

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\  
 Data File : BF107536.D  
 Acq On : 20 Jul 2018 20:58  
 Operator : JU/SJ  
 Sample : J4054-06MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

Manual Integrations  
 APPROVED

Sohil  
 7/23/2018 12:44:39 PM

Quant Time: Jul 21 00:13:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 349444   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 1334548  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.02 | 164  | 600700   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.51 | 188  | 1100815  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 705646   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.69 | 264  | 828432   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 2263887 | 104.16 | ng | 0.00 |
| 7) Phenol-d6             | 6.61  | 99  | 2644640 | 101.34 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.54  | 82  | 1660766 | 83.98  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 749921  | 109.78 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 2699367 | 74.33  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.09 | 244 | 2271235 | 82.40  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.89 | 88  | 262586  | 25.957 | ng | # 84   |
| 3) Pyridine                    | 3.66 | 79  | 723555  | 26.291 | ng | # 84   |
| 4) n-Nitrosodimethylamine      | 3.62 | 42  | 380536  | 32.785 | ng | 97     |
| 6) Aniline                     | 6.65 | 93  | 878226  | 26.092 | ng | # 88   |
| 8) 2-Chlorophenol              | 6.77 | 128 | 748373  | 32.140 | ng | 95     |
| 9) Benzaldehyde                | 6.53 | 77  | 344481  | 18.596 | ng | 96     |
| 10) Phenol                     | 6.62 | 94  | 982041  | 31.997 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.71 | 93  | 792665  | 31.151 | ng | 90     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 796218  | 30.159 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 831439  | 30.727 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146 | 743341  | 30.612 | ng | 99     |
| 15) Benzyl Alcohol             | 7.12 | 79  | 604527  | 33.989 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 1289352 | 30.035 | ng | 88     |
| 17) 2-Methylphenol             | 7.22 | 107 | 644045  | 32.542 | ng | 96     |
| 18) Hexachloroethane           | 7.48 | 117 | 292504  | 30.820 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 515743  | 30.591 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.38 | 107 | 787371  | 33.505 | ng | # 67   |
| 22) Acetophenone               | 7.38 | 105 | 1054913 | 33.658 | ng | # 90   |
| 24) Nitrobenzene               | 7.56 | 77  | 799422  | 35.296 | ng | 98     |
| 25) Isophorone                 | 7.79 | 82  | 1458972 | 34.555 | ng | 99     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 385785  | 40.335 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.91 | 122 | 680094  | 37.564 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93  | 963401  | 34.143 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.12 | 162 | 650818  | 35.170 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180 | 661022  | 31.804 | ng | 100    |
| 31) Naphthalene                | 8.28 | 128 | 2042285 | 34.800 | ng | 98     |
| 32) Benzoic acid               | 7.99 | 122 | 103413  | 14.735 | ng | 96     |
| 33) 4-Chloroaniline            | 8.33 | 127 | 445137  | 17.354 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 385238  | 31.193 | ng | 100    |
| 35) Caprolactam                | 8.70 | 113 | 203437m | 33.799 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 702959  | 34.198 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 1449848 | 35.652 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 654251  | 32.654 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 670221  | 65.804 | ng | 99     |

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Instrument :  
 BNA\_F  
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 161-TP-1MS

Manual Integrations  
 APPROVED

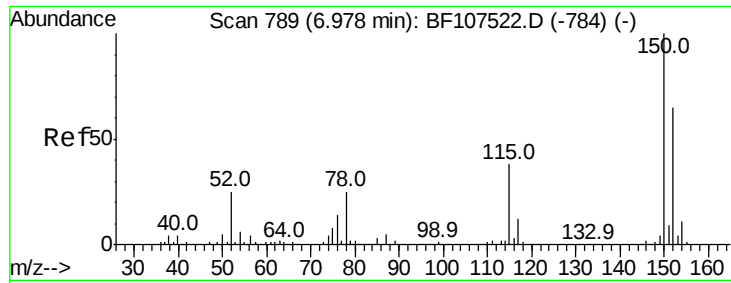
Sohil  
 7/23/2018 12:44:39 PM

Quant Time: Jul 21 00:13:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.25  | 196  | 442181   | 34.479 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.30  | 196  | 487157   | 36.345 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.44  | 154  | 1710905  | 32.696 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.47  | 162  | 1272963  | 31.826 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.57  | 65   | 445966   | 38.245 | ng    | 92       |
| 48) Acenaphthylene             | 9.88  | 152  | 2079539  | 34.610 | ng    | 96       |
| 49) Dimethylphthalate          | 9.74  | 163  | 1741611  | 38.469 | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 334537   | 37.218 | ng    | 92       |
| 51) Acenaphthene               | 10.05 | 154  | 1201642  | 31.919 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.98  | 138  | 268290   | 24.535 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 182101   | 52.784 | ng    | # 23     |
| 54) Dibenzofuran               | 10.22 | 168  | 1809056  | 32.641 | ng    | 96       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 534123   | 65.240 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.21 | 165  | 422112   | 38.905 | ng    | # 98     |
| 57) Fluorene                   | 10.57 | 166  | 1387387  | 35.088 | ng    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.34 | 232  | 397270   | 35.613 | ng    | 89       |
| 59) Diethylphthalate           | 10.43 | 149  | 1571821  | 33.243 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204  | 689561   | 30.849 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.60 | 138  | 344675   | 37.517 | ng    | 98       |
| 62) Azobenzene                 | 10.72 | 77   | 1431937  | 32.297 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 158019   | 33.038 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.68 | 169  | 1258216  | 33.654 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.05 | 248  | 431796   | 33.322 | ng    | # 88     |
| 67) Hexachlorobenzene          | 11.11 | 284  | 447243   | 31.367 | ng    | 91       |
| 68) Atrazine                   | 11.20 | 200  | 393780   | 34.497 | ng    | 95       |
| 69) Pentachlorophenol          | 11.31 | 266  | 461558   | 51.826 | ng    | 98       |
| 70) Phenanthrene               | 11.54 | 178  | 1800699  | 33.568 | ng    | 97       |
| 71) Anthracene                 | 11.59 | 178  | 1851153  | 34.274 | ng    | 97       |
| 72) Carbazole                  | 11.75 | 167  | 1729569  | 30.795 | ng    | 98       |
| 73) Di-n-butylphthalate        | 12.06 | 149  | 2112873  | 33.989 | ng    | 98       |
| 74) Fluoranthene               | 12.73 | 202  | 1761931  | 30.609 | ng    | 97       |
| 76) Benzidine                  | 12.85 | 184  | 581244   | 28.603 | ng    | 97       |
| 77) Pyrene                     | 12.96 | 202  | 1707111  | 35.368 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.57 | 149  | 773801   | 37.278 | ng    | 92       |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 1395051  | 33.736 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.11 | 252  | 403952   | 29.955 | ng    | 98       |
| 82) Chrysene                   | 14.18 | 228  | 1311802  | 33.024 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 1030720  | 35.192 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 1695108  | 37.234 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 1824105  | 54.182 | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 15.24 | 252  | 1435477  | 31.661 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.27 | 252  | 1351163  | 30.418 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 1399752  | 33.751 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.28 | 278  | 1488935  | 41.532 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.75 | 276  | 1511298  | 42.737 | ng    | 95       |

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





#1

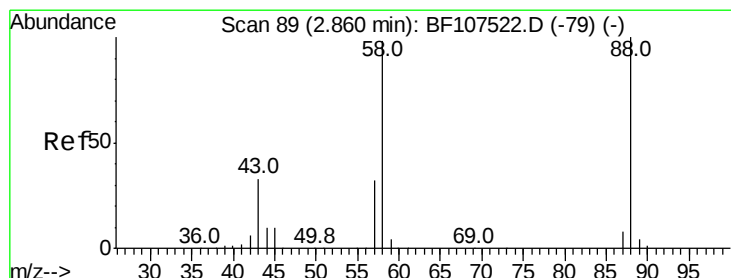
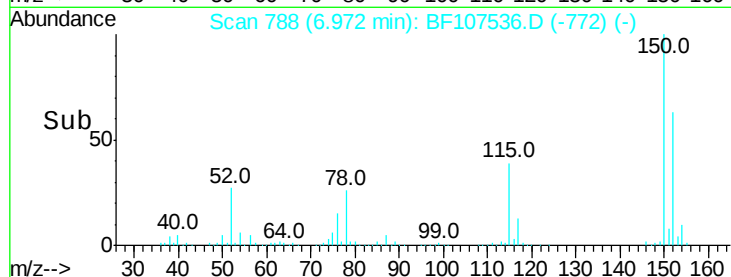
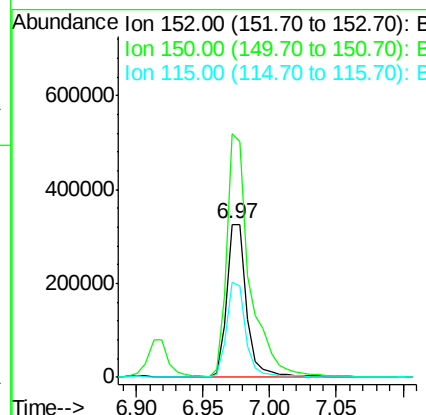
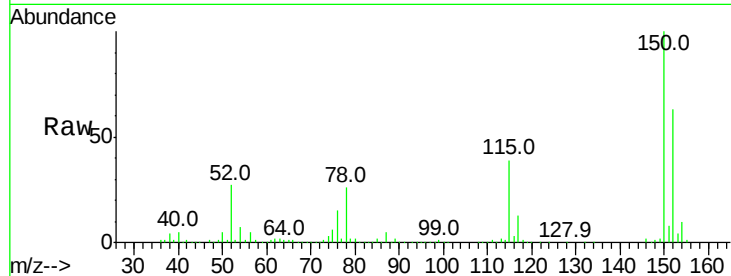
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.9 | 124.6 | 186.8 |
| 115     | 62.5  | 50.1  | 75.1  |

Manual Integrations  
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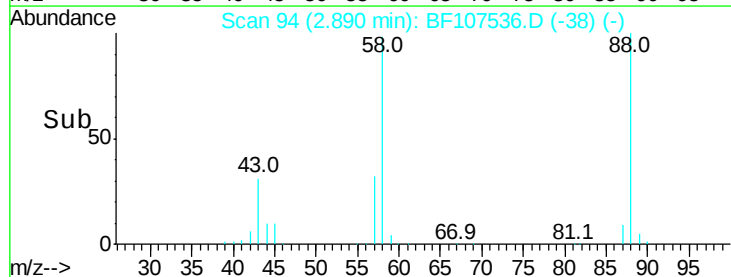
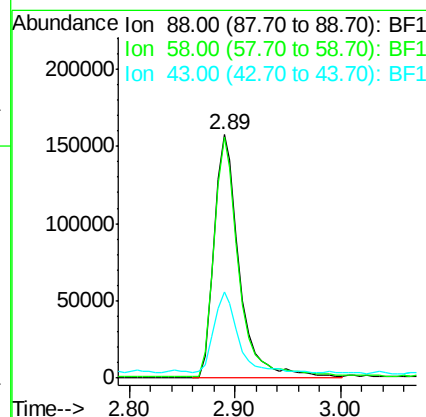
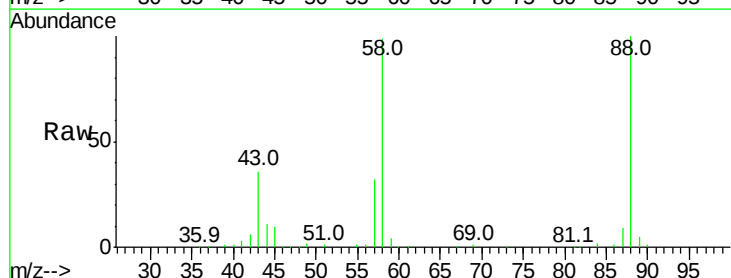
Sohil  
7/23/2018 12:44:39 PM

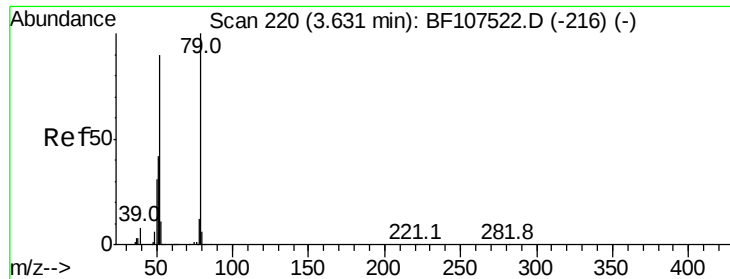


#2

1,4-Dioxane  
Concen: 25.957 ng  
RT: 2.89 min Scan# 94  
Delta R.T. 0.03 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 96.8  | 62.6  | 93.8# |
| 43      | 32.0  | 24.6  | 37.0  |





#3

Pvridine

Concen: 26.291 ng

RT: 3.66 min Scan# 225

Delta R.T. 0.03 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

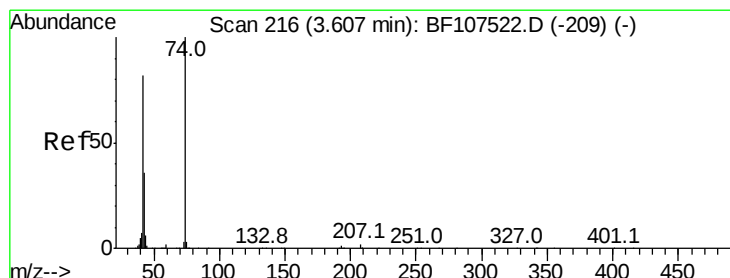
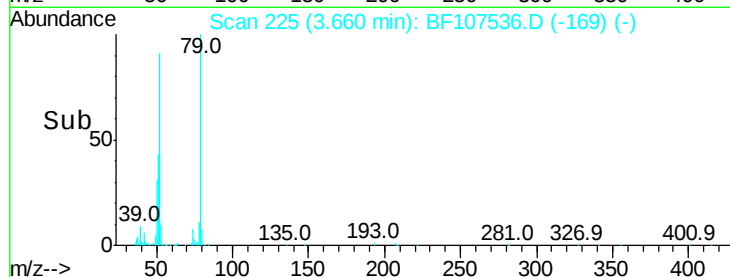
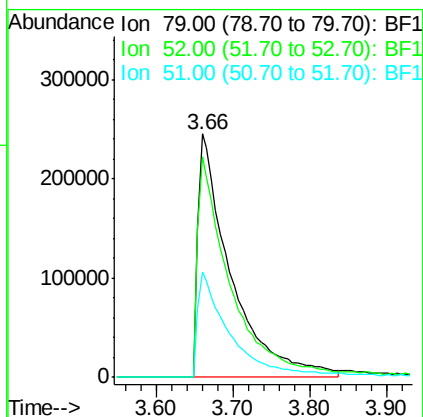
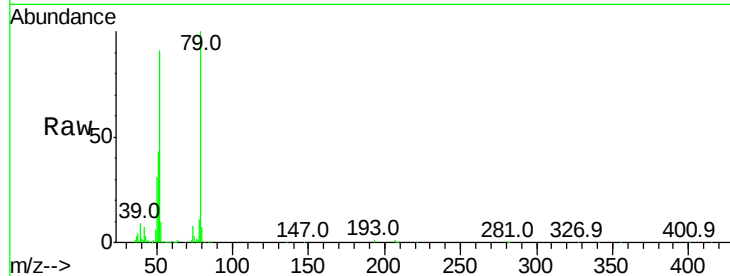
ClientSampleId :

161-TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 723555 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 90.7  | 59.8  | 89.6#  |
| 51        | 43.3  | 29.8  | 44.8   |

Manual Integrations  
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7/23/2018 12:44:39 PM



