

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
 Data File : BF084369.D  
 Acq On : 10 Jan 2016 17:17  
 Operator : SJ/UM  
 Sample : H1035-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HAZ-COMP

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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         | 5.036       | 256           | 258         | 267          | rVB      | 1043257        | 1552940       | 27.92%          | 2.466%        |
| 2         | 5.470       | 293           | 296         | 299          | rBV      | 5389358        | 5027488       | 90.40%          | 7.985%        |
| 3         | 6.499       | 383           | 386         | 389          | rBV      | 3991793        | 5239598       | 94.22%          | 8.322%        |
| 4         | 6.624       | 395           | 397         | 400          | rBV      | 4994582        | 4990364       | 89.73%          | 7.926%        |
| 5         | 6.853       | 415           | 417         | 419          | rBV      | 2054868        | 1658365       | 29.82%          | 2.634%        |
| 6         | 7.013       | 428           | 431         | 433          | rVB      | 4665376        | 4336658       | 77.98%          | 6.888%        |
| 7         | 7.425       | 464           | 467         | 469          | rBV      | 3309269        | 3854114       | 69.30%          | 6.121%        |
| 8         | 7.539       | 475           | 477         | 482          | rBV      | 50472          | 92102         | 1.66%           | 0.146%        |
| 9         | 8.145       | 527           | 530         | 532          | rBV      | 2069937        | 2144231       | 38.56%          | 3.405%        |
| 10        | 9.219       | 621           | 624         | 626          | rBV      | 6390010        | 5561258       | 100.00%         | 8.832%        |
| 11        | 9.619       | 656           | 659         | 661          | rBV      | 655353         | 867513        | 15.60%          | 1.378%        |
| 12        | 9.825       | 673           | 677         | 681          | rBV      | 72177          | 169274        | 3.04%           | 0.269%        |
| 13        | 9.893       | 681           | 683         | 688          | rVB      | 2515236        | 2460893       | 44.25%          | 3.908%        |
| 14        | 10.019      | 692           | 694         | 696          | rBV      | 338319         | 313000        | 5.63%           | 0.497%        |
| 15        | 10.328      | 720           | 721         | 723          | rVB      | 189125         | 154882        | 2.79%           | 0.246%        |
| 16        | 10.545      | 737           | 740         | 744          | rBV      | 63799          | 126356        | 2.27%           | 0.201%        |
| 17        | 10.682      | 749           | 752         | 754          | rVV      | 3386589        | 3508676       | 63.09%          | 5.573%        |
| 18        | 10.716      | 754           | 755         | 761          | rVV2     | 82294          | 139373        | 2.51%           | 0.221%        |
| 19        | 10.808      | 761           | 763         | 769          | rVB      | 153613         | 256382        | 4.61%           | 0.407%        |
| 20        | 11.254      | 799           | 802         | 803          | rBV      | 137675         | 121564        | 2.19%           | 0.193%        |
| 21        | 11.379      | 811           | 813         | 815          | rBV      | 2597289        | 2246542       | 40.40%          | 3.568%        |
| 22        | 11.436      | 816           | 818         | 822          | rVB2     | 58407          | 99650         | 1.79%           | 0.158%        |
| 23        | 11.608      | 830           | 833         | 837          | rBV2     | 43383          | 88049         | 1.58%           | 0.140%        |
| 24        | 11.676      | 837           | 839         | 840          | rVV      | 81419          | 77529         | 1.39%           | 0.123%        |
| 25        | 11.699      | 840           | 841         | 843          | rVB      | 276220         | 218889        | 3.94%           | 0.348%        |
| 26        | 11.882      | 855           | 857         | 858          | rVB      | 138028         | 129305        | 2.33%           | 0.205%        |
| 27        | 12.088      | 871           | 875         | 876          | rBV      | 43952          | 74119         | 1.33%           | 0.118%        |
| 28        | 12.111      | 876           | 877         | 880          | rVB2     | 290914         | 351992        | 6.33%           | 0.559%        |
| 29        | 12.282      | 887           | 892         | 897          | rVB5     | 44997          | 86195         | 1.55%           | 0.137%        |
| 30        | 12.351      | 897           | 898         | 901          | rBV3     | 79399          | 85723         | 1.54%           | 0.136%        |
| 31        | 12.408      | 901           | 903         | 904          | rBV      | 206008         | 183990        | 3.31%           | 0.292%        |
| 32        | 12.488      | 907           | 910         | 914          | rVV4     | 124593         | 293942        | 5.29%           | 0.467%        |
| 33        | 12.591      | 914           | 919         | 920          | rVV      | 133868         | 343431        | 6.18%           | 0.545%        |
| 34        | 12.614      | 920           | 921         | 923          | rVV2     | 149783         | 157218        | 2.83%           | 0.250%        |

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ClientSampleId :  
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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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.682 | 923  | 927  | 929  | rVB2 | 824611  | 1197783 | 21.54% | 1.902% |
| 36 | 12.785 | 934  | 936  | 940  | rBV3 | 818484  | 1616226 | 29.06% | 2.567% |
| 37 | 12.854 | 940  | 942  | 945  | rVV  | 333083  | 449512  | 8.08%  | 0.714% |
| 38 | 12.911 | 945  | 947  | 949  | rVV2 | 128486  | 151091  | 2.72%  | 0.240% |
| 39 | 12.968 | 949  | 952  | 954  | rVB  | 4927467 | 4526841 | 81.40% | 7.190% |
| 40 | 13.185 | 969  | 971  | 973  | rBV2 | 30215   | 70168   | 1.26%  | 0.111% |
| 41 | 13.288 | 978  | 980  | 983  | rBV2 | 135299  | 169435  | 3.05%  | 0.269% |
| 42 | 13.448 | 990  | 994  | 999  | rBV  | 1279433 | 1493885 | 26.86% | 2.373% |
| 43 | 13.619 | 1007 | 1009 | 1011 | rBV2 | 49929   | 68438   | 1.23%  | 0.109% |
| 44 | 13.871 | 1028 | 1031 | 1036 | rBV  | 526543  | 819820  | 14.74% | 1.302% |
| 45 | 14.020 | 1041 | 1044 | 1046 | rBV  | 1061847 | 1562293 | 28.09% | 2.481% |
| 46 | 14.500 | 1082 | 1086 | 1095 | rBV2 | 191478  | 470503  | 8.46%  | 0.747% |
| 47 | 14.865 | 1116 | 1118 | 1121 | rVB  | 68692   | 74197   | 1.33%  | 0.118% |
| 48 | 15.037 | 1130 | 1133 | 1138 | rBV  | 43168   | 97092   | 1.75%  | 0.154% |
| 49 | 15.117 | 1138 | 1140 | 1142 | rBV  | 89773   | 115137  | 2.07%  | 0.183% |
| 50 | 15.437 | 1166 | 1168 | 1171 | rBV  | 829960  | 1262779 | 22.71% | 2.006% |
| 51 | 15.894 | 1206 | 1208 | 1211 | rBV  | 132021  | 202336  | 3.64%  | 0.321% |
| 52 | 15.963 | 1211 | 1214 | 1216 | rVV4 | 35331   | 90353   | 1.62%  | 0.143% |
| 53 | 16.031 | 1217 | 1220 | 1224 | rVB4 | 147053  | 273514  | 4.92%  | 0.434% |
| 54 | 16.545 | 1263 | 1265 | 1270 | rVB  | 40805   | 80406   | 1.45%  | 0.128% |
| 55 | 16.854 | 1288 | 1292 | 1297 | rVB5 | 35455   | 100629  | 1.81%  | 0.160% |
| 56 | 16.946 | 1297 | 1300 | 1304 | rBV2 | 39055   | 93277   | 1.68%  | 0.148% |
| 57 | 17.151 | 1315 | 1318 | 1324 | rVB  | 88700   | 209362  | 3.76%  | 0.333% |
| 58 | 17.403 | 1337 | 1340 | 1344 | rBV6 | 46630   | 144630  | 2.60%  | 0.230% |
| 59 | 17.483 | 1344 | 1347 | 1353 | rVV6 | 54263   | 199676  | 3.59%  | 0.317% |
| 60 | 17.608 | 1355 | 1358 | 1364 | rVB6 | 40579   | 106183  | 1.91%  | 0.169% |
| 61 | 17.780 | 1369 | 1373 | 1377 | rBV5 | 45890   | 113820  | 2.05%  | 0.181% |
| 62 | 18.386 | 1422 | 1426 | 1431 | rVB6 | 38374   | 112728  | 2.03%  | 0.179% |
| 63 | 19.369 | 1508 | 1512 | 1516 | rVB6 | 28239   | 80129   | 1.44%  | 0.127% |

