

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
 Data File : BP000257.D  
 Acq On : 16 Sep 2019 23:37  
 Operator : HP/JU  
 Sample : K4873-04 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-29

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\_P\METHODS\8270-BP091619.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         | 5.405       | 560           | 564         | 567          | rBV      | 3426794        | 2877797       | 67.48%          | 4.855%        |
| 2         | 6.416       | 732           | 736         | 743          | rVB      | 3693806        | 3174791       | 74.44%          | 5.356%        |
| 3         | 6.558       | 756           | 760         | 763          | rBV      | 3986467        | 3244136       | 76.07%          | 5.473%        |
| 4         | 6.787       | 796           | 799         | 803          | rBV      | 2401147        | 1889644       | 44.31%          | 3.188%        |
| 5         | 6.946       | 822           | 826         | 829          | rVB      | 3480111        | 2705561       | 63.44%          | 4.564%        |
| 6         | 7.346       | 887           | 894         | 897          | rBV      | 2212436        | 1851971       | 43.42%          | 3.124%        |
| 7         | 7.940       | 992           | 995         | 999          | rBV      | 56843          | 54876         | 1.29%           | 0.093%        |
| 8         | 8.046       | 1009          | 1013        | 1014         | rBV      | 78134          | 60824         | 1.43%           | 0.103%        |
| 9         | 8.069       | 1014          | 1017        | 1020         | rVV      | 3102601        | 2419989       | 56.74%          | 4.082%        |
| 10        | 8.093       | 1020          | 1021        | 1028         | rVB      | 154734         | 81755         | 1.92%           | 0.138%        |
| 11        | 8.499       | 1087          | 1090        | 1095         | rBV      | 72988          | 74183         | 1.74%           | 0.125%        |
| 12        | 8.781       | 1134          | 1138        | 1141         | rVB      | 56148          | 54666         | 1.28%           | 0.092%        |
| 13        | 9.146       | 1197          | 1200        | 1204         | rBV      | 5292415        | 4264794       | 100.00%         | 7.195%        |
| 14        | 9.240       | 1212          | 1216        | 1219         | rBV3     | 70957          | 85836         | 2.01%           | 0.145%        |
| 15        | 9.540       | 1264          | 1267        | 1273         | rBV      | 487127         | 401300        | 9.41%           | 0.677%        |
| 16        | 9.687       | 1288          | 1292        | 1296         | rBV      | 212299         | 188877        | 4.43%           | 0.319%        |
| 17        | 9.769       | 1304          | 1306        | 1311         | rVB      | 66406          | 53624         | 1.26%           | 0.090%        |
| 18        | 9.828       | 1313          | 1316        | 1320         | rVV      | 3422137        | 2802474       | 65.71%          | 4.728%        |
| 19        | 9.863       | 1320          | 1322        | 1325         | rVB      | 72956          | 58464         | 1.37%           | 0.099%        |
| 20        | 10.034      | 1348          | 1351        | 1354         | rBV      | 91203          | 71735         | 1.68%           | 0.121%        |
| 21        | 10.381      | 1407          | 1410        | 1416         | rBV2     | 80542          | 114466        | 2.68%           | 0.193%        |
| 22        | 10.552      | 1435          | 1439        | 1442         | rBV2     | 120858         | 126696        | 2.97%           | 0.214%        |
| 23        | 10.593      | 1442          | 1446        | 1447         | rBV      | 153340         | 142131        | 3.33%           | 0.240%        |
| 24        | 10.616      | 1447          | 1450        | 1456         | rVB      | 2646312        | 2461464       | 57.71%          | 4.152%        |
| 25        | 10.757      | 1469          | 1474        | 1477         | rBV      | 730774         | 683459        | 16.03%          | 1.153%        |
| 26        | 10.810      | 1480          | 1483        | 1485         | rVV      | 1611919        | 1274966       | 29.89%          | 2.151%        |
| 27        | 10.846      | 1485          | 1489        | 1492         | rVV2     | 1438804        | 1772220       | 41.55%          | 2.990%        |
| 28        | 10.875      | 1492          | 1494        | 1497         | rVV2     | 1629644        | 1451579       | 34.04%          | 2.449%        |
| 29        | 10.899      | 1497          | 1498        | 1501         | rVV      | 900432         | 692048        | 16.23%          | 1.167%        |
| 30        | 10.946      | 1501          | 1506        | 1507         | rVV2     | 569825         | 779919        | 18.29%          | 1.316%        |
| 31        | 10.987      | 1510          | 1513        | 1517         | rVV3     | 1188024        | 1383474       | 32.44%          | 2.334%        |
| 32        | 11.028      | 1517          | 1520        | 1522         | rVV      | 1599661        | 1359249       | 31.87%          | 2.293%        |
| 33        | 11.046      | 1522          | 1523        | 1525         | rVV      | 422750         | 360094        | 8.44%           | 0.607%        |
| 34        | 11.069      | 1525          | 1527        | 1531         | rVB2     | 928132         | 716634        | 16.80%          | 1.209%        |

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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

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\_P\METHODS\8270-BP091619.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.322 | 1567 | 1570 | 1573 | rBV  | 3358319 | 2854574 | 66.93%  | 4.816% |
| 36 | 11.346 | 1573 | 1574 | 1577 | rVV  | 598063  | 343478  | 8.05%   | 0.579% |
| 37 | 11.399 | 1580 | 1583 | 1586 | rVB  | 323946  | 259561  | 6.09%   | 0.438% |
| 38 | 11.434 | 1586 | 1589 | 1593 | rBV4 | 47298   | 60868   | 1.43%   | 0.103% |
| 39 | 11.551 | 1607 | 1609 | 1613 | rBV  | 58869   | 56315   | 1.32%   | 0.095% |
| 40 | 11.828 | 1654 | 1656 | 1659 | rBV  | 90706   | 78499   | 1.84%   | 0.132% |
| 41 | 11.857 | 1659 | 1661 | 1666 | rBV  | 428018  | 430901  | 10.10%  | 0.727% |
| 42 | 11.904 | 1667 | 1669 | 1672 | rVB  | 83763   | 63861   | 1.50%   | 0.108% |
| 43 | 11.940 | 1672 | 1675 | 1678 | rBV  | 191288  | 229700  | 5.39%   | 0.387% |
| 44 | 12.128 | 1705 | 1707 | 1709 | rBV  | 77468   | 63961   | 1.50%   | 0.108% |
| 45 | 12.387 | 1748 | 1751 | 1754 | rBV2 | 112622  | 98754   | 2.32%   | 0.167% |
| 46 | 12.546 | 1775 | 1778 | 1781 | rBV  | 1492829 | 1184399 | 27.77%  | 1.998% |
| 47 | 12.593 | 1784 | 1786 | 1792 | rVV2 | 193248  | 192530  | 4.51%   | 0.325% |
| 48 | 12.775 | 1812 | 1817 | 1819 | rBV  | 1349674 | 1268401 | 29.74%  | 2.140% |
| 49 | 12.804 | 1819 | 1822 | 1825 | rVB  | 1728306 | 1593190 | 37.36%  | 2.688% |
| 50 | 12.922 | 1839 | 1842 | 1846 | rBV  | 4817910 | 4264893 | 100.00% | 7.195% |
| 51 | 13.110 | 1872 | 1874 | 1877 | rVB  | 233028  | 196686  | 4.61%   | 0.332% |
| 52 | 13.845 | 1996 | 1999 | 2007 | rVB4 | 418442  | 565495  | 13.26%  | 0.954% |
| 53 | 13.987 | 2019 | 2023 | 2026 | rBV2 | 2992316 | 3458170 | 81.08%  | 5.834% |
| 54 | 14.010 | 2026 | 2027 | 2030 | rVB  | 614574  | 479989  | 11.25%  | 0.810% |
| 55 | 15.475 | 2273 | 2276 | 2280 | rVB  | 1594365 | 1797795 | 42.15%  | 3.033% |

