

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\  
 Data File : BF102833.D  
 Acq On : 7 Feb 2018 23:56  
 Operator : SJ/JU  
 Sample : J1471-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM

Quant Time: Feb 08 06:38:34 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 199192   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 805818   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.93  | 164  | 326961   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.42 | 188  | 477256   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 338752   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.54 | 264  | 277335   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 1400292 | 106.76 | ng | 0.02 |
| 7) Phenol-d6             | 6.52  | 99  | 1678212 | 106.26 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 1049686 | 90.36  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 281471  | 106.96 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.25  | 172 | 1456599 | 73.92  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.00 | 244 | 1060883 | 74.15  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.71 | 88  | 226945  | 35.031 | ng | # 86   |
| 3) Pyridine                    | 3.49 | 79  | 611461  | 34.162 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.44 | 42  | 328209  | 42.858 | ng | 99     |
| 6) Aniline                     | 6.55 | 93  | 374398  | 16.053 | ng | 95     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 556864  | 41.239 | ng | 96     |
| 9) Benzaldehyde                | 6.43 | 77  | 177174  | 15.107 | ng | 99     |
| 10) Phenol                     | 6.53 | 94  | 731337  | 43.211 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 564737  | 40.099 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 579573  | 37.064 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 584983  | 37.555 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 538115  | 37.090 | ng | 99     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 483454  | 39.817 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45  | 991664  | 37.067 | ng | 97     |
| 17) 2-Methylphenol             | 7.14 | 107 | 479509  | 38.498 | ng | 99     |
| 18) Hexachloroethane           | 7.40 | 117 | 168020  | 31.456 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 375531  | 36.065 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 550388  | 35.833 | ng | # 66   |
| 22) Acetophenone               | 7.30 | 105 | 731297  | 37.086 | ng | # 95   |
| 24) Nitrobenzene               | 7.47 | 77  | 601993  | 44.056 | ng | 98     |
| 25) Isophorone                 | 7.71 | 82  | 1084782 | 40.556 | ng | 99     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 282771  | 49.945 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 507876  | 44.943 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 693120  | 43.743 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 440916  | 42.920 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 433259  | 37.281 | ng | 100    |
| 31) Naphthalene                | 8.19 | 128 | 1504464 | 38.213 | ng | 100    |
| 32) Benzoic acid               | 7.90 | 122 | 77671m  | 17.603 | ng |        |
| 33) 4-Chloroaniline            | 8.24 | 127 | 177807  | 10.484 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 220509  | 37.028 | ng | 96     |
| 35) Caprolactam                | 8.61 | 113 | 147669m | 41.391 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 480040  | 41.589 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 967906  | 37.550 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 367950  | 41.331 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.03 | 237 | 33630   | 7.946  | ng | 100    |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\  
 Data File : BF102833.D  
 Acq On : 7 Feb 2018 23:56  
 Operator : SJ/JU  
 Sample : J1471-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

Manual Integrations  
 APPROVED

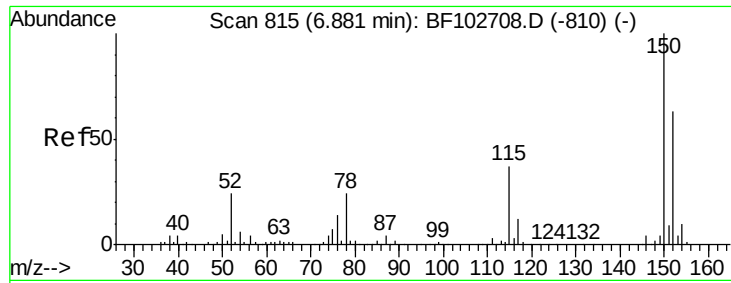
Sohil  
 2/8/2018 1:41:47 PM

Quant Time: Feb 08 06:38:34 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.16  | 196  | 271408   | 46.415 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 281771   | 42.753 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.35  | 154  | 1075767  | 39.063 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.37  | 162  | 854937   | 39.433 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 325679   | 48.631 | ng    | 90       |
| 48) Acenaphthylene             | 9.79  | 152  | 1241354  | 36.864 | ng    | 99       |
| 49) Dimethylphthalate          | 9.65  | 163  | 1127894  | 44.242 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 217787   | 44.902 | ng    | 96       |
| 51) Acenaphthene               | 9.96  | 154  | 720392   | 35.773 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 191104   | 32.022 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 15001    | 22.530 | ng    | # 17     |
| 54) Dibenzofuran               | 10.13 | 168  | 1074840  | 37.874 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 358233   | 73.393 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.12 | 165  | 267621   | 41.581 | ng    | 92       |
| 57) Fluorene                   | 10.47 | 166  | 774229   | 37.496 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 192578   | 42.159 | ng    | 98       |
| 59) Diethylphthalate           | 10.35 | 149  | 932888   | 37.059 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204  | 353206   | 38.668 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 208151   | 36.642 | ng    | 93       |
| 62) Azobenzene                 | 10.63 | 77   | 877594   | 34.898 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 17078    | 16.557 | ng    | 87       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 732167   | 43.493 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.96 | 248  | 211284   | 41.851 | ng    | 91       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 220092   | 39.518 | ng    | 94       |
| 68) Atrazine                   | 11.11 | 200  | 204168   | 41.111 | ng    | 98       |
| 69) Pentachlorophenol          | 11.22 | 266  | 221365   | 67.709 | ng    | 99       |
| 70) Phenanthrene               | 11.44 | 178  | 1023165  | 38.494 | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 1041794  | 38.536 | ng    | 100      |
| 72) Carbazole                  | 11.64 | 167  | 993287   | 37.503 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.97 | 149  | 1286396  | 39.984 | ng    | 99       |
| 74) Fluoranthene               | 12.63 | 202  | 992690   | 37.120 | ng    | 99       |
| 76) Benzidine                  | 12.74 | 184  | 657596   | 42.237 | ng    | 99       |
| 77) Pyrene                     | 12.86 | 202  | 1006826  | 37.903 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.47 | 149  | 530847   | 41.911 | ng    | 99       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 856500   | 40.203 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 336486   | 42.598 | ng    | 97       |
| 82) Chrysene                   | 14.08 | 228  | 819460   | 38.157 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 708176   | 43.520 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 14.64 | 149  | 1204197  | 49.285 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.04 | 276  | 603289   | 33.871 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.10 | 252  | 729965   | 40.597 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.13 | 252  | 691311   | 40.238 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.47 | 252  | 640473   | 39.573 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.06 | 278  | 505640   | 38.491 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.50 | 276  | 486241   | 37.816 | ng    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

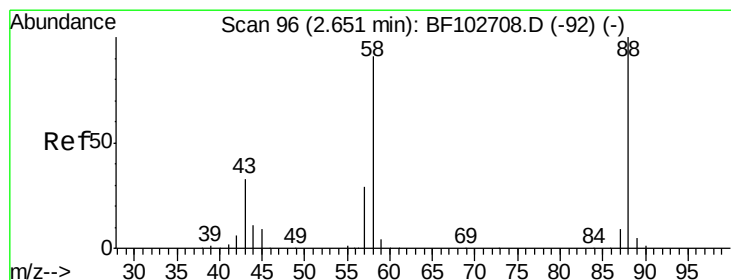
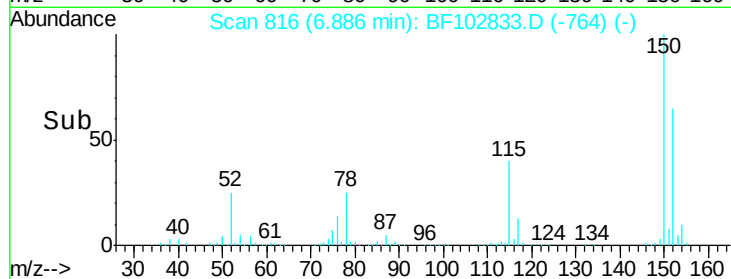
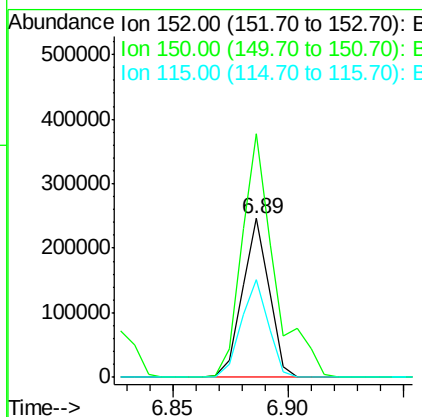
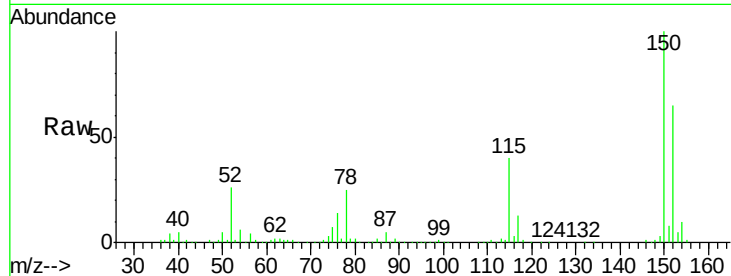
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampled :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 124.6 | 186.8 |
| 115     | 61.9  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

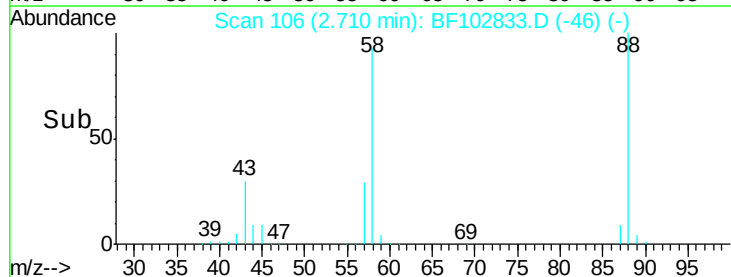
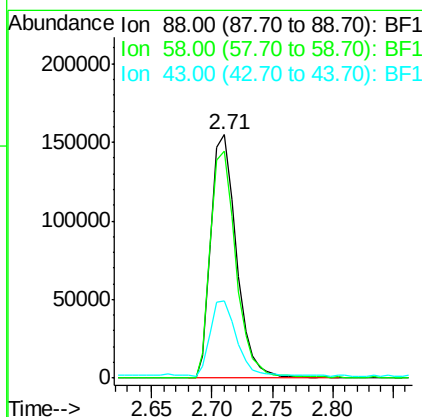
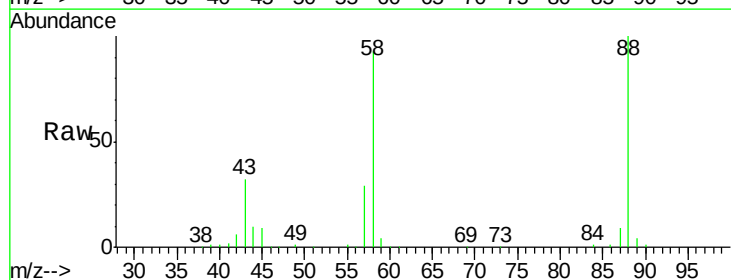
Sohil  
2/8/2018 1:41:47 PM

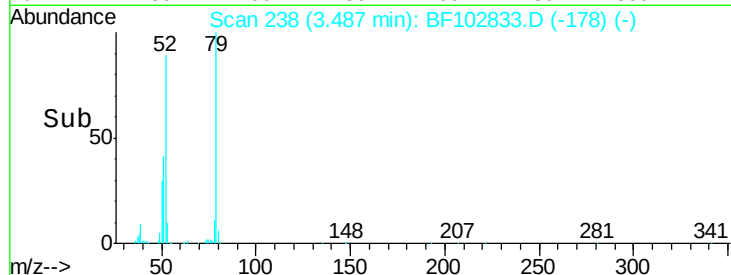
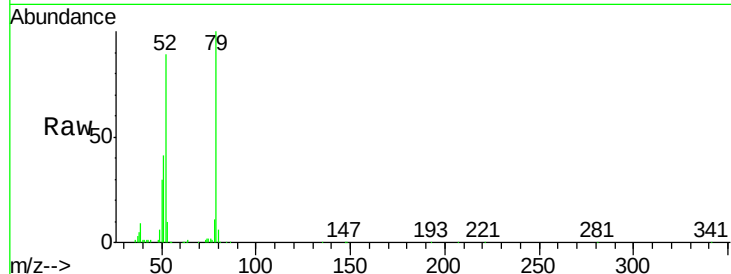
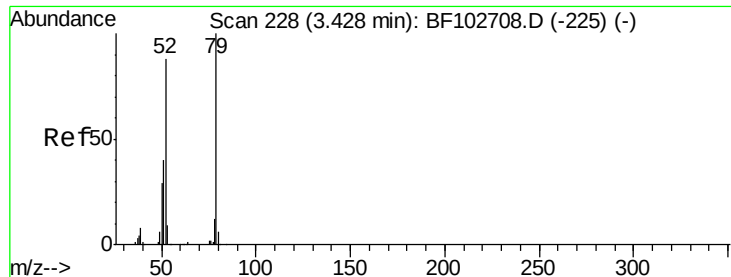


#2

1,4-Dioxane  
Concen: 35.031 ng  
RT: 2.71 min Scan# 106  
Delta R.T. 0.05 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 94.7  | 62.6  | 93.8# |
| 43      | 31.0  | 24.6  | 37.0  |





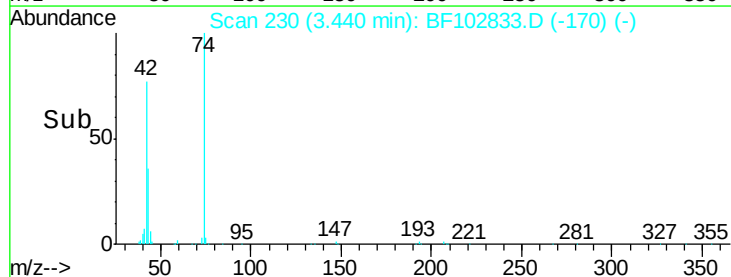
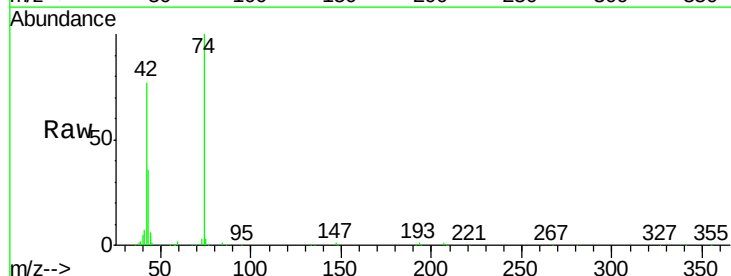
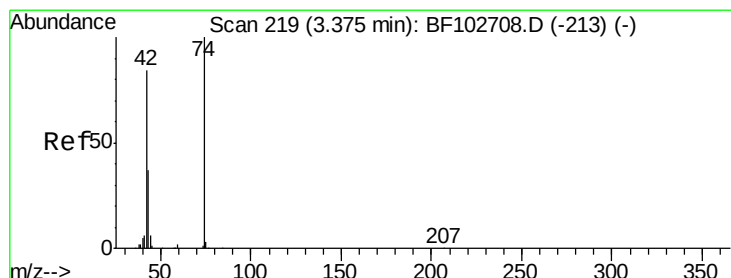
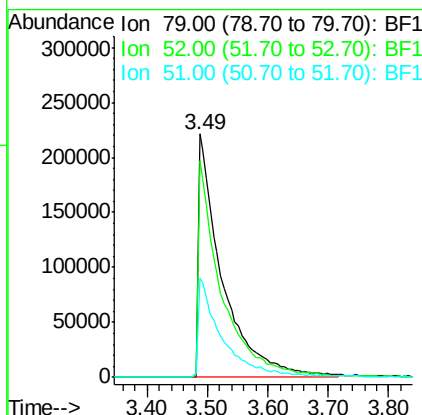
#3  
 Pvridine  
 Concen: 34.162 ng  
 RT: 3.49 min Scan# 238  
 Delta R.T. 0.05 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 611461 |       |       |
| 52      | 89.2 | 59.8  | 89.6   |       |       |
| 51      | 40.9 | 29.8  | 44.8   |       |       |

Instrument :  
 BNA\_F  
 ClientSampled :  
 3N-15MSD

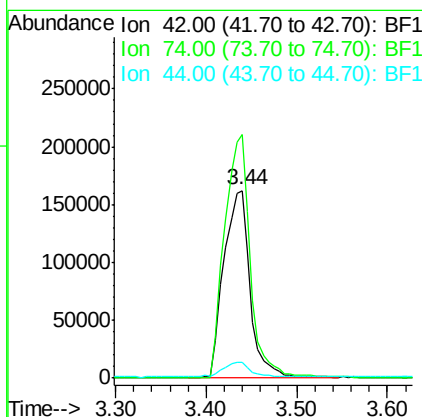
Manual Integrations  
 APPROVED

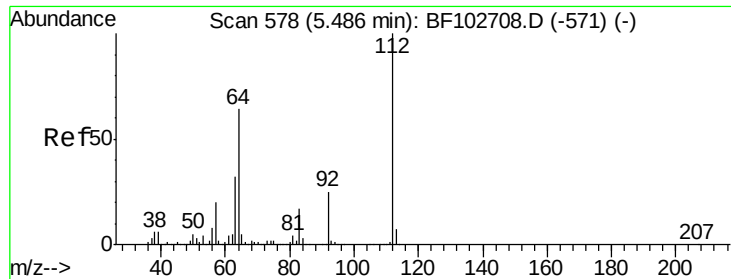
Sohil  
 2/8/2018 1:41:47 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 42.858 ng  
 RT: 3.44 min Scan# 230  
 Delta R.T. 0.05 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 42      | 100   |       | 328209 |       |       |
| 74      | 129.7 | 104.9 | 157.3  |       |       |
| 44      | 8.2   | 6.9   | 10.3   |       |       |





#5

2-Fluorophenol

Concen: 106.760 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

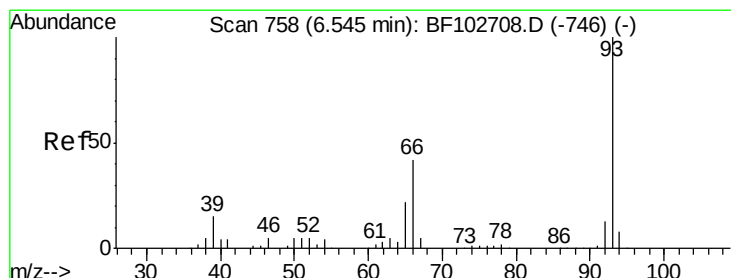
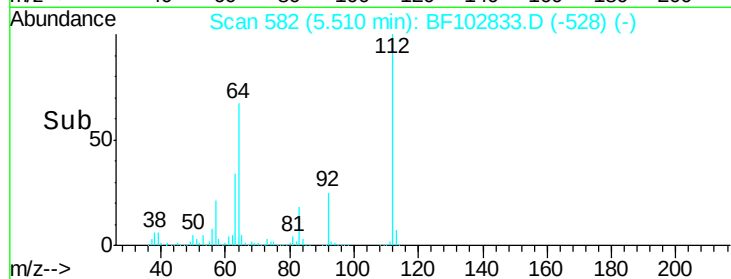
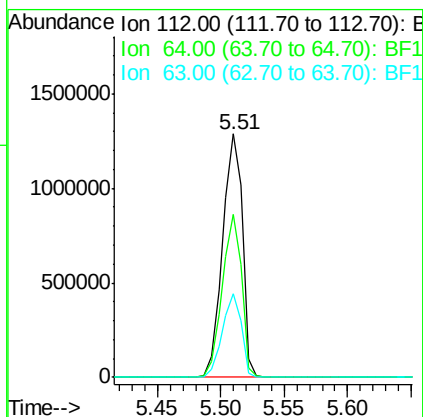
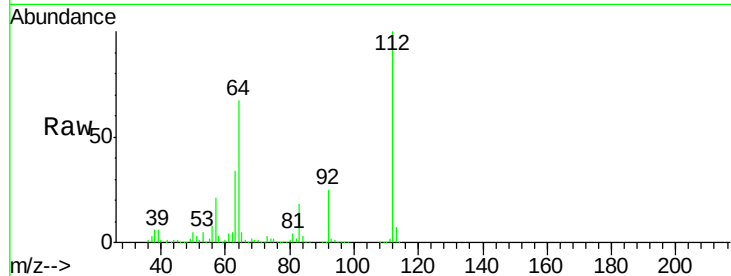
ClientSampleId :

3N-15MSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 1400292 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 67.1  | 47.9  | 71.9    |
| 63       | 34.3  | 23.7  | 35.5    |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#6

Aniline

Concen: 16.053 ng

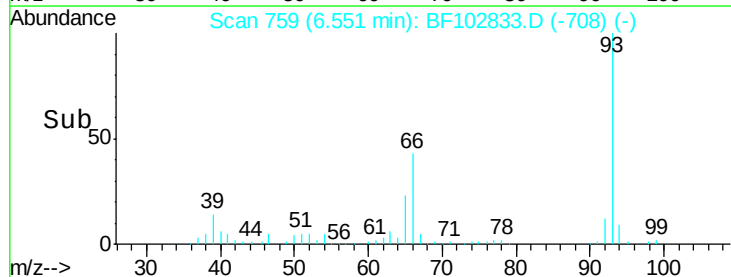
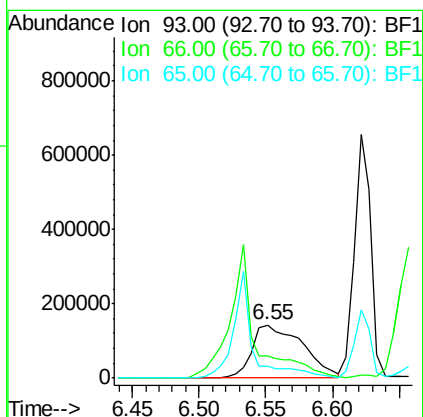
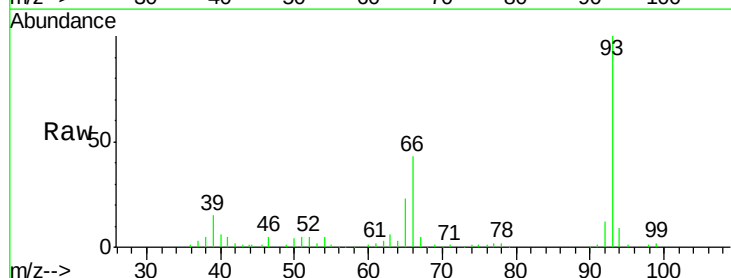
RT: 6.55 min Scan# 759

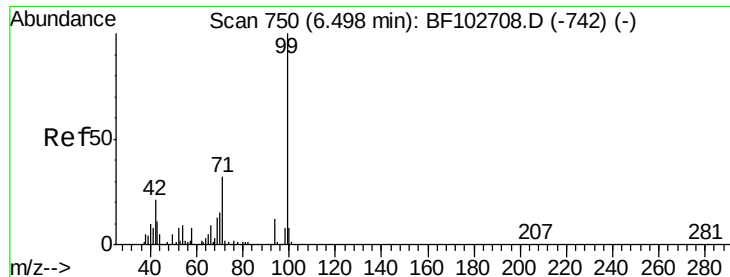
Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 374398 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 43.0  | 32.2  | 48.2   |
| 65       | 22.9  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 106.264 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion: 99 Resp: 1678212

Ion Ratio Lower Upper

99 100

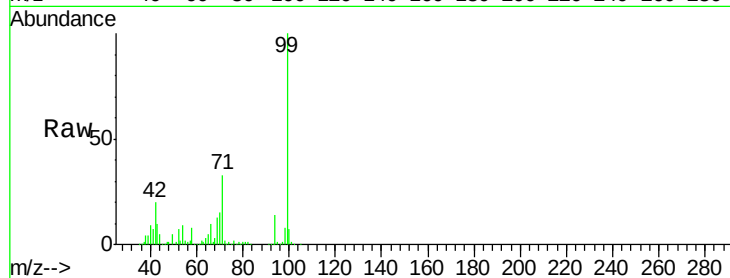
42 19.7 14.5 21.7

71 33.1 25.4 38.0

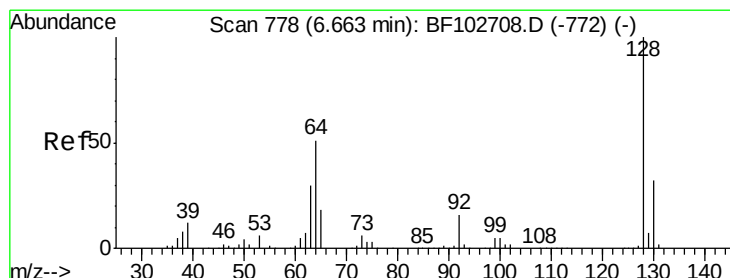
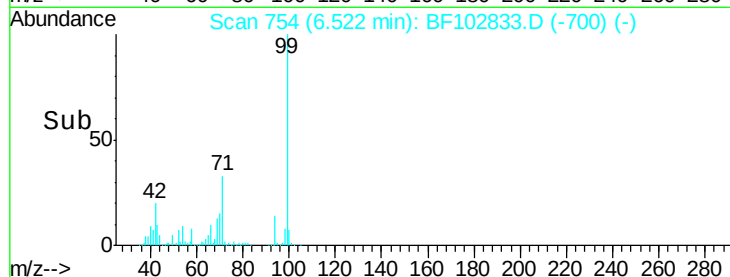
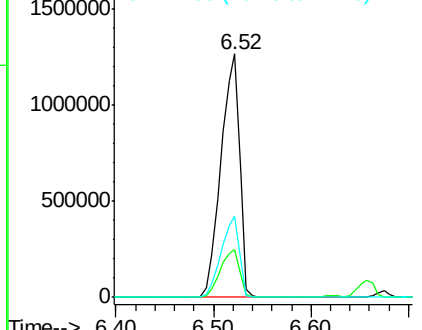
Manual Integrations  
APPROVED

Sohil

2/8/2018 1:41:47 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.239 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

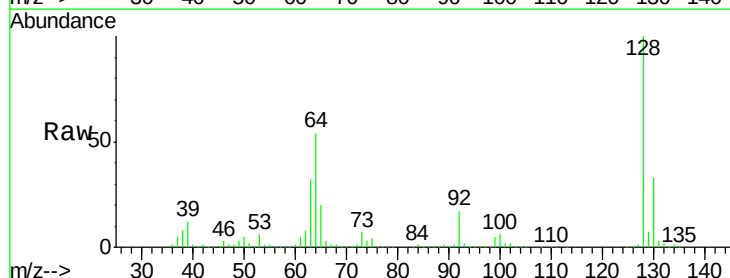
Tgt Ion: 128 Resp: 556864

Ion Ratio Lower Upper

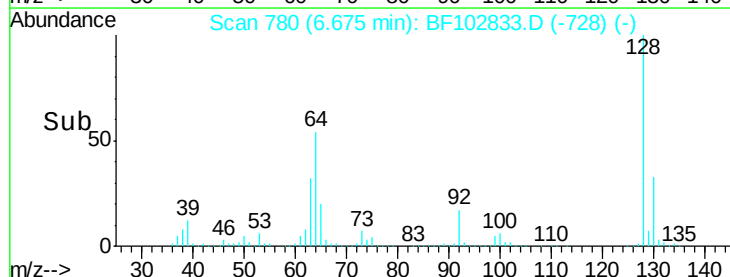
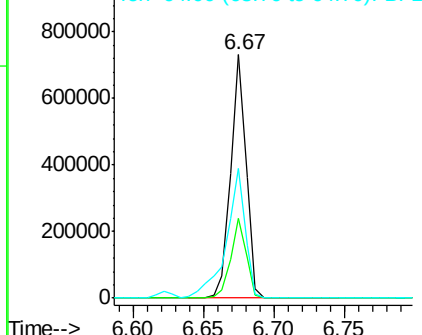
128 100

130 32.6 13.0 53.0

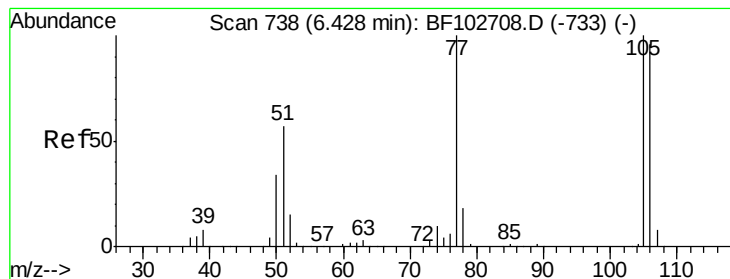
64 53.5 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 15.107 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

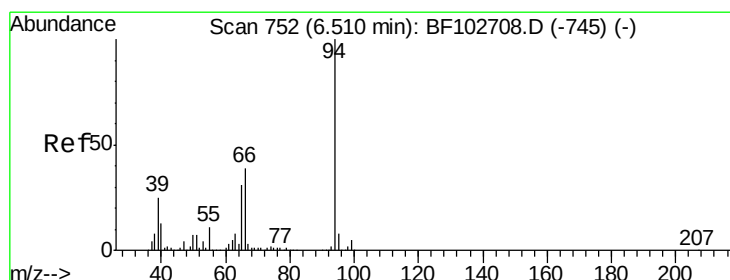
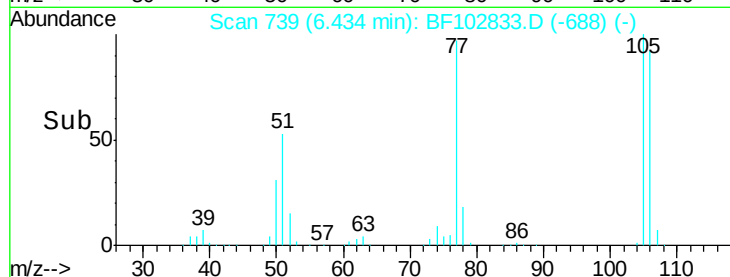
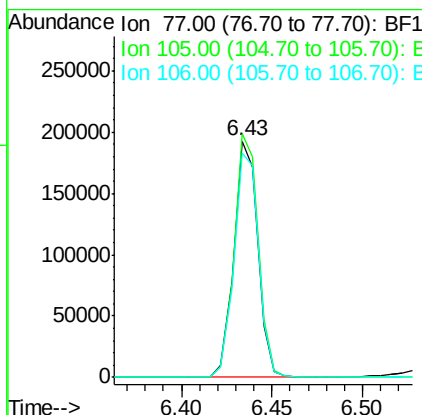
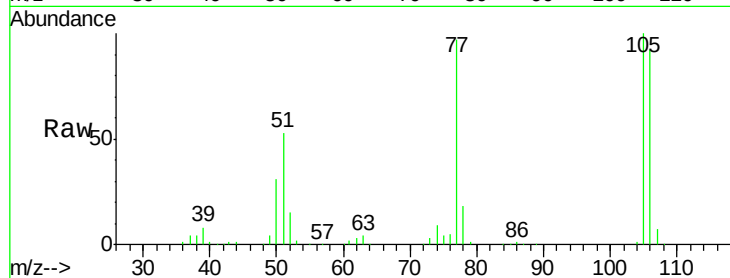
ClientSampled :

3N-15MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 177174 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 103.2 | 81.1  | 121.1  |
| 106      | 95.2  | 74.5  | 114.5  |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#10