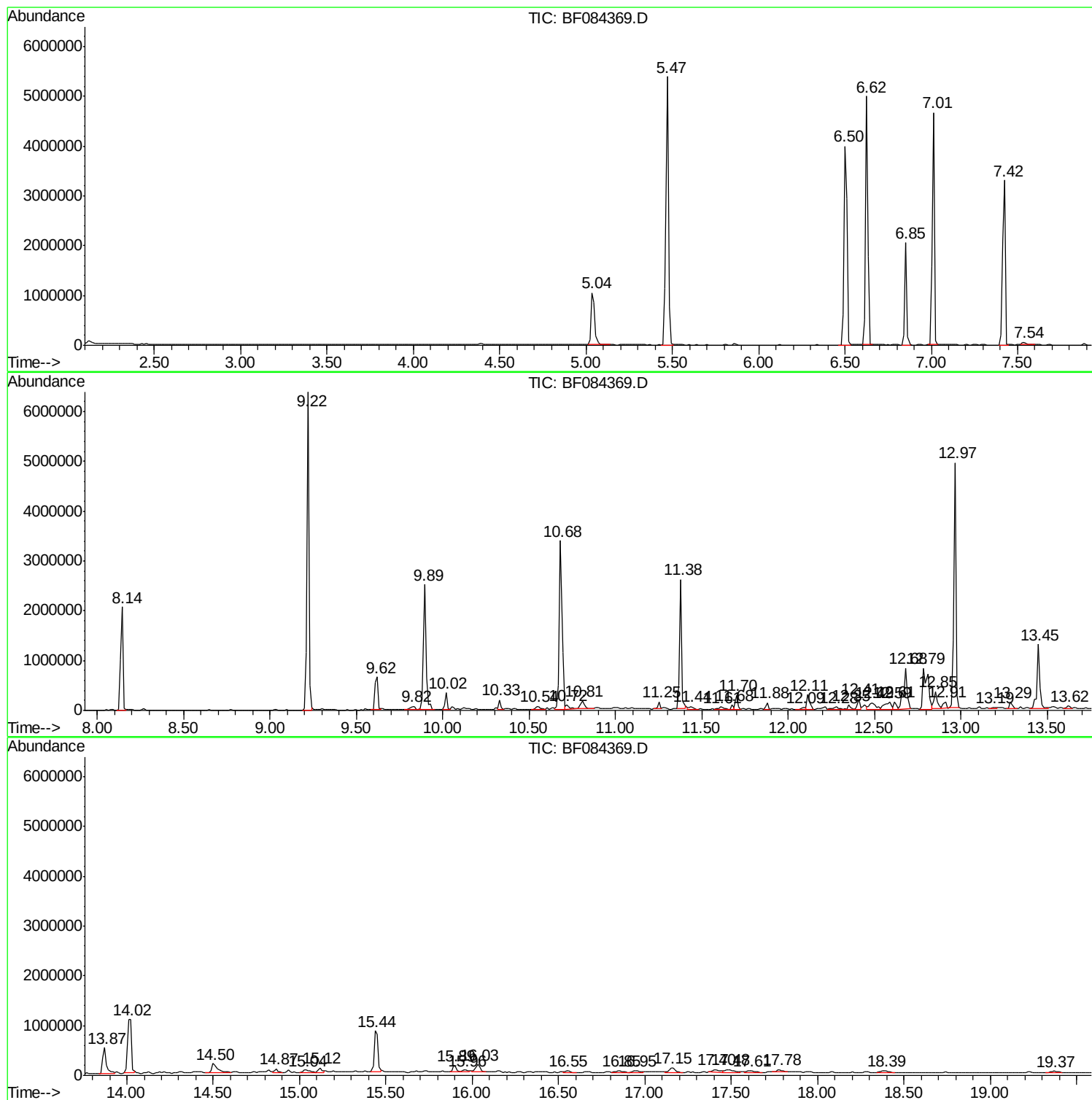
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HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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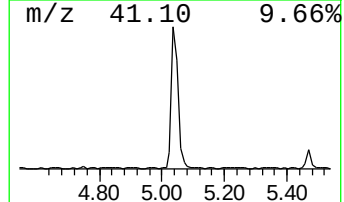
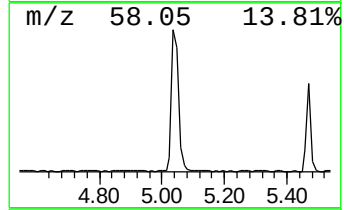
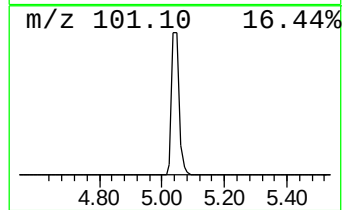
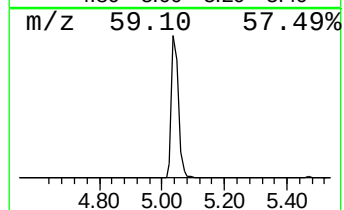
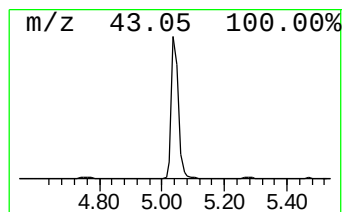
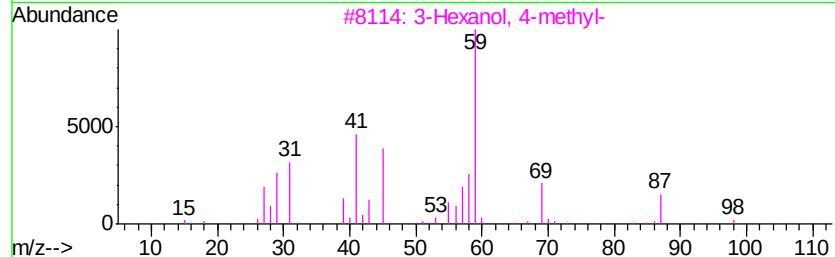
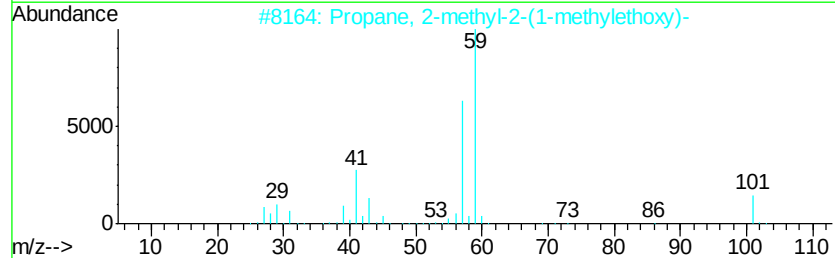
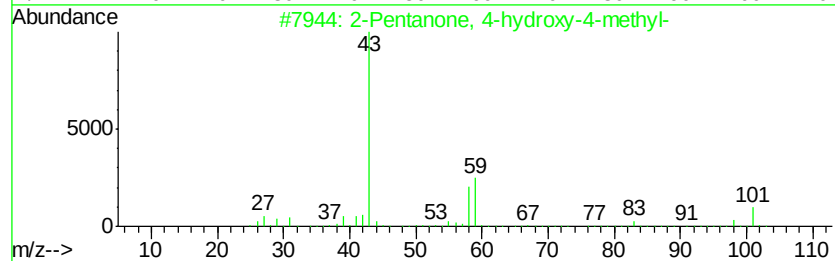
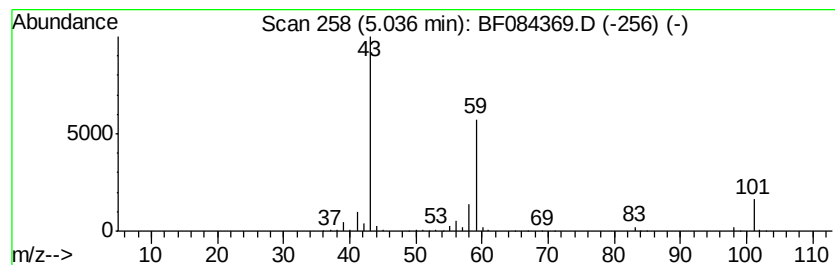
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.04 | 18.73 ng | 1552940 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 33   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |
| 5    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |



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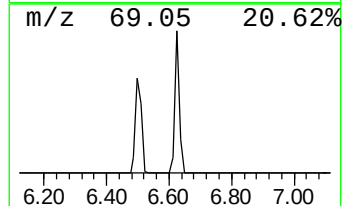
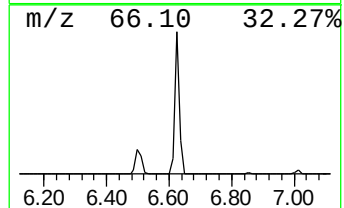
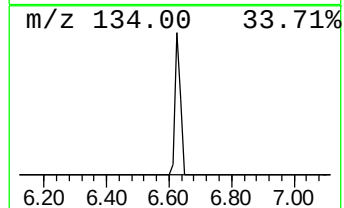
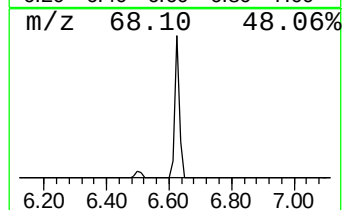
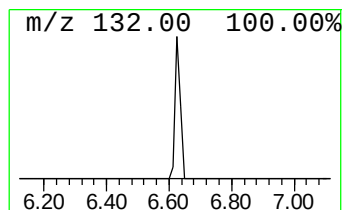
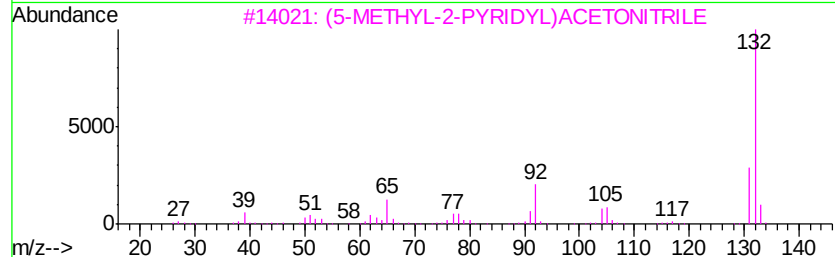
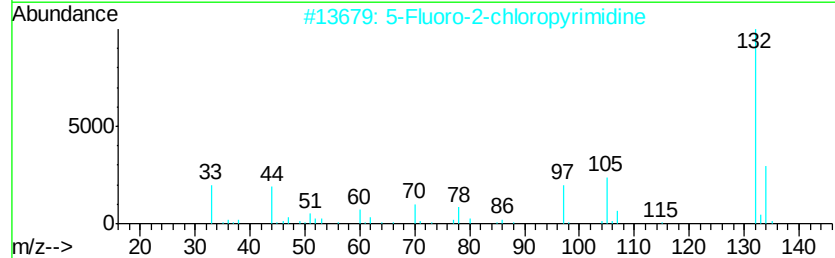
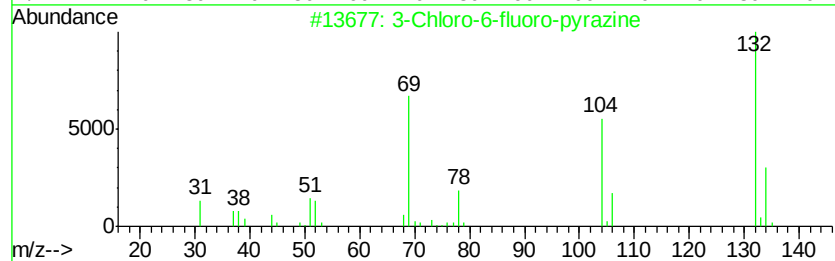
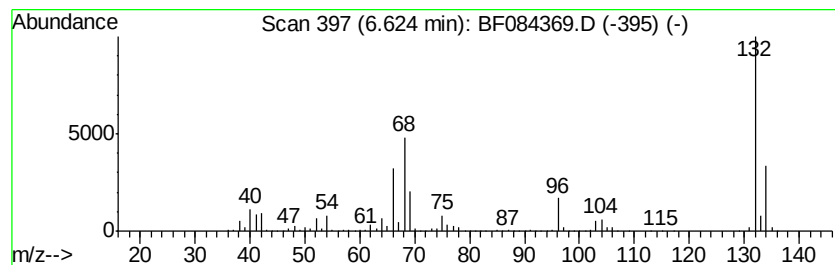
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.62 | 60.18 ng | 4990360 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE    | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 4    |    | 1,2,3-Trifluorobenzene              | 132 | C6H3F3    | 001489-53-8  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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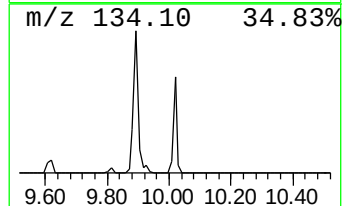
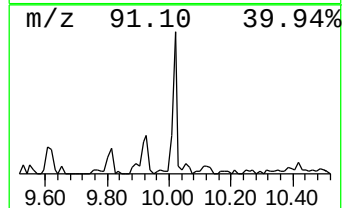
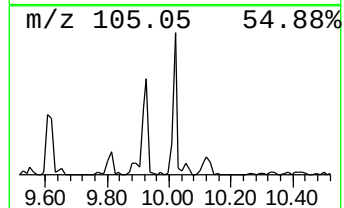
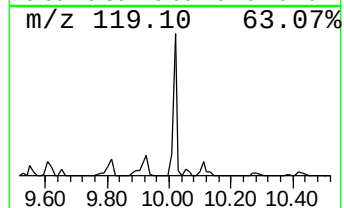
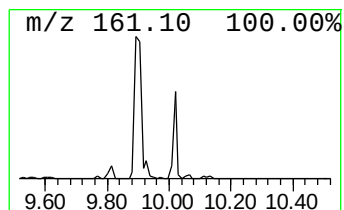
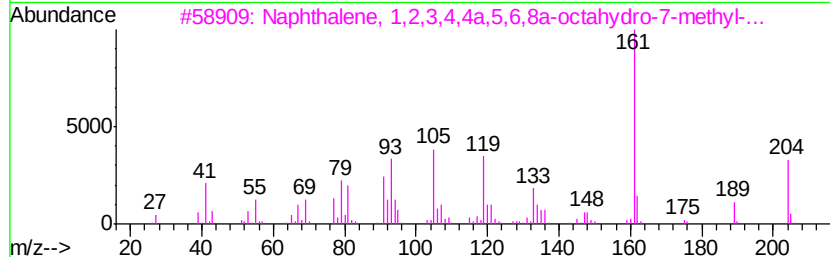
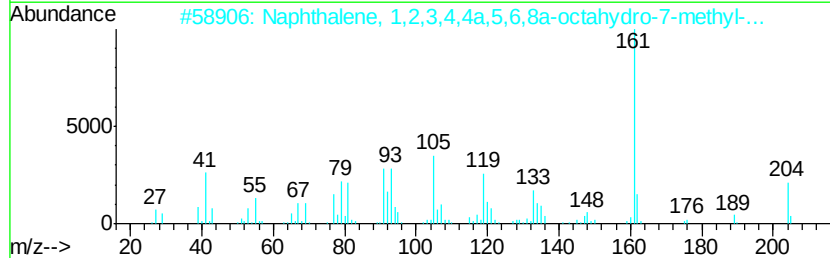
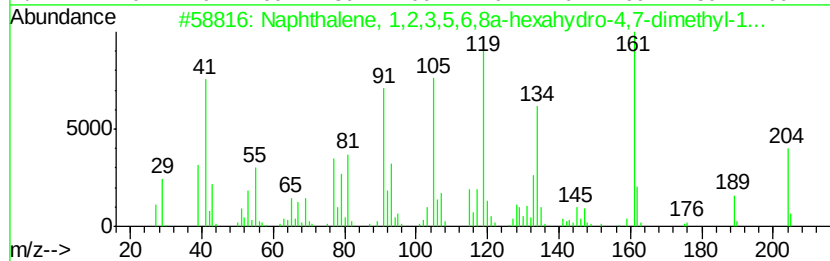
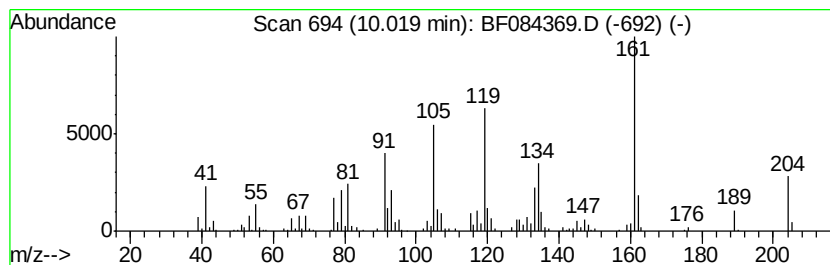
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.02 | 2.54 ng | 313000 | Acenaphthene-d10 | 9.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,5,6,8a-hexahy... | 204 | C15H24  | 000483-76-1 | 98   |
| 2    |    | Naphthalene, 1,2,3,4,4a,5,6,8a-o... | 204 | C15H24  | 039029-41-9 | 81   |
| 3    |    | Naphthalene, 1,2,3,4,4a,5,6,8a-o... | 204 | C15H24  | 030021-74-0 | 76   |
| 4    |    | 1,6-Cyclodecadiene, 1-methyl-5-m... | 204 | C15H24  | 023986-74-5 | 76   |
| 5    |    | .alpha.-Cubebene                    | 204 | C15H24  | 017699-14-8 | 70   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

