LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.257 | 25 | 29 | 35 | rVB | 32950 | 43851 | 3.49% | 0.240% |
| 2 | 5.187 | 524 | 527 | 532 | rBV | 28067 | 36598 | 2.91% | 0.200% |
| 3 | 5.592 | 593 | 596 | 624 | rBV | 378446 | 871671 | 69.32% | 4.764% |
| 4 | 6.592 | 763 | 766 | 787 | rBV | 421589 | 1013388 | 80.59% | 5.538% |
| 5 | 6.734 | 787 | 790 | 826 | rVB | 785236 | 1257422 | 100.00% | 6.872% |
| 6 | 6.969 | 826 | 830 | 846 | rBV | 340998 | 600020 | 47.72% | 3.279% |
| 7 | 7.116 | 852 | 855 | 870 | rBV | 674052 | 845547 | 67.24% | 4.621% |
| 8 | 7.528 | 922 | 925 | 943 | rBV | 281726 | 625630 | 49.75% | 3.419% |
| 9 | 7.681 | 949 | 951 | 957 | rVB | 16272 | 16411 | 1.31% | 0.090% |
| 10 | 8.245 | 1044 | 1047 | 1068 | rBV | 621471 | 925050 | 73.57% | 5.056% |
| 11 | 8.816 | 1139 | 1144 | 1149 | rBV2 | 17590 | 16775 | 1.33% | 0.092% |
| 12 | 8.963 | 1166 | 1169 | 1175 | rBV | 18070 | 27300 | 2.17% | 0.149% |
| 13 | 9.057 | 1182 | 1185 | 1190 | rBV | 16782 | 18481 | 1.47% | 0.101% |
| 14 | 9.316 | 1225 | 1229 | 1238 | rBV | 1107231 | 1224037 | 97.34% | 6.690% |
| 15 | 9.380 | 1238 | 1240 | 1245 | rVV | 66391 | 86373 | 6.87% | 0.472% |
| 16 | 9.422 | 1245 | 1247 | 1251 | rVV3 | 23162 | 34122 | 2.71% | 0.186% |
| 17 | 9.457 | 1251 | 1253 | 1258 | rVV4 | 12768 | 17481 | 1.39% | 0.096% |
| 18 | 9.586 | 1269 | 1275 | 1280 | rBV7 | 15026 | 32272 | 2.57% | 0.176% |
| 19 | 9.657 | 1284 | 1287 | 1290 | rVV | 26985 | 29292 | 2.33% | 0.160% |
| 20 | 9.704 | 1290 | 1295 | 1303 | rVB3 | 62065 | 108230 | 8.61% | 0.592% |
| 21 | 9.857 | 1319 | 1321 | 1326 | rBV4 | 15245 | 17958 | 1.43% | 0.098% |
| 22 | 9.910 | 1327 | 1330 | 1334 | rVB | 71500 | 60226 | 4.79% | 0.329% |
| 23 | 10.004 | 1342 | 1346 | 1350 | rBV | 884377 | 855476 | 68.03% | 4.675% |
| 24 | 10.086 | 1358 | 1360 | 1367 | rVB2 | 58819 | 63662 | 5.06% | 0.348% |
| 25 | 10.204 | 1376 | 1380 | 1383 | rBV2 | 21411 | 36416 | 2.90% | 0.199% |
| 26 | 10.239 | 1383 | 1386 | 1390 | rVB3 | 24627 | 35277 | 2.81% | 0.193% |
| 27 | 10.269 | 1390 | 1391 | 1395 | rVB3 | 14775 | 12595 | 1.00% | 0.069% |
| 28 | 10.316 | 1395 | 1399 | 1400 | rBV2 | 29969 | 27429 | 2.18% | 0.150% |
| 29 | 10.386 | 1409 | 1411 | 1413 | rBV | 80972 | 70503 | 5.61% | 0.385% |
| 30 | 10.410 | 1413 | 1415 | 1419 | rVB | 96498 | 83552 | 6.64% | 0.457% |
| 31 | 10.557 | 1432 | 1440 | 1445 | rBV3 | 34379 | 80249 | 6.38% | 0.439% |
| 32 | 10.633 | 1449 | 1453 | 1455 | rVV2 | 48193 | 61810 | 4.92% | 0.338% |
| 33 | 10.657 | 1455 | 1457 | 1460 | rVV4 | 17531 | 21130 | 1.68% | 0.115% |
| 34 | 10.710 | 1464 | 1466 | 1469 | rVV2 | 30098 | 30713 | 2.44% | 0.168% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.745 | 1469 | 1472 | 1476 | rVV3 | 24088 | 31155 | 2.48% | 0.170% |
| 36 | 10.798 | 1477 | 1481 | 1493 | rVV | 487975 | 686077 | 54.56% | 3.750% |
| 37 | 10.886 | 1493 | 1496 | 1497 | rVV | 92748 | 76801 | 6.11% | 0.420% |
| 38 | 10.910 | 1498 | 1500 | 1506 | rVB | 113614 | 123590 | 9.83% | 0.675% |
| 39 | 10.963 | 1506 | 1509 | 1511 | rBV | 221728 | 185406 | 14.74% | 1.013% |
| 40 | 10.992 | 1511 | 1514 | 1518 | rVV2 | 186491 | 245738 | 19.54% | 1.343% |
| 41 | 11.027 | 1518 | 1520 | 1523 | rVV | 215260 | 198219 | 15.76% | 1.083% |
| 42 | 11.057 | 1523 | 1525 | 1527 | rVV | 122374 | 100204 | 7.97% | 0.548% |
| 43 | 11.098 | 1527 | 1532 | 1533 | rVV3 | 89352 | 138558 | 11.02% | 0.757% |
| 44 | 11.145 | 1536 | 1540 | 1543 | rVV3 | 191592 | 231334 | 18.40% | 1.264% |
| 45 | 11.180 | 1543 | 1546 | 1548 | rVV | 229592 | 202655 | 16.12% | 1.108% |
| 46 | 11.222 | 1551 | 1553 | 1557 | rVB2 | 131293 | 110690 | 8.80% | 0.605% |
| 47 | 11.333 | 1570 | 1572 | 1575 | rBV | 59478 | 56658 | 4.51% | 0.310% |
| 48 | 11.363 | 1575 | 1577 | 1581 | rVV | 48072 | 45490 | 3.62% | 0.249% |
| 49 | 11.398 | 1581 | 1583 | 1594 | rVB5 | 37840 | 71363 | 5.68% | 0.390% |
| 50 | 11.504 | 1597 | 1601 | 1603 | rBV | 602926 | 707443 | 56.26% | 3.866% |
| 51 | 11.527 | 1603 | 1605 | 1611 | rVV | 374383 | 422226 | 33.58% | 2.308% |
| 52 | 11.580 | 1611 | 1614 | 1623 | rVB | 84044 | 122955 | 9.78% | 0.672% |
| 53 | 11.763 | 1643 | 1645 | 1648 | rVB | 58366 | 46407 | 3.69% | 0.254% |
| 54 | 11.833 | 1655 | 1657 | 1660 | rVB2 | 23076 | 22191 | 1.76% | 0.121% |
| 55 | 11.921 | 1668 | 1672 | 1675 | rBV6 | 15079 | 27406 | 2.18% | 0.150% |
| 56 | 12.004 | 1683 | 1686 | 1688 | rBV | 69816 | 75097 | 5.97% | 0.410% |
| 57 | 12.039 | 1688 | 1692 | 1696 | rVV2 | 194804 | 233750 | 18.59% | 1.278% |
| 58 | 12.080 | 1697 | 1699 | 1702 | rVV | 30235 | 34361 | 2.73% | 0.188% |
| 59 | 12.116 | 1702 | 1705 | 1708 | rVV2 | 88863 | 126244 | 10.04% | 0.690% |
| 60 | 12.174 | 1712 | 1715 | 1720 | rBV2 | 65201 | 67852 | 5.40% | 0.371% |
| 61 | 12.239 | 1723 | 1726 | 1728 | rBV2 | 18000 | 18559 | 1.48% | 0.101% |
| 62 | 12.298 | 1733 | 1736 | 1738 | rBV2 | 35576 | 37580 | 2.99% | 0.205% |
| 63 | 12.427 | 1756 | 1758 | 1760 | rBV3 | 23632 | 25966 | 2.07% | 0.142% |
| 64 | 12.504 | 1769 | 1771 | 1776 | rVB5 | 19343 | 23880 | 1.90% | 0.131% |
| 65 | 12.557 | 1776 | 1780 | 1782 | rBV2 | 69673 | 93144 | 7.41% | 0.509% |
| 66 | 12.645 | 1792 | 1795 | 1797 | rBV2 | 41974 | 52124 | 4.15% | 0.285% |
| 67 | 12.721 | 1804 | 1808 | 1817 | rBV | 650868 | 762624 | 60.65% | 4.168% |
| 68 | 12.951 | 1841 | 1847 | 1853 | rBV | 555848 | 827615 | 65.82% | 4.523% |
| 69 | 13.080 | 1866 | 1869 | 1880 | rVB | 776356 | 838449 | 66.68% | 4.582% |
| 70 | 13.633 | 1961 | 1963 | 1966 | rBV | 50837 | 41340 | 3.29% | 0.226% |
| 71 | 13.962 | 2016 | 2019 | 2025 | rBV4 | 81469 | 95176 | 7.57% | 0.520% |