Phenol

Concen: 43.211 ng

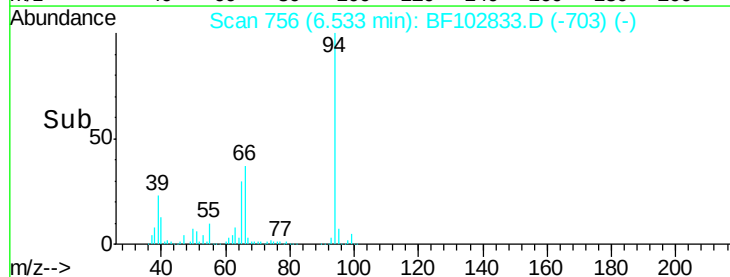
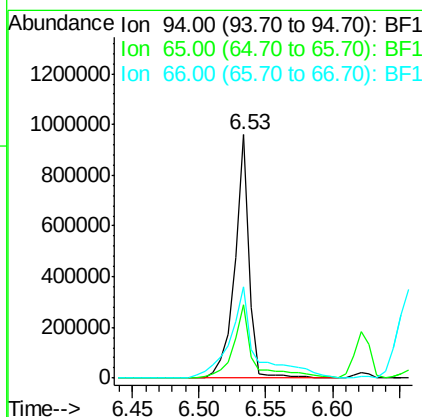
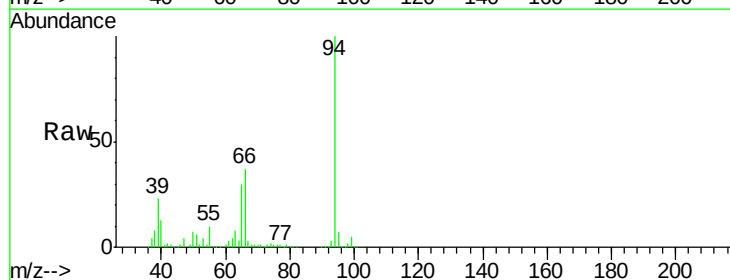
RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

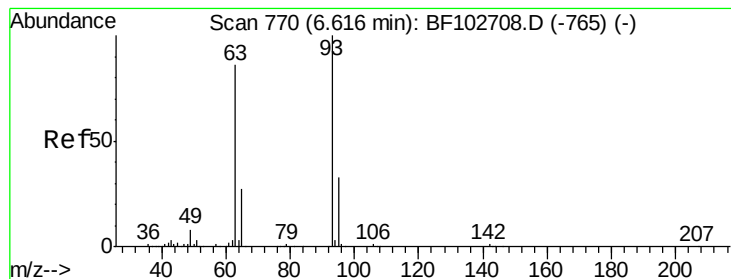
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 731337 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 29.9  | 7.9   | 47.9   |
| 66       | 37.3  | 16.2  | 56.2   |







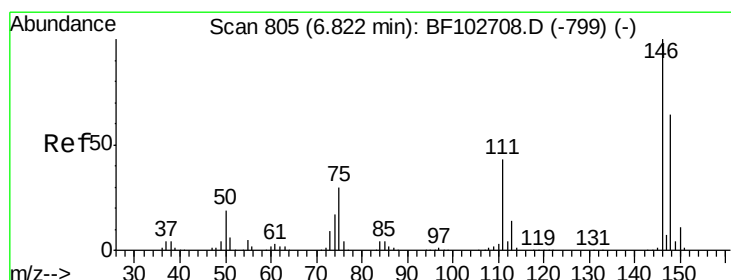
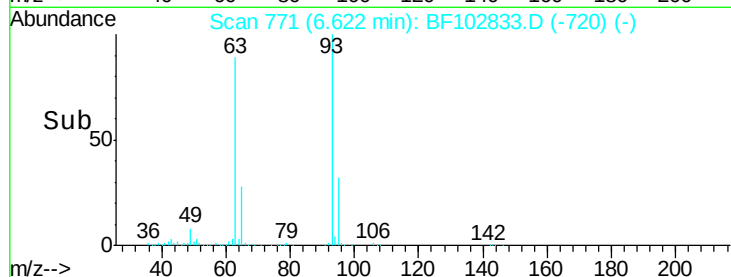
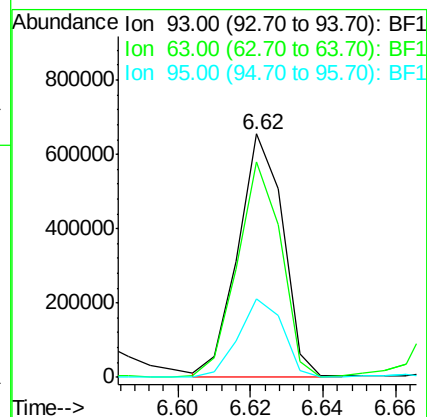
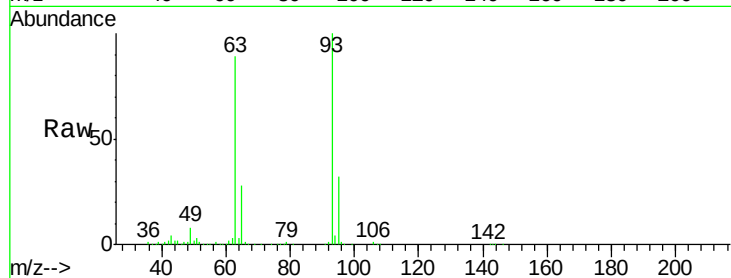
#11  
bis(2-Chloroethyl)ether  
Concen: 40.099 ng  
RT: 6.62 min Scan# 771  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 88.7  | 58.6  | 98.6  |
| 95      | 32.4  | 11.8  | 51.8  |

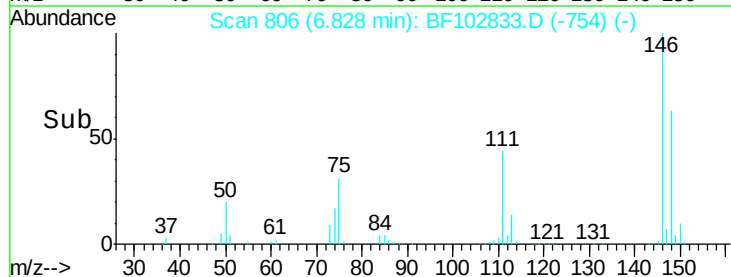
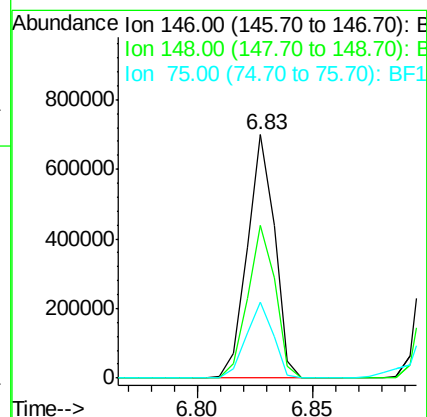
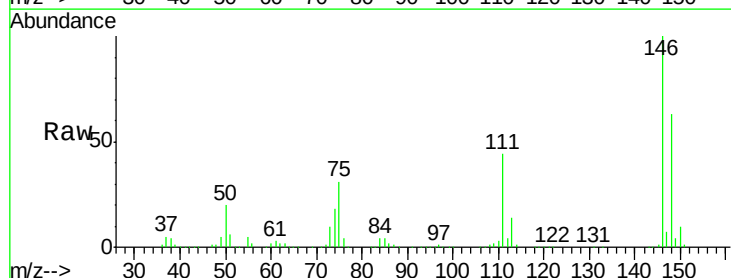
Manual Integrations  
APPROVED

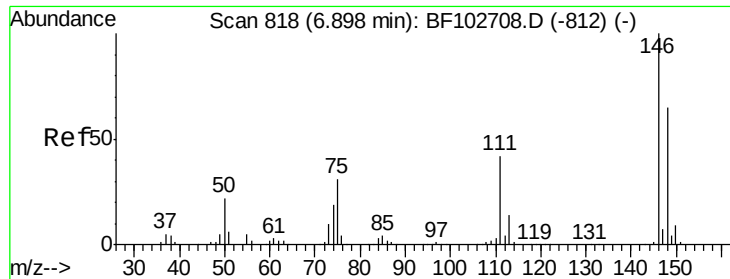
Sohil  
2/8/2018 1:41:47 PM



#12  
1,3-Dichlorobenzene  
Concen: 37.064 ng  
RT: 6.83 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 51.8  | 77.8  |
| 75      | 31.2  | 24.2  | 36.4  |





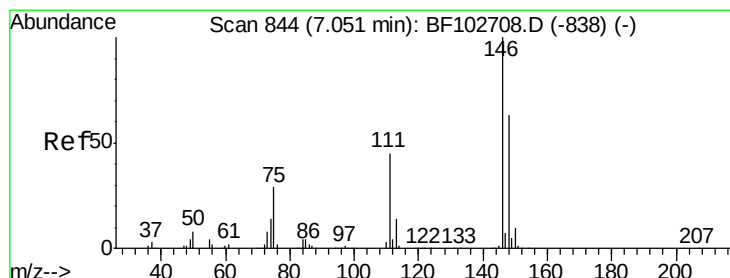
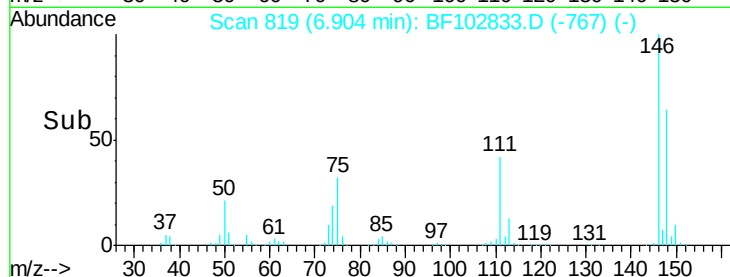
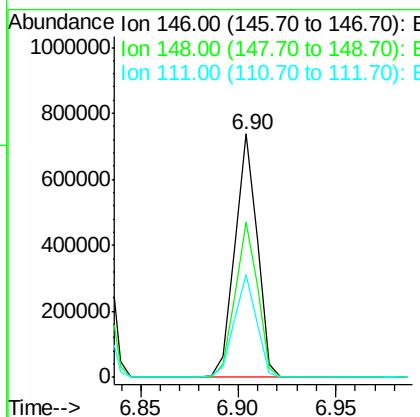
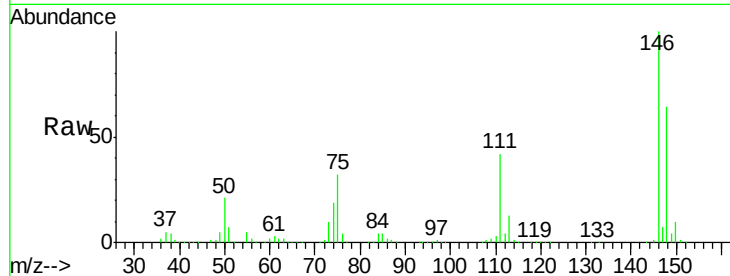
#13  
 1,4-Dichlorobenzene  
 Concen: 37.555 ng  
 RT: 6.90 min Scan# 819  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 50.8  | 76.2  |
| 111     | 42.5  | 34.2  | 51.2  |

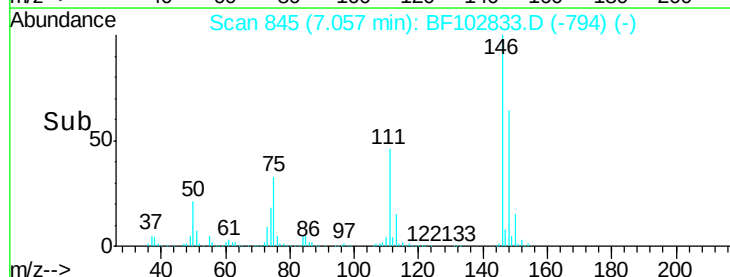
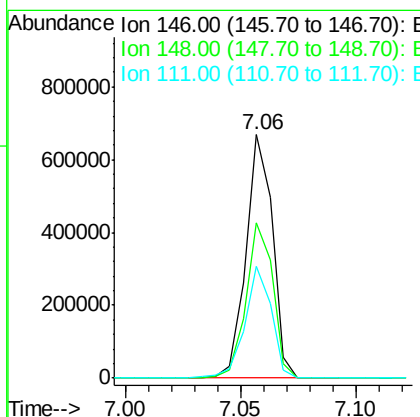
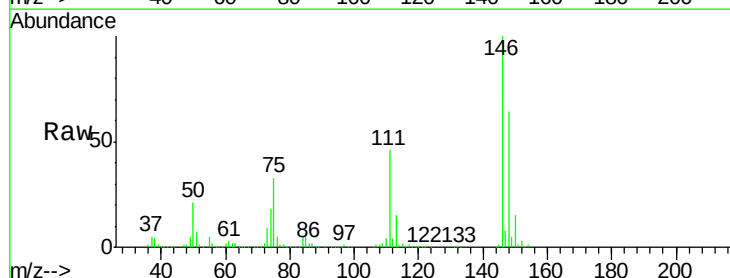
Manual Integrations  
 APPROVED

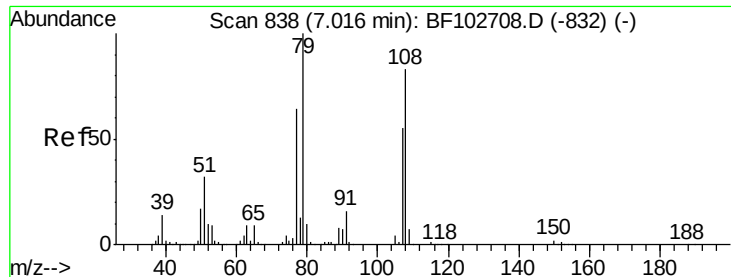
Sohil  
 2/8/2018 1:41:47 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 37.090 ng  
 RT: 7.06 min Scan# 845  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.6  | 75.8  |
| 111     | 46.0  | 36.0  | 54.0  |





#15

Benzyl Alcohol

Concen: 39.817 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

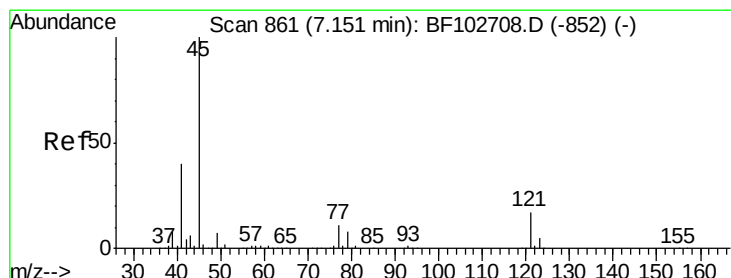
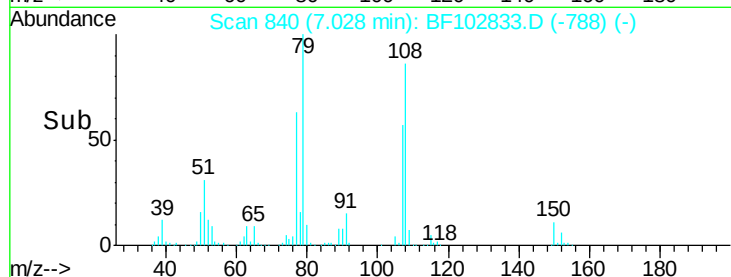
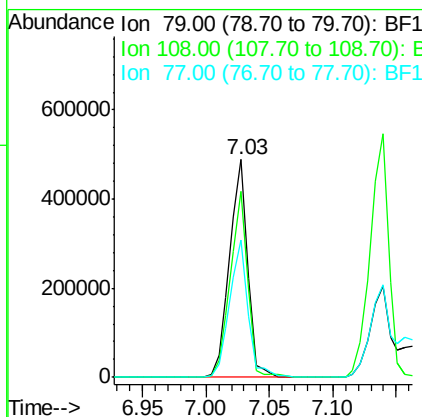
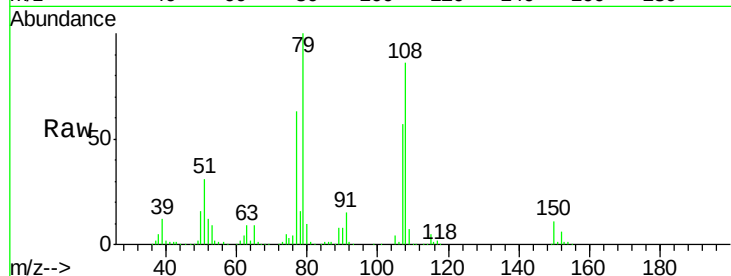
ClientSampleId :

3N-15MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 483454 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 85.6  | 65.1  | 97.7   |
| 77        | 63.2  | 50.6  | 75.8   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.067 ng

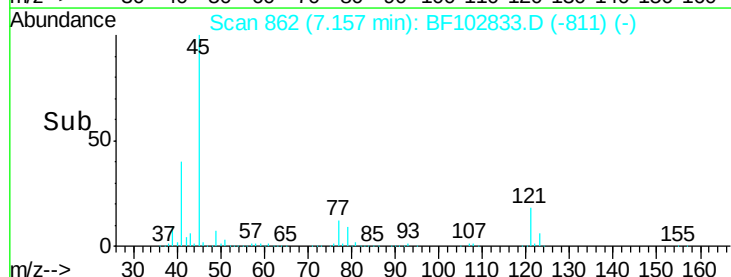
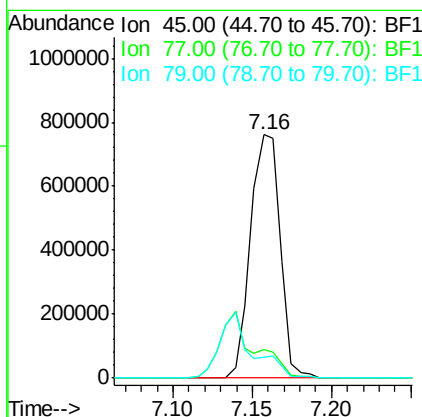
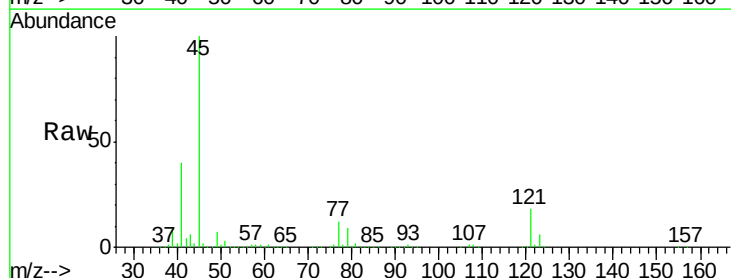
RT: 7.16 min Scan# 862

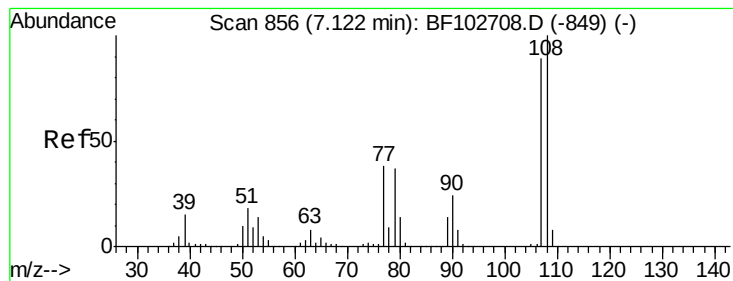
Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 991664 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.8  | 0.0   | 32.9   |
| 79        | 8.7   | 0.0   | 29.6   |





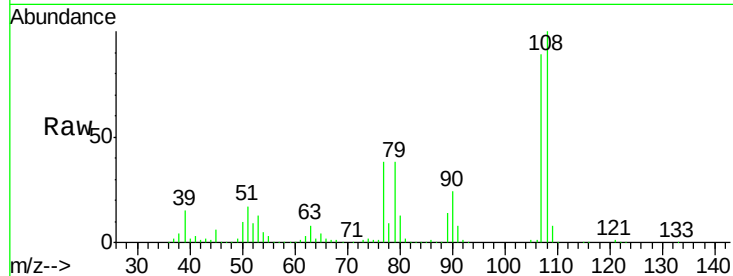
#17  
2-Methylphenol  
Concen: 38.498 ng  
RT: 7.14 min Scan# 859  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

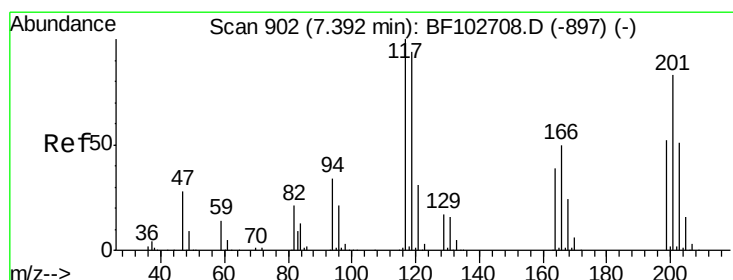
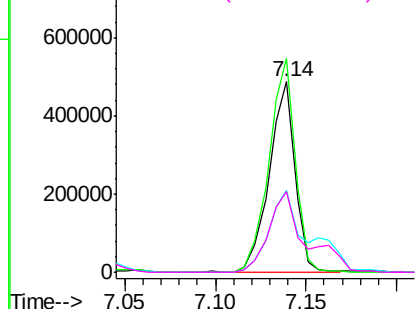
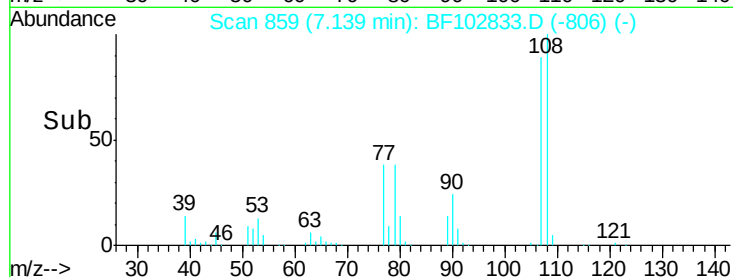
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 479509 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.2 | 91.7  | 137.5  |
| 77        | 42.8  | 33.8  | 50.8   |
| 79        | 42.1  | 33.8  | 50.8   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM

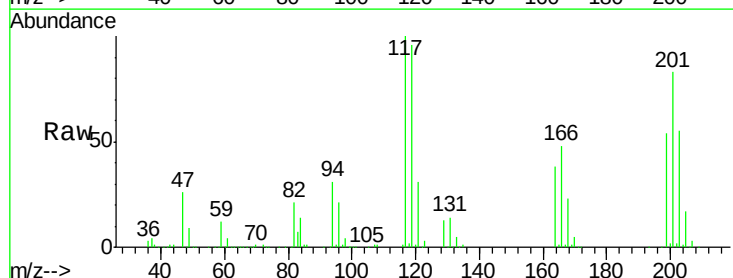


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

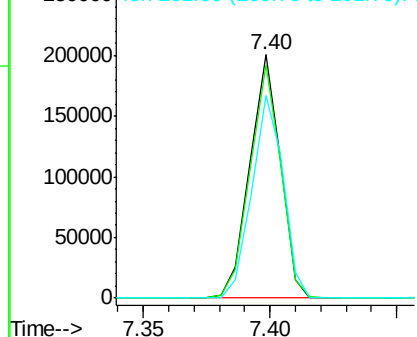
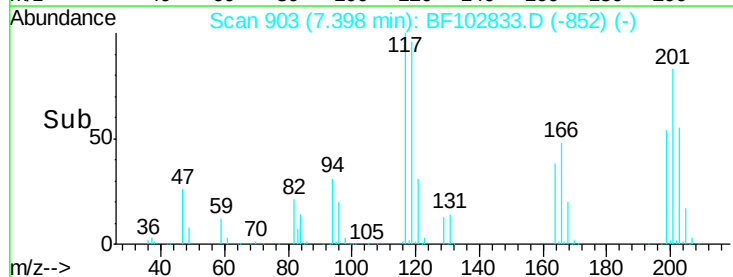


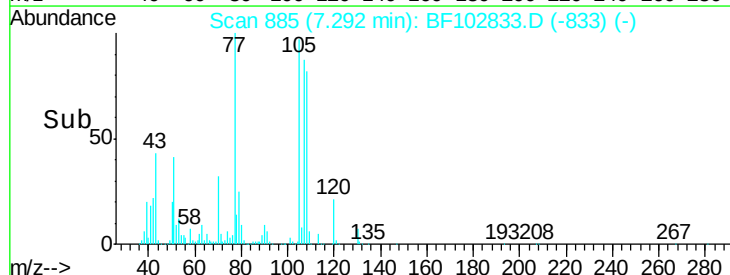
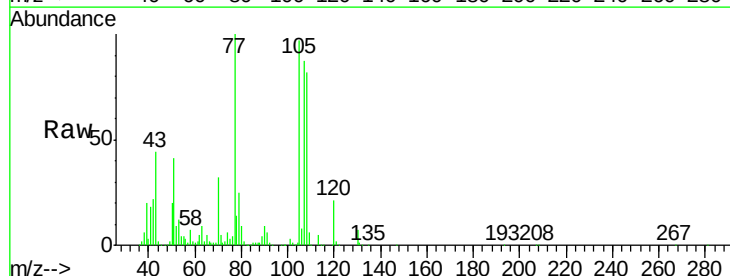
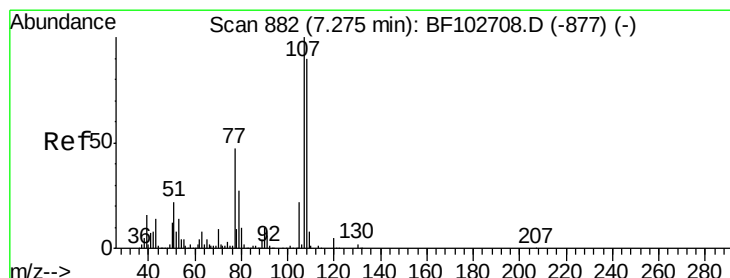
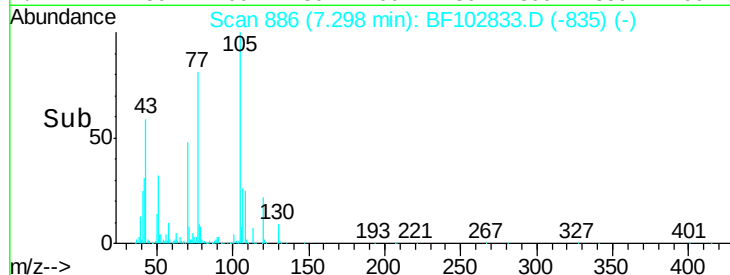
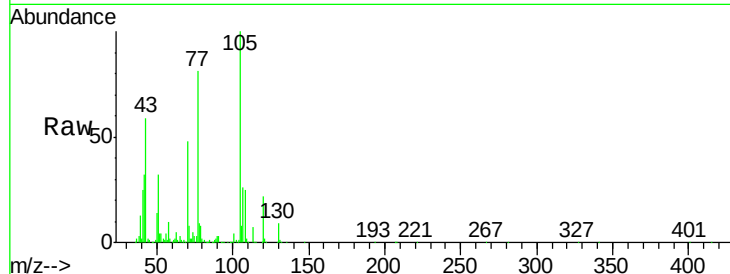
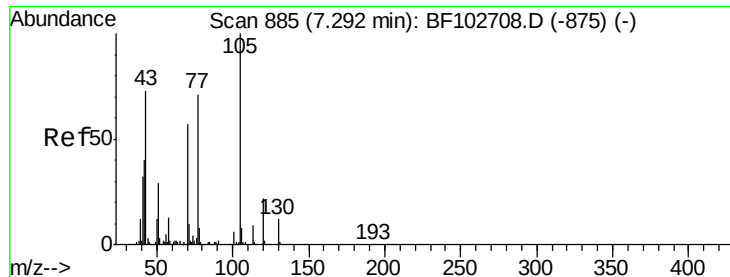
#18  
Hexachloroethane  
Concen: 31.456 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 168020 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.9  | 75.8  | 113.8  |
| 201       | 83.5  | 75.7  | 113.5  |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





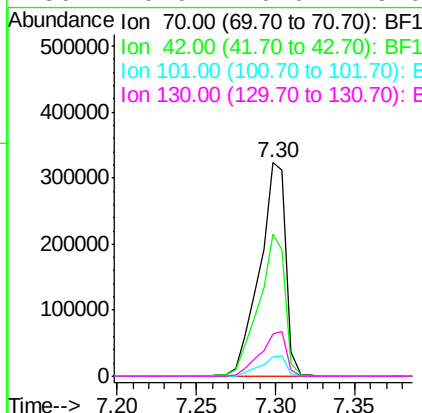
#19  
n-Nitroso-di-n-propylamine  
Concen: 36.065 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 66.2  | 47.5  | 71.3  |
| 101     | 9.0   | 7.4   | 11.2  |
| 130     | 19.9  | 16.6  | 25.0  |

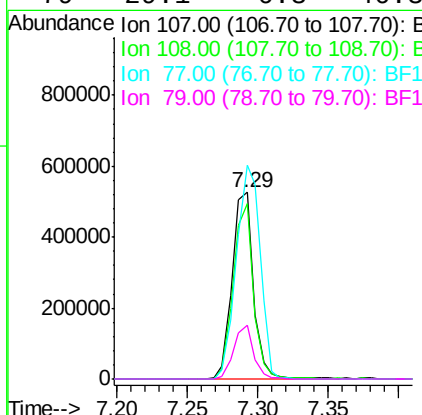
Manual Integrations  
APPROVED

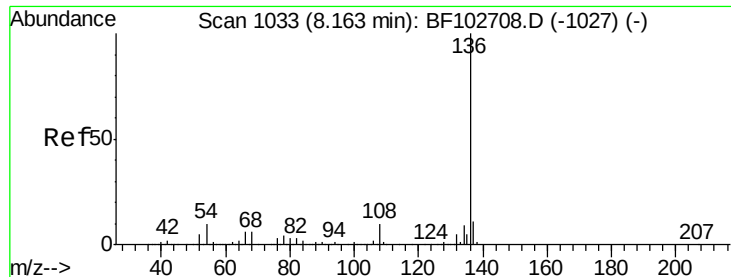
Sohil  
2/8/2018 1:41:47 PM



#20  
3+4-Methylphenols  
Concen: 35.833 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 94.1  | 68.2  | 108.2 |
| 77      | 114.5 | 26.7  | 66.7# |
| 79      | 29.1  | 6.3   | 46.3  |





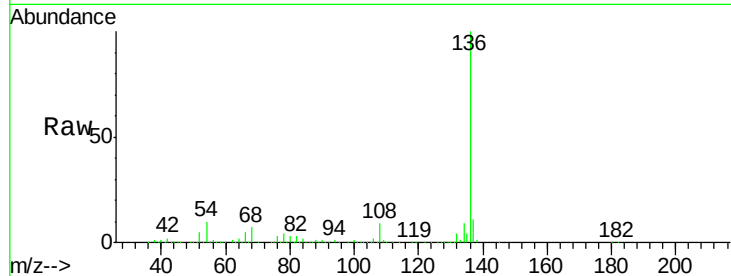
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

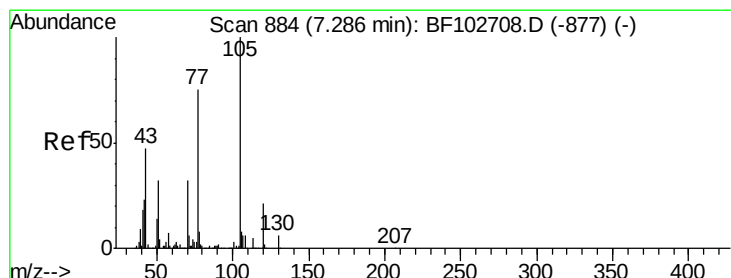
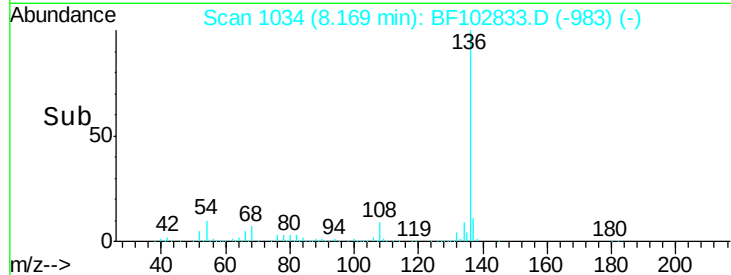
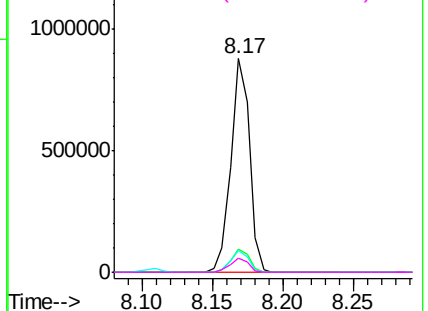
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.0  | 8.9  | 13.3  |       |
| 54      | 10.2  | 6.6  | 9.8   |       |
| 68      | 6.5   | 5.0  | 7.4   |       |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