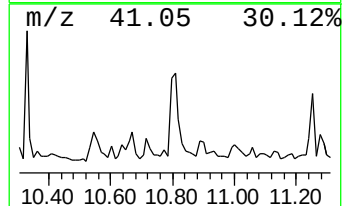
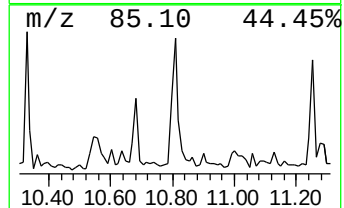
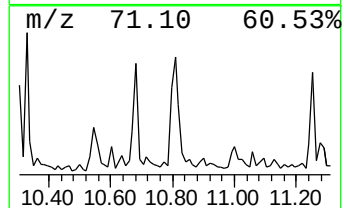
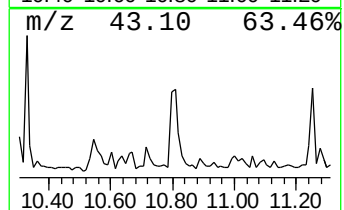
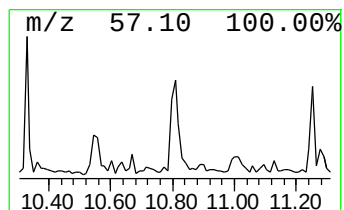
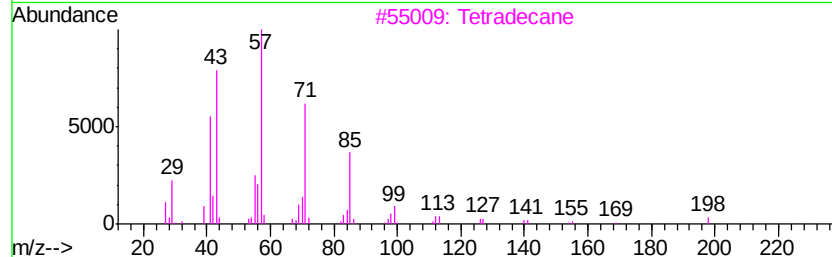
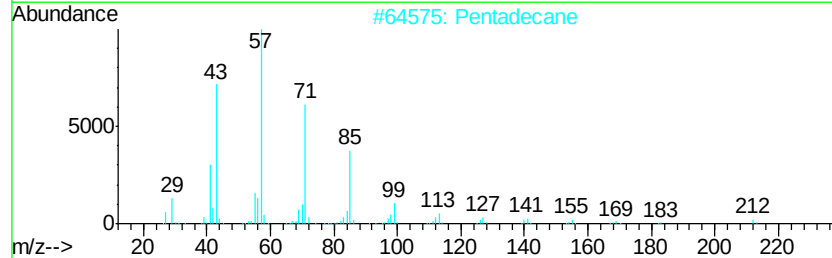
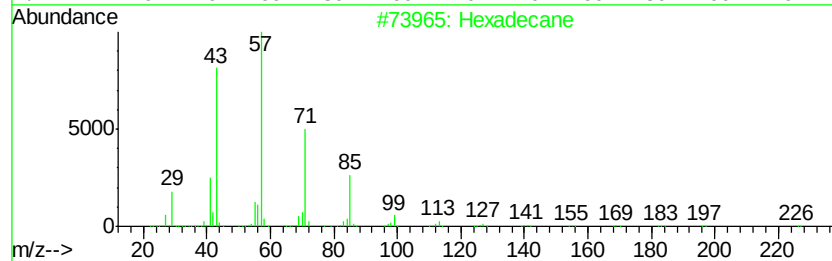
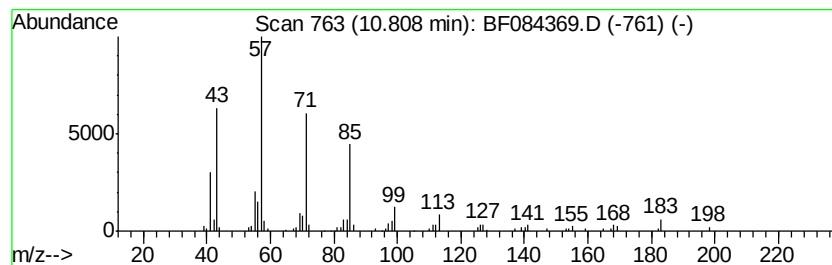
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexadecane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.81 | 2.28 ng | 256382 | Phenanthrene-d10 | 11.38 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 90   |
| 2       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 90   |
| 3       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 87   |
| 4       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 74   |
| 5       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 74   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