#4

n-Nitrosodimethylamine

Concen: 32.785 ng

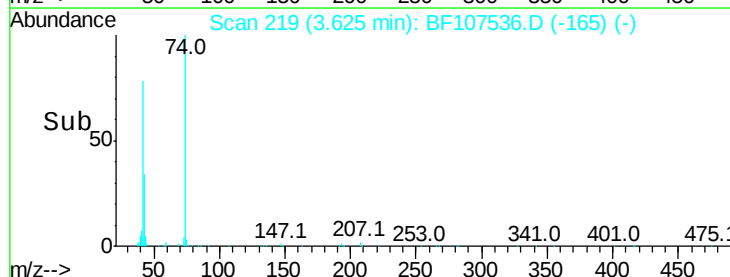
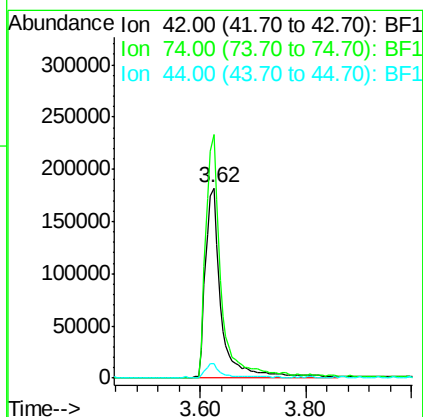
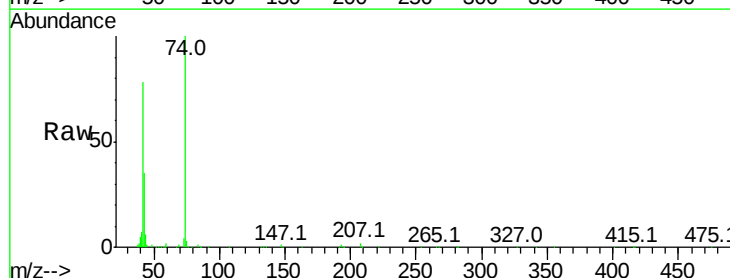
RT: 3.62 min Scan# 219

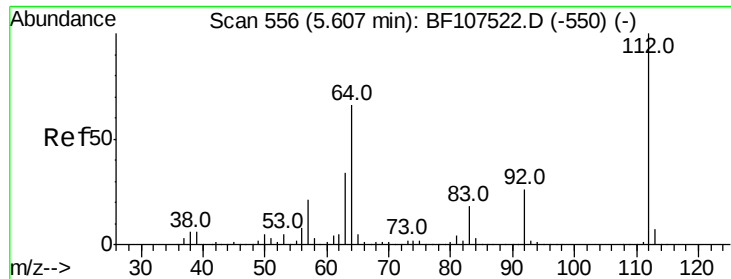
Delta R.T. 0.02 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 380536 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 128.2 | 104.9 | 157.3  |
| 44        | 7.4   | 6.9   | 10.3   |





#5

2-Fluorophenol

Concen: 104.163 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

ClientSampleId :

161-TP-1MS

Tot Ion:112 Resp: 2263887

Ion Ratio Lower Upper

112 100

64 67.9 47.9 71.9

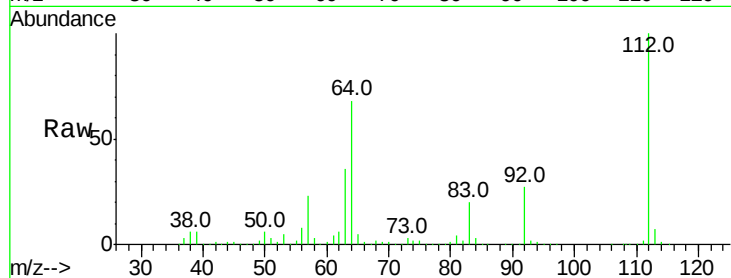
63 35.8 23.7 35.5#

Manual Integrations

APPROVED

Sohil

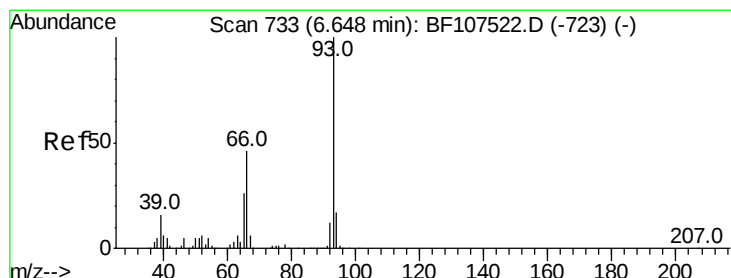
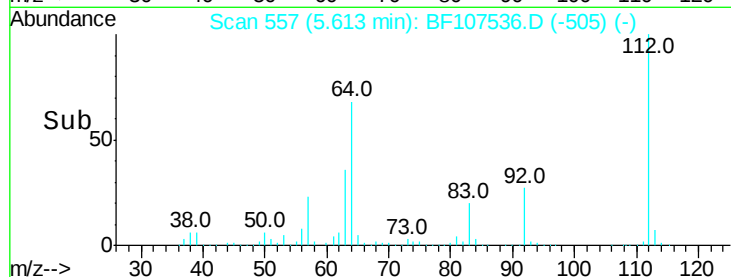
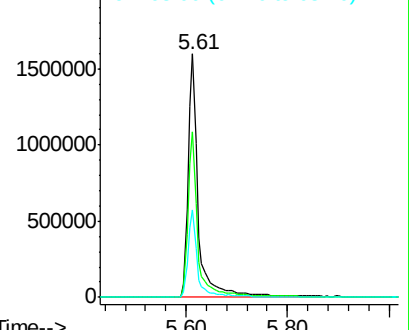
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.092 ng

RT: 6.65 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

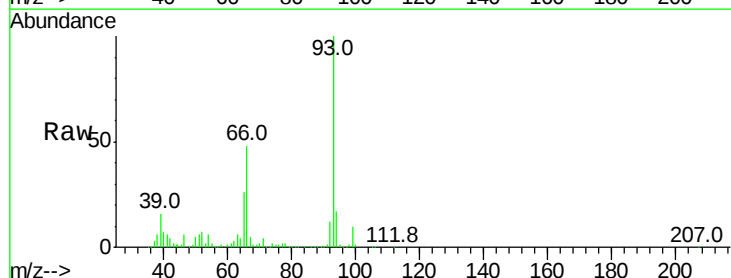
Tgt Ion: 93 Resp: 878226

Ion Ratio Lower Upper

93 100

66 48.1 32.2 48.2

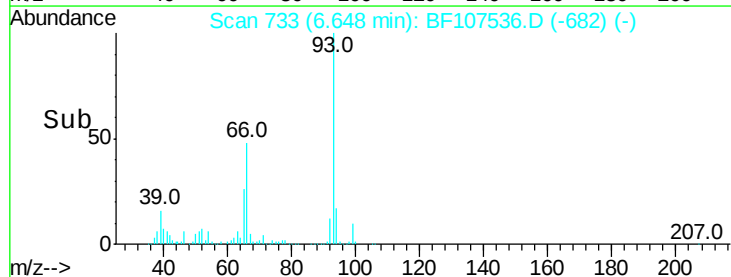
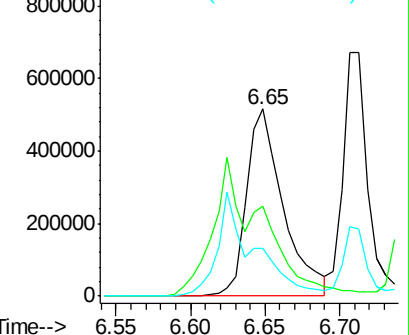
65 25.6 16.4 24.6#

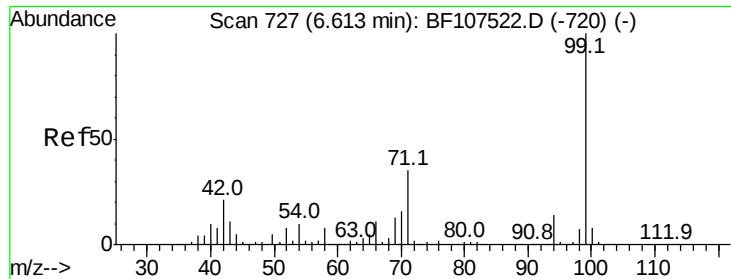


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 101.339 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

ClientSampleId :

161-TP-1MS

Tot Ion: 99 Resp: 2644640

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

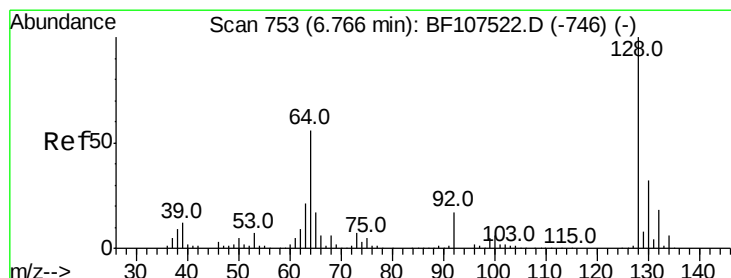
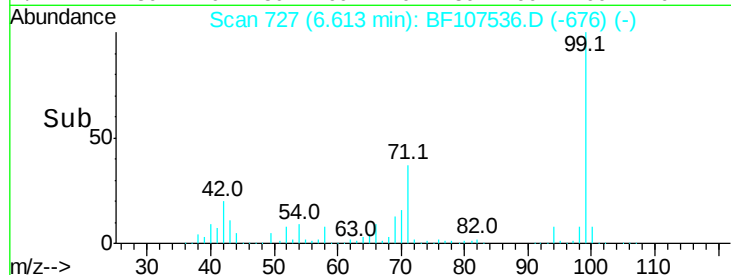
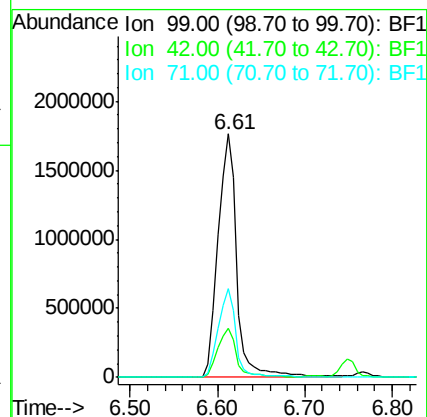
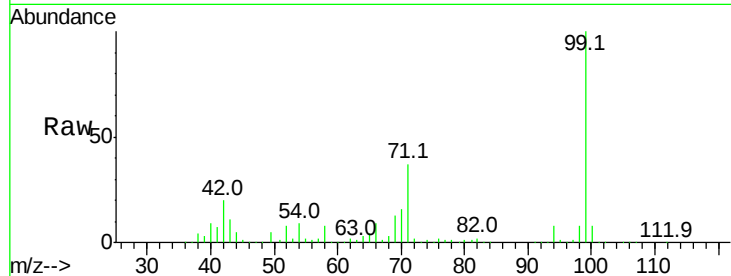
71 36.5 25.4 38.0

Manual Integrations

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Sohil

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#8

2-Chlorophenol

Concen: 32.140 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

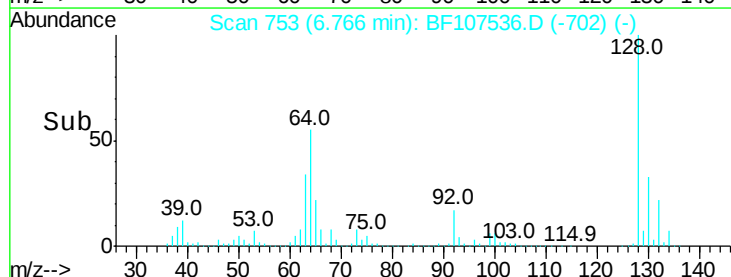
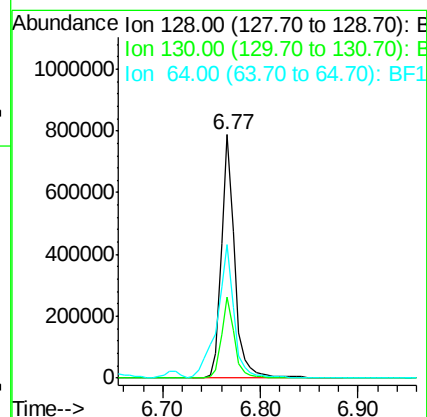
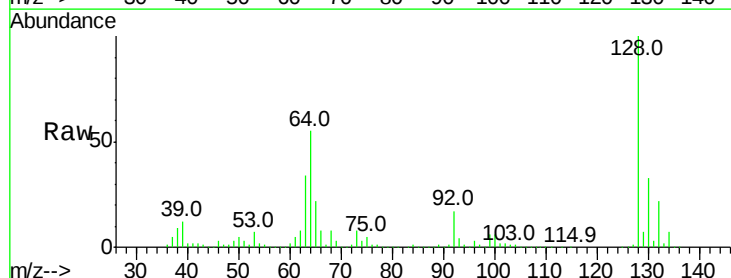
Tgt Ion: 128 Resp: 748373

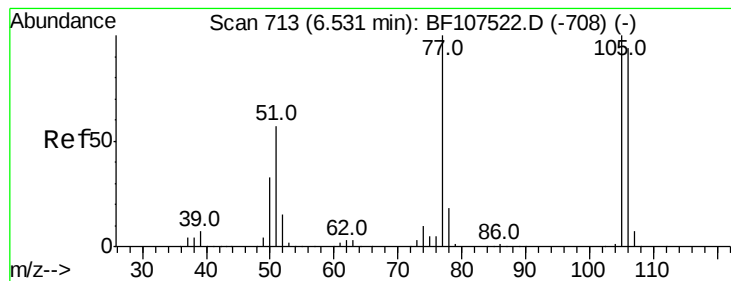
Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

64 54.7 29.4 69.4





#9

Benzaldehyde

Concen: 18.596 ng

RT: 6.53 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

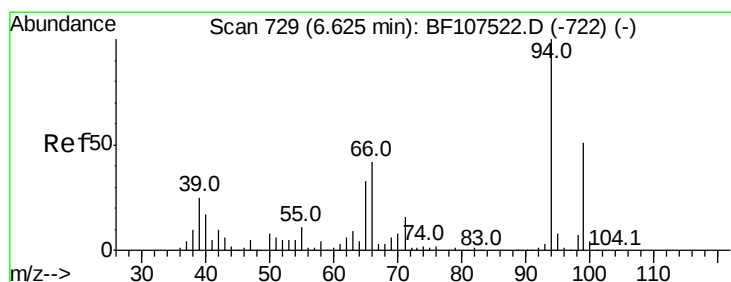
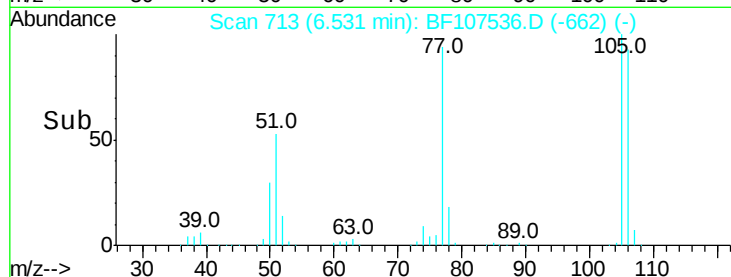
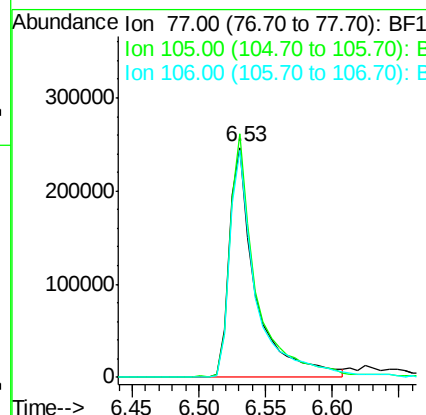
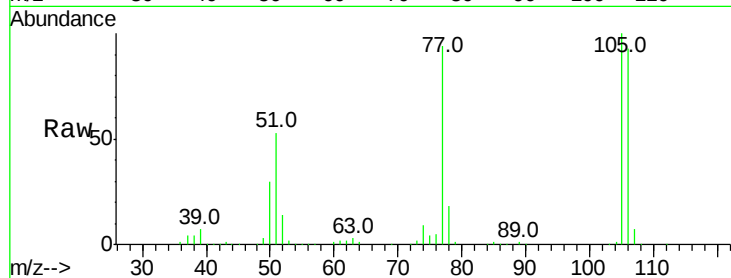
ClientSampleId :

161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 105.8 | 81.1  | 121.1 |
| 106     | 98.6  | 74.5  | 114.5 |

