

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111218\  
 Data File : BF110694.D  
 Acq On : 13 Nov 2018 00:16  
 Operator : JU/SJ  
 Sample : J5906-01 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 06-TANK-SOIL

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-BF110818.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         | 2.216       | 18            | 22          | 30           | rVB      | 26961          | 41183         | 4.17%           | 0.280%        |
| 2         | 5.557       | 587           | 590         | 611          | rBV      | 386141         | 446107        | 45.18%          | 3.034%        |
| 3         | 6.469       | 740           | 745         | 749          | rBV3     | 21189          | 21985         | 2.23%           | 0.150%        |
| 4         | 6.563       | 758           | 761         | 768          | rBV      | 473437         | 503413        | 50.98%          | 3.424%        |
| 5         | 6.710       | 783           | 786         | 793          | rVB      | 608538         | 506202        | 51.26%          | 3.443%        |
| 6         | 6.945       | 822           | 826         | 833          | rBV      | 555268         | 530145        | 53.69%          | 3.606%        |
| 7         | 7.098       | 849           | 852         | 860          | rVB      | 442189         | 392954        | 39.80%          | 2.672%        |
| 8         | 7.204       | 865           | 870         | 874          | rBV2     | 52266          | 47586         | 4.82%           | 0.324%        |
| 9         | 7.357       | 893           | 896         | 901          | rVB4     | 17946          | 23382         | 2.37%           | 0.159%        |
| 10        | 7.463       | 907           | 914         | 918          | rBV4     | 27815          | 50368         | 5.10%           | 0.343%        |
| 11        | 7.504       | 918           | 921         | 928          | rVV      | 274171         | 314827        | 31.88%          | 2.141%        |
| 12        | 7.575       | 931           | 933         | 936          | rVB3     | 27496          | 28728         | 2.91%           | 0.195%        |
| 13        | 7.657       | 945           | 947         | 953          | rBV5     | 11576          | 21956         | 2.22%           | 0.149%        |
| 14        | 7.745       | 960           | 962         | 967          | rVB2     | 21843          | 21946         | 2.22%           | 0.149%        |
| 15        | 7.798       | 967           | 971         | 975          | rBV3     | 52155          | 65092         | 6.59%           | 0.443%        |
| 16        | 7.857       | 979           | 981         | 988          | rVB4     | 45870          | 47445         | 4.80%           | 0.323%        |
| 17        | 7.975       | 997           | 1001        | 1004         | rBV3     | 18680          | 24934         | 2.53%           | 0.170%        |
| 18        | 8.034       | 1007          | 1011        | 1014         | rBV5     | 22735          | 31268         | 3.17%           | 0.213%        |
| 19        | 8.086       | 1017          | 1020        | 1022         | rBV3     | 28027          | 28600         | 2.90%           | 0.195%        |
| 20        | 8.128       | 1023          | 1027        | 1031         | rBV6     | 12602          | 27352         | 2.77%           | 0.186%        |
| 21        | 8.228       | 1040          | 1044        | 1049         | rBV      | 726629         | 664486        | 67.29%          | 4.519%        |
| 22        | 8.263       | 1049          | 1050        | 1053         | rVB      | 91087          | 66801         | 6.77%           | 0.454%        |
| 23        | 8.298       | 1053          | 1056        | 1062         | rBV5     | 43570          | 56888         | 5.76%           | 0.387%        |
| 24        | 8.392       | 1069          | 1072        | 1074         | rBV2     | 38488          | 30515         | 3.09%           | 0.208%        |
| 25        | 8.416       | 1074          | 1076        | 1079         | rBV      | 110940         | 90678         | 9.18%           | 0.617%        |
| 26        | 8.498       | 1087          | 1090        | 1096         | rVB5     | 66868          | 87989         | 8.91%           | 0.598%        |
| 27        | 8.628       | 1110          | 1112        | 1114         | rVB      | 92952          | 67021         | 6.79%           | 0.456%        |
| 28        | 8.657       | 1114          | 1117        | 1120         | rBV2     | 86397          | 95064         | 9.63%           | 0.647%        |
| 29        | 8.722       | 1125          | 1128        | 1130         | rBV      | 102250         | 79846         | 8.09%           | 0.543%        |
| 30        | 8.751       | 1130          | 1133        | 1136         | rBV2     | 129295         | 119970        | 12.15%          | 0.816%        |
| 31        | 8.781       | 1136          | 1138        | 1140         | rBV2     | 28315          | 24793         | 2.51%           | 0.169%        |
| 32        | 8.839       | 1145          | 1148        | 1151         | rVV5     | 40663          | 63063         | 6.39%           | 0.429%        |
| 33        | 8.892       | 1154          | 1157        | 1163         | rVB4     | 58911          | 86197         | 8.73%           | 0.586%        |
| 34        | 8.945       | 1163          | 1166        | 1167         | rBV2     | 29777          | 28262         | 2.86%           | 0.192%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 06-TANK-SOIL

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-BF110818.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |        |         |        |
|----|--------|------|------|------|------|---------|--------|---------|--------|
| 35 | 8.963  | 1167 | 1169 | 1172 | rVV3 | 62645   | 64640  | 6.55%   | 0.440% |
| 36 | 8.992  | 1172 | 1174 | 1176 | rVV2 | 50835   | 51823  | 5.25%   | 0.352% |
| 37 | 9.039  | 1180 | 1182 | 1184 | rVV3 | 34174   | 34325  | 3.48%   | 0.233% |
| 38 | 9.092  | 1188 | 1191 | 1194 | rBV4 | 48364   | 68144  | 6.90%   | 0.463% |
| 39 | 9.122  | 1194 | 1196 | 1199 | rVB2 | 37348   | 33602  | 3.40%   | 0.229% |
| 40 | 9.210  | 1209 | 1211 | 1212 | rBV2 | 63118   | 52632  | 5.33%   | 0.358% |
| 41 | 9.228  | 1212 | 1214 | 1216 | rVB  | 137747  | 96603  | 9.78%   | 0.657% |
| 42 | 9.298  | 1222 | 1226 | 1232 | rBV  | 675019  | 599542 | 60.72%  | 4.077% |
| 43 | 9.375  | 1236 | 1239 | 1242 | rVB2 | 158171  | 140287 | 14.21%  | 0.954% |
| 44 | 9.569  | 1270 | 1272 | 1276 | rBV4 | 38813   | 48916  | 4.95%   | 0.333% |
| 45 | 9.686  | 1288 | 1292 | 1295 | rBV3 | 229545  | 227198 | 23.01%  | 1.545% |
| 46 | 9.839  | 1316 | 1318 | 1321 | rBV2 | 174355  | 152339 | 15.43%  | 1.036% |
| 47 | 9.886  | 1324 | 1326 | 1328 | rVB2 | 81972   | 62906  | 6.37%   | 0.428% |
| 48 | 9.963  | 1336 | 1339 | 1340 | rBV2 | 97536   | 95455  | 9.67%   | 0.649% |
| 49 | 9.986  | 1340 | 1343 | 1346 | rVV  | 745274  | 636456 | 64.46%  | 4.329% |
| 50 | 10.016 | 1346 | 1348 | 1351 | rVB  | 178477  | 171415 | 17.36%  | 1.166% |
| 51 | 10.180 | 1373 | 1376 | 1378 | rBV2 | 61243   | 63031  | 6.38%   | 0.429% |
| 52 | 10.298 | 1394 | 1396 | 1398 | rBV2 | 70347   | 57605  | 5.83%   | 0.392% |
| 53 | 10.386 | 1409 | 1411 | 1414 | rVB2 | 129497  | 107845 | 10.92%  | 0.733% |
| 54 | 10.527 | 1430 | 1435 | 1436 | rBV4 | 86118   | 146923 | 14.88%  | 0.999% |
| 55 | 10.616 | 1445 | 1450 | 1452 | rBV2 | 229123  | 295383 | 29.91%  | 2.009% |
| 56 | 10.780 | 1474 | 1478 | 1480 | rBV2 | 261156  | 287170 | 29.08%  | 1.953% |
| 57 | 10.810 | 1480 | 1483 | 1486 | rVB  | 165164  | 151259 | 15.32%  | 1.029% |
| 58 | 10.880 | 1492 | 1495 | 1503 | rVB2 | 362853  | 427640 | 43.31%  | 2.908% |
| 59 | 11.086 | 1527 | 1530 | 1533 | rVB3 | 187440  | 202857 | 20.54%  | 1.380% |
| 60 | 11.116 | 1533 | 1535 | 1539 | rBV4 | 90602   | 101769 | 10.31%  | 0.692% |
| 61 | 11.345 | 1571 | 1574 | 1577 | rVB  | 385952  | 362772 | 36.74%  | 2.467% |
| 62 | 11.480 | 1594 | 1597 | 1599 | rBV  | 591784  | 494357 | 50.06%  | 3.362% |
| 63 | 11.504 | 1599 | 1601 | 1606 | rVB  | 374824  | 329086 | 33.33%  | 2.238% |
| 64 | 11.557 | 1607 | 1610 | 1614 | rBV  | 246350  | 308980 | 31.29%  | 2.101% |
| 65 | 11.698 | 1632 | 1634 | 1638 | rBV3 | 121712  | 131829 | 13.35%  | 0.897% |
| 66 | 11.810 | 1651 | 1653 | 1656 | rVB  | 160806  | 133001 | 13.47%  | 0.905% |
| 67 | 11.980 | 1680 | 1682 | 1685 | rBV2 | 159730  | 182308 | 18.46%  | 1.240% |
| 68 | 12.098 | 1699 | 1702 | 1704 | rBV2 | 271569  | 281262 | 28.48%  | 1.913% |
| 69 | 12.533 | 1774 | 1776 | 1778 | rBV  | 161543  | 127725 | 12.93%  | 0.869% |
| 70 | 12.704 | 1801 | 1805 | 1808 | rBV  | 1107666 | 958502 | 97.07%  | 6.519% |
| 71 | 12.933 | 1841 | 1844 | 1849 | rVB  | 1018649 | 987439 | 100.00% | 6.716% |

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Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

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-BF110818.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 13.063 | 1863 | 1866 | 1869 | rBV  | 432369 | 348993 | 35.34% | 2.374% |
| 73 | 14.133 | 2044 | 2048 | 2051 | rBV2 | 553015 | 680336 | 68.90% | 4.627% |
| 74 | 15.668 | 2306 | 2309 | 2312 | rVB  | 228255 | 262305 | 26.56% | 1.784% |

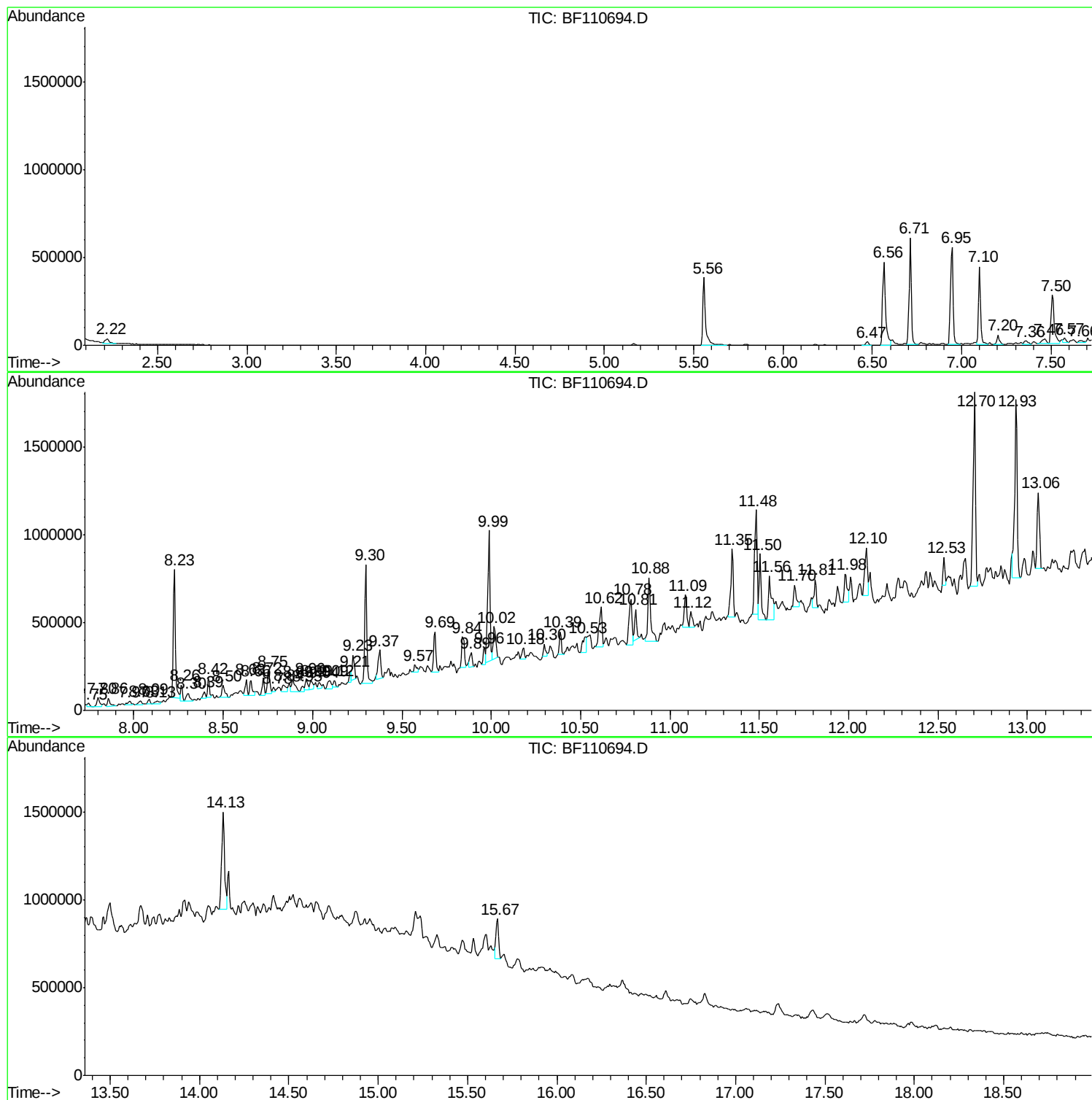
Sum of corrected areas: 14703706

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
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Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
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Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