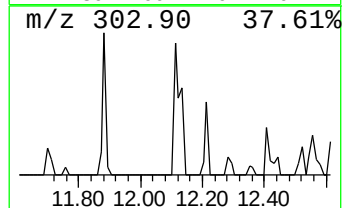
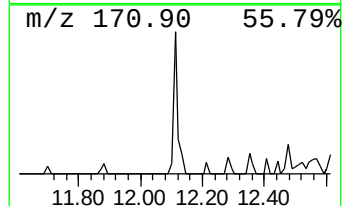
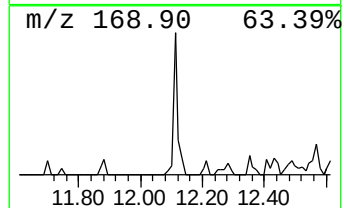
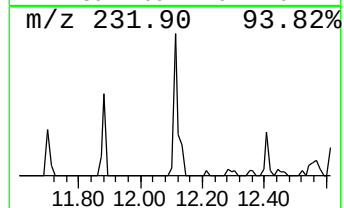
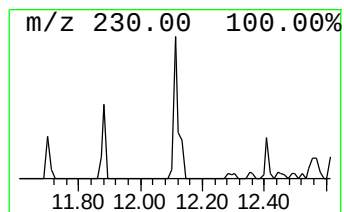
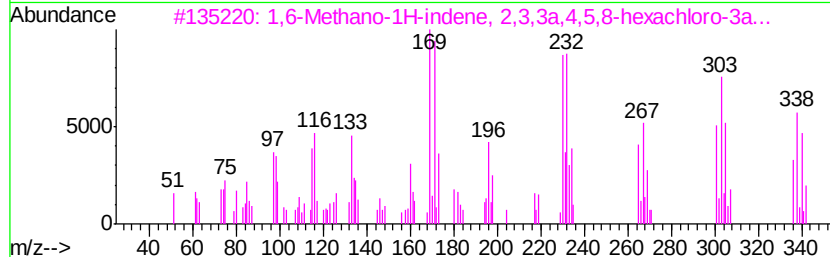
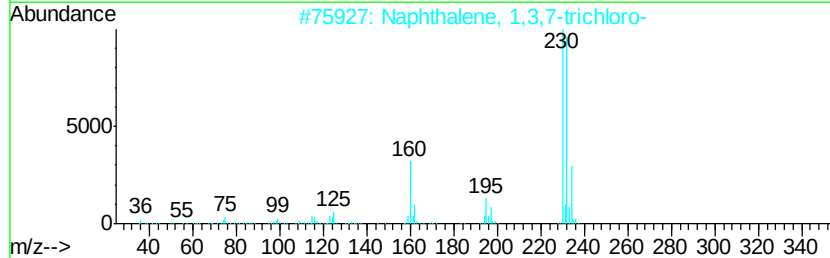
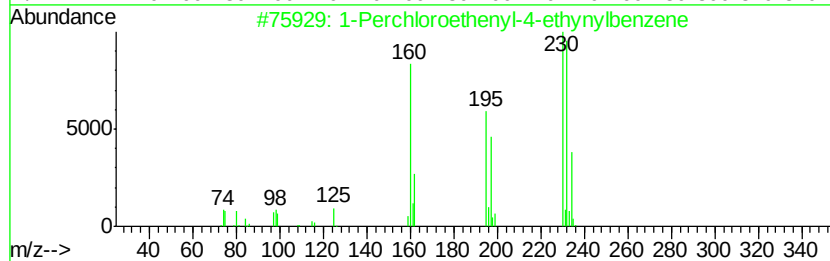
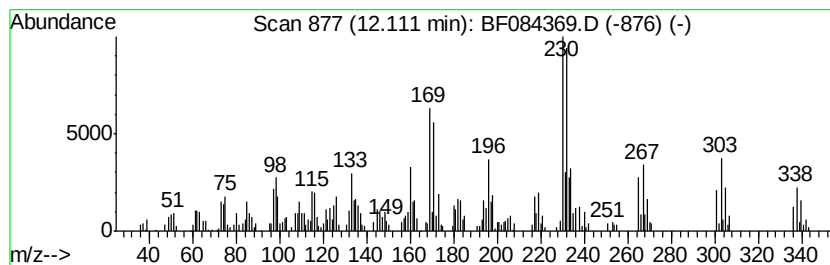
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Perchloroethenyl-4-ethyny... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.11 | 3.13 ng | 351992 | Phenanthrene-d10 | 11.38 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | 1-Perchloroethenyl-4-ethynylbenzene | 230 | C10H5Cl3 | 1000283-76-9 | 89   |
| 2       |   | Naphthalene, 1,3,7-trichloro-       | 230 | C10H5Cl3 | 055720-37-1  | 53   |
| 3       |   | 1,6-Methano-1H-indene, 2,3,3a,4,... | 336 | C10H6Cl6 | 056641-38-4  | 50   |
| 4       |   | Naphthalene, 2,3,6-trichloro-       | 230 | C10H5Cl3 | 055720-40-6  | 49   |
| 5       |   | Benzaldehyde, 3-bromo-4-hydroxy-... | 230 | C8H7BrO3 | 002973-76-4  | 38   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

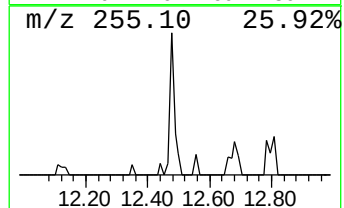
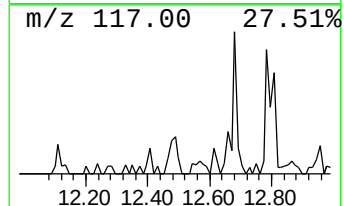
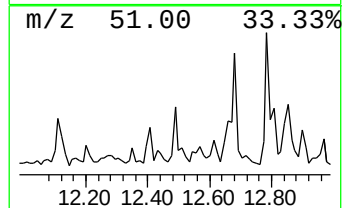
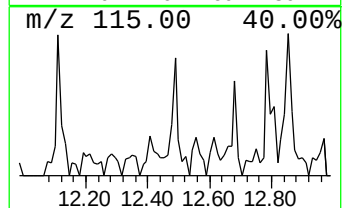
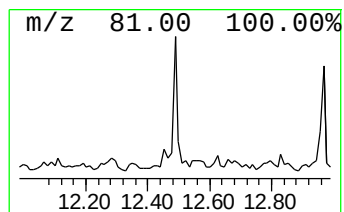
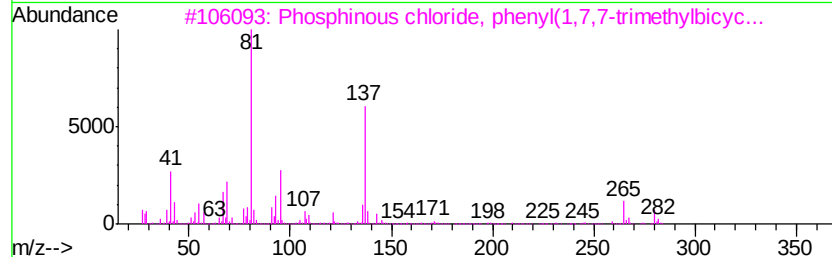
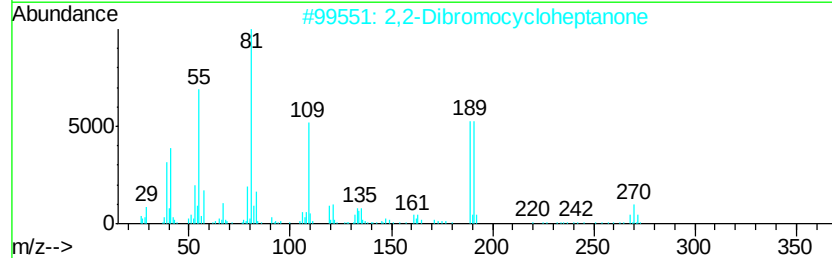
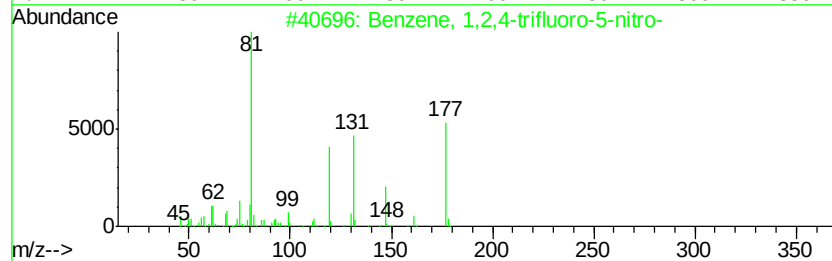
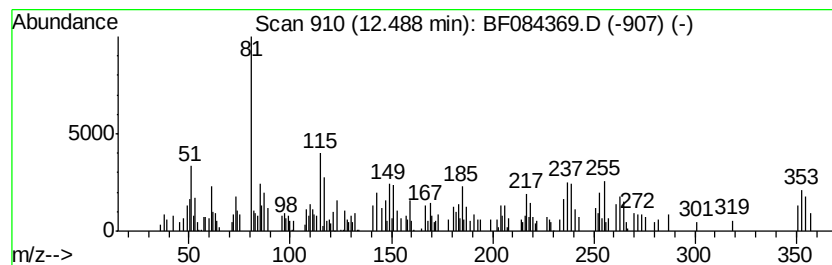
Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown12.49 Concentration Rank 16

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.49     | 2.62 ng                             | 293942 | Phenanthrene-d10 | 11.38        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Benzene, 1,2,4-trifluoro-5-nitro-   | 177    | C6H2F3NO2        | 002105-61-5  | 37   |
| 2         | 2,2-Dibromocycloheptanone           | 268    | C7H10Br2O        | 1000194-77-2 | 9    |
| 3         | Phosphinous chloride, phenyl(1,7... | 280    | C16H22ClP        | 074630-27-6  | 9    |
| 4         | Undec-10-ynoic acid (furan-2-ylm... | 261    | C16H23NO2        | 332167-72-3  | 9    |
| 5         | Propane, 1,2-dichloro-2-fluoro-     | 130    | C3H5Cl2F         | 000420-97-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

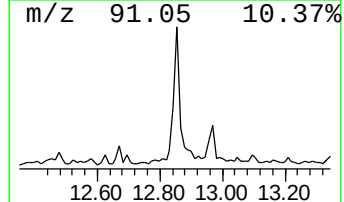
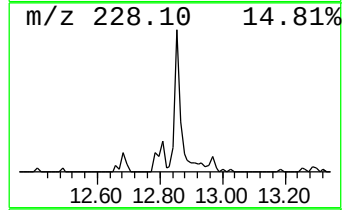
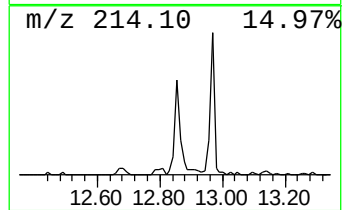
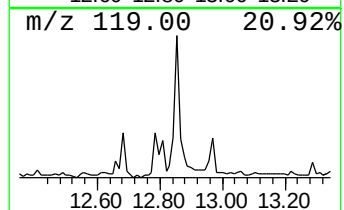
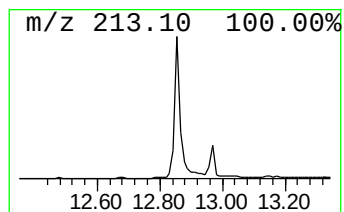
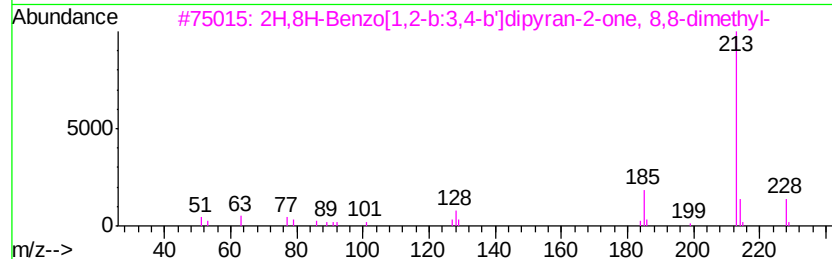
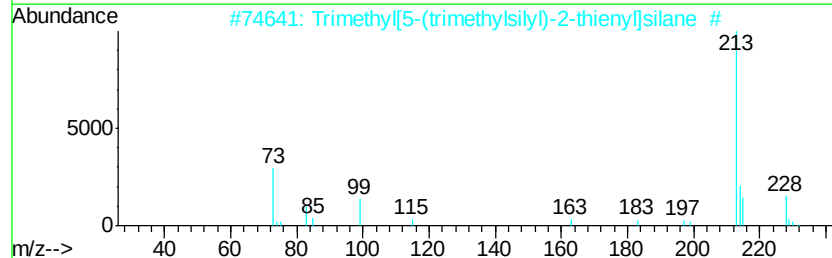
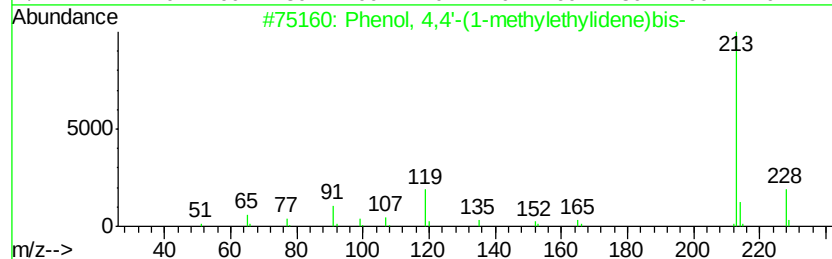
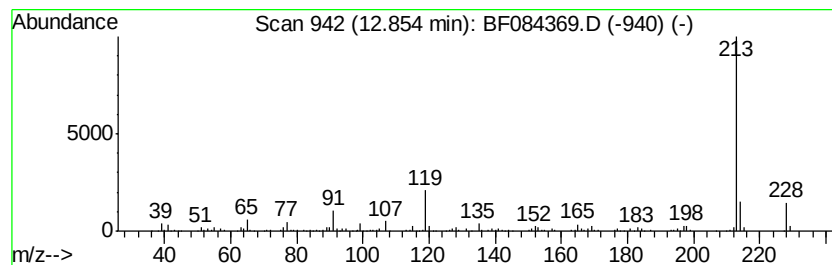
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Phenol, 4,4'-(1-methylethyl... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.85 | 5.75 ng | 449512 | Chrysene-d12     | 14.02 |

