

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102918\  
 Data File : BF110284.D  
 Acq On : 30 Oct 2018 1:21  
 Operator : JU/SJ  
 Sample : J5685-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DOCUMENTATION-30

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF102318.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.299       | 30            | 36          | 46           | rBV      | 311100         | 415390        | 14.32%          | 1.392%        |
| 2         | 3.593       | 255           | 256         | 267          | rBV2     | 23268          | 50766         | 1.75%           | 0.170%        |
| 3         | 5.216       | 528           | 532         | 540          | rBV      | 77345          | 108065        | 3.72%           | 0.362%        |
| 4         | 5.598       | 589           | 597         | 600          | rBV      | 2395591        | 2472907       | 85.24%          | 8.285%        |
| 5         | 6.598       | 761           | 767         | 779          | rBV      | 2498639        | 2754286       | 94.94%          | 9.228%        |
| 6         | 6.740       | 787           | 791         | 794          | rBV      | 2792047        | 2615700       | 90.16%          | 8.763%        |
| 7         | 6.793       | 797           | 800         | 805          | rVB2     | 36976          | 37984         | 1.31%           | 0.127%        |
| 8         | 6.969       | 826           | 830         | 835          | rBV      | 953968         | 735413        | 25.35%          | 2.464%        |
| 9         | 7.128       | 853           | 857         | 860          | rBV      | 2525864        | 2113185       | 72.84%          | 7.080%        |