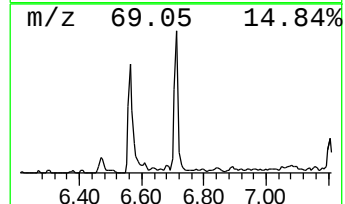
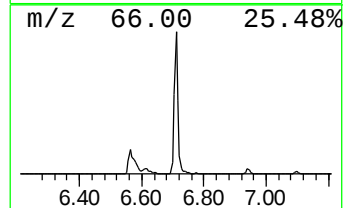
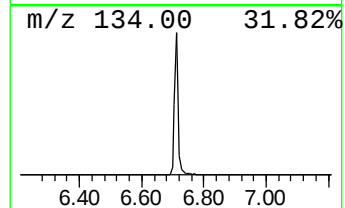
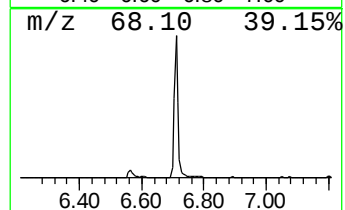
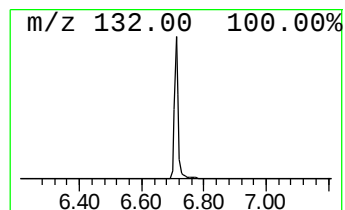
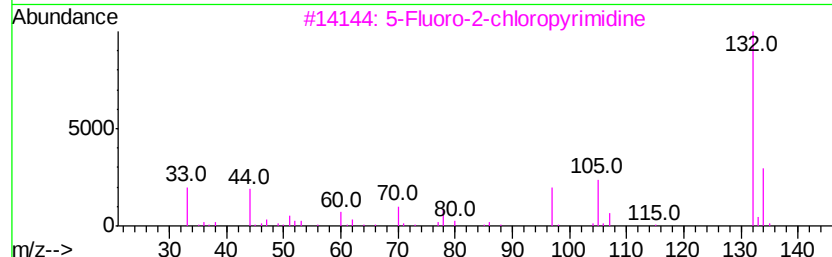
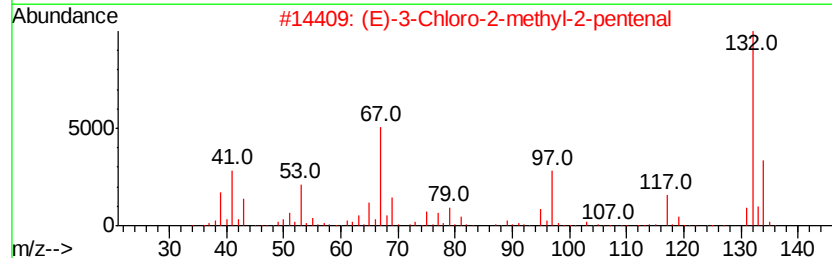
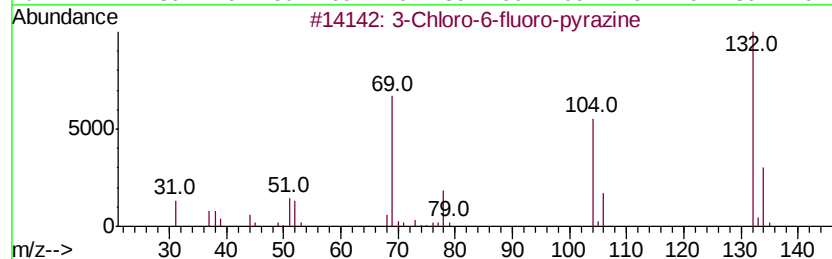
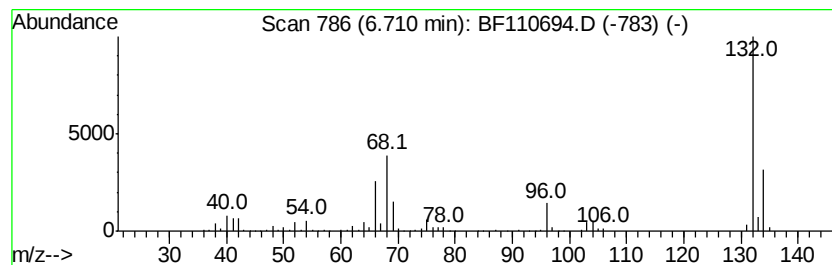
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 unknown6.71 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.71 | 19.10 ng | 506202 | 1,4-Dichlorobenzene-d4 | 6.95 |

| 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  | 17   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

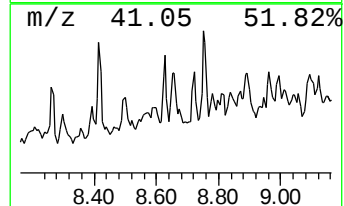
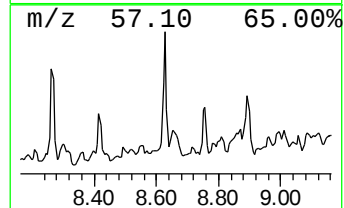
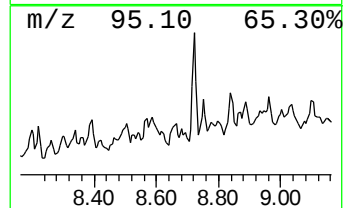
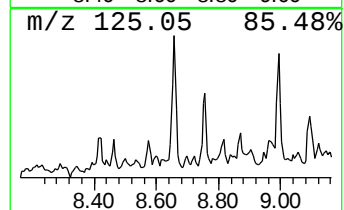
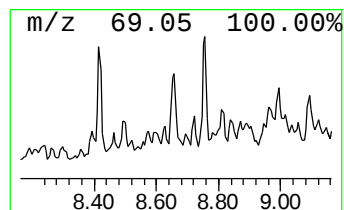
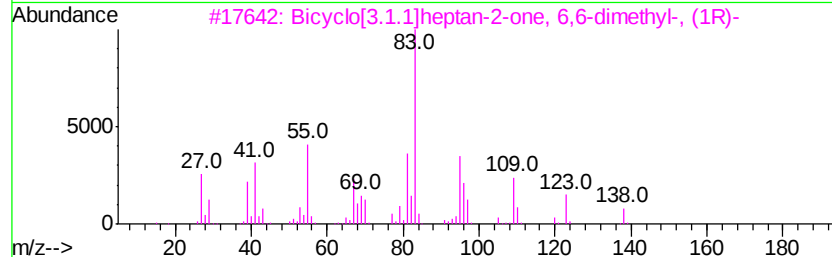
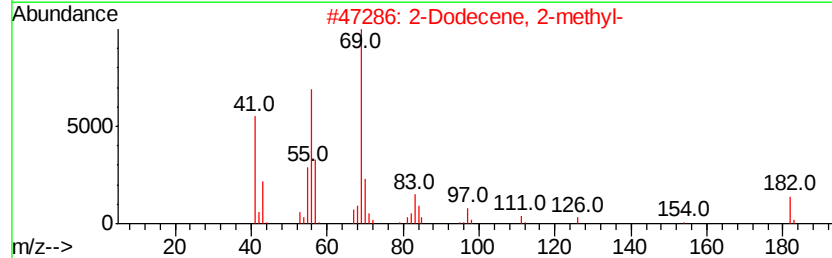
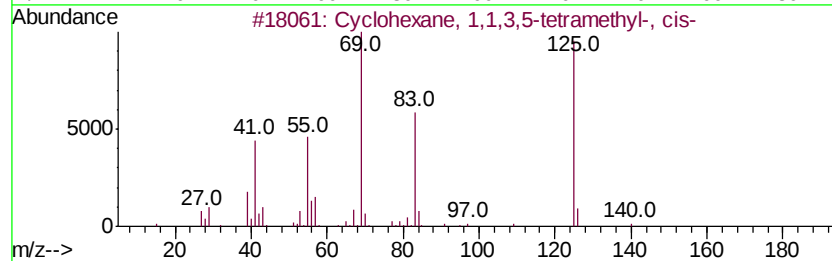
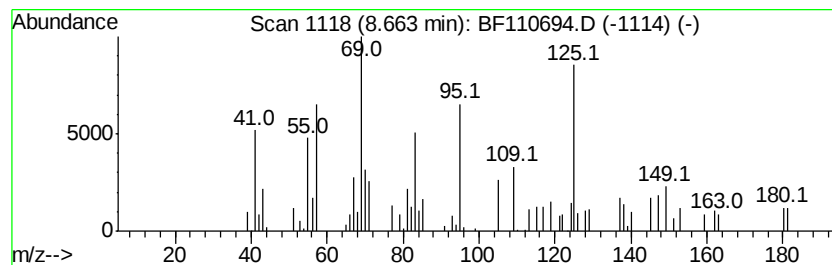
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 20

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.66 | 2.86 ng | 95064 | Naphthalene-d8   | 8.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20  | 050876-32-9 | 53   |
| 2    |    | 2-Dodecene, 2-methyl-               | 182 | C13H26  | 055103-82-7 | 45   |
| 3    |    | Bicyclo[3.1.1]heptan-2-one, 6,6-... | 138 | C9H14O  | 038651-65-9 | 35   |
| 4    |    | 4N-Methylcytosine                   | 125 | C5H7N3O | 006220-47-9 | 30   |
| 5    |    | 1-Pentene, 3,3-dimethyl-            | 98  | C7H14   | 003404-73-7 | 27   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

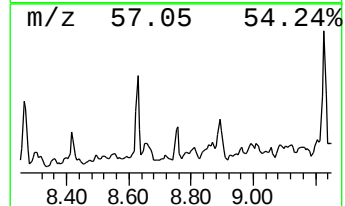
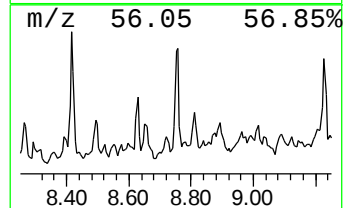
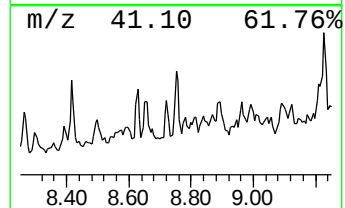
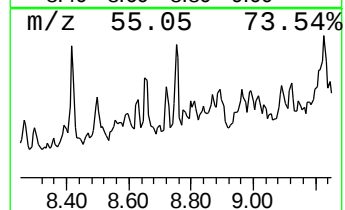
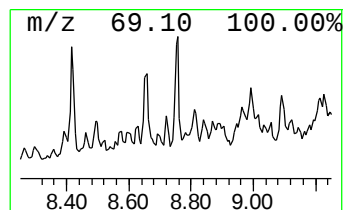
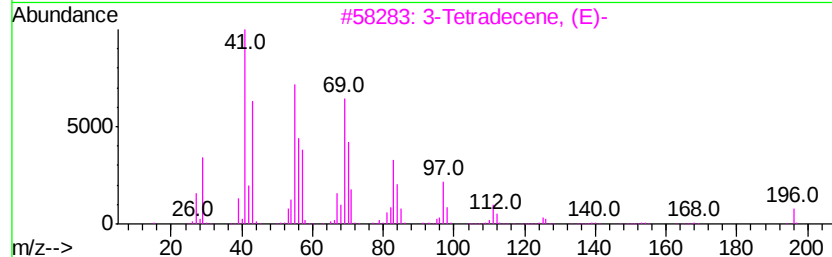
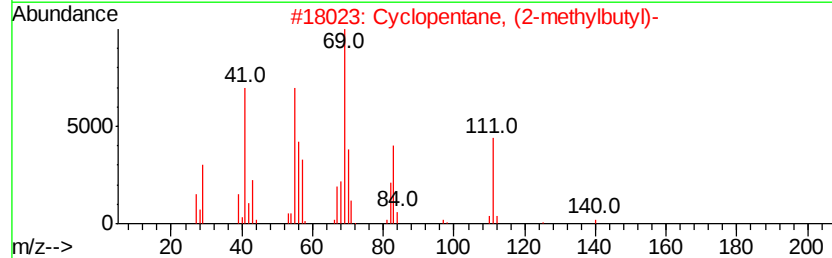
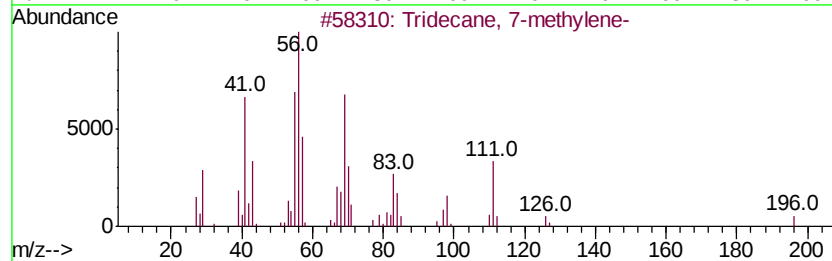
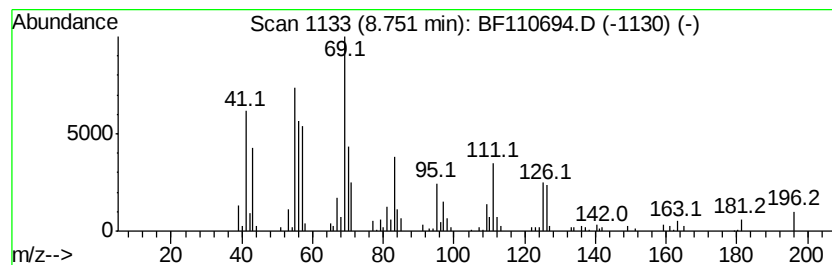
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tridecane, 7-methylene- Concentration Rank 17