| Hit# of | 5 | Tentative ID                                  | MW  | MolForm     | CAS#        | Qual |
|---------|---|-----------------------------------------------|-----|-------------|-------------|------|
| 1       |   | Phenol, 4,4'-(1-methylethylidene)bis-         | 228 | C15H16O2    | 000080-05-7 | 97   |
| 2       |   | Trimethyl[5-(trimethylsilyl)-2-thienyl]silane | 228 | C10H20SSi2  | 017906-71-7 | 53   |
| 3       |   | 2H,8H-Benzo[1,2-b:3,4-b']dipyran...           | 228 | C14H12O3    | 000523-59-1 | 53   |
| 4       |   | Carbanilic acid, p-phenyl-                    | 213 | C13H11NO2   | 004474-53-7 | 49   |
| 5       |   | 2,4(1H,3H)-Pyrimidinedione, 1,3-...           | 228 | C9H16N2O3Si | 089447-84-7 | 42   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

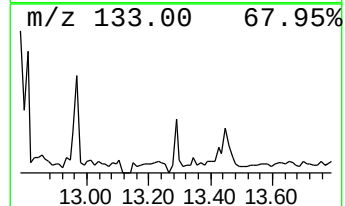
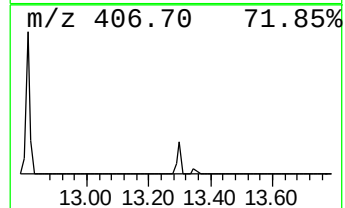
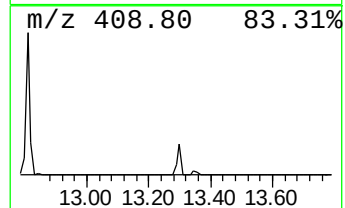
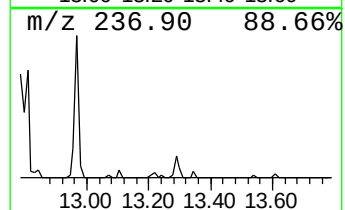
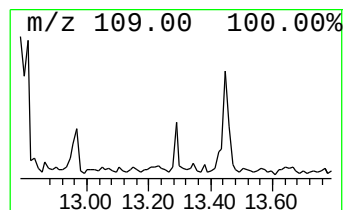
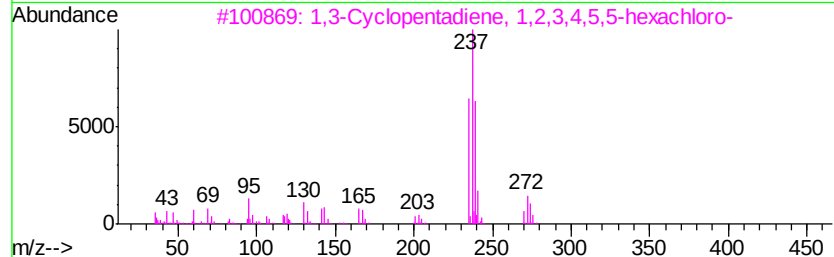
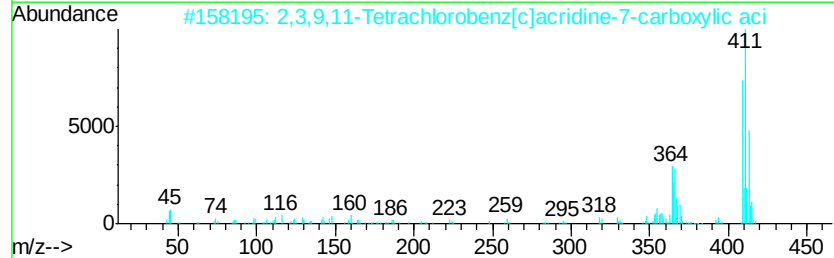
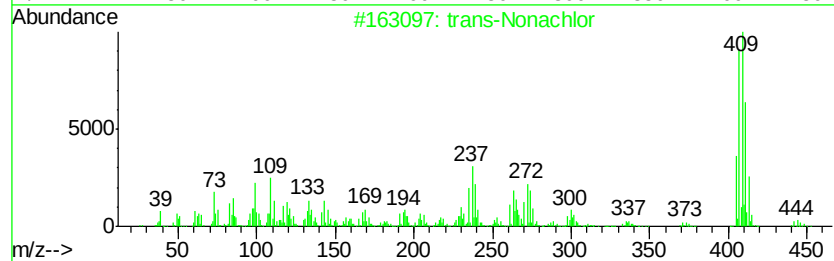
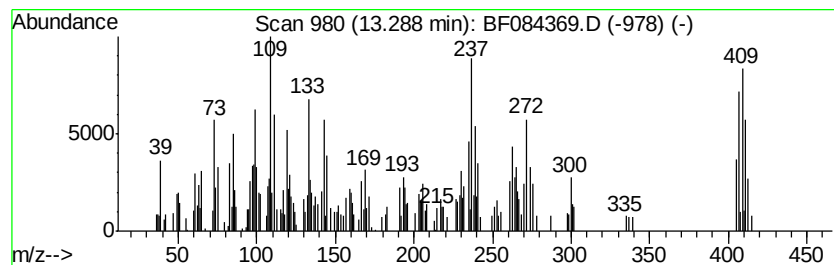
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ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 trans-Nonachlor Concentration Rank 20

| R.T.    | EstConc                             | Area         | Relative to ISTD  | R.T.           |
|---------|-------------------------------------|--------------|-------------------|----------------|
| 13.29   | 2.17 ng                             | 169435       | Chrysene-d12      | 14.02          |
| Hit# of | 5                                   | Tentative ID | MW MolForm        | CAS# Qual      |
| 1       | trans-Nonachlor                     |              | 440 C10H5Cl9      | 039765-80-5 94 |
| 2       | 2,3,9,11-Tetrachlorobenz[c]acrid... |              | 409 C18H7Cl4N02   | 034623-48-8 10 |
| 3       | 1,3-Cyclopentadiene, 1,2,3,4,5,5... |              | 270 C5Cl6         | 000077-47-4 10 |
| 4       | 10-Ethyl-3-chloro-7-(N-p-nitro-b... |              | 409 C21H16ClN3O2S | 1000074-50-8 9 |
| 5       | 1-Methyl-1H-pyrazole-4-carboxyli... |              | 272 C14H16N4O2    | 1000295-07-8 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
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Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

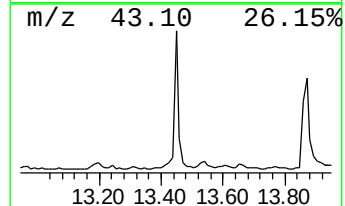
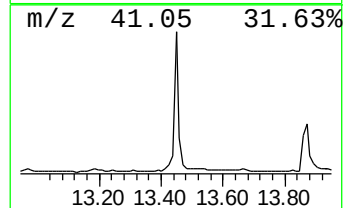
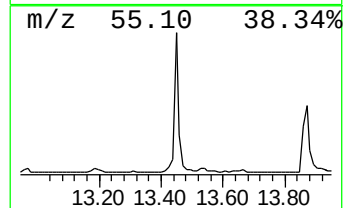
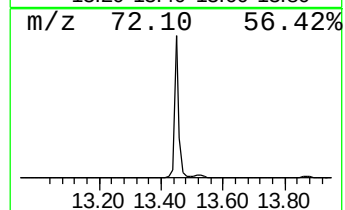
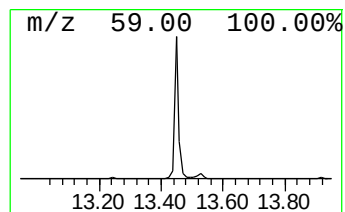
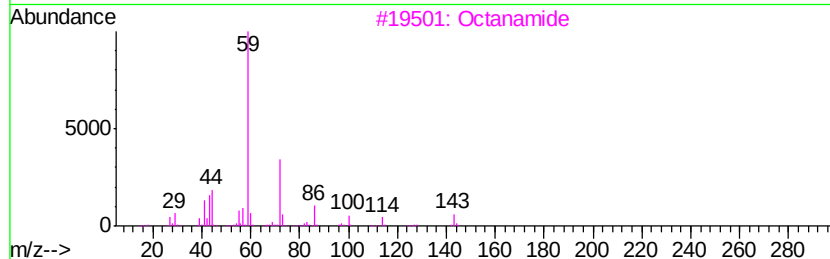
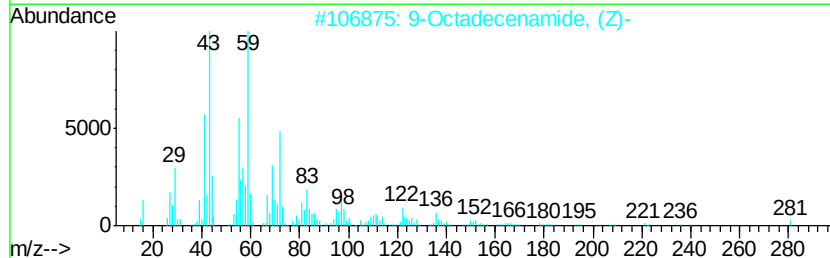
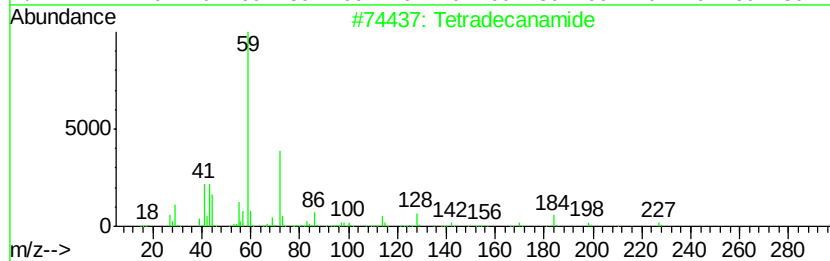
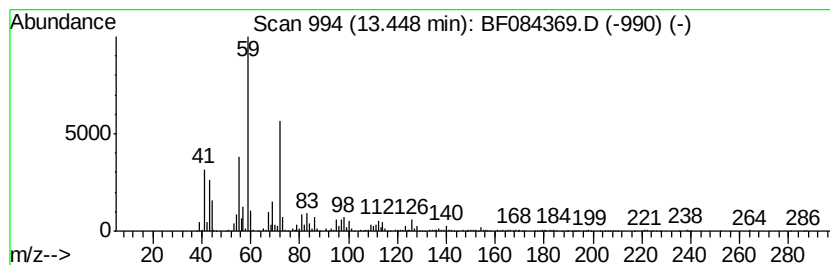
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BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Tetradecanamide Concentration Rank 4