LSC Area Percent Report

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Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.157 | 2047 | 2052 | 2055 | rBV2 | 764789 | 1032326 | 82.10% | 5.642% |
| 73 | 15.245 | 2234 | 2237 | 2240 | rBV | 130054 | 190312 | 15.14% | 1.040% |
| 74 | 15.704 | 2312 | 2315 | 2329 | rVB2 | 299476 | 581320 | 46.23% | 3.177% |

Sum of corrected areas: 18297232

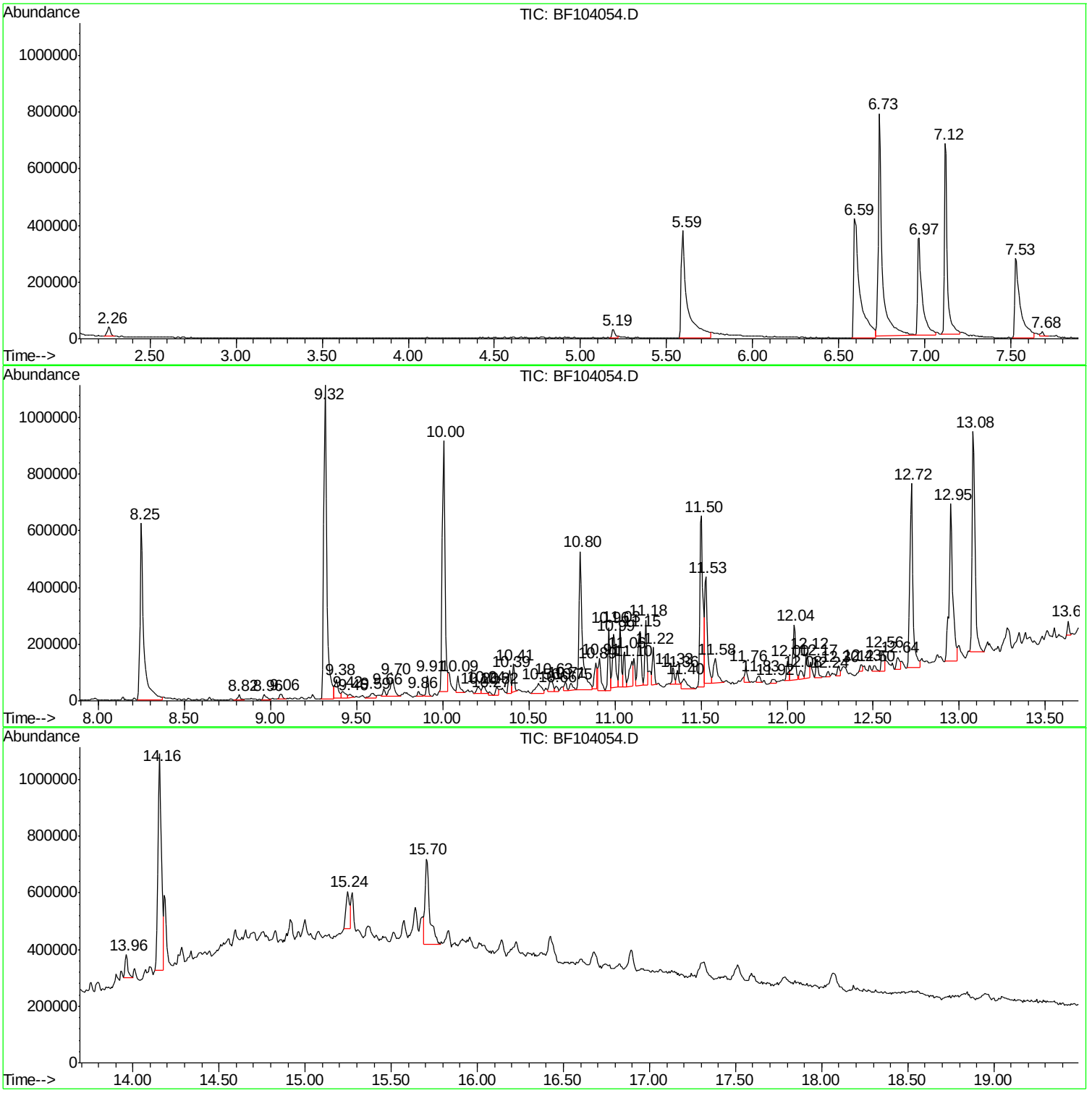
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

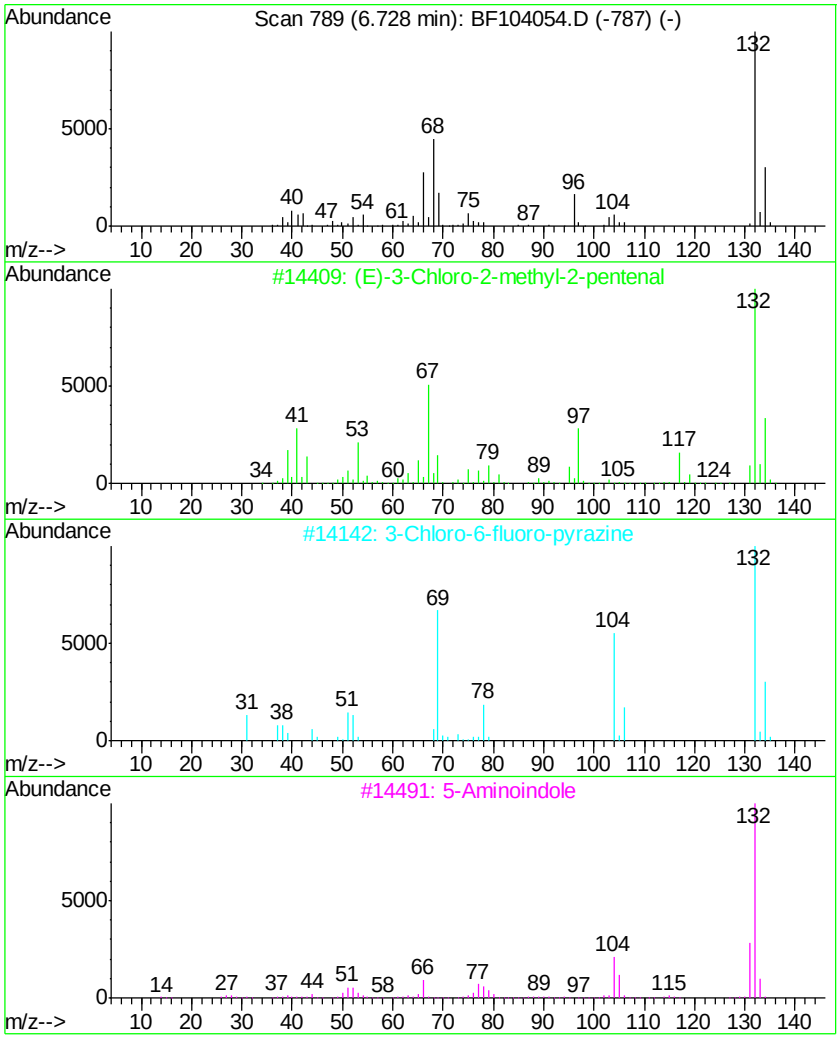
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