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.75 | 3.61 ng | 119970 | Naphthalene-d8   | 8.23 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 7-methylene-        | 196 | C14H28  | 019780-80-4 | 64   |
| 2    |    |   | Cyclopentane, (2-methylbutyl)- | 140 | C10H20  | 053366-38-4 | 58   |
| 3    |    |   | 3-Tetradecene, (E)-            | 196 | C14H28  | 041446-68-8 | 58   |
| 4    |    |   | 2-Methyl-2-octene              | 126 | C9H18   | 016993-86-5 | 43   |
| 5    |    |   | 2-Tetradecene, (E)-            | 196 | C14H28  | 035953-54-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

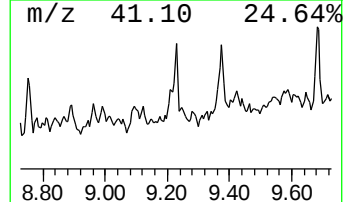
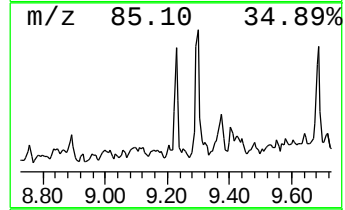
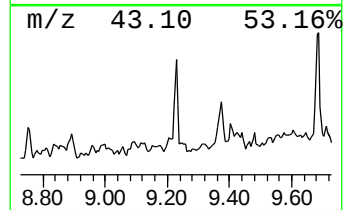
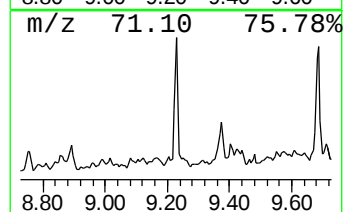
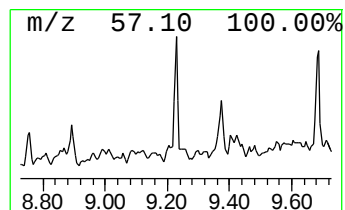
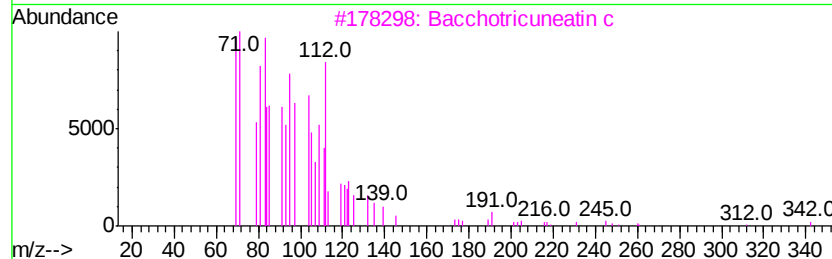
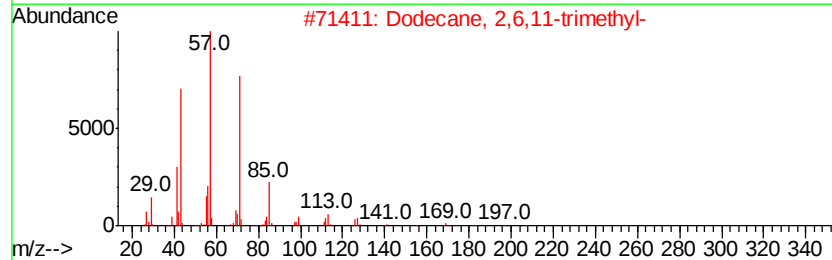
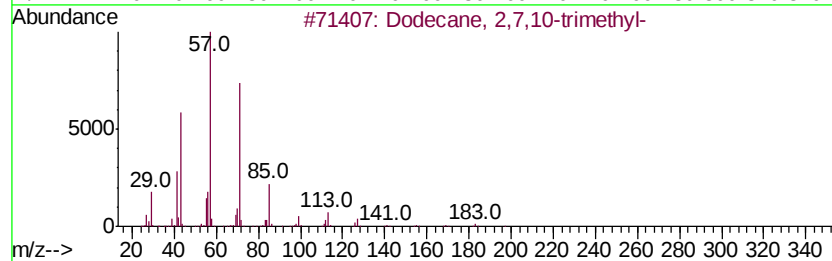
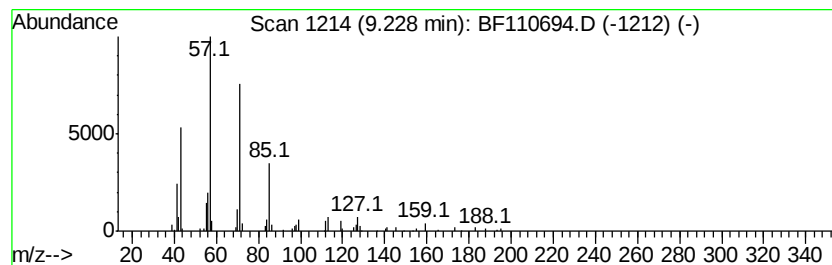
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 19

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.23 | 3.04 ng | 96603 | Acenaphthene-d10 | 9.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32   | 074645-98-0  | 86   |
| 2    |    | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32   | 031295-56-4  | 86   |
| 3    |    | Bacchotricuneatin c                 | 342 | C20H22O5 | 066563-30-2  | 72   |
| 4    |    | Octane, 3-ethyl-2,7-dimethyl-       | 170 | C12H26   | 062183-55-5  | 64   |
| 5    |    | Oxalic acid, bis(2-ethylhexyl) e... | 314 | C18H34O4 | 1000309-39-0 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

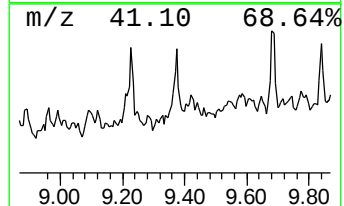
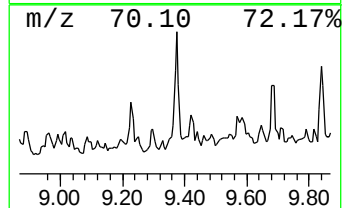
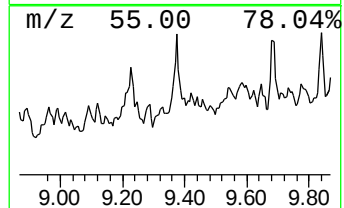
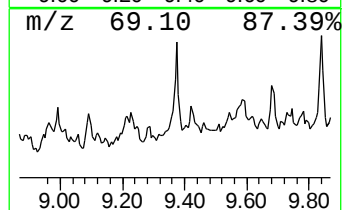
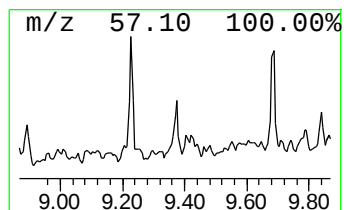
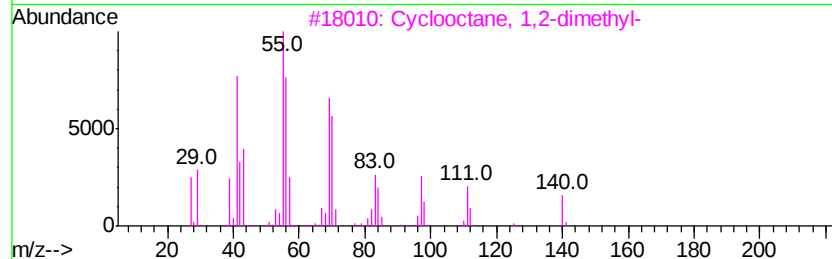
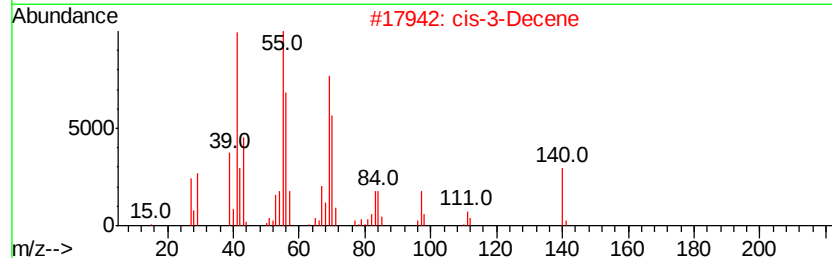
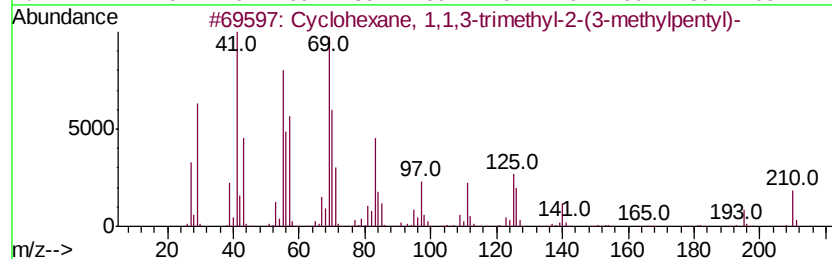
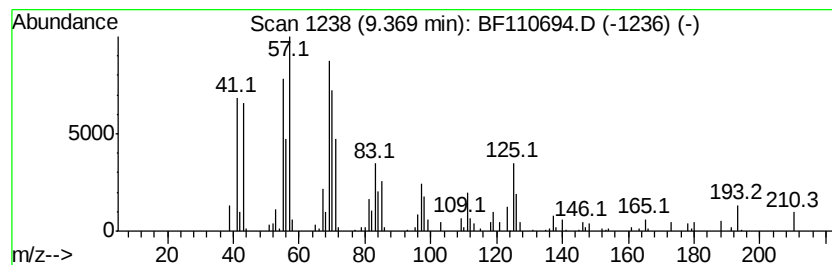
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexane, 1,1,3-trimethy... Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.37 | 4.41 ng | 140287 | Acenaphthene-d10 | 9.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3-trimethyl-2-(... | 210 | C15H30  | 054965-05-8 | 81   |
| 2    |    | cis-3-Decene                        | 140 | C10H20  | 019398-86-8 | 46   |
| 3    |    | Cyclooctane, 1,2-dimethyl-          | 140 | C10H20  | 013151-94-5 | 43   |
| 4    |    | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5 | 41   |
| 5    |    | 1-Dodecanol, 2-methyl-, (S)-        | 200 | C13H28O | 057289-26-6 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

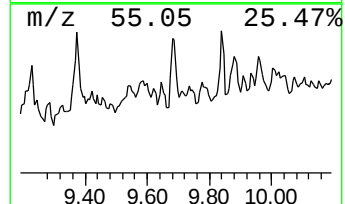
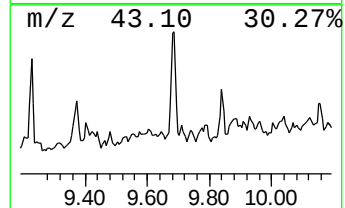
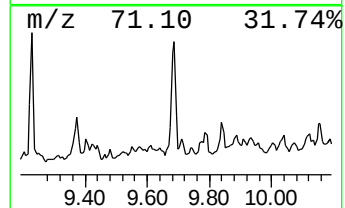
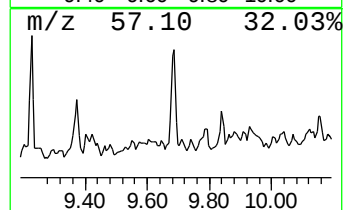
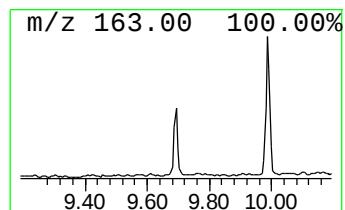
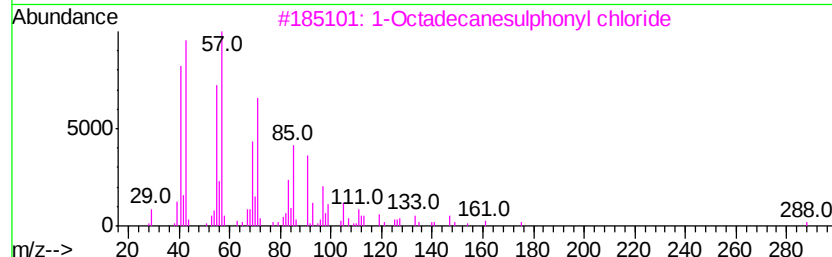
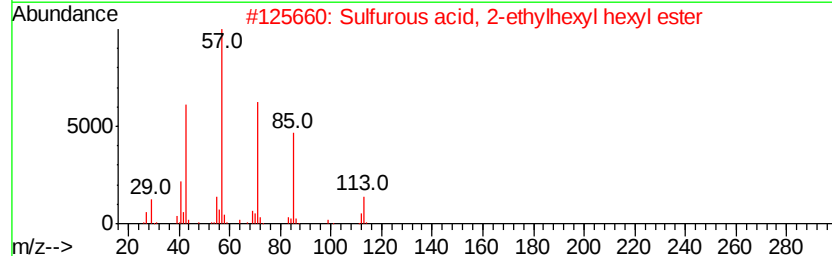
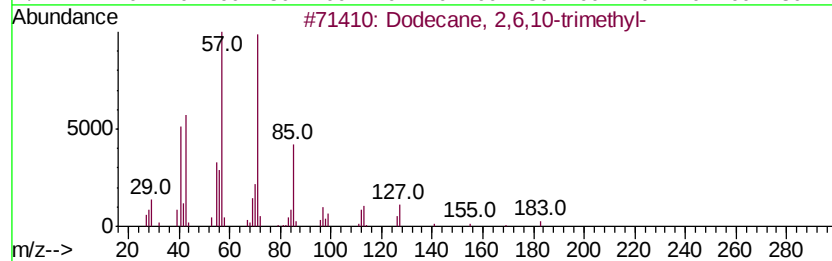
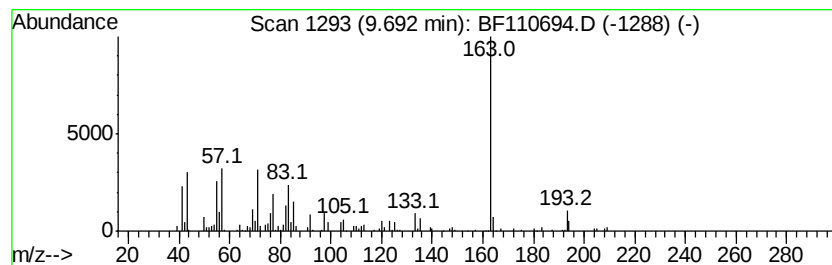
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown9.69 Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.69 | 7.14 ng | 227198 | Acenaphthene-d10 | 9.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32      | 003891-98-3  | 49   |
| 2    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S   | 1000309-20-2 | 43   |
| 3    |    | 1-Octadecanesulphonyl chloride      | 352 | C18H37ClO2S | 1000342-70-4 | 38   |
| 4    |    | Octane, 1,1'-oxybis-                | 242 | C16H34O     | 000629-82-3  | 38   |
| 5    |    | Heptane, 3-(bromomethyl)-           | 192 | C8H17Br     | 018908-66-2  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

