

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
 Data File : BF120738.D  
 Acq On : 29 Jun 2020 20:14  
 Operator : JU/CG  
 Sample : L3128-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 78-64

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-BF061020.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         | 3.793       | 278           | 290         | 297          | rBV      | 1489463        | 2127747       | 73.06%          | 10.076%       |
| 2         | 5.481       | 573           | 577         | 588          | rBV      | 2230179        | 2085292       | 71.60%          | 9.875%        |
| 3         | 6.510       | 747           | 752         | 755          | rBV      | 2815535        | 2566415       | 88.12%          | 12.154%       |
| 4         | 6.798       | 797           | 801         | 806          | rVB      | 935270         | 742785        | 25.50%          | 3.518%        |
| 5         | 6.957       | 823           | 828         | 831          | rBV      | 2741919        | 2365095       | 81.21%          | 11.200%       |
| 6         | 7.363       | 892           | 897         | 900          | rBV      | 1977149        | 1737239       | 59.65%          | 8.227%        |
| 7         | 8.081       | 1015          | 1019        | 1022         | rBV      | 1045338        | 841053        | 28.88%          | 3.983%        |
| 8         | 8.369       | 1064          | 1068        | 1070         | rBV4     | 56416          | 67699         | 2.32%           | 0.321%        |
| 9         | 8.539       | 1095          | 1097        | 1100         | rVB3     | 98644          | 89249         | 3.06%           | 0.423%        |
| 10        | 8.616       | 1106          | 1110        | 1115         | rBV7     | 100940         | 218968        | 7.52%           | 1.037%        |
| 11        | 8.704       | 1122          | 1125        | 1128         | rBV5     | 94759          | 156702        | 5.38%           | 0.742%        |
| 12        | 8.763       | 1132          | 1135        | 1139         | rVV5     | 124282         | 208701        | 7.17%           | 0.988%        |
| 13        | 8.822       | 1142          | 1145        | 1147         | rBV2     | 195331         | 197018        | 6.76%           | 0.933%        |
| 14        | 8.957       | 1165          | 1168        | 1171         | rBV3     | 222454         | 315832        | 10.84%          | 1.496%        |
| 15        | 9.069       | 1185          | 1187        | 1190         | rBV3     | 295815         | 331596        | 11.39%          | 1.570%        |
| 16        | 9.157       | 1198          | 1202        | 1206         | rBV      | 2985163        | 2912378       | 100.00%         | 13.792%       |
| 17        | 9.234       | 1212          | 1215        | 1220         | rBV4     | 535206         | 1059190       | 36.37%          | 5.016%        |
| 18        | 14.457      | 2099          | 2103        | 2109         | rVB2     | 1251081        | 1467589       | 50.39%          | 6.950%        |
| 19        | 14.998      | 2192          | 2195        | 2202         | rVB      | 139944         | 226522        | 7.78%           | 1.073%        |
| 20        | 15.057      | 2202          | 2205        | 2207         | rVB      | 76666          | 75095         | 2.58%           | 0.356%        |
| 21        | 15.292      | 2242          | 2245        | 2251         | rVB      | 97595          | 129355        | 4.44%           | 0.613%        |
| 22        | 15.351      | 2252          | 2255        | 2260         | rVV      | 138281         | 174736        | 6.00%           | 0.827%        |
| 23        | 15.415      | 2262          | 2266        | 2278         | rVB      | 392791         | 552428        | 18.97%          | 2.616%        |
| 24        | 15.845      | 2336          | 2339        | 2343         | rVB      | 70670          | 89617         | 3.08%           | 0.424%        |
| 25        | 15.898      | 2345          | 2348        | 2355         | rVB4     | 84350          | 137594        | 4.72%           | 0.652%        |
| 26        | 17.474      | 2611          | 2616        | 2625         | rVB10    | 105644         | 240267        | 8.25%           | 1.138%        |

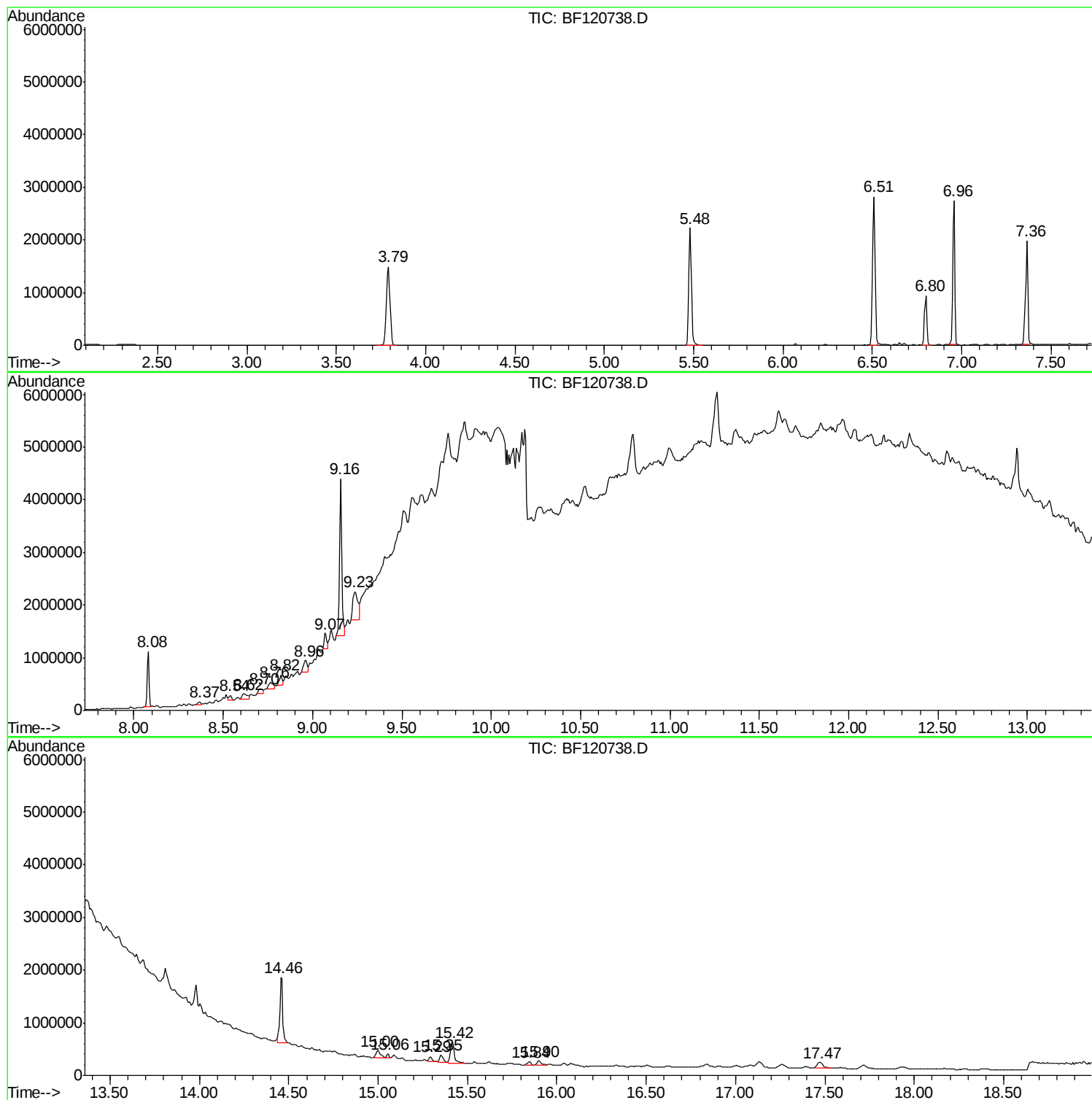
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ALS Vial : 15 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.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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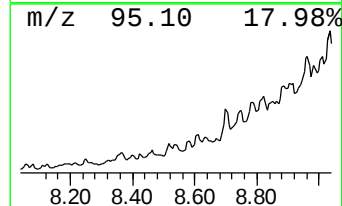
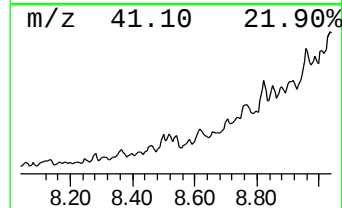
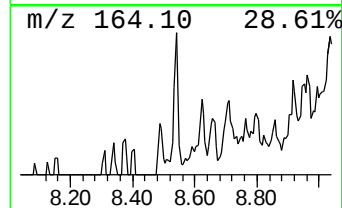
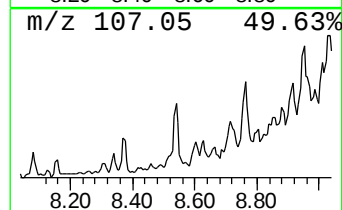
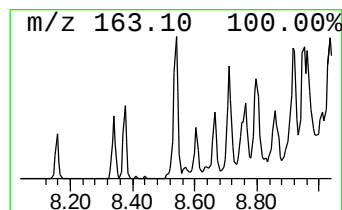
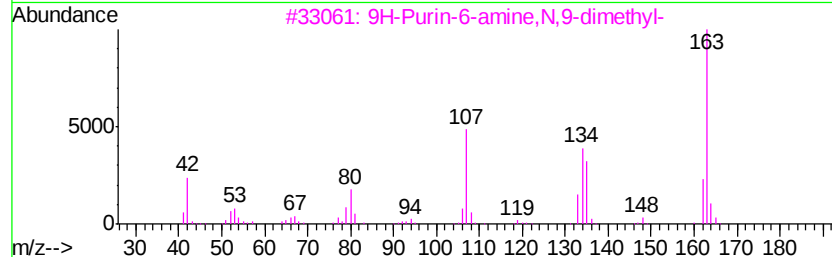
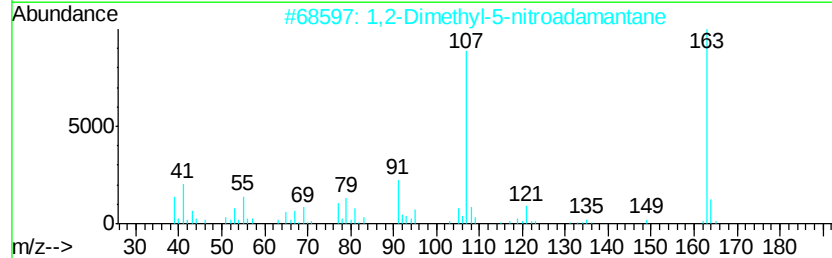
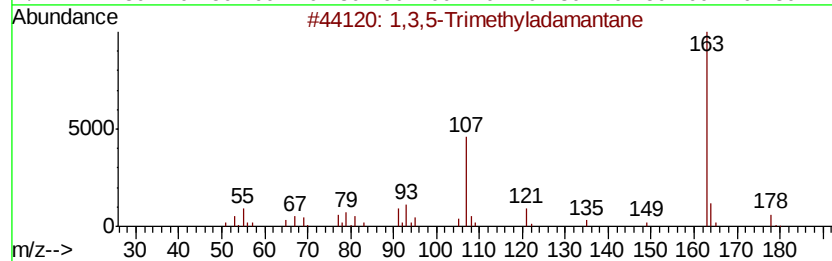
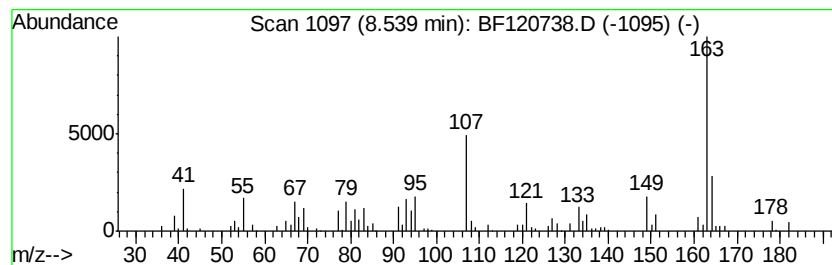
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 1,3,5-Trimethyladamantane Concentration Rank 15