| 10        | 7.534       | 921           | 926         | 929          | rBV      | 1703207        | 1627554       | 56.10%          | 5.453%        |
| 11        | 8.251       | 1045          | 1048        | 1051         | rBV      | 1023043        | 884778        | 30.50%          | 2.964%        |
| 12        | 8.969       | 1166          | 1170        | 1173         | rBV      | 43112          | 39533         | 1.36%           | 0.132%        |
| 13        | 9.328       | 1227          | 1231        | 1234         | rBV      | 3429220        | 2901203       | 100.00%         | 9.720%        |
| 14        | 9.716       | 1294          | 1297        | 1300         | rBV      | 514282         | 418572        | 14.43%          | 1.402%        |
| 15        | 9.875       | 1320          | 1324        | 1329         | rBV      | 184647         | 165158        | 5.69%           | 0.553%        |
| 16        | 9.922       | 1329          | 1332        | 1335         | rVB      | 46848          | 39982         | 1.38%           | 0.134%        |
| 17        | 10.016      | 1344          | 1348        | 1351         | rBV      | 979350         | 879399        | 30.31%          | 2.946%        |
| 18        | 10.045      | 1351          | 1353        | 1356         | rVB      | 94305          | 71946         | 2.48%           | 0.241%        |
| 19        | 10.169      | 1369          | 1374        | 1378         | rBV6     | 21042          | 36153         | 1.25%           | 0.121%        |