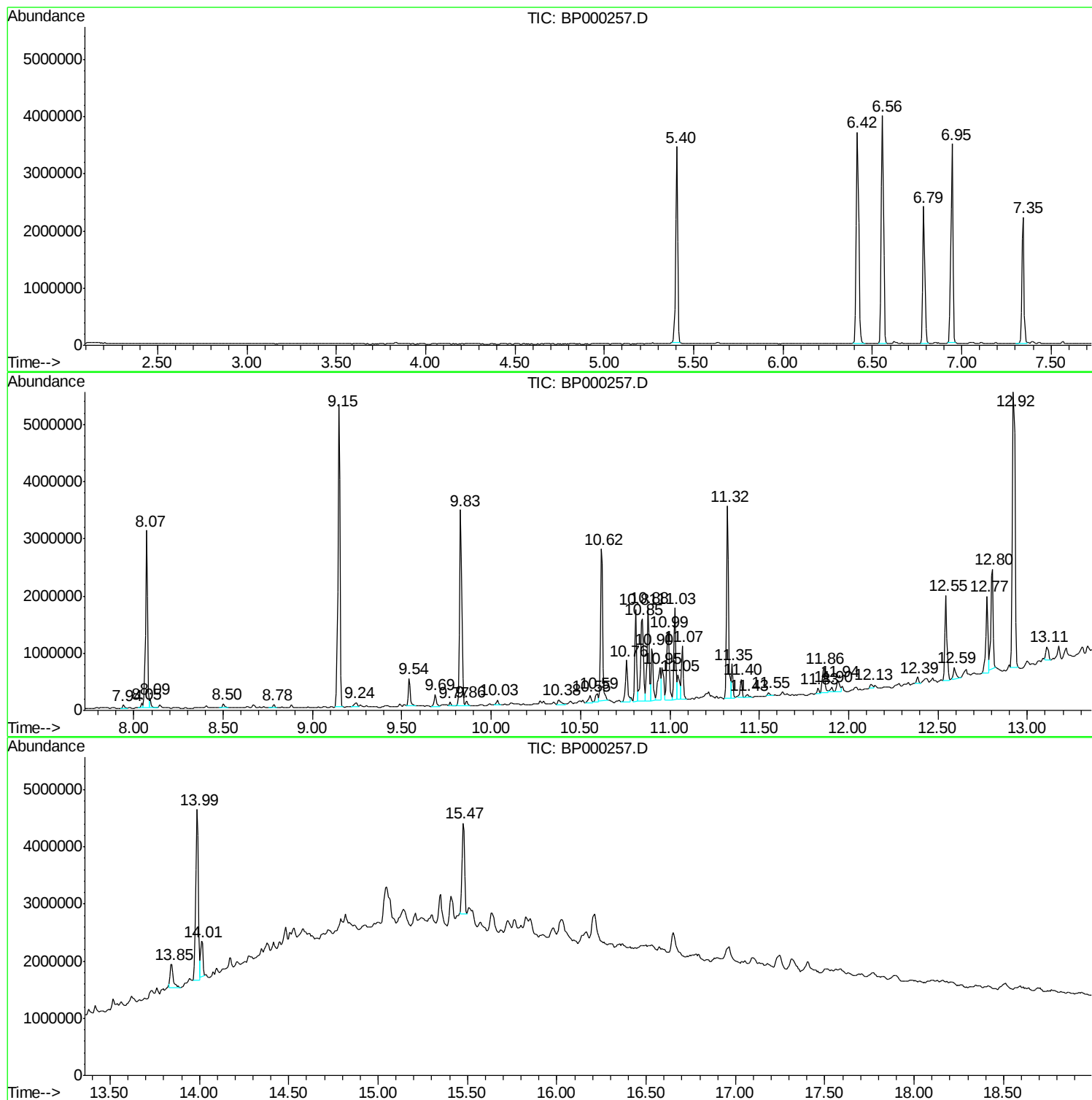
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.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 P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
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COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

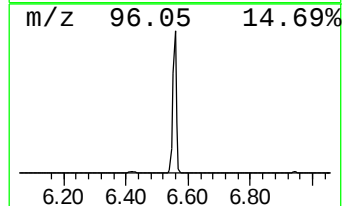
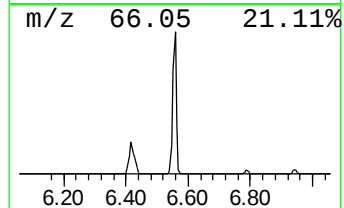
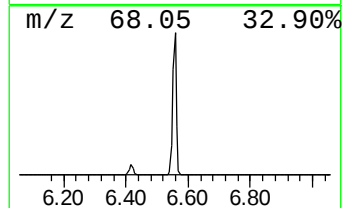
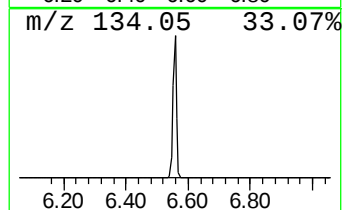
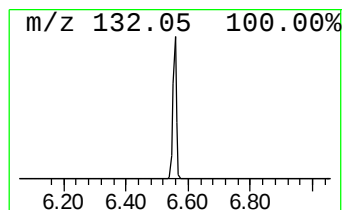
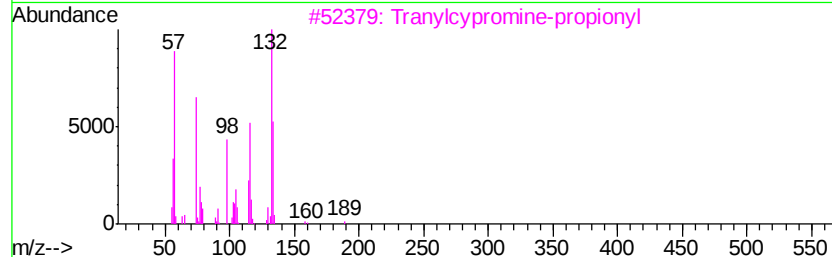
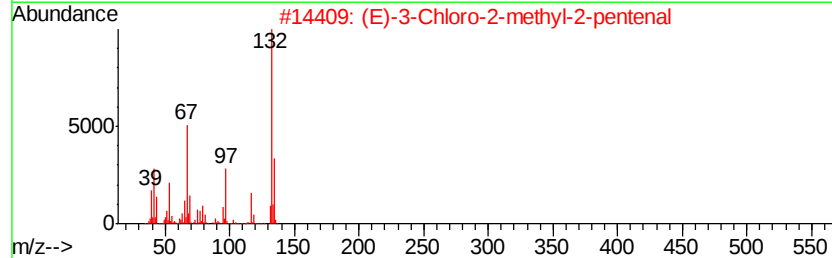
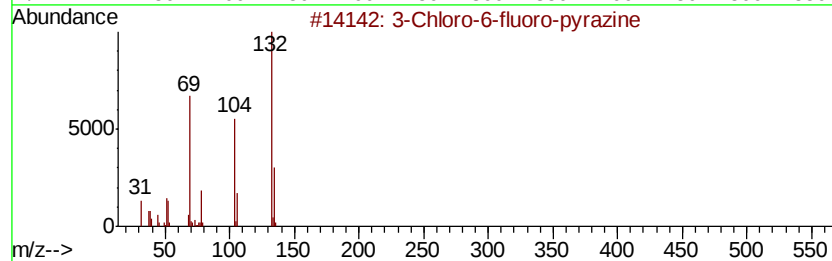
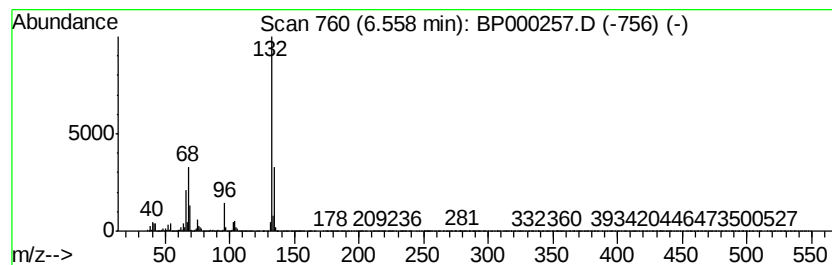
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.56 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.56 | 34.34 ng | 3244140 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Tranvlcyproline-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |



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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

