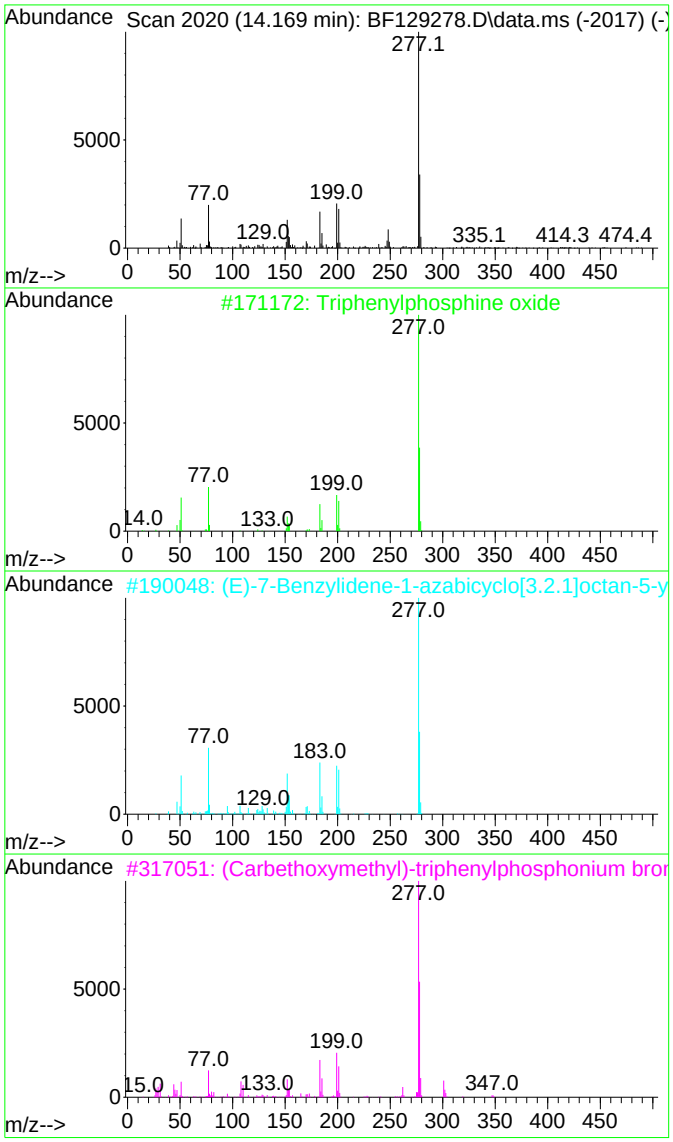
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

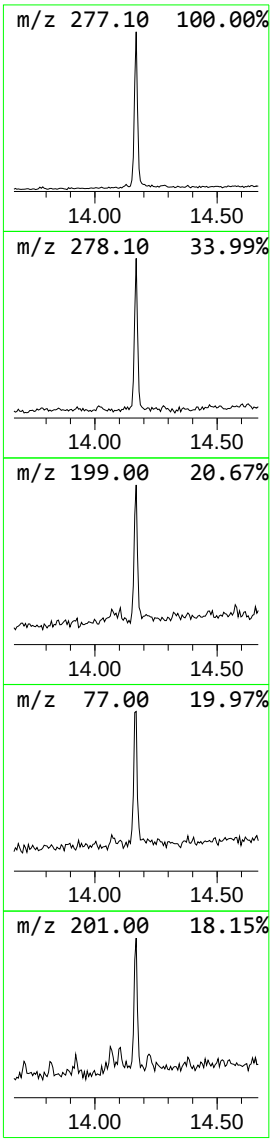
**********

Peak Number 2 Triphenylphosphine oxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.169 | 2.84 ng | 244442 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 96 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 86 |
| 3 | (Carbethoxymethyl)-triphenylphos... | 428 | C22H22BrO2P | 001530-45-6 | 50 |
| 4 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 40 |
| 5 | Terephthalic acid, hexyl 2-pheno... | 370 | C22H26O5 | 1010416-04-5 | 32 |



Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 4H-Cyclopenta[d... | 12.045 | 2.8 | ng | 224140 | 4 | 11.433 | 1578320 | 20.0 |
| Triphenylphosph... | 14.169 | 2.8 | ng | 244442 | 5 | 14.080 | 1721070 | 20.0 |