| 20        | 10.216      | 1378          | 1382        | 1385         | rVV2     | 38307          | 44559         | 1.54%           | 0.149%        |
| 21        | 10.322      | 1397          | 1400        | 1403         | rBV2     | 39340          | 47828         | 1.65%           | 0.160%        |
| 22        | 10.422      | 1411          | 1417        | 1422         | rBV3     | 64181          | 82830         | 2.86%           | 0.278%        |
| 23        | 10.469      | 1422          | 1425        | 1429         | rBV      | 38505          | 40712         | 1.40%           | 0.136%        |
| 24        | 10.563      | 1438          | 1441        | 1446         | rVB      | 69349          | 77956         | 2.69%           | 0.261%        |
| 25        | 10.645      | 1447          | 1455        | 1457         | rBV4     | 37226          | 57592         | 1.99%           | 0.193%        |
| 26        | 10.804      | 1478          | 1482        | 1489         | rBV      | 1318801        | 1238483       | 42.69%          | 4.149%        |
| 27        | 10.898      | 1495          | 1498        | 1508         | rVB4     | 63976          | 136161        | 4.69%           | 0.456%        |
| 28        | 11.110      | 1529          | 1534        | 1537         | rBV4     | 31292          | 46849         | 1.61%           | 0.157%        |
| 29        | 11.310      | 1566          | 1568        | 1572         | rBV      | 37437          | 34739         | 1.20%           | 0.116%        |
| 30        | 11.345      | 1572          | 1574        | 1577         | rVV      | 64825          | 61530         | 2.12%           | 0.206%        |