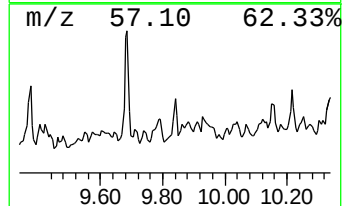
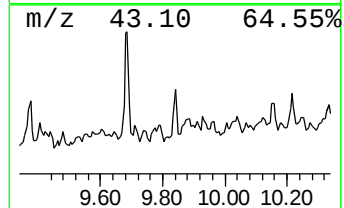
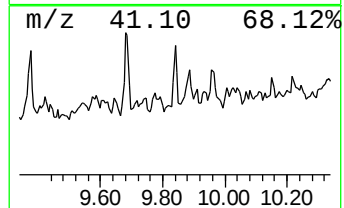
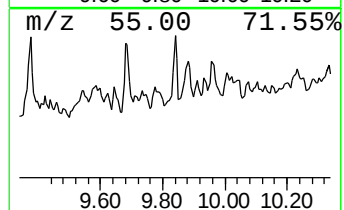
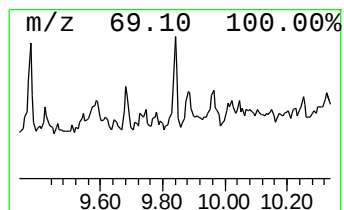
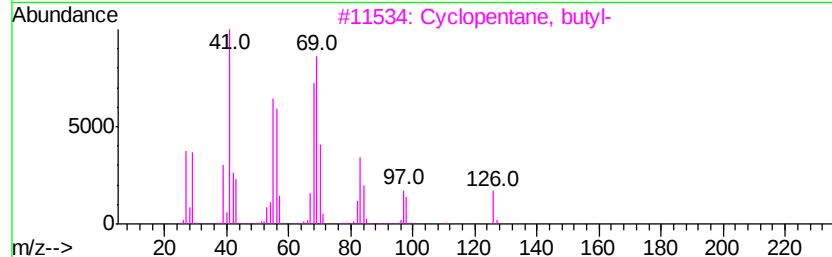
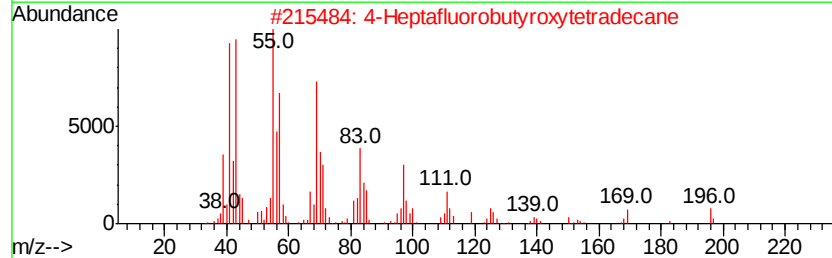
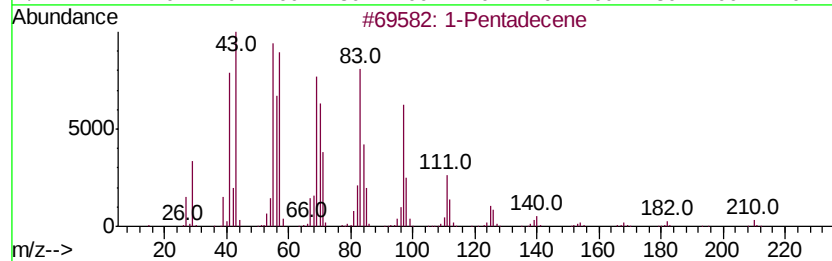
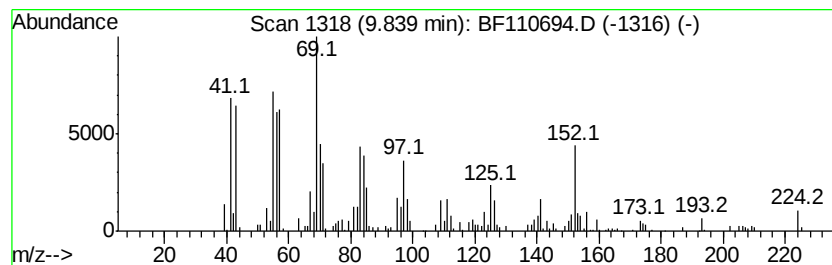
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Pentadecene Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.84 | 4.79 ng | 152339 | Acenaphthene-d10 | 9.99 |

| Hit# | of | Tentative ID                     | MW  | MolForm    | CAS#         | Qual |
|------|----|----------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Pentadecene                    | 210 | C15H30     | 013360-61-7  | 83   |
| 2    |    | 4-Heptafluorobutyroxytetradecane | 410 | C18H29F7O2 | 1000245-49-9 | 62   |
| 3    |    | Cyclopentane, butyl-             | 126 | C9H18      | 002040-95-1  | 55   |
| 4    |    | 4-Trifluoroacetoxytridecane      | 296 | C15H27F3O2 | 1000245-47-3 | 52   |
| 5    |    | 1-Nonene                         | 126 | C9H18      | 000124-11-8  | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

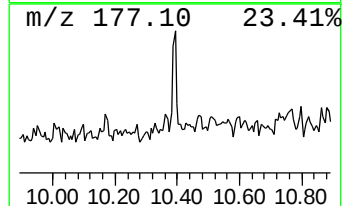
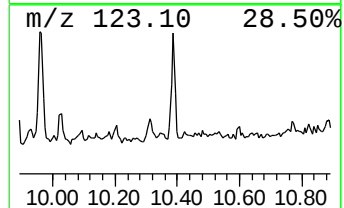
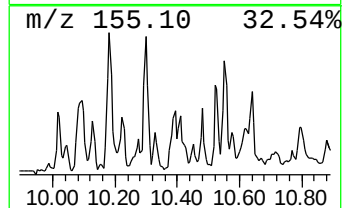
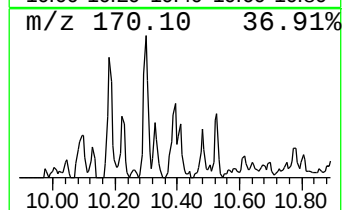
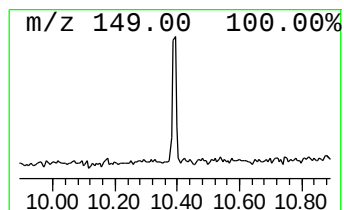
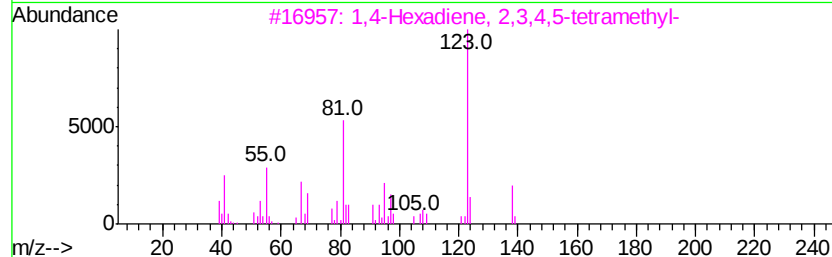
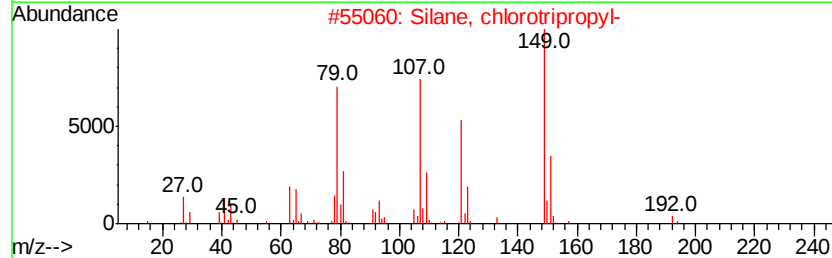
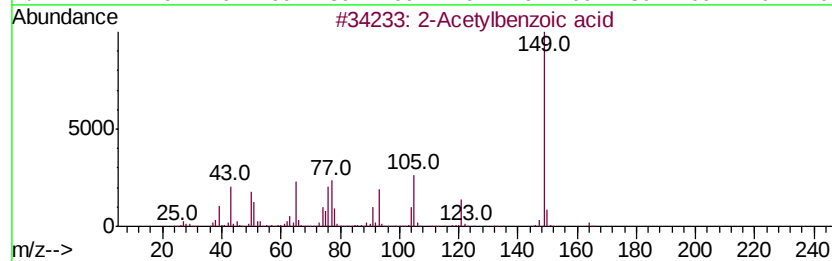
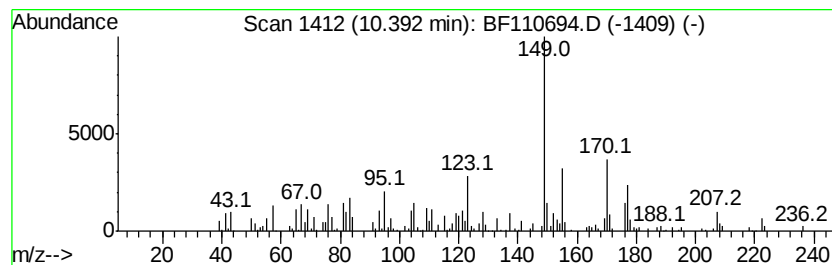
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown10.39 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.39 | 3.39 ng | 107845 | Acenaphthene-d10 | 9.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 2-Acetylbenzoic acid                | 164 | C9H8O3    | 000577-56-0 | 25   |
| 2    |    | Silane, chlorotripropyl-            | 192 | C9H21ClSi | 000995-25-5 | 25   |
| 3    |    | 1,4-Hexadiene, 2,3,4,5-tetramethyl- | 138 | C10H18    | 051504-54-2 | 25   |
| 4    |    | Diethyl Phthalate                   | 222 | C12H14O4  | 000084-66-2 | 25   |
| 5    |    | 1-Propanone, 1-(4-fluorophenyl)-    | 152 | C9H9FO    | 000456-03-1 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