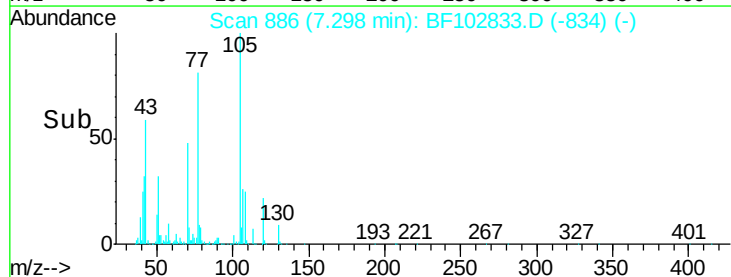
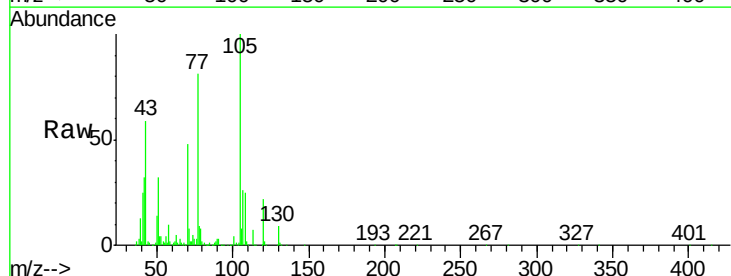
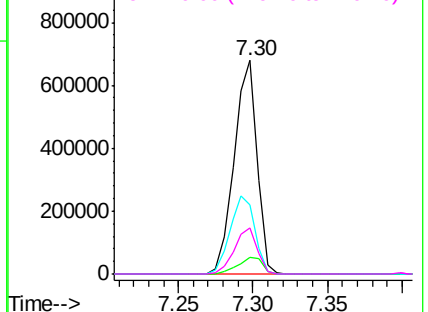
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

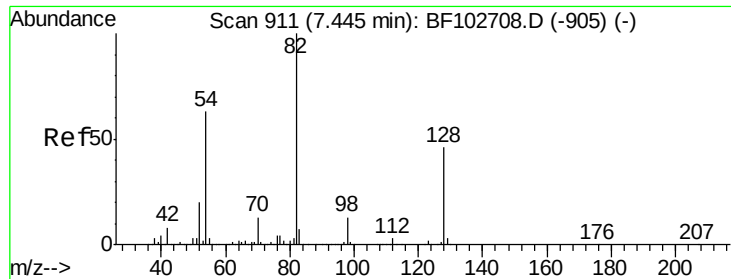


#22  
Acetophenone  
Concen: 37.086 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 7.7   | 4.4  | 6.6   |       |
| 51      | 32.3  | 22.3 | 33.5  |       |
| 120     | 21.7  | 16.9 | 25.3  |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E





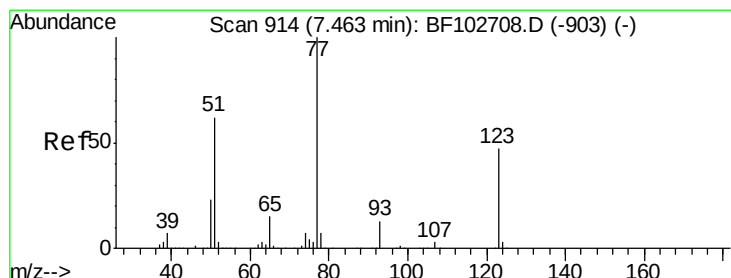
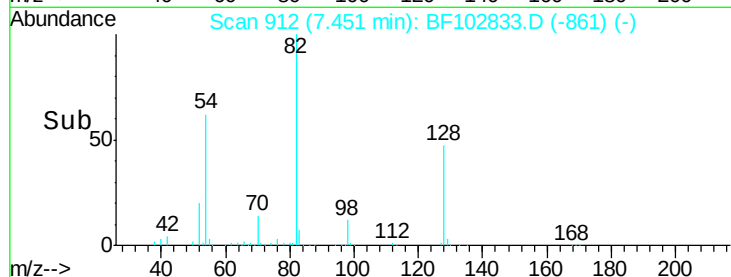
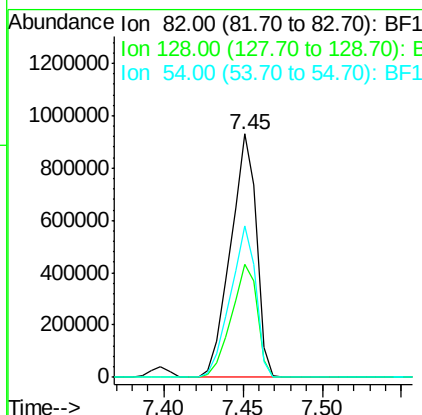
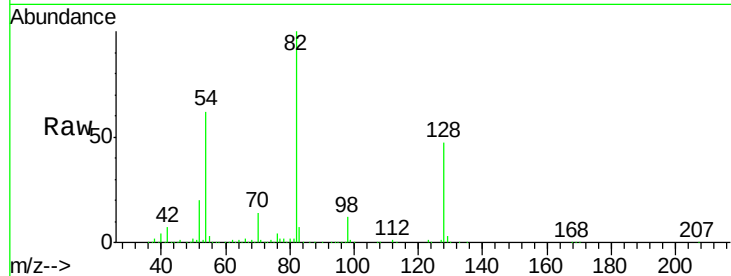
#23  
 Nitrobenzene-d5  
 Concen: 90.364 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 3N-15MSD

Tot Ion: 82 Resp: 1049686  
 Ion Ratio Lower Upper  
 82 100  
 128 46.7 36.1 54.1  
 54 62.2 41.4 62.2#

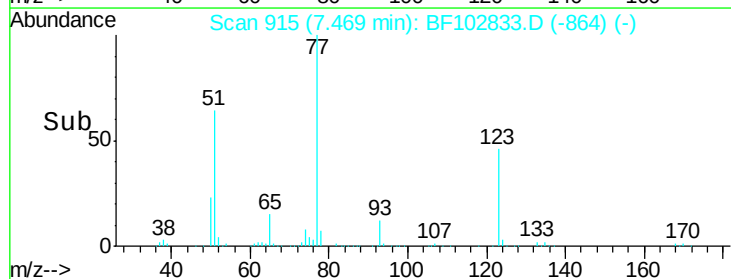
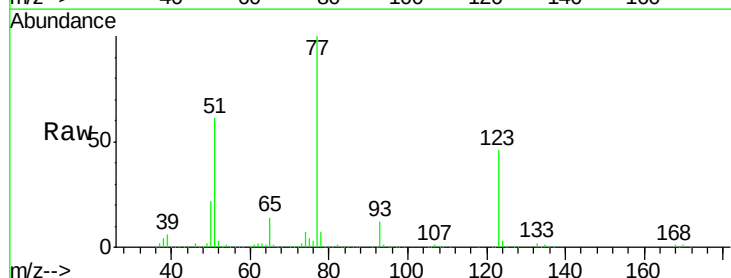
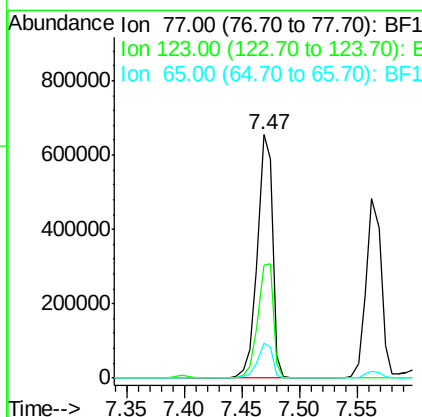
Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM

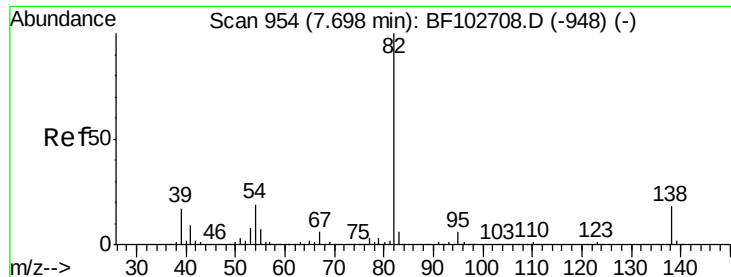


#24  
 Nitrobenzene  
 Concen: 44.056 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Tgt Ion: 77 Resp: 601993  
 Ion Ratio Lower Upper  
 77 100  
 123 46.3 37.9 56.9  
 65 14.4 11.0 16.4







#25

Isophorone

Concen: 40.556 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion: 82 Resp: 1084782

Ion Ratio Lower Upper

82 100

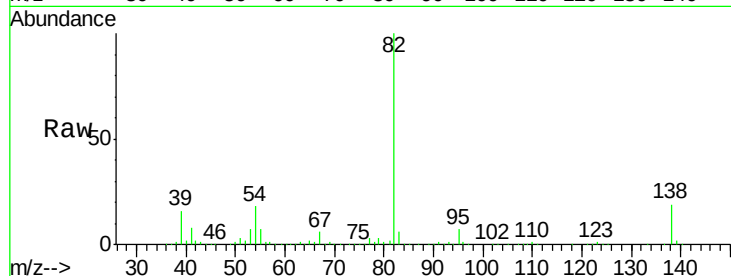
95 6.6 5.2 7.8

138 19.0 14.9 22.3

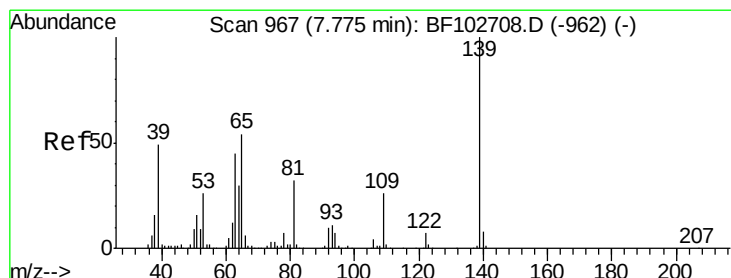
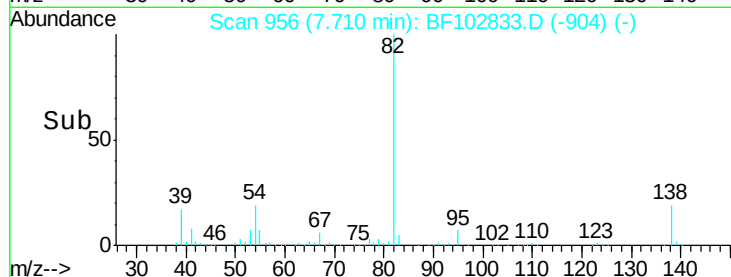
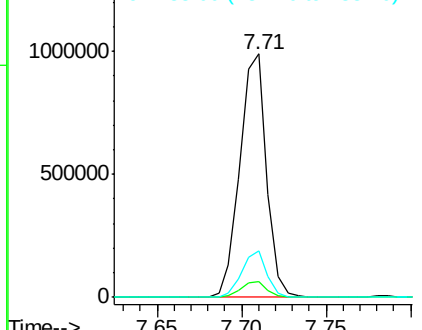
Manual Integrations  
APPROVED

Sohil

2/8/2018 1:41:47 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 49.945 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

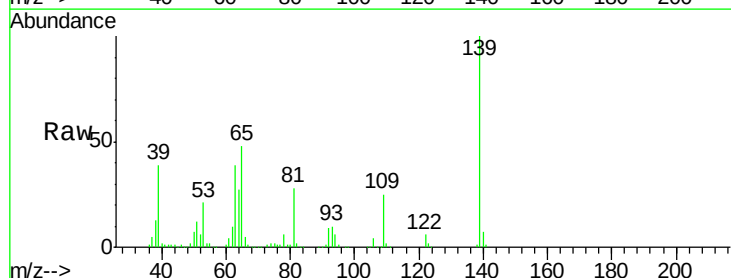
Tgt Ion: 139 Resp: 282771

Ion Ratio Lower Upper

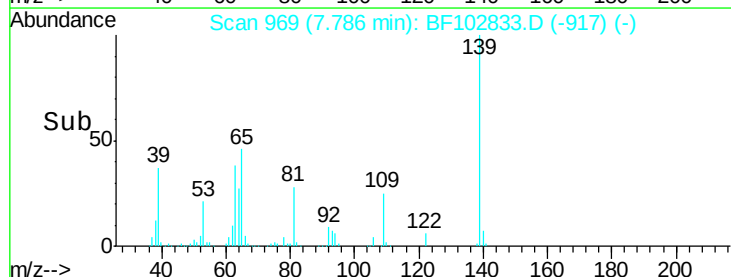
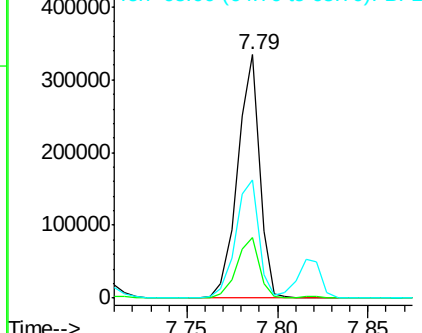
139 100

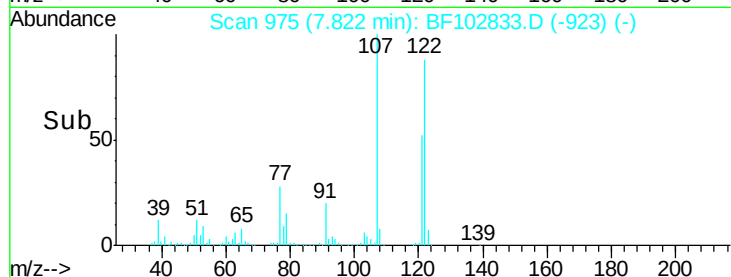
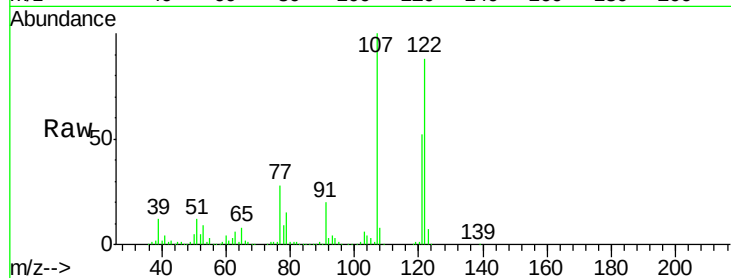
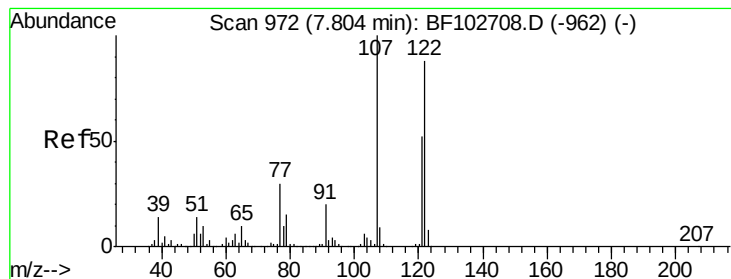
109 24.7 22.7 34.1

65 48.4 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





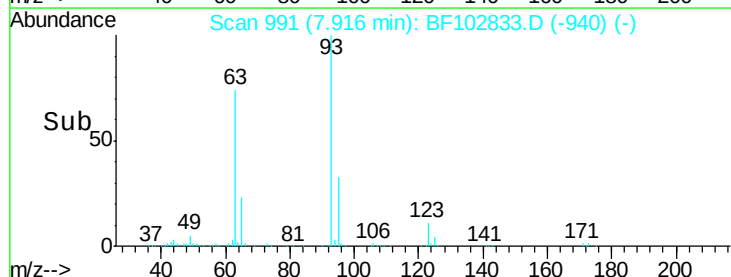
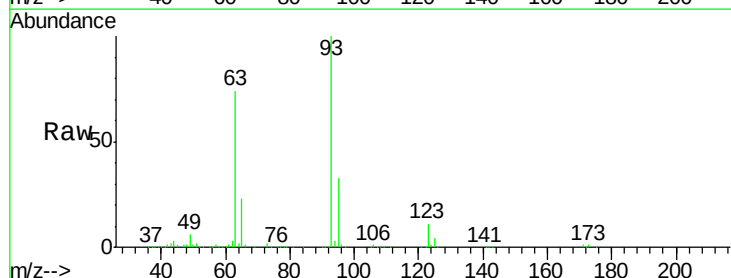
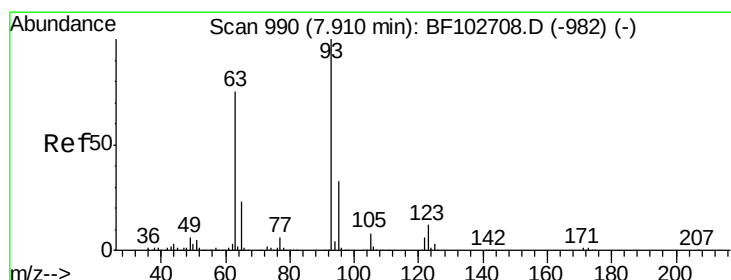
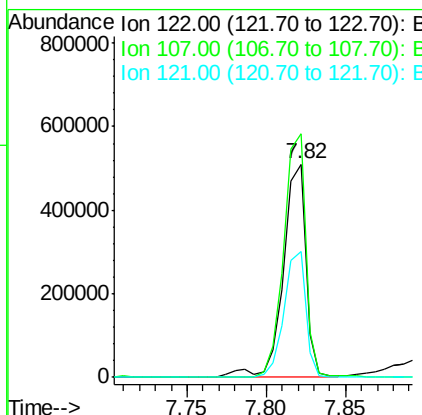
#27  
2,4-Dimethylphenol  
Concen: 44.943 ng  
RT: 7.82 min Scan# 975  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 507876 |       |       |
| 107     | 114.1 | 91.2   | 136.8 |       |
| 121     | 59.1  | 47.2   | 70.8  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

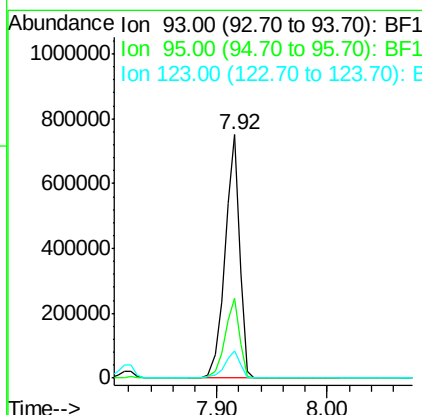
Manual Integrations  
APPROVED

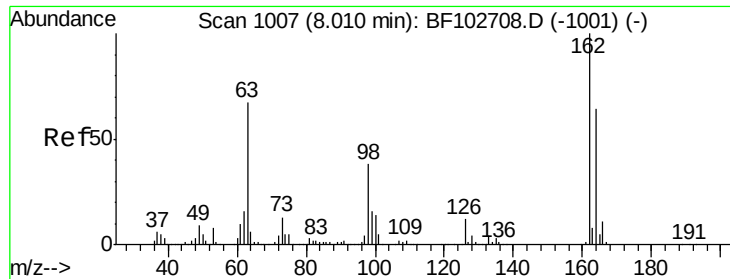
Sohil  
2/8/2018 1:41:47 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.743 ng  
RT: 7.92 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 693120 |       |       |
| 95      | 32.7  | 26.3   | 39.5  |       |
| 123     | 11.1  | 9.8    | 14.6  |       |





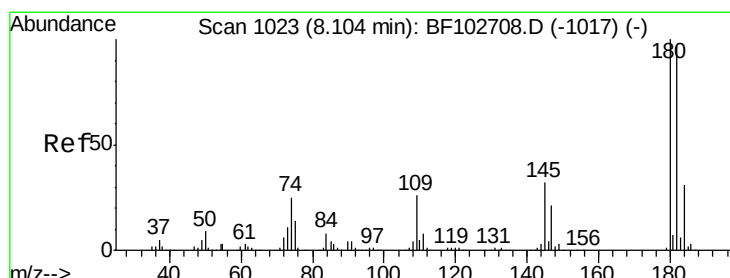
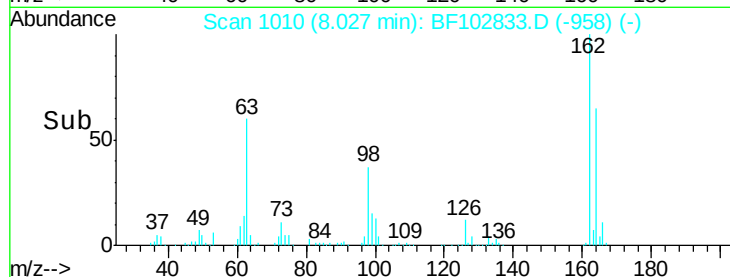
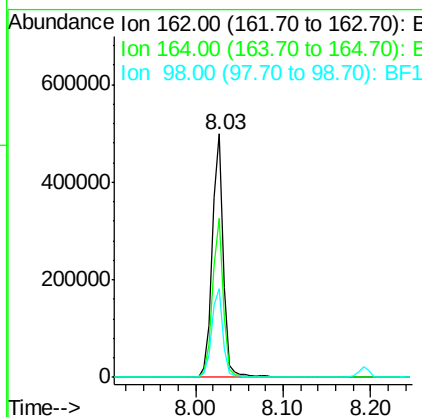
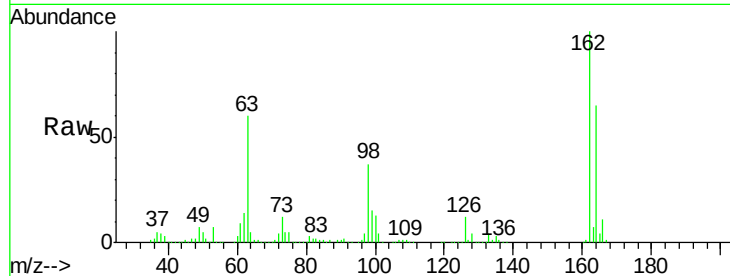
#29  
2,4-Dichlorophenol  
Concen: 42.920 ng  
RT: 8.03 min Scan# 1010  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 440916 |       |       |
| 164     | 65.2  | 42.7   | 82.7  |       |
| 98      | 36.6  | 18.1   | 58.1  |       |

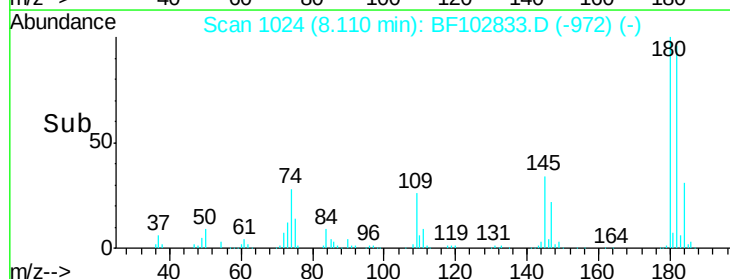
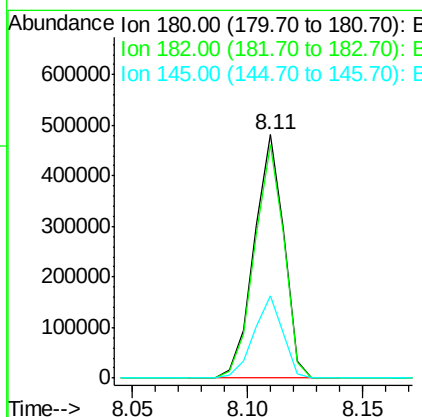
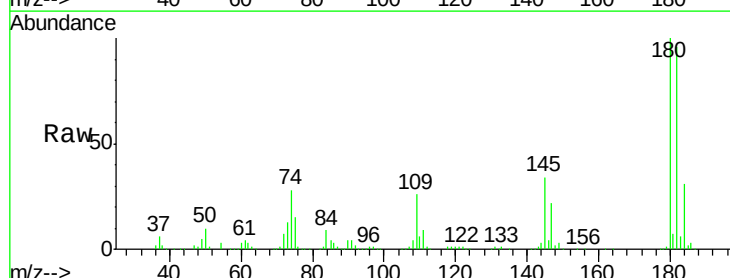
Manual Integrations  
APPROVED

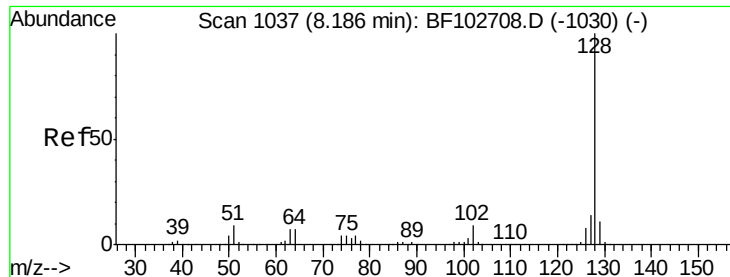
Sohil  
2/8/2018 1:41:47 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 37.281 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 433259 |       |       |
| 182     | 95.9  | 76.8   | 115.2 |       |
| 145     | 33.9  | 26.5   | 39.7  |       |





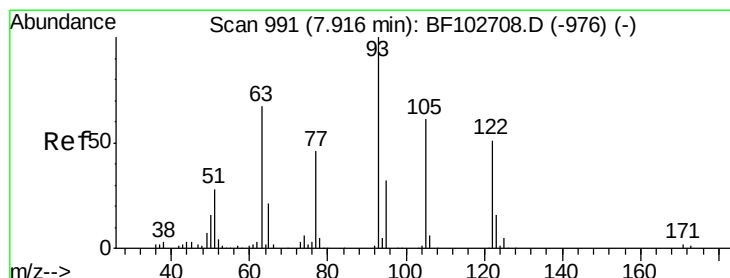
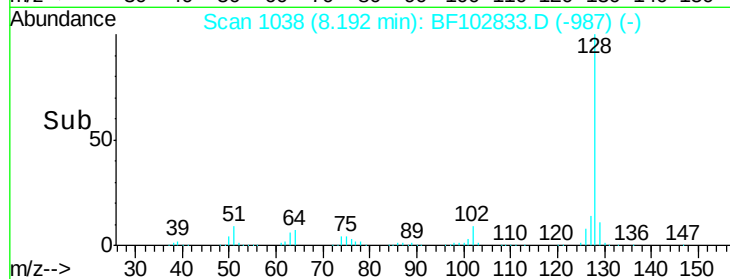
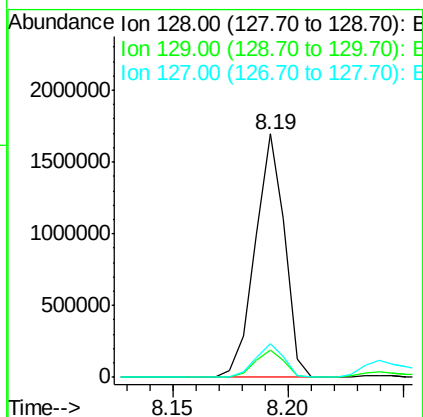
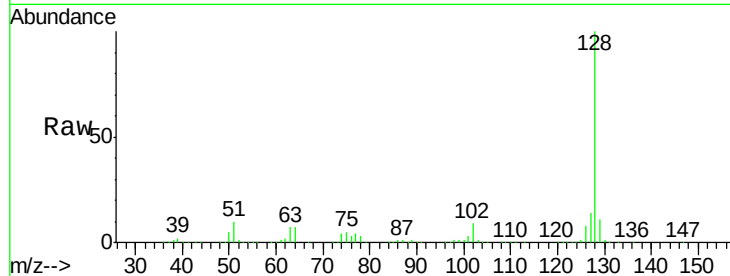
#31  
Naphthalene  
Concen: 38.213 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.8   | 13.2  |
| 127     | 13.7  | 10.9  | 16.3  |

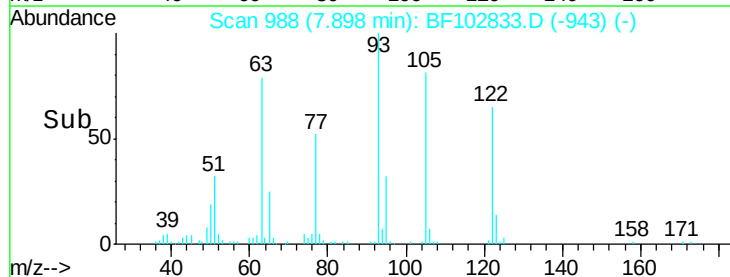
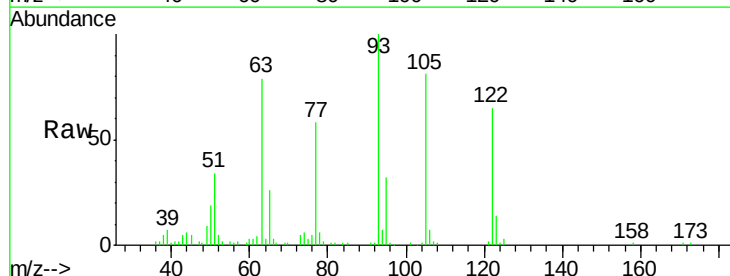
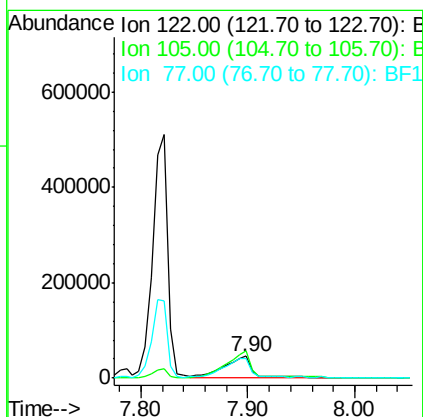
Manual Integrations  
APPROVED

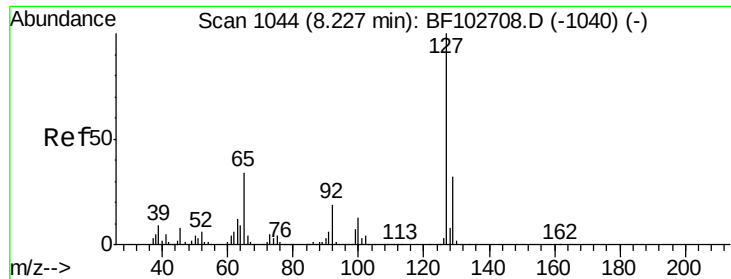
Sohil  
2/8/2018 1:41:47 PM



#32  
Benzoic acid  
Concen: 17.603 ng m  
RT: 7.90 min Scan# 988  
Delta R.T. -0.04 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 124.9 | 101.1 | 141.1 |
| 77      | 88.4  | 70.7  | 110.7 |