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.            |
|---------|----------|-------------------------------------|------------------|-----------------|
| 13.45   | 19.12 ng | 1493890                             | Chrysene-d12     | 14.02           |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |          | Tetradecanamide                     | 227 C14H29NO     | 000638-58-4 56  |
| 2       |          | 9-Octadecenamide, (Z)-              | 281 C18H35NO     | 000301-02-0 56  |
| 3       |          | Octanamide                          | 143 C8H17NO      | 000629-01-6 53  |
| 4       |          | Silane, hexyl-                      | 116 C6H16Si      | 001072-14-6 47  |
| 5       |          | 2,2-Dimethyl-tetrahydro-[1,3]dio... | 190 C8H14O5      | 1000194-40-4 47 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

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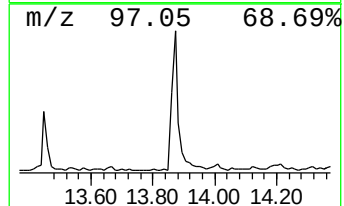
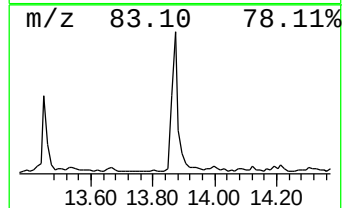
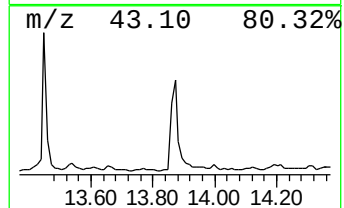
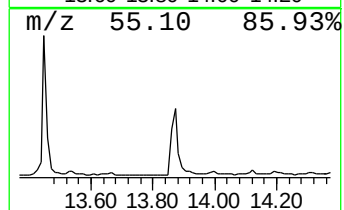
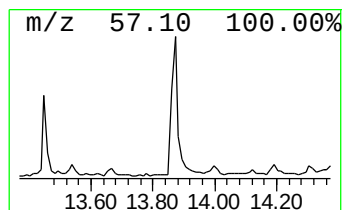
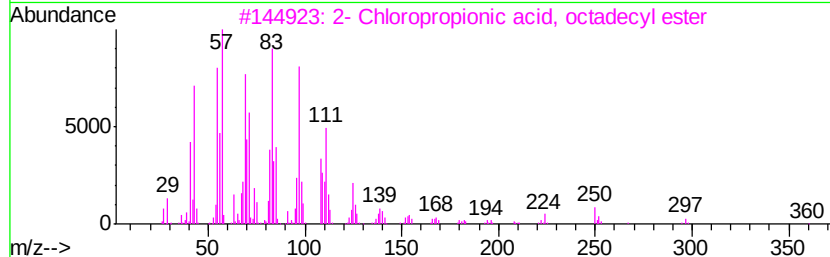
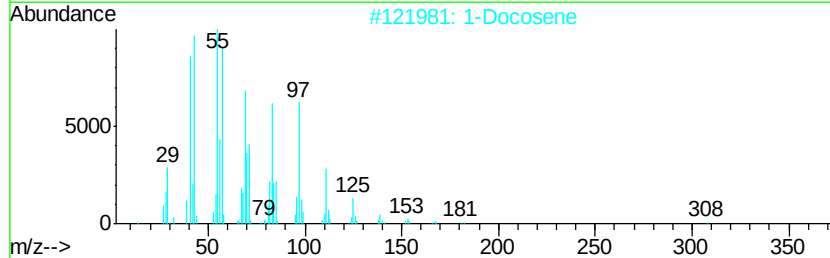
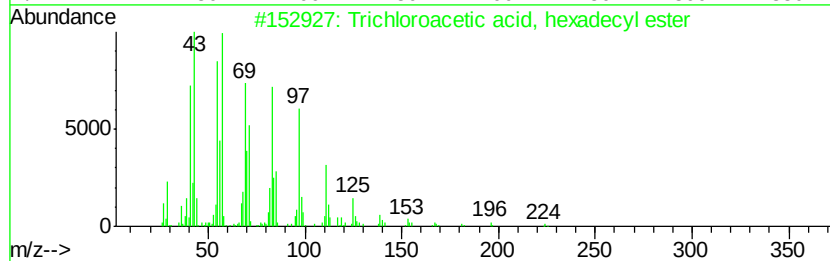
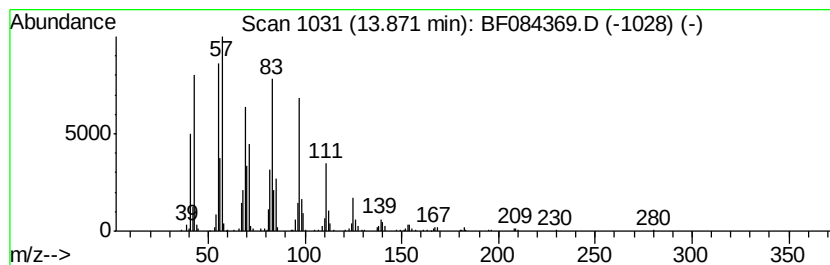
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Trichloroacetic acid, hexad... Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.87 | 10.50 ng | 819820 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 2    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 91   |
| 3    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8 | 91   |
| 4    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1 | 91   |
| 5    |    | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2  | 086711-81-1 | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

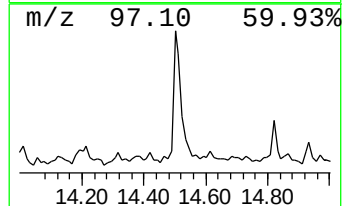
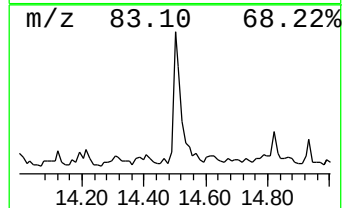
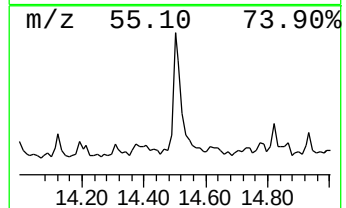
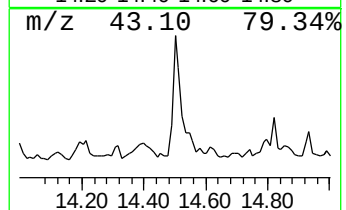
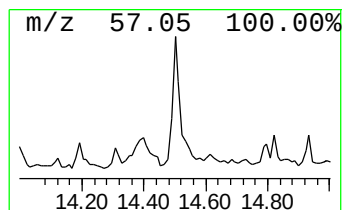
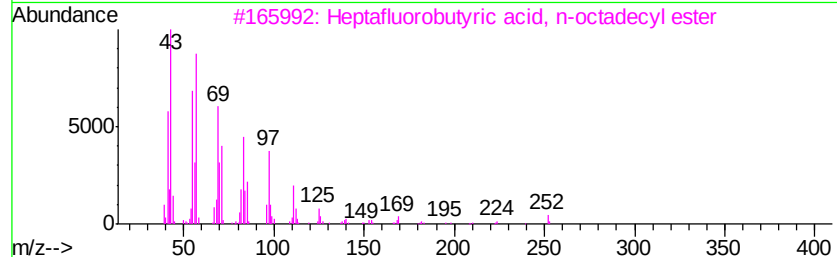
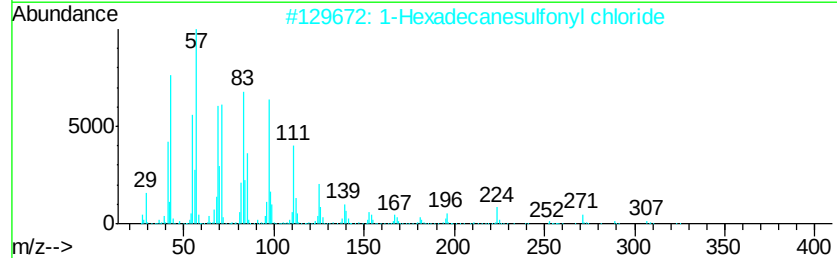
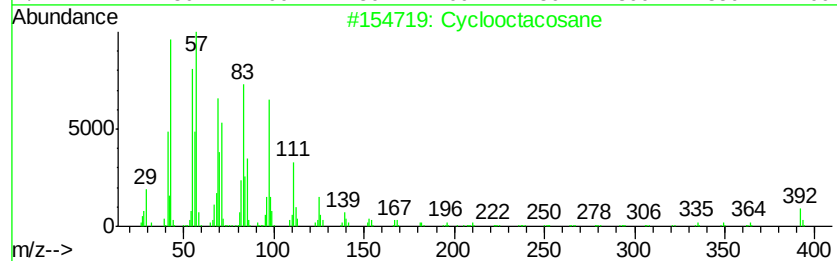
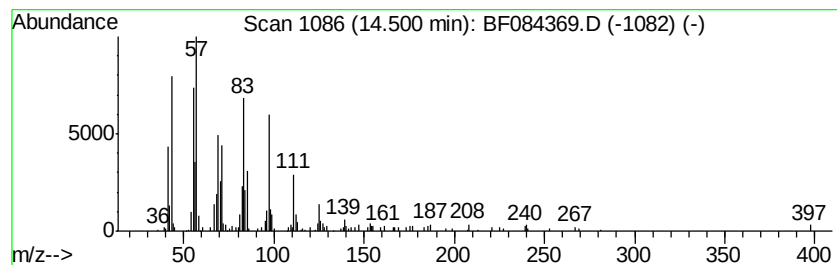
Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Cyclooctacosane Concentration Rank 8

| R.T.    | EstConc | Area                                              | Relative to ISTD | R.T.            |
|---------|---------|---------------------------------------------------|------------------|-----------------|
| 14.50   | 6.02 ng | 470503                                            | Chrysene-d12     | 14.02           |
| Hit# of | 5       | Tentative ID                                      | MW MolForm       | CAS# Qual       |
| 1       |         | Cyclooctacosane                                   | 392 C28H56       | 000297-24-5 91  |
| 2       |         | 1-Hexadecanesulfonyl chloride                     | 324 C16H33ClO2S  | 038775-38-1 91  |
| 3       |         | Heptafluorobutyric acid, n-octadecyl ester        | 466 C22H37F7O2   | 000400-57-7 91  |
| 4       |         | 1-Tricosene                                       | 322 C23H46       | 018835-32-0 91  |
| 5       |         | Pentafluoropropionic acid, heptafluorobutyl ester | 402 C20H35F5O2   | 1000283-04-2 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