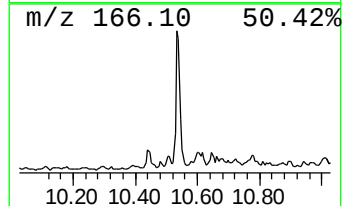
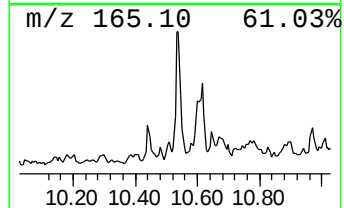
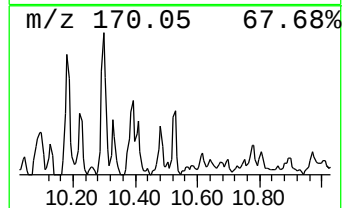
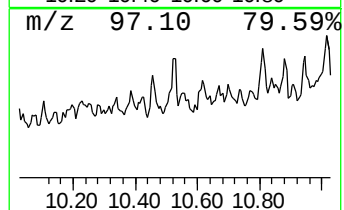
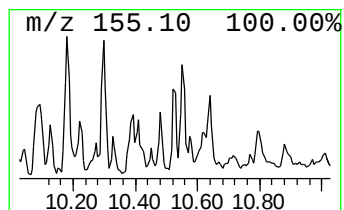
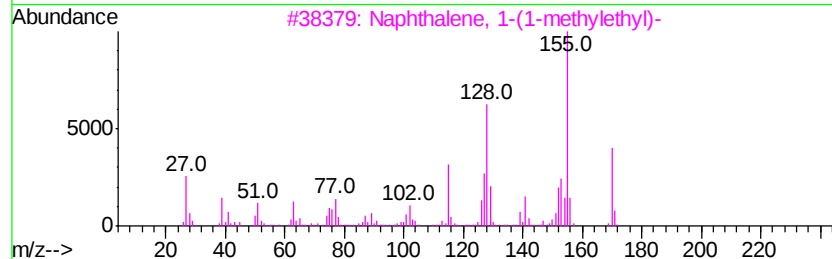
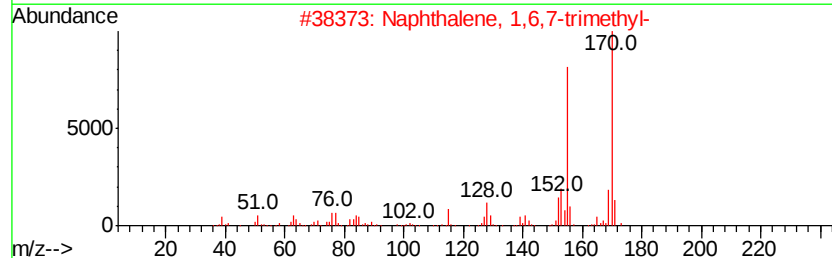
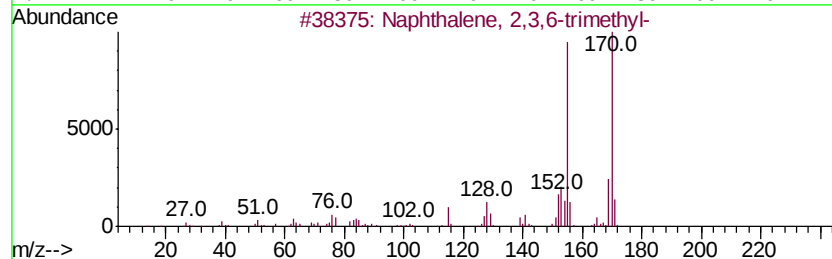
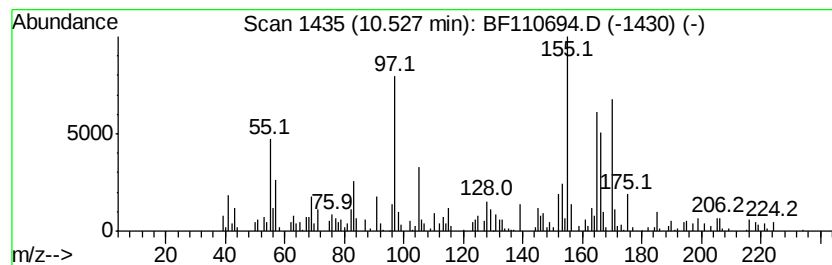
Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.53     | 4.62 ng                             | 146923 | Acenaphthene-d10 | 9.99        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-       | 170    | C13H14           | 000829-26-5 | 50   |
| 2         | Naphthalene, 1,6,7-trimethyl-       | 170    | C13H14           | 002245-38-7 | 50   |
| 3         | Naphthalene, 1-(1-methylethyl)-     | 170    | C13H14           | 006158-45-8 | 43   |
| 4         | 4,6,8-Trimethylazulene              | 170    | C13H14           | 000941-81-1 | 41   |
| 5         | Naphthalene, 1-(chloromethyl)-2-... | 190    | C12H11Cl         | 006626-23-9 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

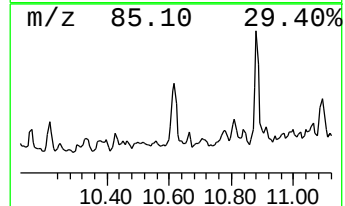
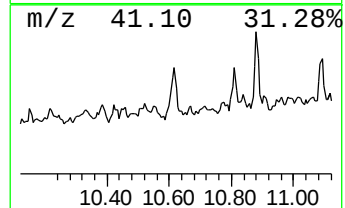
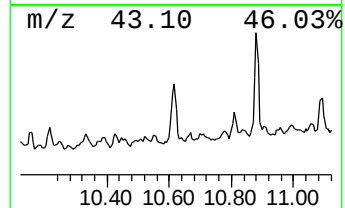
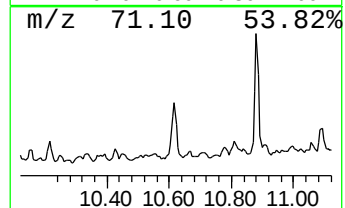
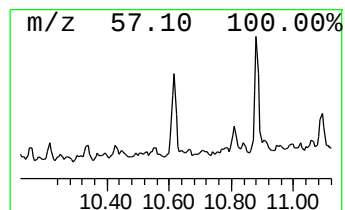
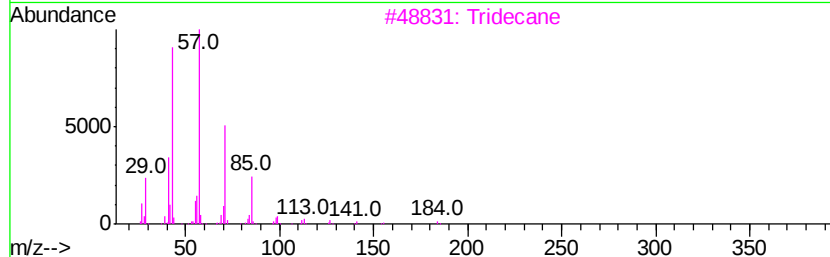
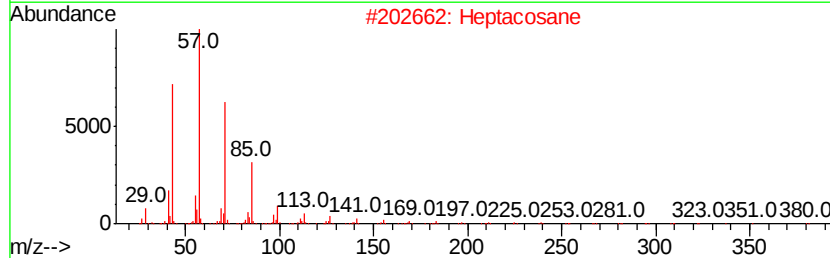
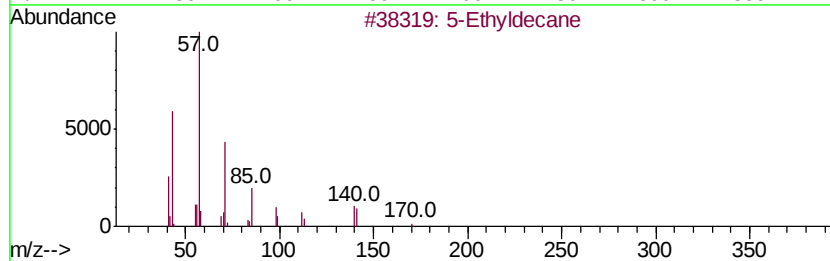
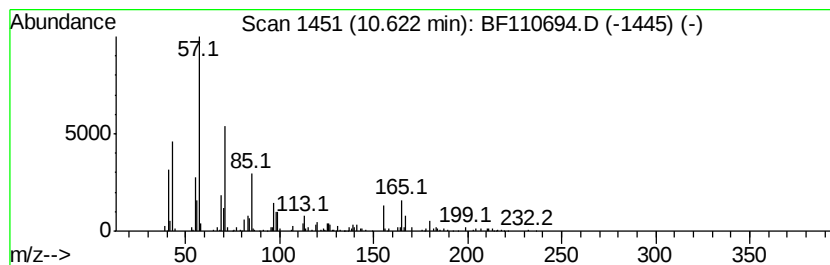
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06-TANK-SOIL

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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 11 5-Ethyldecane Concentration Rank 6

| R.T.      | EstConc                  | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------|--------|------------------|-------------|------|
| 10.62     | 9.28 ng                  | 295383 | Acenaphthene-d10 | 9.99        |      |
| Hit# of 5 | Tentative ID             | MW     | MolForm          | CAS#        | Qual |
| 1         | 5-Ethyldecane            | 170    | C12H26           | 017302-36-2 | 76   |
| 2         | Heptacosane              | 380    | C27H56           | 000593-49-7 | 68   |
| 3         | Tridecane                | 184    | C13H28           | 000629-50-5 | 64   |
| 4         | Decane, 2-methyl-        | 156    | C11H24           | 006975-98-0 | 62   |
| 5         | Decane, 2,6,8-trimethyl- | 184    | C13H28           | 062108-26-3 | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
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Operator : JU/SJ  
Sample : J5906-01 5X  
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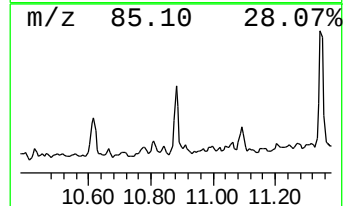
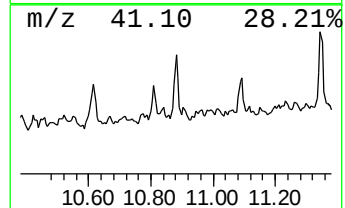
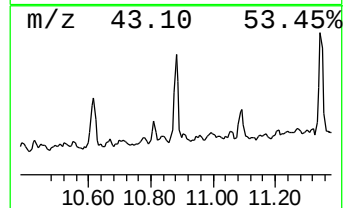
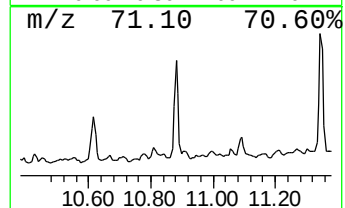
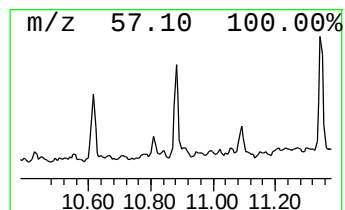
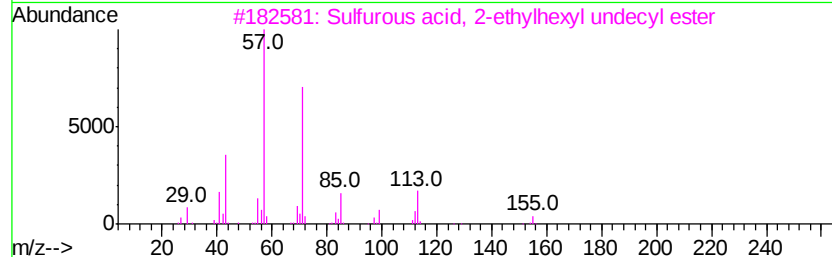
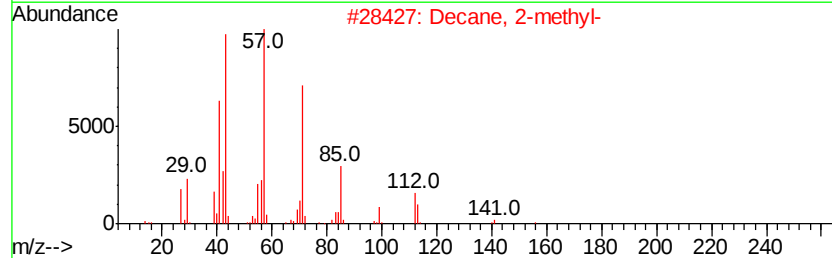
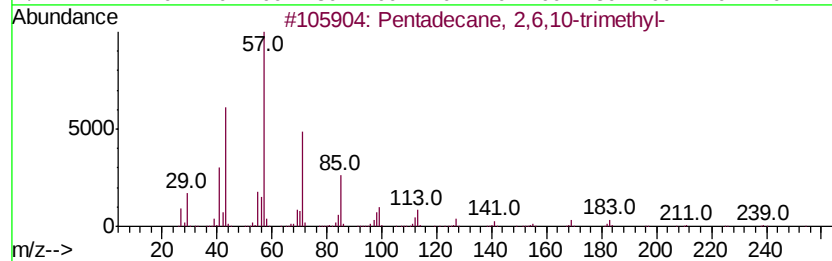
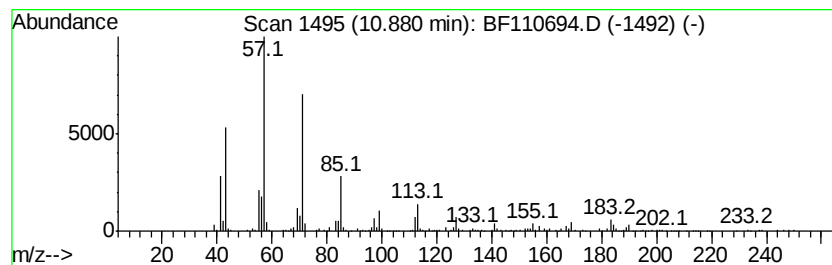
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ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|----------|-------------------------------------|------------------|-----------|--------------|------|
| 10.88   | 17.30 ng | 427640                              | Phenanthrene-d10 | 11.48     |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |          | Pentadecane, 2,6,10-trimethyl-      | 254              | C18H38    | 003892-00-0  | 86   |
| 2       |          | Decane, 2-methyl-                   | 156              | C11H24    | 006975-98-0  | 72   |
| 3       |          | Sulfurous acid, 2-ethylhexyl und... | 348              | C19H40O3S | 1000309-19-4 | 64   |
| 4       |          | Undecane, 2-methyl-                 | 170              | C12H26    | 007045-71-8  | 64   |
| 5       |          | Tridecane, 7-methyl-                | 198              | C14H30    | 026730-14-3  | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
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Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