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.54 | 2.12 ng | 89249 | Naphthalene-d8   | 8.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1,3,5-Trimethyladamantane           | 178 | C13H22    | 000707-35-7 | 64   |
| 2    |    | 1,2-Dimethyl-5-nitroadamantane      | 209 | C12H19NO2 | 006588-68-7 | 53   |
| 3    |    | 9H-Purin-6-amine, N,9-dimethyl-     | 163 | C7H9N5    | 002009-52-1 | 50   |
| 4    |    | 2-Propenal, 3-(2,6,6-trimethyl-1... | 178 | C12H18O   | 004951-40-0 | 49   |
| 5    |    | 1,3-Dimethyl-5-ethyladamantane      | 192 | C14H24    | 001687-35-0 | 45   |



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BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

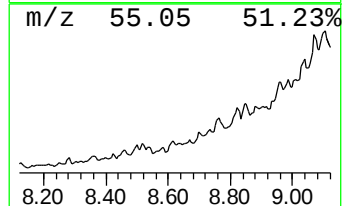
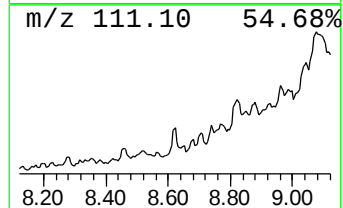
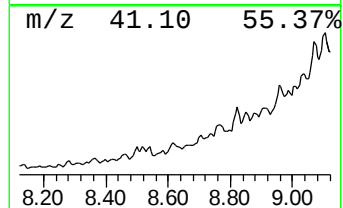
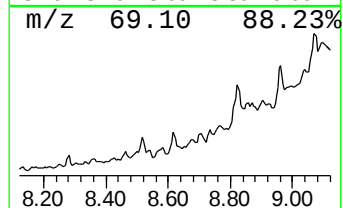
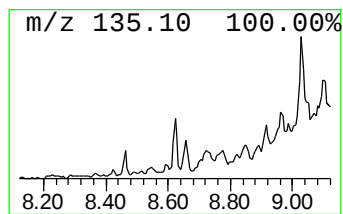
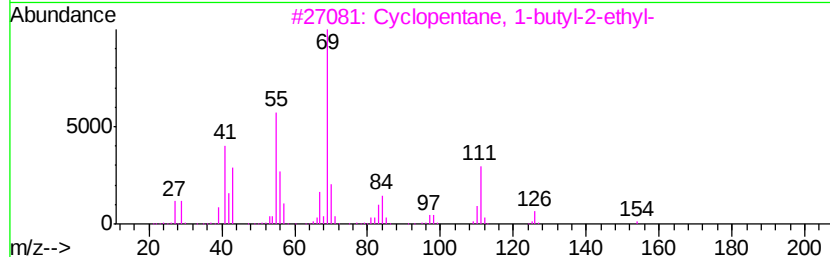
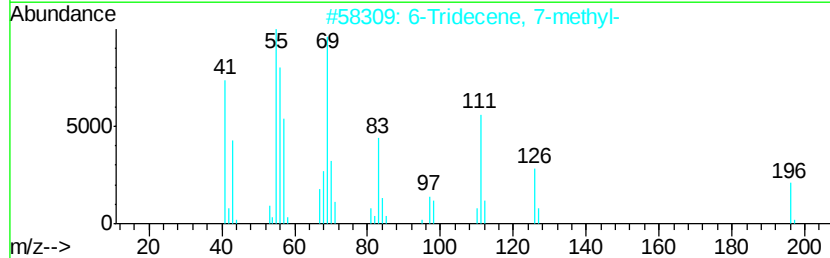
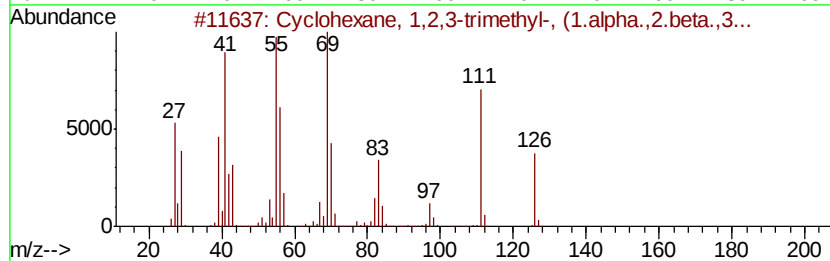
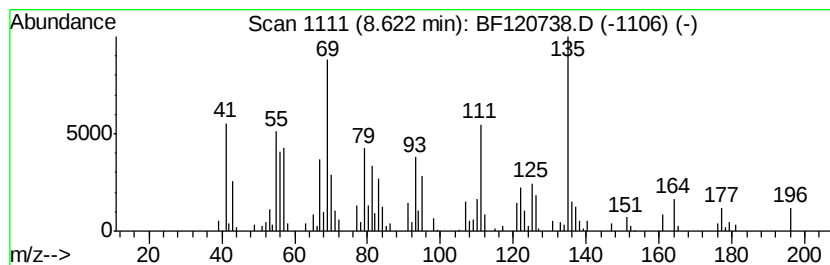
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclohexane, 1,2,3-trimethy... Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.62 | 5.21 ng | 218968 | Naphthalene-d8   | 8.08 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2,3-trimethyl-, (...) | 126 | C9H18   | 001678-81-5 | 62   |
| 2    |    | 6-Tridecene, 7-methyl-               | 196 | C14H28  | 024949-42-6 | 50   |
| 3    |    | Cyclopentane, 1-butyl-2-ethyl-       | 154 | C11H22  | 072993-32-9 | 49   |
| 4    |    | 3-Heptene, 2,6-dimethyl-             | 126 | C9H18   | 002738-18-3 | 49   |
| 5    |    | Cyclohexane, 1,1,2-trimethyl-        | 126 | C9H18   | 007094-26-0 | 47   |



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Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