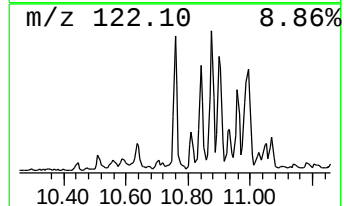
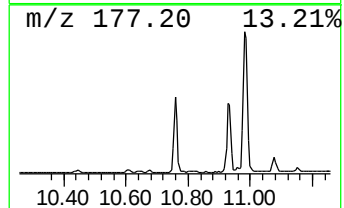
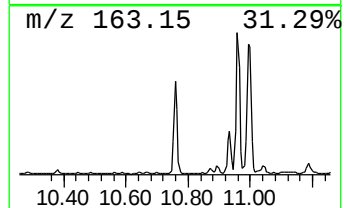
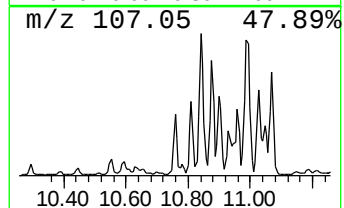
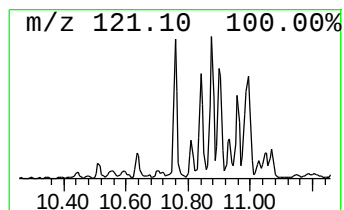
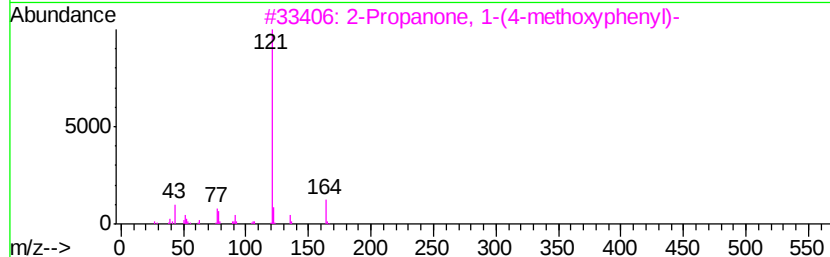
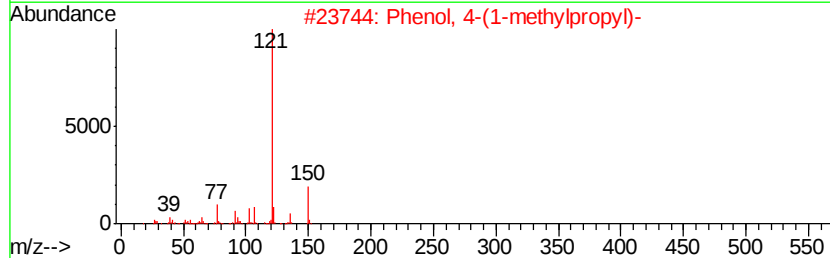
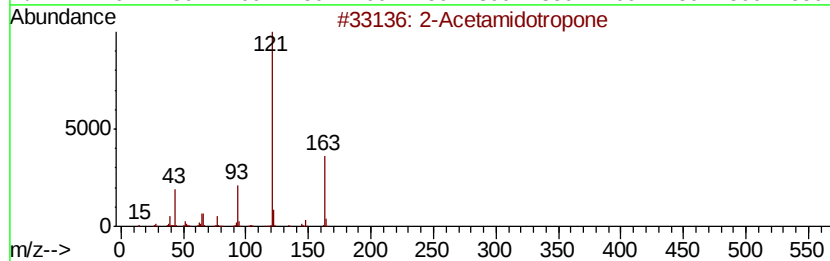
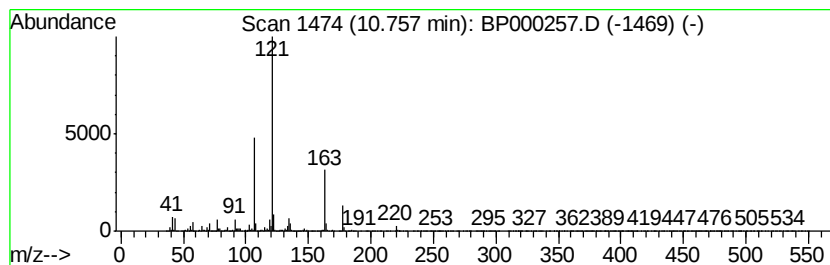
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown10.76 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.76 | 4.79 ng | 683459 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Acetamidotropone                 | 163 | C9H9NO2  | 006422-12-4 | 47   |
| 2    |    | Phenol, 4-(1-methylpropyl)-        | 150 | C10H14O  | 000099-71-8 | 43   |
| 3    |    | 2-Propanone, 1-(4-methoxyphenyl)-  | 164 | C10H12O2 | 000122-84-9 | 43   |
| 4    |    | p-Sec-butylphenyl acetate          | 192 | C12H16O2 | 003245-24-7 | 43   |
| 5    |    | Acetamide, N-(2,6-dimethylphenyl)- | 163 | C10H13NO | 002198-53-0 | 40   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

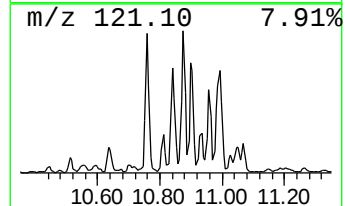
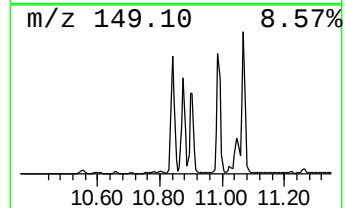
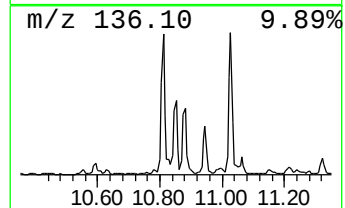
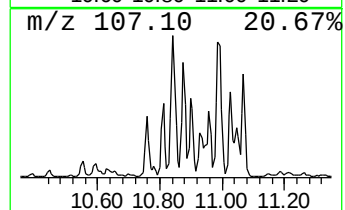
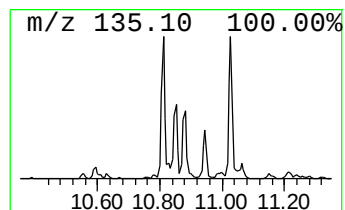
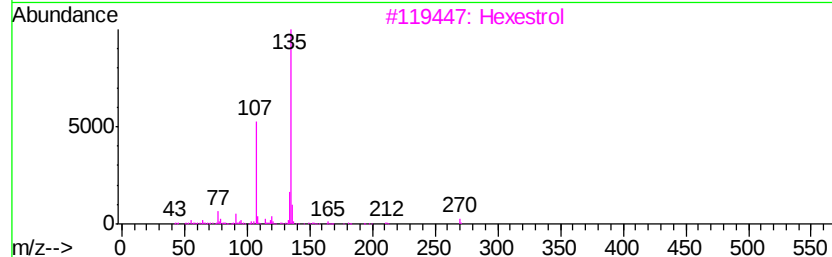
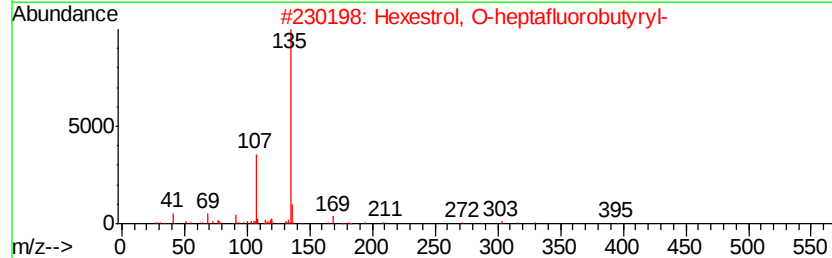
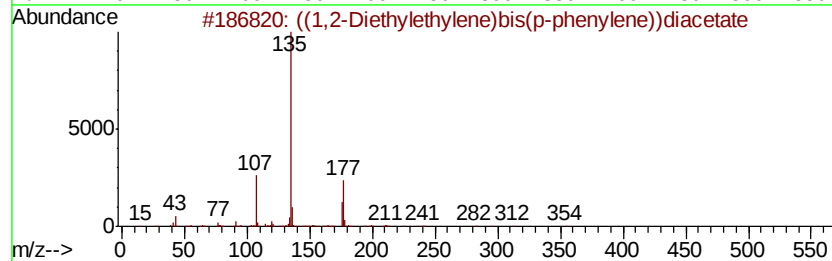
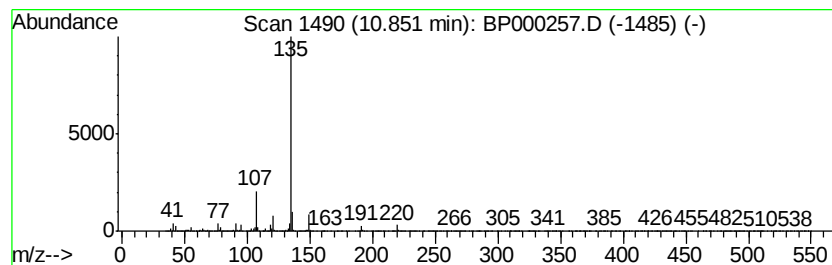
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 ((1,2-Diethylethylene)bis(p... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.85 | 12.42 ng | 1772220 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | ((1,2-Diethylethylene)bis(p-phen... | 354 | C22H26O4   | 004547-76-6  | 52   |
| 2       |   | Hexestrol, O-heptafluorobutyryl-    | 466 | C22H21F7O3 | 1000365-31-9 | 50   |
| 3       |   | Hexestrol                           | 270 | C18H22O2   | 000084-16-2  | 50   |
| 4       |   | Hexestrol                           | 270 | C18H22O2   | 005635-50-7  | 50   |
| 5       |   | Hexestrol, O-trifluoroacetyl-       | 366 | C20H21F3O3 | 1000365-31-7 | 50   |