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#10

Phenol

Concen: 31.997 ng

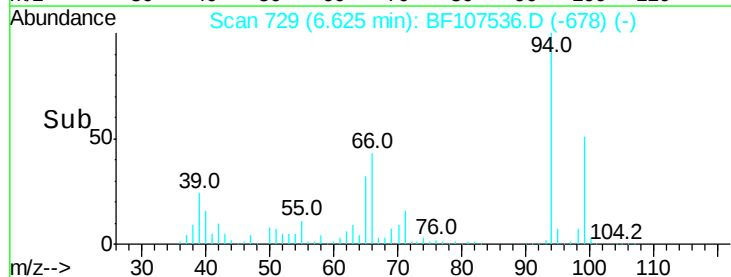
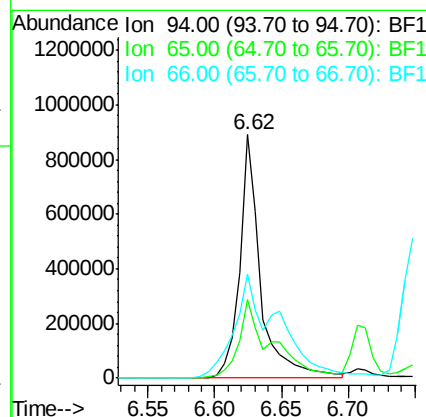
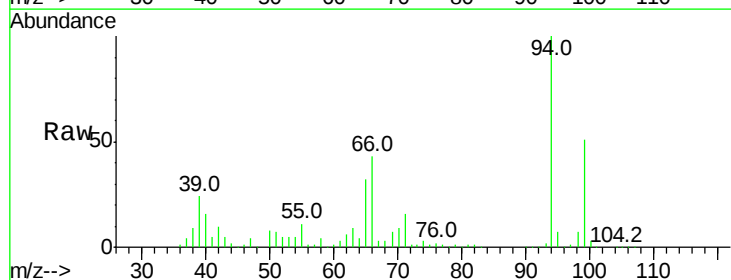
RT: 6.62 min Scan# 729

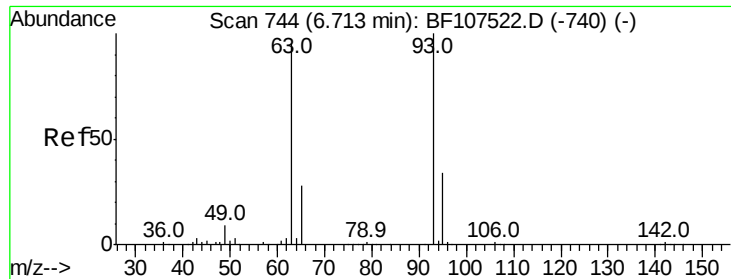
Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 32.2  | 7.9   | 47.9  |
| 66      | 42.7  | 16.2  | 56.2  |





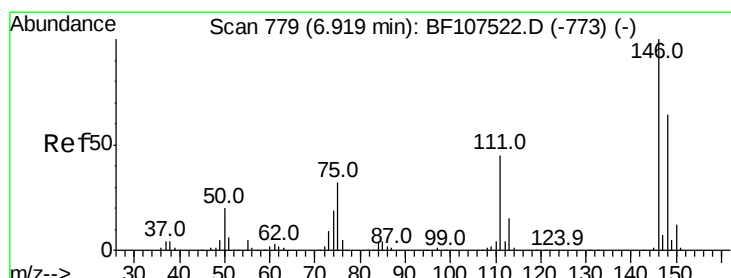
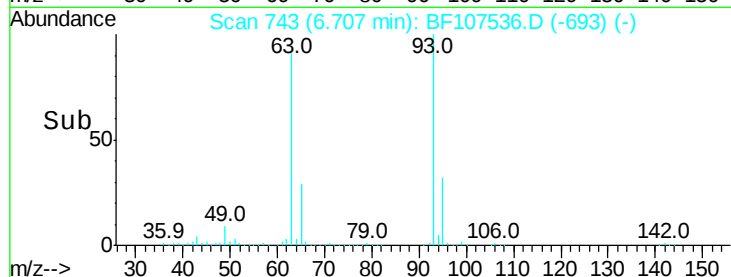
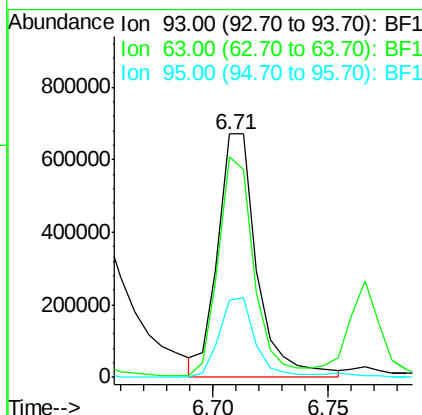
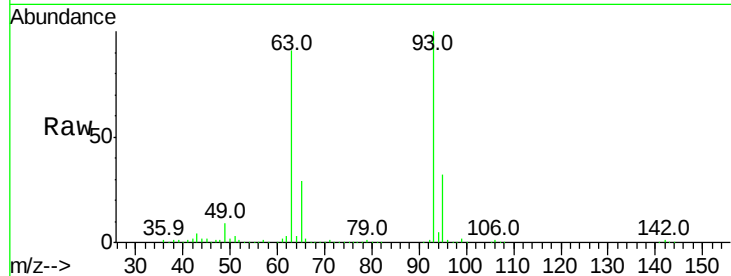
#11  
bis(2-Chloroethyl)ether  
Concen: 31.151 ng  
RT: 6.71 min Scan# 743  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.6  | 58.6  | 98.6  |
| 95      | 31.8  | 11.8  | 51.8  |

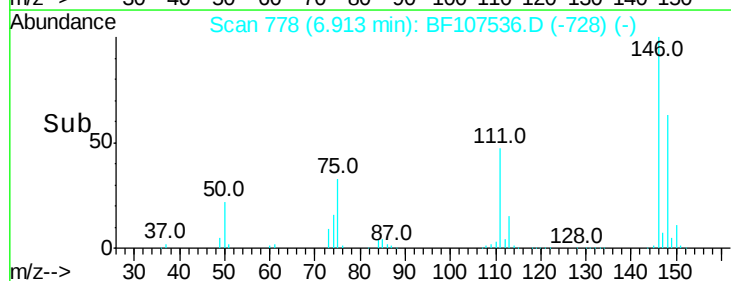
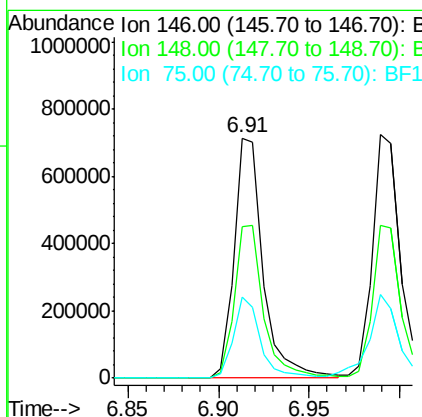
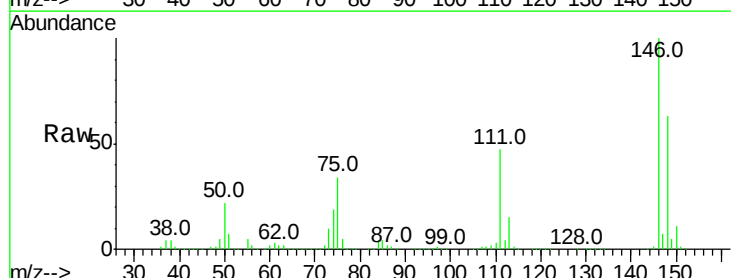
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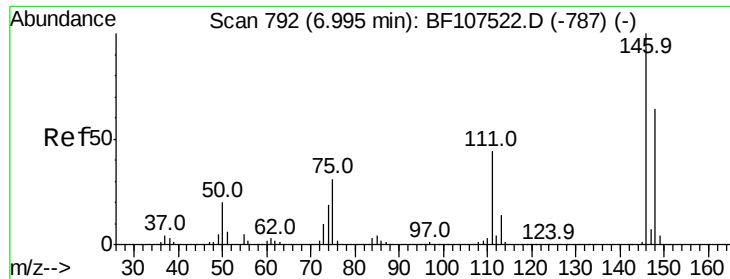
Sohil  
7/23/2018 12:44:39 PM



#12  
1,3-Dichlorobenzene  
Concen: 30.159 ng  
RT: 6.91 min Scan# 778  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.9  | 51.8  | 77.8  |
| 75      | 33.9  | 24.2  | 36.4  |





#13

1,4-Dichlorobenzene

Concen: 30.727 ng

RT: 6.99 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

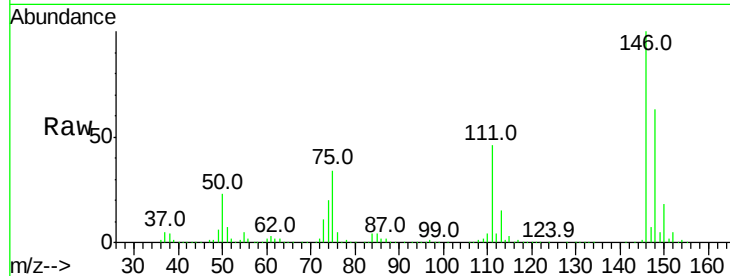
ClientSampled :

161-TP-1MS

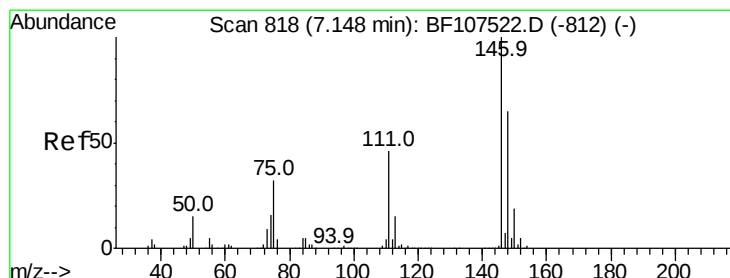
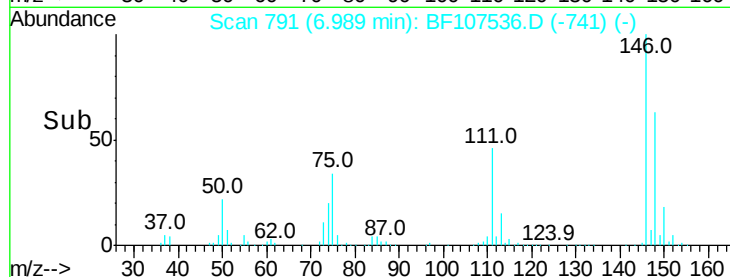
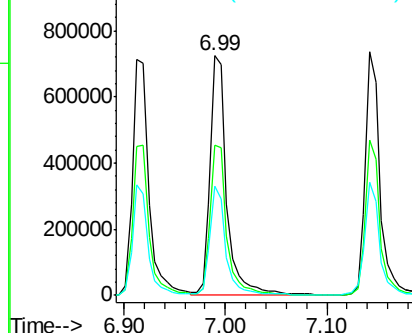
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 831439 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.5  | 50.8  | 76.2   |
| 111       | 45.6  | 34.2  | 51.2   |

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Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 30.612 ng

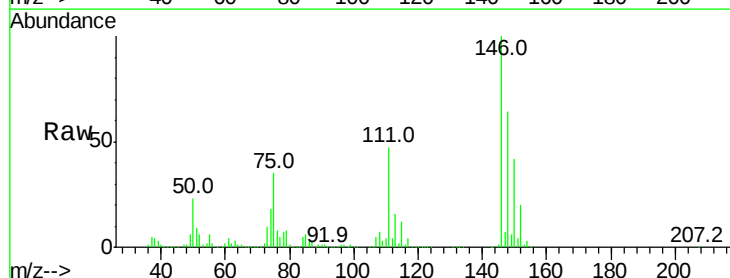
RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

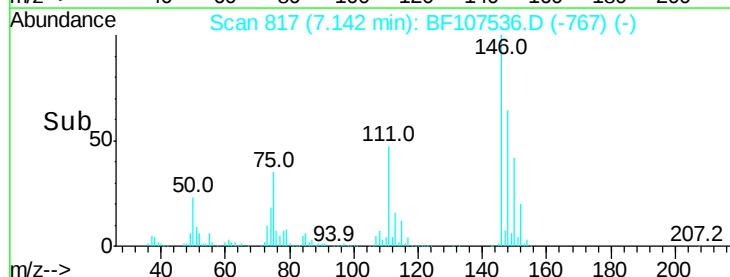
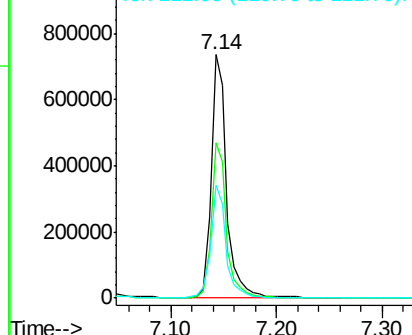
Lab File: BF107536.D

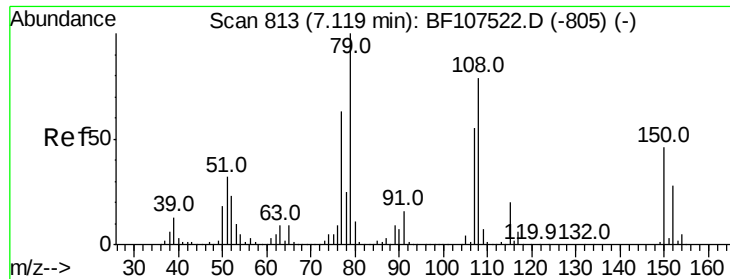
Acq: 20 Jul 2018 20:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 743341 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.6  | 50.6  | 75.8   |
| 111       | 46.7  | 36.0  | 54.0   |



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





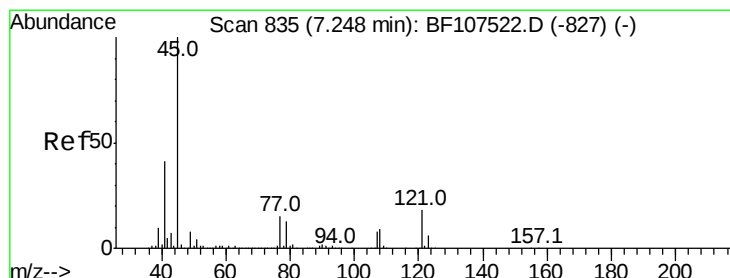
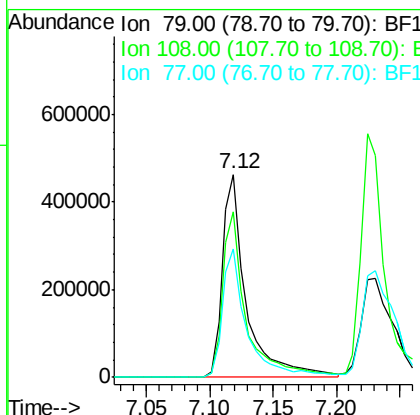
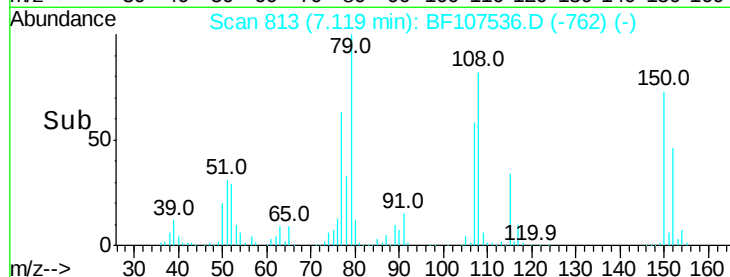
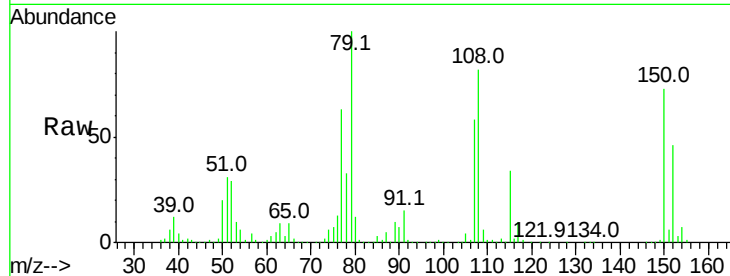
#15  
Benzyl Alcohol  
Concen: 33.989 ng  
RT: 7.12 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 604527 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 81.8  | 65.1  | 97.7   |
| 77        | 63.4  | 50.6  | 75.8   |