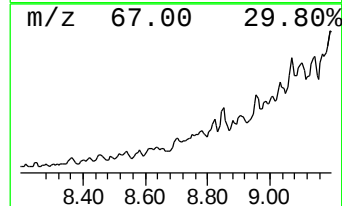
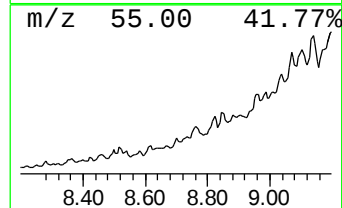
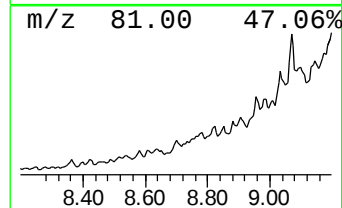
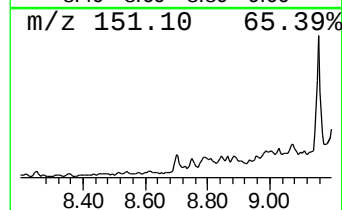
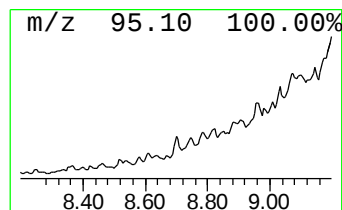
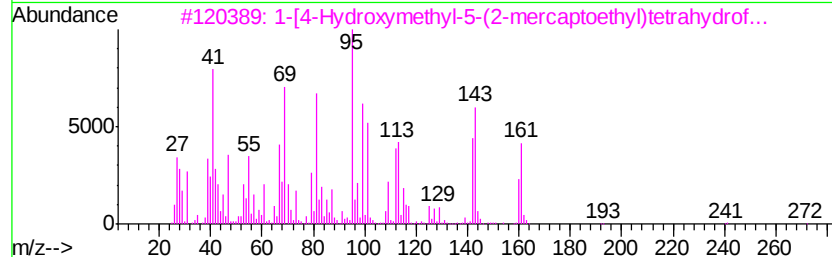
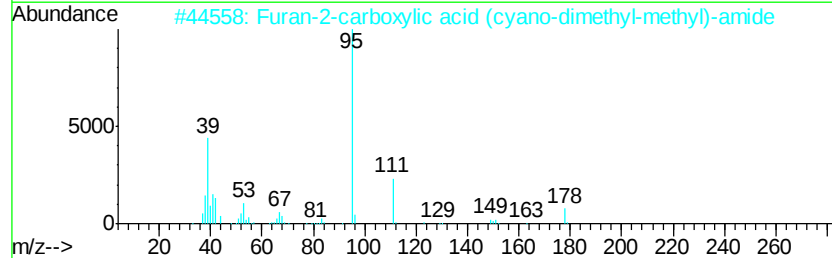
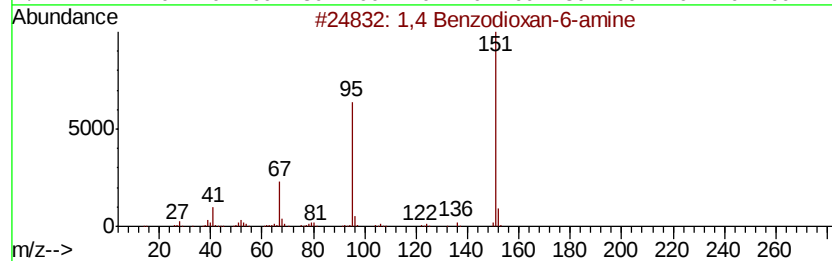
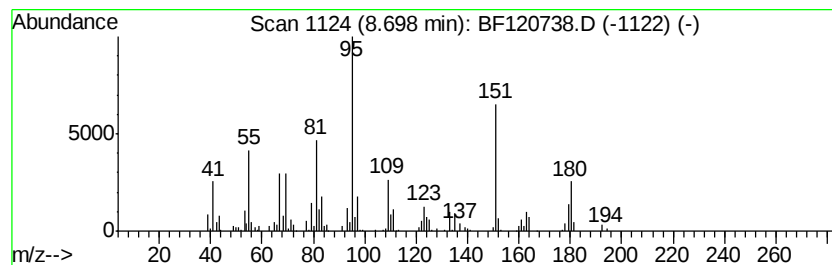
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown8.70 Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.70 | 3.73 ng | 156702 | Naphthalene-d8   | 8.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------------|--------------|------|
| 1    | 5  | 1,4 Benzodioxan-6-amine             | 151 | C8H9NO2       | 022013-33-8  | 35   |
| 2    |    | Furan-2-carboxylic acid (cyano-d... | 178 | C9H10N2O2     | 1000297-46-7 | 30   |
| 3    |    | 1-[4-Hydroxymethyl-5-(2-mercapto... | 272 | C11H16N2O4S   | 128453-39-4  | 27   |
| 4    |    | 5,7-Octadien-4-one, 2,6-dimethyl... | 152 | C10H16O       | 003588-18-9  | 18   |
| 5    |    | N'-[3,5-Dibromo-2-(2-furoyloxy)b... | 534 | C21H16Br2N2O5 | 1000225-91-9 | 14   |



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ALS Vial : 15 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

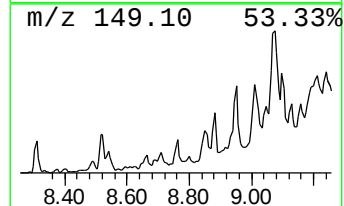
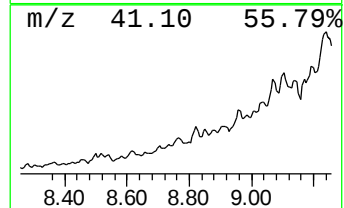
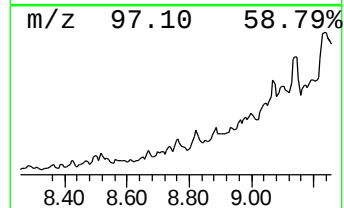
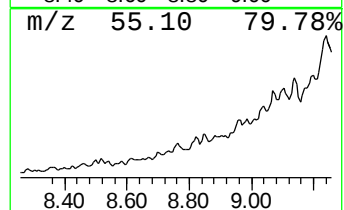
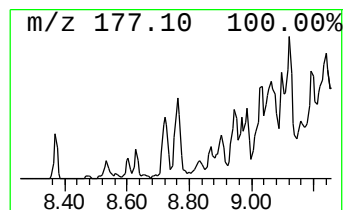
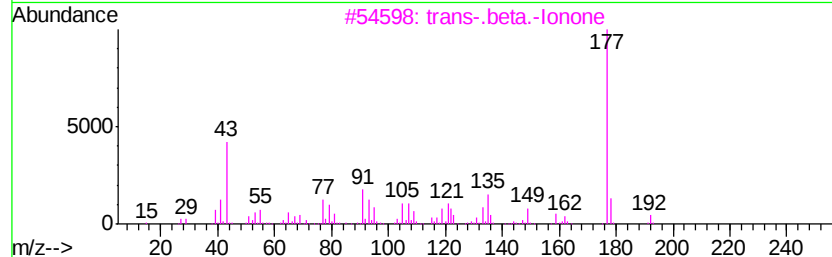
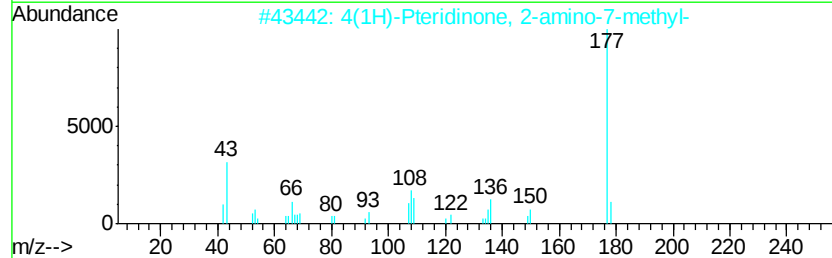
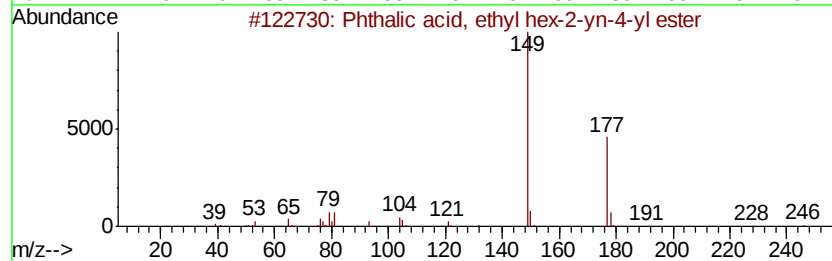
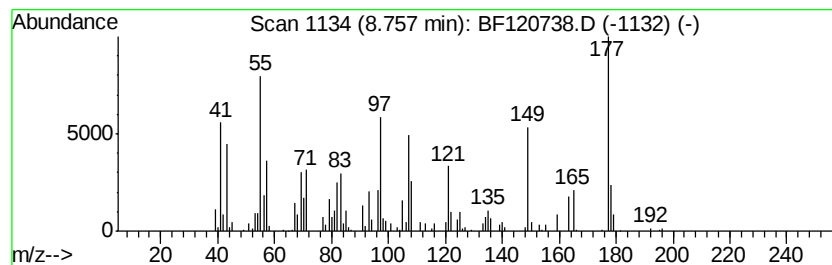
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown8.76 Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.76 | 4.96 ng | 208701 | Naphthalene-d8   | 8.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phthalic acid, ethyl hex-2-yn-4-... | 274 | C16H18O4 | 1000315-19-0 | 27   |
| 2    |    | 4(1H)-Pteridinone, 2-amino-7-met... | 177 | C7H7N5O  | 013040-58-9  | 22   |
| 3    |    | trans-.beta.-Ionone                 | 192 | C13H20O  | 000079-77-6  | 22   |
| 4    |    | 3-Buten-2-one, 4-(2,6,6-trimethy... | 192 | C13H20O  | 014901-07-6  | 22   |
| 5    |    | 1-Naphthalenamine, 4-chloro-        | 177 | C10H8ClN | 004684-12-2  | 16   |