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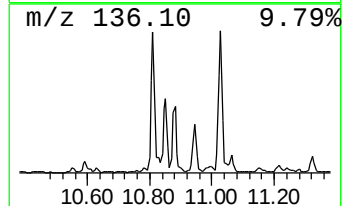
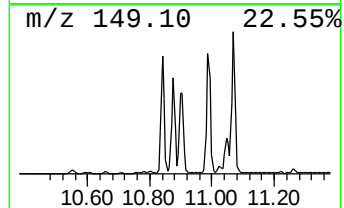
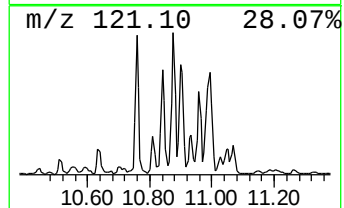
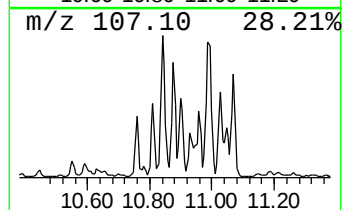
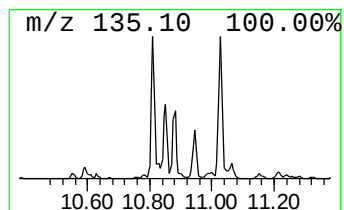
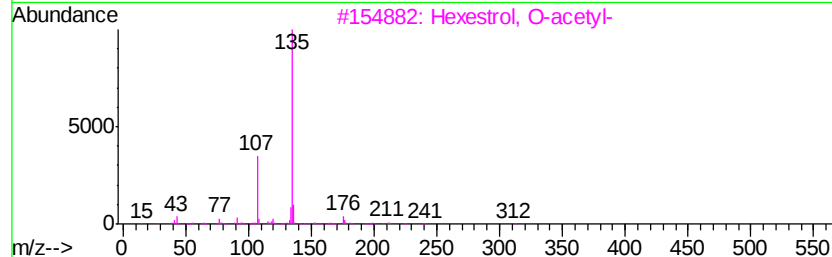
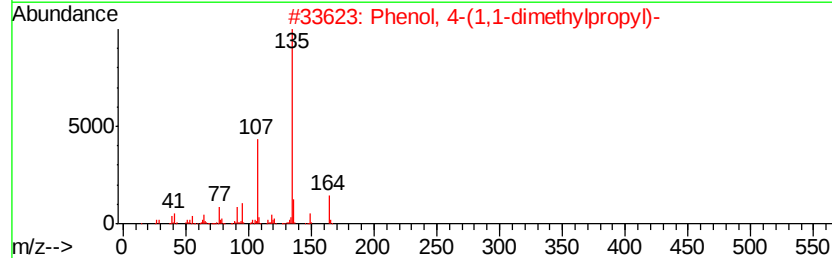
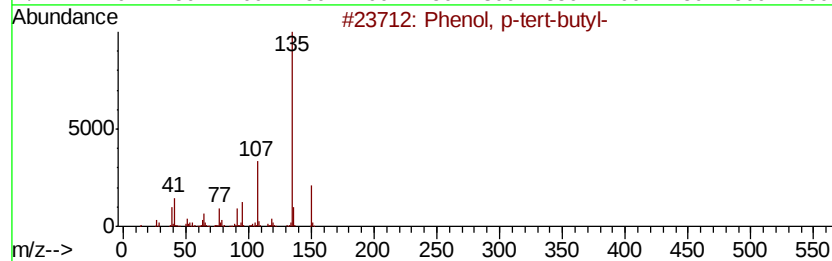
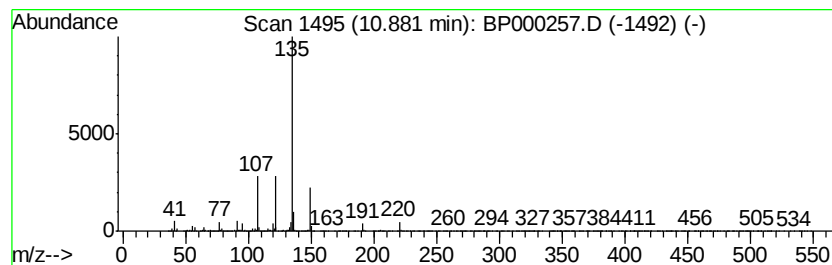
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ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Phenol, p-tert-butyl- Concentration Rank 4

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.     |              |      |
|---------|----------|-------------------------------------|------------------|----------|--------------|------|
| 10.88   | 10.17 ng | 1451580                             | Phenanthrene-d10 | 11.32    |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm  | CAS#         | Qual |
| 1       |          | Phenol, p-tert-butyl-               | 150              | C10H14O  | 000098-54-4  | 58   |
| 2       |          | Phenol, 4-(1,1-dimethylpropyl)-     | 164              | C11H16O  | 000080-46-6  | 50   |
| 3       |          | Hexestrol, O-acetyl-                | 312              | C20H24O3 | 1000374-87-8 | 50   |
| 4       |          | ((1,2-Diethylethylene)bis(p-phen... | 354              | C22H26O4 | 004547-76-6  | 50   |
| 5       |          | Phenol, m-tert-butyl-               | 150              | C10H14O  | 000585-34-2  | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

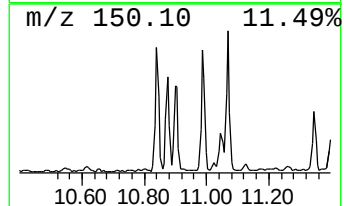
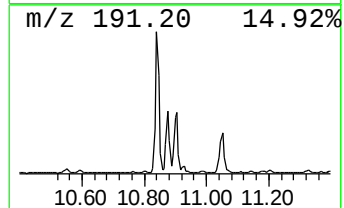
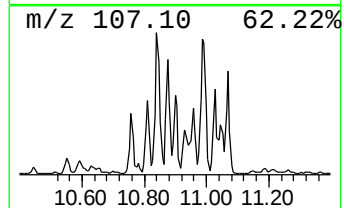
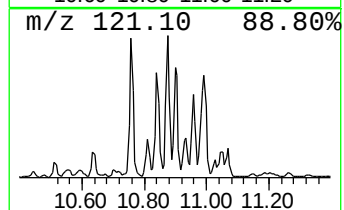
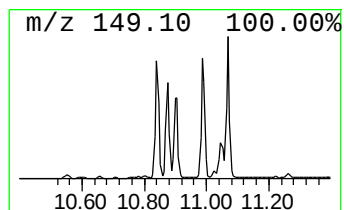
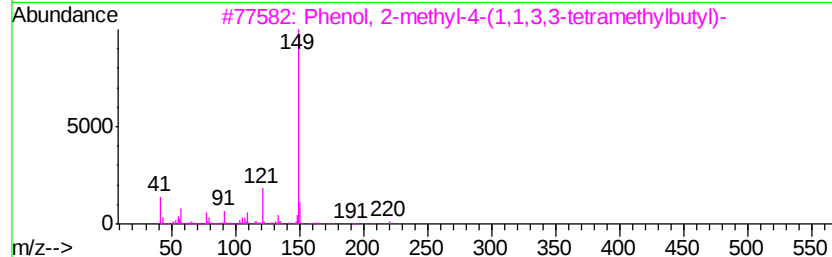
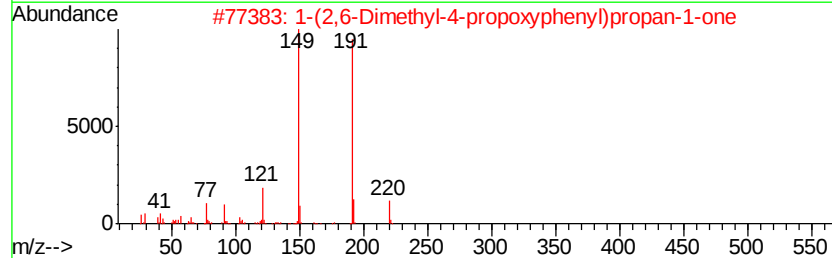
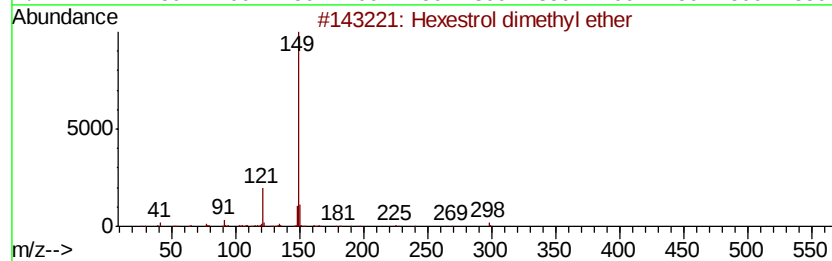
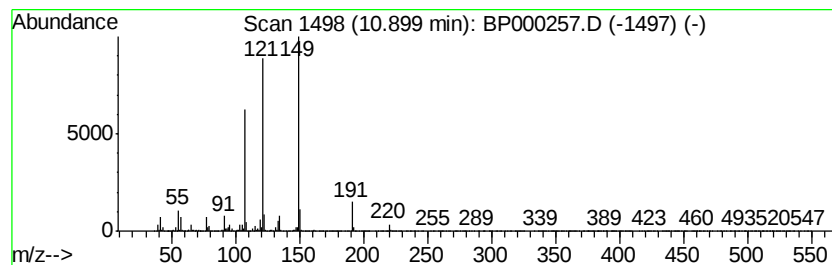
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Hexestrol dimethyl ether Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.90 | 4.85 ng | 692048 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexestrol dimethyl ether            | 298 | C20H26O2  | 000130-78-9  | 64   |
| 2    |    | 1-(2,6-Dimethyl-4-propoxyphenyl)... | 220 | C14H20O2  | 1000190-22-3 | 35   |
| 3    |    | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O   | 002219-84-3  | 35   |
| 4    |    | Isoxazole, 4,5-dihydro-5-[(4-met... | 191 | C11H13NO2 | 1000362-14-0 | 30   |
| 5    |    | Phenol, 4-(1-methylpropyl)-         | 150 | C10H14O   | 000099-71-8  | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