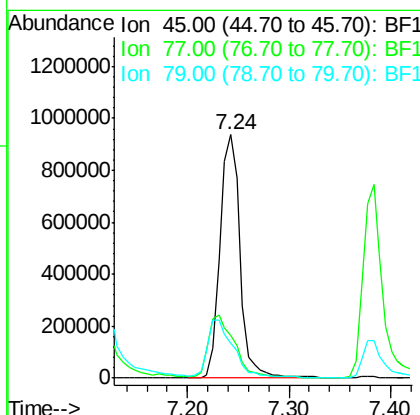
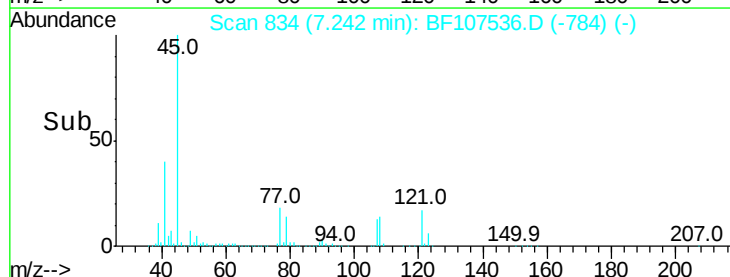
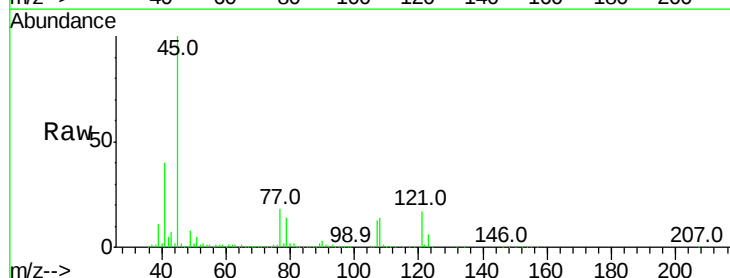
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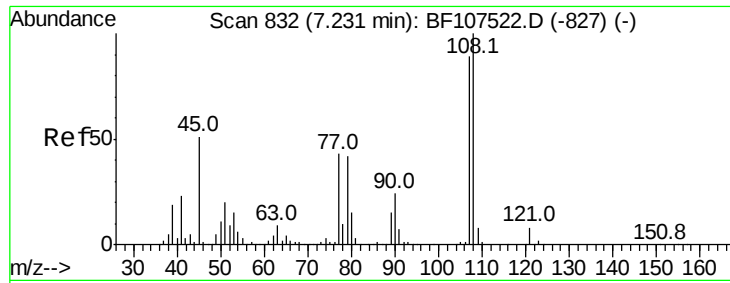
Sohil  
7/23/2018 12:44:39 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 30.035 ng  
RT: 7.24 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 45    | Resp: | 1289352 |
| Ion Ratio | Lower | Upper |         |
| 45        | 100   |       |         |
| 77        | 17.6  | 0.0   | 32.9    |
| 79        | 14.2  | 0.0   | 29.6    |





#17

2-Methylphenol

Concen: 32.542 ng

RT: 7.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

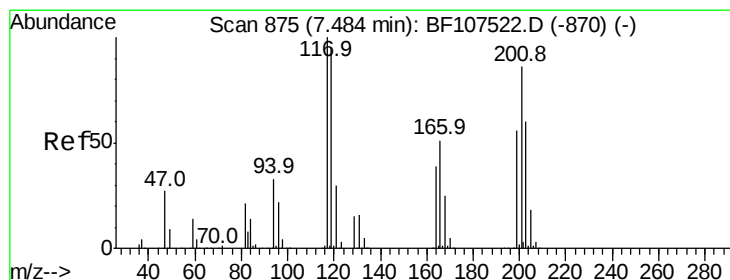
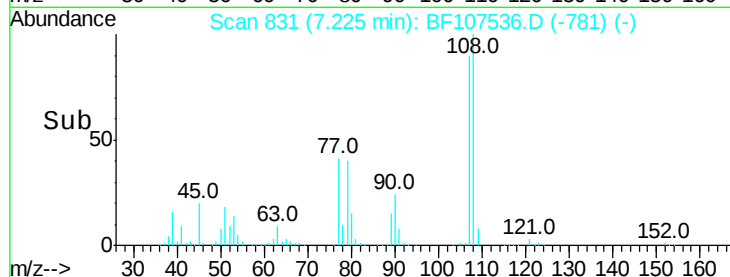
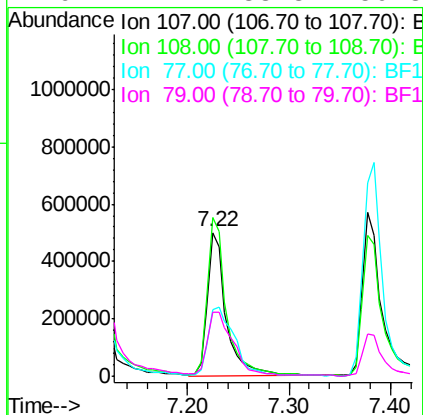
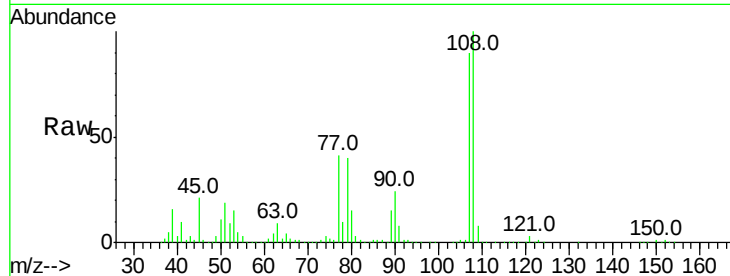
ClientSampleId :

161-TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 644045 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 110.7 | 91.7  | 137.5  |
| 77        | 45.9  | 33.8  | 50.8   |
| 79        | 44.4  | 33.8  | 50.8   |

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7/23/2018 12:44:39 PM



#18

Hexachloroethane

Concen: 30.820 ng

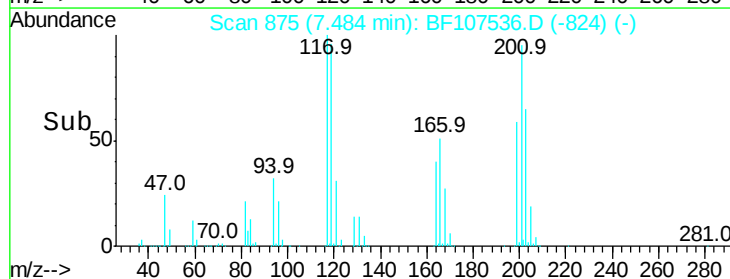
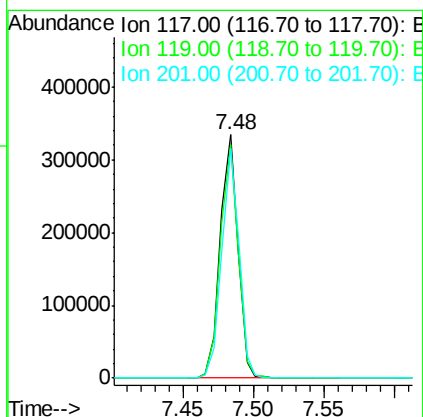
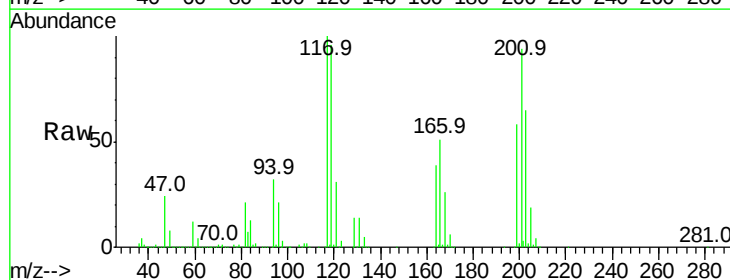
RT: 7.48 min Scan# 875

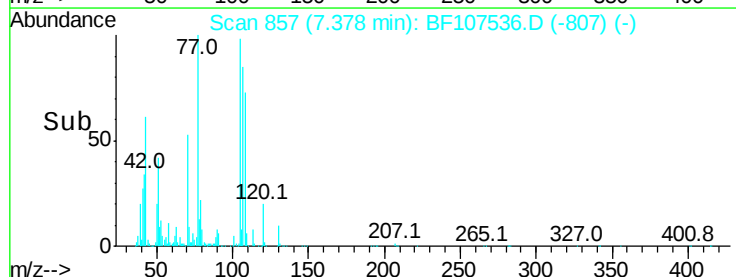
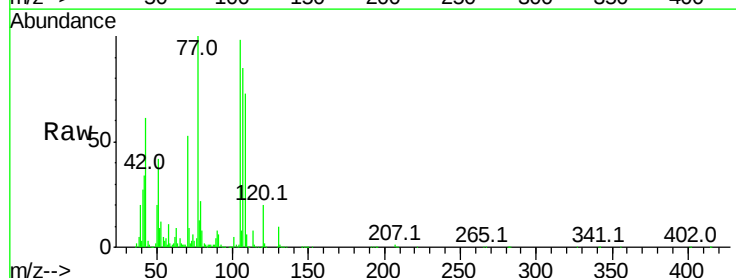
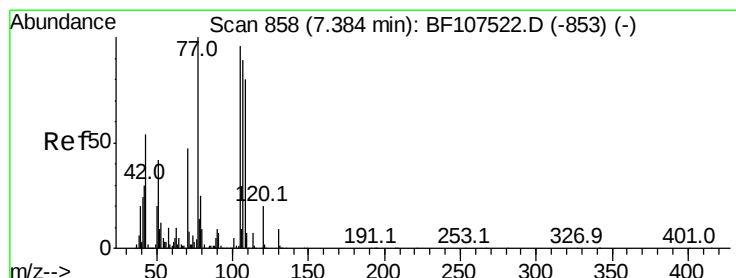
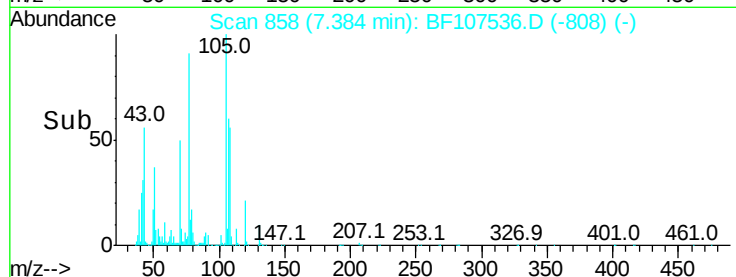
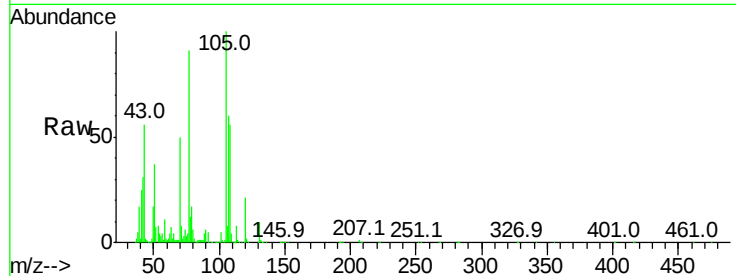
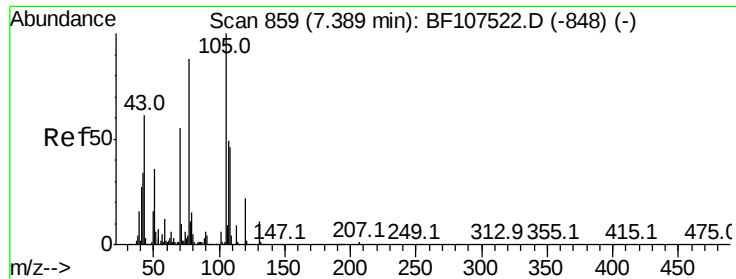
Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 292504 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 96.0  | 75.8  | 113.8  |
| 201       | 94.2  | 75.7  | 113.5  |





#19

n-Nitroso-di-n-propylamine

Concen: 30.591 ng

RT: 7.38 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF107536.D

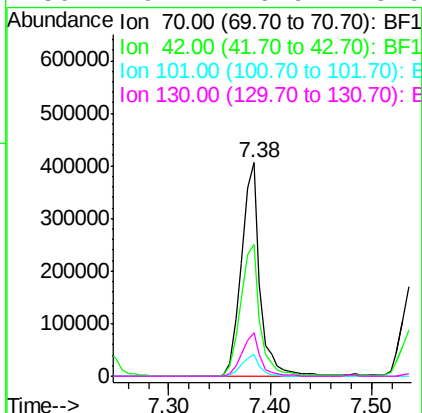
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 61.7  | 47.5  | 71.3  |
| 101     | 10.1  | 7.4   | 11.2  |
| 130     | 20.4  | 16.6  | 25.0  |

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7/23/2018 12:44:39 PM



#20

3+4-Methylphenols

Concen: 33.505 ng

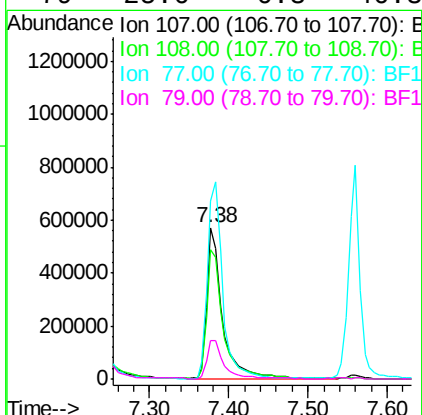
RT: 7.38 min Scan# 857

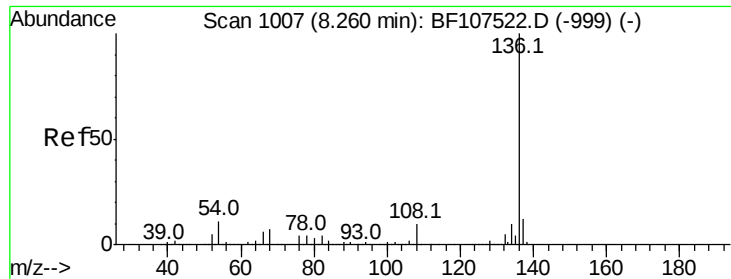
Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 85.6  | 68.2  | 108.2 |
| 77      | 117.9 | 26.7  | 66.7# |
| 79      | 25.6  | 6.3   | 46.3  |





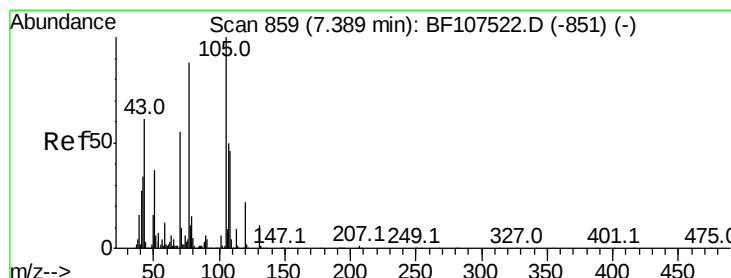
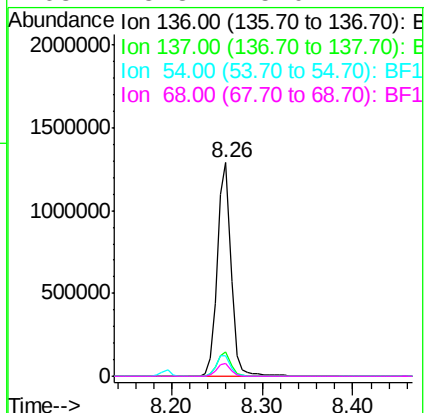
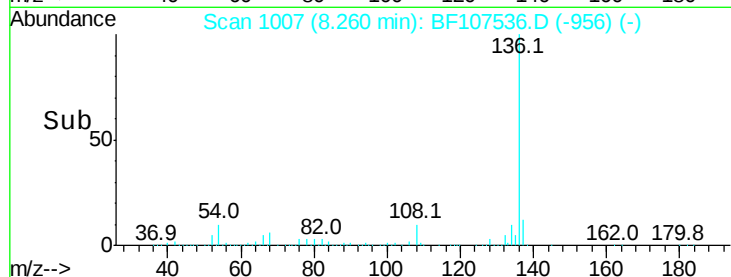
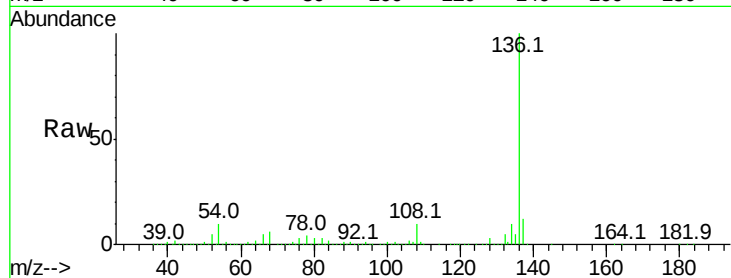
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.7  | 8.9   | 13.3  |
| 54      | 9.9   | 6.6   | 9.8#  |
| 68      | 5.8   | 5.0   | 7.4   |