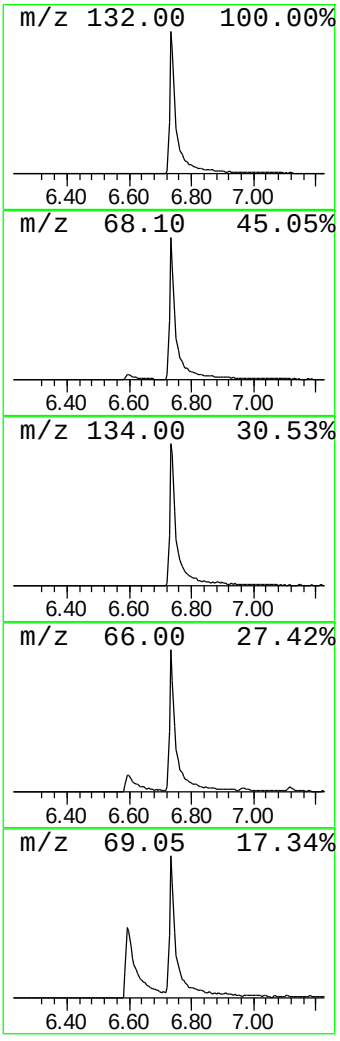
**********

Peak Number 1 unknown6.73 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 41.91 ng | 1257420 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

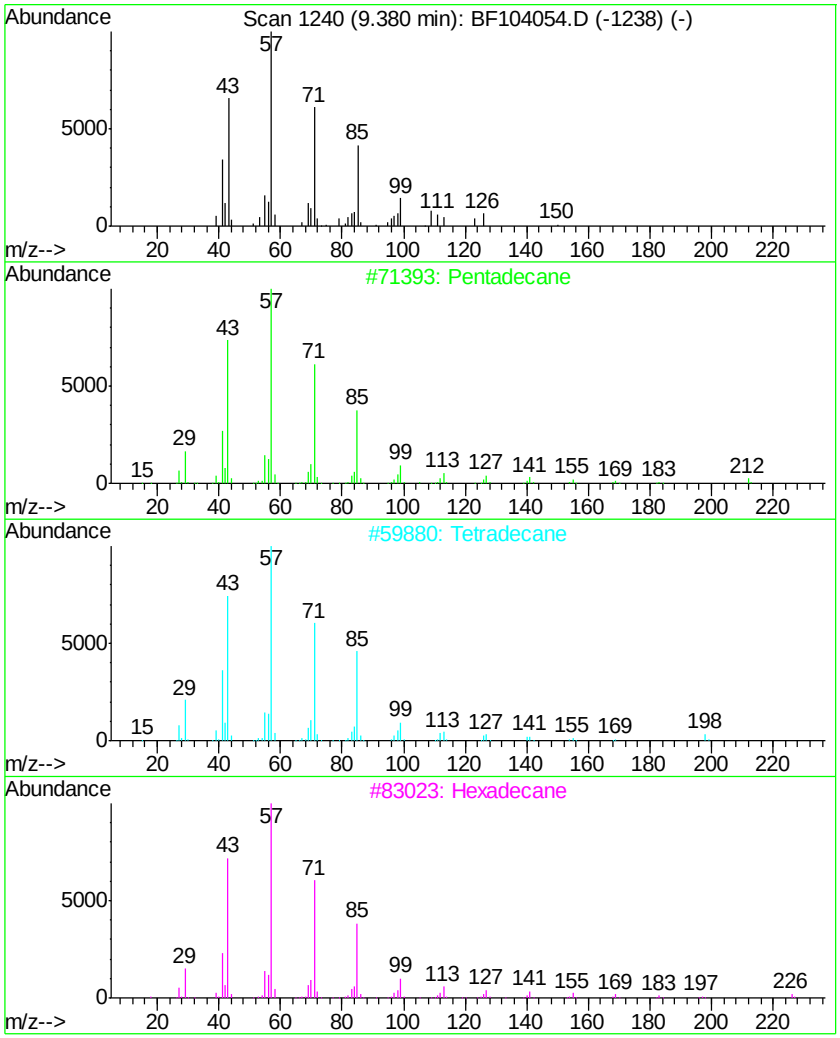
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

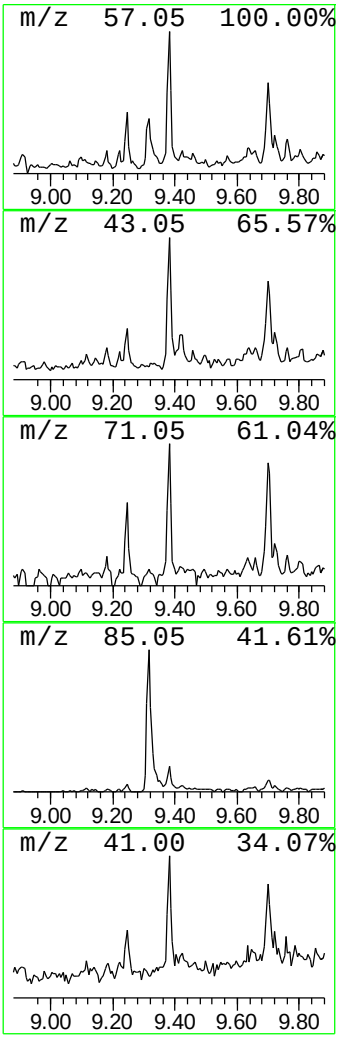
**********

Peak Number 3 Pentadecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.38 | 2.02 ng | 86373 | Acenaphthene-d10 | 10.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 68 |
| 5 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

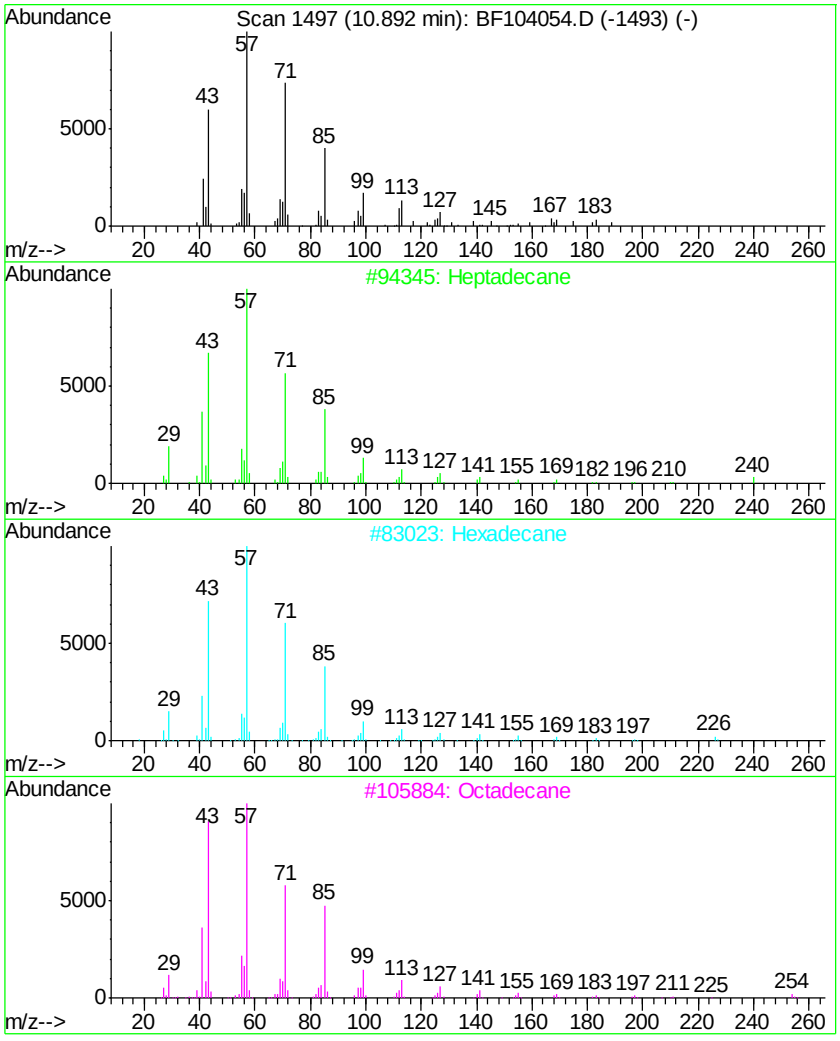
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

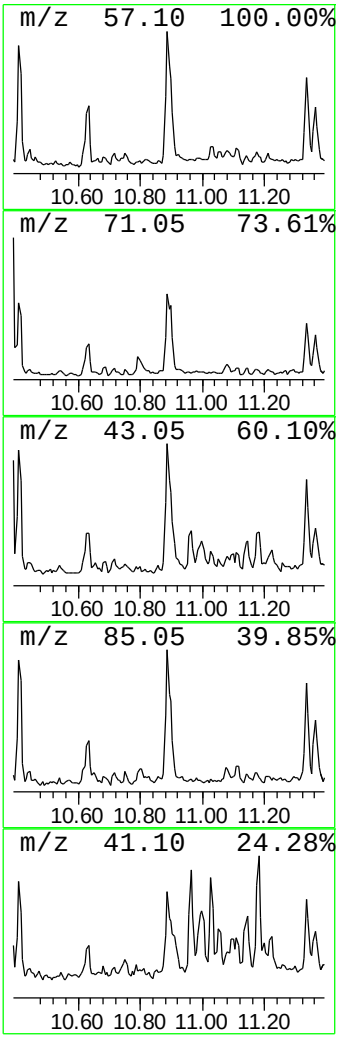
**********

Peak Number 5 Heptadecane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.89 | 2.17 ng | 76801 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |