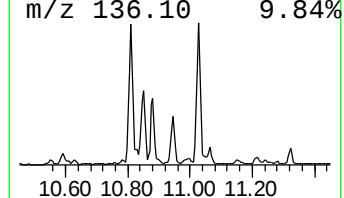
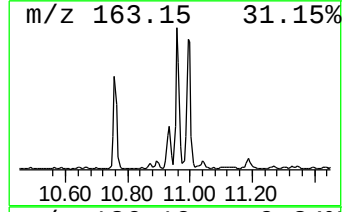
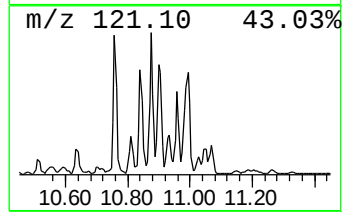
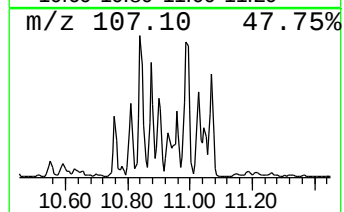
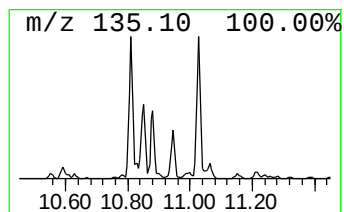
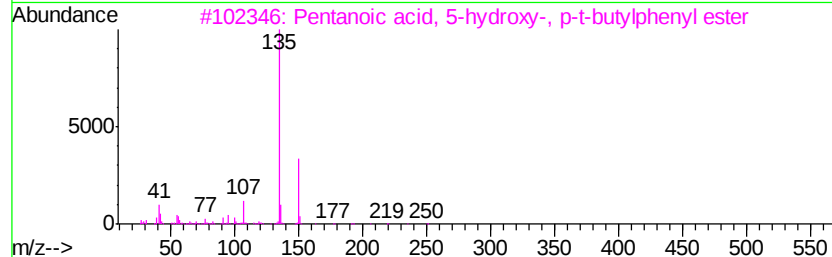
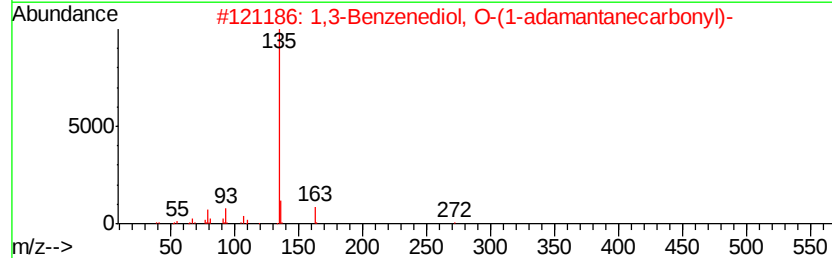
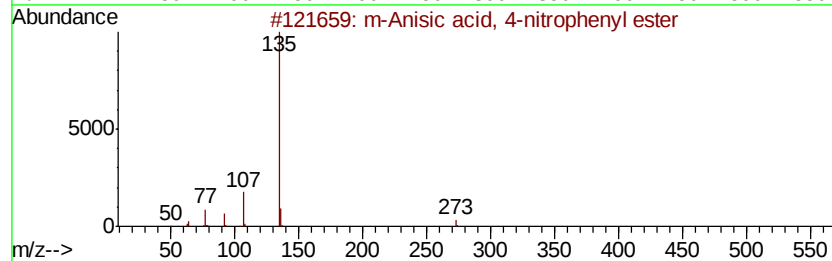
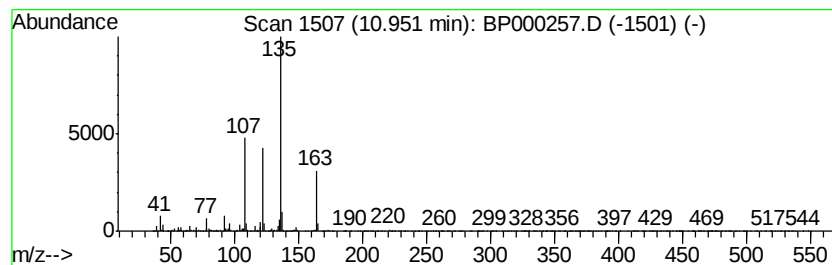
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 m-Anisic acid, 4-nitropheny... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.95     | 5.46 ng                             | 779919 | Phenanthrene-d10 | 11.32        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | m-Anisic acid, 4-nitrophenyl ester  | 273    | C14H11NO5        | 1000307-80-4 | 72   |
| 2         | 1,3-Benzenediol, O-(1-adamantane... | 272    | C17H20O3         | 1000345-57-3 | 64   |
| 3         | Pentanoic acid, 5-hydroxy-, p-t-... | 250    | C15H22O3         | 166273-37-6  | 64   |
| 4         | 4-tert-Butylphenyl acetate          | 192    | C12H16O2         | 003056-64-2  | 64   |
| 5         | 1,2-Benzenediol, o-(4-methoxyben... | 362    | C22H18O5         | 1000325-99-0 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

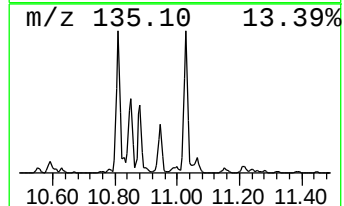
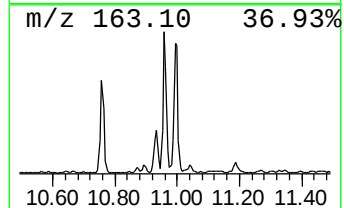
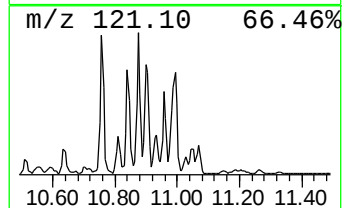
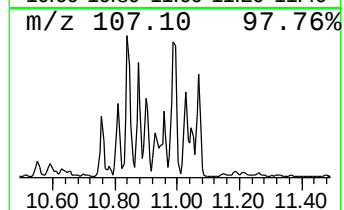
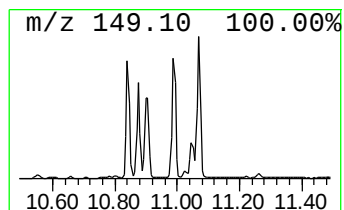
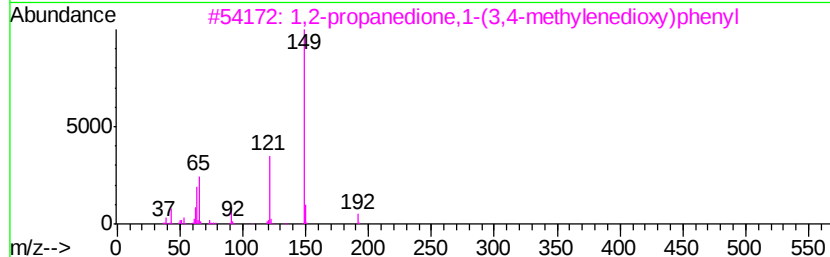
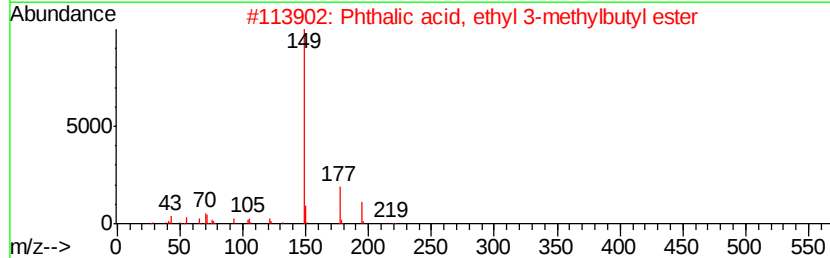
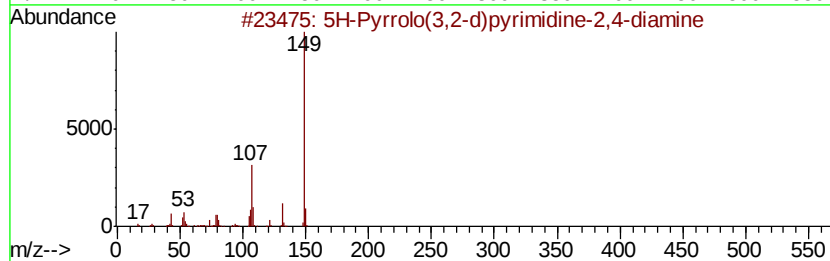
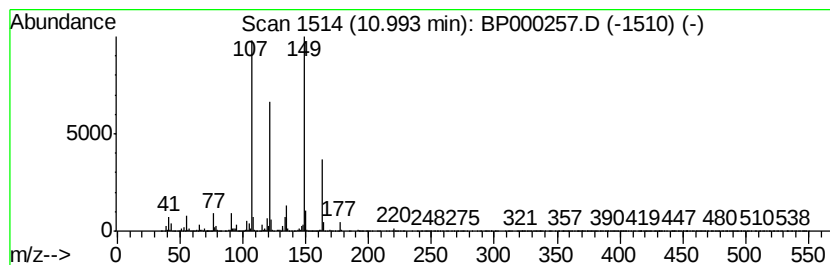
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown10.99 Concentration Rank 5

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 10.99 | 9.69 ng | 1383470 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | 5H-Pyrrolo(3,2-d)pyrimidine-2,4-... | 149 | C6H7N5   | 1000244-21-4 | 38   |
| 2       |   | Phthalic acid, ethyl 3-methylbut... | 264 | C15H20O4 | 1000356-80-1 | 35   |
| 3       |   | 1,2-propanedione,1-(3,4-methylen... | 192 | C10H8O4  | 1000378-93-0 | 35   |
| 4       |   | Phthalic acid, 2,7-dimethyloct-7... | 370 | C23H30O4 | 1000315-49-1 | 35   |
| 5       |   | Hexestrol dimethyl ether            | 298 | C20H26O2 | 000130-78-9  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