| 31        | 11.404      | 1581          | 1584        | 1587         | rVB      | 45913          | 38777         | 1.34%           | 0.130%        |
| 32        | 11.510      | 1598          | 1602        | 1604         | rBV      | 791852         | 818598        | 28.22%          | 2.743%        |
| 33        | 11.533      | 1604          | 1606        | 1609         | rVV      | 660302         | 526744        | 18.16%          | 1.765%        |
| 34        | 11.580      | 1611          | 1614        | 1619         | rVV      | 207196         | 193029        | 6.65%           | 0.647%        |

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 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DOCUMENTATION-30

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-BF102318.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.733 | 1637 | 1640 | 1644 | rVB2 | 54340   | 61271   | 2.11%  | 0.205% |
| 36 | 11.775 | 1644 | 1647 | 1649 | rBV  | 54568   | 46151   | 1.59%  | 0.155% |
| 37 | 12.010 | 1684 | 1687 | 1690 | rBV2 | 183599  | 192751  | 6.64%  | 0.646% |
| 38 | 12.033 | 1690 | 1691 | 1696 | rVB2 | 126220  | 106419  | 3.67%  | 0.357% |
| 39 | 12.086 | 1697 | 1700 | 1703 | rVB  | 70149   | 64281   | 2.22%  | 0.215% |
| 40 | 12.122 | 1703 | 1706 | 1709 | rBV2 | 167142  | 209302  | 7.21%  | 0.701% |
| 41 | 12.186 | 1714 | 1717 | 1719 | rBV  | 63473   | 61713   | 2.13%  | 0.207% |
| 42 | 12.304 | 1734 | 1737 | 1739 | rVB  | 80234   | 68554   | 2.36%  | 0.230% |
| 43 | 12.333 | 1739 | 1742 | 1747 | rVB  | 76845   | 71390   | 2.46%  | 0.239% |
| 44 | 12.557 | 1777 | 1780 | 1785 | rBV2 | 81791   | 134803  | 4.65%  | 0.452% |