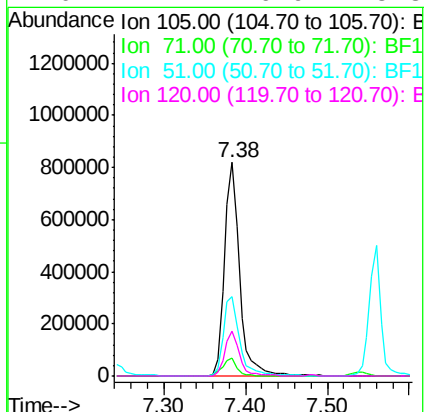
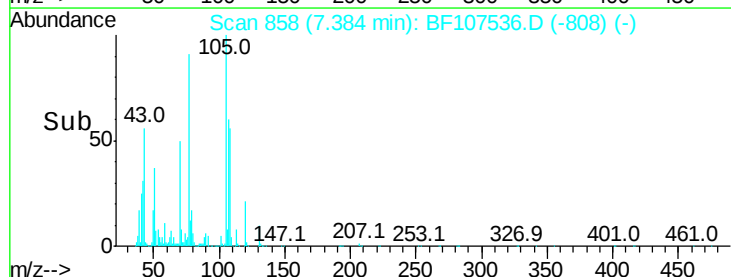
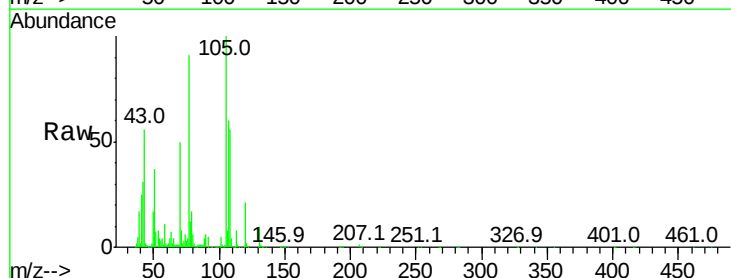
Manual Integrations  
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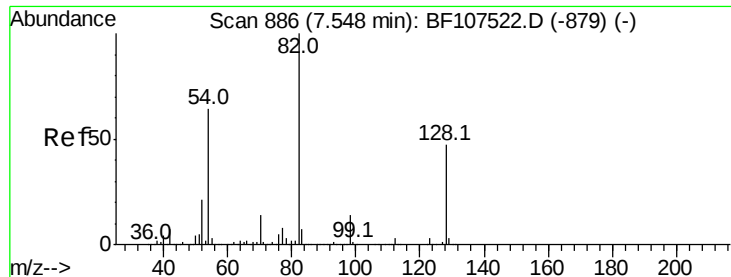
Sohil  
7/23/2018 12:44:39 PM



#22  
Acetophenone  
Concen: 33.658 ng  
RT: 7.38 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 8.2   | 4.4   | 6.6#  |
| 51      | 37.1  | 22.3  | 33.5# |
| 120     | 21.2  | 16.9  | 25.3  |





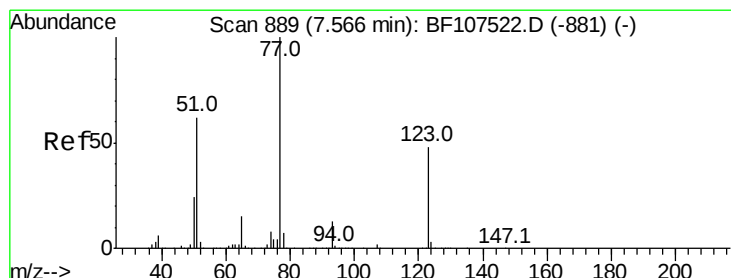
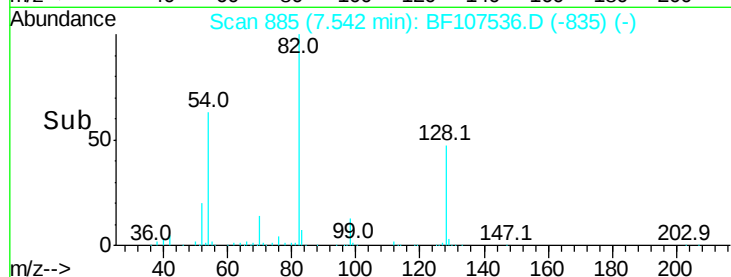
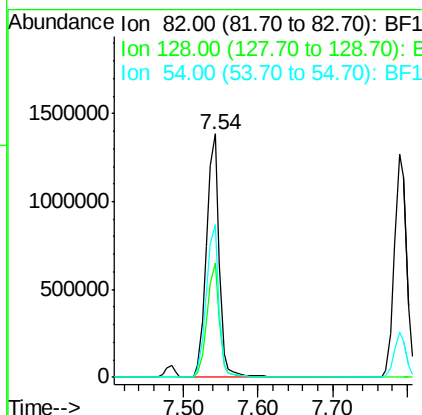
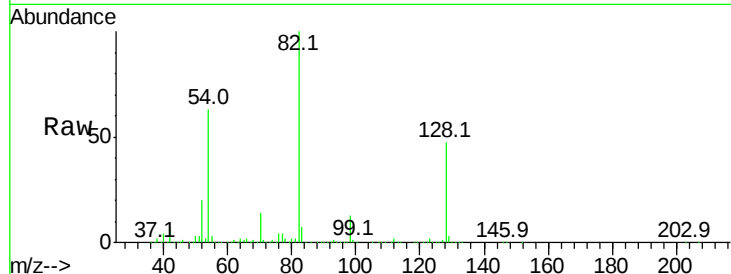
#23  
 Nitrobenzene-d5  
 Concen: 83.984 ng  
 RT: 7.54 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

Tot Ion: 82 Resp: 1660766  
 Ion Ratio Lower Upper  
 82 100  
 128 46.9 36.1 54.1  
 54 62.9 41.4 62.2#

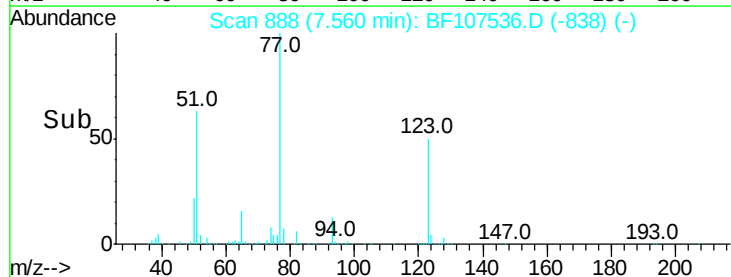
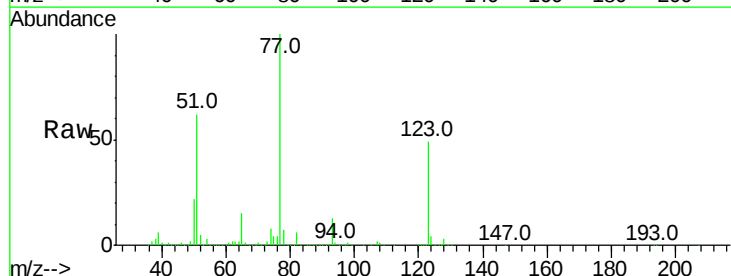
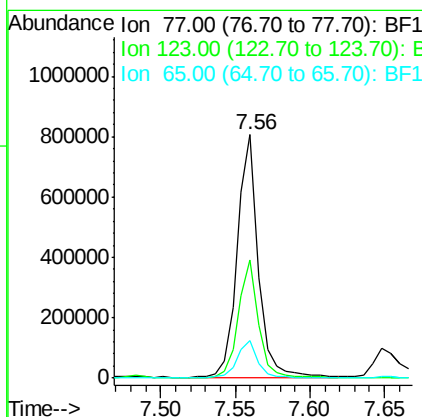
Manual Integrations  
 APPROVED

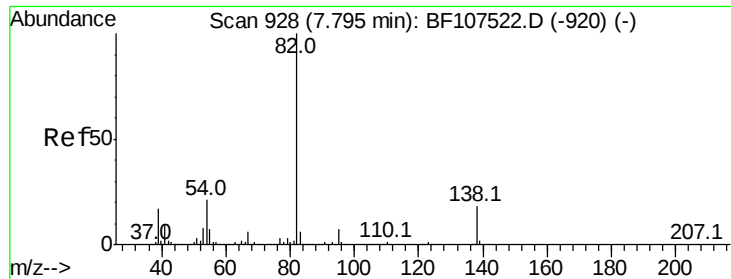
Sohil  
 7/23/2018 12:44:39 PM



#24  
 Nitrobenzene  
 Concen: 35.296 ng  
 RT: 7.56 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Tgt Ion: 77 Resp: 799422  
 Ion Ratio Lower Upper  
 77 100  
 123 48.7 37.9 56.9  
 65 15.3 11.0 16.4





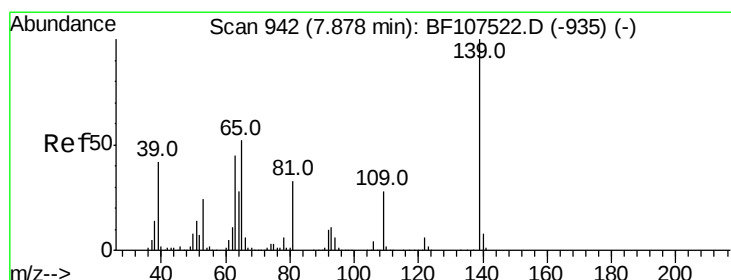
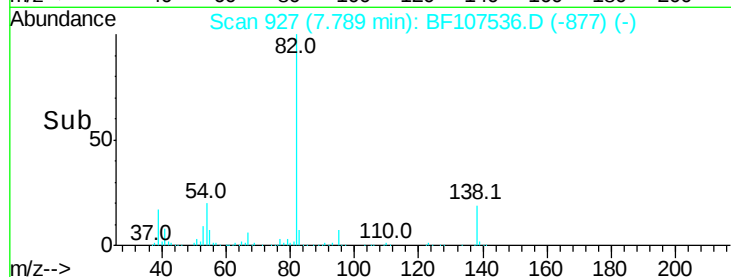
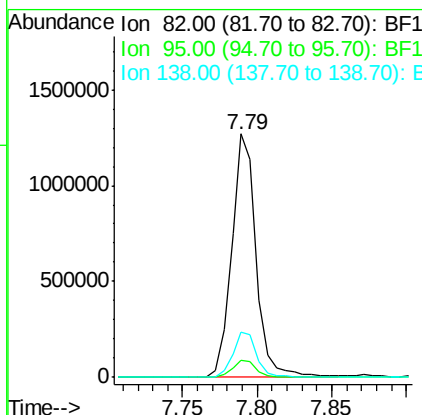
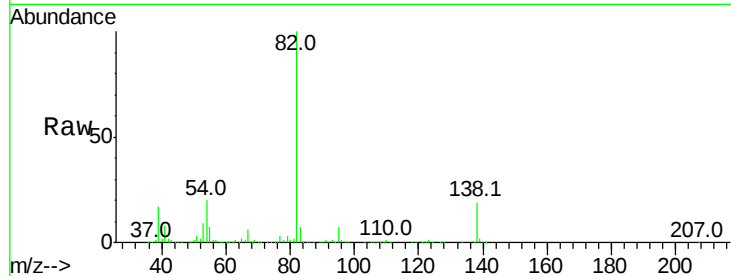
#25  
Isophorone  
Concen: 34.555 ng  
RT: 7.79 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

Tot Ion: 82 Resp: 1458972  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.2 7.8  
138 18.6 14.9 22.3

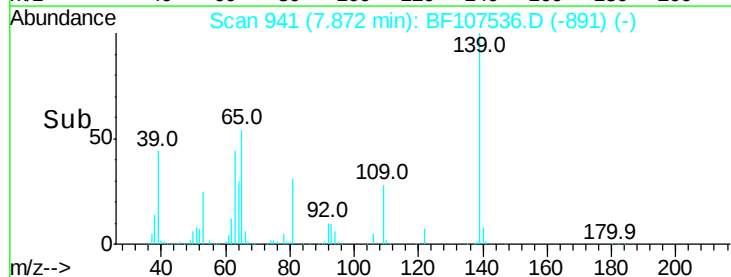
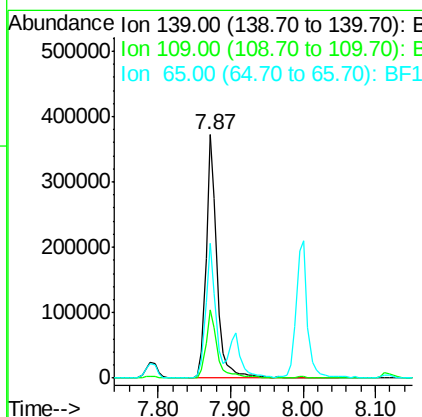
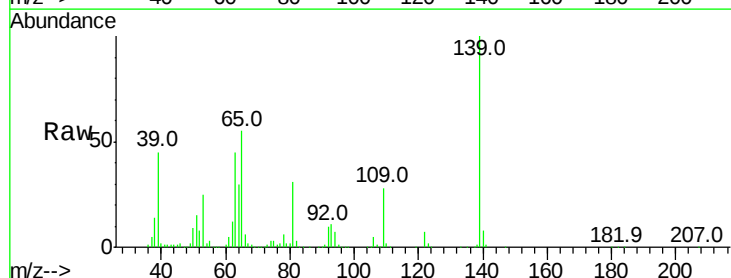
Manual Integrations  
APPROVED

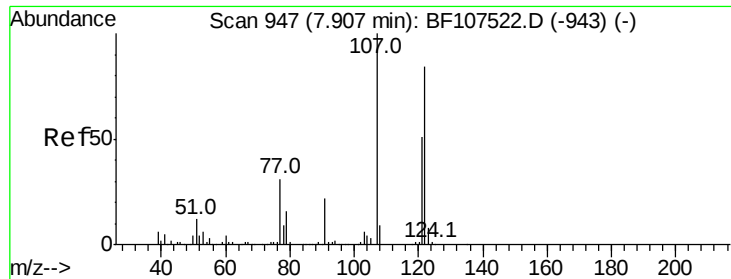
Sohil  
7/23/2018 12:44:39 PM



#26  
2-Nitrophenol  
Concen: 40.335 ng  
RT: 7.87 min Scan# 941  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Tgt Ion: 139 Resp: 385785  
Ion Ratio Lower Upper  
139 100  
109 28.1 22.7 34.1  
65 55.3 40.5 60.7





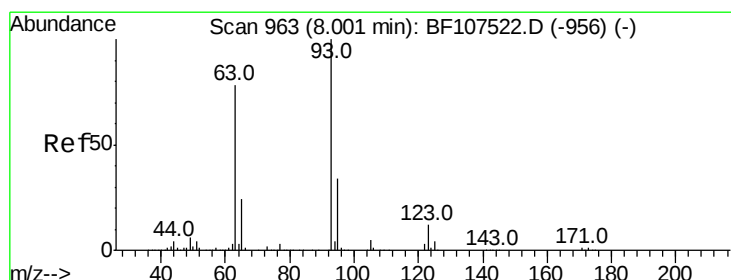
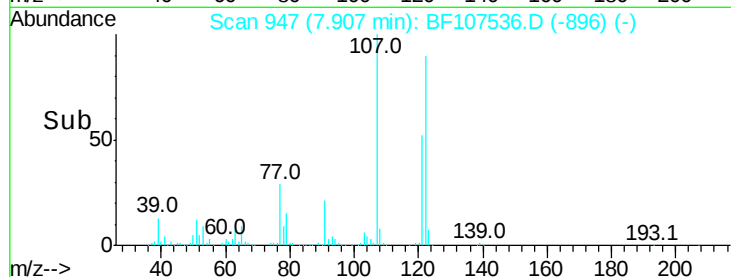
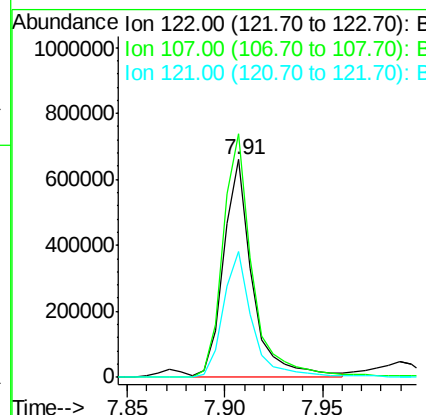
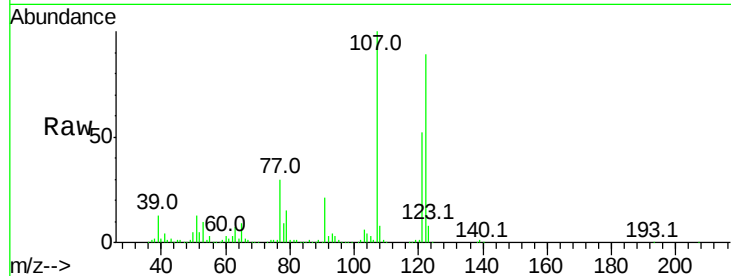
#27  
2,4-Dimethylphenol  
Concen: 37.564 ng  
RT: 7.91 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampled :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 111.8 | 91.2  | 136.8 |
| 121     | 57.9  | 47.2  | 70.8  |