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Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
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Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

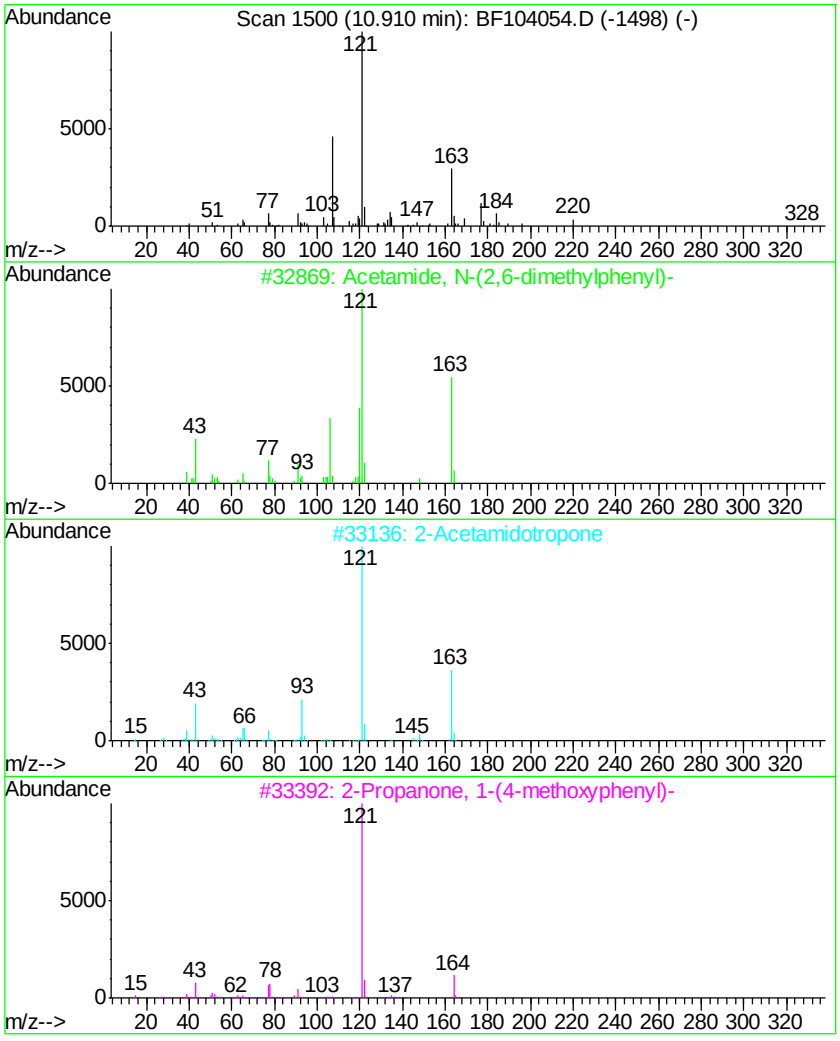
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

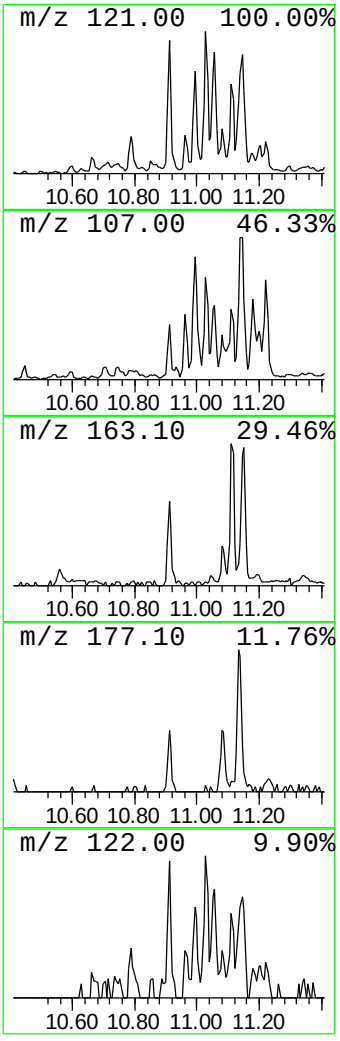
**********

Peak Number 6 Acetamide, N-(2,6-dimethylp... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.91 | 3.49 ng | 123590 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(2,6-dimethylphenyl)- | 163 | C10H13NO | 002198-53-0 | 50 |
| 2 | 2-Acetamidotropone | 163 | C9H9NO2 | 006422-12-4 | 47 |
| 3 | 2-Propanone, 1-(4-methoxyphenyl)- | 164 | C10H12O2 | 000122-84-9 | 43 |
| 4 | Oxalic acid, butyl 2-isopropylph... | 264 | C15H20O4 | 1000309-56-3 | 43 |
| 5 | Benzene, 1-methoxy-4-pentyl- | 178 | C12H18O | 020056-58-0 | 43 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

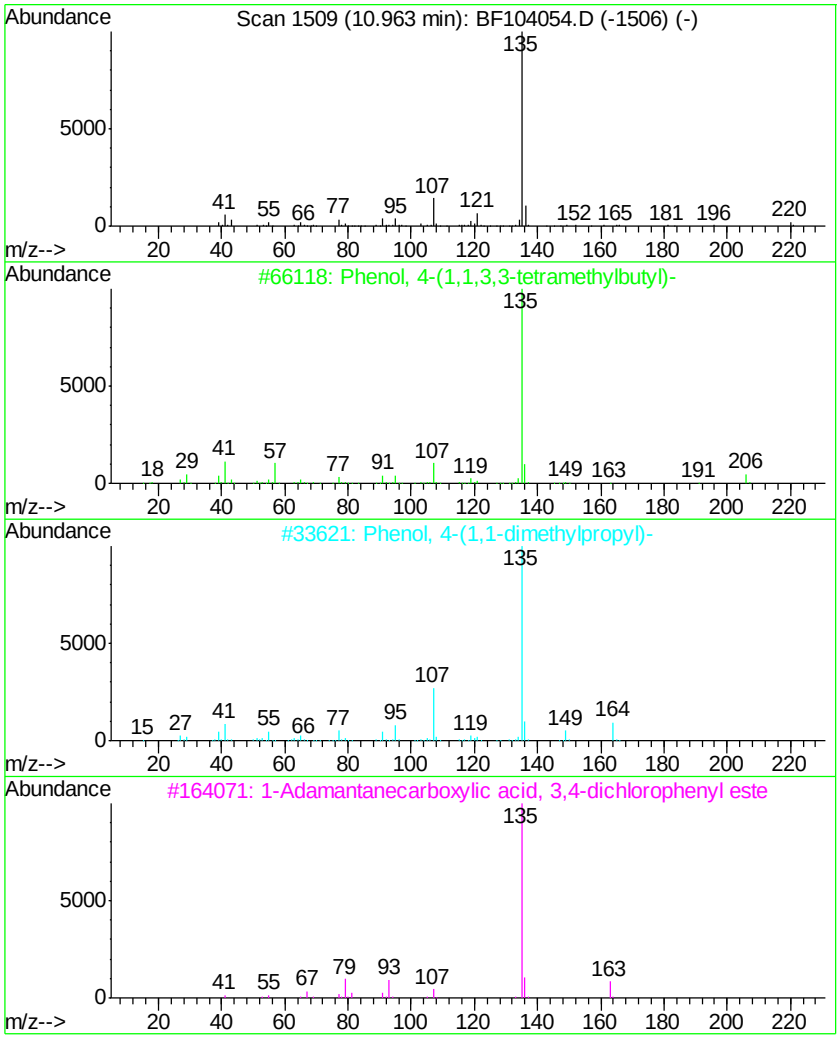
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

