

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF030918\  
 Data File : BF103559.D  
 Acq On : 9 Mar 2018 16:12  
 Operator : SJ/JU  
 Sample : J1855-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-COMP

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:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.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         | 5.110       | 511           | 514         | 528          | rBV      | 70165          | 130398        | 3.37%           | 0.364%        |
| 2         | 5.492       | 575           | 579         | 617          | rBV      | 2687404        | 3870152       | 100.00%         | 10.816%       |
| 3         | 6.504       | 748           | 751         | 770          | rBV      | 2531912        | 3727310       | 96.31%          | 10.417%       |
| 4         | 6.639       | 770           | 774         | 804          | rVB      | 3312999        | 3696293       | 95.51%          | 10.330%       |
| 5         | 6.863       | 809           | 812         | 835          | rVB      | 745334         | 886291        | 22.90%          | 2.477%        |
| 6         | 7.022       | 835           | 839         | 857          | rBV      | 2372671        | 2619334       | 67.68%          | 7.321%        |
| 7         | 7.434       | 905           | 909         | 933          | rBV      | 1781738        | 2533672       | 65.47%          | 7.081%        |
| 8         | 8.151       | 1027          | 1031        | 1051         | rBV      | 709908         | 1204391       | 31.12%          | 3.366%        |
| 9         | 9.222       | 1209          | 1213        | 1222         | rBV      | 3038162        | 3297186       | 85.20%          | 9.215%        |
| 10        | 9.286       | 1222          | 1224        | 1229         | rVB      | 59528          | 71419         | 1.85%           | 0.200%        |
| 11        | 9.622       | 1275          | 1281        | 1287         | rBV      | 193452         | 248285        | 6.42%           | 0.694%        |
| 12        | 9.822       | 1311          | 1315        | 1319         | rBV      | 125366         | 117370        | 3.03%           | 0.328%        |
| 13        | 9.910       | 1326          | 1330        | 1333         | rBV      | 973958         | 1086832       | 28.08%          | 3.037%        |
| 14        | 9.939       | 1333          | 1335        | 1342         | rVB      | 157725         | 168171        | 4.35%           | 0.470%        |
| 15        | 10.139      | 1364          | 1369        | 1373         | rVB3     | 34453          | 51593         | 1.33%           | 0.144%        |
| 16        | 10.316      | 1396          | 1399        | 1402         | rVB      | 171913         | 129662        | 3.35%           | 0.362%        |
| 17        | 10.463      | 1420          | 1424        | 1429         | rVB      | 68724          | 73047         | 1.89%           | 0.204%        |
| 18        | 10.533      | 1431          | 1436        | 1439         | rBV      | 43358          | 61876         | 1.60%           | 0.173%        |
| 19        | 10.704      | 1461          | 1465        | 1477         | rBV      | 1369311        | 1756209       | 45.38%          | 4.908%        |
| 20        | 10.792      | 1477          | 1480        | 1484         | rVB      | 123539         | 133231        | 3.44%           | 0.372%        |
| 21        | 11.239      | 1550          | 1556        | 1559         | rBV2     | 62292          | 78551         | 2.03%           | 0.220%        |
| 22        | 11.404      | 1580          | 1584        | 1586         | rBV      | 870799         | 926172        | 23.93%          | 2.588%        |
| 23        | 11.427      | 1586          | 1588        | 1594         | rVV      | 860854         | 862916        | 22.30%          | 2.412%        |
| 24        | 11.486      | 1594          | 1598        | 1606         | rVB      | 134500         | 188635        | 4.87%           | 0.527%        |
| 25        | 11.651      | 1622          | 1626        | 1631         | rBV      | 84225          | 117099        | 3.03%           | 0.327%        |
| 26        | 11.910      | 1666          | 1670        | 1673         | rBV2     | 113983         | 134050        | 3.46%           | 0.375%        |
| 27        | 11.939      | 1673          | 1675        | 1680         | rVB2     | 73414          | 82477         | 2.13%           | 0.231%        |
| 28        | 12.021      | 1686          | 1689        | 1692         | rBV      | 110214         | 122449        | 3.16%           | 0.342%        |
| 29        | 12.204      | 1716          | 1720        | 1722         | rBV      | 41695          | 46098         | 1.19%           | 0.129%        |
| 30        | 12.245      | 1725          | 1727        | 1739         | rVB3     | 37107          | 60038         | 1.55%           | 0.168%        |
| 31        | 12.557      | 1775          | 1780        | 1786         | rBV4     | 26554          | 50070         | 1.29%           | 0.140%        |
| 32        | 12.621      | 1787          | 1791        | 1801         | rBV      | 982659         | 1017187       | 26.28%          | 2.843%        |
| 33        | 12.780      | 1814          | 1818        | 1824         | rBV3     | 56878          | 67589         | 1.75%           | 0.189%        |
| 34        | 12.857      | 1824          | 1831        | 1836         | rBV      | 745222         | 926324        | 23.94%          | 2.589%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-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-BF022218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.986 | 1848 | 1853 | 1858 | rBV  | 2004928 | 2031037 | 52.48% | 5.676% |
| 36 | 13.068 | 1864 | 1867 | 1871 | rBV2 | 29490   | 47435   | 1.23%  | 0.133% |
| 37 | 13.186 | 1884 | 1887 | 1893 | rVB2 | 90597   | 107315  | 2.77%  | 0.300% |
| 38 | 13.251 | 1895 | 1898 | 1901 | rVV  | 48413   | 44835   | 1.16%  | 0.125% |
| 39 | 13.810 | 1991 | 1993 | 1995 | rBV2 | 58972   | 55597   | 1.44%  | 0.155% |
| 40 | 13.863 | 1999 | 2002 | 2008 | rBV2 | 187288  | 270253  | 6.98%  | 0.755% |
| 41 | 14.057 | 2030 | 2035 | 2038 | rBV2 | 689663  | 976707  | 25.24% | 2.730% |
| 42 | 14.086 | 2038 | 2040 | 2046 | rVB  | 307979  | 306252  | 7.91%  | 0.856% |
| 43 | 14.168 | 2051 | 2054 | 2060 | rBV  | 79957   | 105451  | 2.72%  | 0.295% |
| 44 | 15.127 | 2213 | 2217 | 2225 | rBV  | 241664  | 488949  | 12.63% | 1.367% |
| 45 | 15.445 | 2268 | 2271 | 2275 | rVB  | 104232  | 118948  | 3.07%  | 0.332% |
| 46 | 15.509 | 2279 | 2282 | 2288 | rVB  | 167789  | 253737  | 6.56%  | 0.709% |
| 47 | 15.568 | 2289 | 2292 | 2297 | rBV  | 320729  | 431906  | 11.16% | 1.207% |