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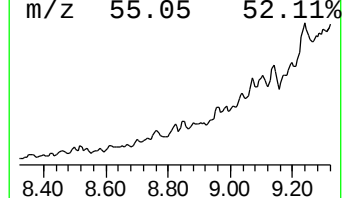
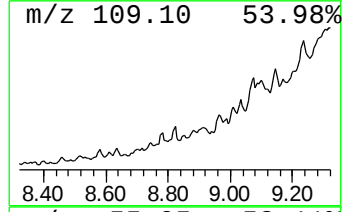
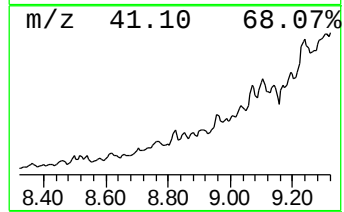
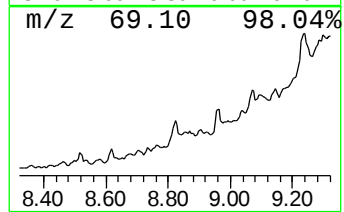
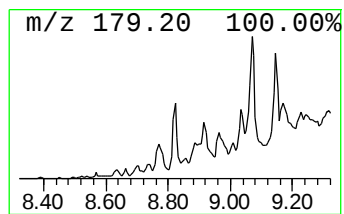
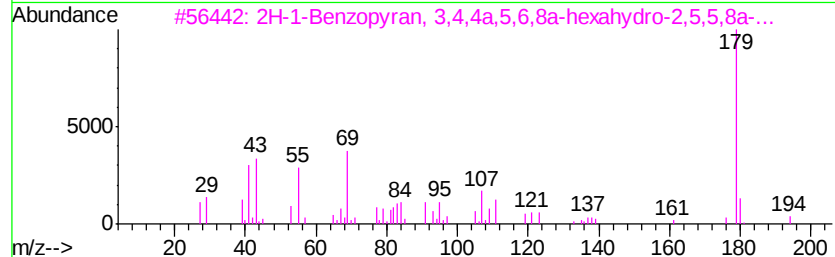
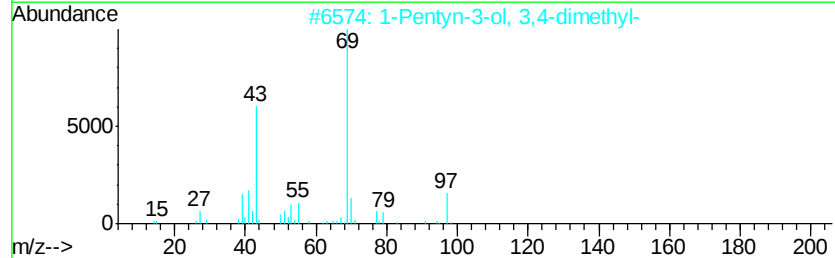
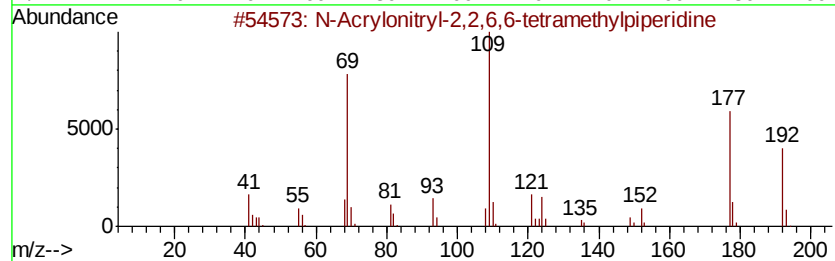
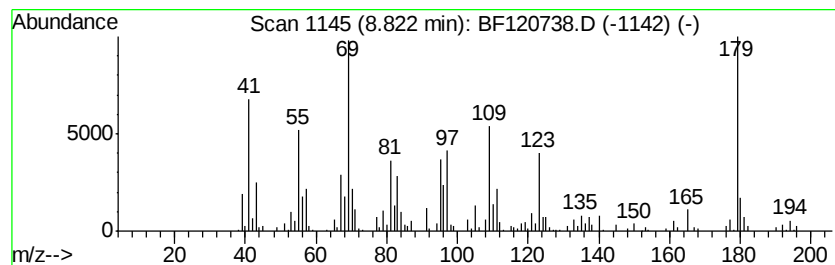
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown8.82 Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.82 | 4.69 ng | 197018 | Naphthalene-d8   | 8.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | N-Acrylonitril-2,2,6,6-tetrameth... | 192 | C12H20N2 | 077376-88-6 | 22   |
| 2    |    | 1-Pentyn-3-ol, 3,4-dimethyl-        | 112 | C7H12O   | 001482-15-1 | 22   |
| 3    |    | 2H-1-Benzopyran, 3,4,4a,5,6,8a-h... | 194 | C13H22O  | 041678-32-4 | 18   |
| 4    |    | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O   | 085136-08-9 | 18   |
| 5    |    | 3-Ethyl-4-octene                    | 140 | C10H20   | 019781-32-9 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

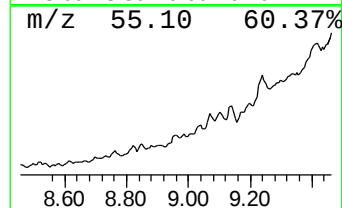
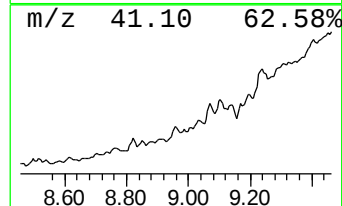
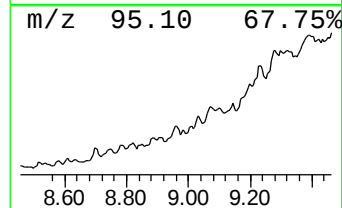
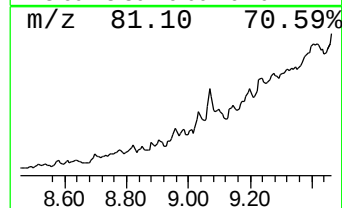
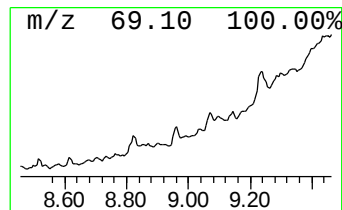
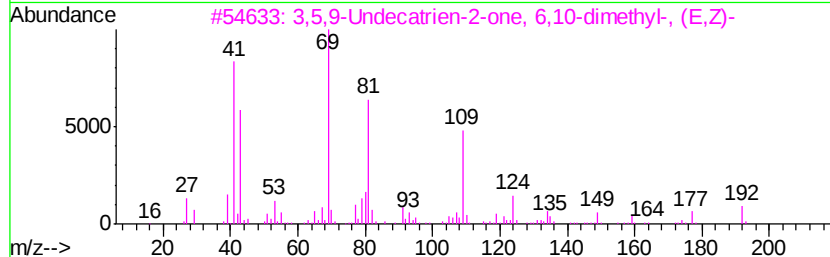
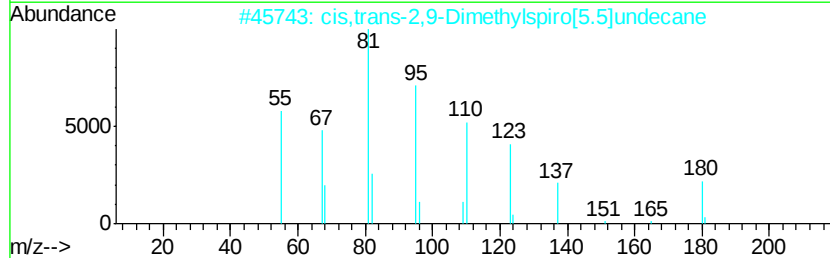
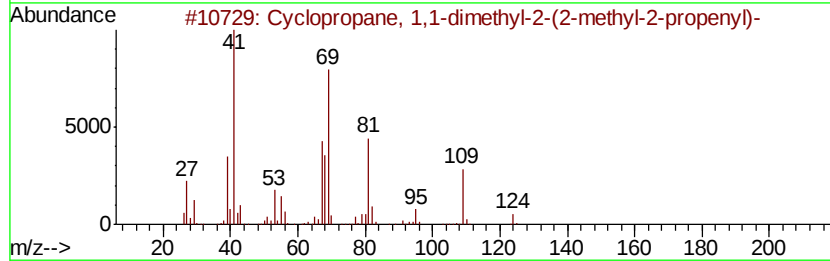
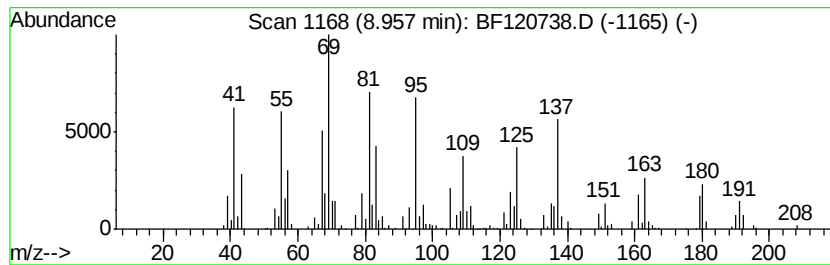
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown8.96 Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.96 | 7.51 ng | 315832 | Napthalene-d8    | 8.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclopropane, 1,1-dimethyl-2-(2-... | 124 | C9H16   | 069147-03-1  | 27   |
| 2    |    | cis,trans-2,9-Dimethylspiro[5.5]... | 180 | C13H24  | 095530-74-8  | 25   |
| 3    |    | 3,5,9-Undecatrien-2-one, 6,10-di... | 192 | C13H20O | 013927-47-4  | 20   |
| 4    |    | (2-Penta-2,4-dienyl-cyclohexyl)-... | 180 | C12H20O | 1000186-20-6 | 20   |
| 5    |    | 2H-Benzocyclohepten-2-one, decah... | 180 | C12H20O | 055103-64-5  | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