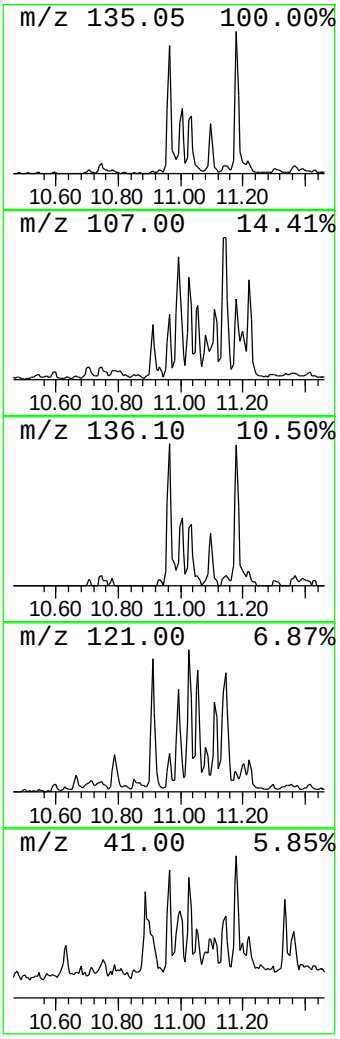
**********

Peak Number 7 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.96 | 5.24 ng | 185406 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 2 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 78 |
| 3 | 1-Adamantanecarboxylic acid, 3,4... | 324 | C17H18Cl2O2 | 1000307-66-4 | 59 |
| 4 | 1-n-Hexyladamantane | 220 | C16H28 | 022458-75-9 | 59 |
| 5 | 1-Adamantanecarboxylic acid, 4-c... | 281 | C18H19NO2 | 1000307-66-3 | 59 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

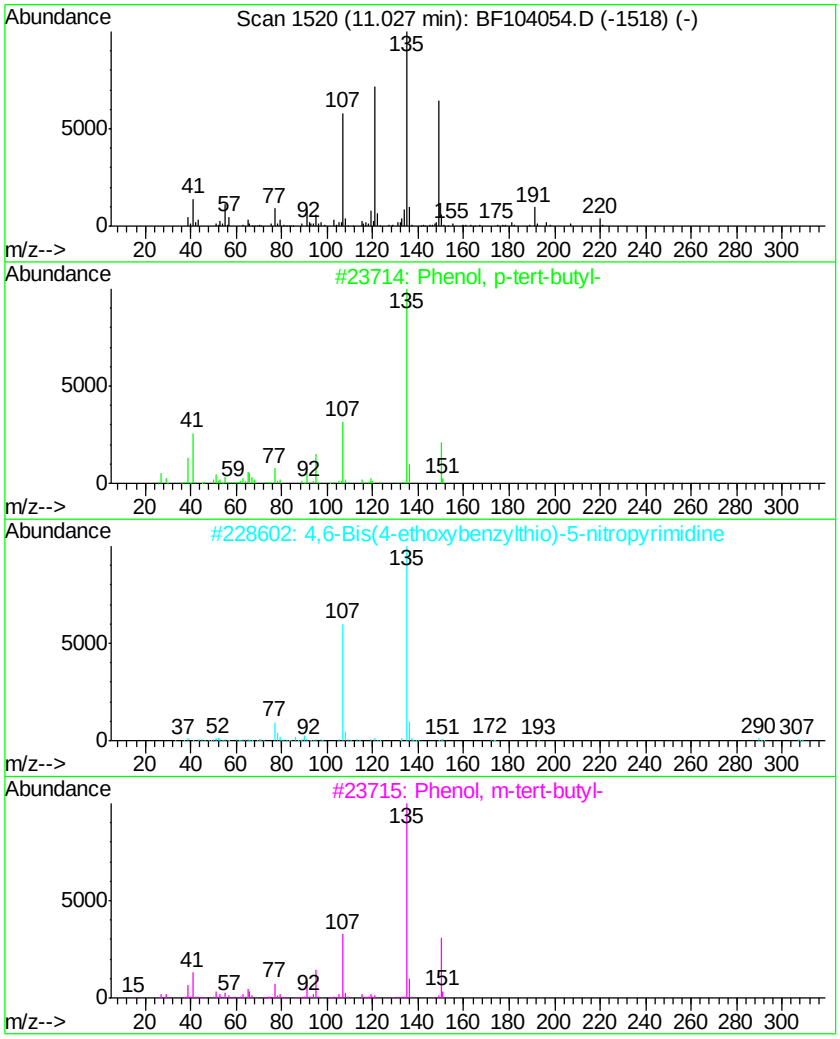
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

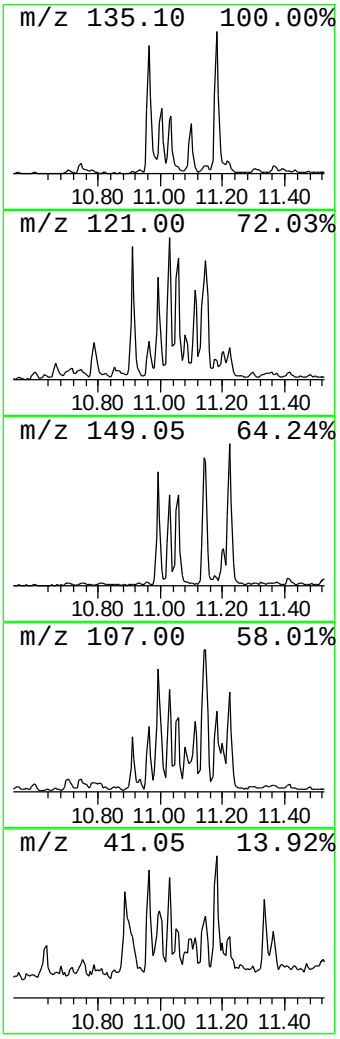
**********

Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.03 | 5.60 ng | 198219 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 64 |
| 2 | 4,6-Bis(4-ethoxybenzylthio)-5-ni... | 457 | C22H23N3O4S2 | 325957-76-4 | 50 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 50 |
| 4 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 50 |
| 5 | 3-Penten-2-one, 4-(2,6,6-trimeth... | 206 | C14H22O | 114933-28-7 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

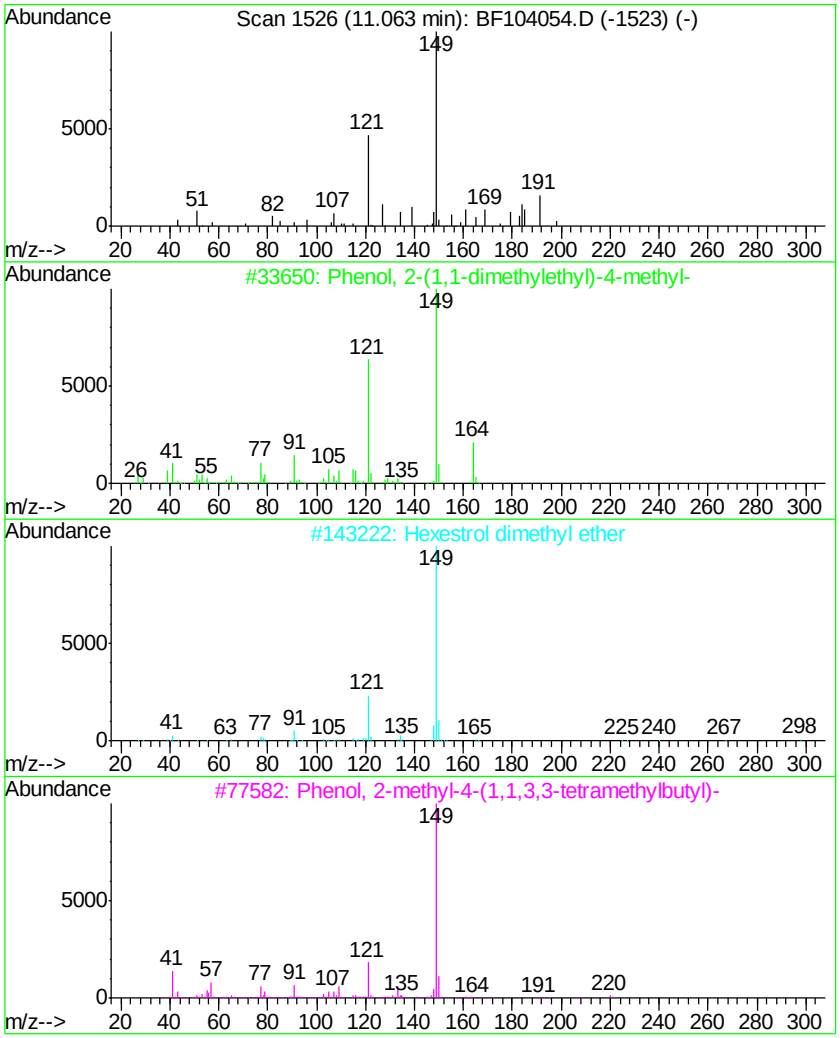
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