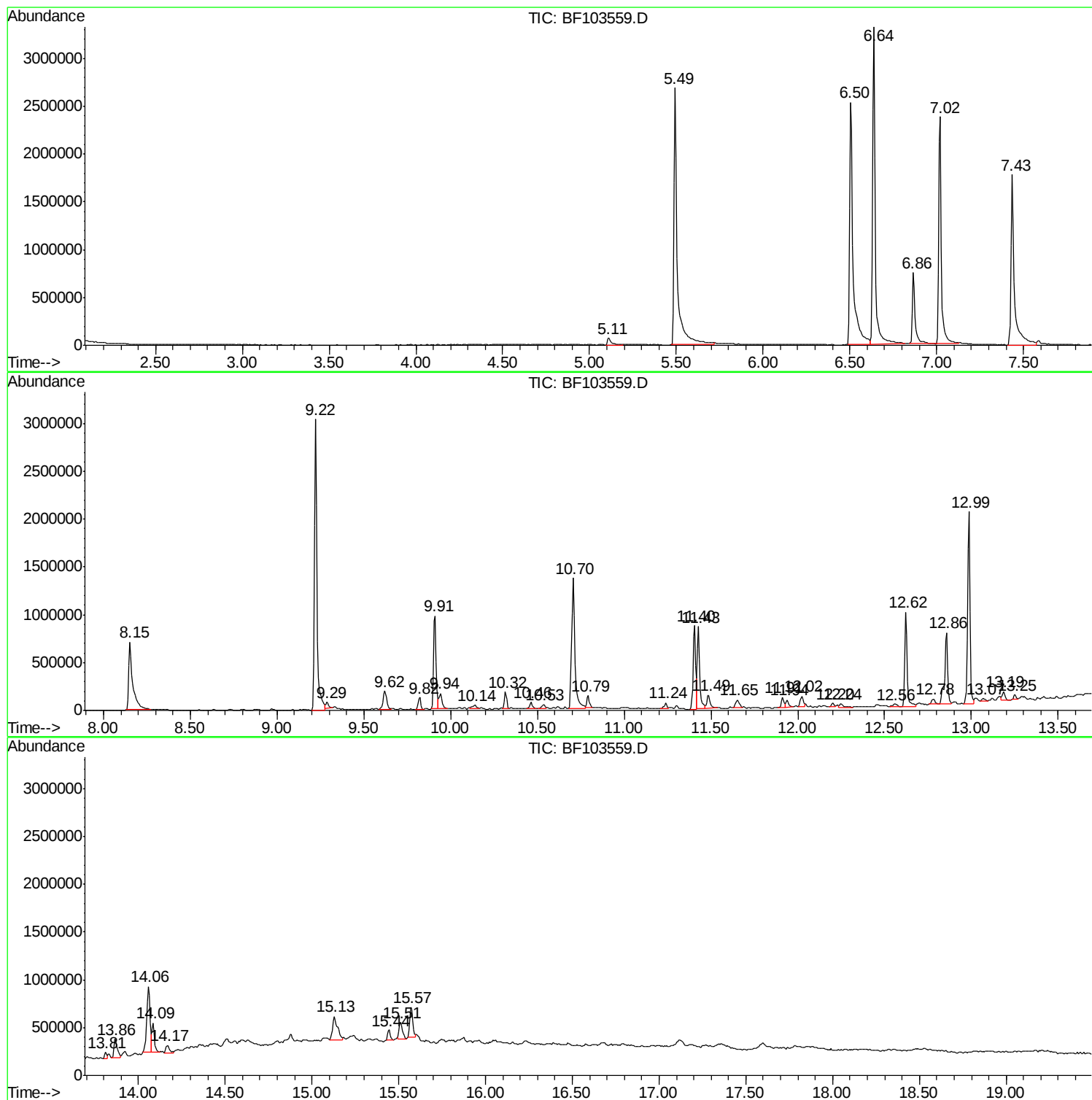
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
TP-4-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.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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Instrument :  
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TP-4-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

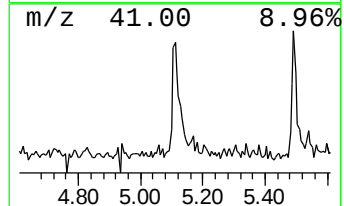
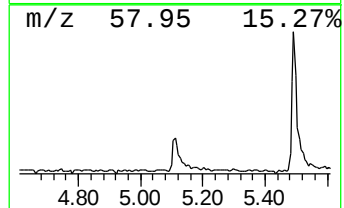
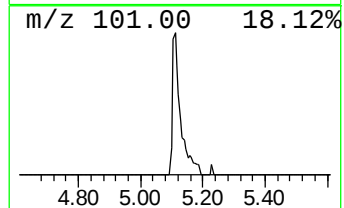
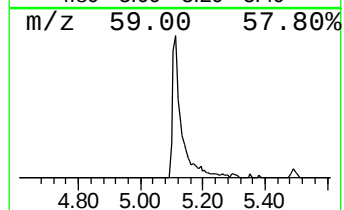
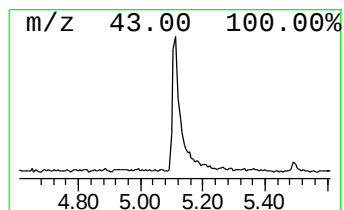
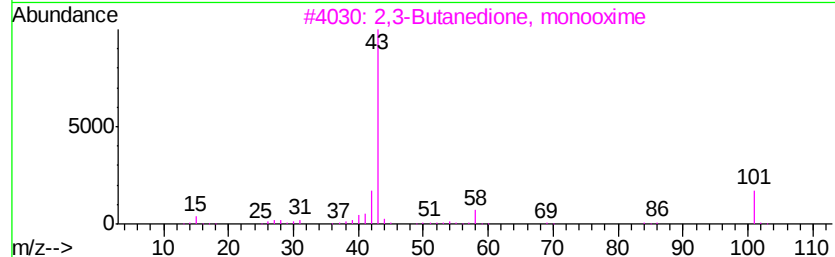
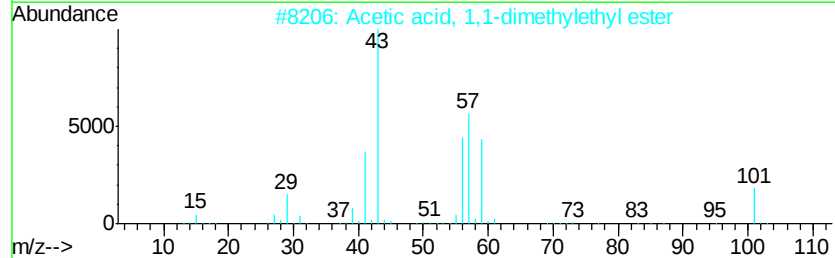
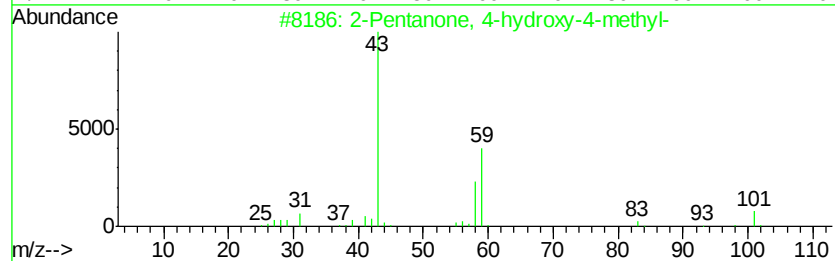
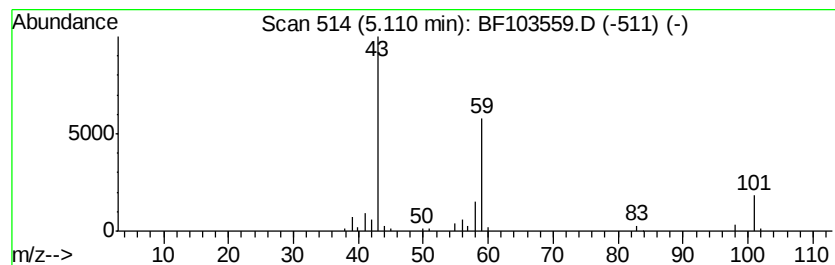
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.11 | 2.94 ng | 130398 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 27   |
| 4    |    | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |
| 5    |    | 4-Penten-2-one, 4-methyl-           | 98  | C6H10O  | 003744-02-3 | 9    |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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TP-4-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