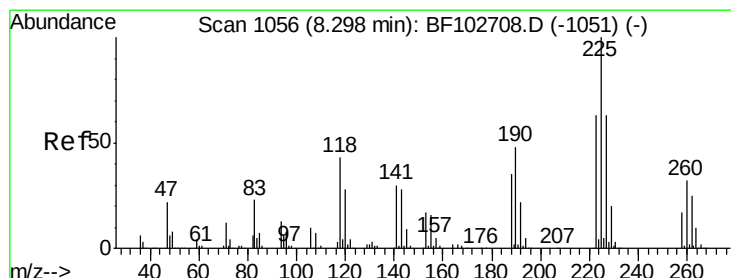
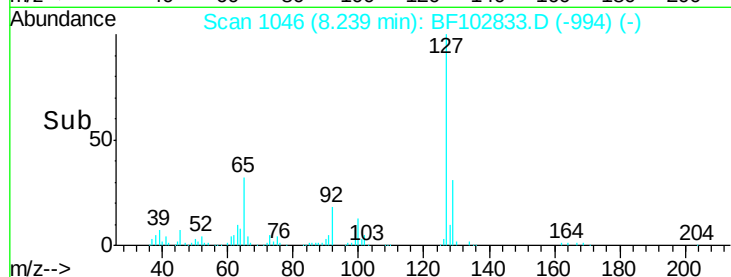
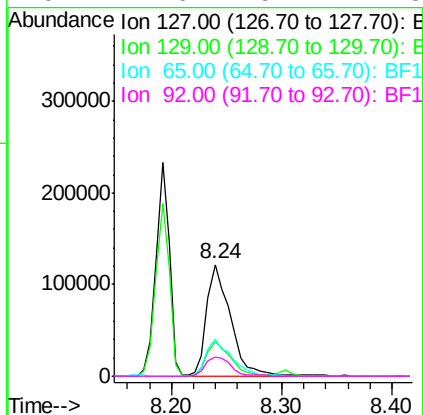
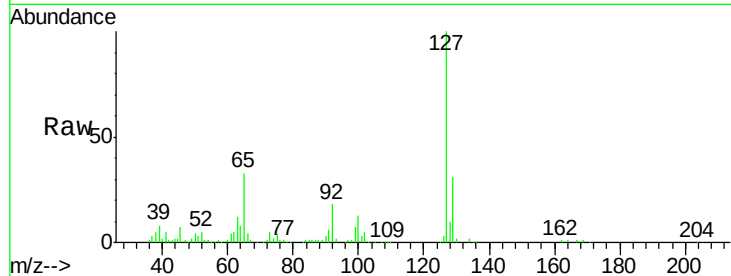
#33  
4-Chloroaniline  
Concen: 10.484 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampled :  
3N-15MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 177807 |       |       |
| 129     | 30.9 | 25.9  | 38.9   |       |       |
| 65      | 32.9 | 25.0  | 37.4   |       |       |
| 92      | 17.6 | 15.2  | 22.8   |       |       |

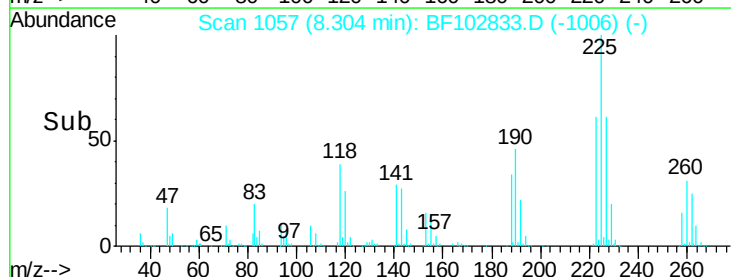
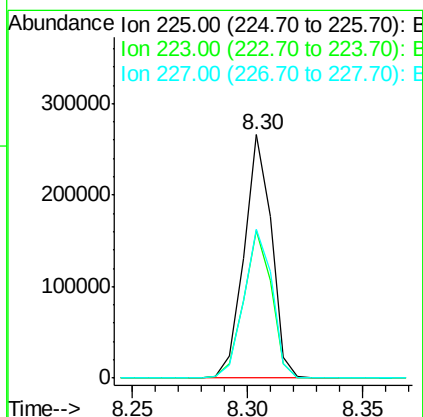
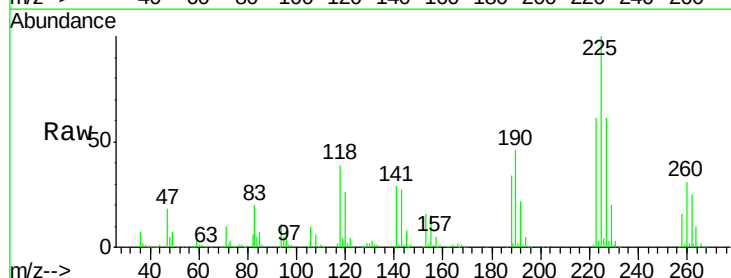
Manual Integrations  
APPROVED

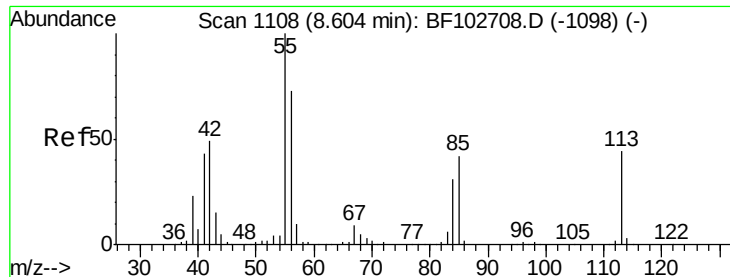
Sohil  
2/8/2018 1:41:47 PM



#34  
Hexachlorobutadiene  
Concen: 37.028 ng  
RT: 8.30 min Scan# 1057  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 220509 |       |       |
| 223     | 60.8 | 50.6  | 76.0   |       |       |
| 227     | 61.3 | 51.9  | 77.9   |       |       |





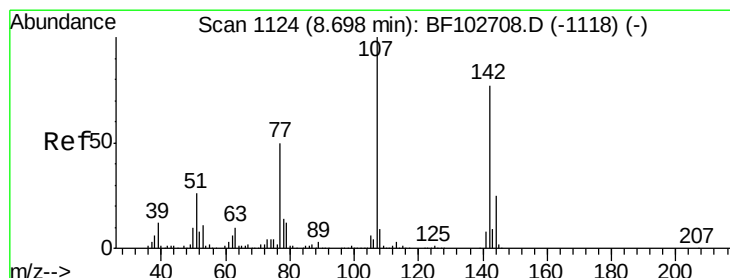
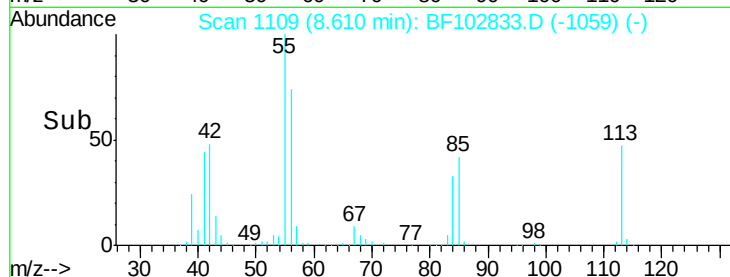
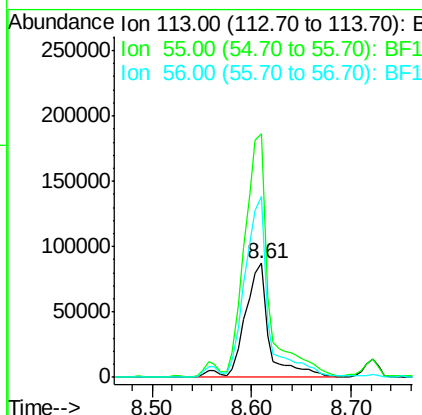
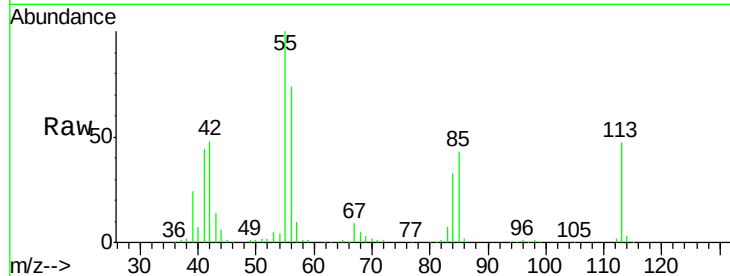
#35  
Caprolactam  
Concen: 41.391 ng/ml  
RT: 8.61 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampled :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 213.0 | 163.3 | 203.3# |
| 56      | 157.8 | 115.7 | 155.7# |

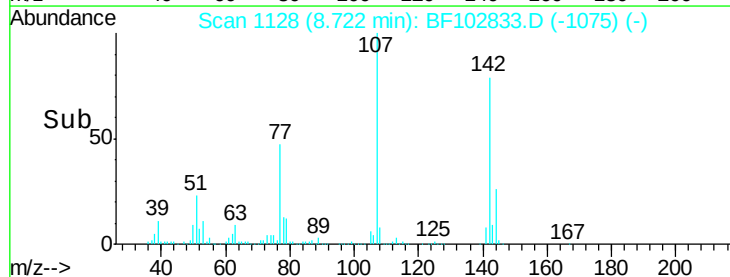
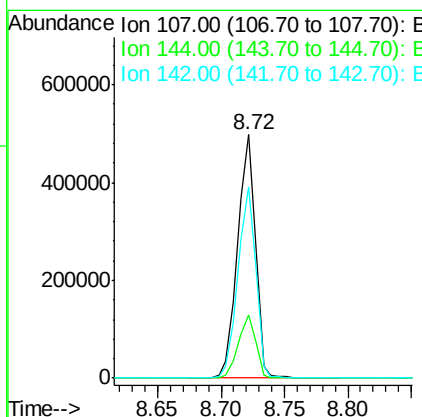
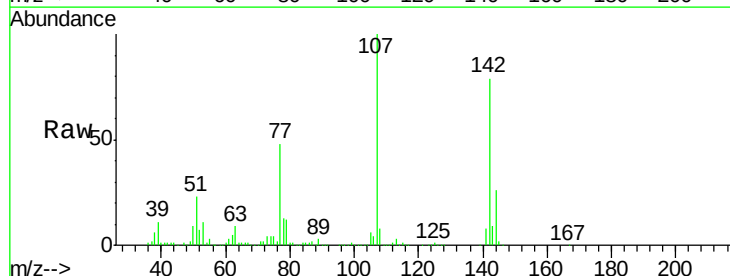
Manual Integrations  
APPROVED

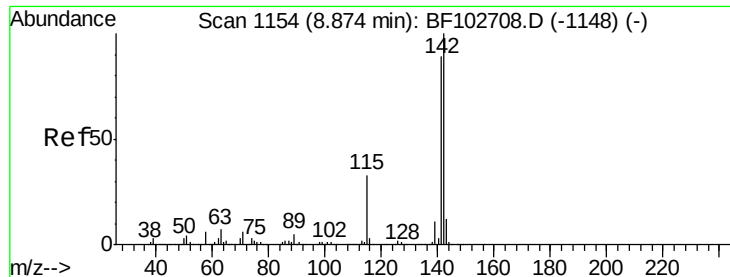
Sohil  
2/8/2018 1:41:47 PM



#36  
4-Chloro-3-methylphenol  
Concen: 41.589 ng/ml  
RT: 8.72 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.0  | 20.5  | 30.7  |
| 142     | 78.5  | 62.0  | 93.0  |





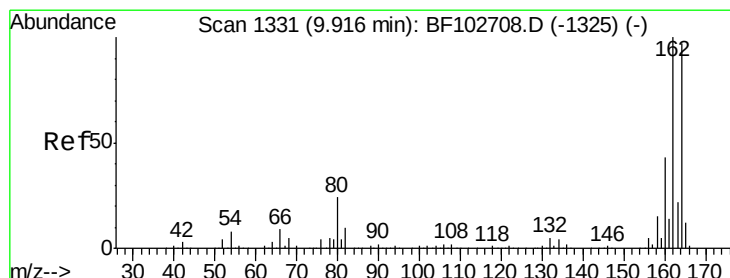
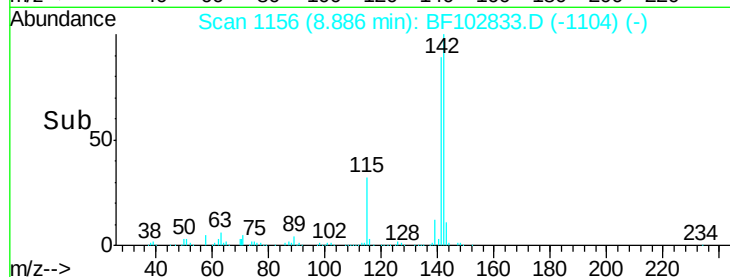
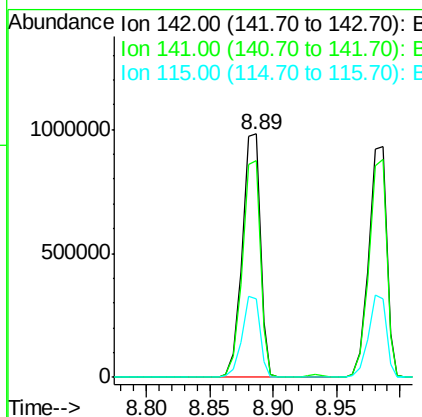
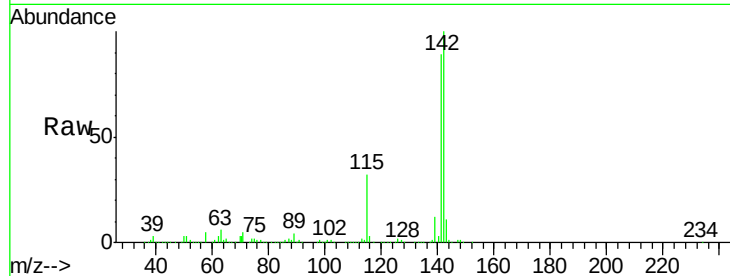
#37  
2-Methylnaphthalene  
Concen: 37.550 ng  
RT: 8.89 min Scan# 1156  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 70.8  | 106.2 |
| 115     | 32.3  | 26.1  | 39.1  |

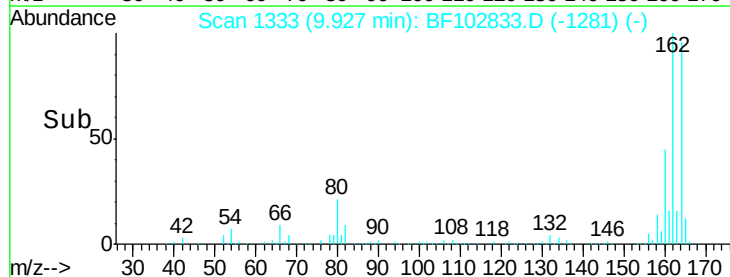
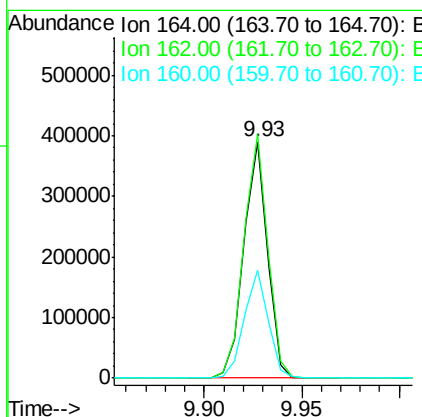
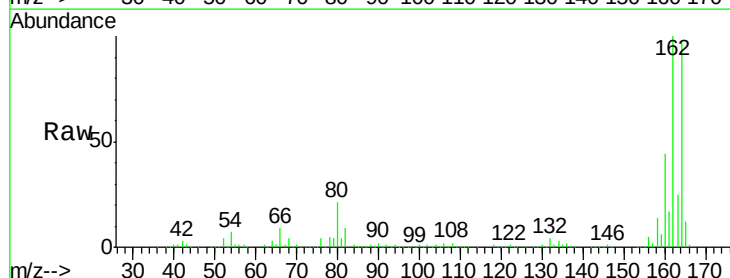
Manual Integrations  
APPROVED

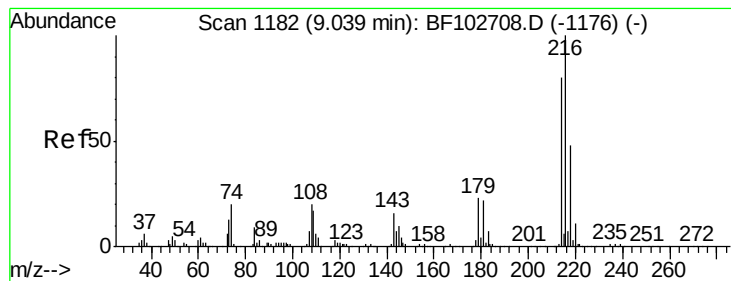
Sohil  
2/8/2018 1:41:47 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 86.1  | 129.1 |
| 160     | 45.9  | 38.3  | 57.5  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.331 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF102833.D

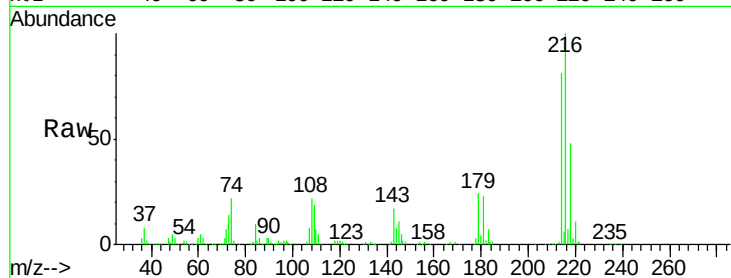
Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

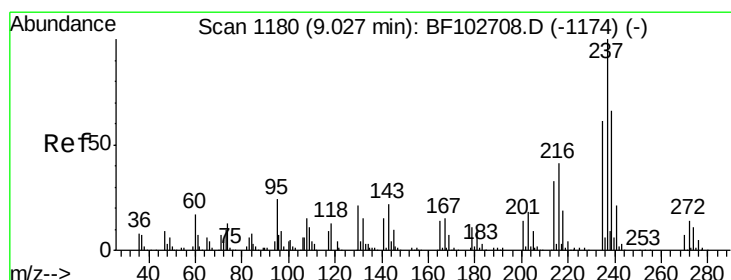
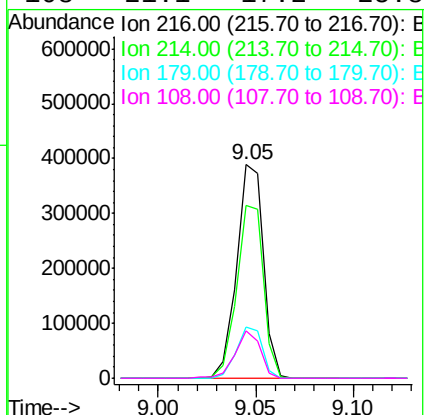
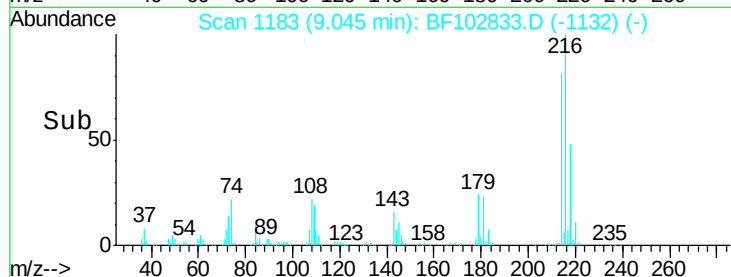
3N-15MSD



| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 80.9 | 63.0  | 94.4 |       |       |
| 179     | 23.7 | 18.1  | 27.1 |       |       |
| 108     | 21.1 | 17.2  | 25.8 |       |       |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#40

Hexachlorocyclopentadiene

Concen: 7.946 ng

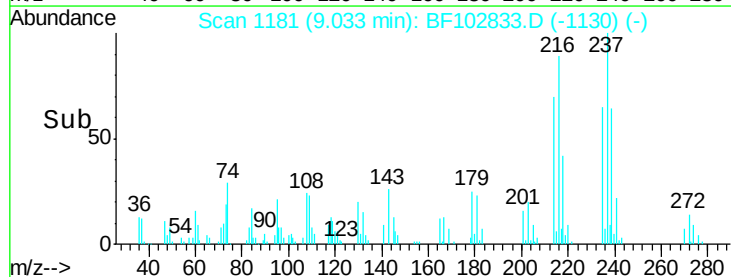
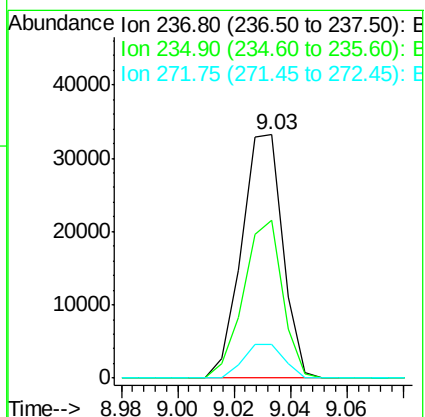
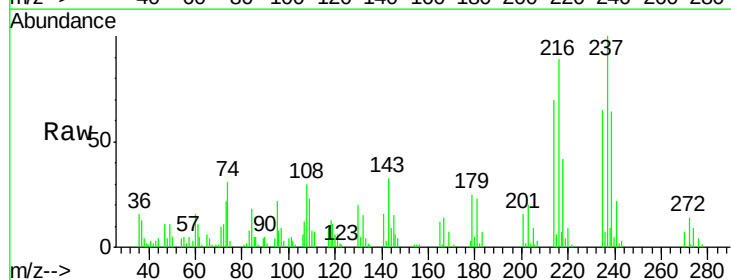
RT: 9.03 min Scan# 1181

Delta R.T. -0.00 min

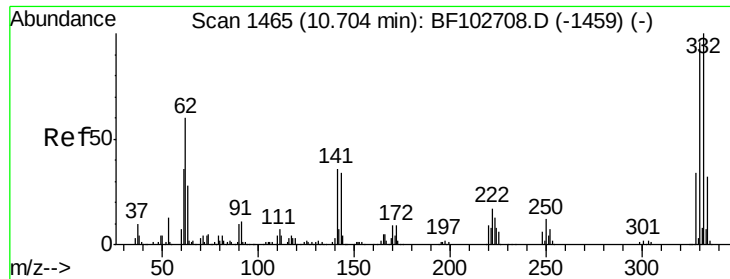
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 64.8 | 44.8  | 84.8 |       |       |
| 272     | 13.6 | 0.0   | 33.3 |       |       |







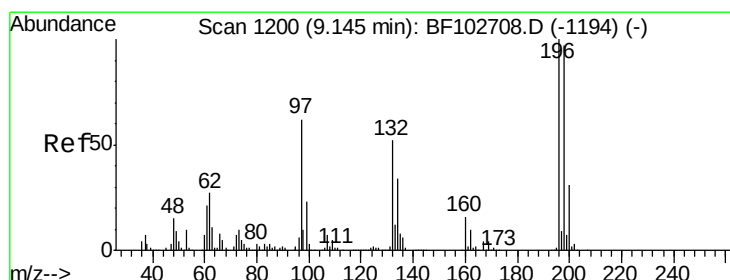
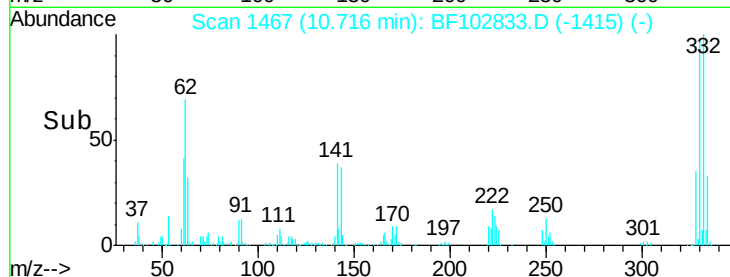
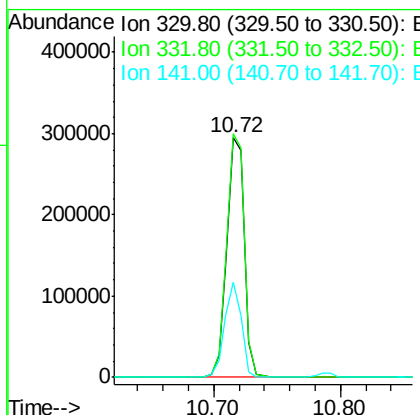
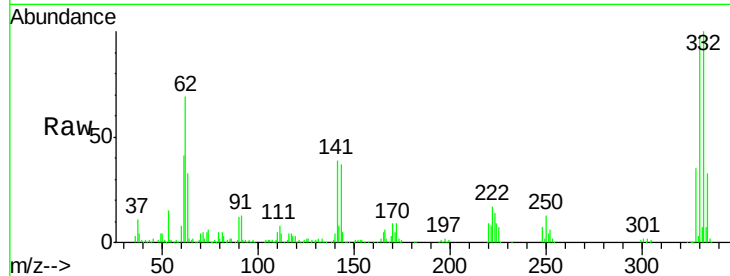
#41  
 2,4,6-Tribromophenol  
 Concen: 106.956 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 281471 |       |       |
| 332     | 102.2 | 77.0   | 115.6 |       |
| 141     | 38.3  | 29.9   | 44.9  |       |

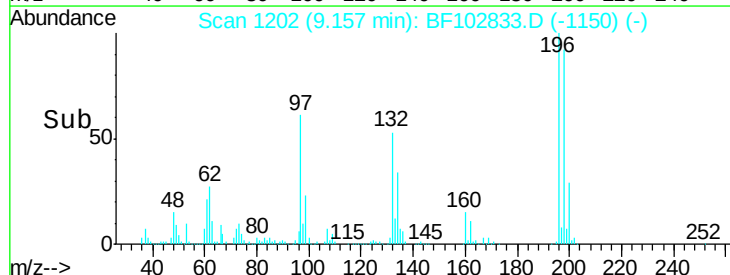
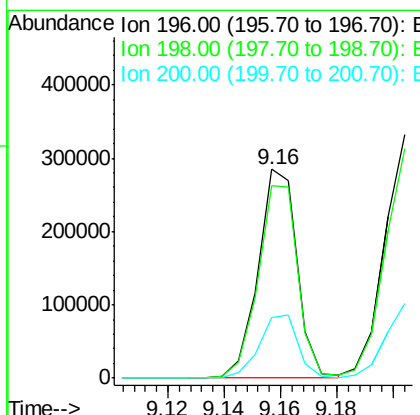
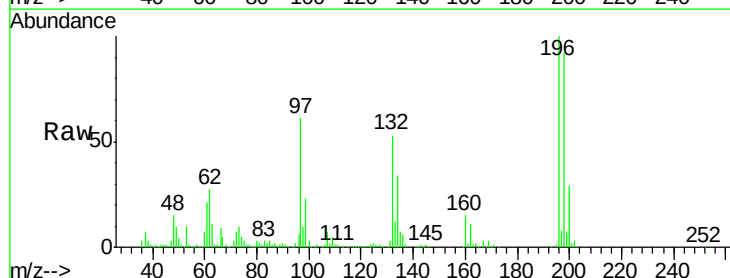
Manual Integrations  
 APPROVED

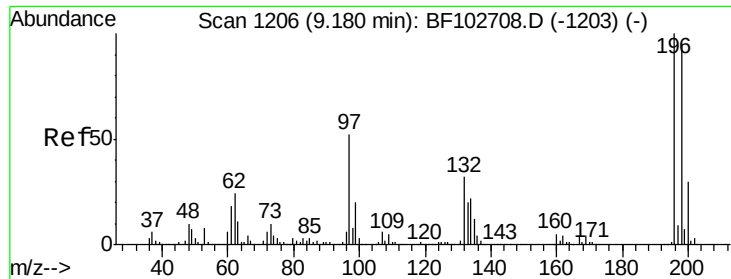
Sohil  
 2/8/2018 1:41:47 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 46.415 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 271408 |       |       |
| 198     | 92.4  | 75.7   | 113.5 |       |
| 200     | 29.0  | 24.5   | 36.7  |       |





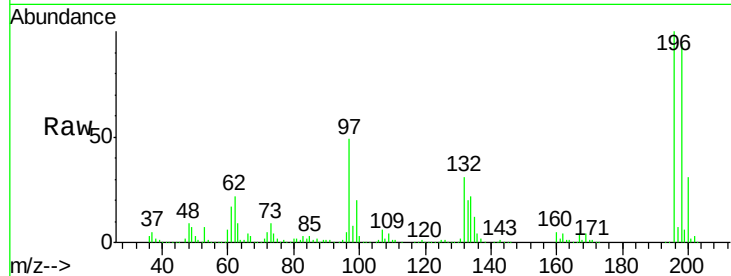
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.753 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 3N-15MSD

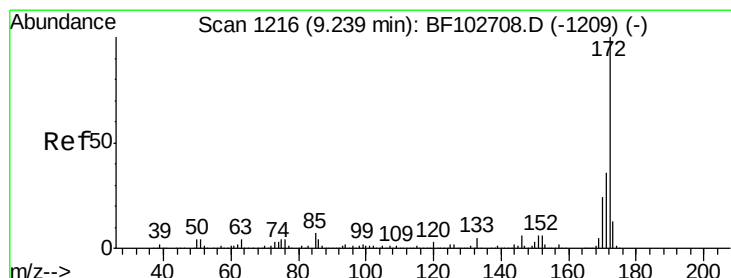
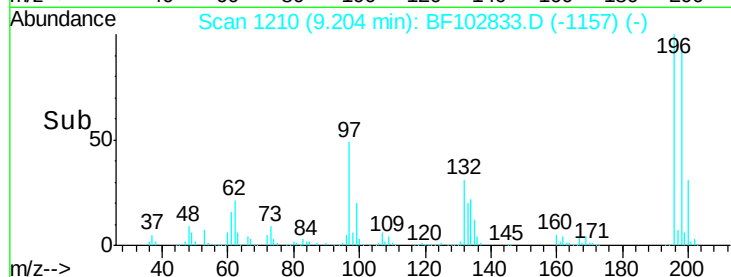
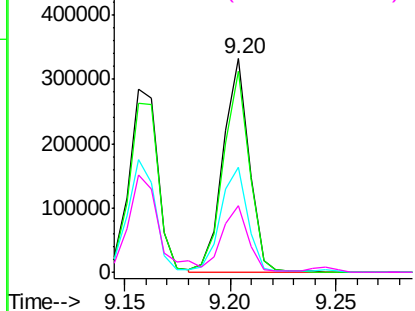
| Tot Ion   | 196   | Resp  | 281771 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.3  | 74.6  | 112.0  |
| 97        | 49.4  | 42.9  | 64.3   |
| 132       | 31.1  | 26.3  | 39.5   |

Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM

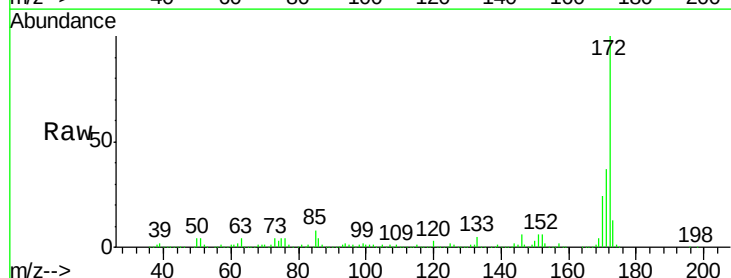


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

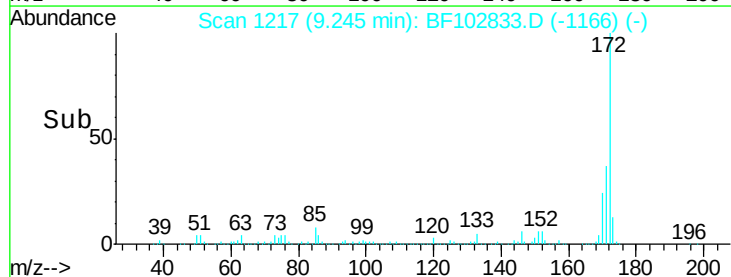
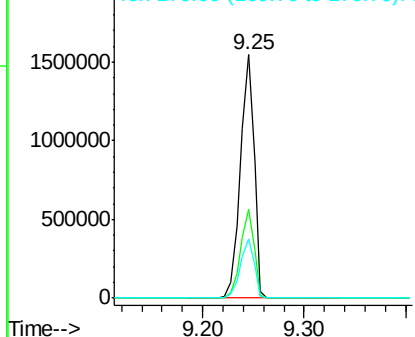