| 45 | 12.651 | 1793 | 1796 | 1799 | rBV2 | 52663   | 58946   | 2.03%  | 0.197% |
| 46 | 12.727 | 1805 | 1809 | 1812 | rBV  | 1116283 | 961496  | 33.14% | 3.221% |
| 47 | 12.957 | 1842 | 1848 | 1854 | rBV  | 920624  | 1050543 | 36.21% | 3.520% |
| 48 | 13.004 | 1854 | 1856 | 1860 | rVB2 | 56073   | 54248   | 1.87%  | 0.182% |
| 49 | 13.092 | 1867 | 1871 | 1874 | rBV  | 2153843 | 1868479 | 64.40% | 6.260% |
| 50 | 13.116 | 1874 | 1875 | 1878 | rVB  | 52414   | 37339   | 1.29%  | 0.125% |
| 51 | 13.286 | 1901 | 1904 | 1906 | rVB  | 103789  | 94316   | 3.25%  | 0.316% |
| 52 | 13.351 | 1912 | 1915 | 1917 | rBV  | 101844  | 87538   | 3.02%  | 0.293% |
| 53 | 13.974 | 2019 | 2021 | 2024 | rVB2 | 142078  | 109201  | 3.76%  | 0.366% |
| 54 | 14.157 | 2047 | 2052 | 2055 | rBV2 | 740336  | 1004886 | 34.64% | 3.367% |
| 55 | 14.186 | 2055 | 2057 | 2064 | rVB  | 378874  | 340818  | 11.75% | 1.142% |
| 56 | 15.239 | 2232 | 2236 | 2239 | rBV  | 258170  | 412827  | 14.23% | 1.383% |
| 57 | 15.563 | 2288 | 2291 | 2297 | rVB  | 192558  | 249333  | 8.59%  | 0.835% |
| 58 | 15.627 | 2298 | 2302 | 2307 | rVB  | 272549  | 358243  | 12.35% | 1.200% |
| 59 | 15.692 | 2310 | 2313 | 2317 | rVB  | 262840  | 328956  | 11.34% | 1.102% |

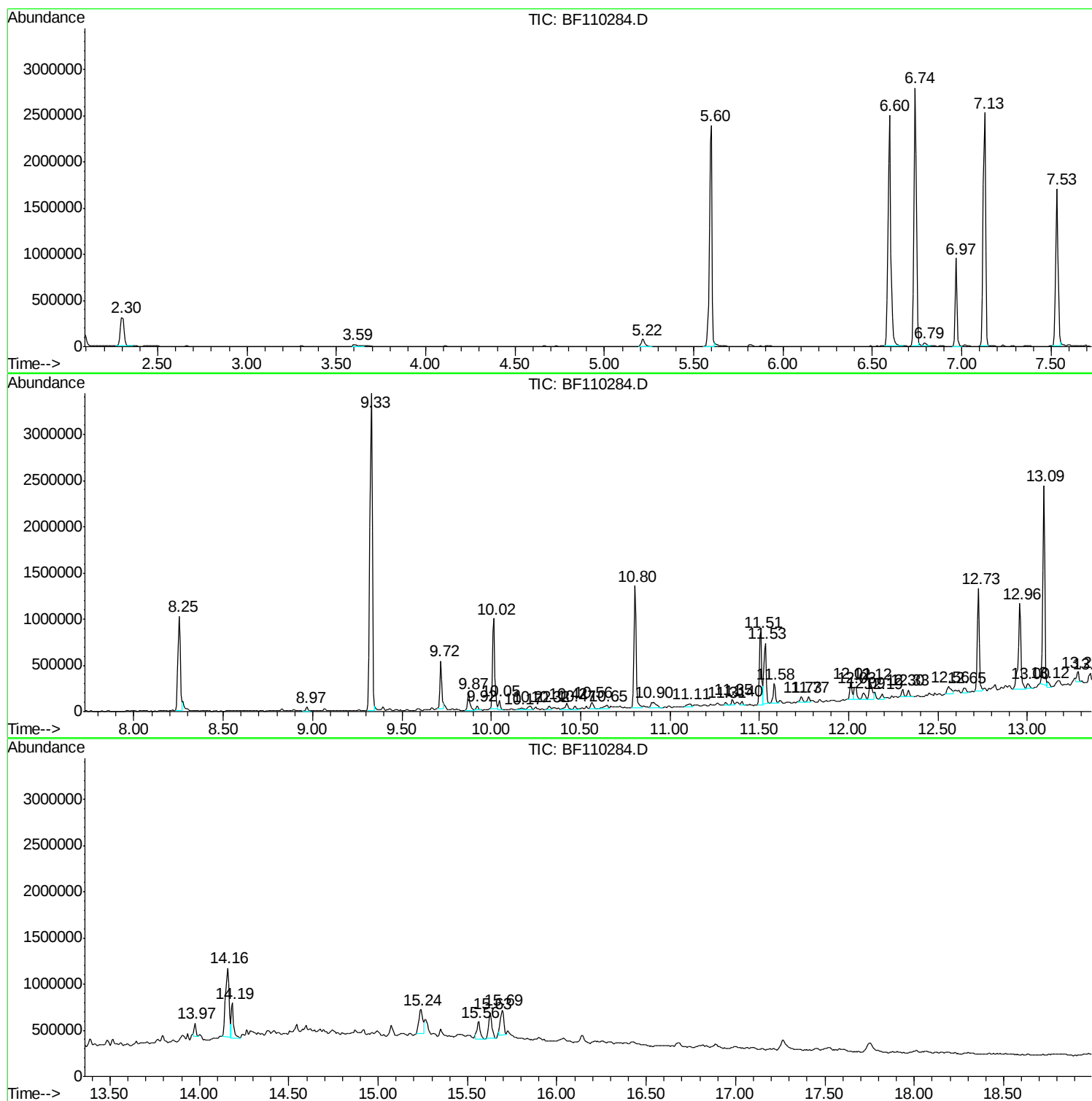
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Sample : J5685-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\  
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Acq On : 30 Oct 2018 1:21  
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Sample : J5685-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