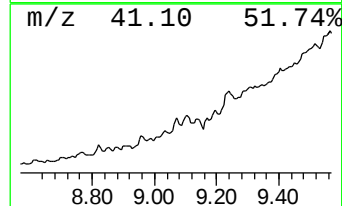
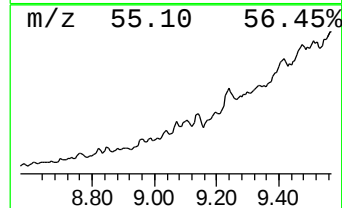
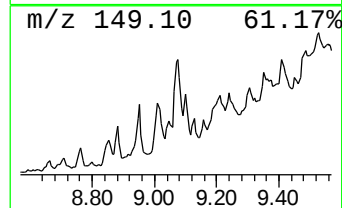
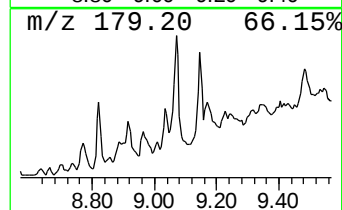
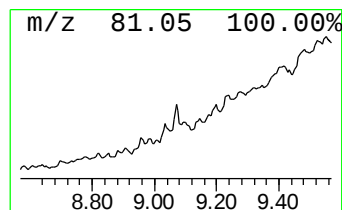
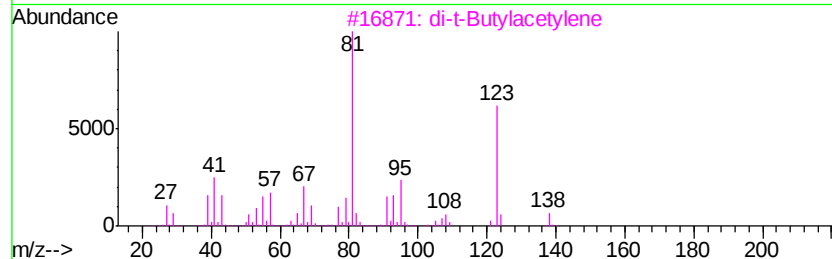
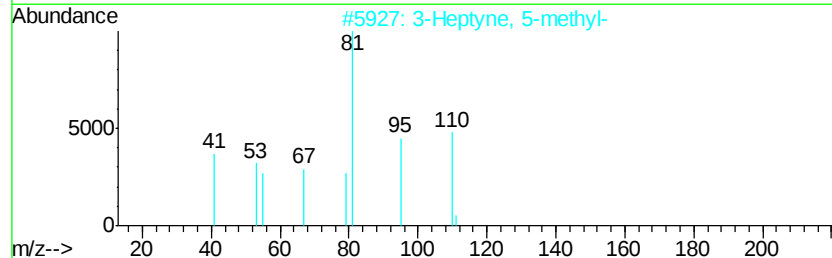
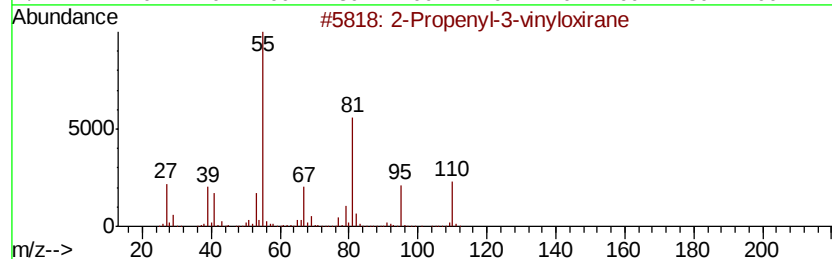
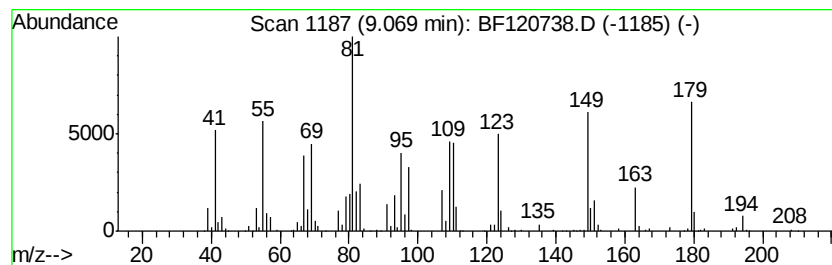
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown9.07 Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD |  | R.T. |
|------|---------|--------|------------------|--|------|
| 9.07 | 6.26 ng | 331596 | Acenaphthene-d10 |  | 9.85 |

| Hit# | of                     | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Propenyl-3-vinyl-    |   |              | 110 | C7H10O  | 070597-49-8 | 27   |
| 2    | 3-Heptyne, 5-methyl-   |   |              | 110 | C8H14   | 061228-09-9 | 27   |
| 3    | di-tert-Butylacetylene |   |              | 138 | C10H18  | 017530-24-4 | 22   |
| 4    | 4-Ethylcyclohexene     |   |              | 110 | C8H14   | 003742-42-5 | 22   |
| 5    | Cyclohexene, 1-ethyl-  |   |              | 110 | C8H14   | 001453-24-3 | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

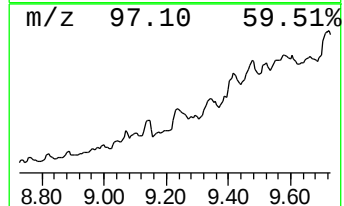
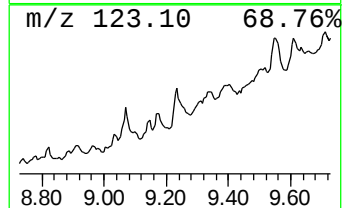
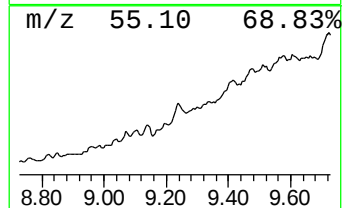
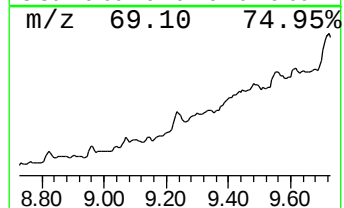
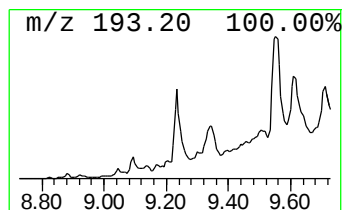
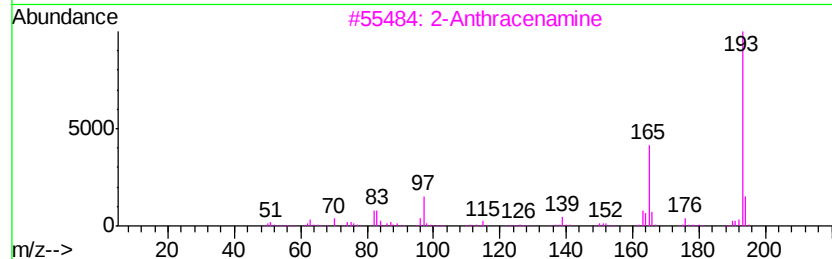
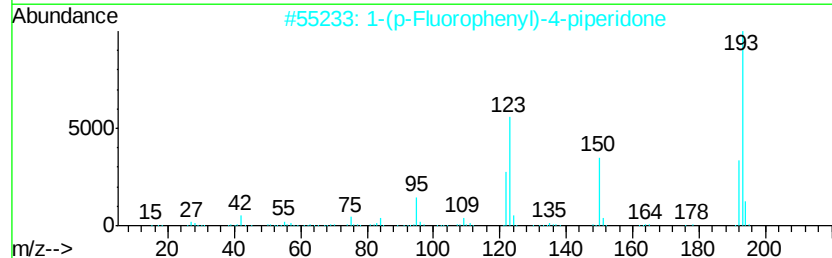
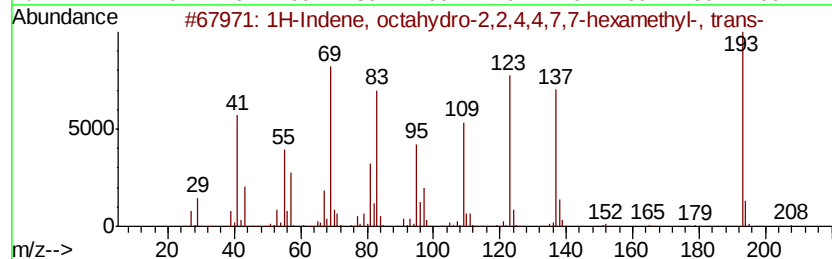
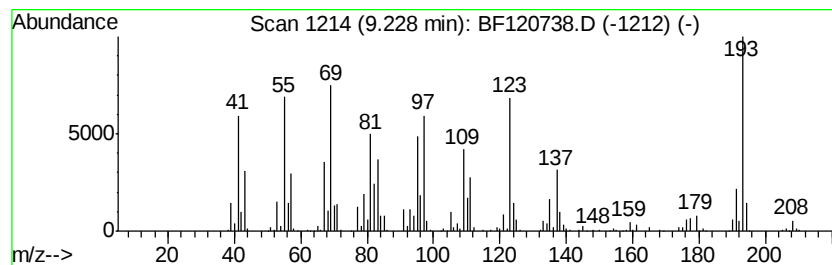
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown9.23 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.23 | 20.00 ng | 1059190 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1H-Indene, octahydro-2,2,4,4,7,7...  | 208 | C15H28    | 054832-83-6  | 49   |
| 2    |    | 1-(p-Fluorophenyl)-4-piperidone      | 193 | C11H12FNO | 1000238-56-7 | 38   |
| 3    |    | 2-Anthracenamine                     | 193 | C14H11N   | 000613-13-8  | 30   |
| 4    |    | Cyclohexane, 1-(cyclohexylmethyl...  | 208 | C15H28    | 054934-92-8  | 18   |
| 5    |    | (1Ar-(1aalpha,4abeta,8as(*))) -4a... | 222 | C13H18O3  | 1000242-02-8 | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