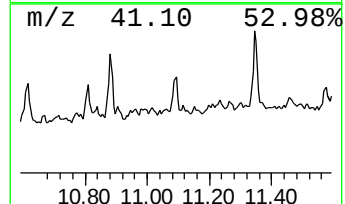
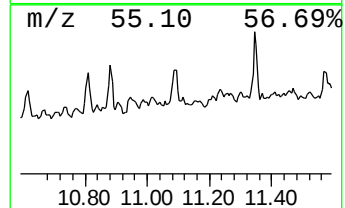
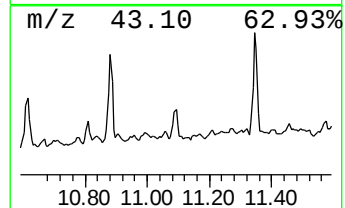
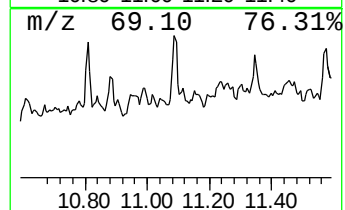
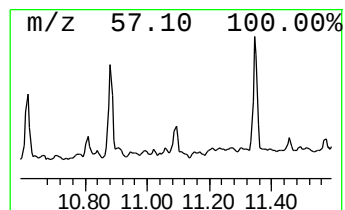
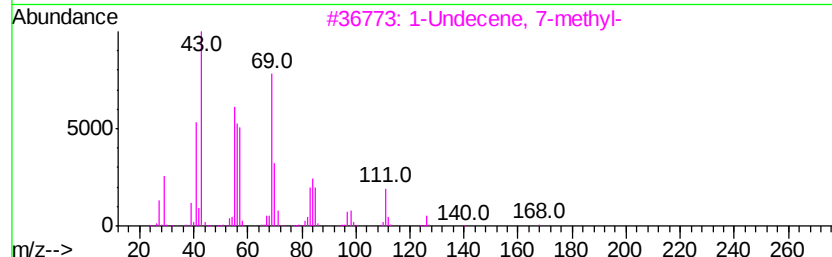
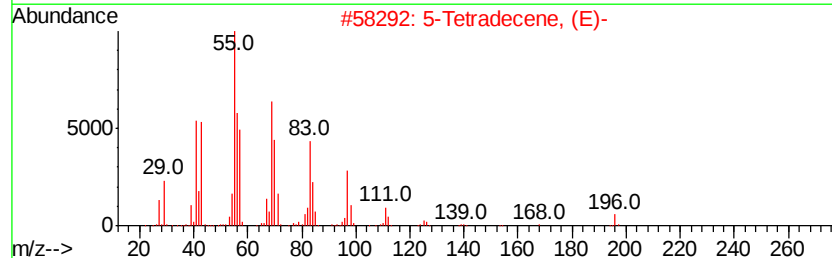
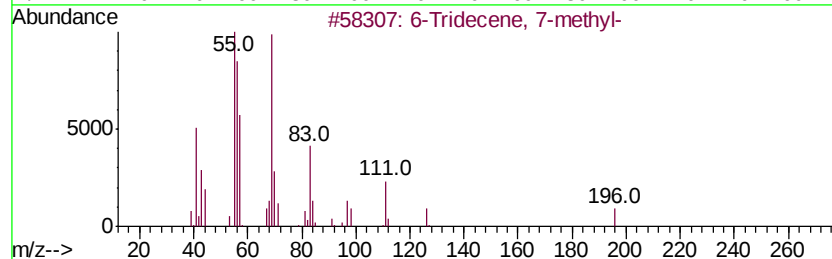
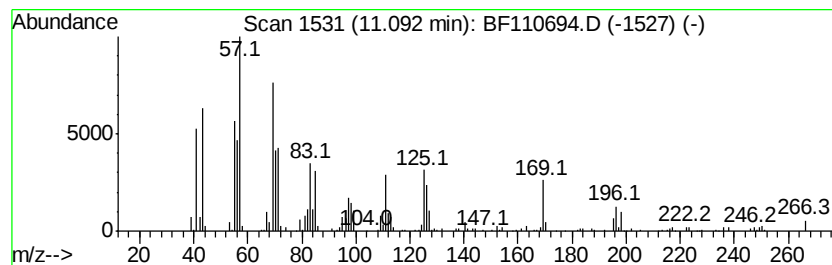
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06-TANK-SOIL

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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 13 6-Tridecene, 7-methyl- Concentration Rank 7

| R.T.      | EstConc                       | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------|--------|------------------|-------------|-------|
| 11.09     | 8.21 ng                       | 202857 | Phenanthrene-d10 |             | 11.48 |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual  |
| 1         | 6-Tridecene, 7-methyl-        | 196    | C14H28           | 024949-42-6 | 64    |
| 2         | 5-Tetradecene, (E)-           | 196    | C14H28           | 041446-66-6 | 50    |
| 3         | 1-Undecene, 7-methyl-         | 168    | C12H24           | 074630-42-5 | 49    |
| 4         | Cyclohexane, 1,2,3-trimethyl- | 126    | C9H18            | 001678-97-3 | 46    |
| 5         | 3-Tetradecene, (E)-           | 196    | C14H28           | 041446-68-8 | 43    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
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Sample : J5906-01 5X  
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ALS Vial : 25 Sample Multiplier: 1

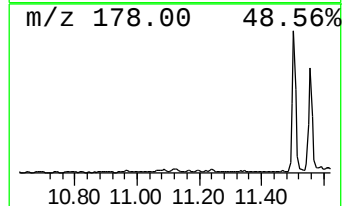
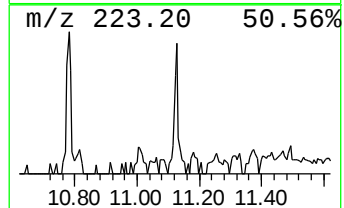
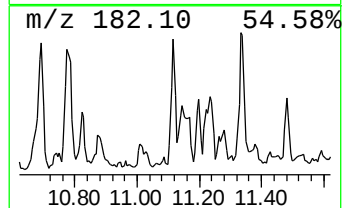
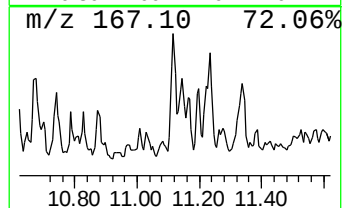
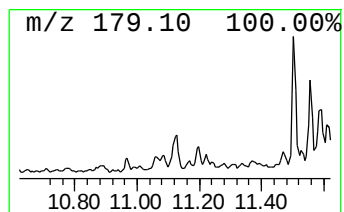
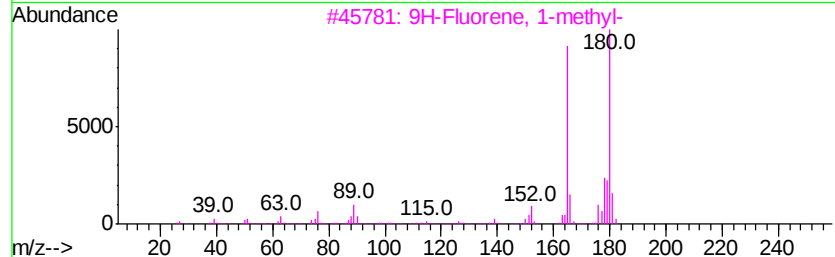
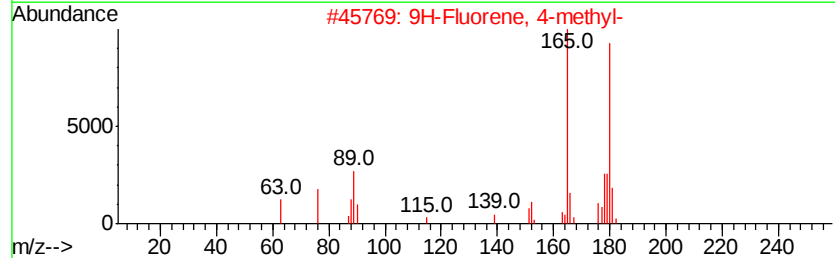
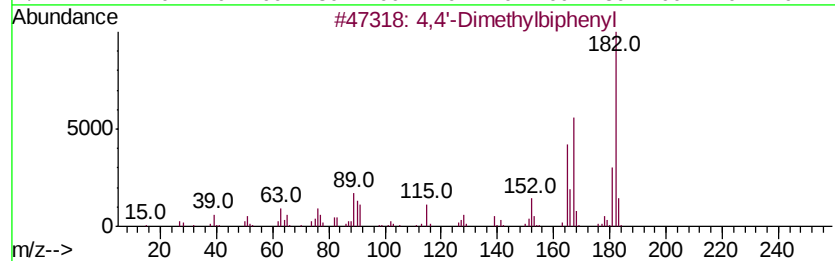
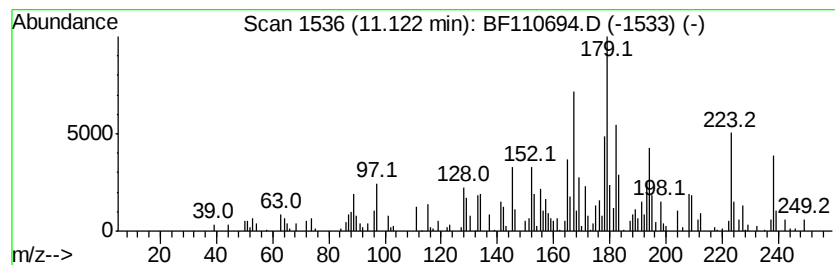
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ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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 4,4'-Dimethylbiphenyl Concentration Rank 16

| R.T.      | EstConc                       | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------|--------|------------------|-------------|-------|
| 11.12     | 4.12 ng                       | 101769 | Phenanthrene-d10 |             | 11.48 |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual  |
| 1         | 4,4'-Dimethylbiphenyl         | 182    | C14H14           | 000613-33-2 | 55    |
| 2         | 9H-Fluorene, 4-methyl-        | 180    | C14H12           | 001556-99-6 | 50    |
| 3         | 9H-Fluorene, 1-methyl-        | 180    | C14H12           | 001730-37-6 | 50    |
| 4         | 9H-Fluorene, 9-methyl-        | 180    | C14H12           | 002523-37-7 | 50    |
| 5         | 1,1'-Biphenyl, 2,4'-dimethyl- | 182    | C14H14           | 000611-61-0 | 46    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
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Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

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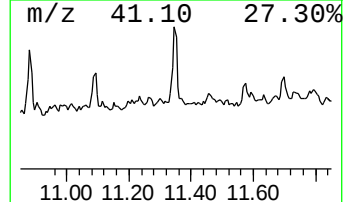
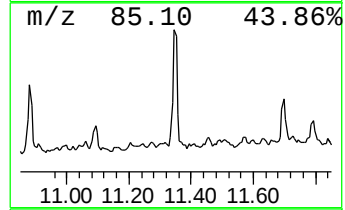
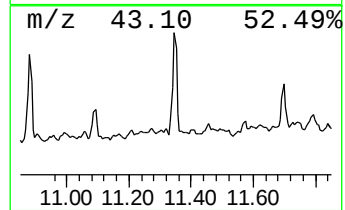
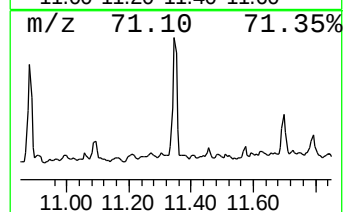
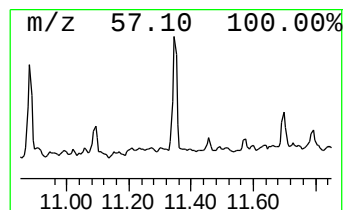
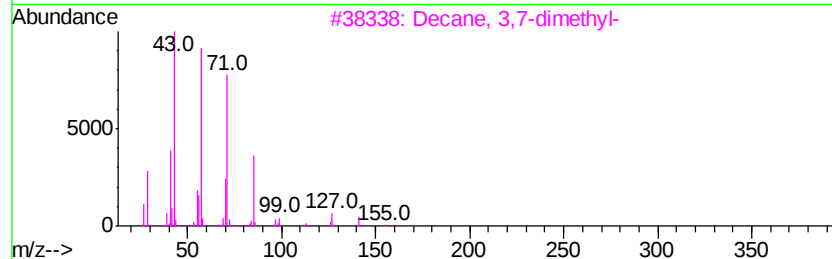
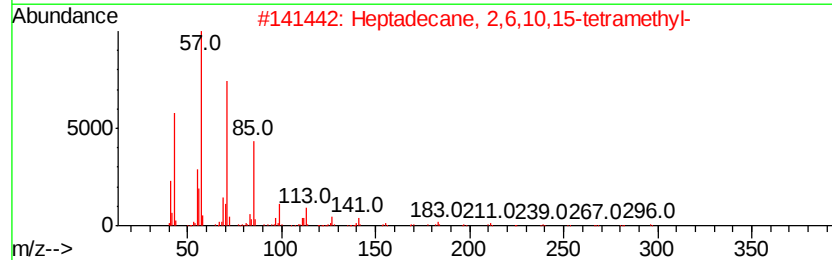
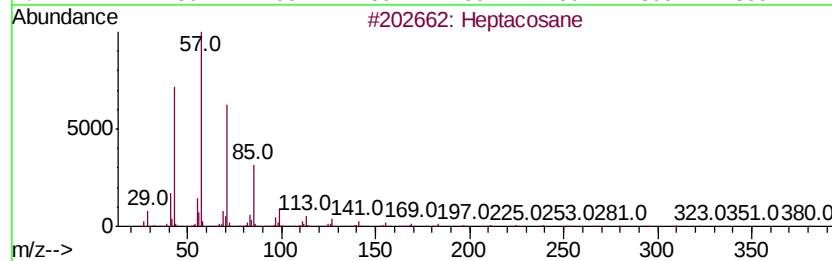
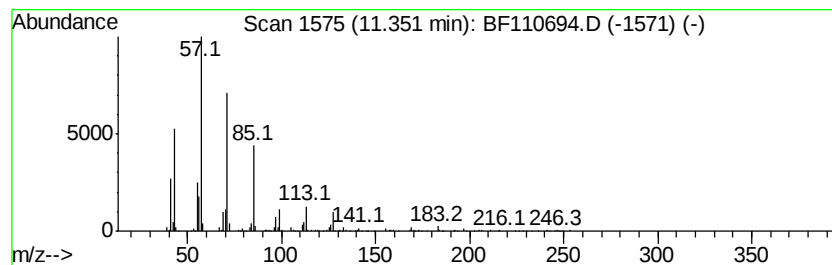
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Heptacosane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.35 | 14.68 ng | 362772 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 3    |    | Decane, 3,7-dimethyl-               | 170 | C12H26  | 017312-54-8 | 74   |
| 4    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 72   |
| 5    |    | Undecane, 2-methyl-                 | 170 | C12H26  | 007045-71-8 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