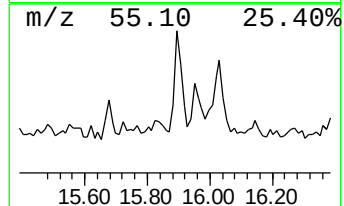
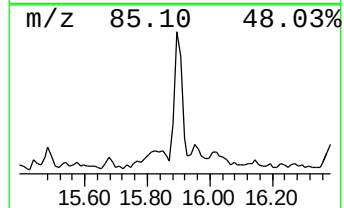
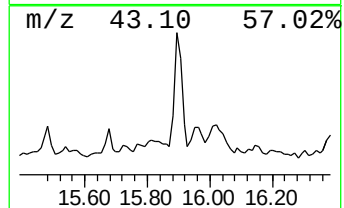
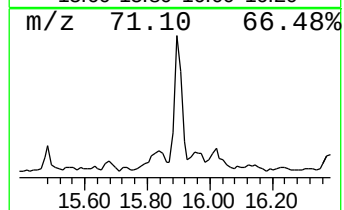
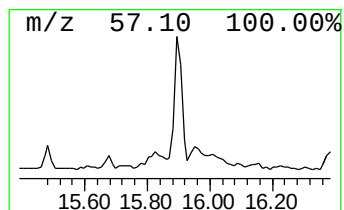
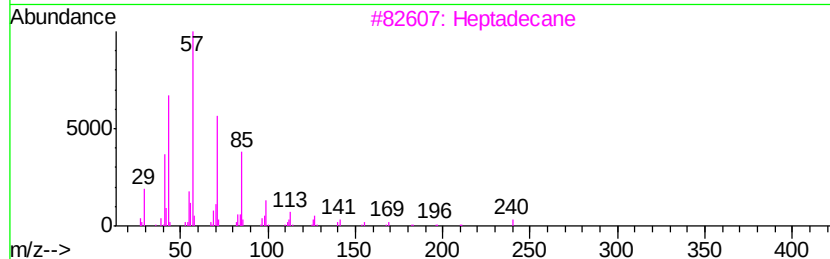
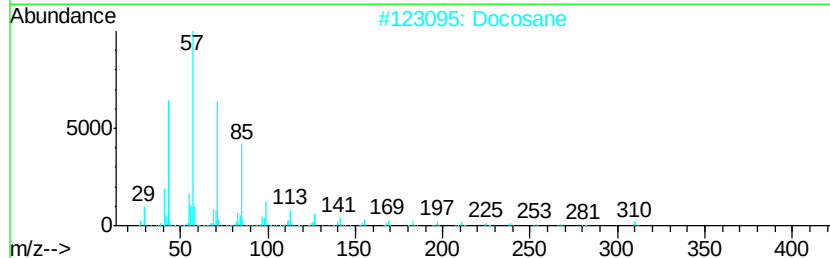
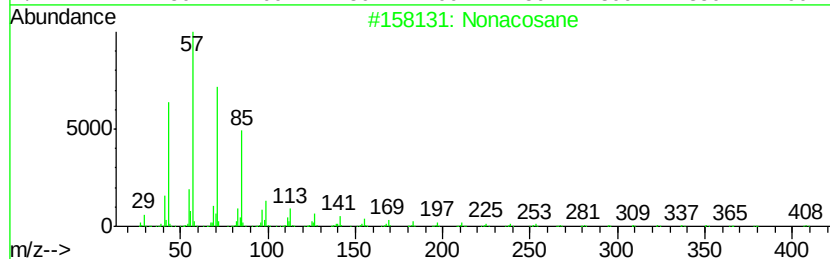
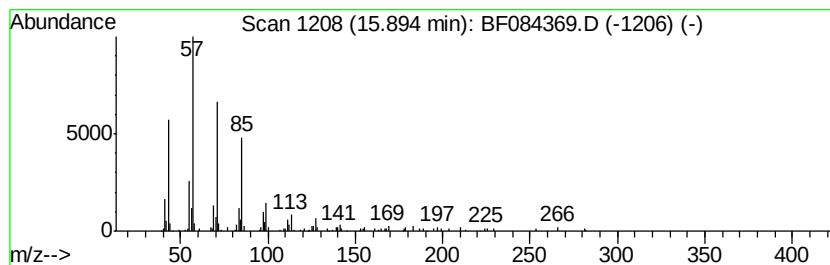
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Nonacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.89 | 3.20 ng | 202336 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Nonacosane   | 408 | C29H60  | 000630-03-5 | 87   |
| 2    |    | Docosane     | 310 | C22H46  | 000629-97-0 | 87   |
| 3    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 87   |
| 4    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 87   |
| 5    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

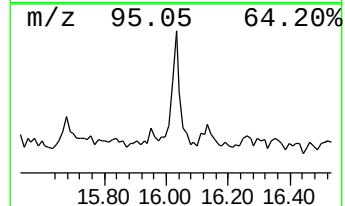
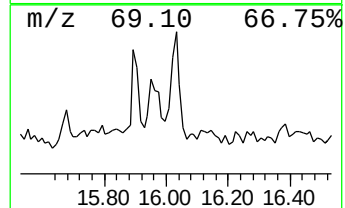
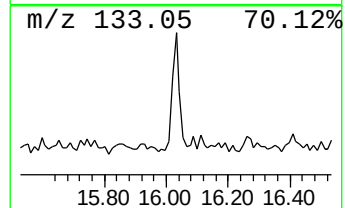
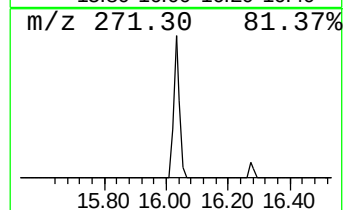
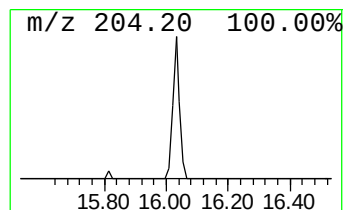
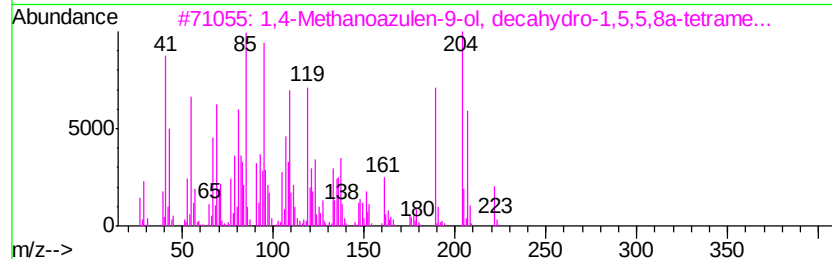
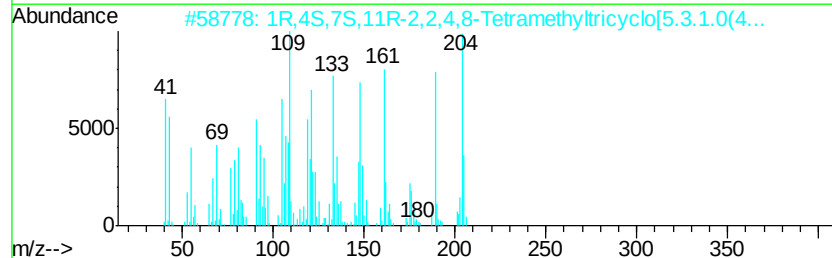
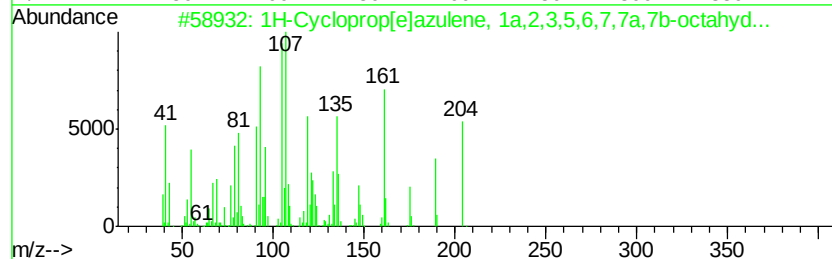
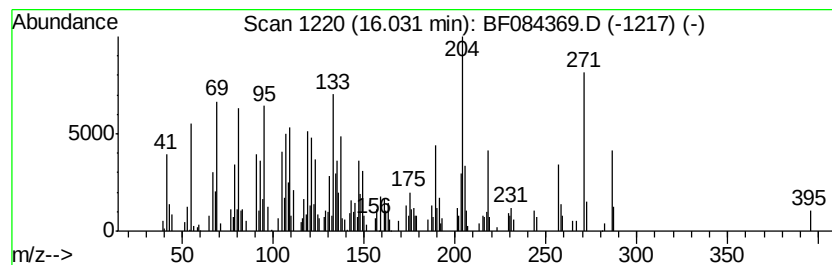
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 unknown16.03 Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.03 | 4.33 ng | 273514 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1H-Cycloprop[elazulene, 1a,2,3,5... | 204 | C15H24  | 021747-46-6  | 42   |
| 2    |    | 1R,4S,7S,11R-2,2,4,8-Tetramethyl... | 204 | C15H24  | 1000140-07-6 | 38   |
| 3    |    | 1,4-Methanoazulen-9-ol, decahydr... | 222 | C15H26O | 000465-24-7  | 30   |
| 4    |    | Thuiopsene                          | 204 | C15H24  | 000470-40-6  | 30   |
| 5    |    | 5-Androstene, 4,4-dimethyl-         | 286 | C21H34  | 1000194-15-4 | 30   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