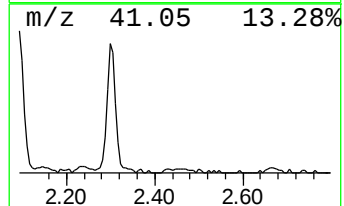
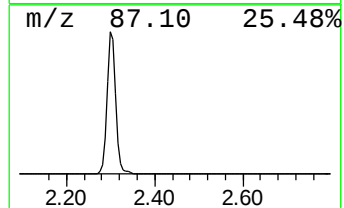
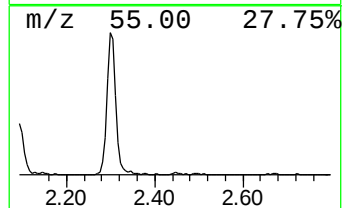
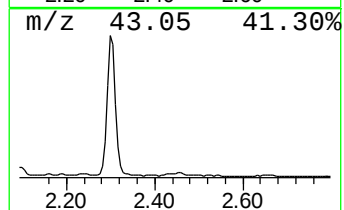
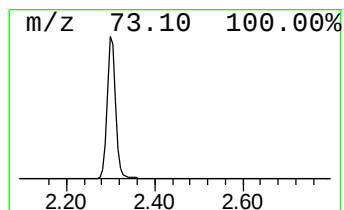
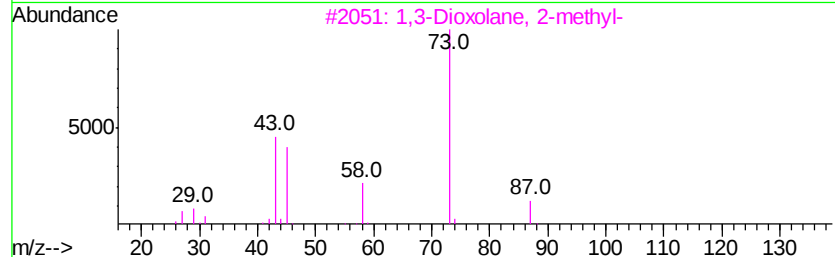
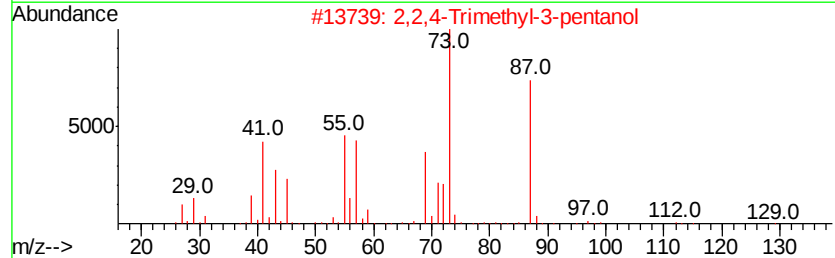
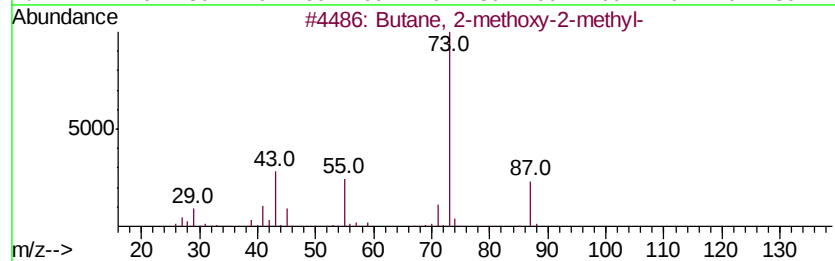
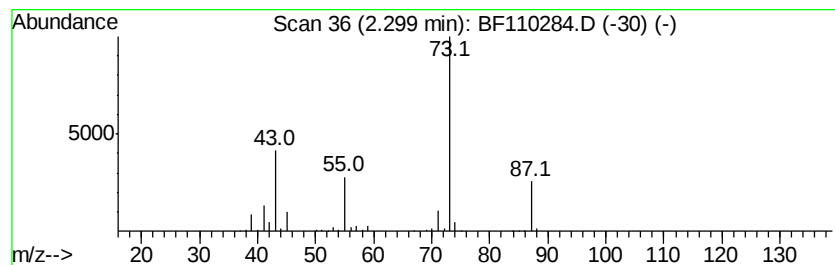
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.30 | 11.30 ng | 415390 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 12   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

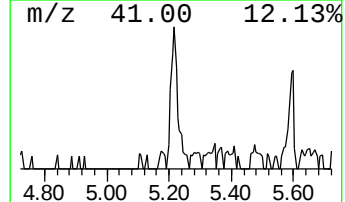
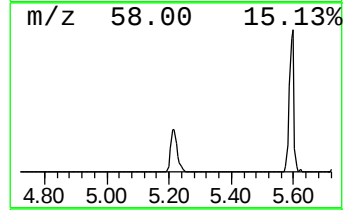
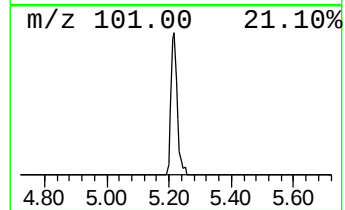
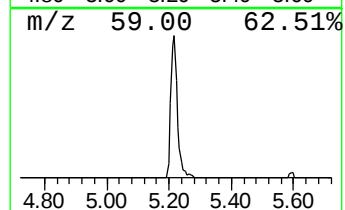
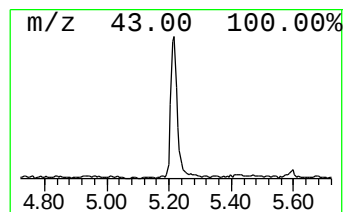
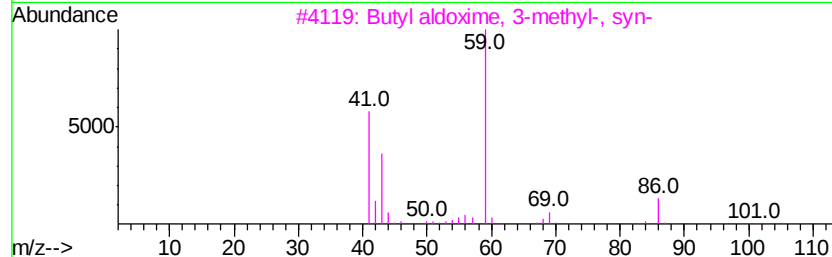
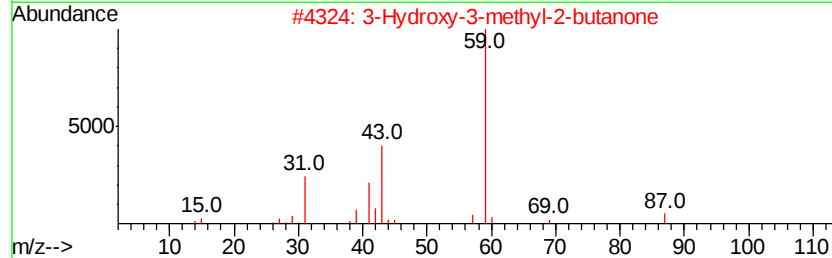
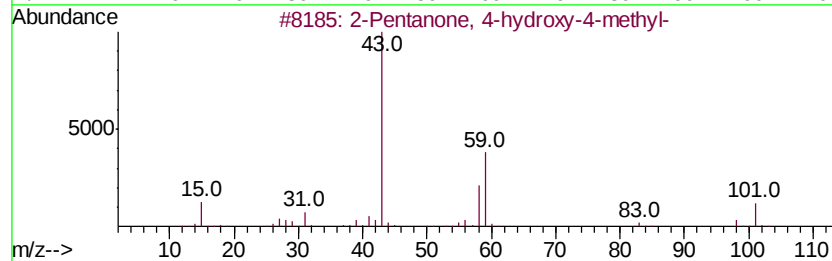
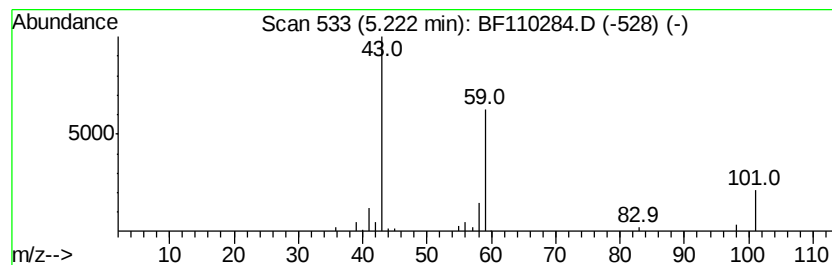
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.22 | 2.94 ng | 108065 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | 3-Hydroxy-3-methyl-2-butanone        | 102 | C5H10O2  | 000115-22-0 | 35   |
| 3    |    | Butyl aldoxime, 3-methyl-, syn-      | 101 | C5H11NO  | 005780-40-5 | 25   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 5    |    | 3-Heptanol, 4-methyl-                | 130 | C8H18O   | 014979-39-6 | 9    |



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ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

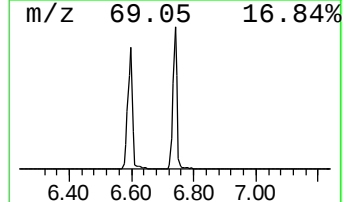
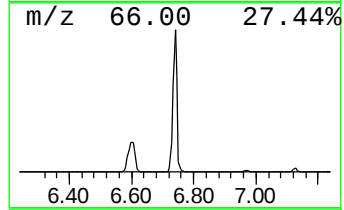
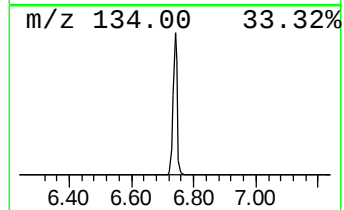
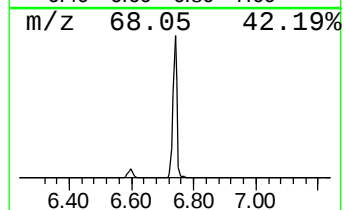