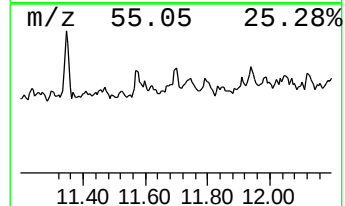
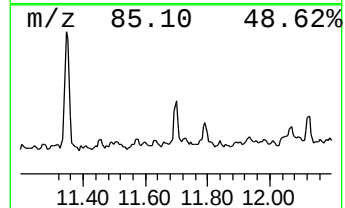
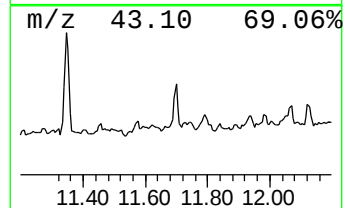
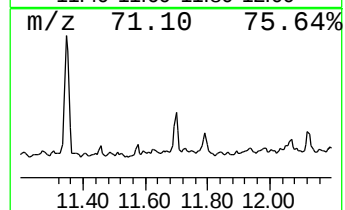
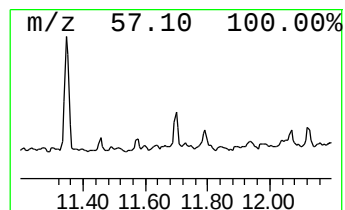
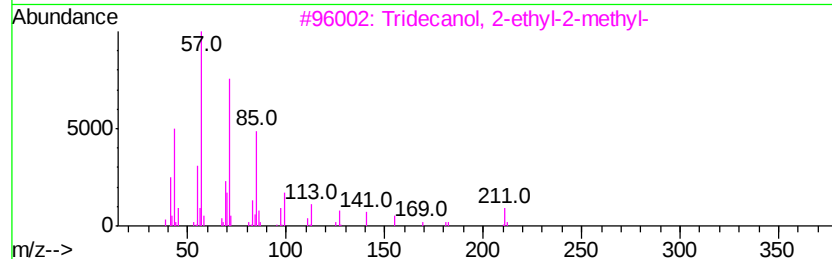
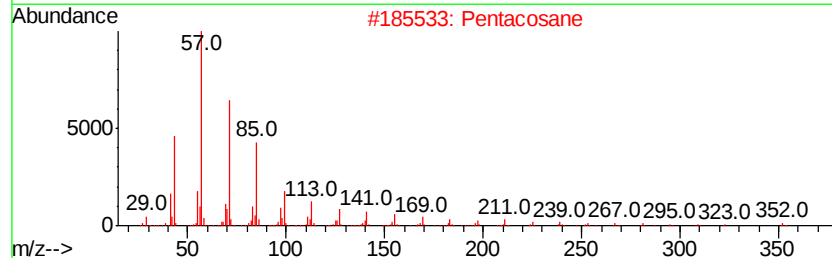
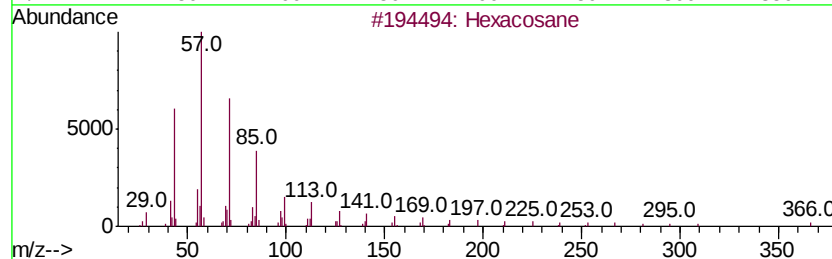
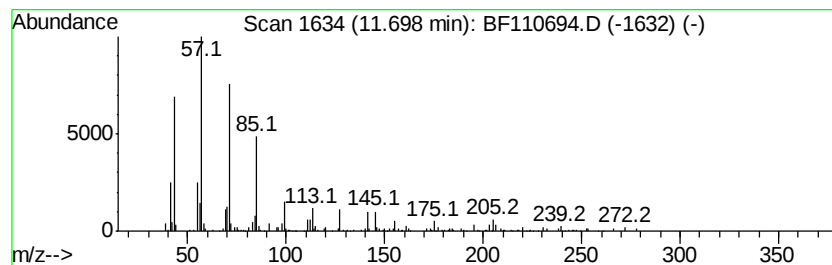
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Hexacosane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.70 | 5.33 ng | 131829 | Phenanthrene-d10 | 11.48 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------|-----|---------|--------------|------|
| 1    |    |   | Hexacosane                    | 366 | C26H54  | 000630-01-3  | 87   |
| 2    |    |   | Pentacosane                   | 352 | C25H52  | 000629-99-2  | 87   |
| 3    |    |   | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1000115-66-1 | 86   |
| 4    |    |   | Hexatriacontane               | 507 | C36H74  | 000630-06-8  | 86   |
| 5    |    |   | Octadecane                    | 254 | C18H38  | 000593-45-3  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
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Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

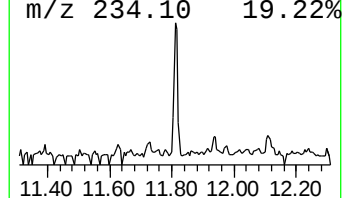
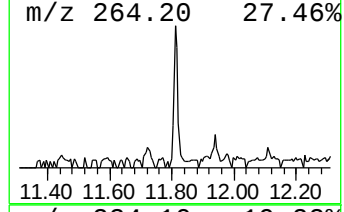
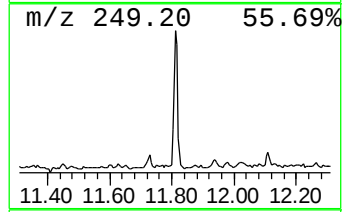
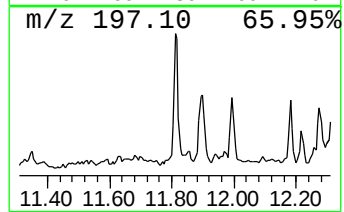
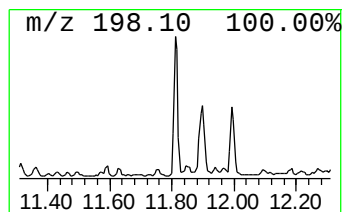
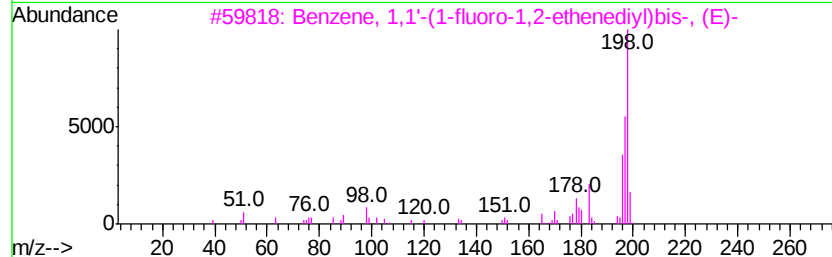
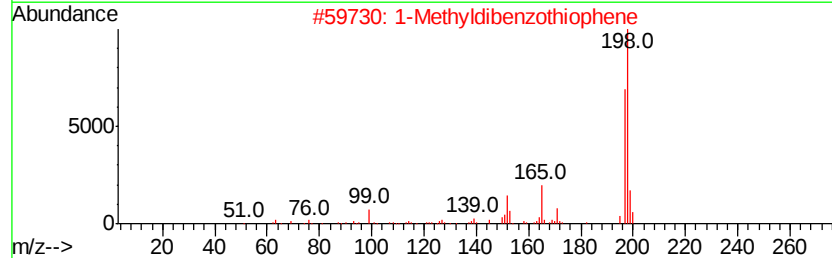
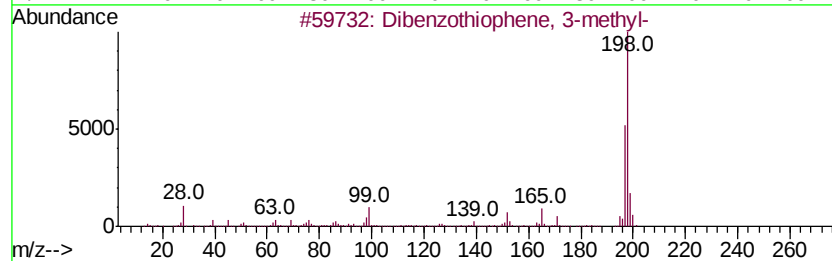
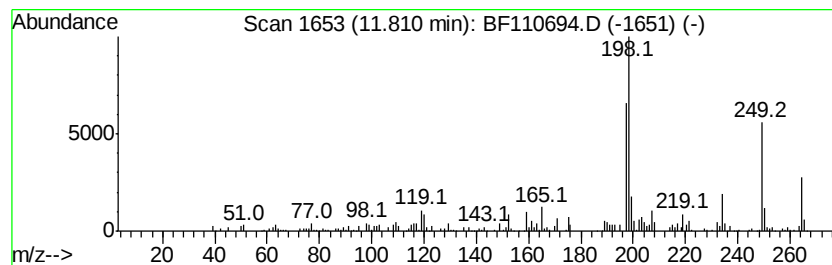
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Dibenzothiophene, 3-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.81 | 5.38 ng | 133001 | Phenanthrene-d10 | 11.48 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Dibenzothiophene, 3-methyl-         | 198 | C13H10S  | 016587-52-3 | 50   |
| 2    |    |   | 1-Methyldibenzothiophene            | 198 | C13H10S  | 031317-07-4 | 45   |
| 3    |    |   | Benzene, 1,1'-(1-fluoro-1,2-ethe... | 198 | C14H11F  | 000671-19-2 | 43   |
| 4    |    |   | Dibenzothiophene, 4-methyl-         | 198 | C13H10S  | 007372-88-5 | 43   |
| 5    |    |   | Benzenamine, 4,4'-methylenebis-     | 198 | C13H14N2 | 000101-77-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

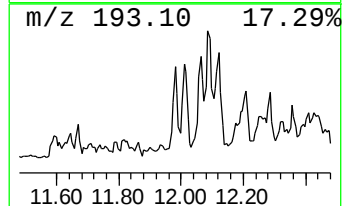
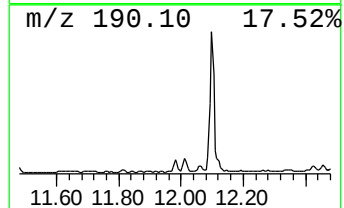
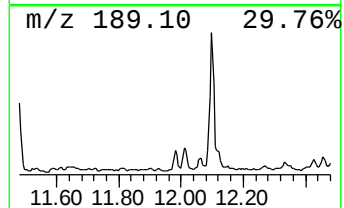
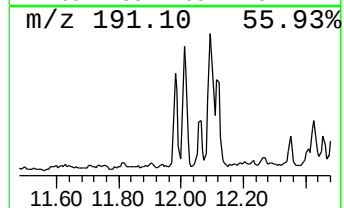
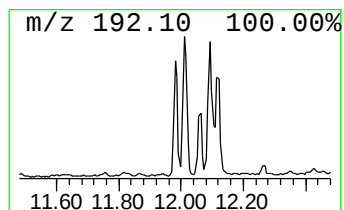
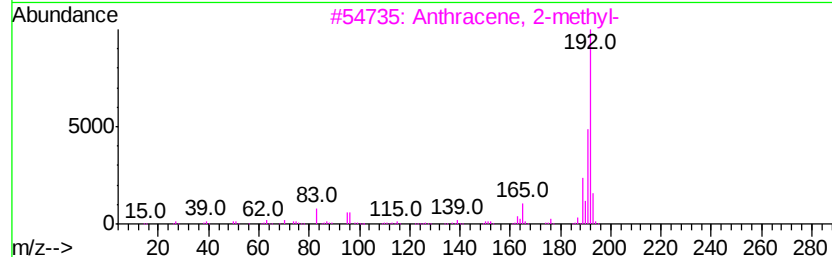
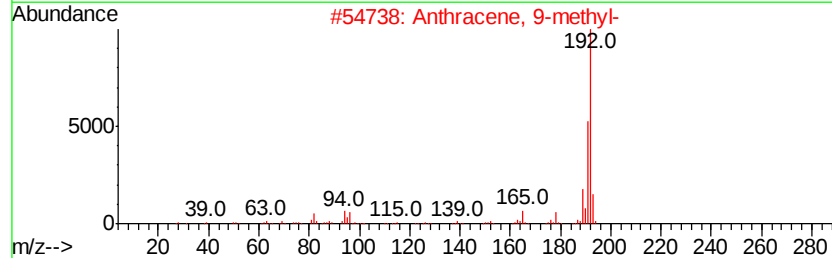
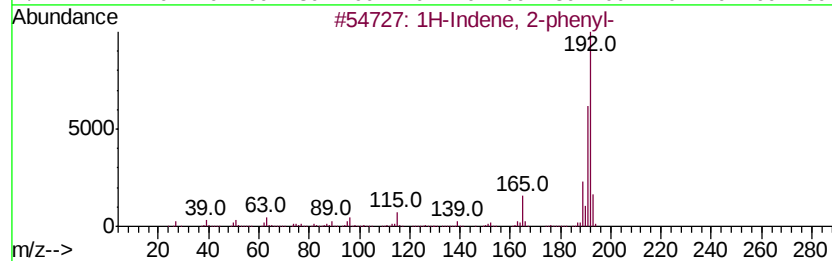
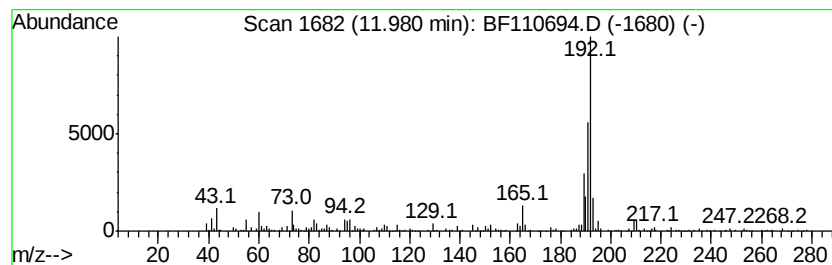
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 1H-Indene, 2-phenyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.98 | 7.38 ng | 182308 | Phenanthrene-d10 | 11.48 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 96   |
| 2    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 95   |
| 3    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