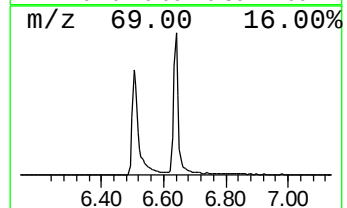
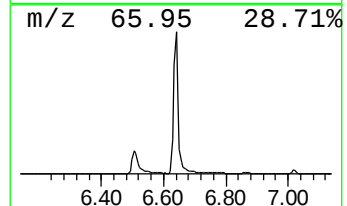
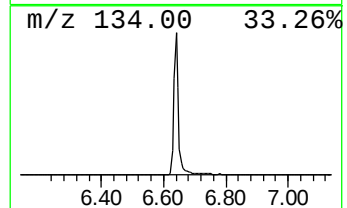
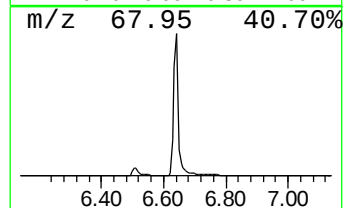
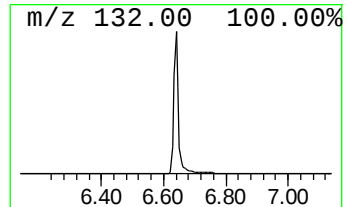
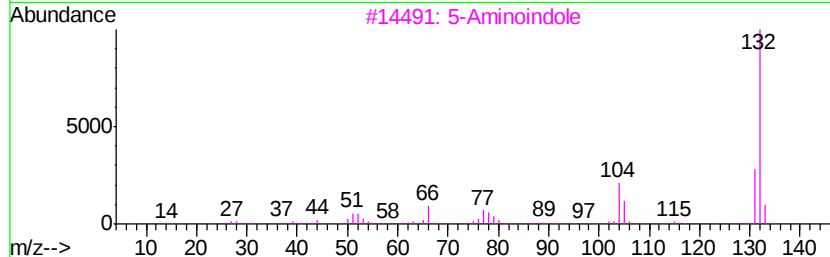
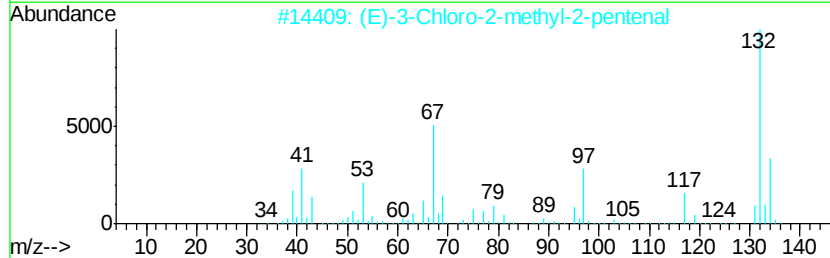
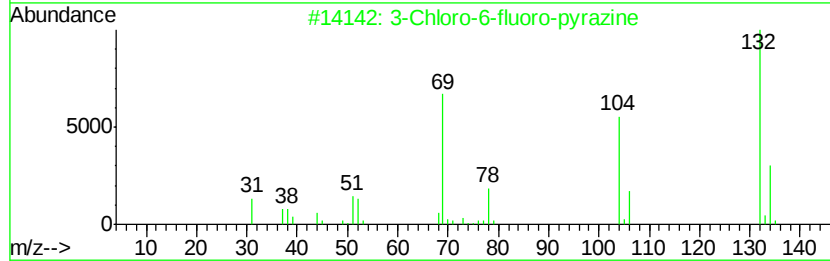
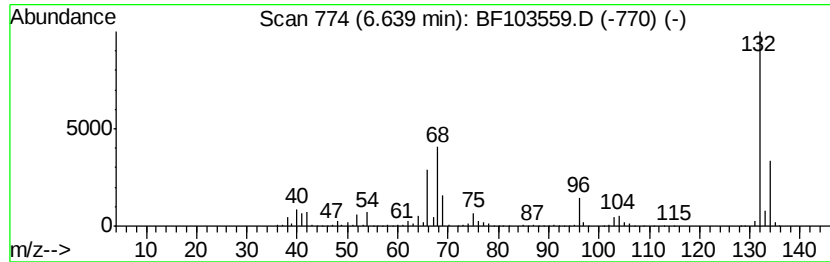
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 83.41 ng | 3696290 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |



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TP-4-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

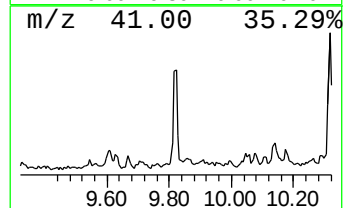
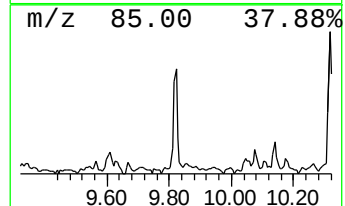
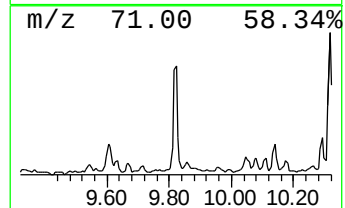
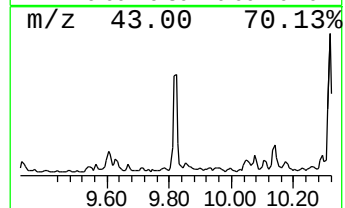
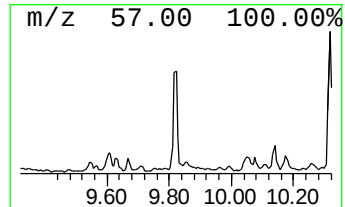
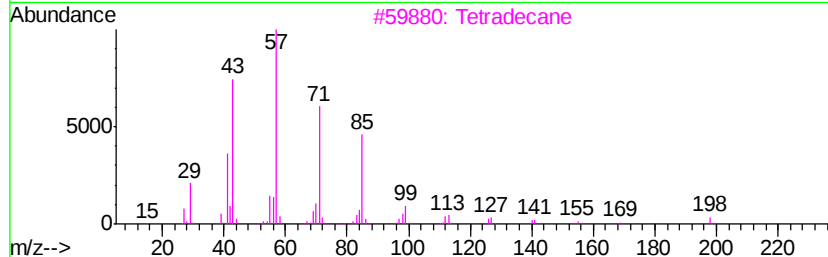
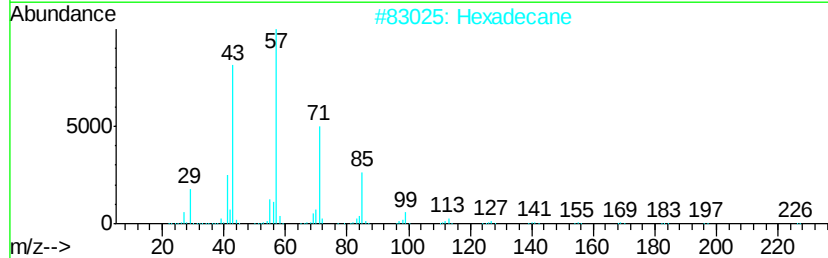
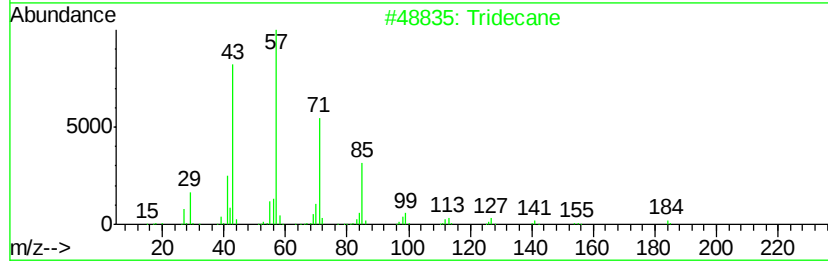
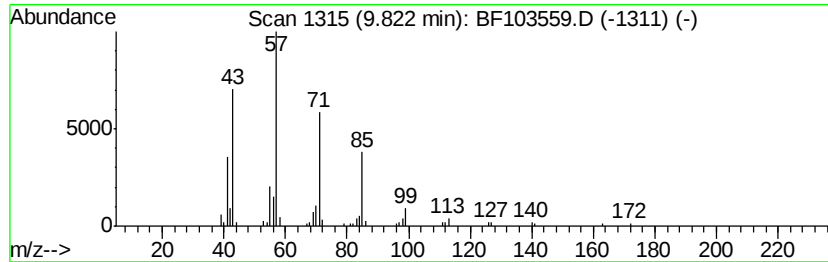
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tridecane Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.82 | 2.16 ng | 117370 | Acenaphthene-d10 | 9.91 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane           |              | 184 | C13H28  | 000629-50-5 | 90   |
| 2       | Hexadecane          |              | 226 | C16H34  | 000544-76-3 | 90   |
| 3       | Tetradecane         |              | 198 | C14H30  | 000629-59-4 | 83   |
| 4       | Pentadecane         |              | 212 | C15H32  | 000629-62-9 | 83   |
| 5       | 9-methylheptadecane |              | 254 | C18H38  | 026741-18-4 | 78   |