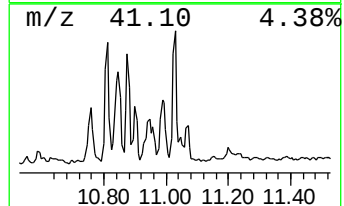
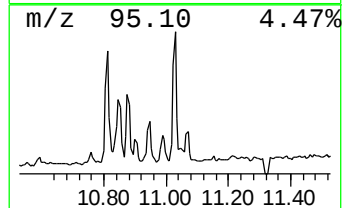
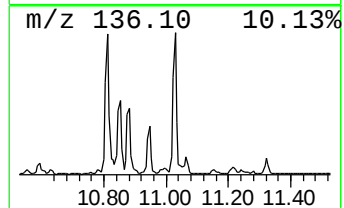
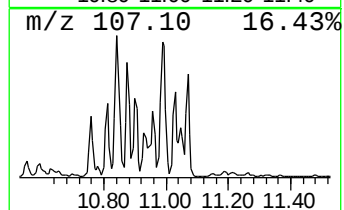
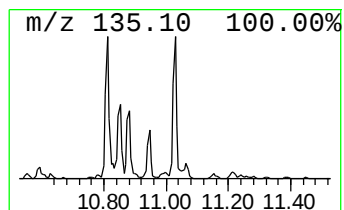
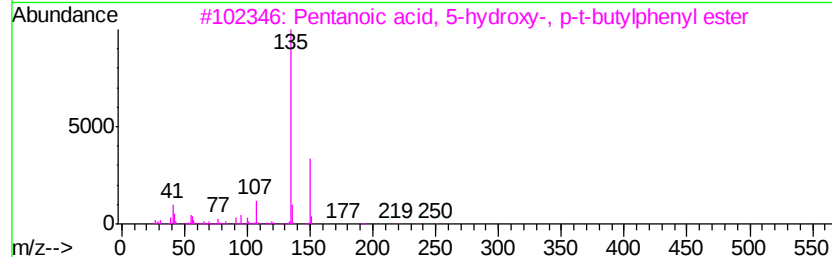
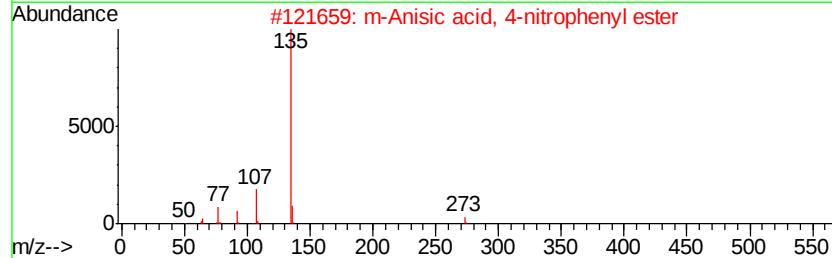
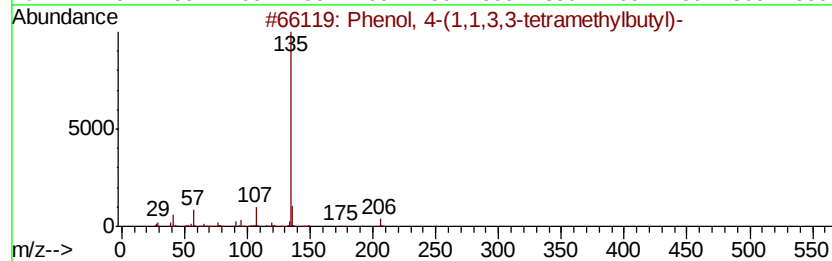
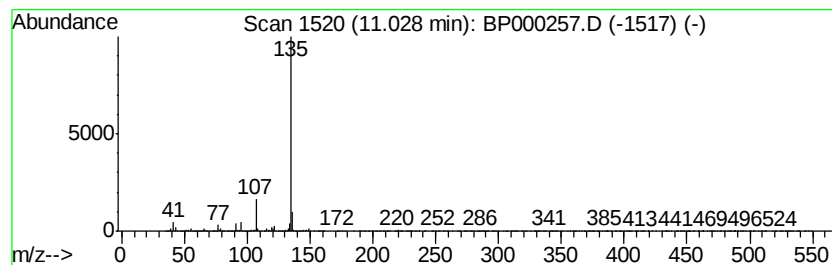
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.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, 4-(1,1,3,3-tetramet... Concentration Rank 6

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 11.03     | 9.52 ng                             | 1359250 | Phenanthrene-d10 | 11.32        |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Phenol, 4-(1,1,3,3-tetramethylbu... | 206     | C14H22O          | 000140-66-9  | 78   |
| 2         | m-Anisic acid, 4-nitrophenyl ester  | 273     | C14H11NO5        | 1000307-80-4 | 64   |
| 3         | Pentanoic acid, 5-hydroxy-, p-t-... | 250     | C15H22O3         | 166273-37-6  | 64   |
| 4         | Phenol, 4-(1,1-dimethylpropyl)-     | 164     | C11H16O          | 000080-46-6  | 64   |
| 5         | 1,2-Benzenediol, o-(4-methoxyben... | 362     | C22H18O5         | 1000325-99-0 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

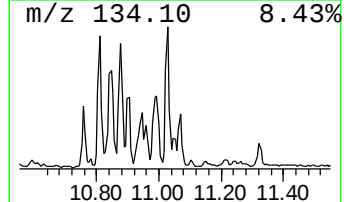
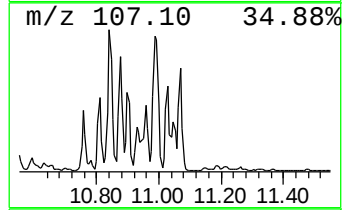
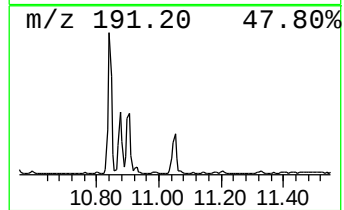
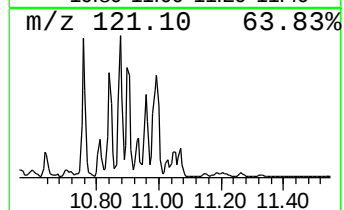
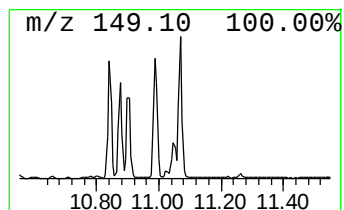
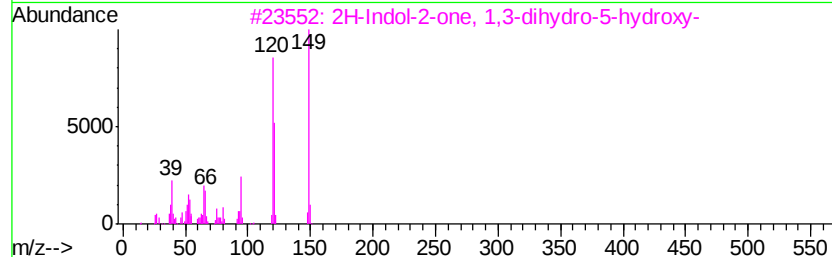
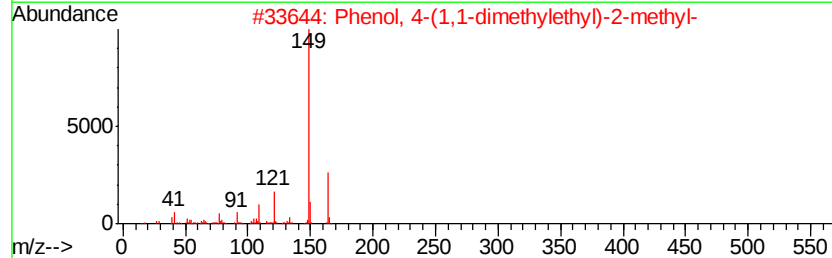
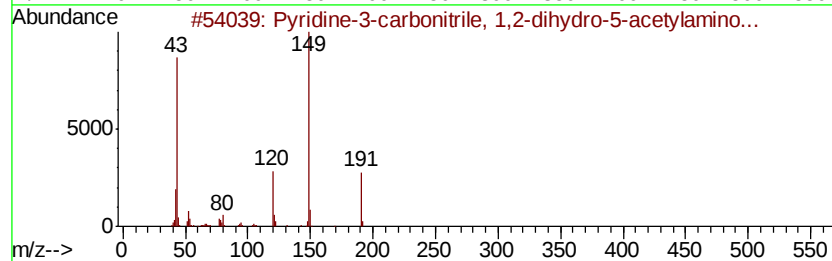
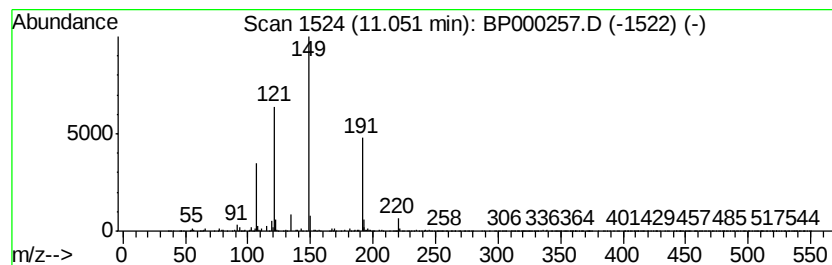
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Pyridine-3-carbonitrile, 1,... Concentration Rank 14