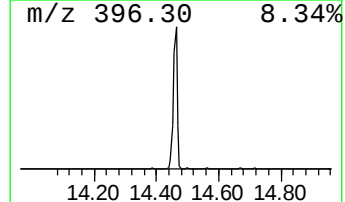
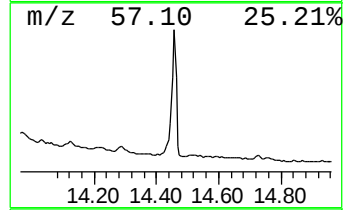
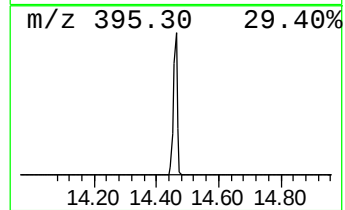
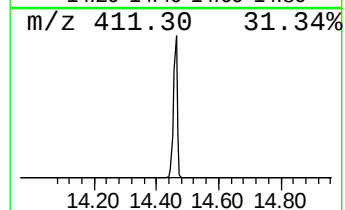
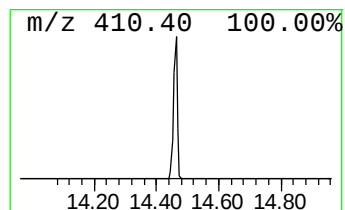
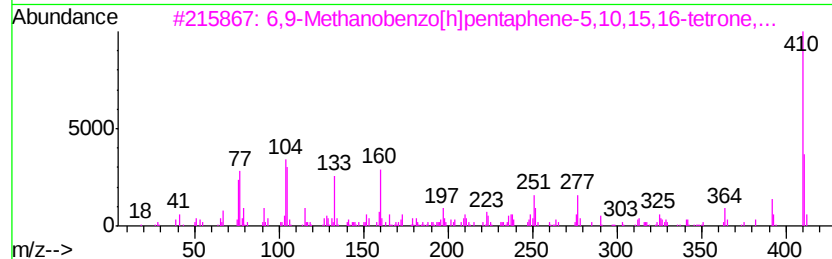
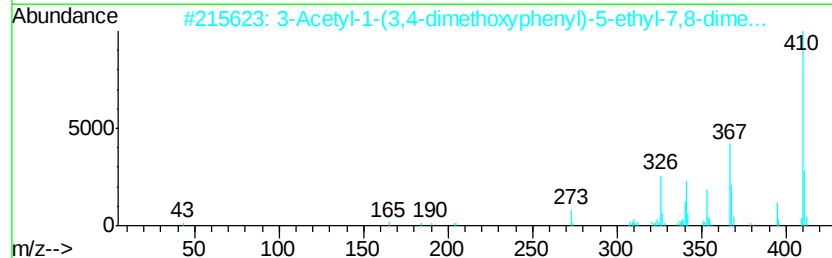
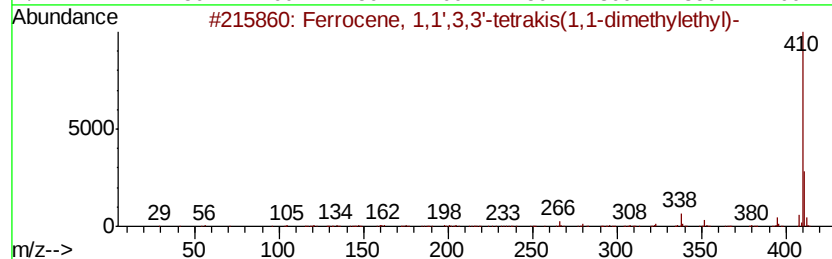
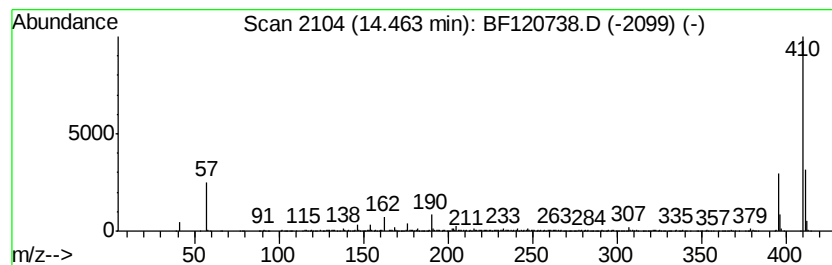
Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Ferrocene, 1,1',3,3'-tetrak... Concentration Rank 4

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.         |              |      |
|---------|----------|-------------------------------------|------------------|--------------|--------------|------|
| 14.46   | 20.00 ng | 1467590                             | Chrysene-d12     | 13.98        |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm      | CAS#         | Qual |
| 1       |          | Ferrocene, 1,1',3,3'-tetrakis(1,... | 410              | C26H42Fe     | 001317-17-5  | 52   |
| 2       |          | 3-Acetyl-1-(3,4-dimethoxyphenyl)... | 410              | C23H26N2O5   | 090140-65-1  | 42   |
| 3       |          | 6,9-Methanobenzo[h]pentaphene-5,... | 410              | C27H22O4     | 057427-50-6  | 40   |
| 4       |          | Stigmasta-4,6,22-trien-3.beta.-ol   | 410              | C29H46O      | 096737-58-5  | 38   |
| 5       |          | 9-Chloro-4,5-dihydro-4-[3,4,5-tr... | 410              | C22H19ClN2O4 | 1000212-48-1 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

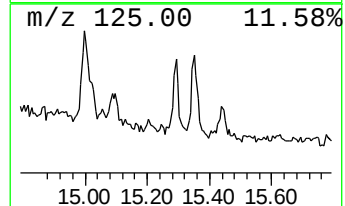
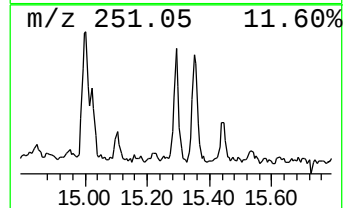
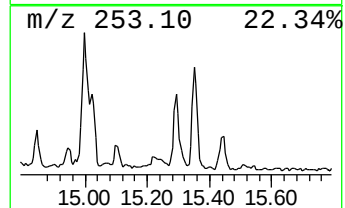
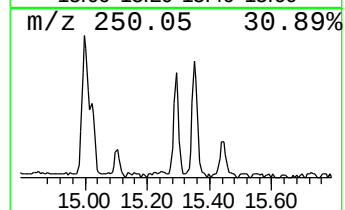
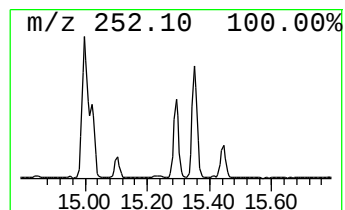
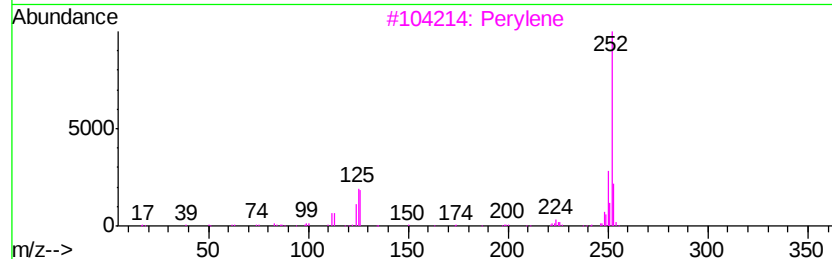
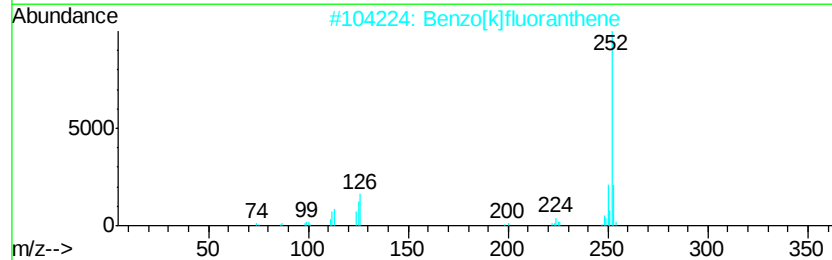
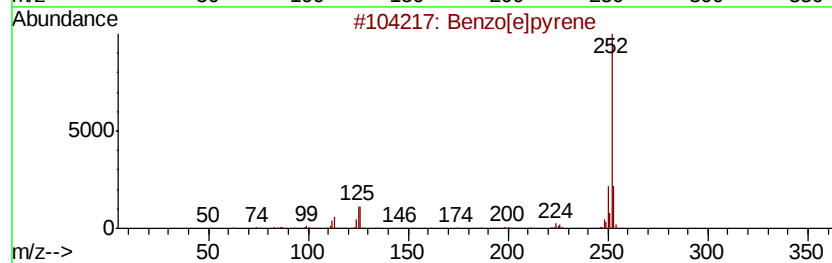
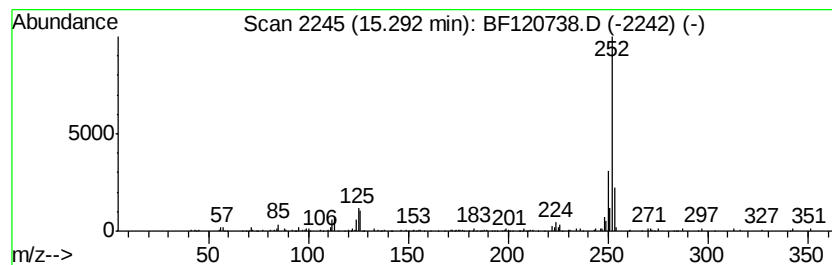
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzo[e]pyrene Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.29 | 4.68 ng | 129355 | Perylene-d12     | 15.42 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 96   |
| 3    |    |   | Perylene                  | 252 | C20H12  | 000198-55-0 | 95   |
| 4    |    |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