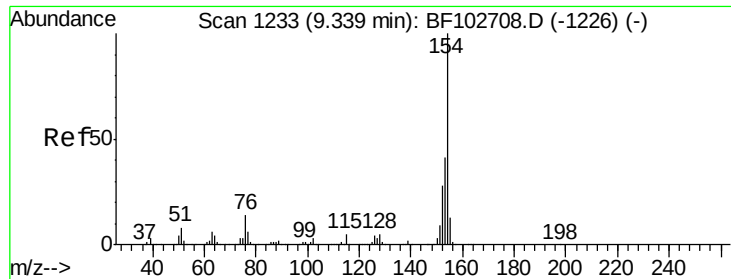
#44  
 2-Fluorobiphenyl  
 Concen: 73.924 ng  
 RT: 9.25 min Scan# 1217  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion   | 172   | Resp  | 1456599 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.5  | 29.7  | 44.5    |
| 170       | 24.2  | 19.6  | 29.4    |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.063 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion:154 Resp: 1075767

Ion Ratio Lower Upper

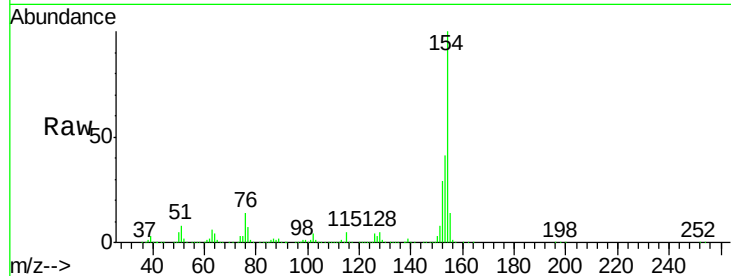
154 100

153 40.7 21.3 61.3

76 14.5 0.0 34.0

Manual Integrations  
APPROVED

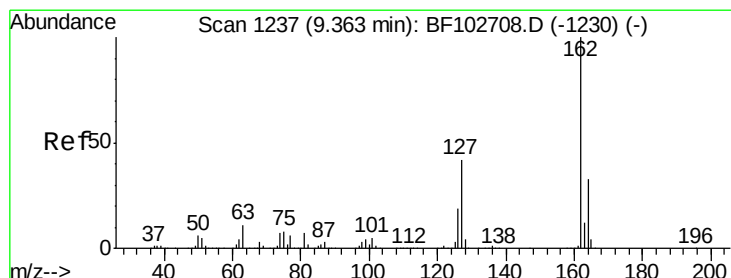
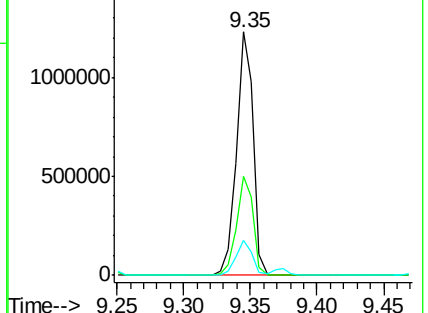
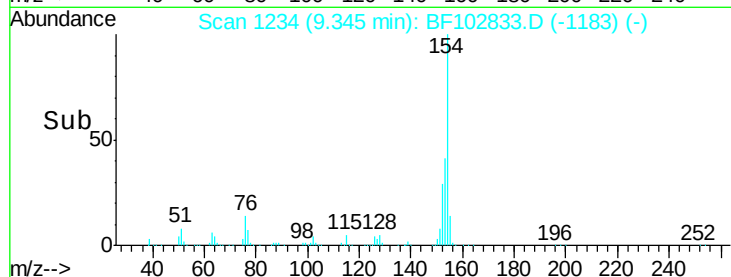
Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 39.433 ng

RT: 9.37 min Scan# 1239

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

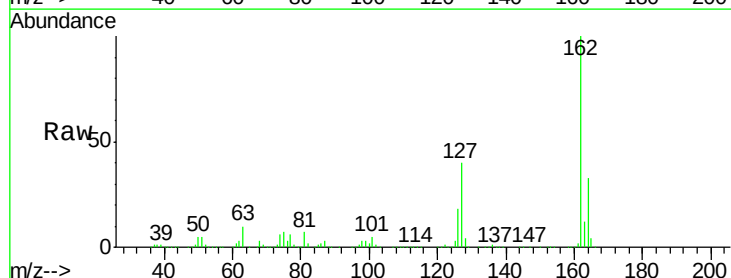
Tgt Ion:162 Resp: 854937

Ion Ratio Lower Upper

162 100

127 40.0 33.9 50.9

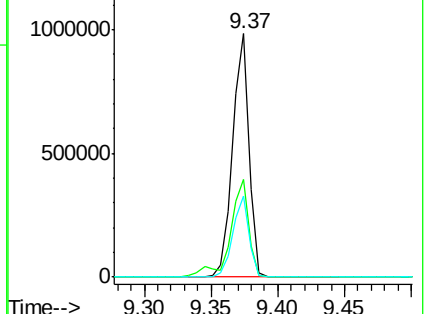
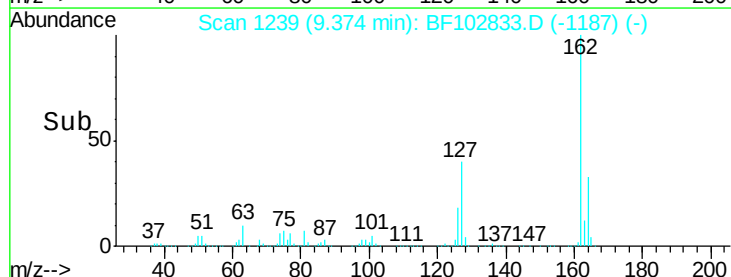
164 33.1 26.5 39.7

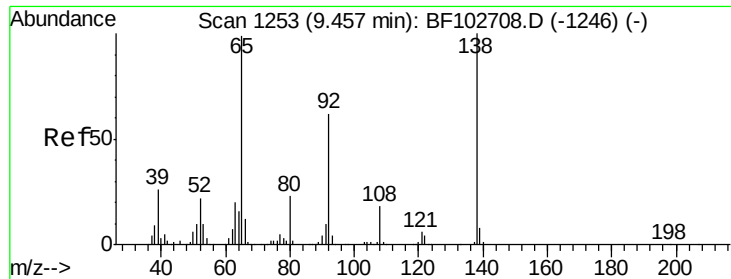


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 48.631 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

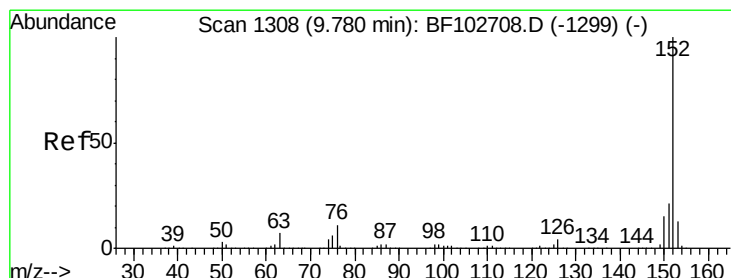
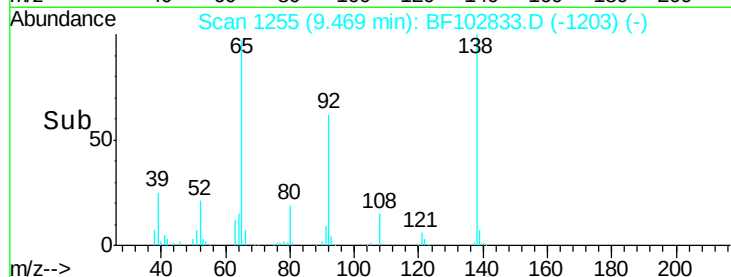
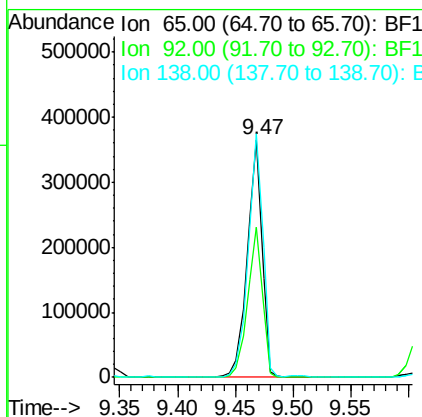
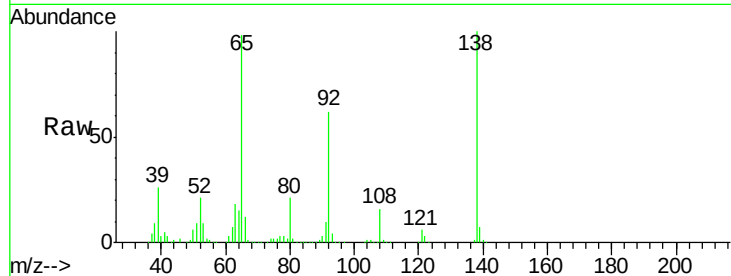
ClientSampleId :

3N-15MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 325679 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 63.2  | 55.8  | 83.6   |
| 138       | 102.4 | 91.2  | 136.8  |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#48

Acenaphthylene

Concen: 36.864 ng

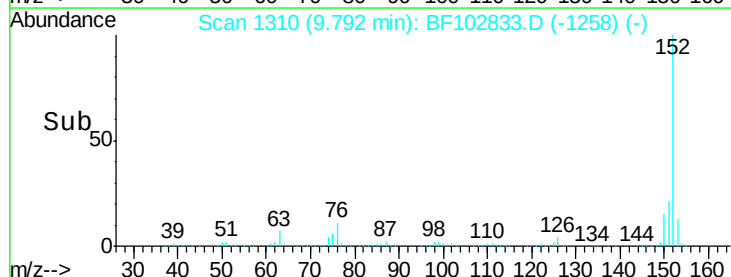
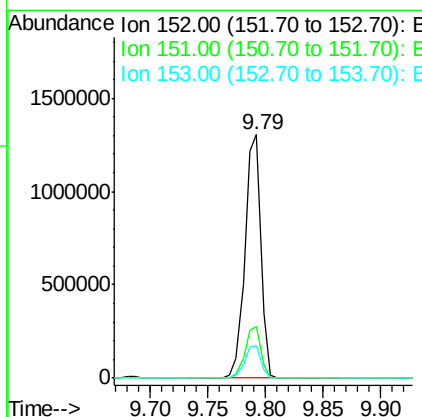
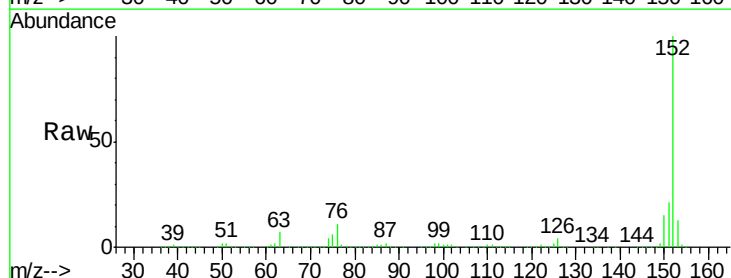
RT: 9.79 min Scan# 1310

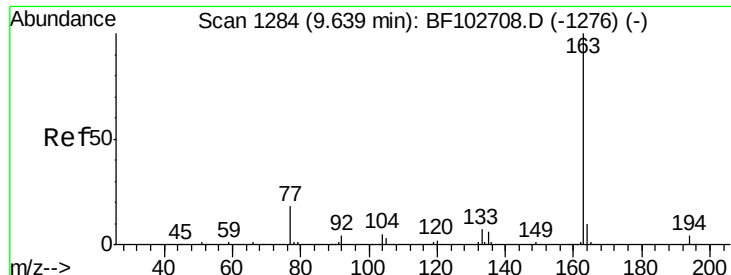
Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1241354 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 21.0  | 16.3  | 24.5    |
| 153       | 13.3  | 10.7  | 16.1    |





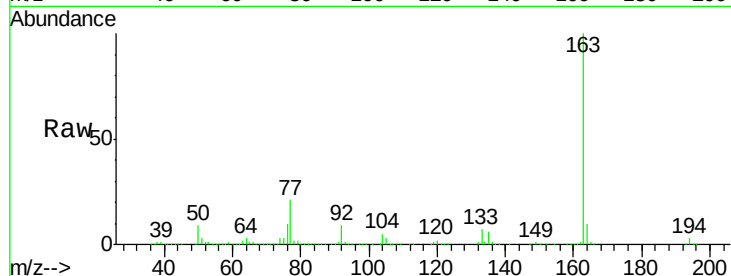
#49  
Dimethylphthalate  
Concen: 44.242 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

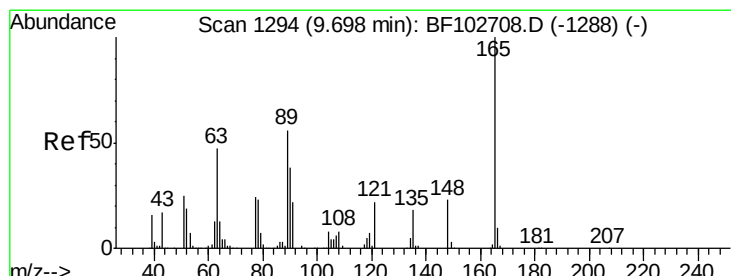
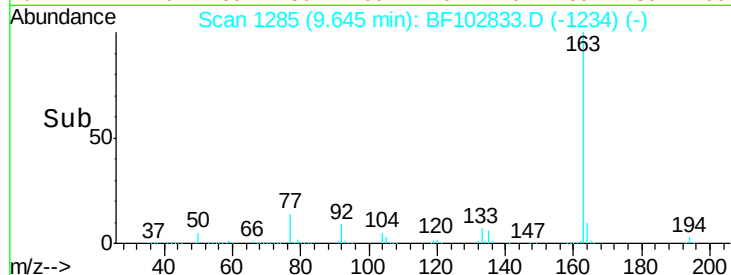
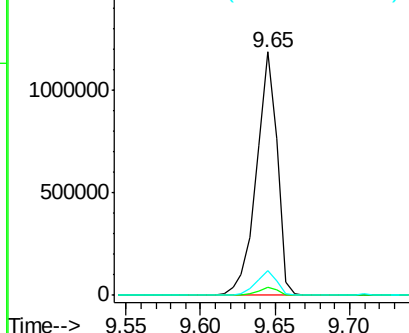
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.4   | 2.7   | 4.1   |
| 164     | 10.1  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



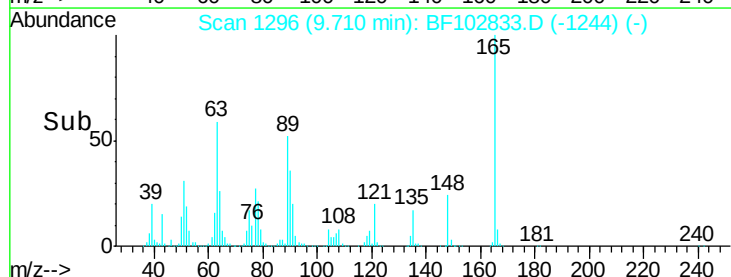
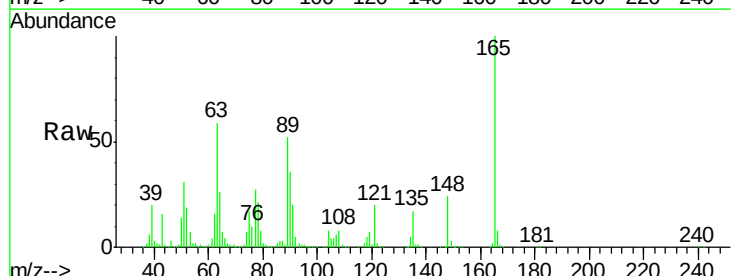
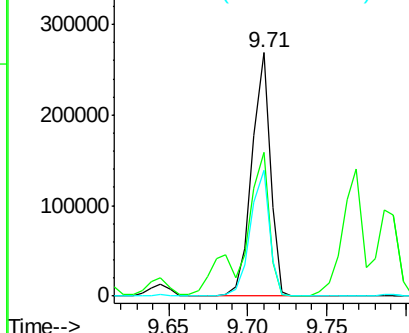
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

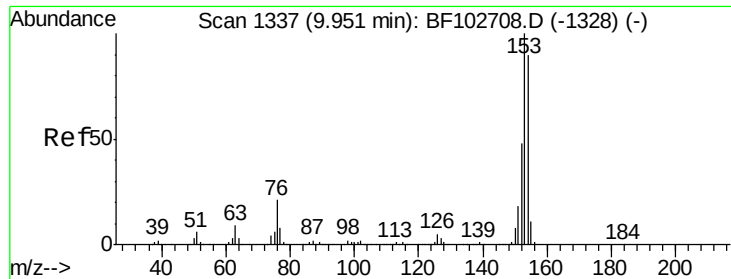


#50  
2,6-Dinitrotoluene  
Concen: 44.902 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 59.0  | 44.7  | 67.1  |
| 89      | 51.7  | 44.0  | 66.0  |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 35.773 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

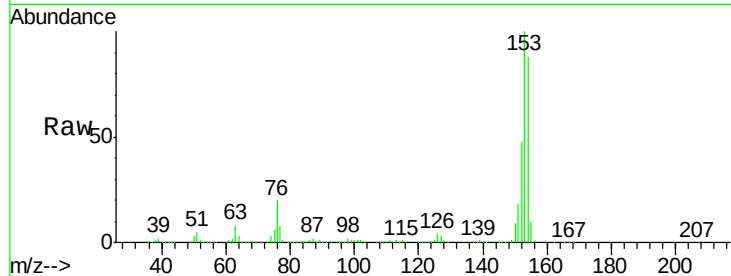
ClientSampleId :

3N-15MSD

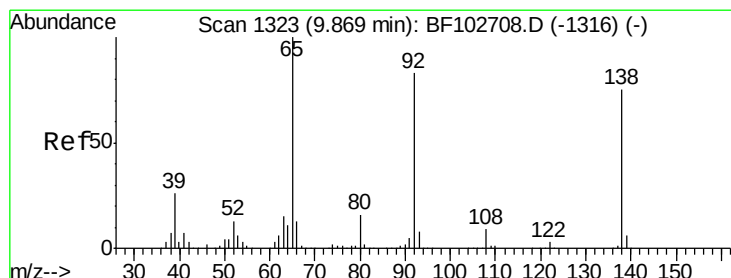
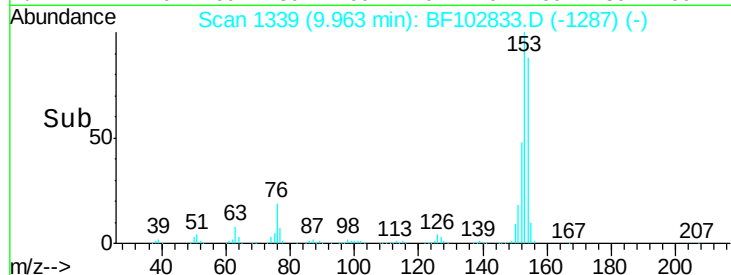
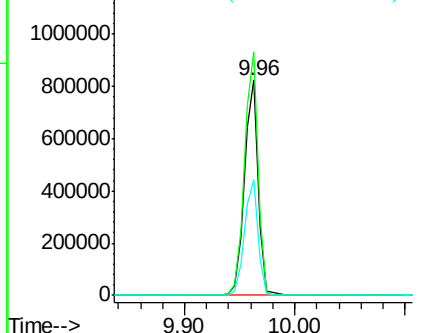
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 720392 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.1 | 91.2  | 136.8  |
| 152       | 53.8  | 43.8  | 65.8   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.022 ng

RT: 9.87 min Scan# 1324

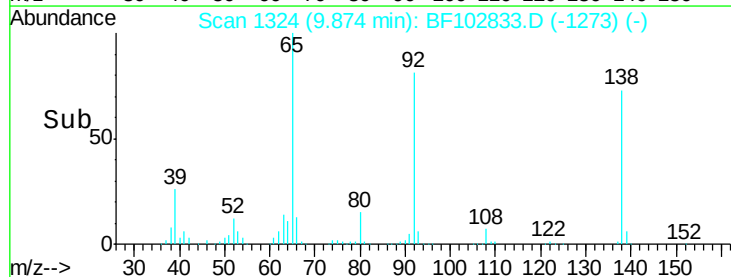
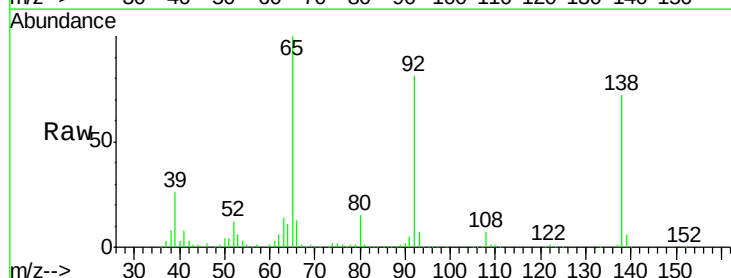
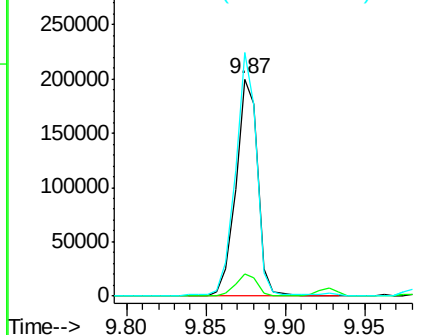
Delta R.T. -0.00 min

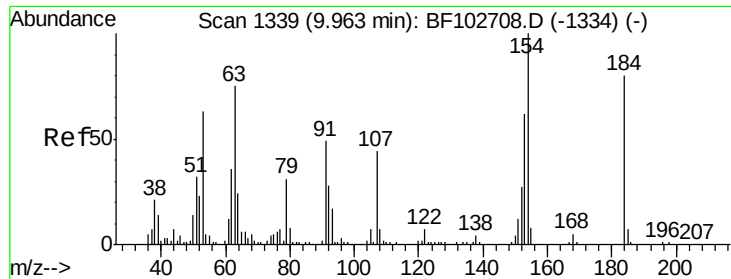
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 191104 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.2  | 9.4   | 14.0   |
| 92        | 112.1 | 89.4  | 134.2  |

Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1





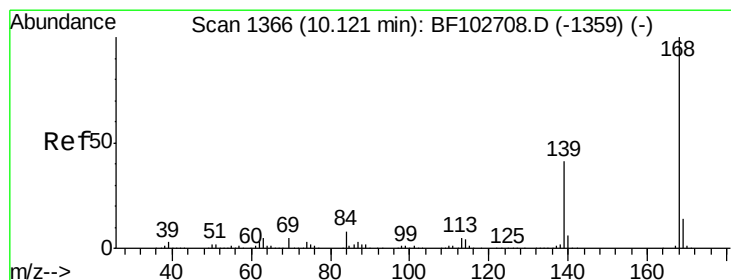
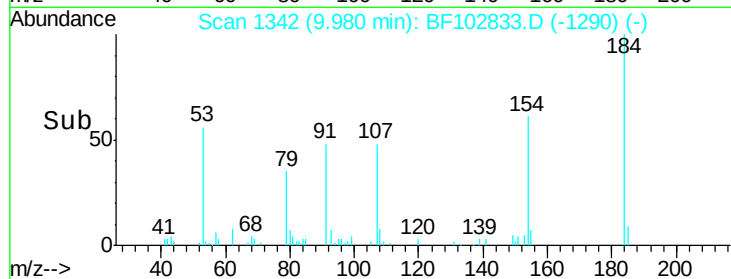
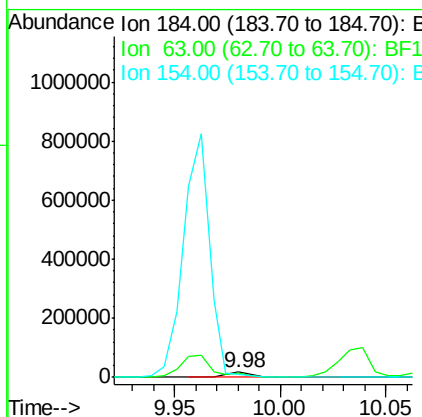
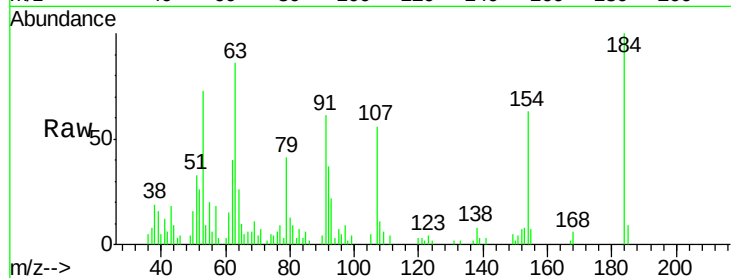
#53  
2,4-Dinitrophenol  
Concen: 22.530 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampled :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 86.3  | 54.2  | 81.2#  |
| 154     | 63.1  | 184.0 | 276.0# |

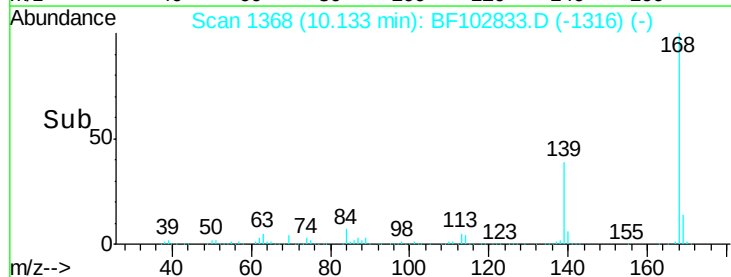
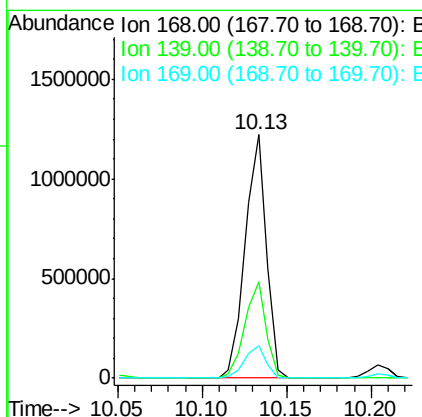
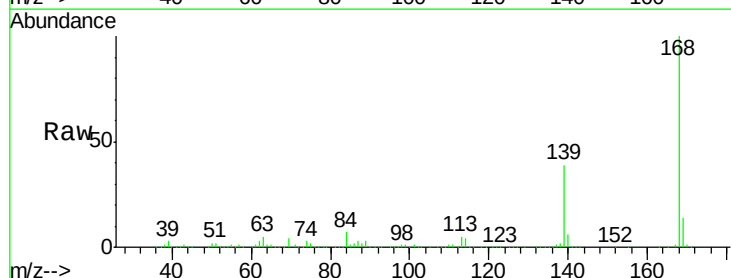
Manual Integrations  
APPROVED

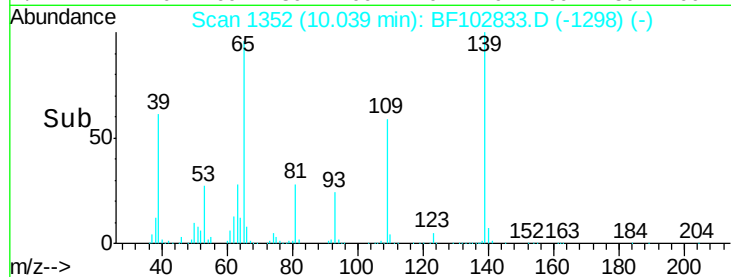
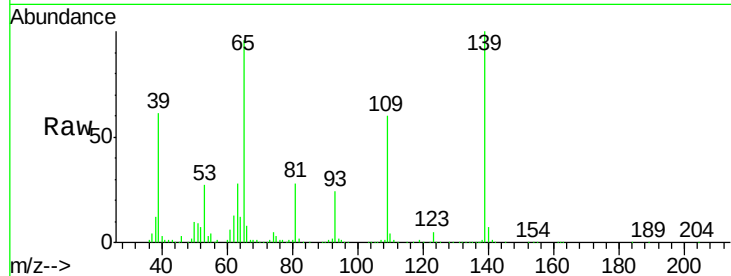
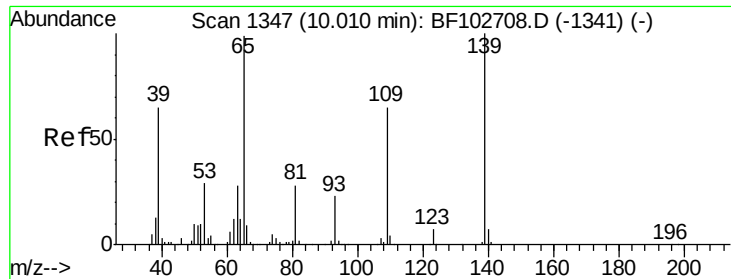
Sohil  
2/8/2018 1:41:47 PM



#54  
Dibenzofuran  
Concen: 37.874 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.4  | 30.1  | 45.1  |
| 169     | 13.5  | 10.9  | 16.3  |





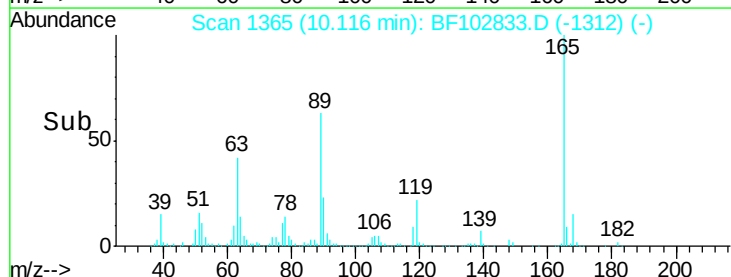
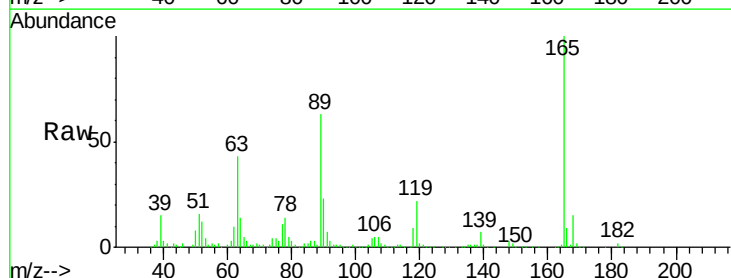
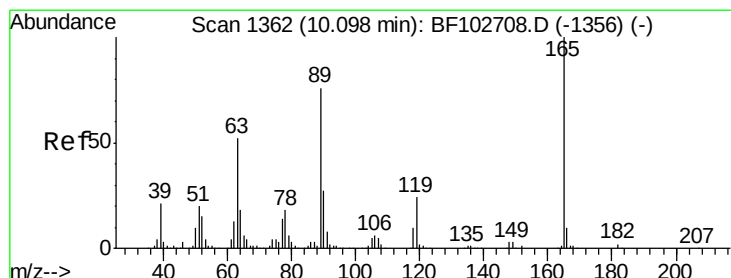
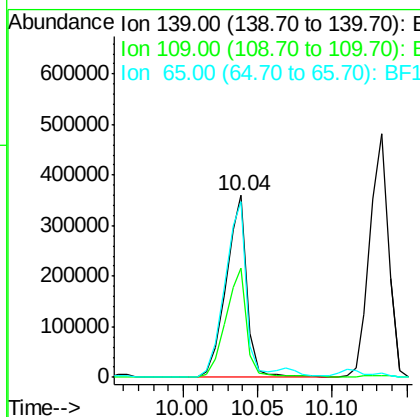
#55  
4-Nitrophenol  
Concen: 73.393 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.02 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 358233 |       |       |
| 109     | 59.7  | 48.4   | 88.4  |       |
| 65      | 96.5  | 72.6   | 112.6 |       |

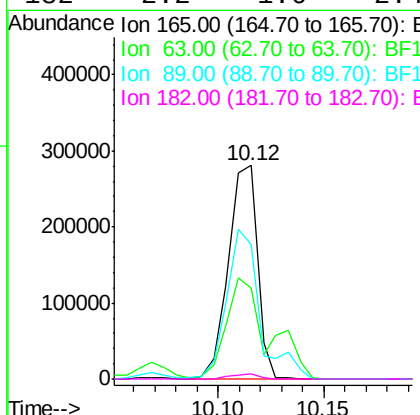
Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM