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.     |              |      |
|---------|---------|-------------------------------------|------------------|----------|--------------|------|
| 11.05   | 2.52 ng | 360094                              | Phenanthrene-d10 | 11.32    |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm  | CAS#         | Qual |
| 1       |         | Pyridine-3-carbonitrile, 1,2-dih... | 191              | C9H9N3O2 | 220098-92-0  | 52   |
| 2       |         | Phenol, 4-(1,1-dimethylethyl)-2-... | 164              | C11H16O  | 000098-27-1  | 47   |
| 3       |         | 2H-Indol-2-one, 1,3-dihydro-5-hv... | 149              | C8H7NO2  | 003416-18-0  | 47   |
| 4       |         | Phthalic acid, 2-methylallyl pen... | 290              | C17H22O4 | 1000315-82-4 | 43   |
| 5       |         | 1,2-Benzenedicarboxylic acid, bi... | 250              | C14H18O4 | 000605-45-8  | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

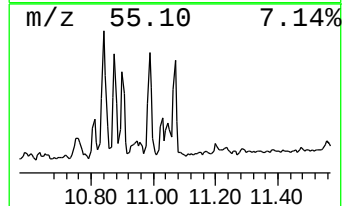
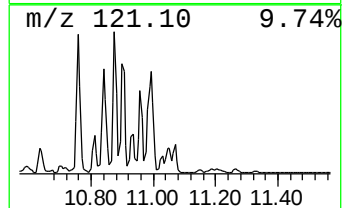
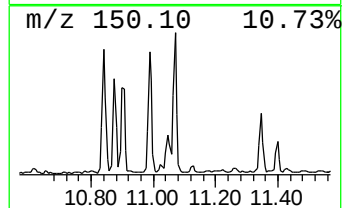
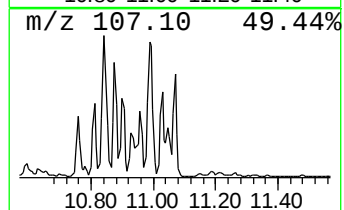
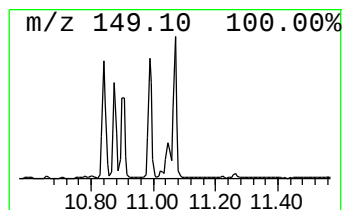
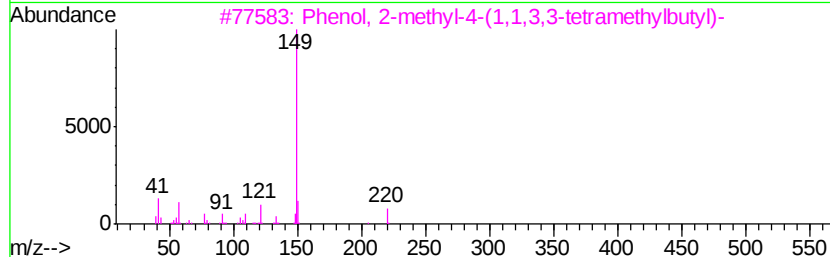
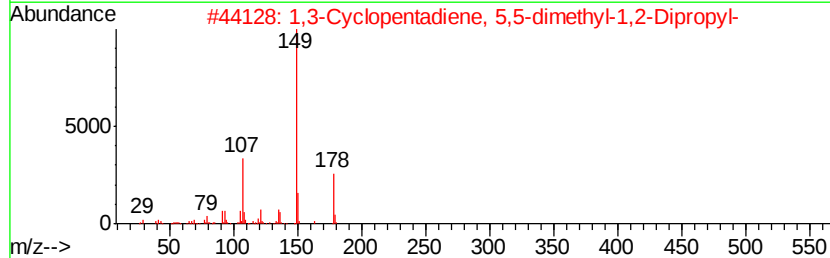
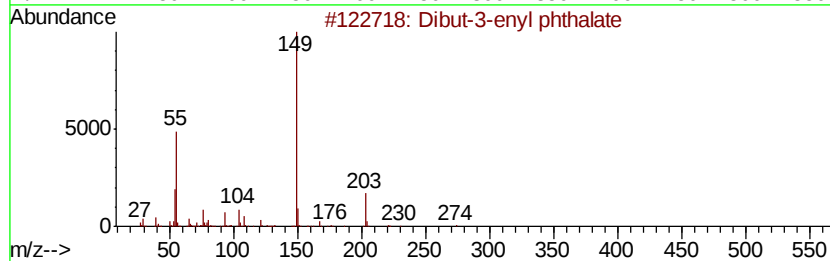
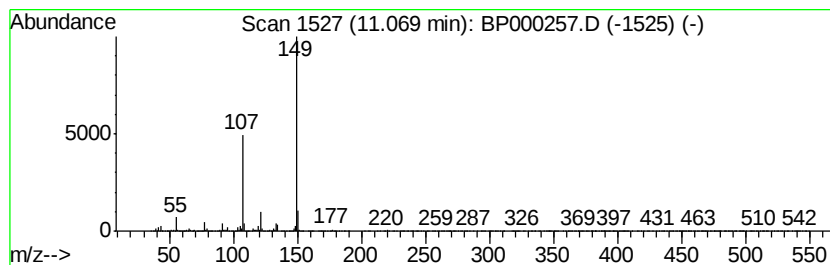
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown11.07 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.07 | 5.02 ng | 716634 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dibut-3-enyl phthalate              | 274 | C16H18O4 | 1000373-49-6 | 47   |
| 2    |    |   | 1,3-Cyclopentadiene, 5,5-dimethy... | 178 | C13H22   | 1000163-88-0 | 45   |
| 3    |    |   | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O  | 002219-84-3  | 40   |
| 4    |    |   | Phenol, 4-(1,1-dimethylethyl)-2-... | 164 | C11H16O  | 000098-27-1  | 40   |
| 5    |    |   | Phthalic acid, butyl 2-propylphe... | 340 | C21H24O4 | 1000357-01-9 | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

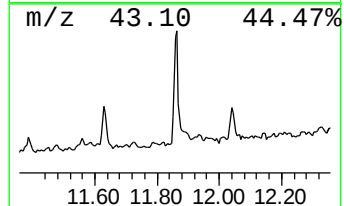
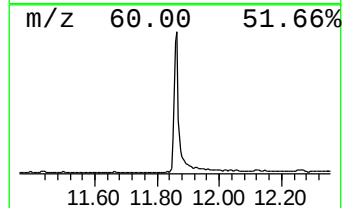
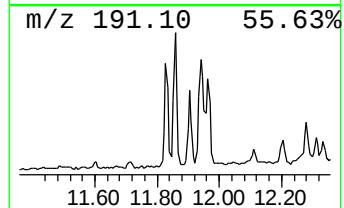
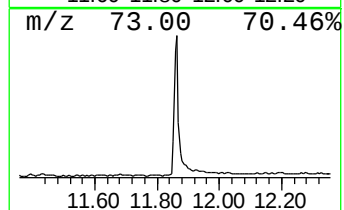
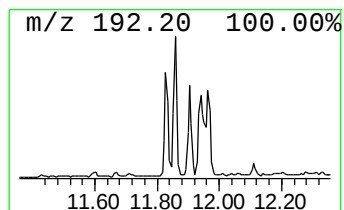
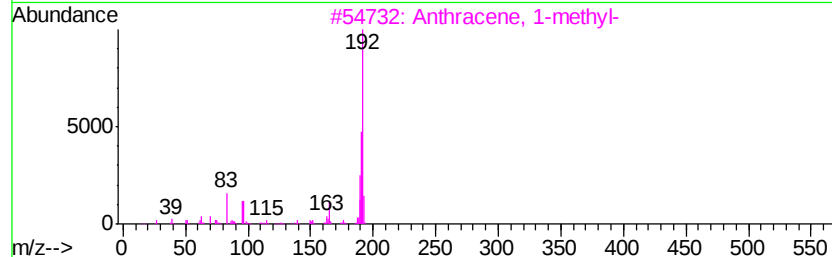
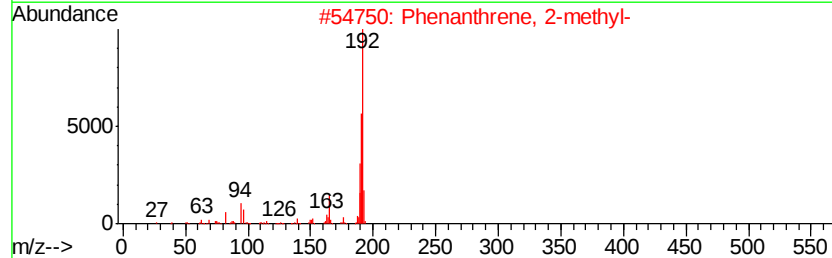
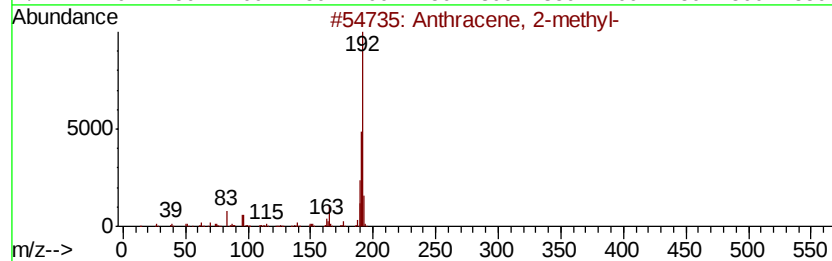
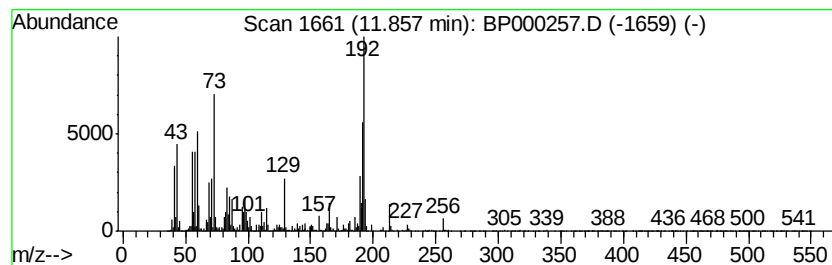
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Anthracene, 2-methyl- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.86 | 3.02 ng | 430901 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-                   | 192 | C15H12  | 000613-12-7 | 95   |
| 2    |    |   | Phenanthrene, 2-methyl-                 | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    |   | Anthracene, 1-methyl-                   | 192 | C15H12  | 000610-48-0 | 95   |
| 4    |    |   | 1H-Cyclopropa[1,1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 92   |
| 5    |    |   | Phenanthrene, 1-methyl-                 | 192 | C15H12  | 000832-69-9 | 92   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
Data File : BP000257.D  
Acq On : 16 Sep 2019 23:37  
Operator : HP/JU  
Sample : K4873-04 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