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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

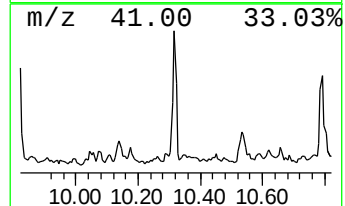
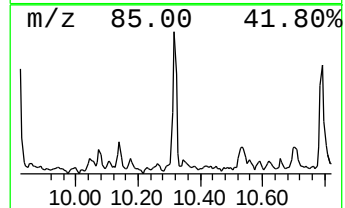
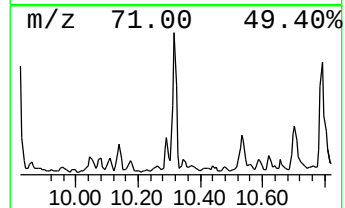
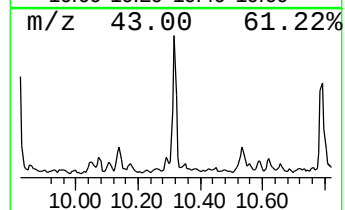
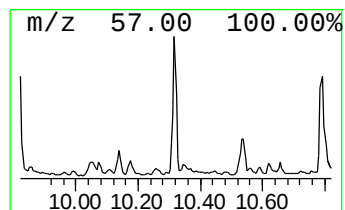
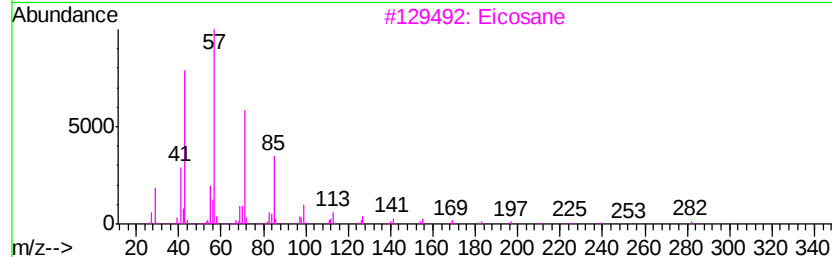
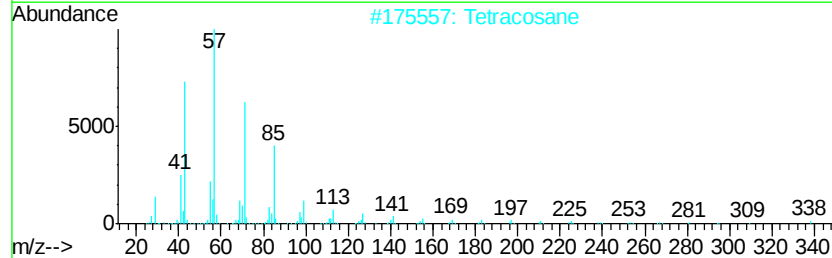
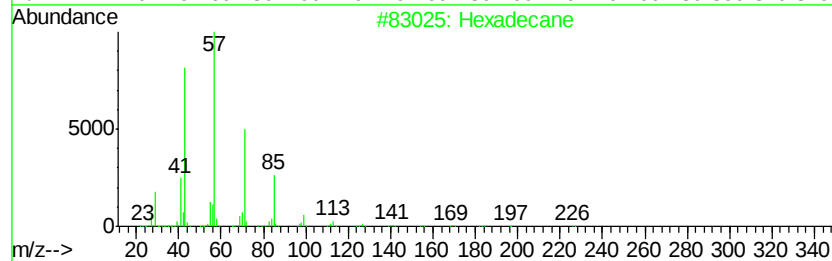
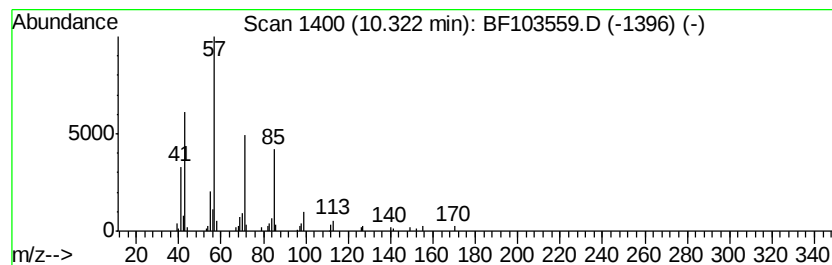
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 5 Hexadecane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.32 | 2.39 ng | 129662 | Acenaphthene-d10 | 9.91 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 90   |
| 2       | Tetracosane |              | 338 | C24H50  | 000646-31-1 | 90   |
| 3       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 87   |
| 4       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 86   |
| 5       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 86   |



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Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