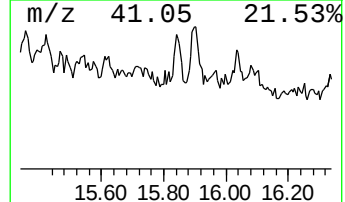
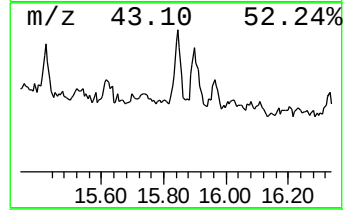
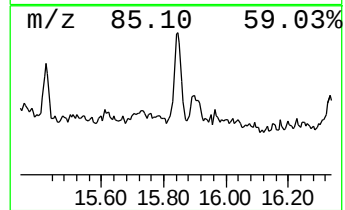
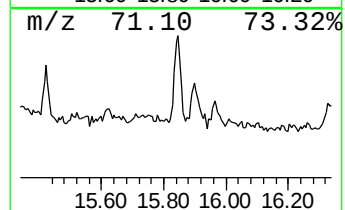
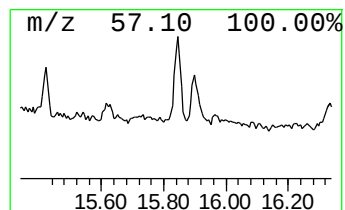
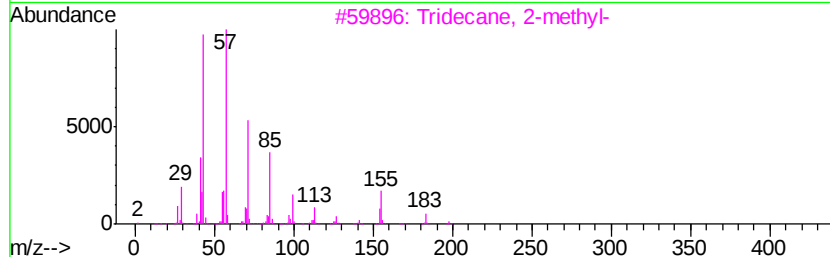
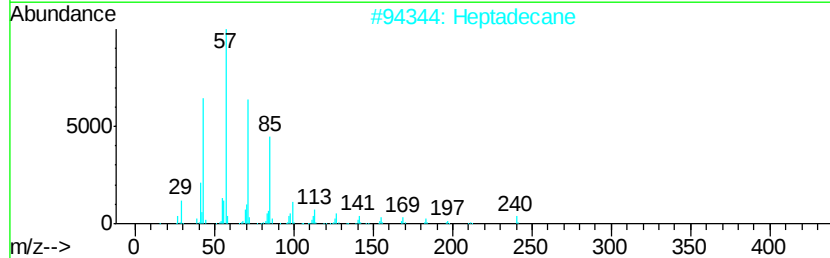
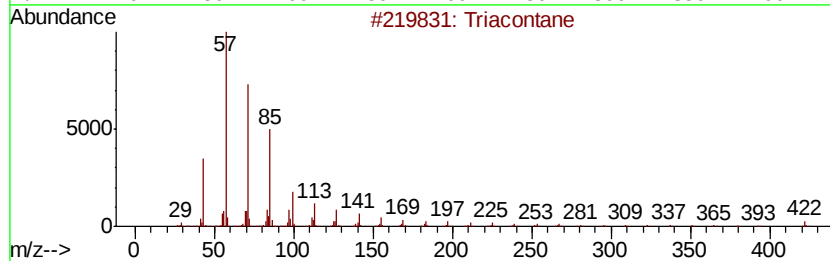
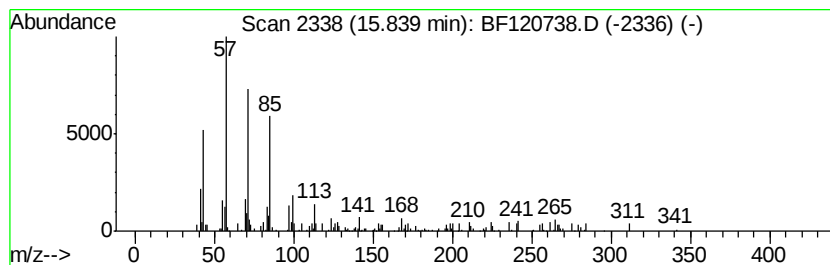
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Triacontane Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.84 | 3.24 ng | 89617 | Perylene-d12     | 15.42 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Triacontane          | 422 | C30H62  | 000638-68-6 | 68   |
| 2    |    |   | Heptadecane          | 240 | C17H36  | 000629-78-7 | 64   |
| 3    |    |   | Tridecane, 2-methyl- | 198 | C14H30  | 001560-96-9 | 64   |
| 4    |    |   | Octadecane, 1-iodo-  | 380 | C18H37I | 000629-93-6 | 64   |
| 5    |    |   | Tetradecane          | 198 | C14H30  | 000629-59-4 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

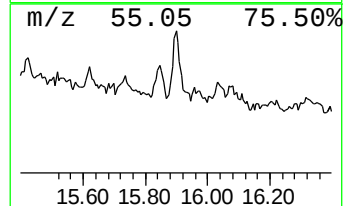
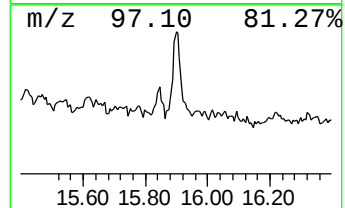
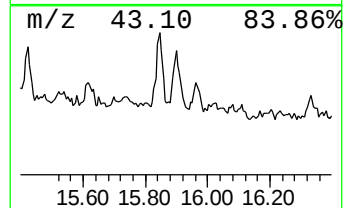
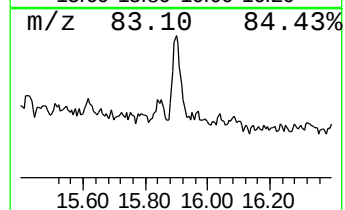
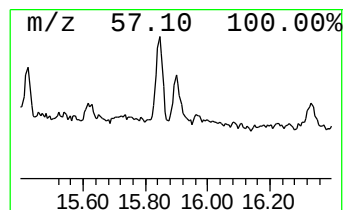
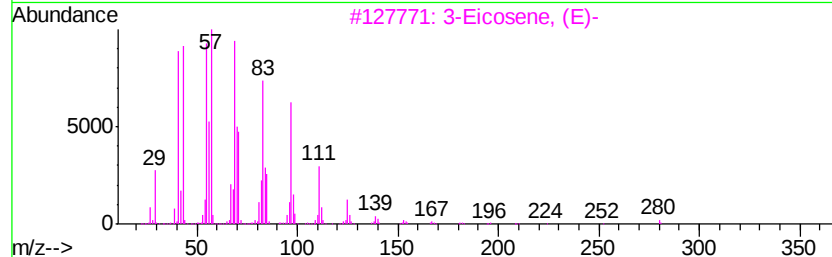
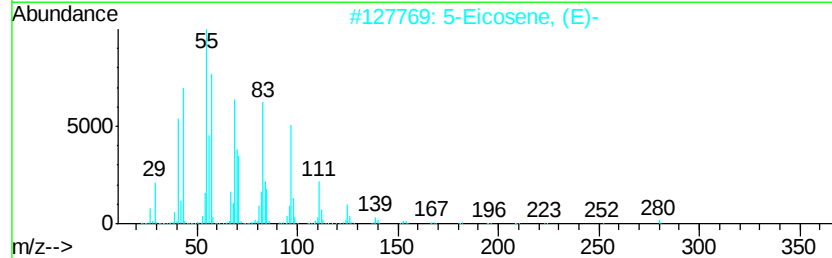
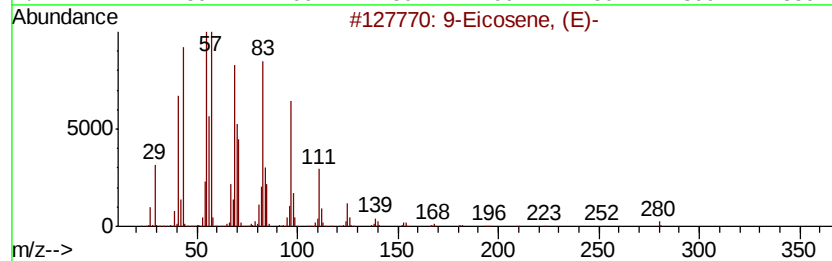
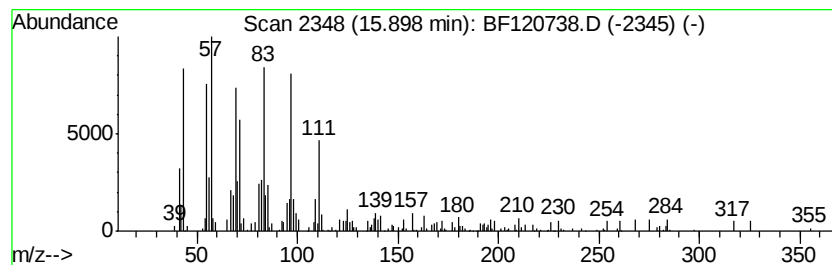
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 9-Eicosene, (E)- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.90 | 4.98 ng | 137594 | Perylene-d12     | 15.42 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | 9-Eicosene, (E)- | 280 | C20H40  | 074685-29-3 | 83   |
| 2    |    | 5-Eicosene, (E)- | 280 | C20H40  | 074685-30-6 | 83   |
| 3    |    | 3-Eicosene, (E)- | 280 | C20H40  | 074685-33-9 | 70   |
| 4    |    | Cycloeicosane    | 280 | C20H40  | 000296-56-0 | 58   |
| 5    |    | Octacosanol      | 410 | C28H58O | 000557-61-9 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120738.D  
Acq On : 29 Jun 2020 20:14  
Operator : JU/CG  
Sample : L3128-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