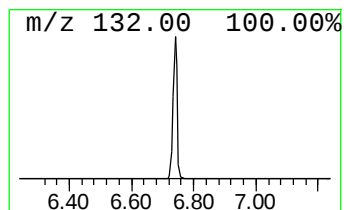
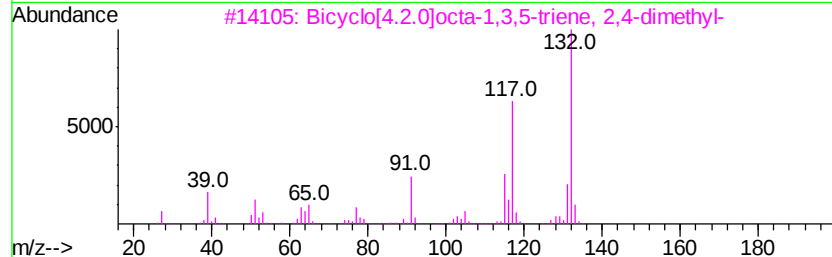
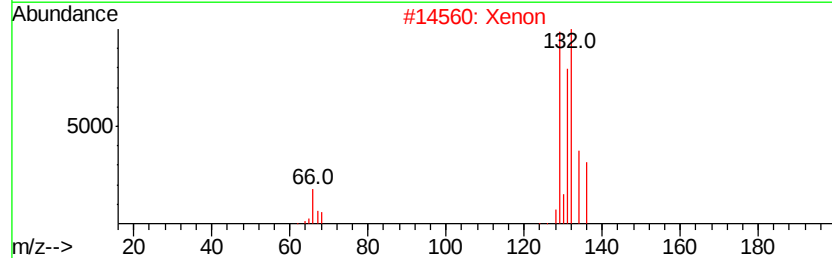
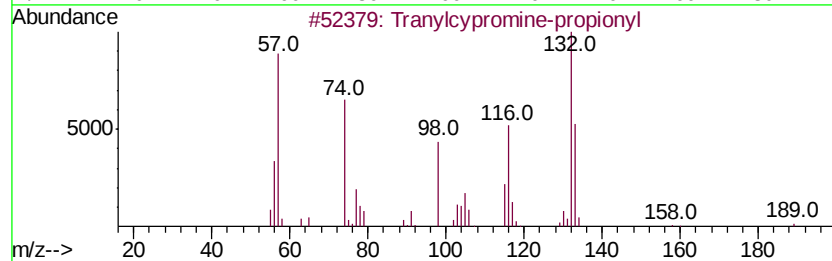
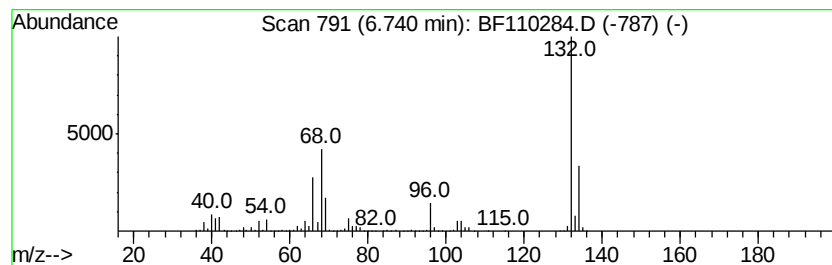
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 71.14 ng | 2615700 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 2    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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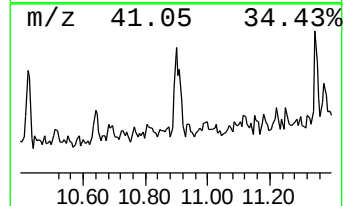
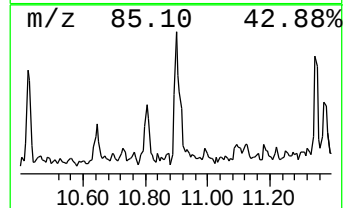
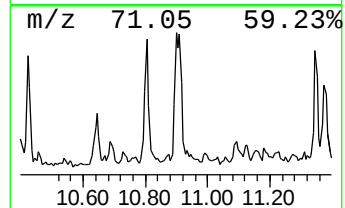
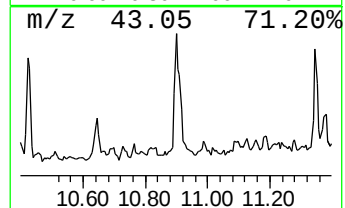
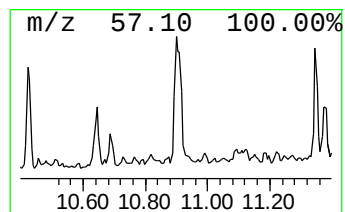
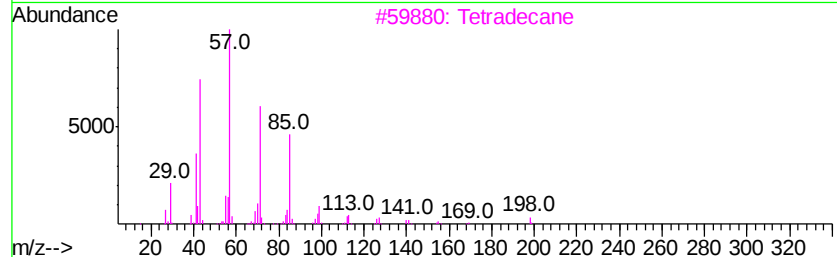
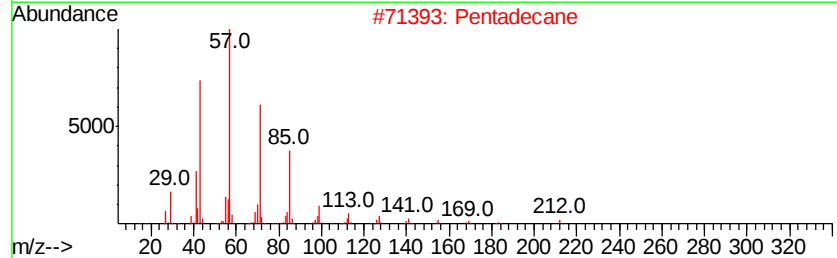
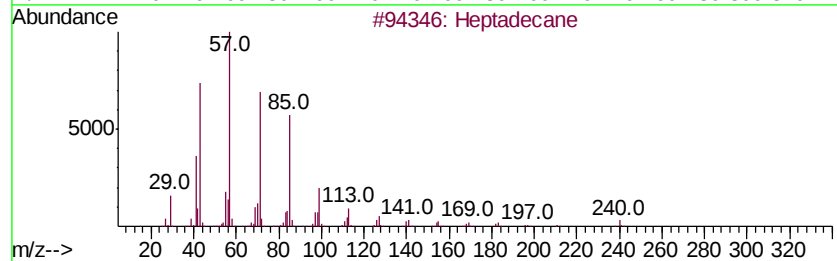
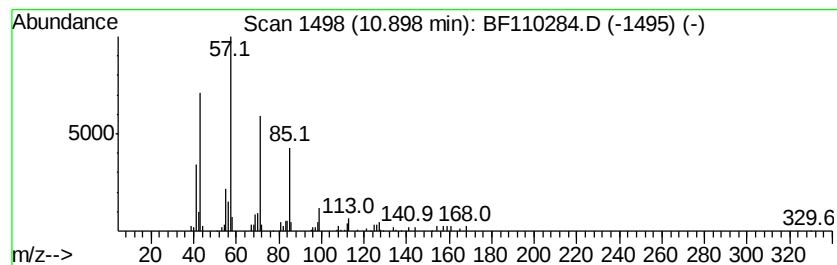
Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.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 7

| R.T.      | EstConc                  | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------|--------|------------------|-------------|------|
| 10.90     | 3.33 ng                  | 136161 | Phenanthrene-d10 | 11.51       |      |
| Hit# of 5 | Tentative ID             | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane              | 240    | C17H36           | 000629-78-7 | 87   |
| 2         | Pentadecane              | 212    | C15H32           | 000629-62-9 | 86   |
| 3         | Tetradecane              | 198    | C14H30           | 000629-59-4 | 86   |
| 4         | Eicosane                 | 282    | C20H42           | 000112-95-8 | 78   |