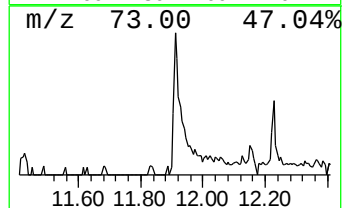
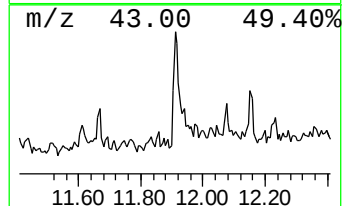
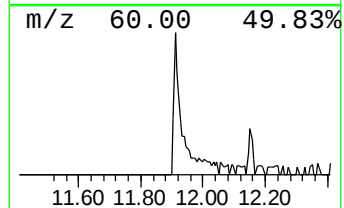
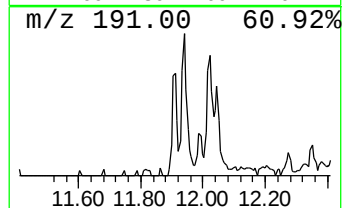
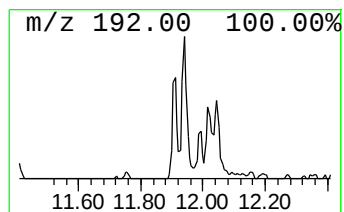
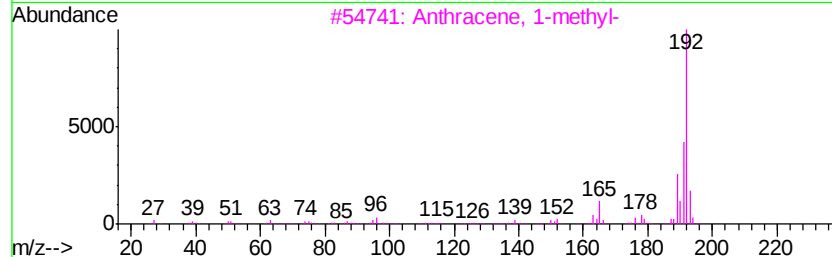
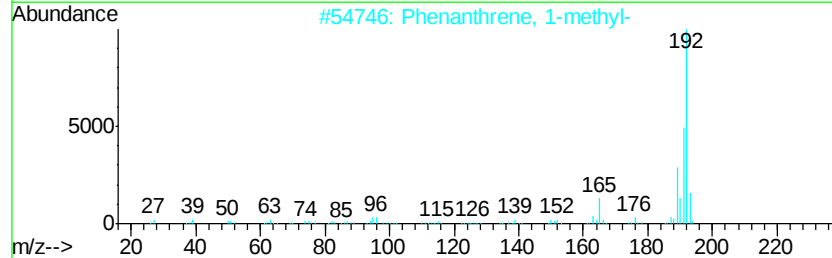
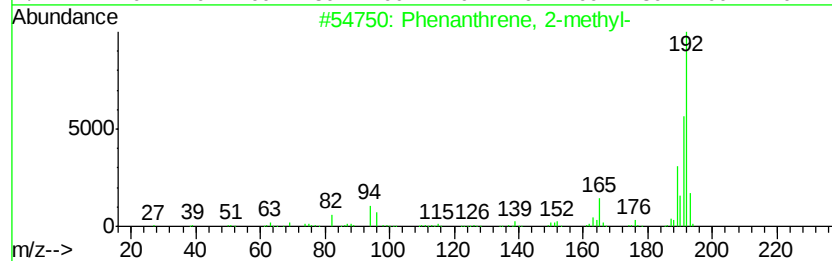
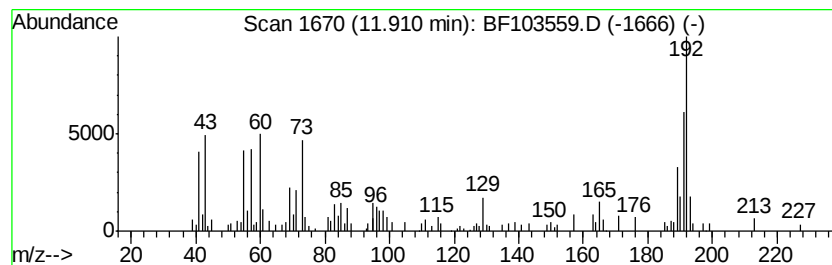
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 11.91     | 2.89 ng                 | 134050 | Phenanthrene-d10 |             | 11.40 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 93    |
| 2         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 91    |
| 3         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 91    |
| 4         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 76    |
| 5         | Phenanthrene, 4-methyl- | 192    | C15H12           | 000832-64-4 | 70    |



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Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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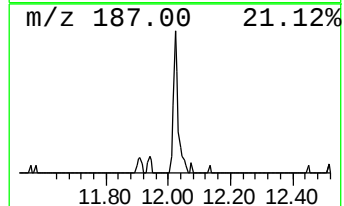
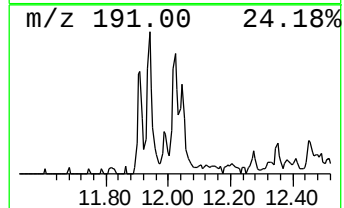
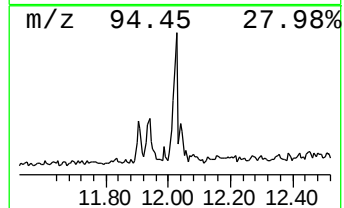
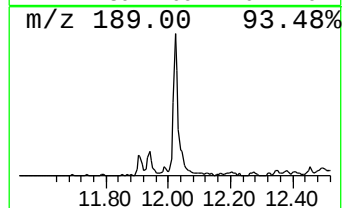
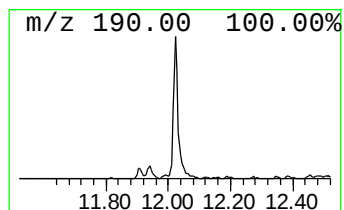
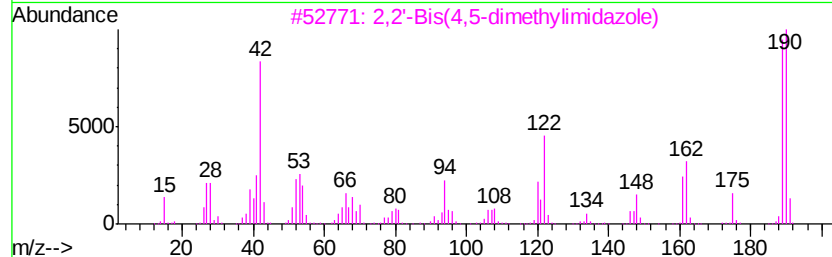
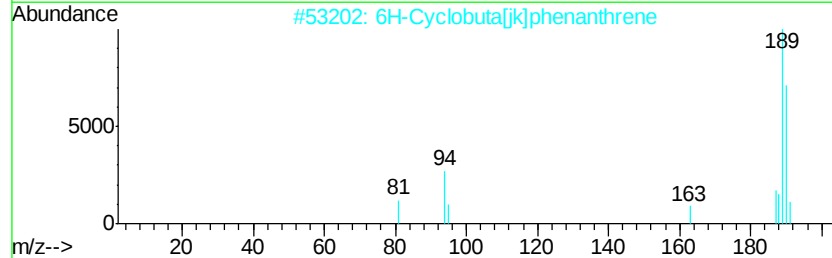
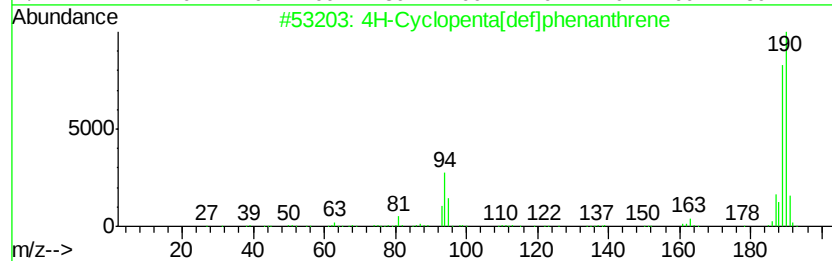
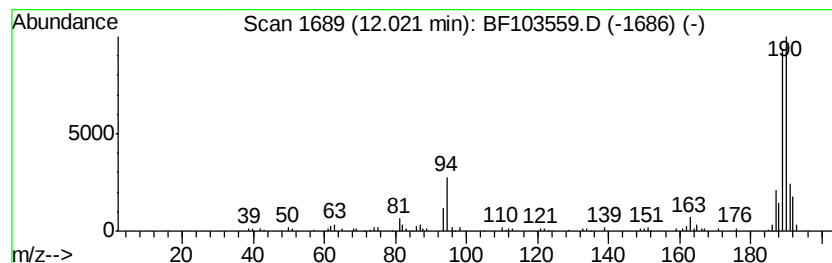
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.02 | 2.64 ng | 122449 | Phenanthrene-d10 | 11.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 93   |
| 2    |    | 6H-Cyclobuta[ik]phenanthrene        | 190 | C15H10   | 083469-43-6 | 50   |
| 3    |    | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4 | 069286-06-2 | 45   |
| 4    |    | Methyl diselenide                   | 190 | C2H6Se2  | 007101-31-7 | 38   |
| 5    |    | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4  | 004923-55-1 | 35   |