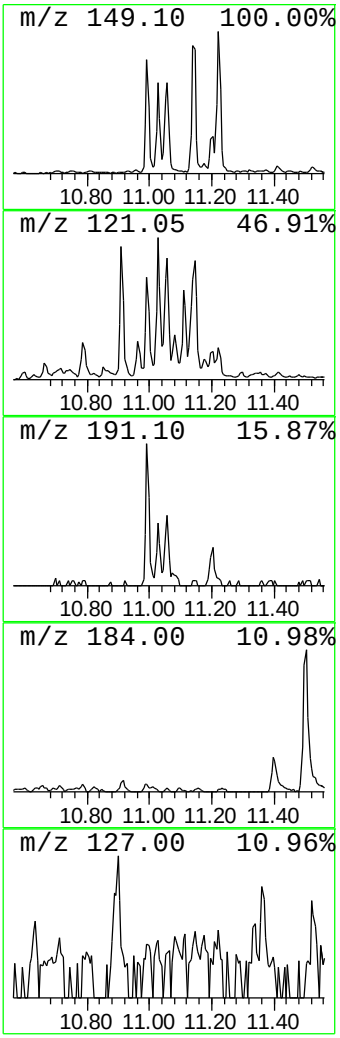
**********

Peak Number 10 Phenol, 2-(1,1-dimethylethy... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.06 | 2.83 ng | 100204 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-(1,1-dimethylethyl)-4-... | 164 | C11H16O | 002409-55-4 | 53 |
| 2 | Hexestrol dimethyl ether | 298 | C20H26O2 | 000130-78-9 | 42 |
| 3 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 38 |
| 4 | 6-Chloromethyl-2,3-dihydro-benzo... | 184 | C9H9ClO2 | 1000317-64-3 | 30 |
| 5 | Phthalic acid, propyl tridec-2-y... | 386 | C24H34O4 | 1000315-43-6 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

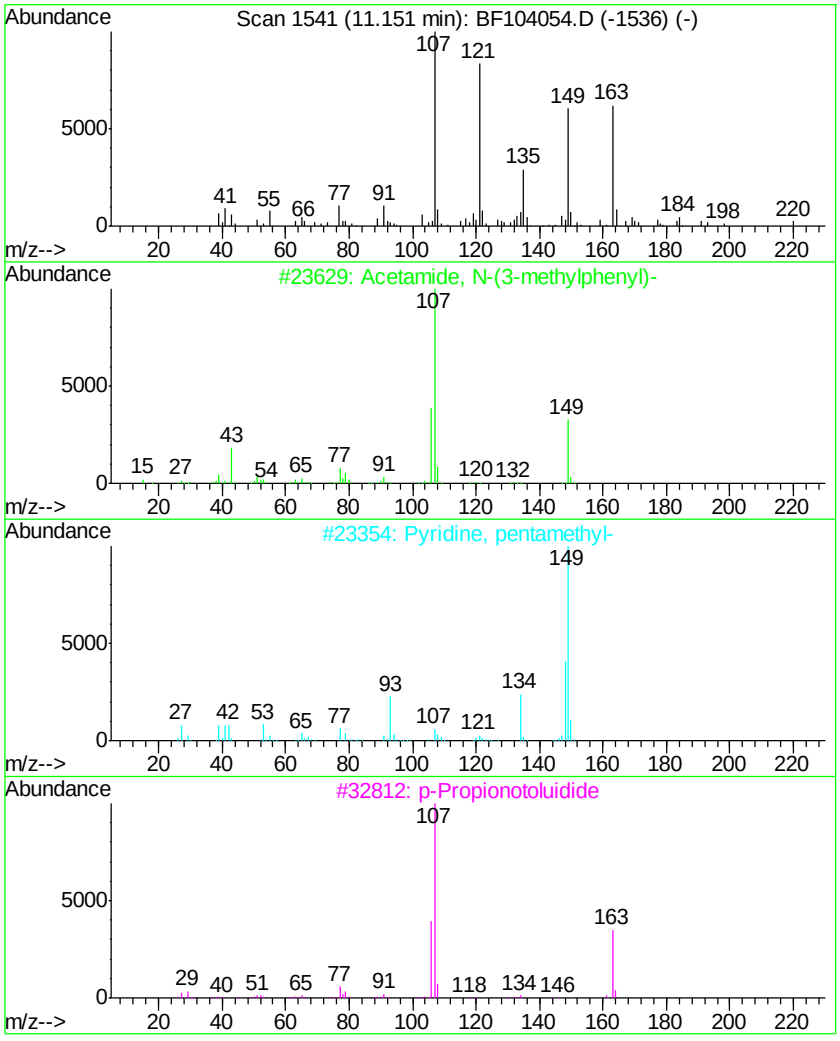
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

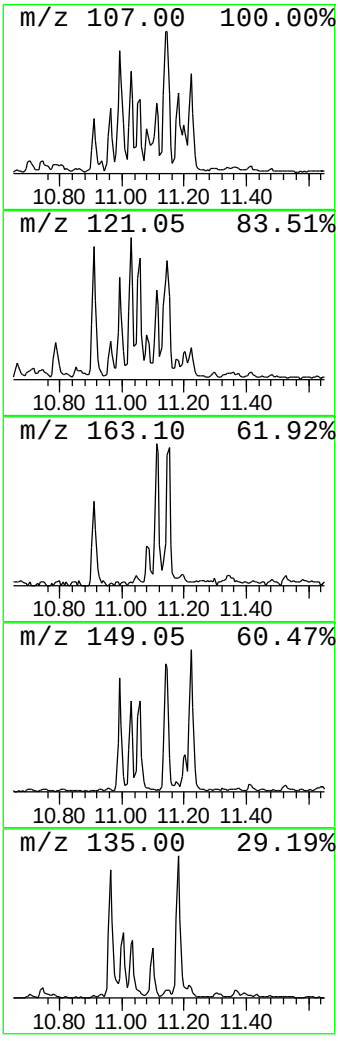
**********

Peak Number 12 Acetamide, N-(3-methylphenyl)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.15 | 6.54 ng | 231334 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 64 |
| 2 | Pyridine, pentamethyl- | 149 | C10H15N | 003748-83-2 | 35 |
| 3 | p-Propionotoluidide | 163 | C10H13NO | 002759-55-9 | 35 |
| 4 | Ethanone, 2-(1-methylethoxy)-1,2... | 254 | C17H18O2 | 006652-28-4 | 35 |
| 5 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 35 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

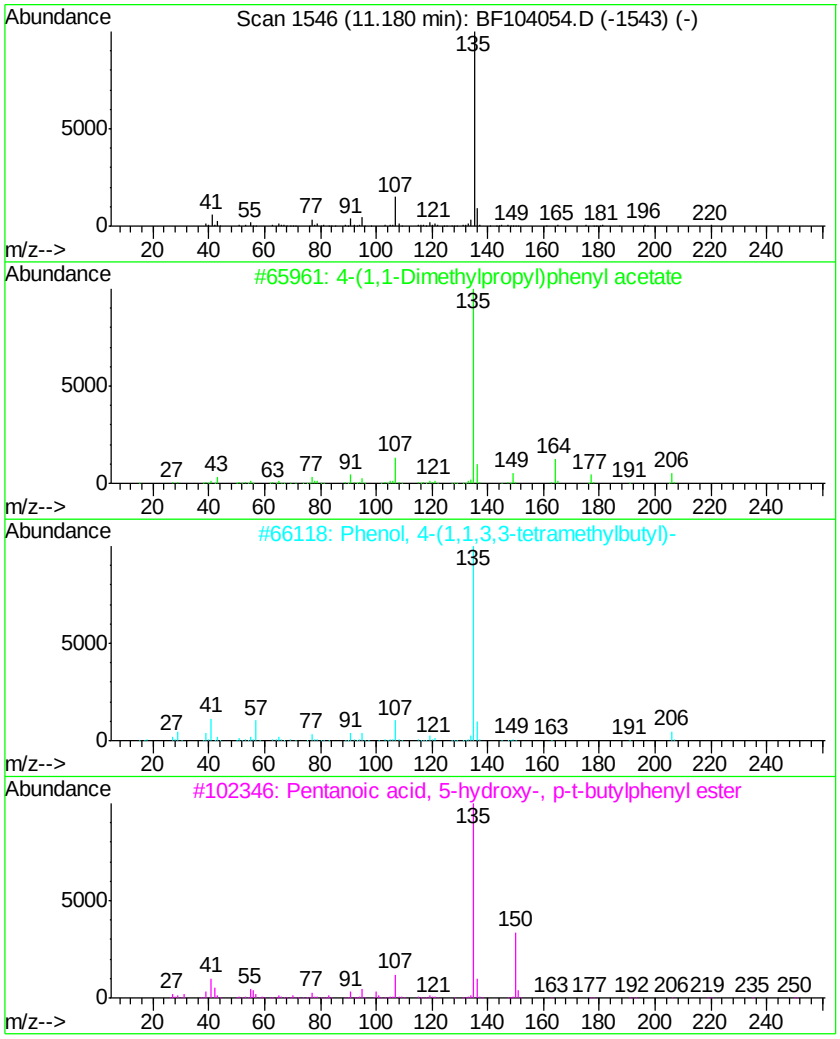
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