| 5         | Decane, 2,4,6-trimethyl- | 184    | C13H28           | 062108-27-4 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\  
Data File : BF110284.D  
Acq On : 30 Oct 2018 1:21  
Operator : JU/SJ  
Sample : J5685-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

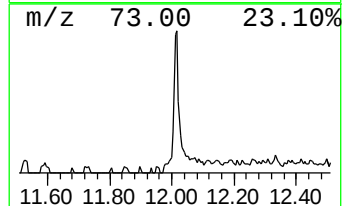
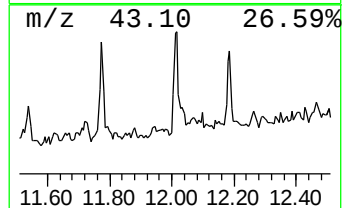
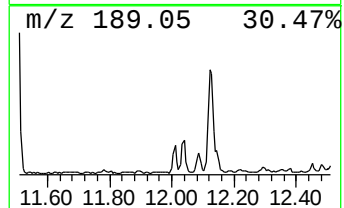
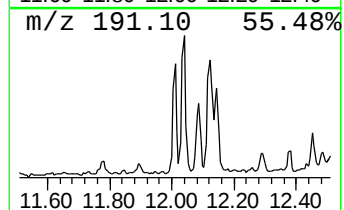
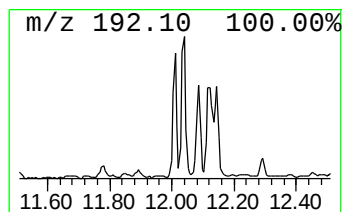
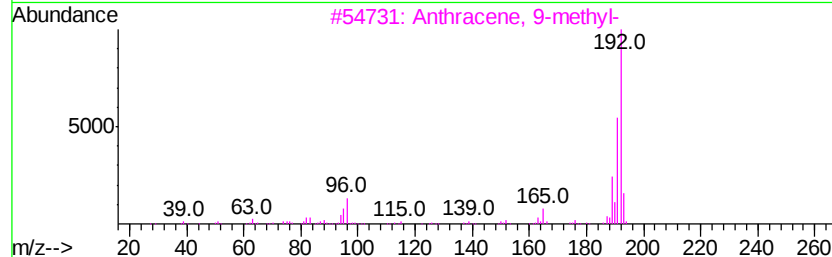
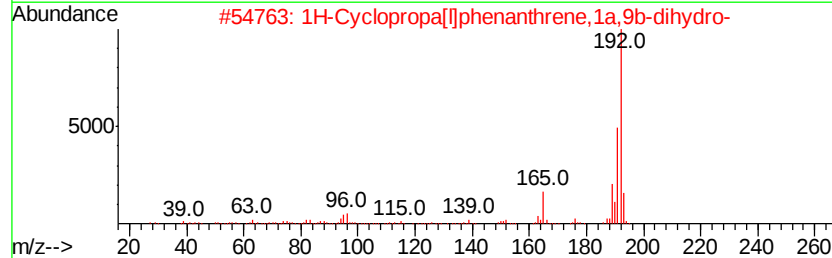
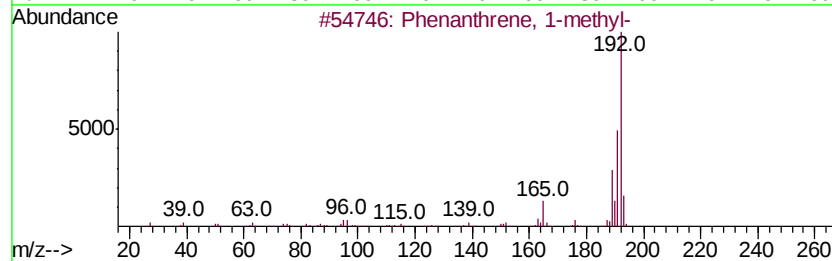
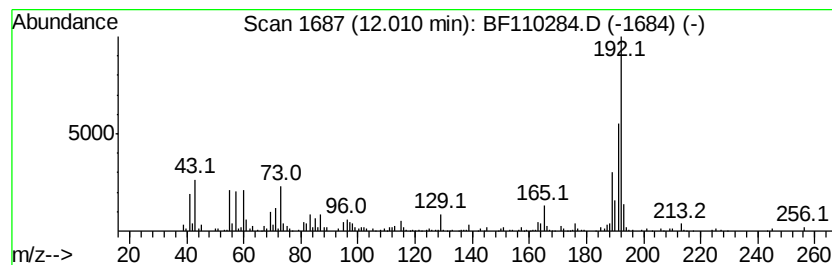
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.01 | 4.71 ng | 192751 | Phenanthrene-d10 | 11.51 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 2       |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 3       |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 93   |
| 4       |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 92   |
| 5       |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\  
Data File : BF110284.D  
Acq On : 30 Oct 2018 1:21  
Operator : JU/SJ  
Sample : J5685-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DOCUMENTATION-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.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 7 Anthracene, 2-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.03 | 2.60 ng | 106419 | Phenanthrene-d10 | 11.51 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 95   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 5    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 93   |