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Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

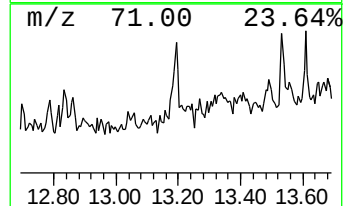
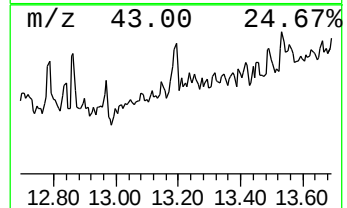
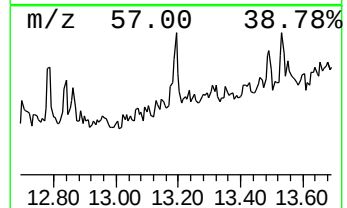
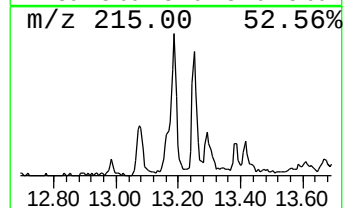
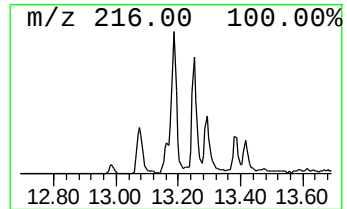
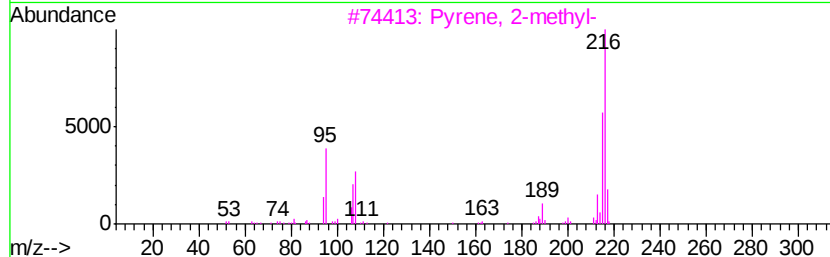
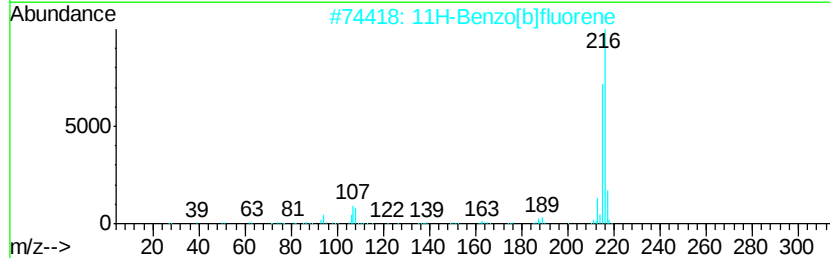
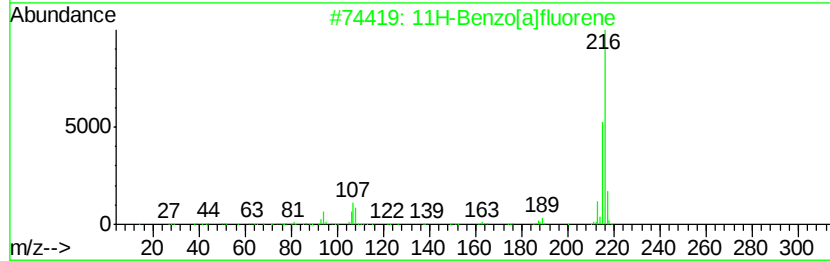
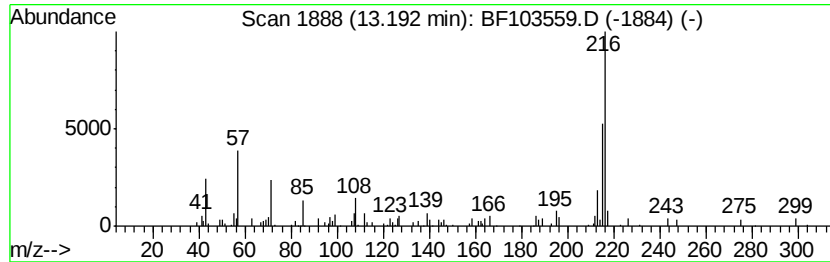
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.19 | 2.20 ng | 107315 | Chrysene-d12     | 14.06 |

| Hit# of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------|-----|---------|-------------|------|
| 1       |   | 11H-Benzo[a]fluorene | 216 | C17H12  | 000238-84-6 | 87   |
| 2       |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 87   |
| 3       |   | Pvrene, 2-methyl-    | 216 | C17H12  | 003442-78-2 | 86   |
| 4       |   | Pvrene, 1-methyl-    | 216 | C17H12  | 002381-21-7 | 64   |
| 5       |   | 7H-Benzo[c]fluorene  | 216 | C17H12  | 000205-12-9 | 53   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030918\  
Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