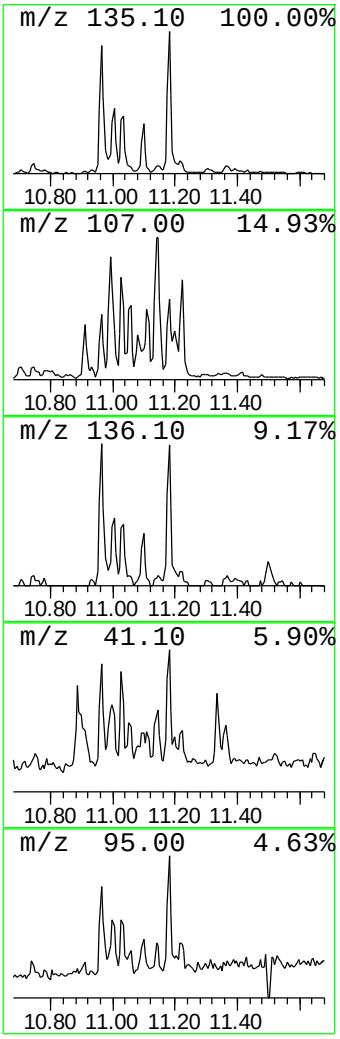
**********

Peak Number 13 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.18 | 5.73 ng | 202655 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-(1,1-Dimethylpropyl)phenyl ace... | 206 | C13H18O2 | 1000373-45-3 | 78 |
| 2 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 3 | Pentanoic acid, 5-hydroxy-, p-t-... | 250 | C15H22O3 | 166273-37-6 | 78 |
| 4 | m-Anisic acid, 4-nitrophenyl ester | 273 | C14H11NO5 | 1000307-80-4 | 64 |
| 5 | Hexestrol | 270 | C18H22O2 | 000084-16-2 | 64 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

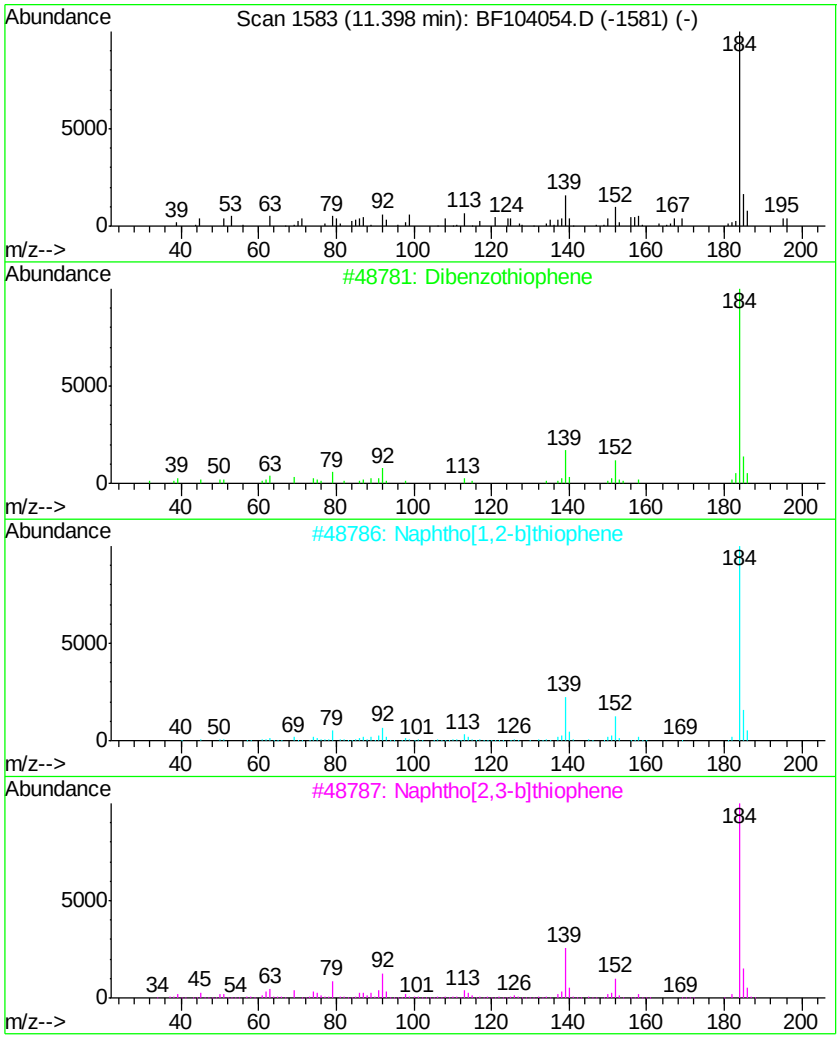
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