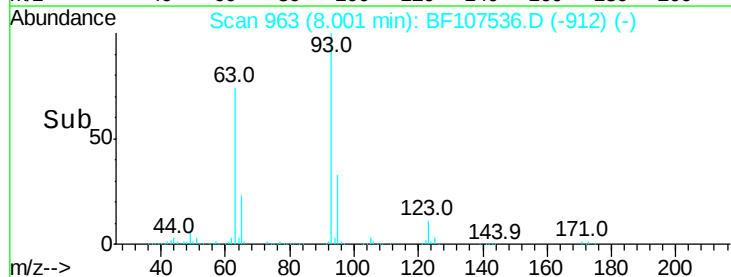
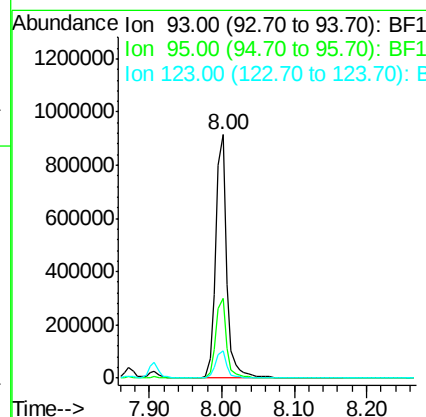
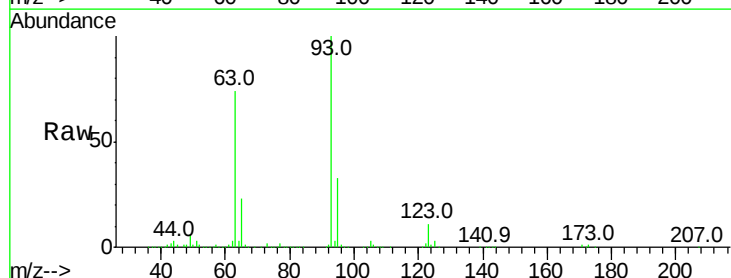
Manual Integrations  
APPROVED

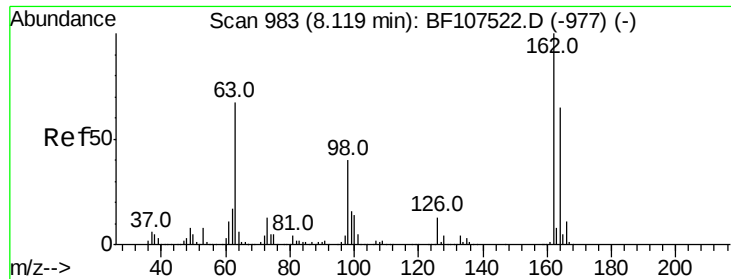
Sohil  
7/23/2018 12:44:39 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 34.143 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.3  | 39.5  |
| 123     | 11.2  | 9.8   | 14.6  |





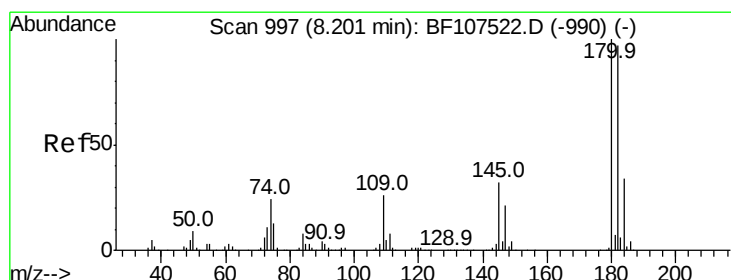
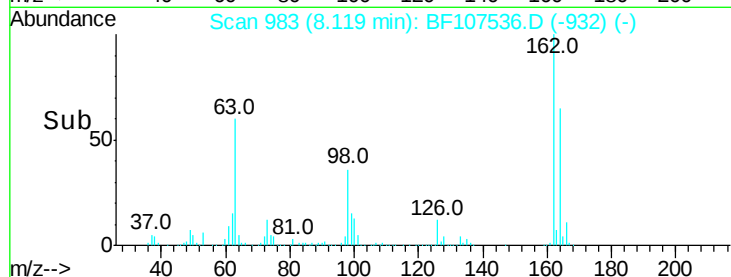
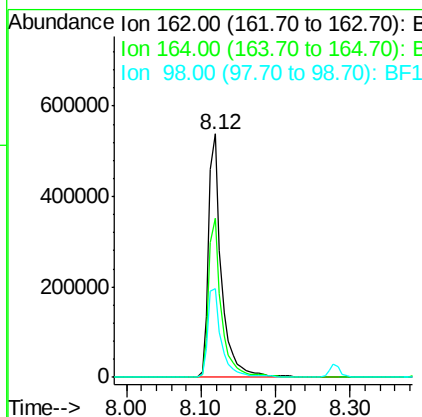
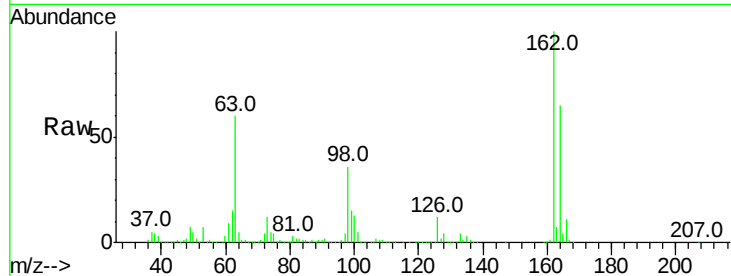
#29  
2,4-Dichlorophenol  
Concen: 35.170 ng  
RT: 8.12 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampled :  
161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 650818 |       |       |
| 164     | 65.4  | 42.7   | 82.7  |       |
| 98      | 36.2  | 18.1   | 58.1  |       |

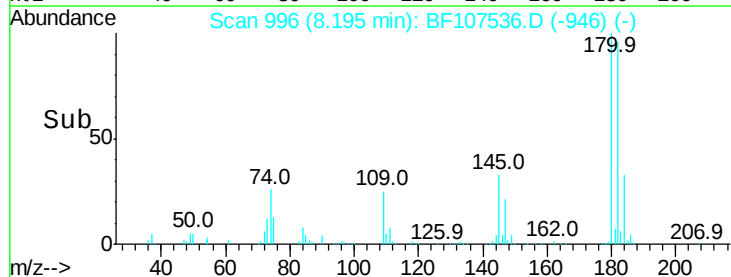
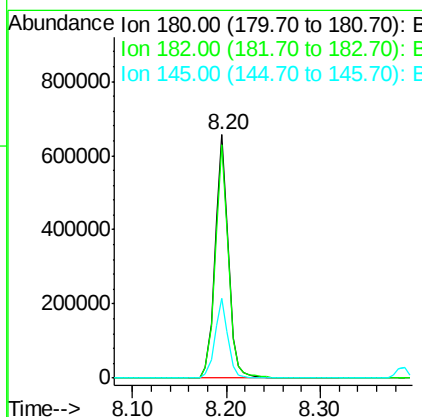
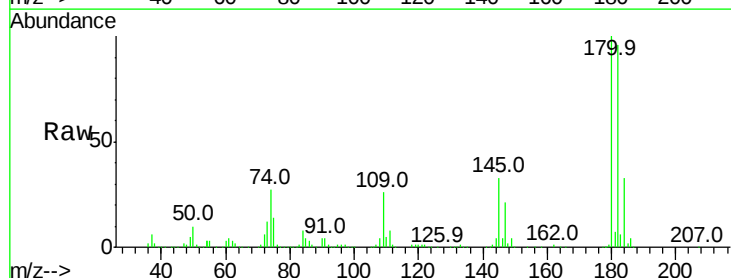
Manual Integrations  
APPROVED

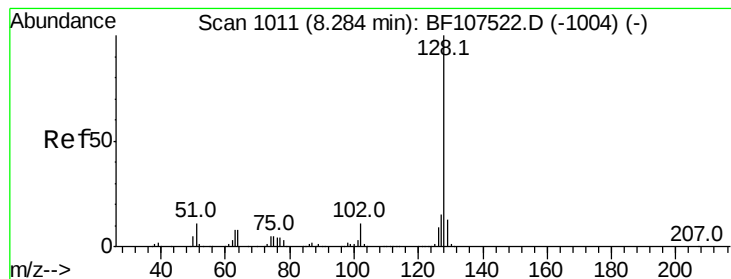
Sohil  
7/23/2018 12:44:39 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 31.804 ng  
RT: 8.20 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 661022 |       |       |
| 182     | 95.6  | 76.8   | 115.2 |       |
| 145     | 32.9  | 26.5   | 39.7  |       |





#31

Naphthalene

Concen: 34.800 ng

RT: 8.28 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

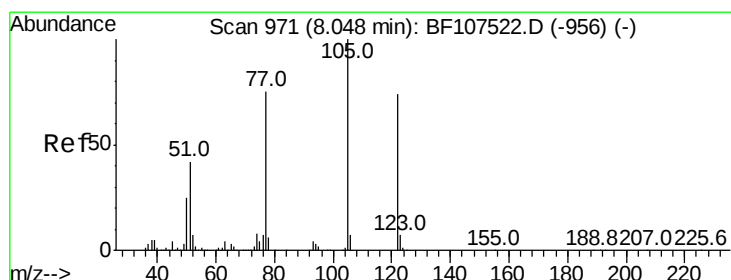
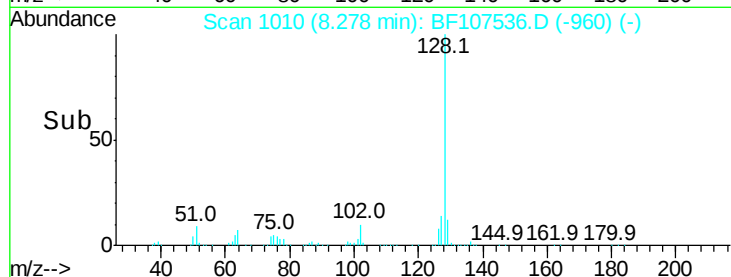
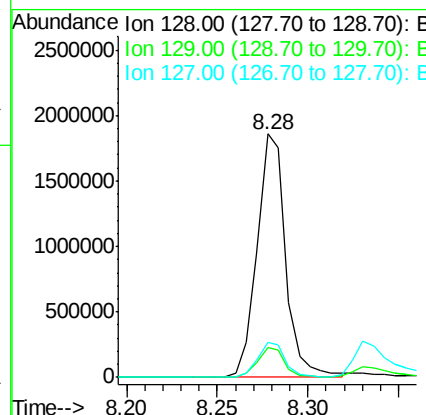
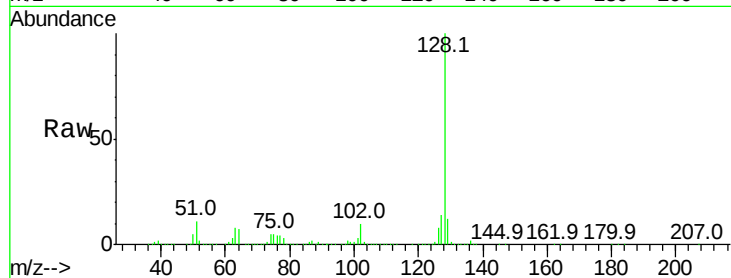
ClientSampleId :

161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.2  | 8.8   | 13.2  |
| 127     | 14.2  | 10.9  | 16.3  |

Manual Integrations  
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#32

Benzoic acid

Concen: 14.735 ng

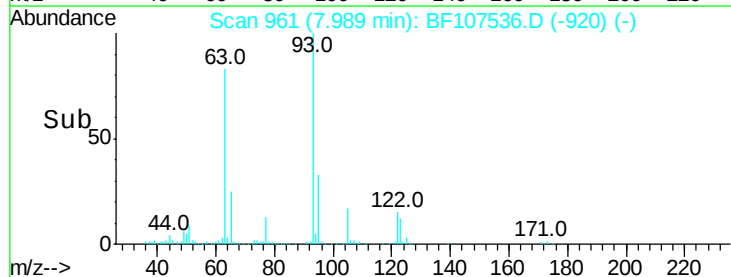
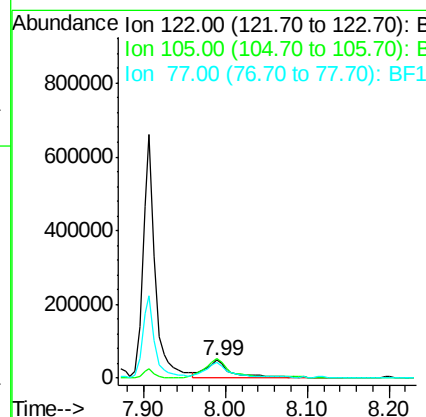
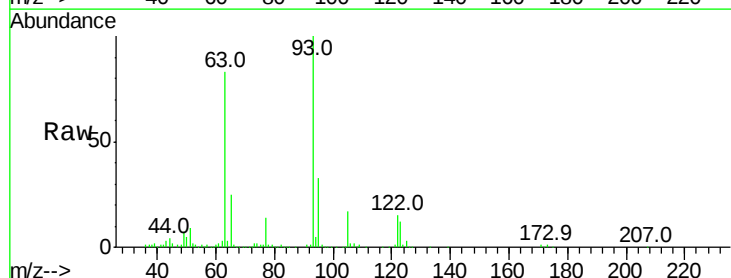
RT: 7.99 min Scan# 961

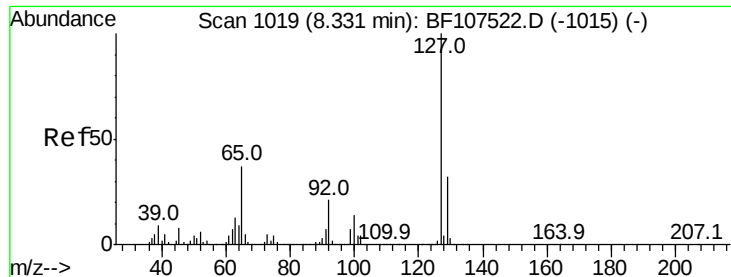
Delta R.T. -0.06 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 114.0 | 101.1 | 141.1 |
| 77      | 89.1  | 70.7  | 110.7 |





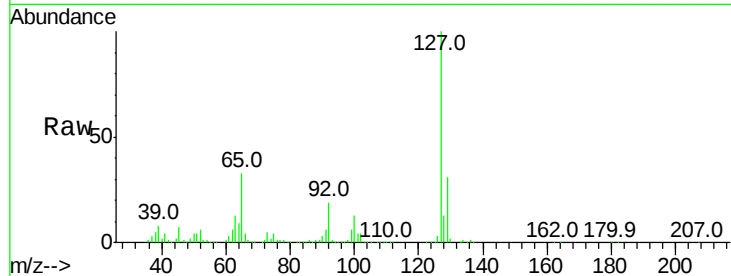
#33  
4-Chloroaniline  
Concen: 17.354 ng  
RT: 8.33 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 31.1  | 25.9 | 38.9  |       |
| 65      | 32.7  | 25.0 | 37.4  |       |
| 92      | 19.1  | 15.2 | 22.8  |       |