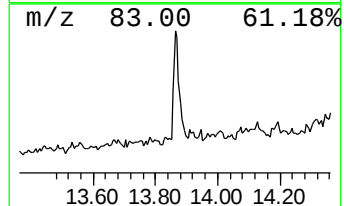
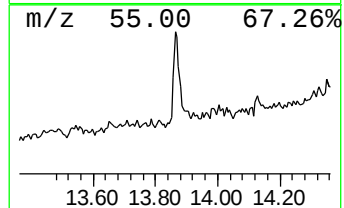
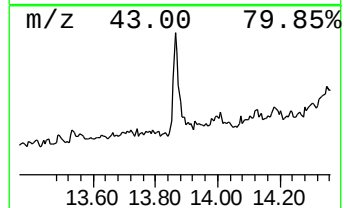
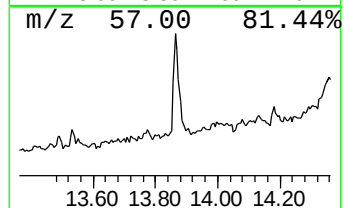
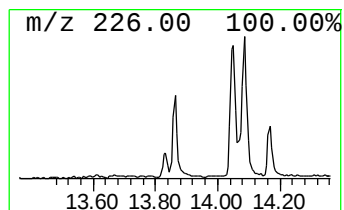
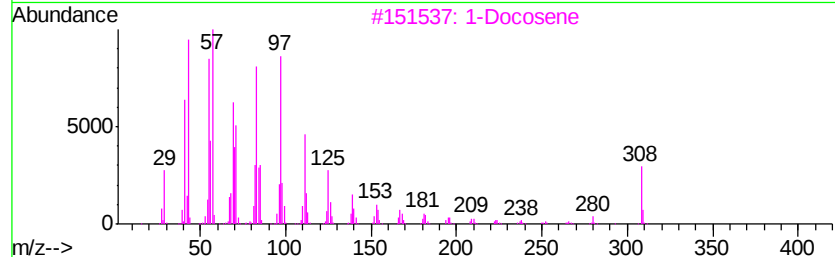
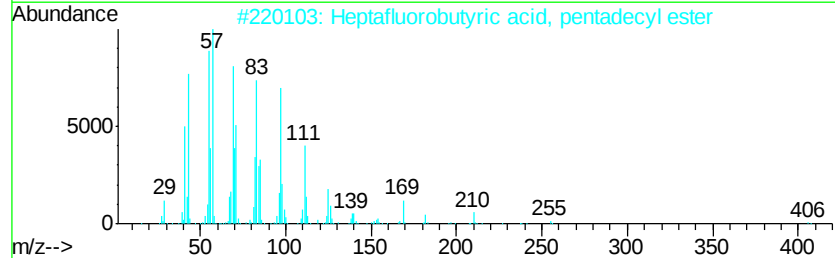
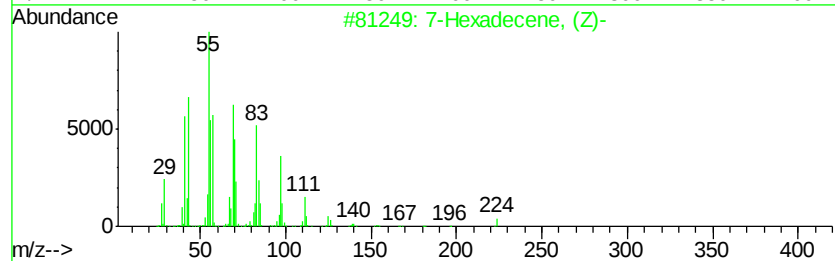
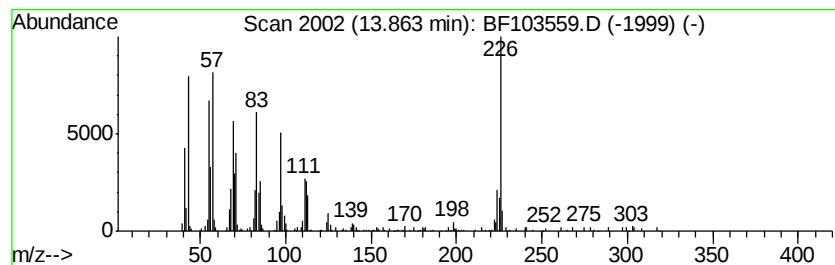
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-COMP

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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 10 7-Hexadecene, (Z)- Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.86     | 5.53 ng                             | 270253 | Chrysene-d12     | 14.06       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 7-Hexadecene, (Z)-                  | 224    | C16H32           | 035507-09-6 | 89   |
| 2         | Heptafluorobutyric acid, pentade... | 424    | C19H31F7O2       | 959261-23-5 | 78   |
| 3         | 1-Docosene                          | 308    | C22H44           | 001599-67-3 | 70   |
| 4         | Heptadecyl heptafluorobutyrate      | 452    | C21H35F7O2       | 959085-66-6 | 60   |
| 5         | Heptafluorobutyric acid, n-tetra... | 410    | C18H29F7O2       | 007365-36-8 | 60   |



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Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-COMP