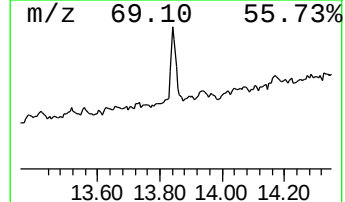
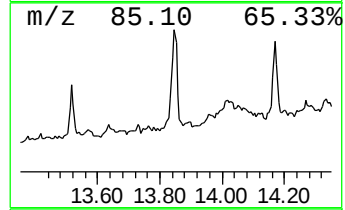
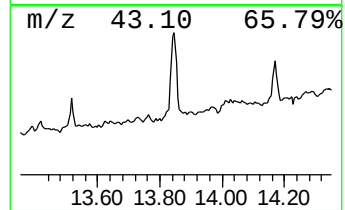
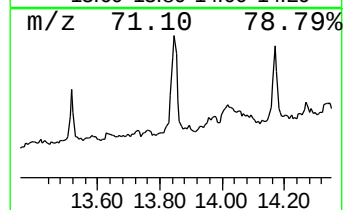
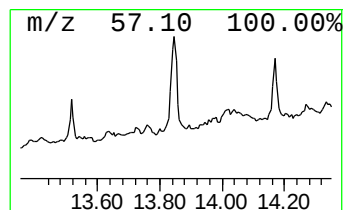
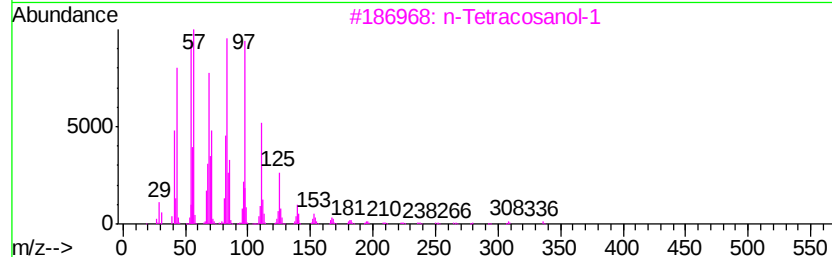
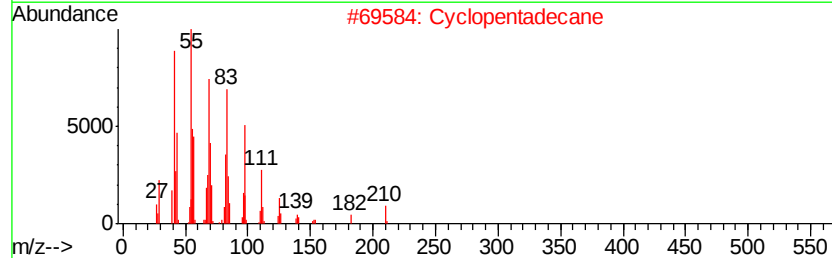
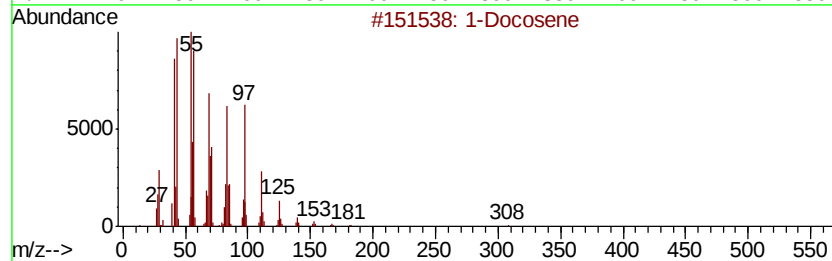
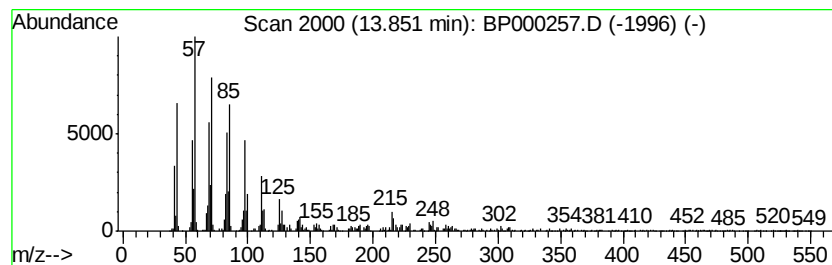
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.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 14 1-Docosene Concentration Rank 12

| R.T.    | EstConc                         | Area         | Relative to ISTD | R.T.            |
|---------|---------------------------------|--------------|------------------|-----------------|
| 13.85   | 3.27 ng                         | 565495       | Chrysene-d12     | 13.99           |
| Hit# of | 5                               | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Docosene                      |              | 308 C22H44       | 001599-67-3 94  |
| 2       | Cyclopentadecane                |              | 210 C15H30       | 000295-48-7 93  |
| 3       | n-Tetracosanol-1                |              | 354 C24H50O      | 000506-51-4 91  |
| 4       | Nonadecyl pentafluoropropionate |              | 430 C22H39F5O2   | 1000351-88-8 91 |
| 5       | 17-Pentatriacontene             |              | 491 C35H70       | 006971-40-0 91  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP091619\  
 Data File : BP000257.D  
 Acq On : 16 Sep 2019 23:37  
 Operator : HP/JU  
 Sample : K4873-04 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-29

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091619.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 |
| unknown6.56          | 6.56  | 34.3    | ng    | 3244140  | 1                     | 6.79  | 1889640 | 20.0 |
| unknown10.76         | 10.76 | 4.8     | ng    | 683459   | 4                     | 11.32 | 2854570 | 20.0 |
| ((1,2-Diethylethy... | 10.85 | 12.4    | ng    | 1772220  | 4                     | 11.32 | 2854570 | 20.0 |
| Phenol, p-tert-bu... | 10.88 | 10.2    | ng    | 1451580  | 4                     | 11.32 | 2854570 | 20.0 |
| Hexestrol dimethy... | 10.90 | 4.8     | ng    | 692048   | 4                     | 11.32 | 2854570 | 20.0 |
| m-Anisic acid, 4-... | 10.95 | 5.5     | ng    | 779919   | 4                     | 11.32 | 2854570 | 20.0 |
| unknown10.99         | 10.99 | 9.7     | ng    | 1383470  | 4                     | 11.32 | 2854570 | 20.0 |
| Phenol, 4-(1,1,3,... | 11.03 | 9.5     | ng    | 1359250  | 4                     | 11.32 | 2854570 | 20.0 |
| Pyridine-3-carbon... | 11.05 | 2.5     | ng    | 360094   | 4                     | 11.32 | 2854570 | 20.0 |
| unknown11.07         | 11.07 | 5.0     | ng    | 716634   | 4                     | 11.32 | 2854570 | 20.0 |
| Anthracene, 2-met... | 11.86 | 3.0     | ng    | 430901   | 4                     | 11.32 | 2854570 | 20.0 |
| 1-Docosene           | 13.85 | 3.3     | ng    | 565495   | 5                     | 13.99 | 3458170 | 20.0 |