Manual Integrations  
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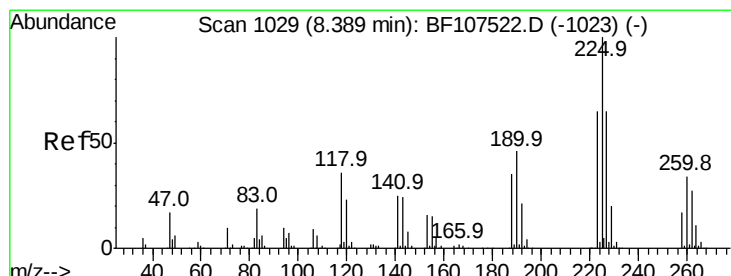
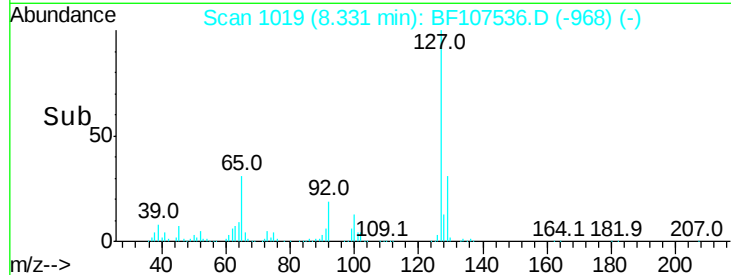
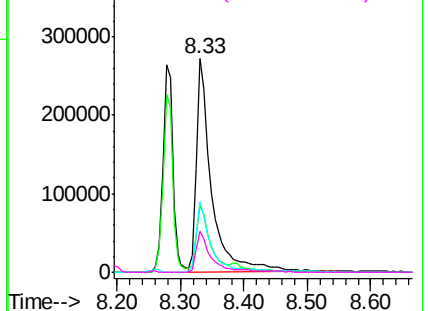
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

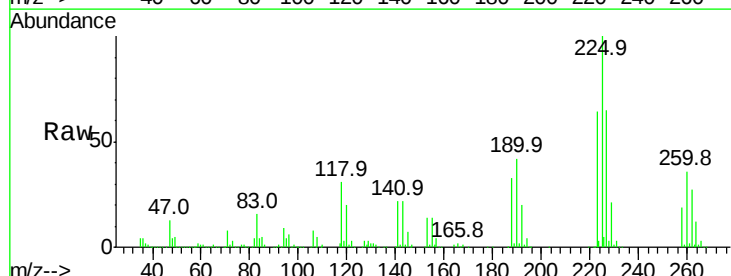
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 31.193 ng  
RT: 8.39 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.7  | 50.6 | 76.0  |       |
| 227     | 64.8  | 51.9 | 77.9  |       |

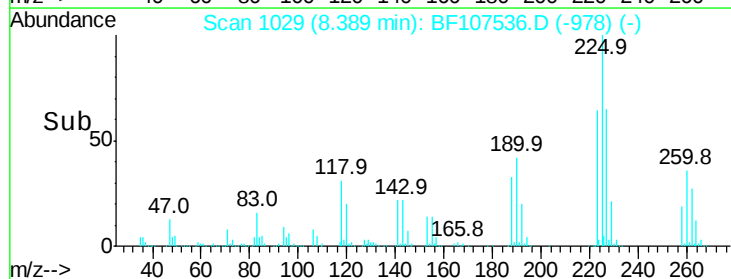
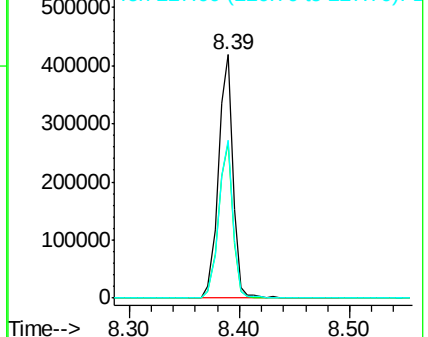


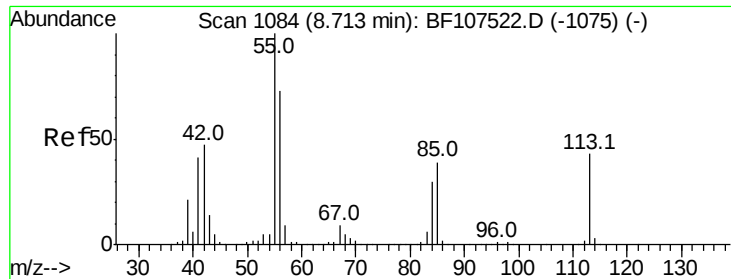
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





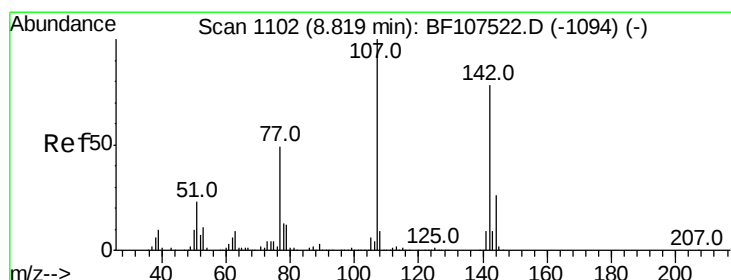
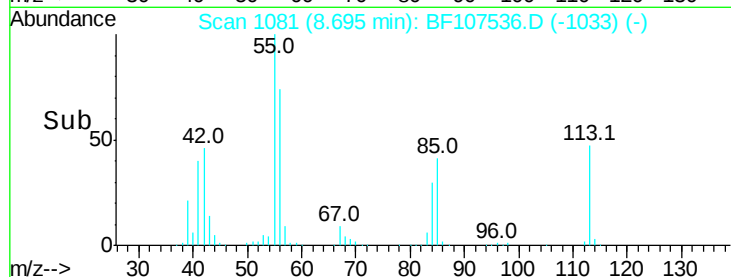
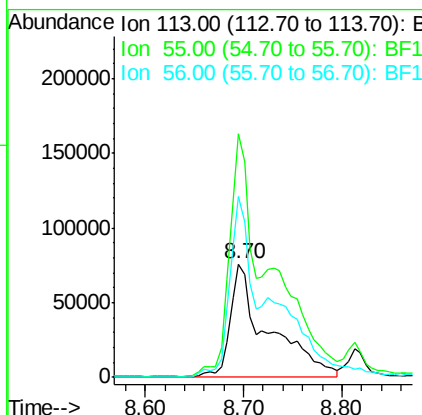
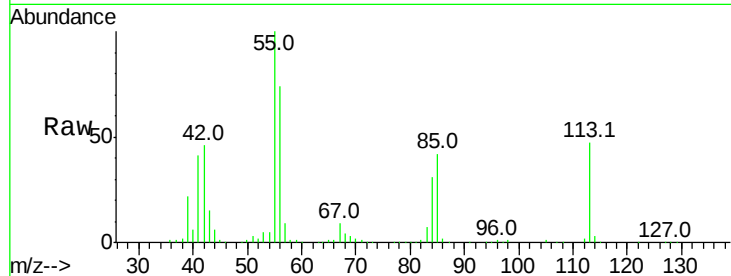
#35  
Caprolactam  
Concen: 33.799 ng/ml  
RT: 8.70 min Scan# 1081  
Delta R.T. -0.02 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampled :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 214.4 | 163.3 | 203.3# |
| 56      | 158.9 | 115.7 | 155.7# |

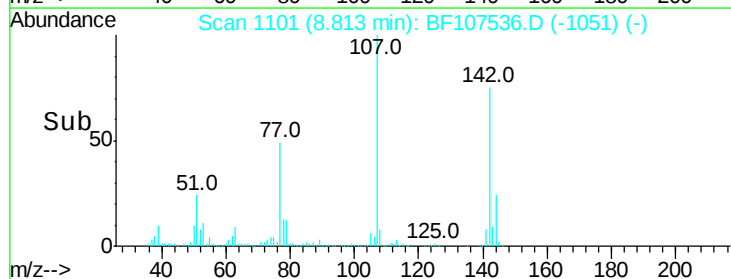
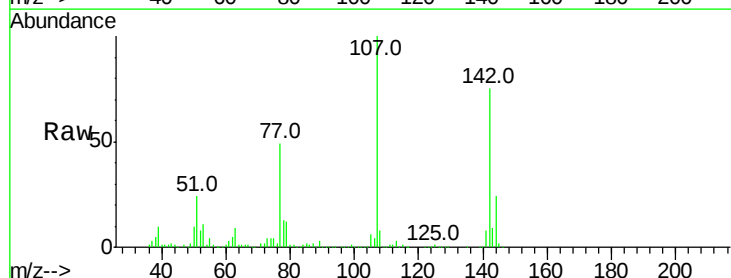
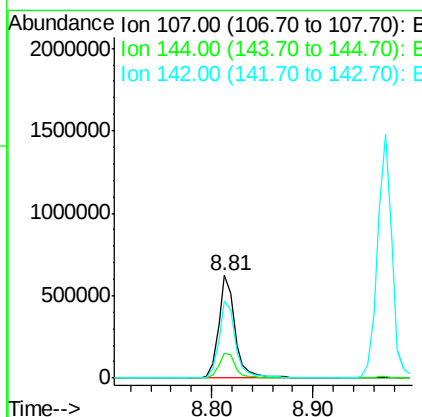
Manual Integrations  
APPROVED

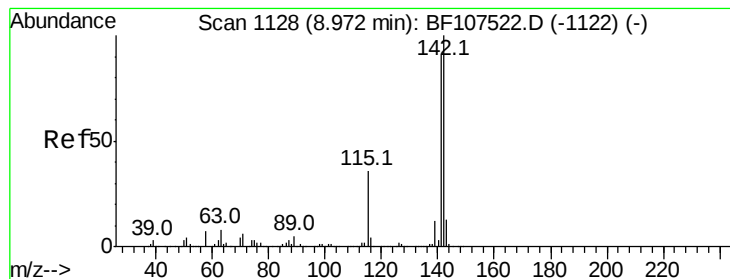
Sohil  
7/23/2018 12:44:39 PM



#36  
4-Chloro-3-methylphenol  
Concen: 34.198 ng/ml  
RT: 8.81 min Scan# 1101  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.4  | 20.5  | 30.7  |
| 142     | 75.3  | 62.0  | 93.0  |





#37

2-Methylnaphthalene

Concen: 35.652 ng

RT: 8.97 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

ClientSampleId :

161-TP-1MS

Tot Ion:142 Resp: 1449848

Ion Ratio Lower Upper

142 100

141 91.0 70.8 106.2

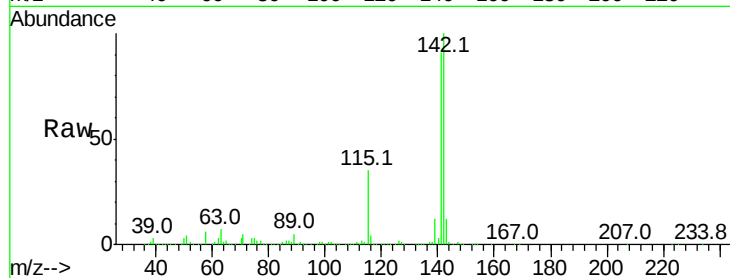
115 35.3 26.1 39.1

Manual Integrations

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Sohil

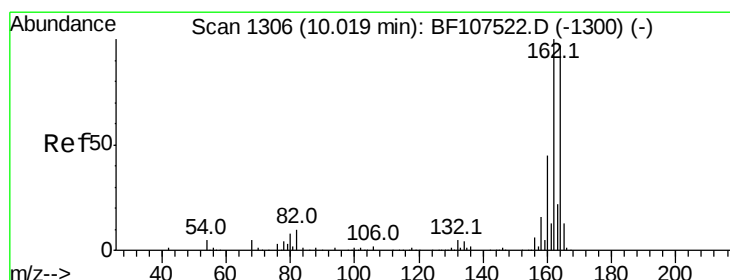
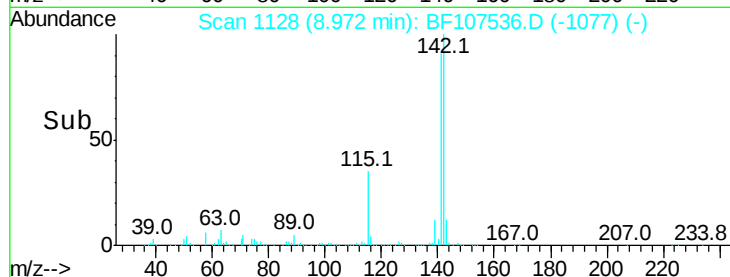
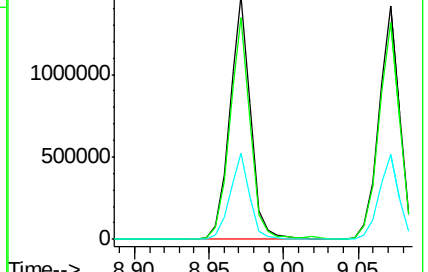
7/23/2018 12:44:39 PM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Tgt Ion:164 Resp: 600700

Ion Ratio Lower Upper

164 100

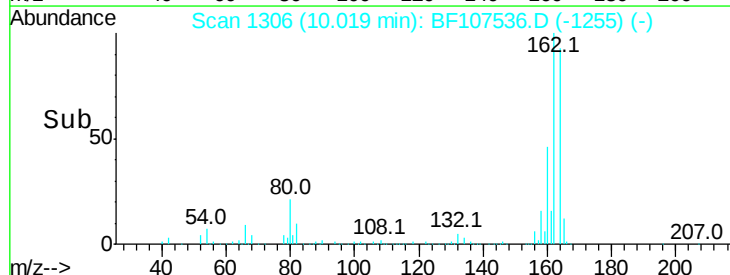
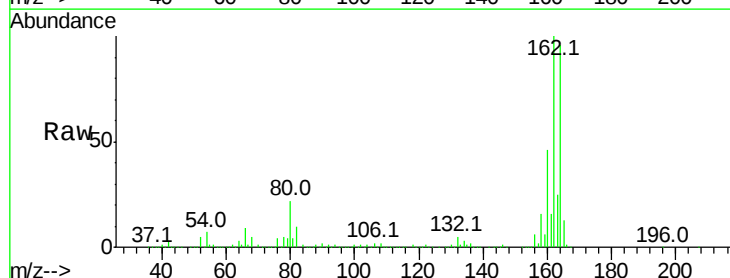
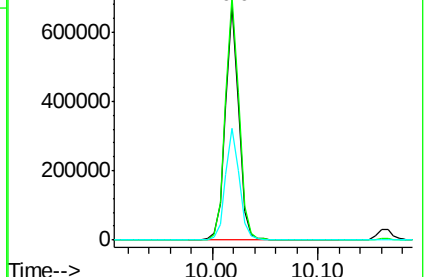
162 103.9 86.1 129.1

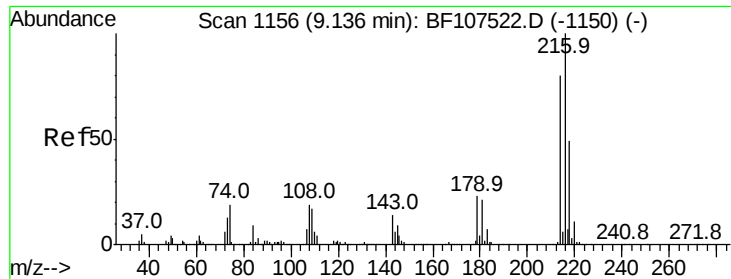
160 48.0 38.3 57.5

Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





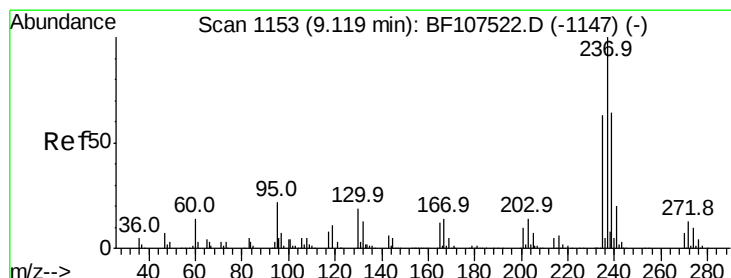
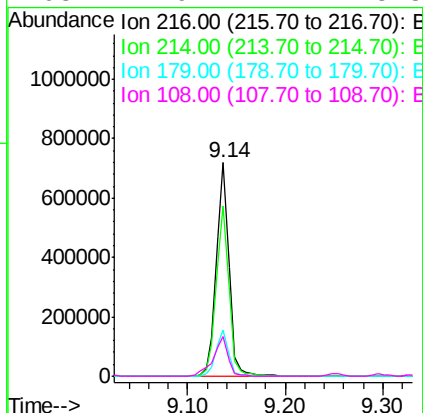
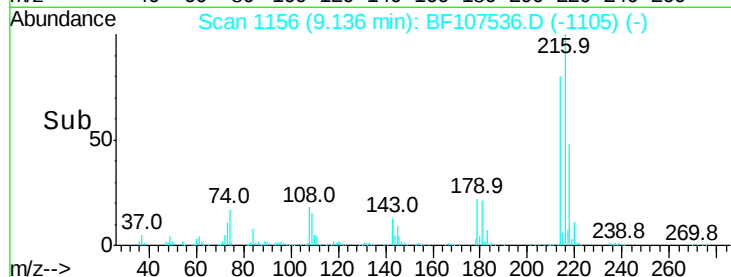
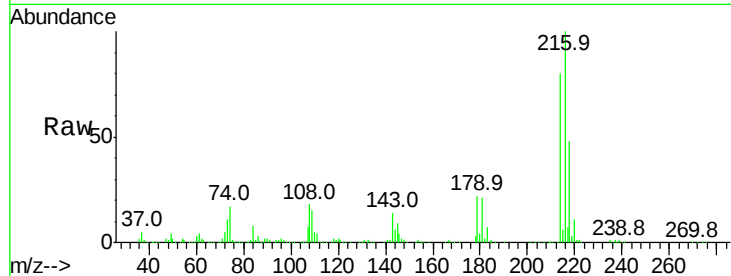
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 32.654 ng  
 RT: 9.14 min Scan# 1156  
 Delta R.T. -0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 654251 |       |       |
| 214     | 80.3  | 63.0   | 94.4  |       |
| 179     | 21.2  | 18.1   | 27.1  |       |
| 108     | 21.9  | 17.2   | 25.8  |       |