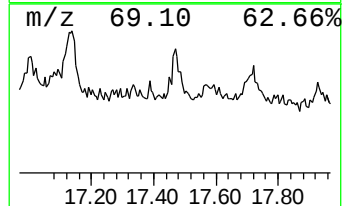
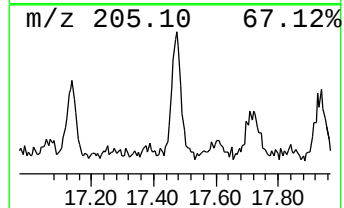
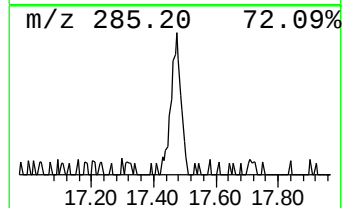
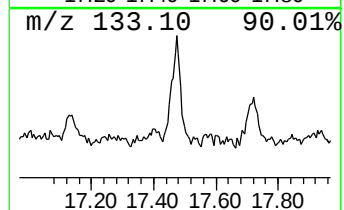
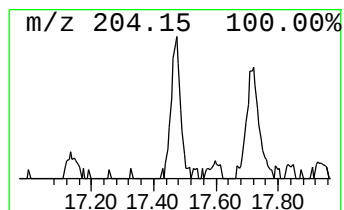
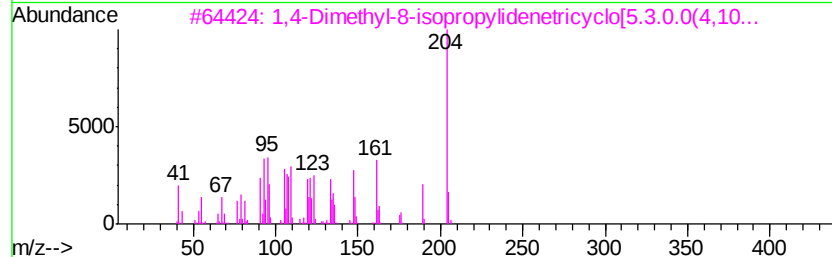
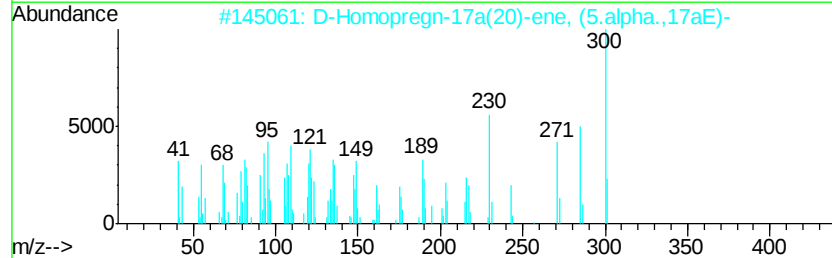
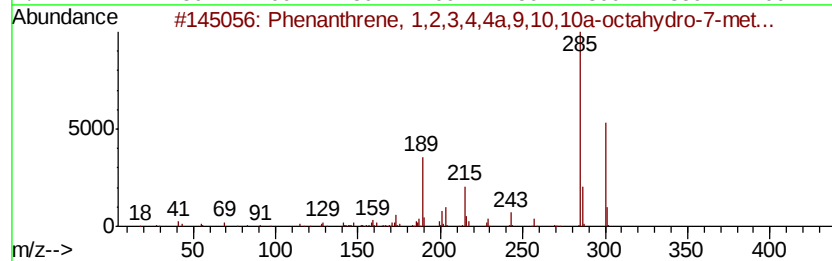
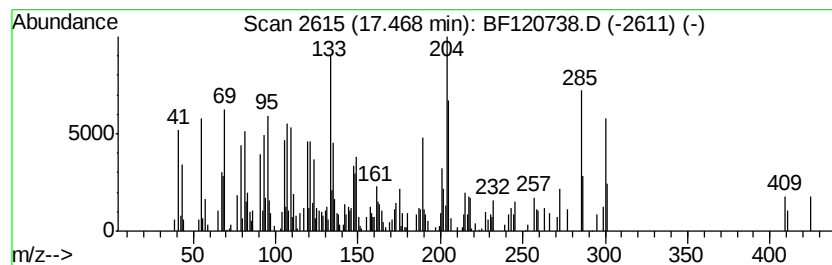
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown17.47 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.47 | 8.70 ng | 240267 | Perylene-d12     | 15.42 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phenanthrene, 1,2,3,4,4a,9,10,10...  | 300 | C21H32O  | 015340-83-7  | 42   |
| 2    |    | D-Homopregn-17a(20)-ene, (5.alpha... | 300 | C22H36   | 054482-44-9  | 41   |
| 3    |    | 1,4-Dimethyl-8-isopropylidenetri...  | 204 | C15H24   | 1000140-07-7 | 35   |
| 4    |    | Pyrimido[1,2-a]indole, 4-isoprop...  | 300 | C21H20N2 | 163158-91-6  | 35   |
| 5    |    | 1,3-Dimethyl-5-(propen-1-yl)adam...  | 204 | C15H24   | 057040-48-9  | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
 Data File : BF120738.D  
 Acq On : 29 Jun 2020 20:14  
 Operator : JU/CG  
 Sample : L3128-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 78-64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061020.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 |
| 1,3,5-Trimethylad... | 8.54  | 2.1 ng  |       | 89249    | 2                     | 8.08  | 841053  | 20.0 |
| Cyclohexane, 1,2,... | 8.62  | 5.2 ng  |       | 218968   | 2                     | 8.08  | 841053  | 20.0 |
| unknown8.70          | 8.70  | 3.7 ng  |       | 156702   | 2                     | 8.08  | 841053  | 20.0 |
| unknown8.76          | 8.76  | 5.0 ng  |       | 208701   | 2                     | 8.08  | 841053  | 20.0 |
| unknown8.82          | 8.82  | 4.7 ng  |       | 197018   | 2                     | 8.08  | 841053  | 20.0 |
| unknown8.96          | 8.96  | 7.5 ng  |       | 315832   | 2                     | 8.08  | 841053  | 20.0 |
| unknown9.07          | 9.07  | 6.3 ng  |       | 331596   | 3                     | 9.85  | 1059190 | 20.0 |
| unknown9.23          | 9.23  | 20.0 ng |       | 1059190  | 3                     | 9.85  | 1059190 | 20.0 |
| Ferrocene, 1,1',3... | 14.46 | 20.0 ng |       | 1467590  | 5                     | 13.98 | 1467590 | 20.0 |
| Benzo[e]pyrene       | 15.29 | 4.7 ng  |       | 129355   | 6                     | 15.42 | 552428  | 20.0 |
| Triacontane          | 15.84 | 3.2 ng  |       | 89617    | 6                     | 15.42 | 552428  | 20.0 |
| 9-Eicosene, (E)-     | 15.90 | 5.0 ng  |       | 137594   | 6                     | 15.42 | 552428  | 20.0 |
| unknown17.47         | 17.47 | 8.7 ng  |       | 240267   | 6                     | 15.42 | 552428  | 20.0 |