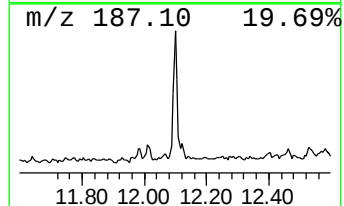
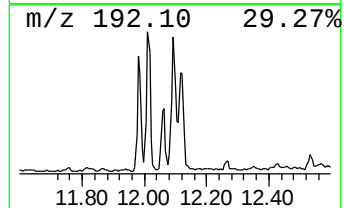
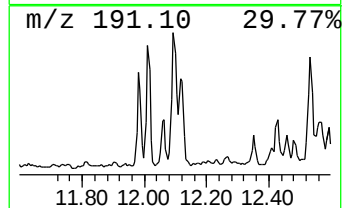
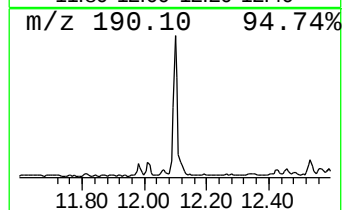
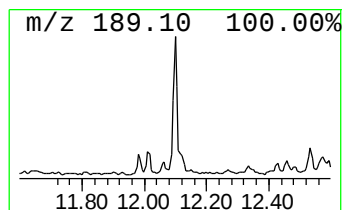
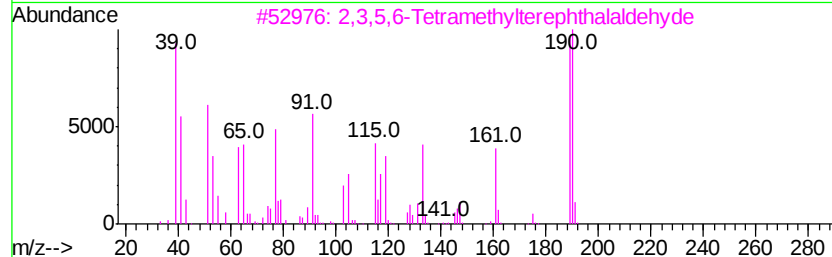
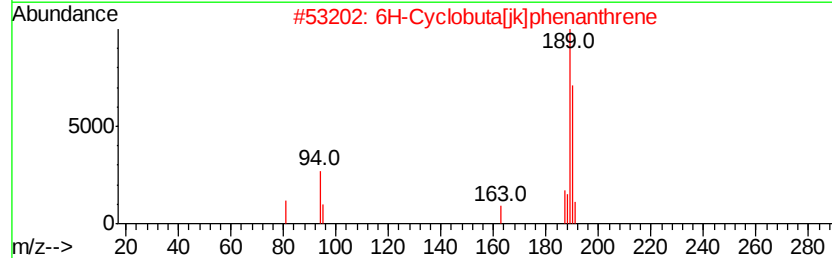
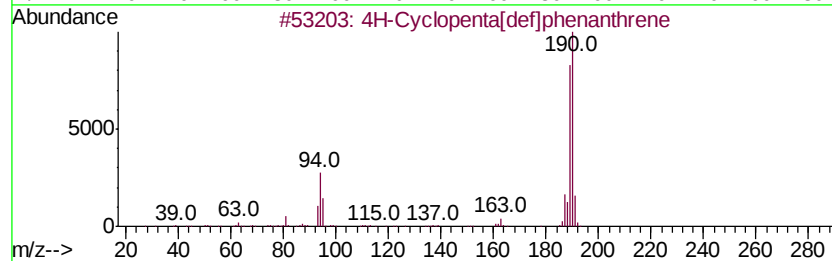
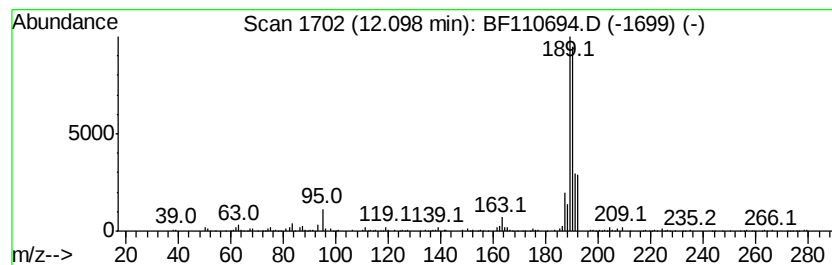
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.10 | 11.38 ng | 281262 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 80   |
| 2    |    | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10   | 083469-43-6 | 72   |
| 3    |    | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50   |
| 4    |    | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4 | 069286-06-2 | 42   |
| 5    |    | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4  | 004923-55-1 | 23   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\  
Data File : BF110694.D  
Acq On : 13 Nov 2018 00:16  
Operator : JU/SJ  
Sample : J5906-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

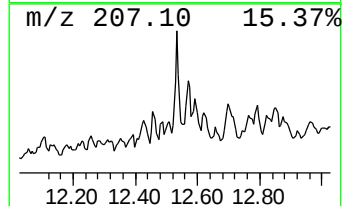
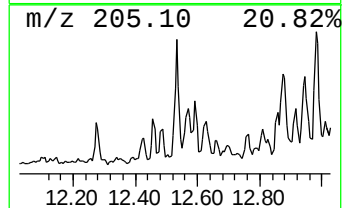
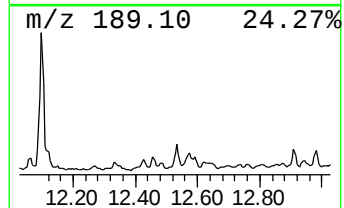
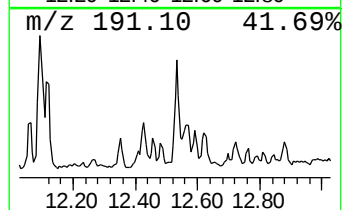
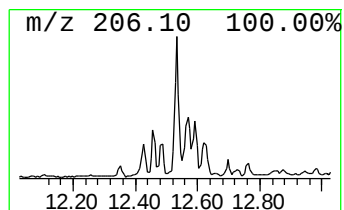
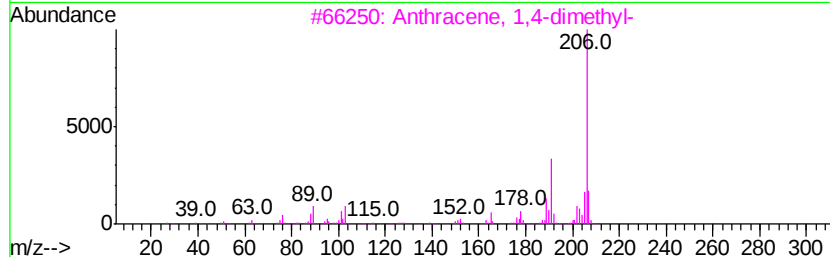
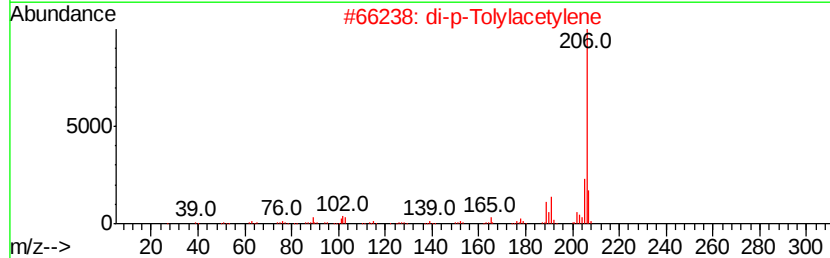
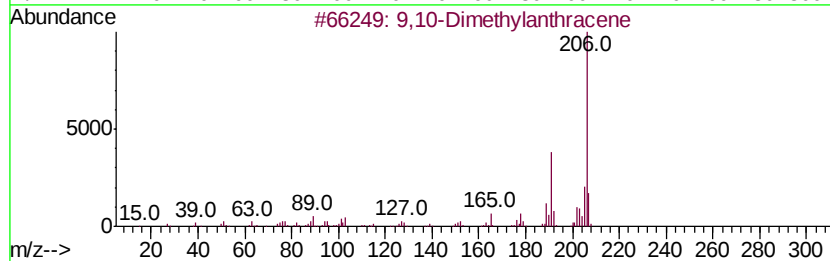
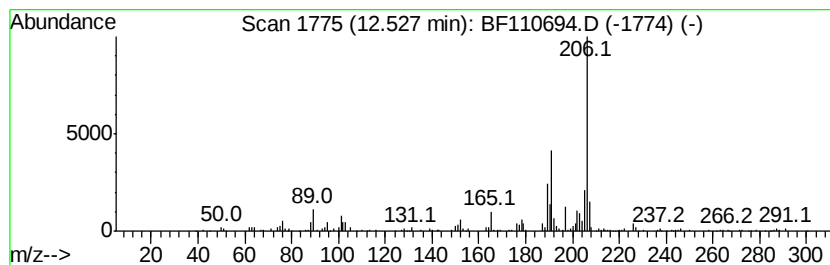
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 9,10-Dimethylantracene Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.53 | 5.17 ng | 127725 | Phenanthrene-d10 | 11.48 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 96   |
| 2    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 90   |
| 3    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 89   |
| 4    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 87   |
| 5    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111218\  
 Data File : BF110694.D  
 Acq On : 13 Nov 2018 00:16  
 Operator : JU/SJ  
 Sample : J5906-01 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 06-TANK-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110818.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 |
| unknown6.71           | 6.71  | 19.1    | ng    | 506202   | 1                     | 6.95  | 530145 | 20.0 |
| Cyclohexane, 1,1,...  | 8.66  | 2.9     | ng    | 95064    | 2                     | 8.23  | 664486 | 20.0 |
| Tridecane, 7-meth...  | 8.75  | 3.6     | ng    | 119970   | 2                     | 8.23  | 664486 | 20.0 |
| Dodecane, 2,7,10-...  | 9.23  | 3.0     | ng    | 96603    | 3                     | 9.99  | 636456 | 20.0 |
| Cyclohexane, 1,1,...  | 9.37  | 4.4     | ng    | 140287   | 3                     | 9.99  | 636456 | 20.0 |
| unknown9.69           | 9.69  | 7.1     | ng    | 227198   | 3                     | 9.99  | 636456 | 20.0 |
| 1-Pentadecene         | 9.84  | 4.8     | ng    | 152339   | 3                     | 9.99  | 636456 | 20.0 |
| unknown10.39          | 10.39 | 3.4     | ng    | 107845   | 3                     | 9.99  | 636456 | 20.0 |
| Naphthalene, 2,3,...  | 10.53 | 4.6     | ng    | 146923   | 3                     | 9.99  | 636456 | 20.0 |
| 5-Ethyldecane         | 10.62 | 9.3     | ng    | 295383   | 3                     | 9.99  | 636456 | 20.0 |
| Pentadecane, 2,6,...  | 10.88 | 17.3    | ng    | 427640   | 4                     | 11.48 | 494357 | 20.0 |
| 6-Tridecene, 7-me...  | 11.09 | 8.2     | ng    | 202857   | 4                     | 11.48 | 494357 | 20.0 |
| 4,4'-Dimethylbiph...  | 11.12 | 4.1     | ng    | 101769   | 4                     | 11.48 | 494357 | 20.0 |
| Heptacosane           | 11.35 | 14.7    | ng    | 362772   | 4                     | 11.48 | 494357 | 20.0 |
| Hexacosane            | 11.70 | 5.3     | ng    | 131829   | 4                     | 11.48 | 494357 | 20.0 |
| Dibenzothiophene,...  | 11.81 | 5.4     | ng    | 133001   | 4                     | 11.48 | 494357 | 20.0 |
| 1H-Indene, 2-phenyl-  | 11.98 | 7.4     | ng    | 182308   | 4                     | 11.48 | 494357 | 20.0 |
| 4H-Cyclopenta[def...  | 12.10 | 11.4    | ng    | 281262   | 4                     | 11.48 | 494357 | 20.0 |
| 9,10-Dimethylanthe... | 12.53 | 5.2     | ng    | 127725   | 4                     | 11.48 | 494357 | 20.0 |