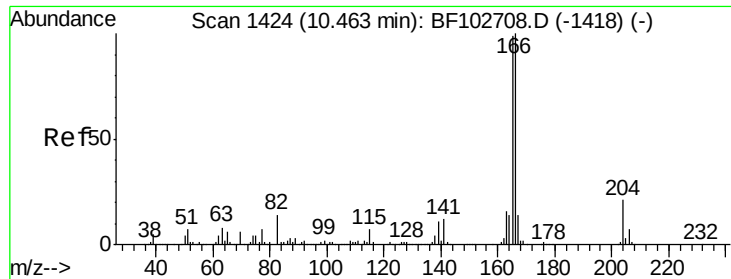


#56  
2,4-Dinitrotoluene  
Concen: 41.581 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 267621 |       |       |
| 63      | 42.7  | 36.4   | 54.6  |       |
| 89      | 63.1  | 57.8   | 86.6  |       |
| 182     | 2.2   | 1.6    | 2.4   |       |







#57

Fluorene

Concen: 37.496 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

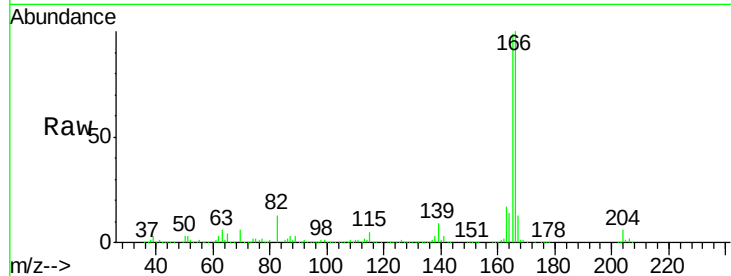
ClientSampleId :

3N-15MSD

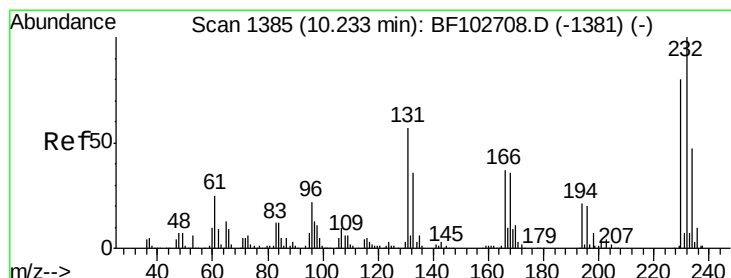
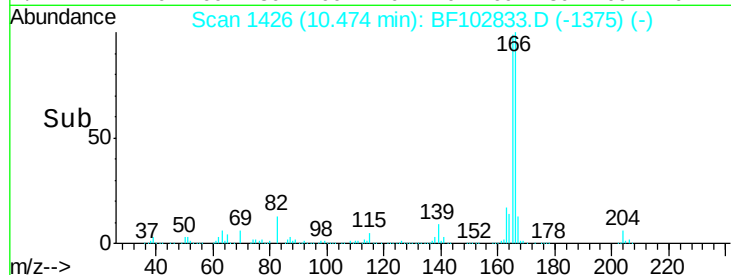
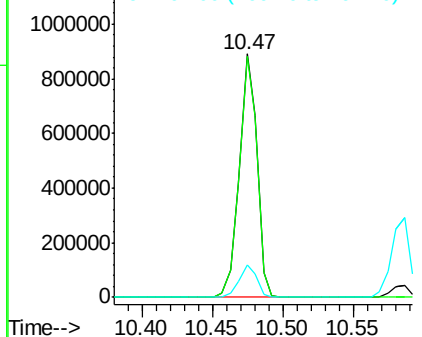
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 774229 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.1  | 79.8  | 119.8  |
| 167       | 13.4  | 10.6  | 16.0   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.159 ng

RT: 10.25 min Scan# 1388

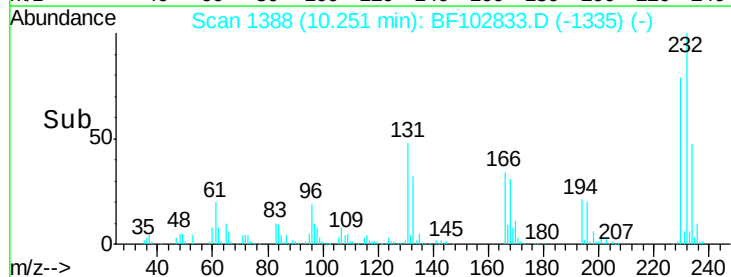
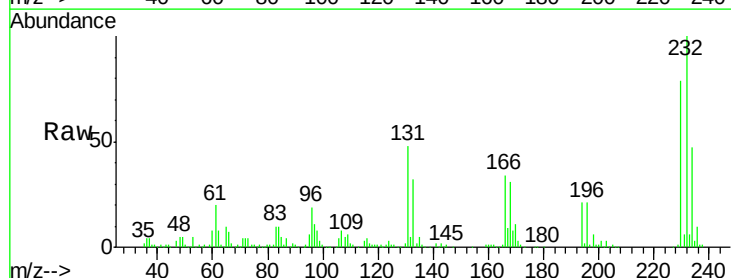
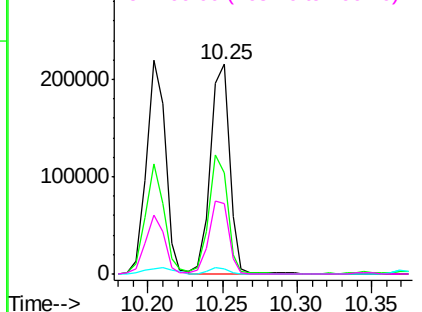
Delta R.T. 0.01 min

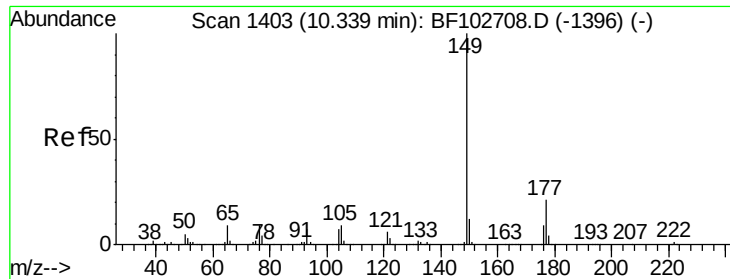
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 192578 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 55.2  | 43.8  | 65.8   |
| 130       | 2.7   | 2.1   | 3.1    |
| 166       | 36.6  | 27.8  | 41.6   |

Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 37.059 ng

RT: 10.35 min Scan# 1404

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

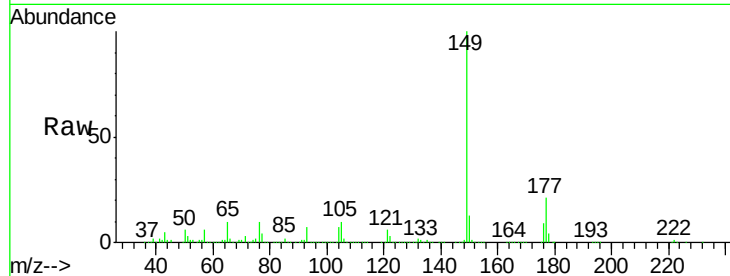
ClientSampled :

3N-15MSD

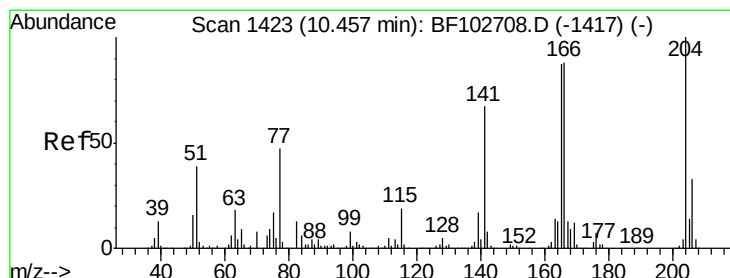
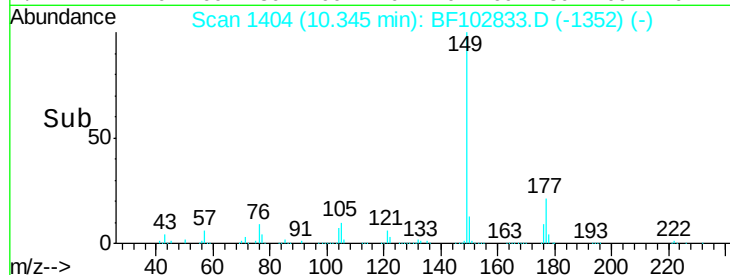
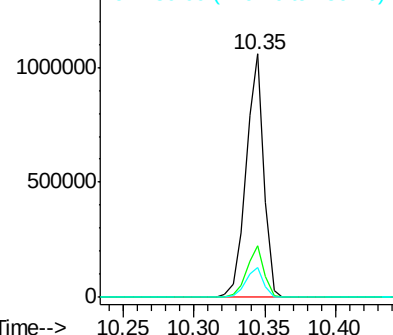
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 932888 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 20.9  | 16.1  | 24.1   |
| 150       | 12.5  | 10.1  | 15.1   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.668 ng

RT: 10.46 min Scan# 1424

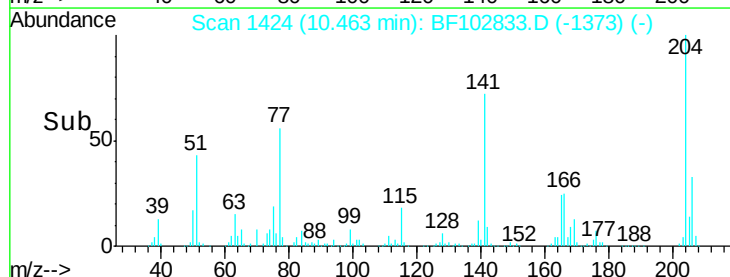
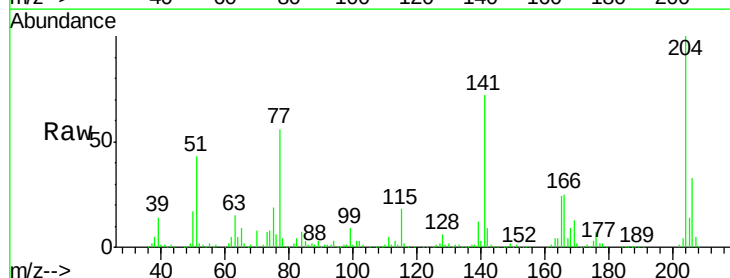
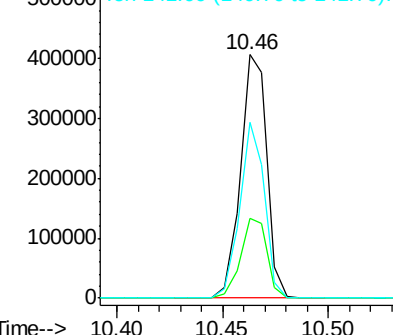
Delta R.T. -0.00 min

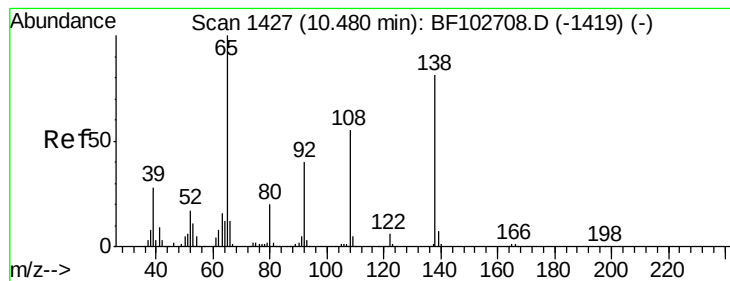
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 353206 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.9  | 26.5  | 39.7   |
| 141       | 72.1  | 54.6  | 81.8   |

Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





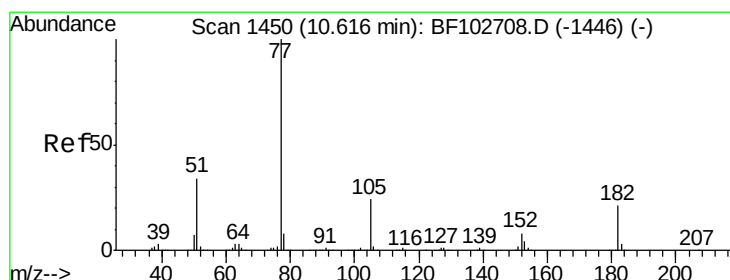
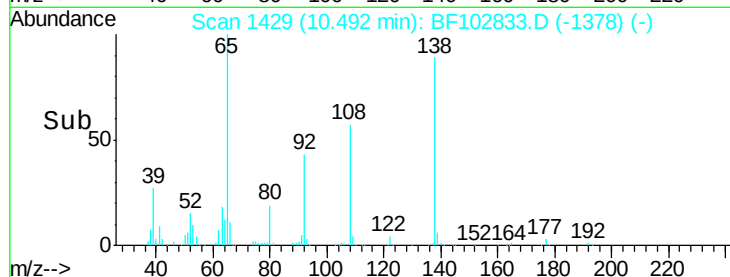
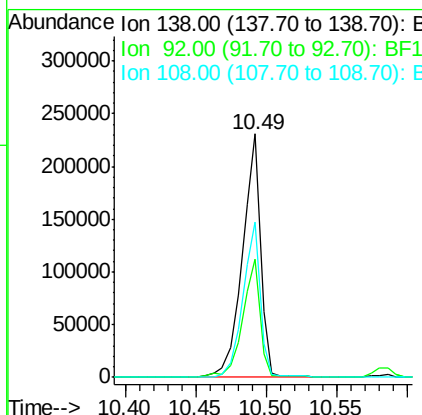
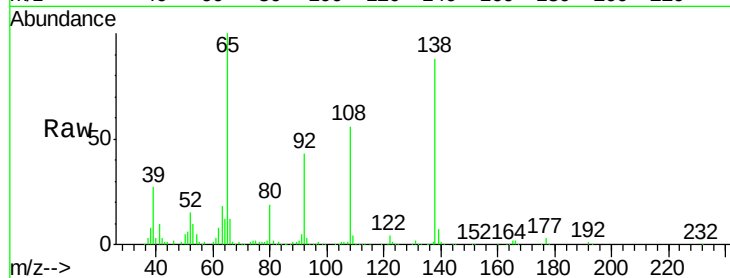
#61  
4-Nitroaniline  
Concen: 36.642 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampled :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.6  | 30.2  | 70.2  |
| 108     | 64.0  | 52.5  | 92.5  |

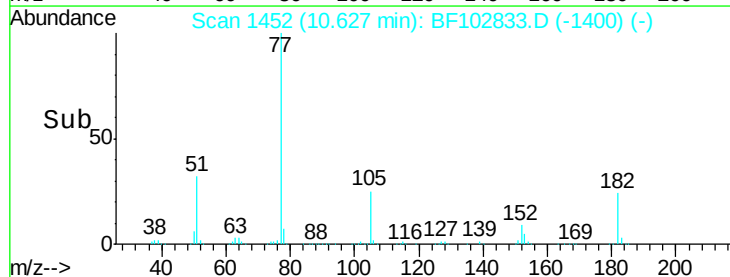
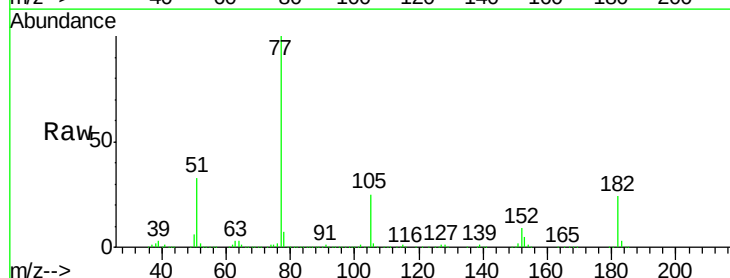
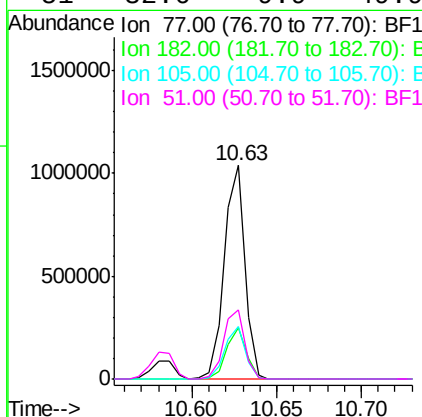
Manual Integrations  
APPROVED

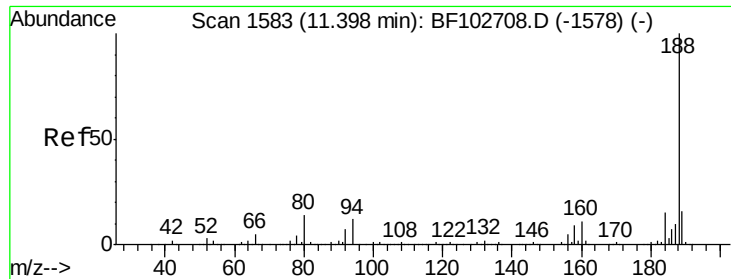
Sohil  
2/8/2018 1:41:47 PM



#62  
Azobenzene  
Concen: 34.898 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 24.2  | 1.7   | 41.7  |
| 105     | 24.7  | 3.0   | 43.0  |
| 51      | 32.6  | 9.9   | 49.9  |





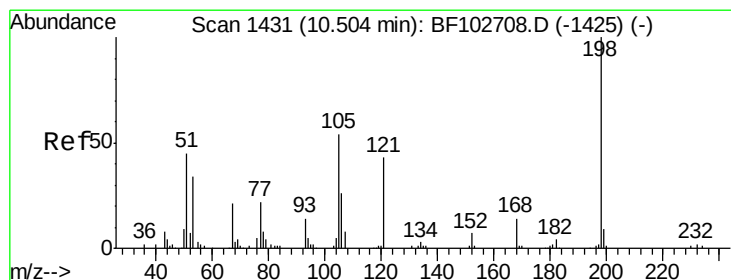
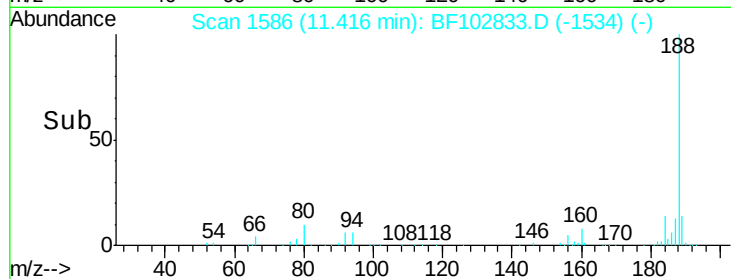
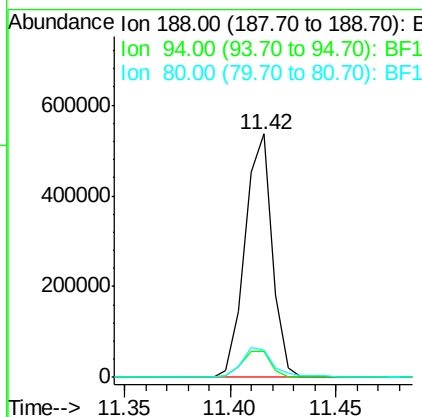
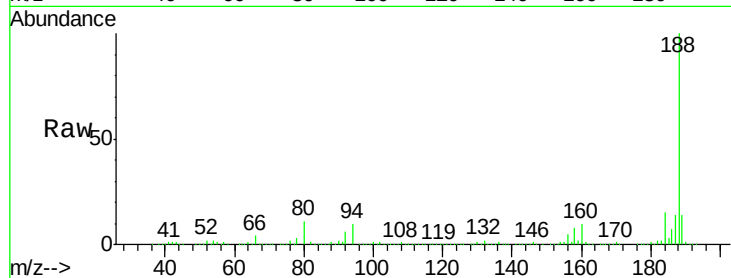
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 477256 |       |       |
| 94      | 10.5  |        | 8.5   | 12.7  |
| 80      | 11.2  |        | 9.2   | 13.8  |

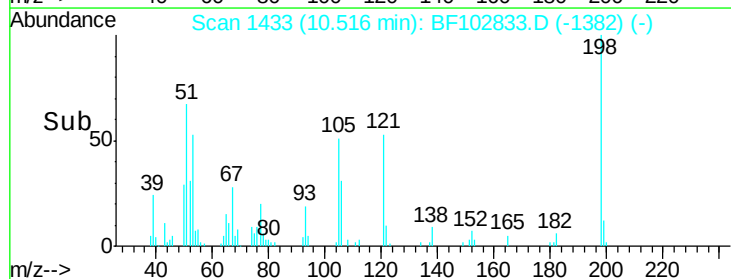
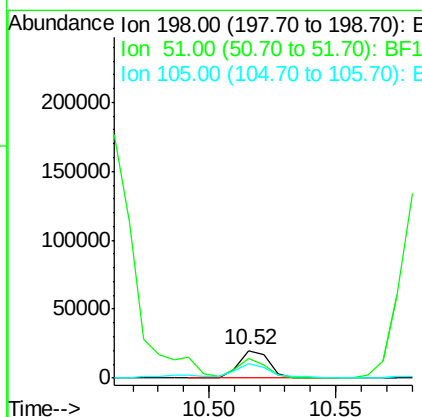
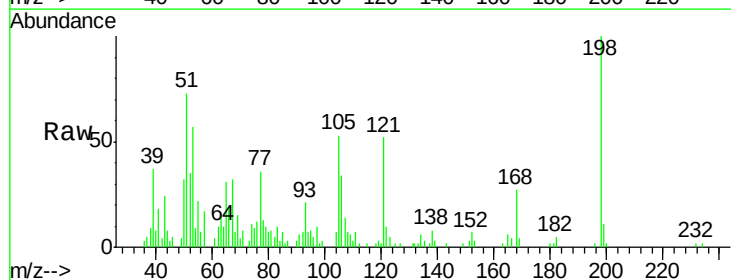
Manual Integrations  
APPROVED

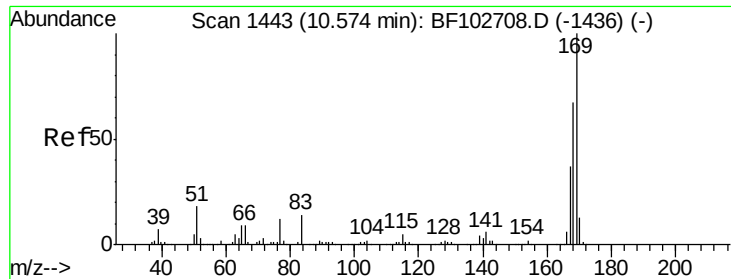
Sohil  
2/8/2018 1:41:47 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 16.557 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 17078 |       |       |
| 51      | 73.0  |       | 37.7  | 77.7  |
| 105     | 53.0  |       | 36.3  | 76.3  |





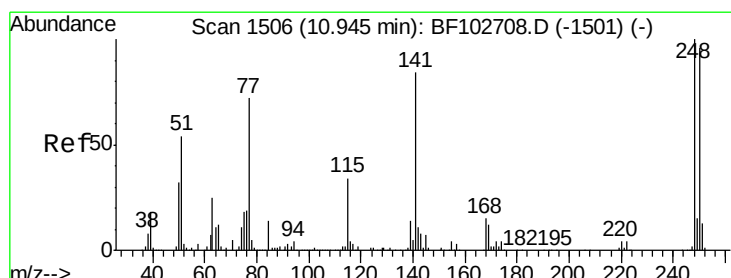
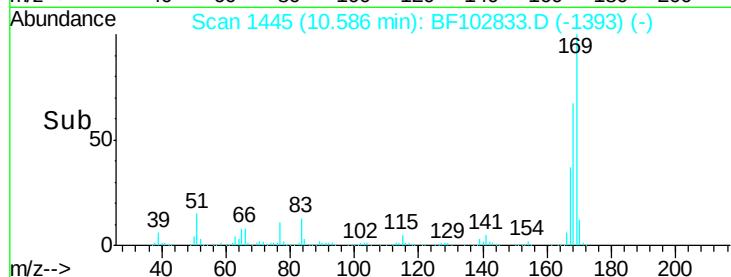
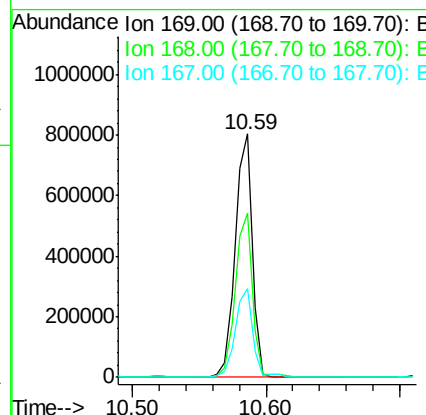
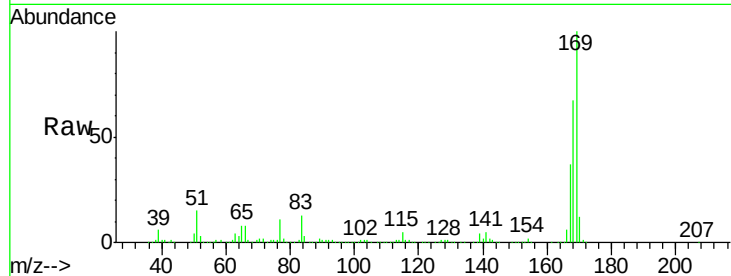
#65  
 n-Nitrosodiphenylamine  
 Concen: 43.493 ng  
 RT: 10.59 min Scan# 1445  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.4  | 54.4  | 81.6  |
| 167     | 36.6  | 29.8  | 44.6  |

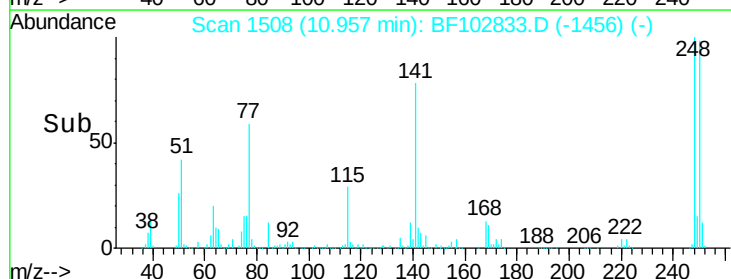
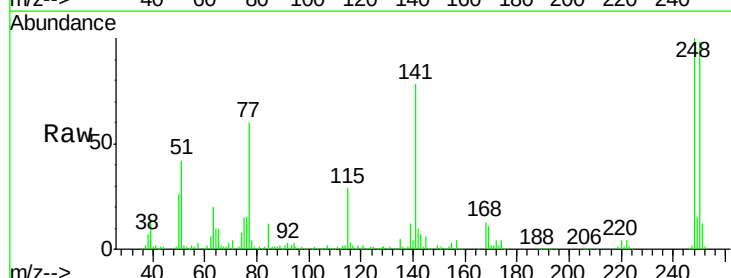
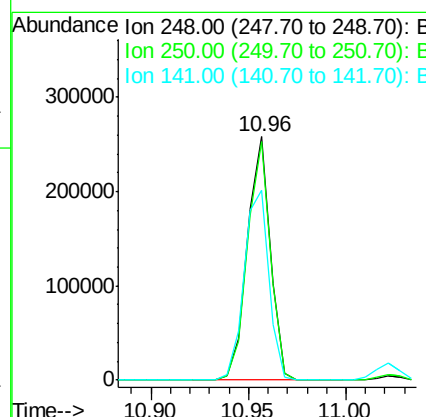
Manual Integrations  
 APPROVED

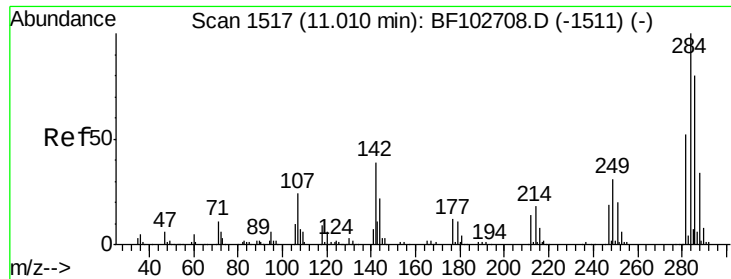
Sohil  
 2/8/2018 1:41:47 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.851 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.2  | 76.9  | 115.3 |
| 141     | 78.2  | 74.4  | 111.6 |





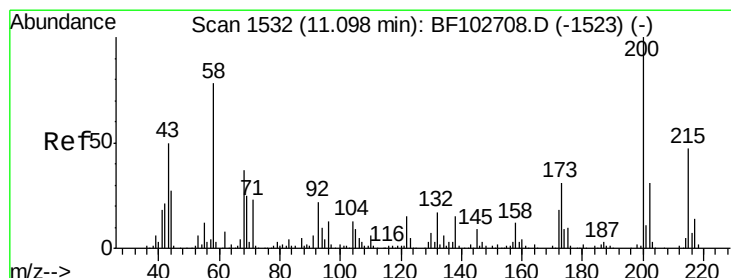
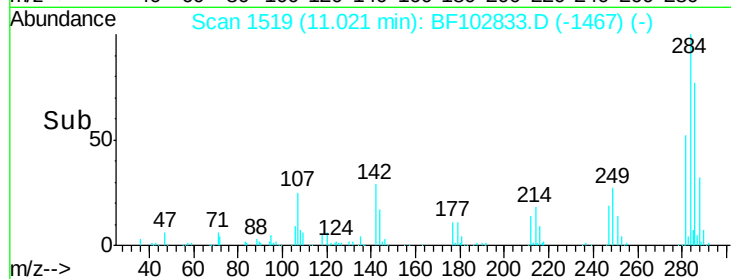
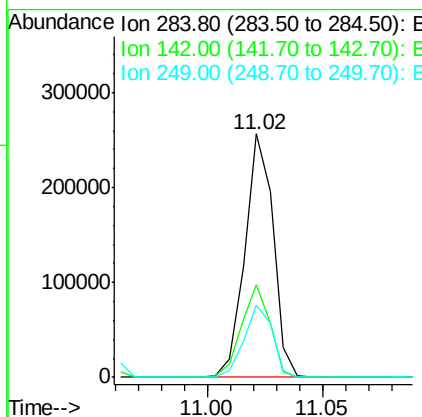
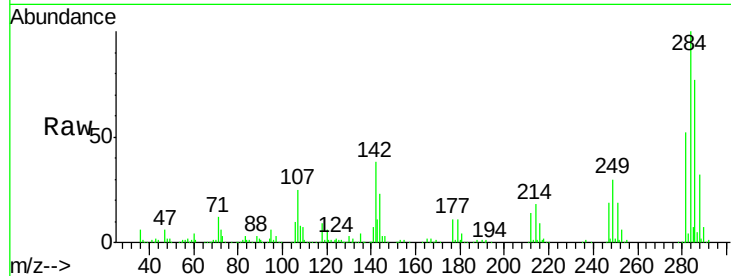
#67  
Hexachlorobenzene  
Concen: 39.518 ng  
RT: 11.02 min Scan# 1519  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 220092 |       |       |
| 142     | 37.8  | 34.6   | 52.0  |       |
| 249     | 29.5  | 24.8   | 37.2  |       |