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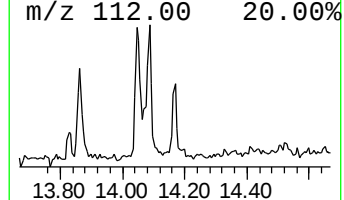
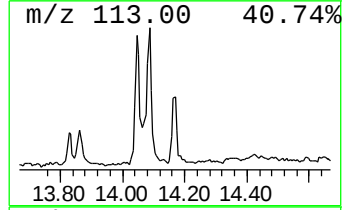
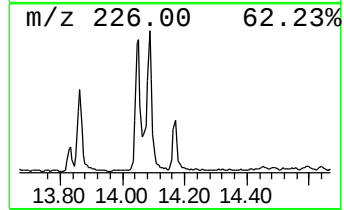
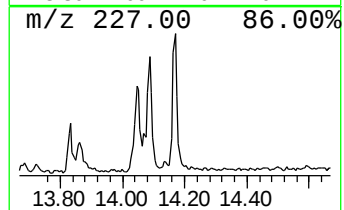
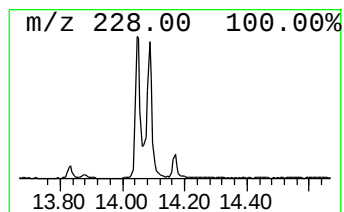
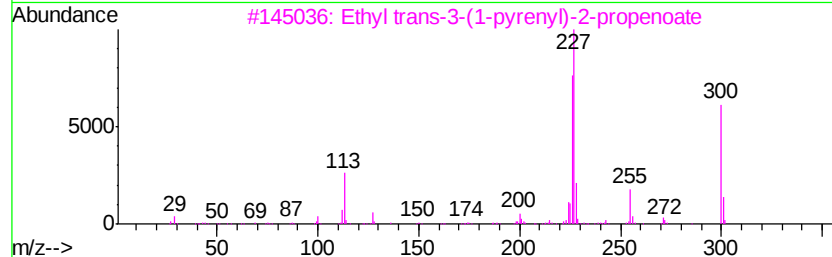
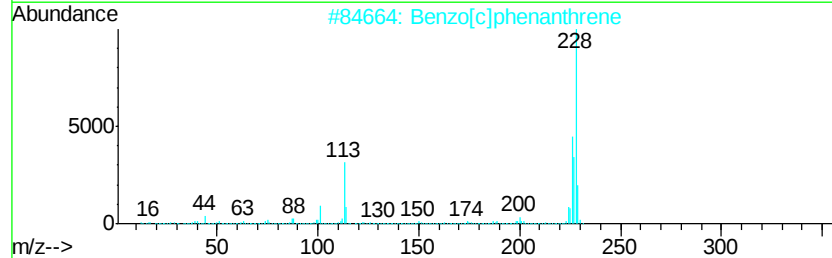
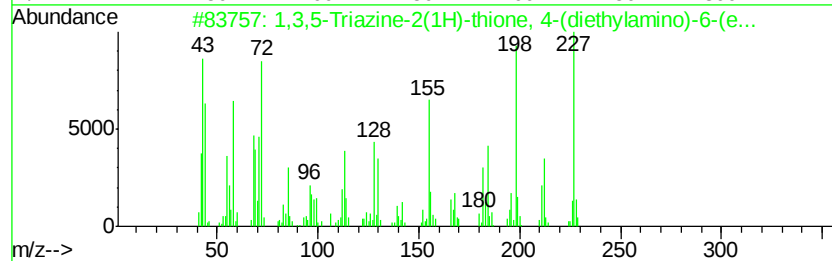
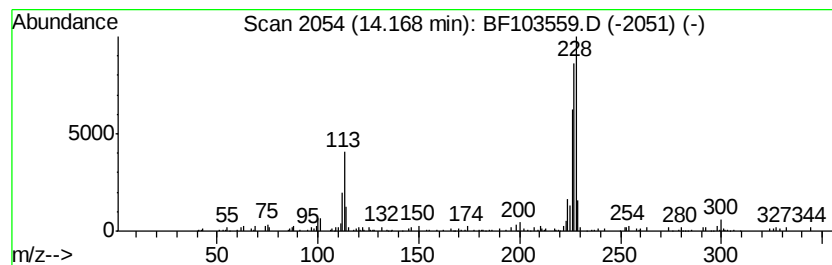
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 1,3,5-Triazine-2(1H)-thione... Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.17 | 2.16 ng | 105451 | Chrysene-d12     | 14.06 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 1,3,5-Triazine-2(1H)-thione, 4-(... | 227 | C9H17N5S | 023613-02-7  | 89   |
| 2    |    | Benzo[c]phenanthrene                | 228 | C18H12   | 000195-19-7  | 55   |
| 3    |    | Ethyl trans-3-(1-pyrenyl)-2-prop... | 300 | C21H16O2 | 1000326-14-5 | 50   |
| 4    |    | Cyclopenta(cd)pyrene, 3,4-dihydro-  | 228 | C18H12   | 025732-74-5  | 50   |
| 5    |    | Triphenylene                        | 228 | C18H12   | 000217-59-4  | 38   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030918\  
Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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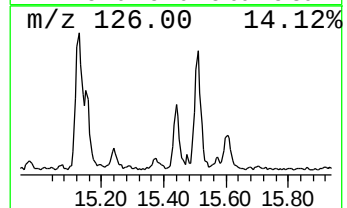
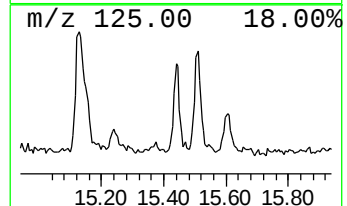
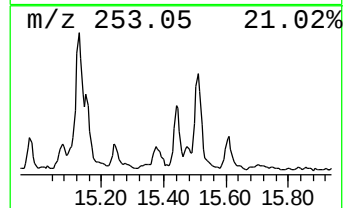
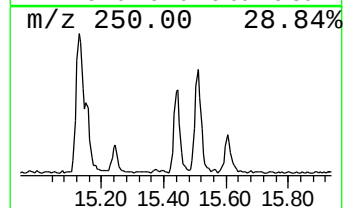
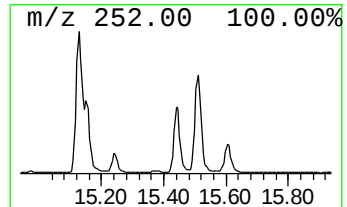
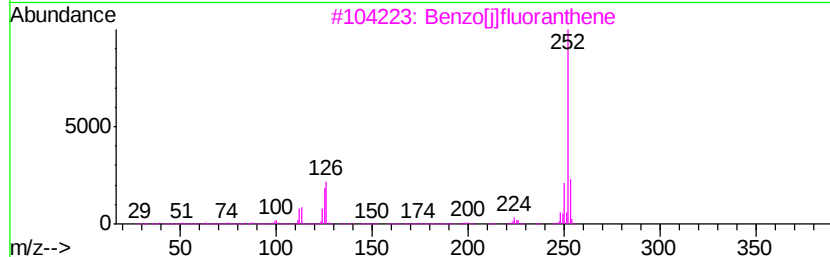
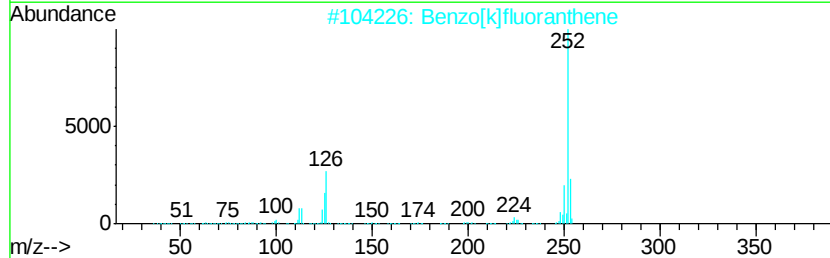
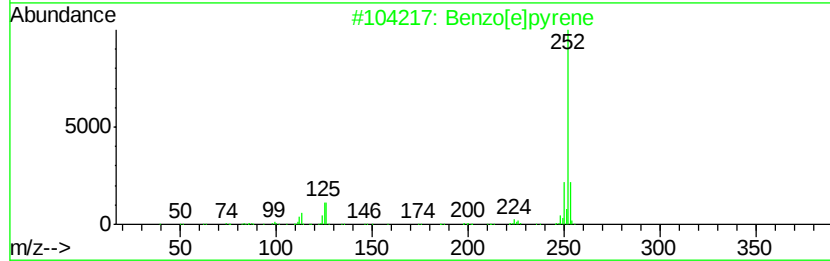
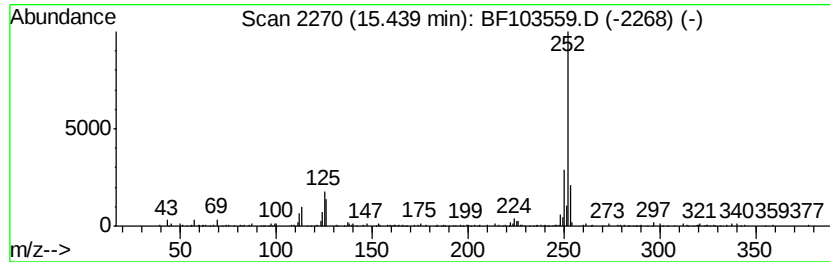
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzo[e]pyrene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.44 | 5.51 ng | 118948 | Perylene-d12     | 15.57 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 93   |
| 3    |    |   | Benzo[i]fluoranthene      | 252 | C20H12  | 000205-82-3 | 93   |
| 4    |    |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 5    |    |   | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 90   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF030918\  
Data File : BF103559.D  
Acq On : 9 Mar 2018 16:12  
Operator : SJ/JU  
Sample : J1855-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.11  | 2.9     | ng    | 130398   | 1                     | 6.86  | 886291  | 20.0 |
| unknown6.64          | 6.64  | 83.4    | ng    | 3696290  | 1                     | 6.86  | 886291  | 20.0 |
| Tridecane            | 9.82  | 2.2     | ng    | 117370   | 3                     | 9.91  | 1086830 | 20.0 |
| Hexadecane           | 10.32 | 2.4     | ng    | 129662   | 3                     | 9.91  | 1086830 | 20.0 |
| Phenanthrene, 2-m... | 11.91 | 2.9     | ng    | 134050   | 4                     | 11.40 | 926172  | 20.0 |
| 4H-Cyclopenta[def... | 12.02 | 2.6     | ng    | 122449   | 4                     | 11.40 | 926172  | 20.0 |
| 11H-Benzo[a]fluorene | 13.19 | 2.2     | ng    | 107315   | 5                     | 14.06 | 976707  | 20.0 |
| 7-Hexadecene, (Z)-   | 13.86 | 5.5     | ng    | 270253   | 5                     | 14.06 | 976707  | 20.0 |
| 1,3,5-Triazine-2(... | 14.17 | 2.2     | ng    | 105451   | 5                     | 14.06 | 976707  | 20.0 |
| Benzo[e]pyrene       | 15.44 | 5.5     | ng    | 118948   | 6                     | 15.57 | 431906  | 20.0 |