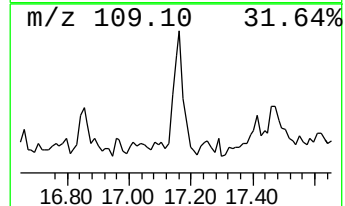
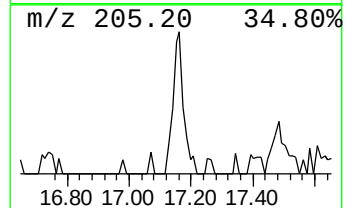
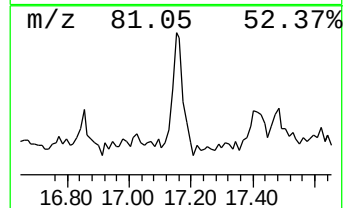
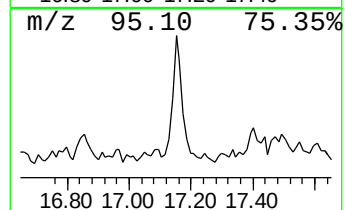
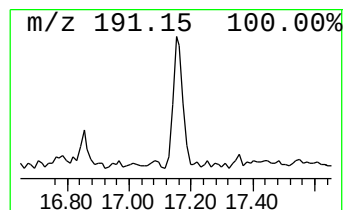
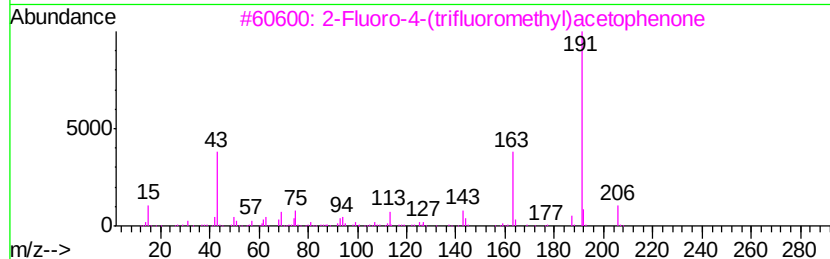
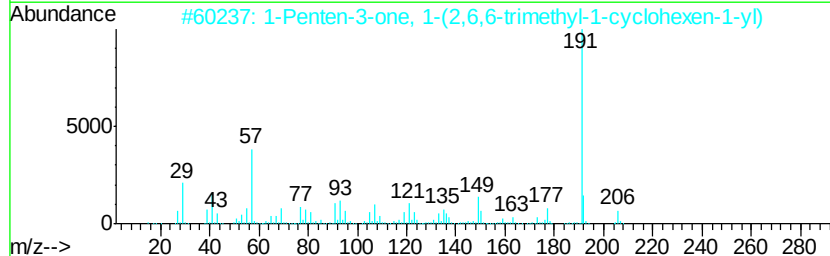
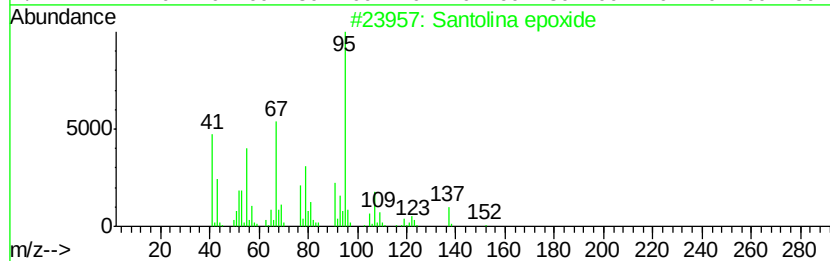
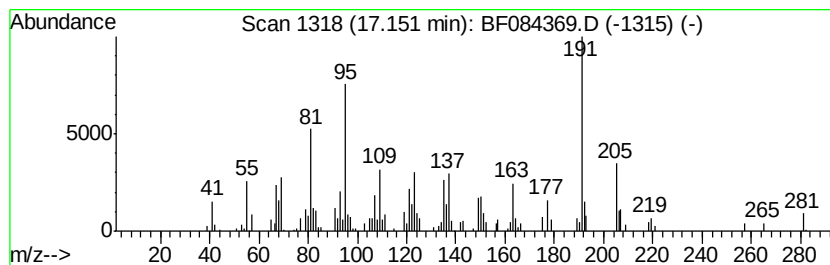
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 unknown17.15 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.15 | 3.32 ng | 209362 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Santolina epoxide                   | 152 | C10H16O | 060485-45-2 | 38   |
| 2    |    | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5 | 30   |
| 3    |    | 2-Fluoro-4-(trifluoromethyl)acet... | 206 | C9H6F4O | 122023-29-4 | 27   |
| 4    |    | 3-Buten-2-one, 4-(2,5,6,6-tetram... | 206 | C14H22O | 000079-70-9 | 27   |
| 5    |    | Phenol, 2,4-bis(1,1-dimethylethyl)- | 206 | C14H22O | 000096-76-4 | 25   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084369.D  
Acq On : 10 Jan 2016 17:17  
Operator : SJ/UM  
Sample : H1035-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

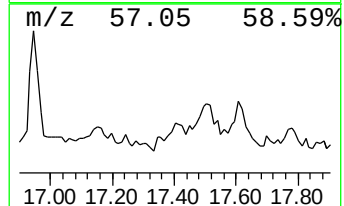
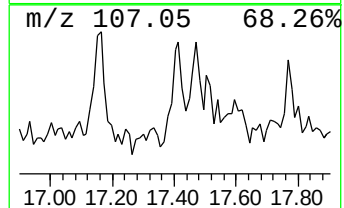
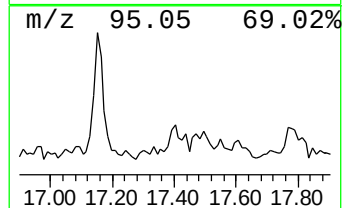
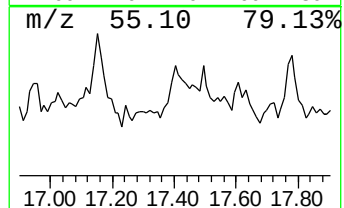
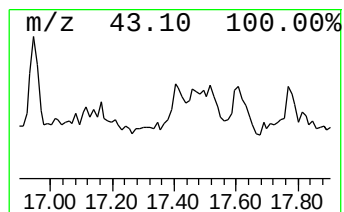
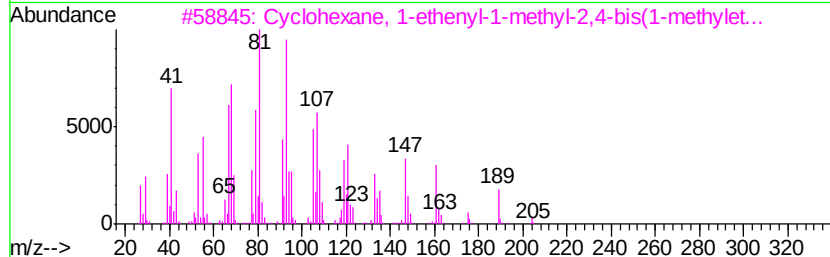
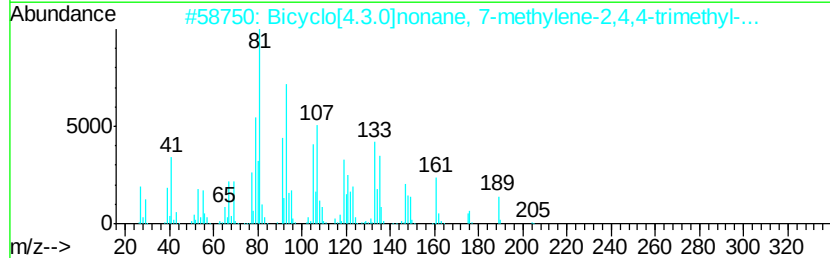
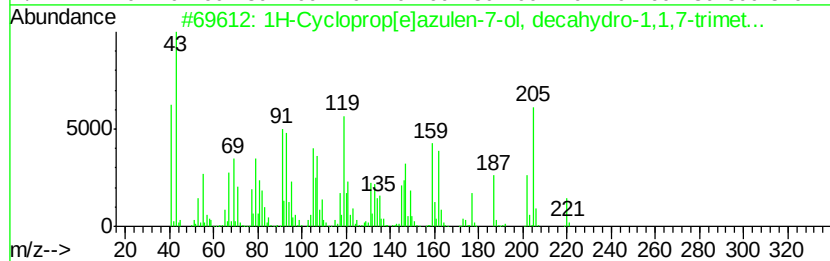
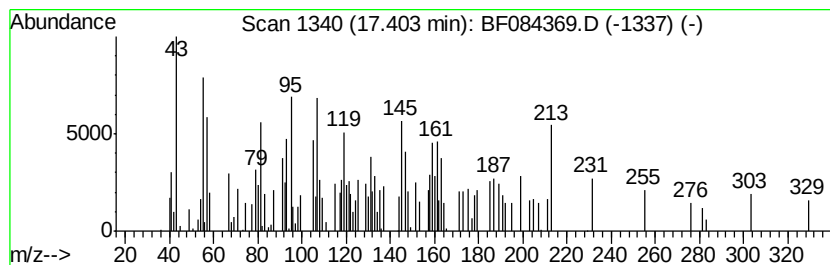
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown17.40 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.40 | 2.29 ng | 144630 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 1H-Cycloprop[elazulen-7-ol, deca... | 220 | C15H24O  | 006750-60-3  | 38   |
| 2    |    | Bicyclo[4.3.0]nonane, 7-methylen... | 204 | C15H24   | 1000156-11-9 | 27   |
| 3    |    | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24   | 000515-13-9  | 22   |
| 4    |    | trans-Acrylic acid, 3[(3-(2,2-di... | 222 | C14H22O2 | 1000061-89-6 | 12   |
| 5    |    | Ethinyl Estradiol                   | 296 | C20H24O2 | 000057-63-6  | 12   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
 Data File : BF084369.D  
 Acq On : 10 Jan 2016 17:17  
 Operator : SJ/UM  
 Sample : H1035-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HAZ-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.04  | 18.7    | ng    | 1552940  | 1                     | 6.85  | 1658370 | 20.0 |
| unknown6.62          | 6.62  | 60.2    | ng    | 4990360  | 1                     | 6.85  | 1658370 | 20.0 |
| Naphthalene, 1,2,... | 10.02 | 2.5     | ng    | 313000   | 3                     | 9.89  | 2460890 | 20.0 |
| Hexadecane           | 10.81 | 2.3     | ng    | 256382   | 4                     | 11.38 | 2246540 | 20.0 |
| 1-Perchloroetheny... | 12.11 | 3.1     | ng    | 351992   | 4                     | 11.38 | 2246540 | 20.0 |
| unknown12.49         | 12.49 | 2.6     | ng    | 293942   | 4                     | 11.38 | 2246540 | 20.0 |
| Phenol, 4,4'-(1-m... | 12.85 | 5.8     | ng    | 449512   | 5                     | 14.02 | 1562290 | 20.0 |
| trans-Nonachlor      | 13.29 | 2.2     | ng    | 169435   | 5                     | 14.02 | 1562290 | 20.0 |
| Tetradecanamide      | 13.45 | 19.1    | ng    | 1493890  | 5                     | 14.02 | 1562290 | 20.0 |
| Trichloroacetic a... | 13.87 | 10.5    | ng    | 819820   | 5                     | 14.02 | 1562290 | 20.0 |
| Cyclooctacosane      | 14.50 | 6.0     | ng    | 470503   | 5                     | 14.02 | 1562290 | 20.0 |
| Nonacosane           | 15.89 | 3.2     | ng    | 202336   | 6                     | 15.45 | 1262780 | 20.0 |
| unknown16.03         | 16.03 | 4.3     | ng    | 273514   | 6                     | 15.45 | 1262780 | 20.0 |
| unknown17.15         | 17.15 | 3.3     | ng    | 209362   | 6                     | 15.45 | 1262780 | 20.0 |
| unknown17.40         | 17.40 | 2.3     | ng    | 144630   | 6                     | 15.45 | 1262780 | 20.0 |