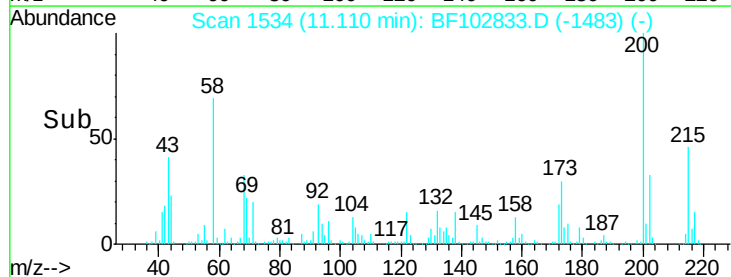
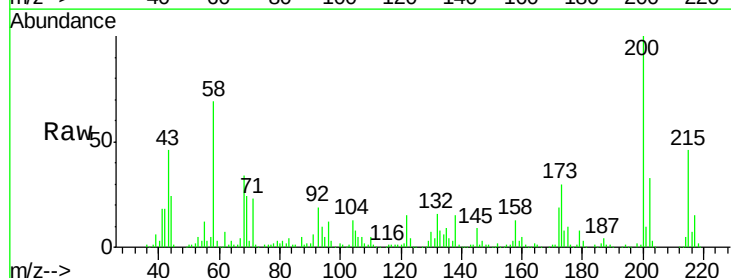
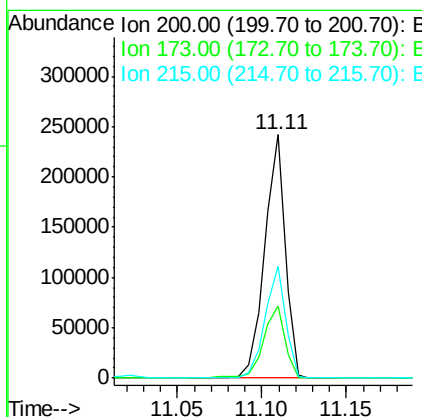
Manual Integrations  
APPROVED

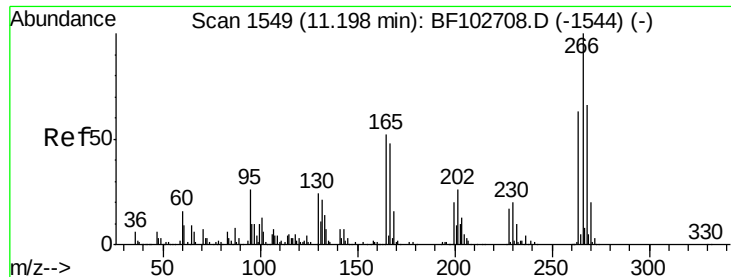
Sohil  
2/8/2018 1:41:47 PM



#68  
Atrazine  
Concen: 41.111 ng  
RT: 11.11 min Scan# 1534  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 204168 |       |       |
| 173     | 29.6  | 8.6    | 48.6  |       |
| 215     | 46.0  | 25.1   | 65.1  |       |





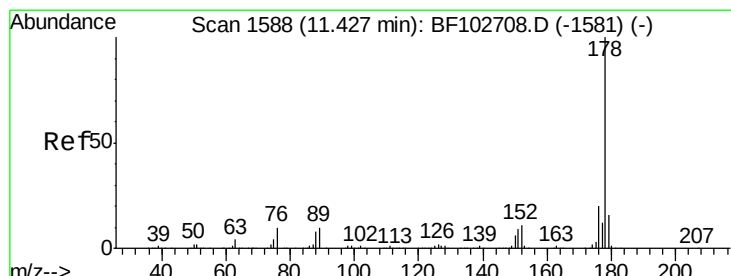
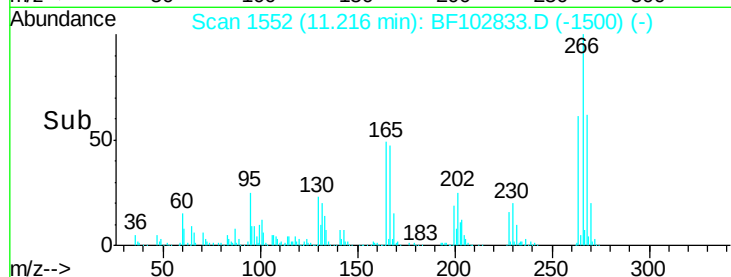
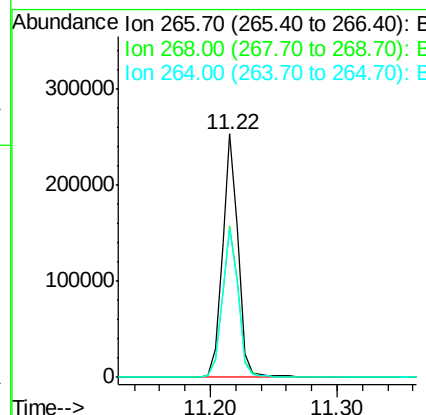
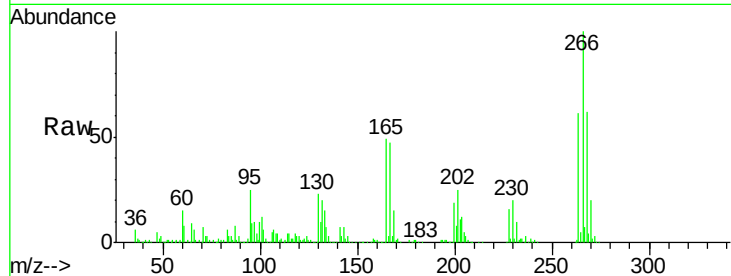
#69  
 Pentachlorophenol  
 Concen: 67.709 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 221365 |       |       |
| 268     | 62.4  | 51.1   | 76.7  |       |
| 264     | 61.2  | 49.5   | 74.3  |       |

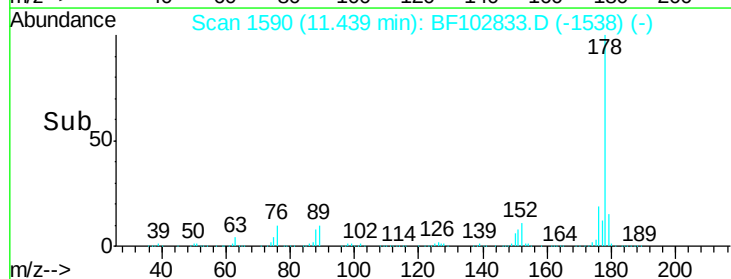
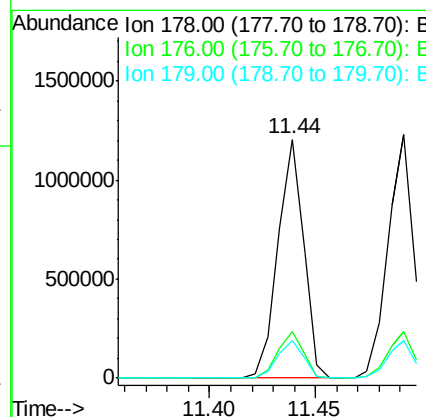
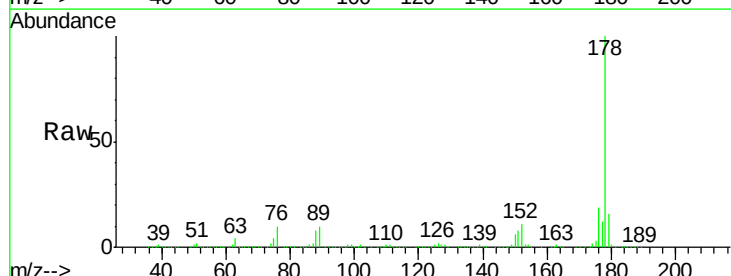
Manual Integrations  
 APPROVED

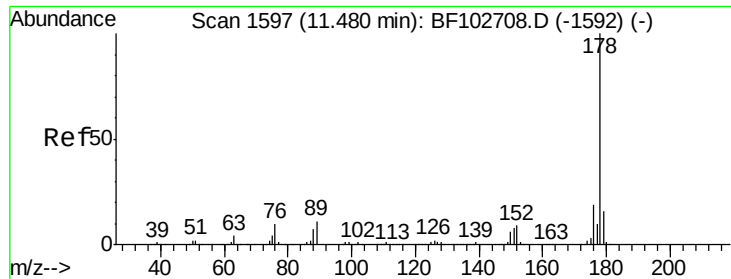
Sohil  
 2/8/2018 1:41:47 PM



#70  
 Phenanthrene  
 Concen: 38.494 ng  
 RT: 11.44 min Scan# 1590  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1023165 |       |       |
| 176     | 19.3  | 15.8    | 23.8  |       |
| 179     | 15.9  | 13.0    | 19.6  |       |





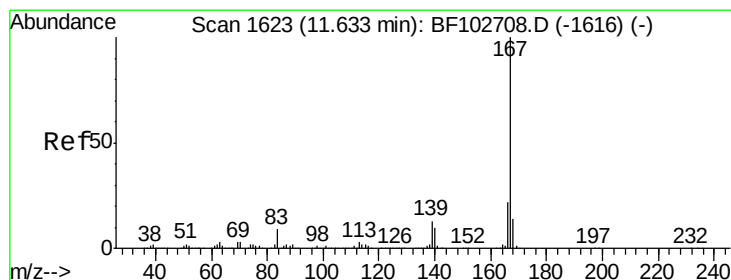
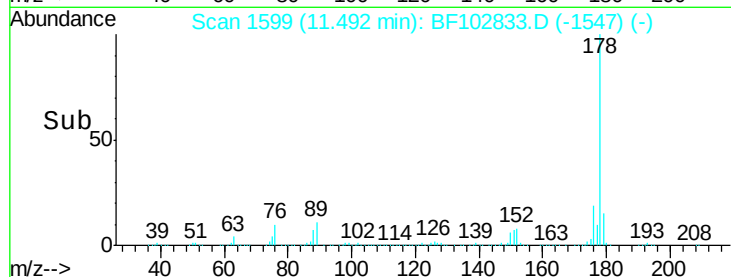
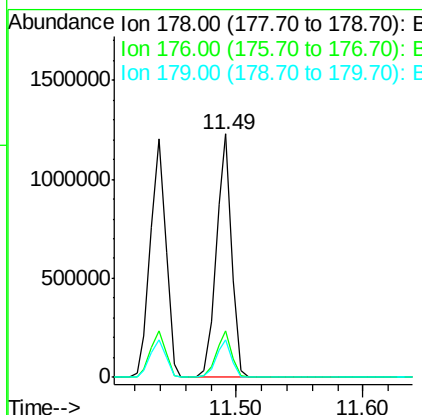
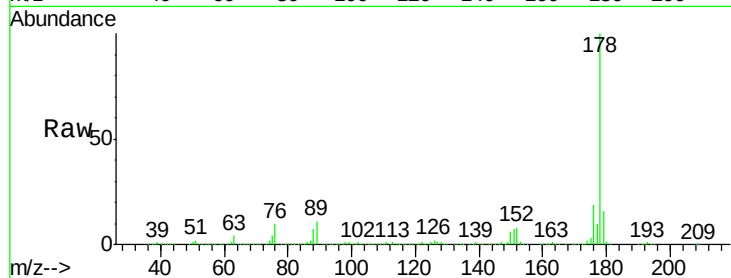
#71  
 Anthracene  
 Concen: 38.536 ng  
 RT: 11.49 min Scan# 1599  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 19.1 | 15.4  | 23.2  |       |
| 179     | 15.7 | 12.6  | 19.0  |       |

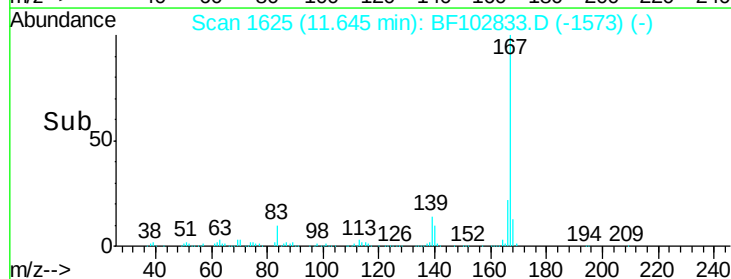
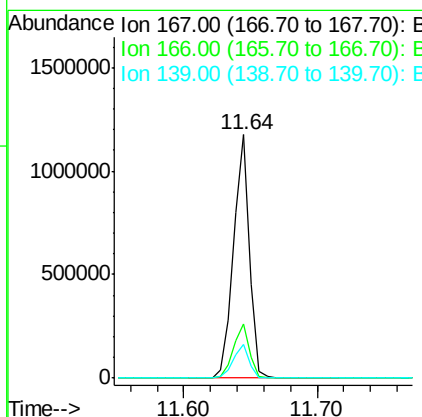
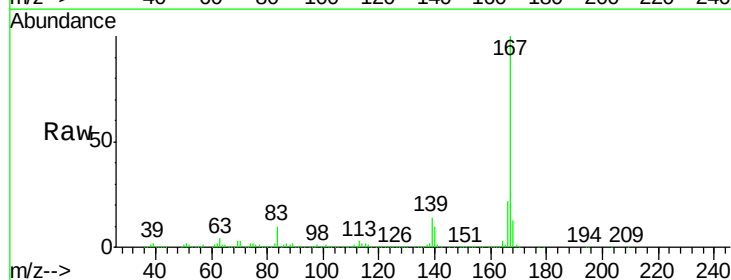
Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM

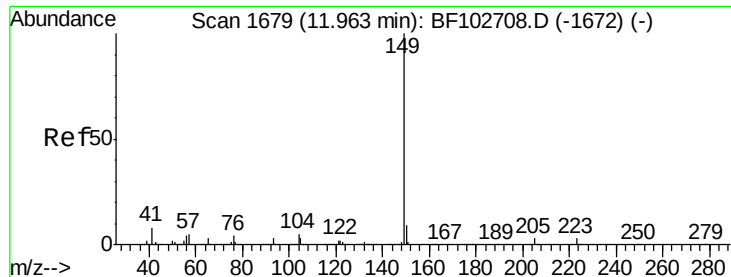


#72  
 Carbazole  
 Concen: 37.503 ng  
 RT: 11.64 min Scan# 1625  
 Delta R.T. 0.01 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 167     | 100  |       |       |       |
| 166     | 22.1 | 17.6  | 26.4  |       |
| 139     | 13.7 | 10.9  | 16.3  |       |







#73

Di-n-butylphthalate

Concen: 39.984 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion:149 Resp: 1286396

Ion Ratio Lower Upper

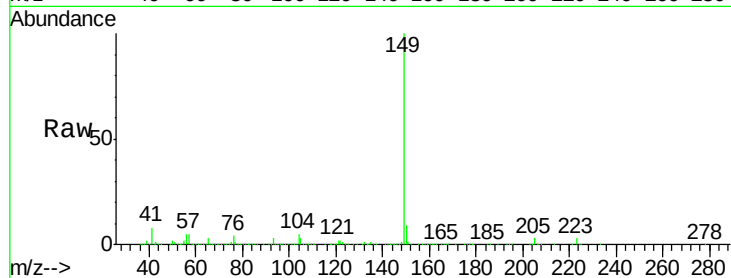
149 100

150 9.3 7.8 11.6

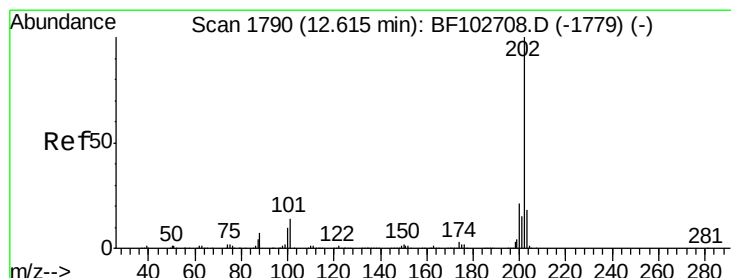
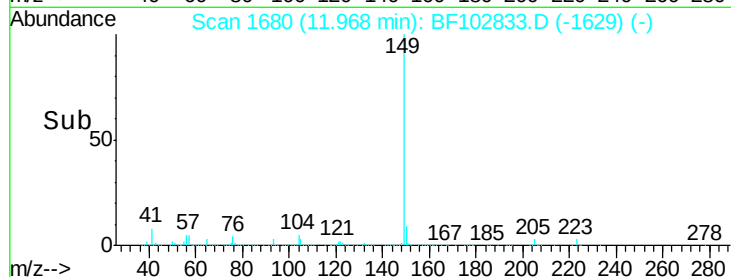
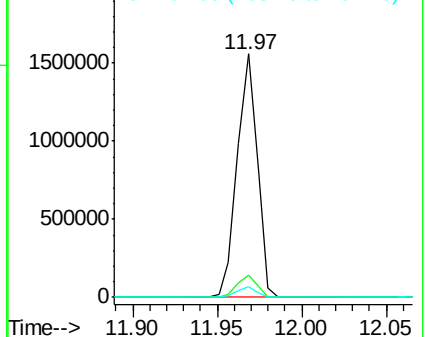
104 4.6 3.8 5.8

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.120 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

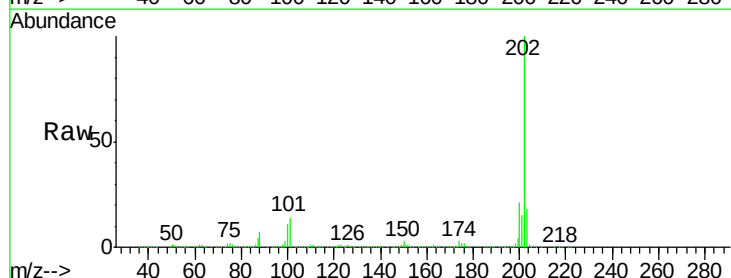
Tgt Ion:202 Resp: 992690

Ion Ratio Lower Upper

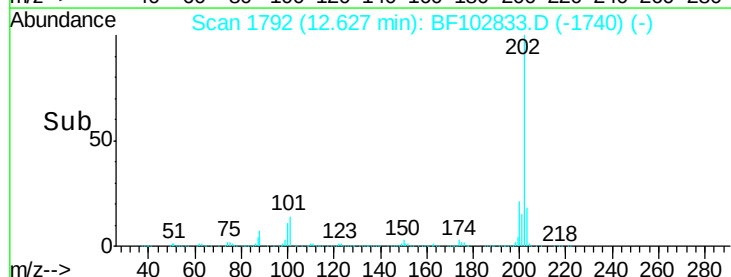
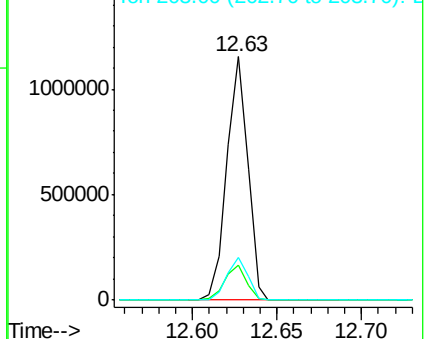
202 100

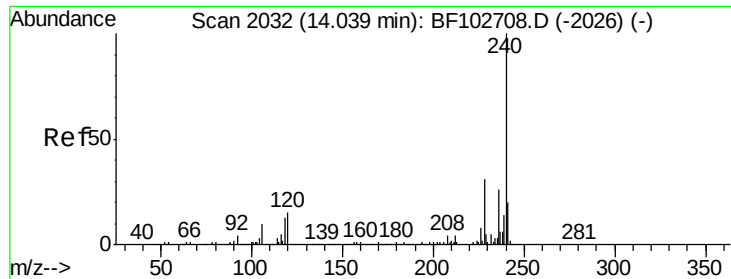
101 14.3 0.0 34.1

203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

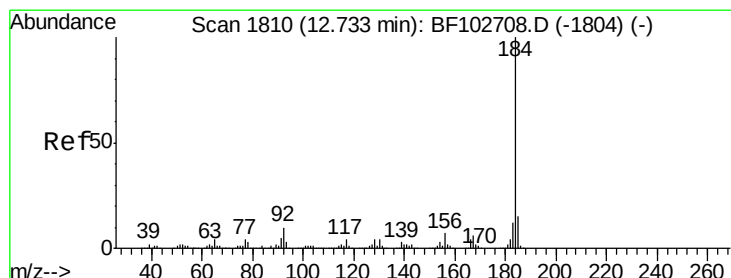
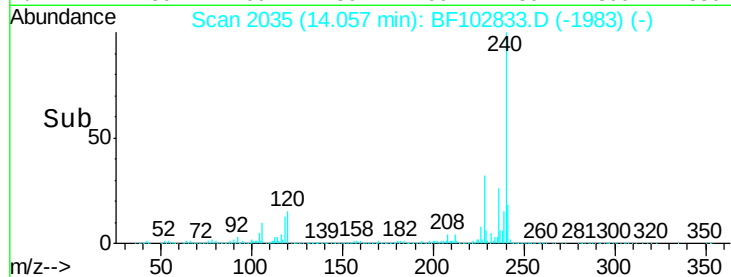
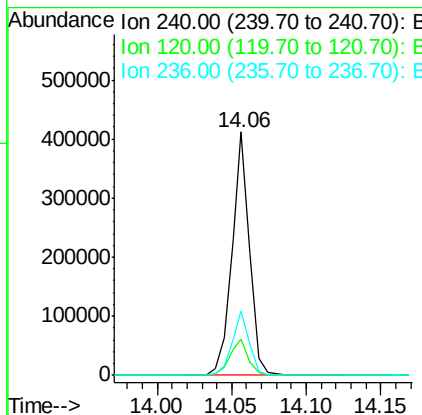
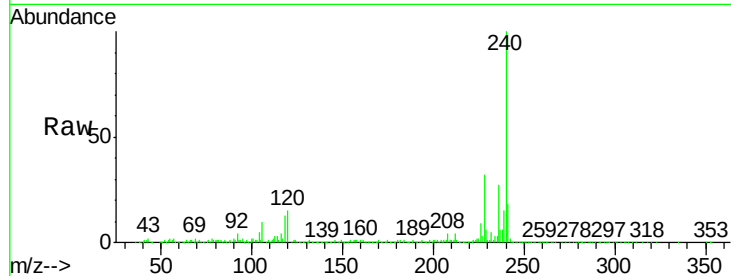
ClientSampled :

3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.1  | 9.5   | 14.3# |
| 236     | 26.5  | 20.7  | 31.1  |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#76

Benzidine

Concen: 42.237 ng

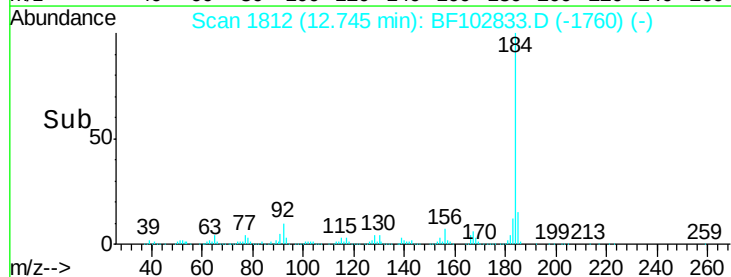
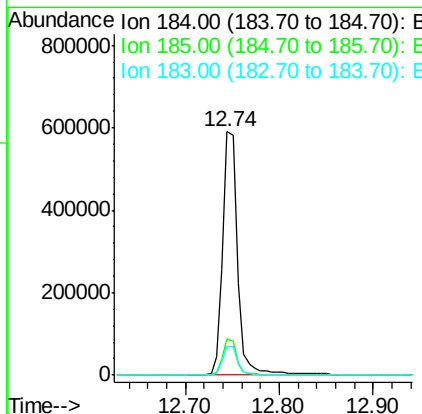
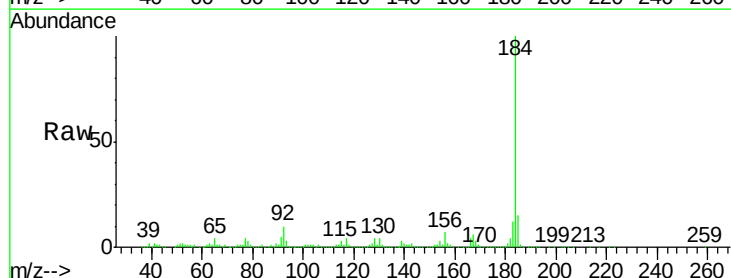
RT: 12.74 min Scan# 1812

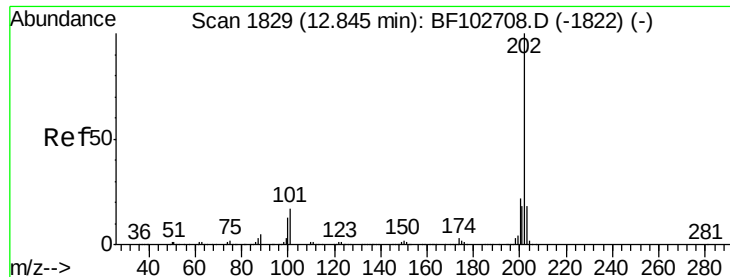
Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.0  | 12.6  | 18.8  |
| 183     | 11.8  | 9.3   | 13.9  |





#77

Pvrene

Concen: 37.903 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion:202 Resp: 1006826

Ion Ratio Lower Upper

202 100

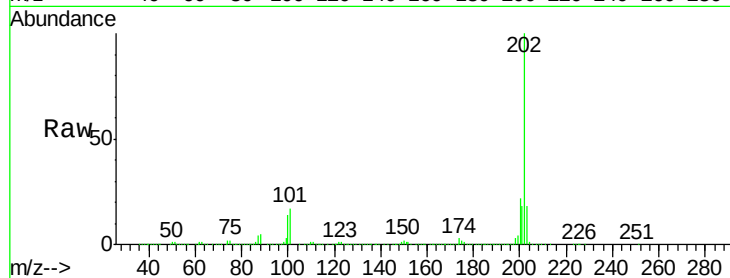
200 21.5 17.4 26.2

203 17.8 14.3 21.5

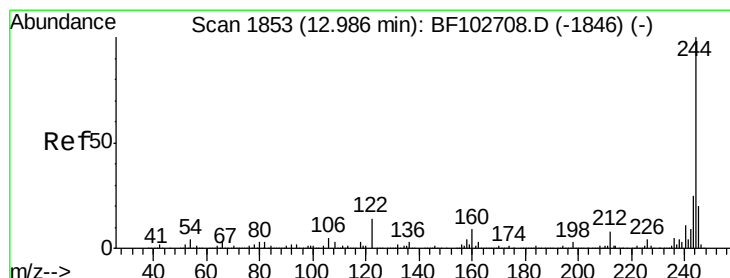
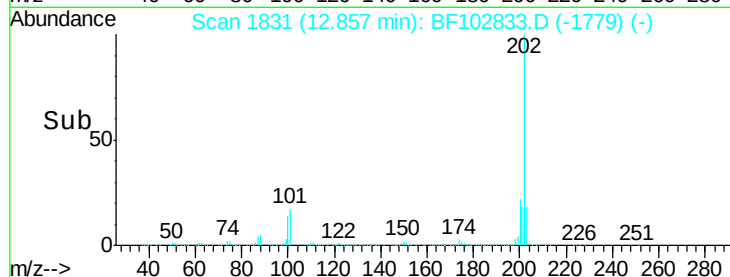
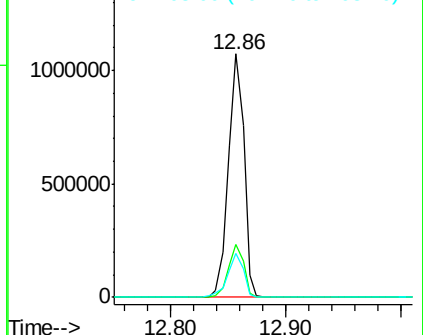
Manual Integrations  
APPROVED

Sohil

2/8/2018 1:41:47 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 74.153 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

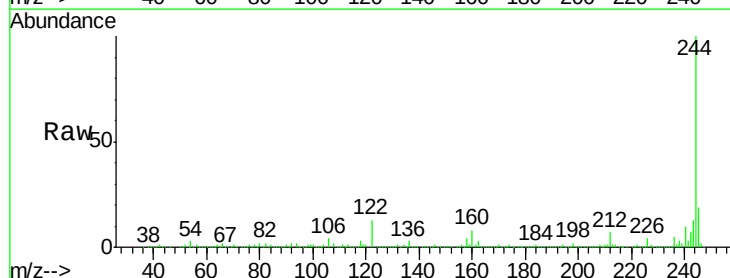
Tgt Ion:244 Resp: 1060883

Ion Ratio Lower Upper

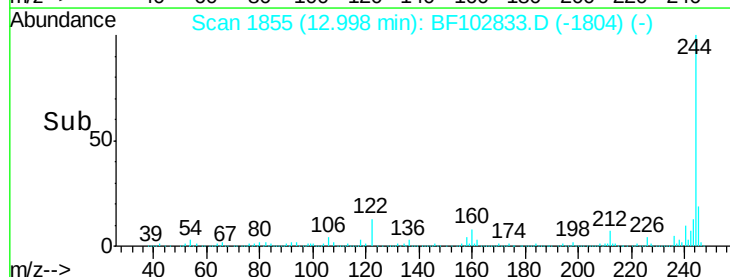
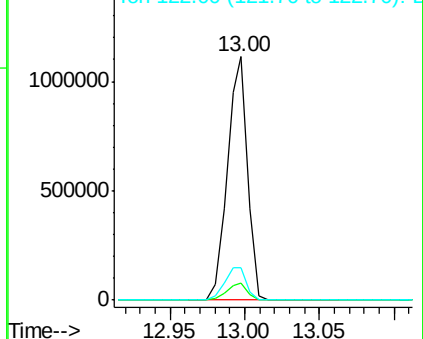
244 100

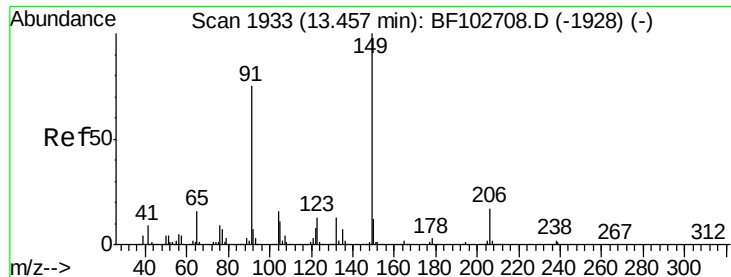
212 6.8 5.4 8.0

122 13.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





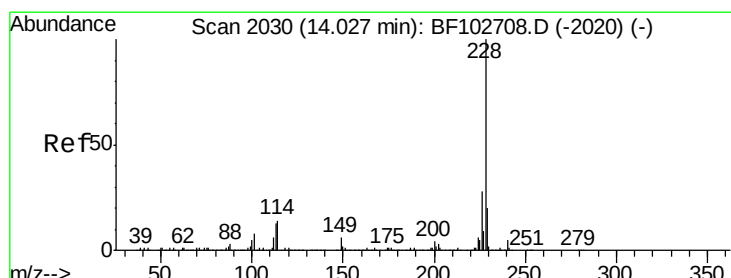
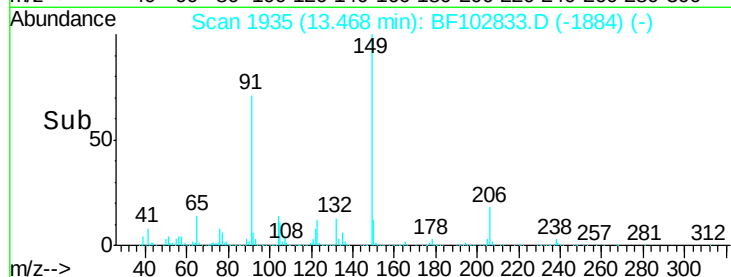
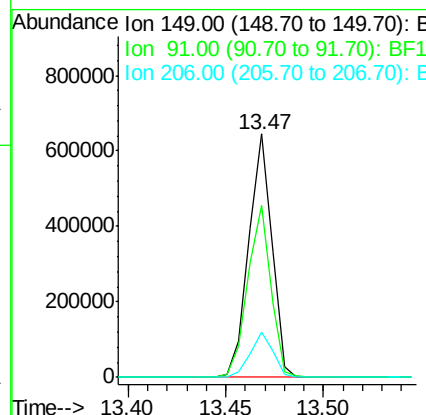
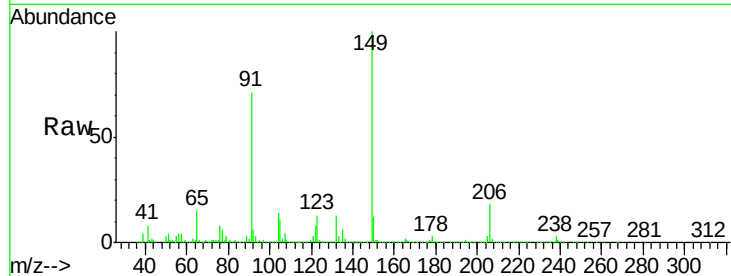
#79  
Butylbenzylphthalate  
Concen: 41.911 ng  
RT: 13.47 min Scan# 1935  
Delta R.T. -0.00 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.7  | 56.8  | 85.2  |
| 206     | 18.4  | 14.1  | 21.1  |