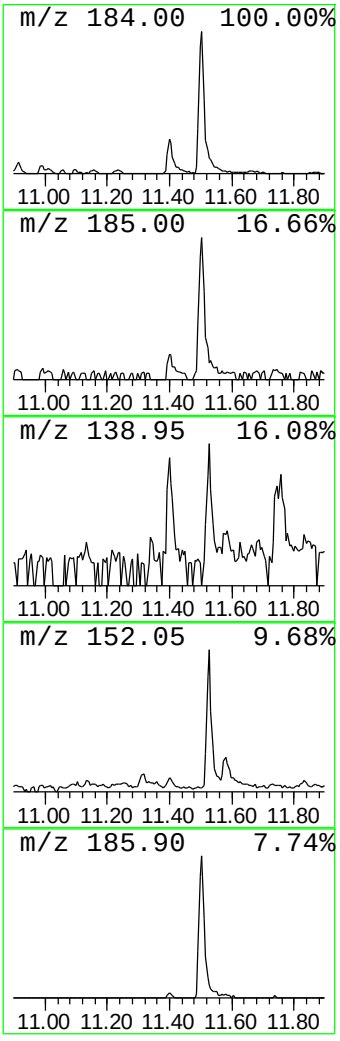
**********

Peak Number 15 Dibenzothiophene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.40 | 2.02 ng | 71363 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 81 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 81 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 76 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 72 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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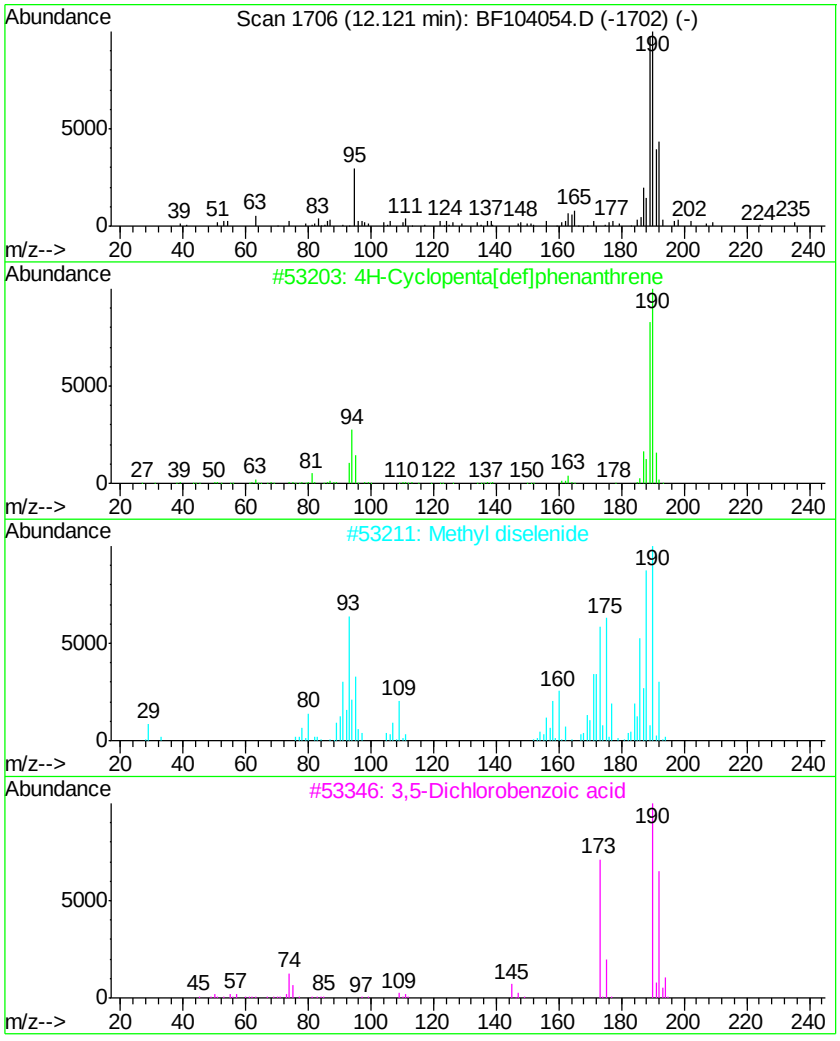
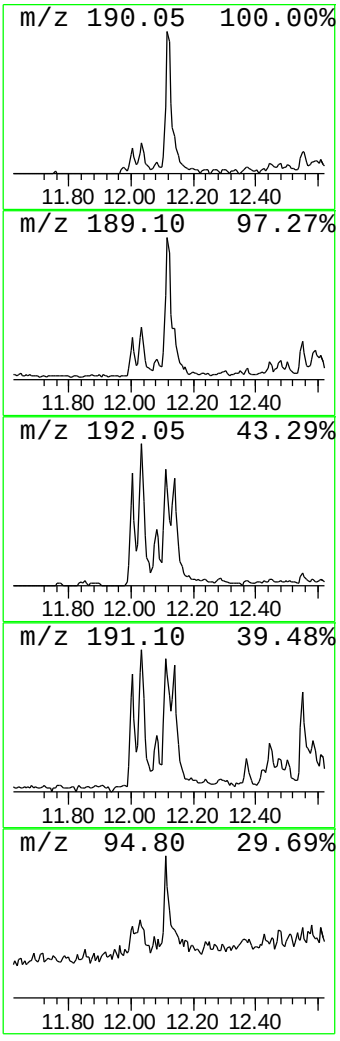
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.12 | 3.57 ng | 126244 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 35 |
| 3 | 3,5-Dichlorobenzoic acid | 190 | C7H4Cl2O2 | 000051-36-5 | 30 |
| 4 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 22 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

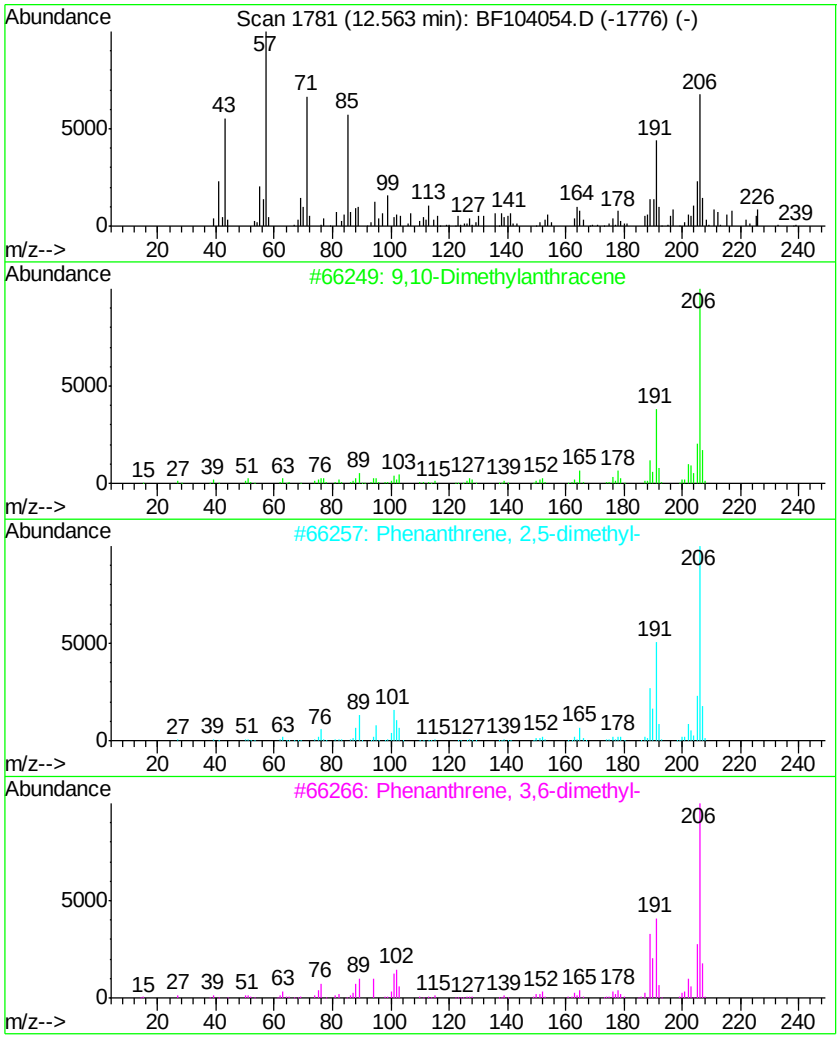
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

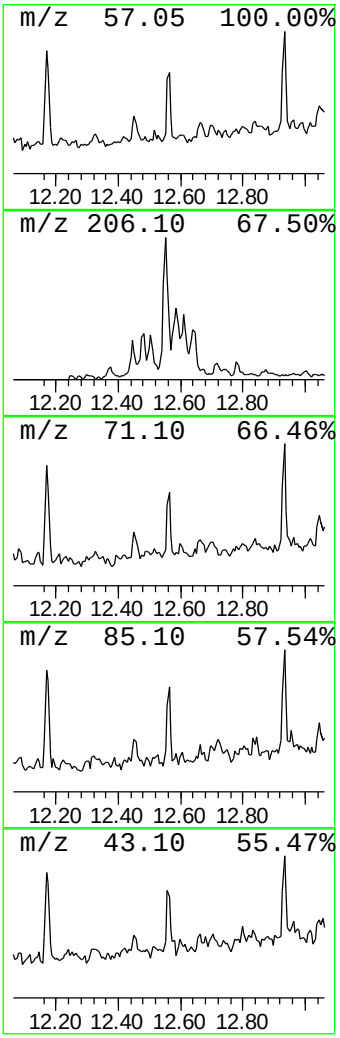
**********

Peak Number 17 9,10-Dimethylanthracene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.56 | 2.63 ng | 93144 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 95 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 76 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 76 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 70 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-RCA-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown6.73 | 6.73 | 41.9 | ng | 1257420 | 1 | 6.97 | 600020 | 20.0 |
| Pentadecane | 9.38 | 2.0 | ng | 86373 | 3 | 10.00 | 855476 | 20.0 |
| Heptadecane | 10.89 | 2.2 | ng | 76801 | 4 | 11.50 | 707443 | 20.0 |
| Acetamide, N-(2,6... | 10.91 | 3.5 | ng | 123590 | 4 | 11.50 | 707443 | 20.0 |
| Phenol, 4-(1,1,3,... | 10.96 | 5.2 | ng | 185406 | 4 | 11.50 | 707443 | 20.0 |
| Phenol, p-tert-bu... | 11.03 | 5.6 | ng | 198219 | 4 | 11.50 | 707443 | 20.0 |
| Phenol, 2-(1,1-di... | 11.06 | 2.8 | ng | 100204 | 4 | 11.50 | 707443 | 20.0 |
| Acetamide, N-(3-m... | 11.15 | 6.5 | ng | 231334 | 4 | 11.50 | 707443 | 20.0 |
| 4-(1,1-Dimethylpr... | 11.18 | 5.7 | ng | 202655 | 4 | 11.50 | 707443 | 20.0 |
| Dibenzothiophene | 11.40 | 2.0 | ng | 71363 | 4 | 11.50 | 707443 | 20.0 |
| 4H-Cyclopenta[def... | 12.12 | 3.6 | ng | 126244 | 4 | 11.50 | 707443 | 20.0 |
| 9,10-Dimethylanth... | 12.56 | 2.6 | ng | 93144 | 4 | 11.50 | 707443 | 20.0 |