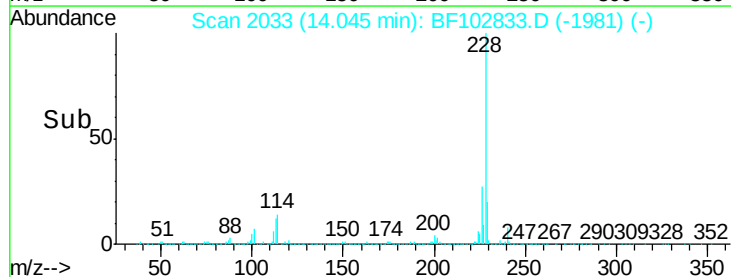
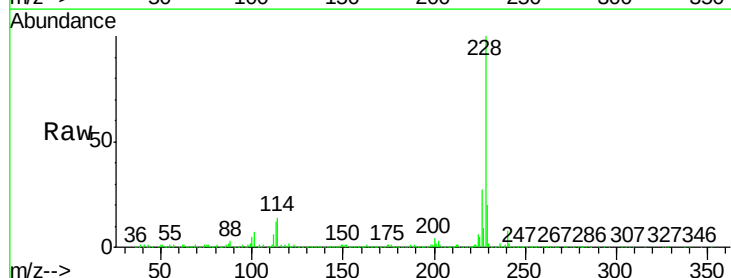
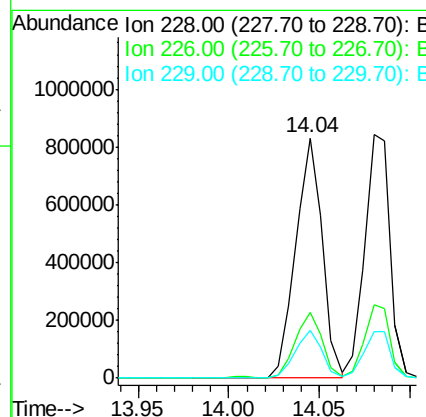
Manual Integrations  
APPROVED

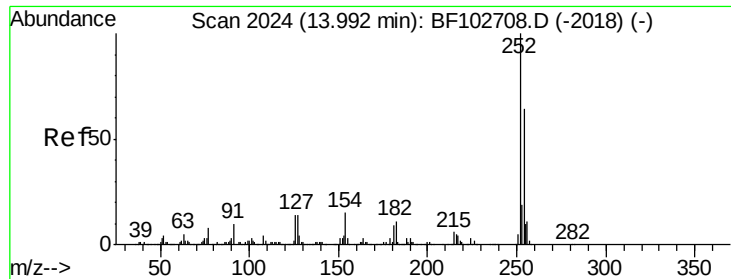
Sohil  
2/8/2018 1:41:47 PM



#80  
Benzo(a)anthracene  
Concen: 40.203 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.4  | 22.6  | 33.8  |
| 229     | 19.7  | 15.8  | 23.6  |





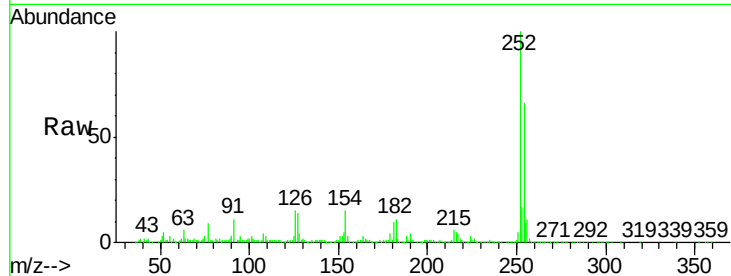
#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.598 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

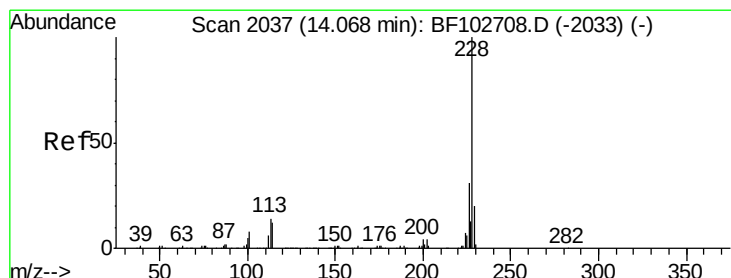
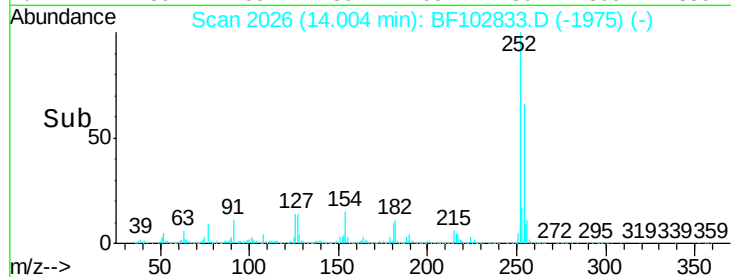
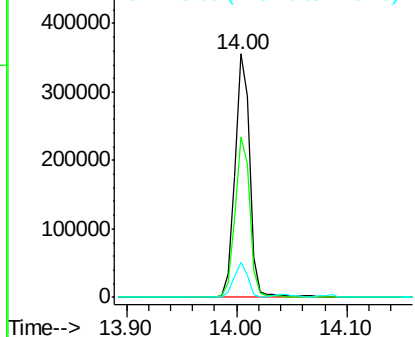
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.0  | 50.4  | 75.6  |
| 126     | 14.6  | 11.3  | 16.9  |

Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM



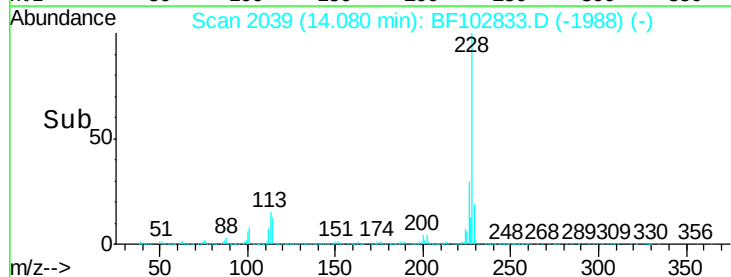
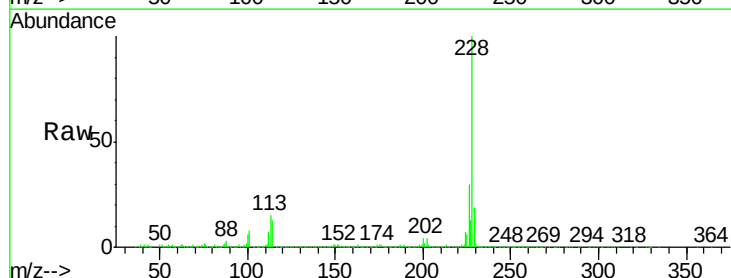
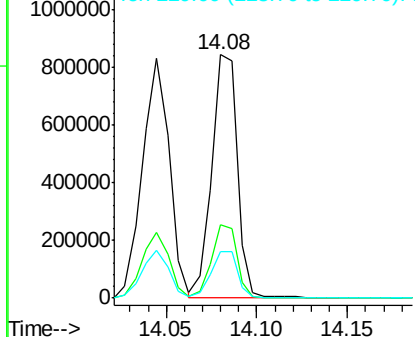
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

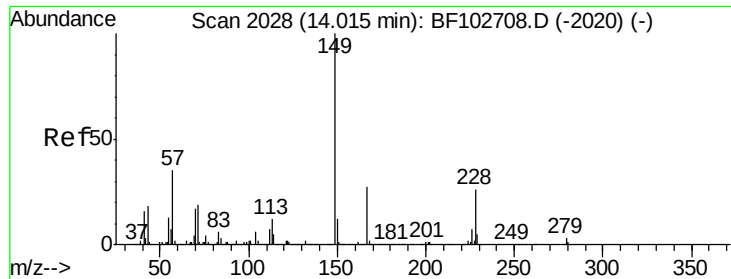


#82  
 Chrysene  
 Concen: 38.157 ng  
 RT: 14.08 min Scan# 2039  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 25.0  | 37.6  |
| 229     | 19.3  | 16.2  | 24.4  |

Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





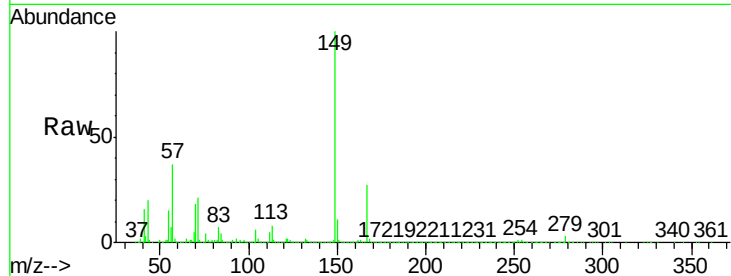
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.520 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.1  | 21.3  | 31.9  |
| 279     | 2.8   | 3.0   | 4.4   |

Manual Integrations  
 APPROVED

Sohil  
 2/8/2018 1:41:47 PM

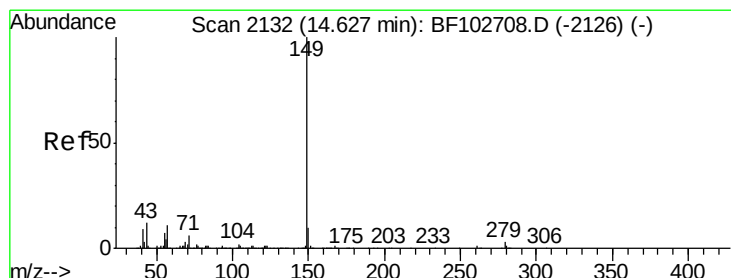
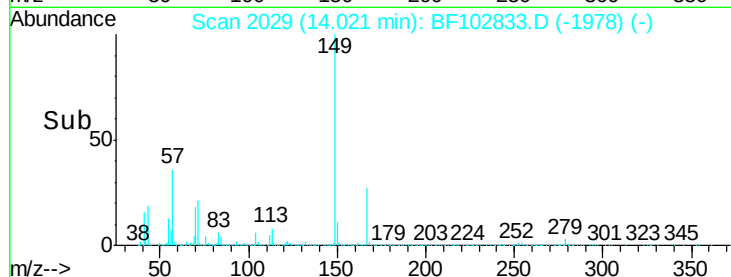
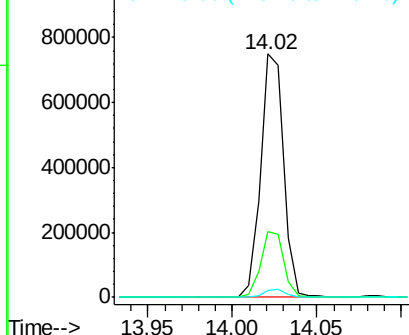


Abundance

Ion 149.00 (148.70 to 149.70): E

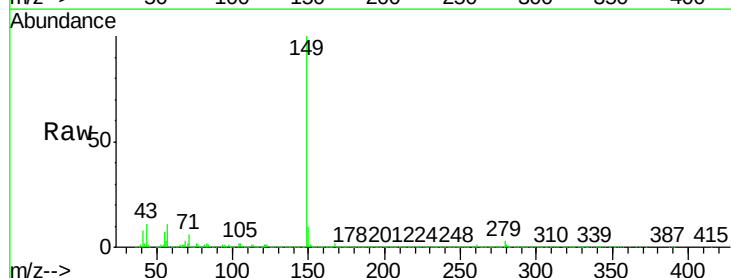
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84  
 Di-n-octyl phthalate  
 Concen: 49.285 ng  
 RT: 14.64 min Scan# 2134  
 Delta R.T. -0.00 min  
 Lab File: BF102833.D  
 Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 10.9  | 8.4   | 12.6  |

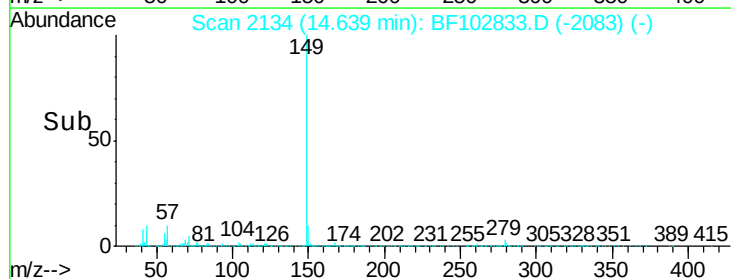
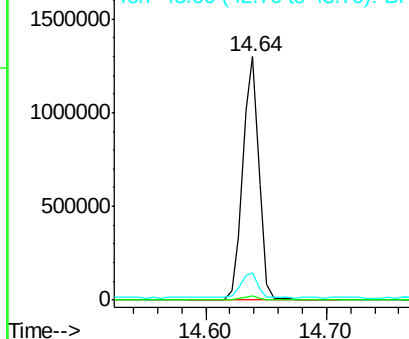


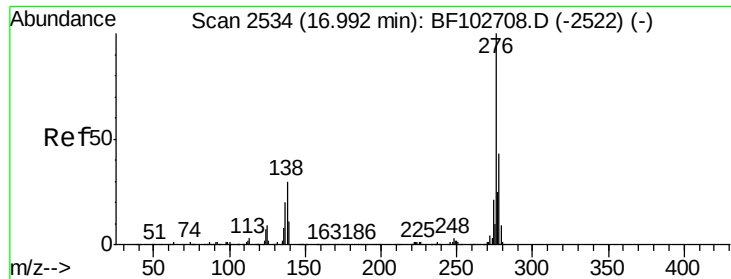
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 33.871 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.03 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

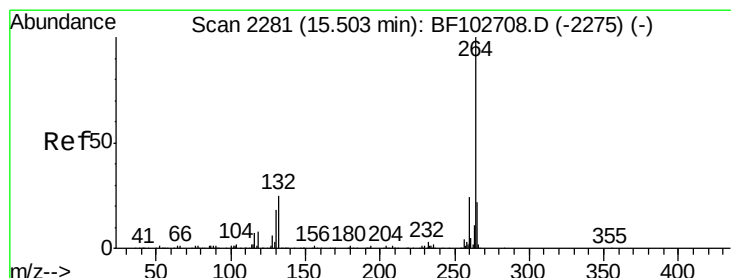
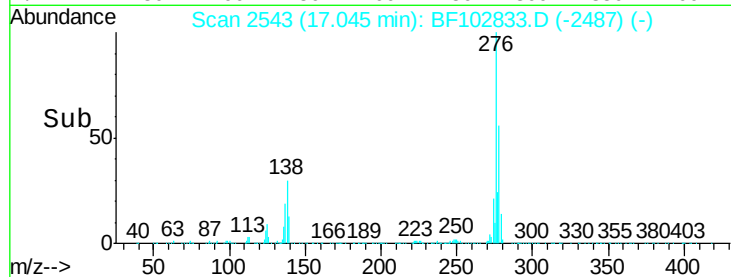
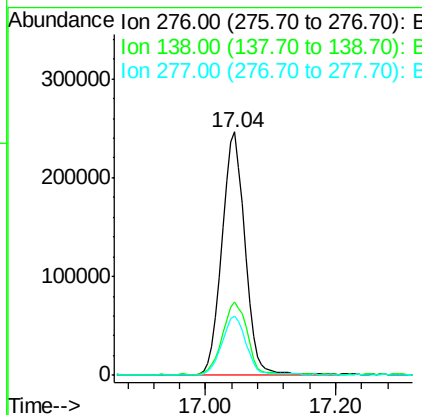
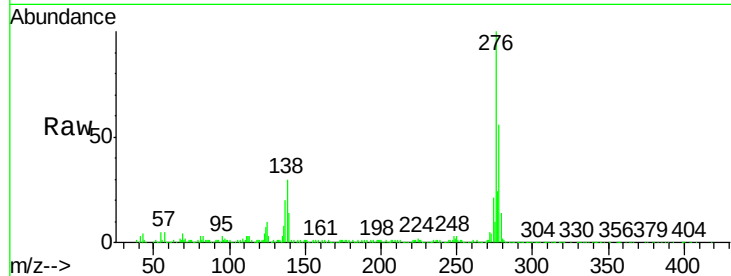
ClientSampleId :

3N-15MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 603289 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 138       | 31.7 | 25.0  | 37.6   |
| 277       | 24.9 | 20.1  | 30.1   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



#86

Perylene-d12

Concen: 20.000 ng

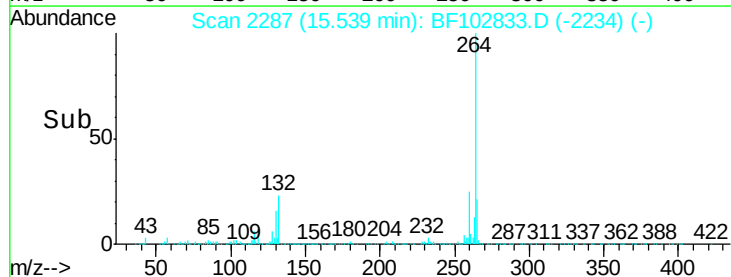
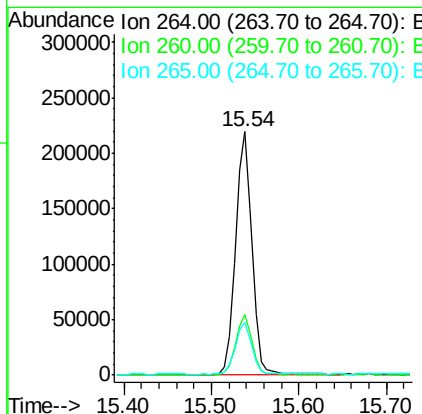
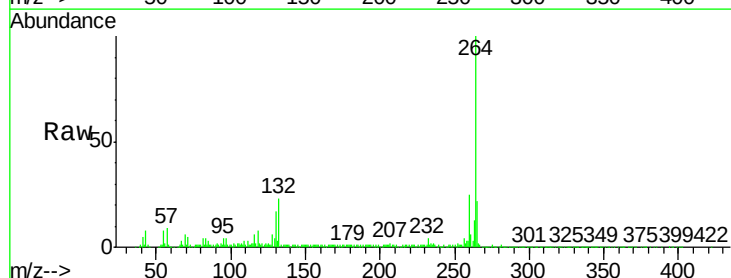
RT: 15.54 min Scan# 2287

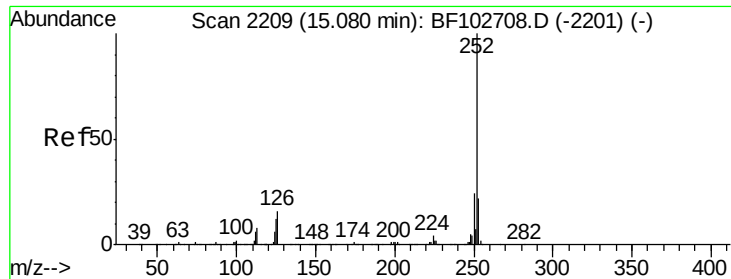
Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 264  | Resp: | 277335 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 24.9 | 19.2  | 28.8   |
| 265       | 21.7 | 17.5  | 26.3   |





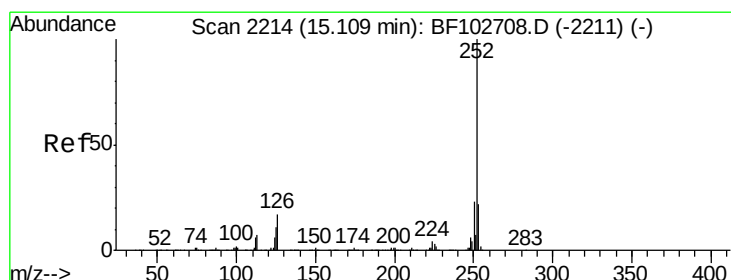
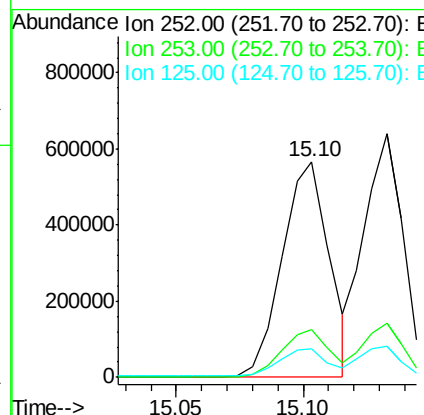
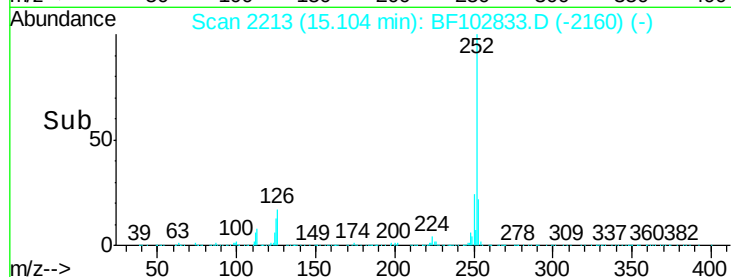
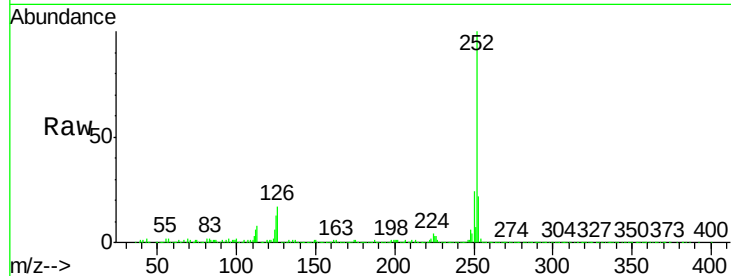
#87  
Benzo(b)fluoranthene  
Concen: 40.597 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
3N-15MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.0  | 25.6  |
| 125     | 13.1  | 9.0   | 13.6  |

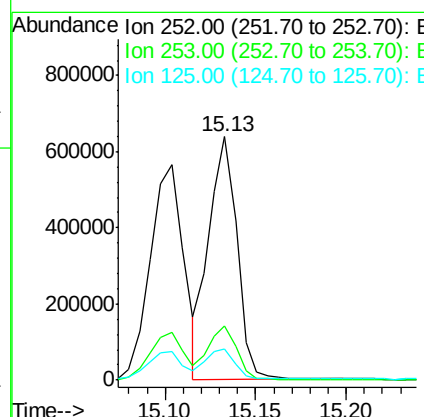
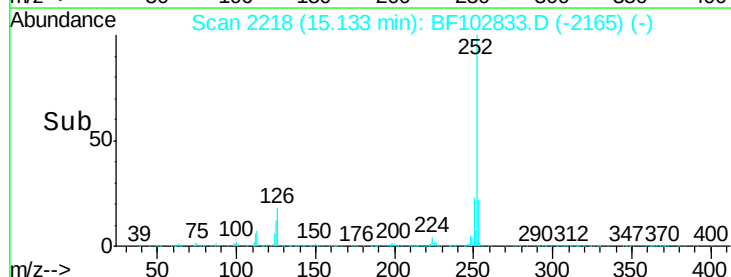
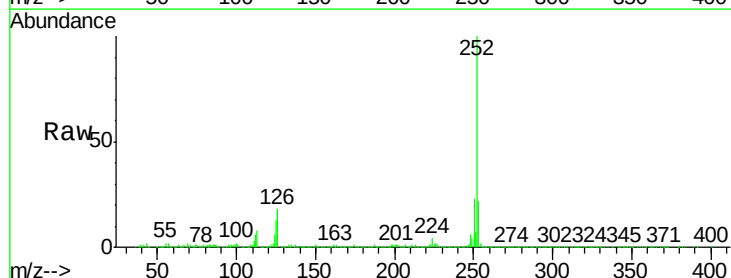
Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM

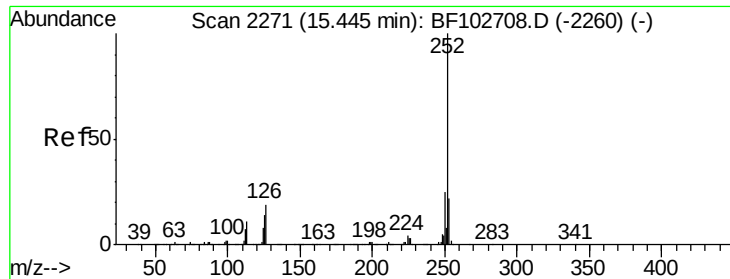


#88  
Benzo(k)fluoranthene  
Concen: 40.238 ng  
RT: 15.13 min Scan# 2218  
Delta R.T. 0.01 min  
Lab File: BF102833.D  
Acq: 7 Feb 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.9  | 26.9  |
| 125     | 13.0  | 10.2  | 15.2  |







#89

Benzo(a)pyrene

Concen: 39.573 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

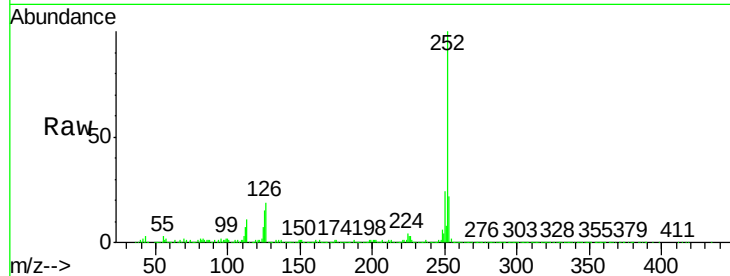
ClientSampleId :

3N-15MSD

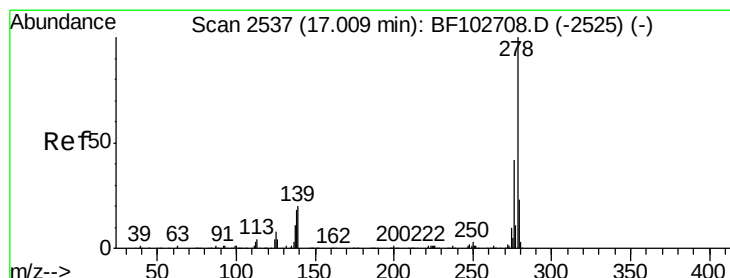
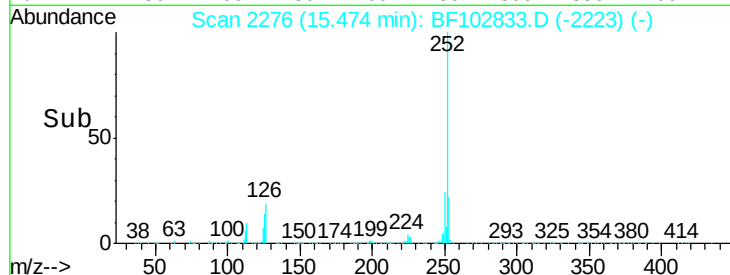
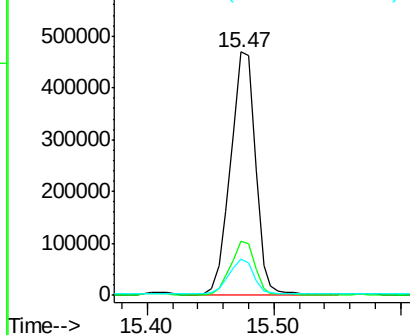
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 640473 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.1  | 17.1  | 25.7   |
| 125       | 15.1  | 9.8   | 14.6   |

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 38.491 ng

RT: 17.06 min Scan# 2545

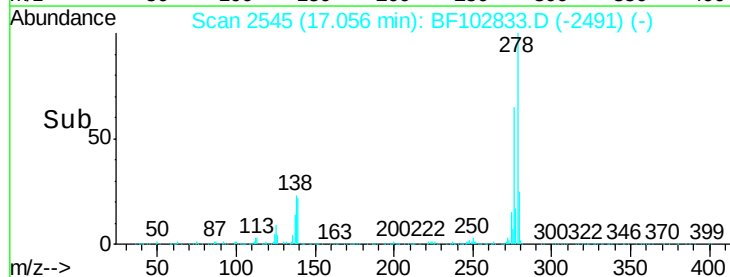
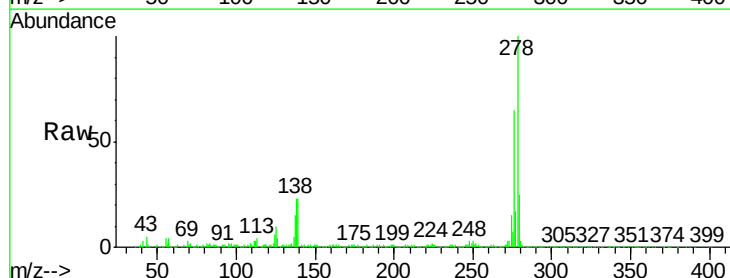
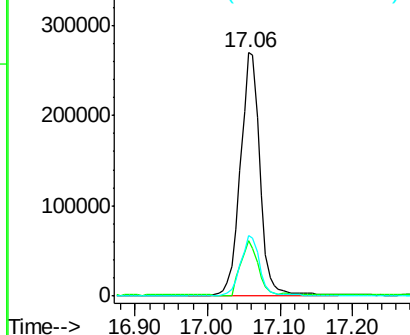
Delta R.T. 0.02 min

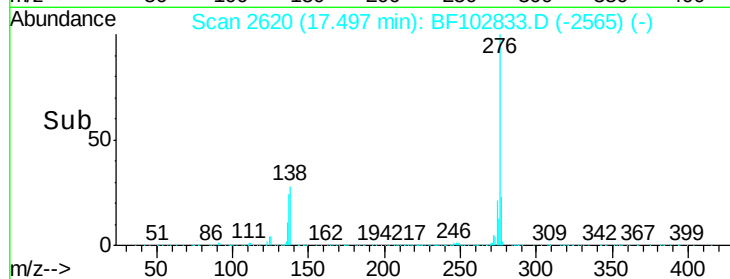
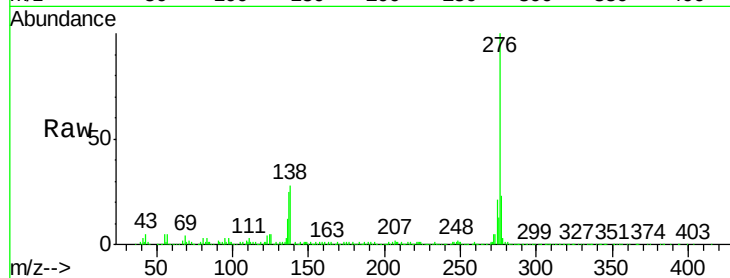
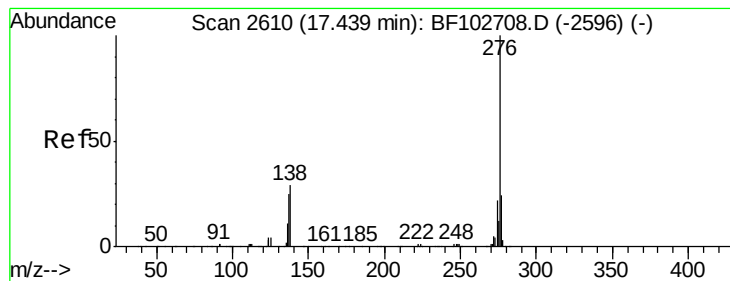
Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 505640 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 22.6  | 15.9  | 23.9   |
| 279       | 25.1  | 19.0  | 28.4   |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 37.816 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.02 min

Lab File: BF102833.D

Acq: 7 Feb 2018 23:56

Instrument :

BNA\_F

ClientSampleId :

3N-15MSD

Tot Ion: 276 Resp: 486241

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 28.3 21.8 32.8

Manual Integrations  
APPROVED

Sohil  
2/8/2018 1:41:47 PM