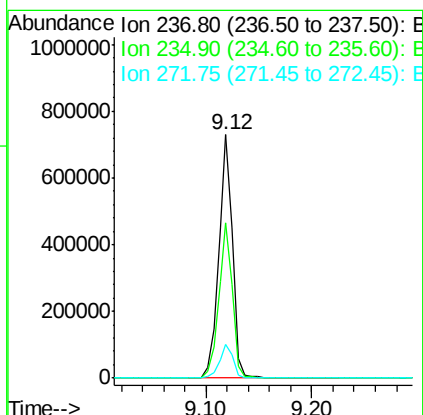
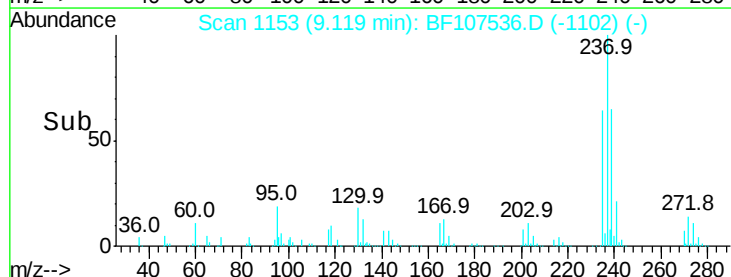
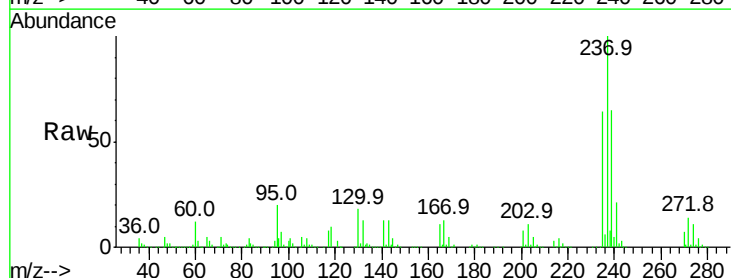
Manual Integrations  
 APPROVED

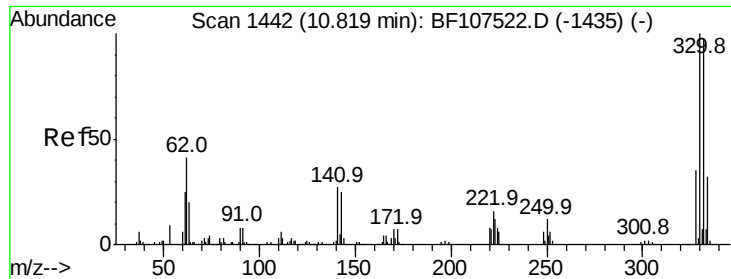
Sohil  
 7/23/2018 12:44:39 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 65.804 ng  
 RT: 9.12 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 670221 |       |       |
| 235     | 64.0  | 44.8   | 84.8  |       |
| 272     | 14.0  | 0.0    | 33.3  |       |





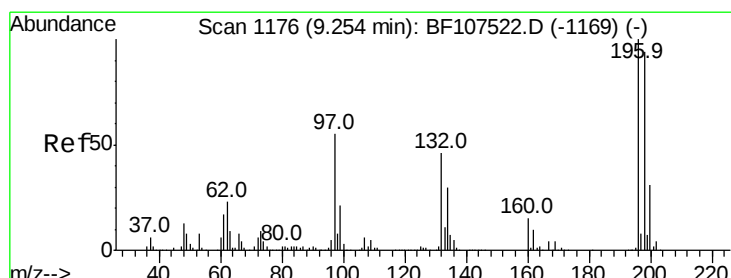
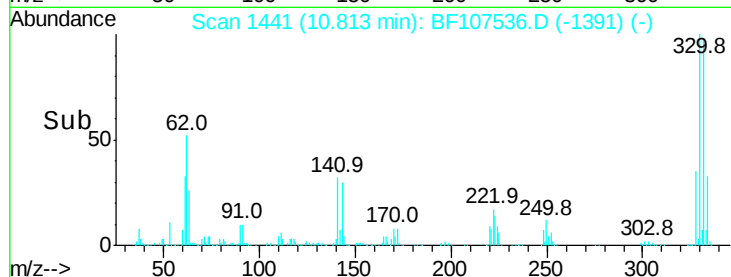
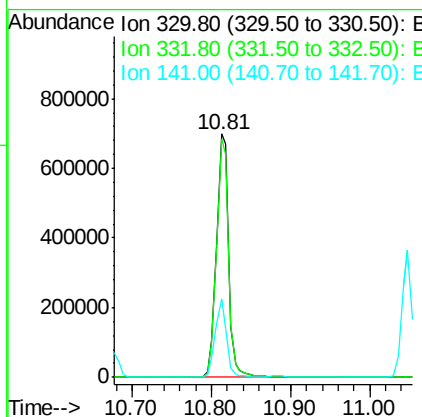
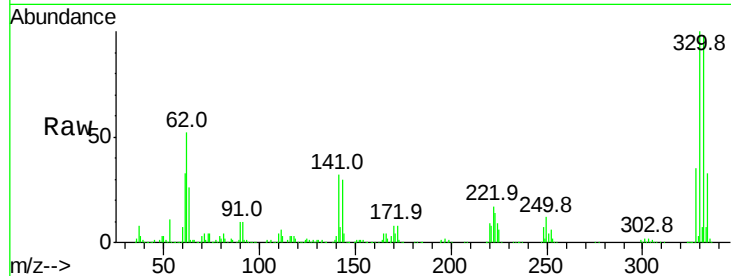
#41  
 2,4,6-Tribromophenol  
 Concen: 109.784 ng  
 RT: 10.81 min Scan# 1441  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 30.2  | 29.9  | 44.9  |

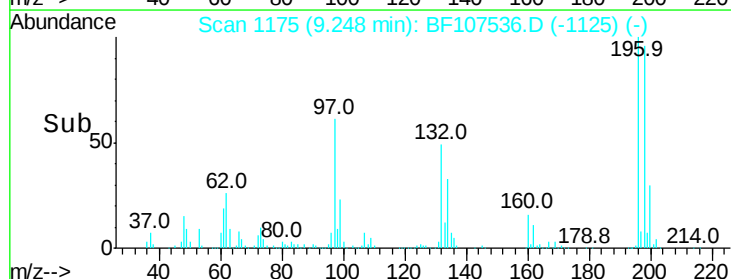
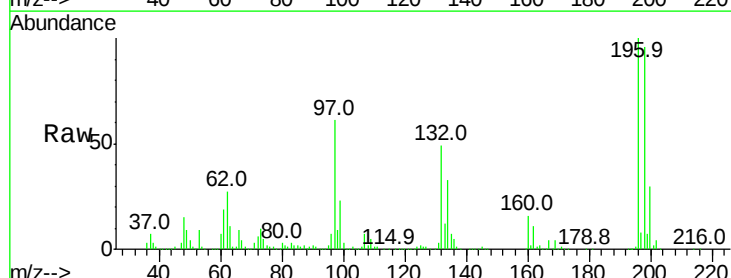
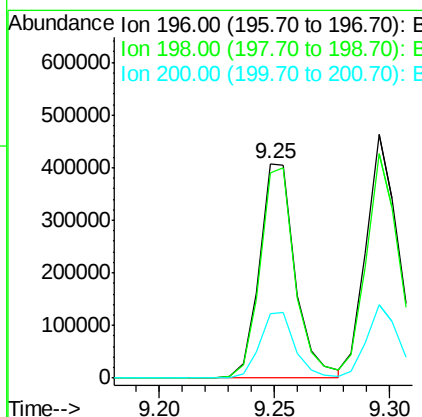
Manual Integrations  
 APPROVED

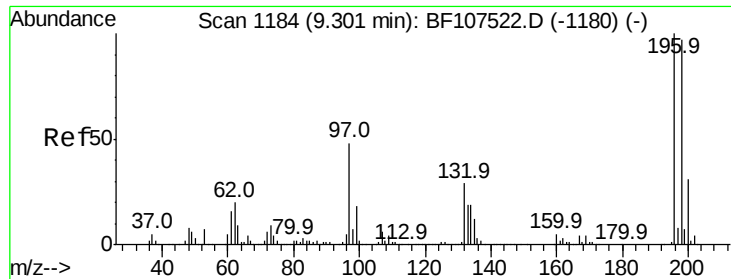
Sohil  
 7/23/2018 12:44:39 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 34.479 ng  
 RT: 9.25 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 75.7  | 113.5 |
| 200     | 30.0  | 24.5  | 36.7  |





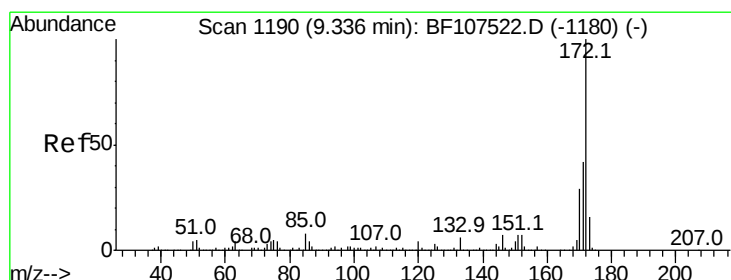
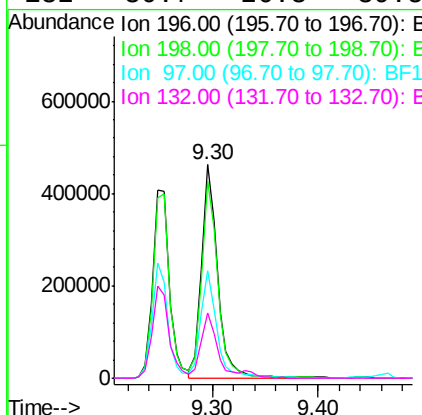
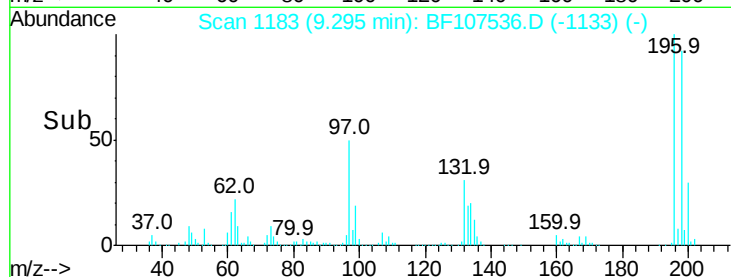
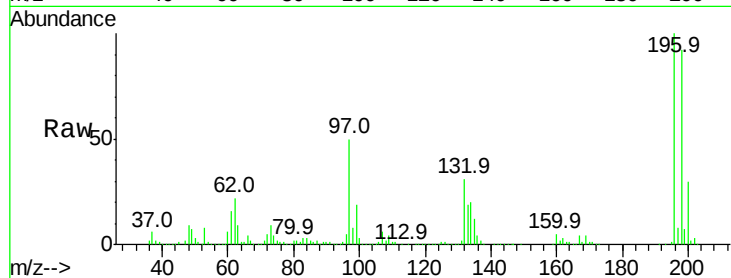
#43  
 2,4,5-Trichlorophenol  
 Concen: 36.345 ng  
 RT: 9.30 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 487157 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 92.3  | 74.6  | 112.0  |
| 97        | 50.4  | 42.9  | 64.3   |
| 132       | 30.7  | 26.3  | 39.5   |

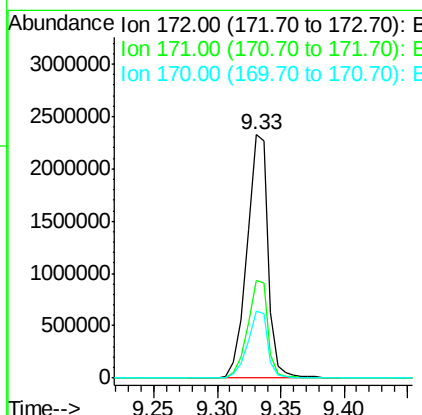
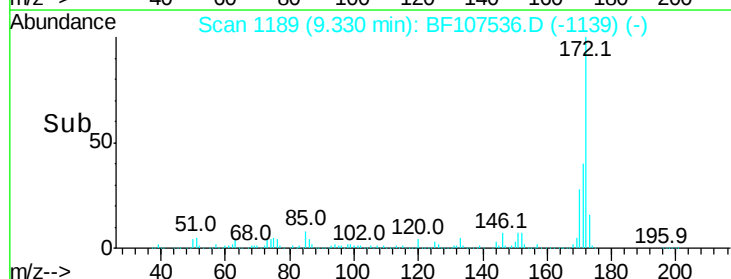
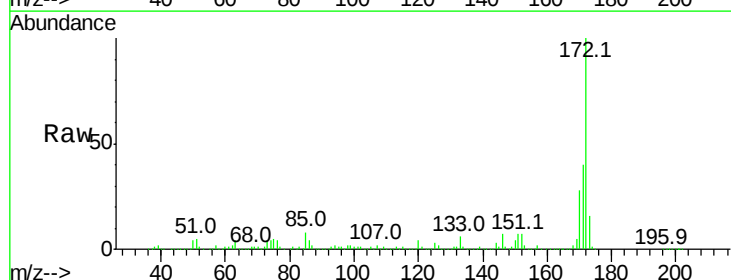
Manual Integrations  
 APPROVED

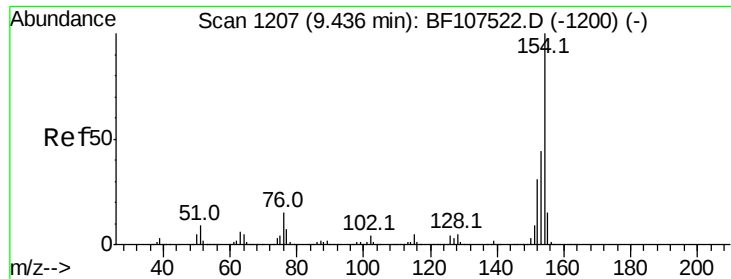
Sohil  
 7/23/2018 12:44:39 PM



#44  
 2-Fluorobiphenyl  
 Concen: 74.325 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 2699367 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 39.9  | 29.7  | 44.5    |
| 170       | 27.8  | 19.6  | 29.4    |





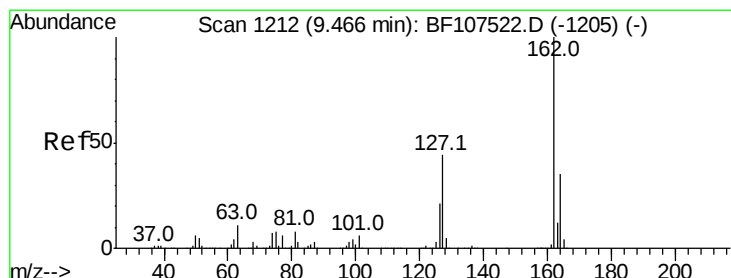
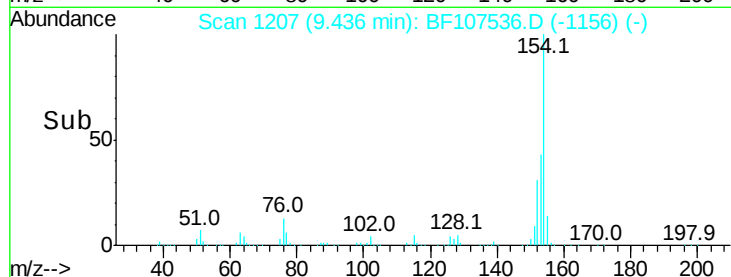
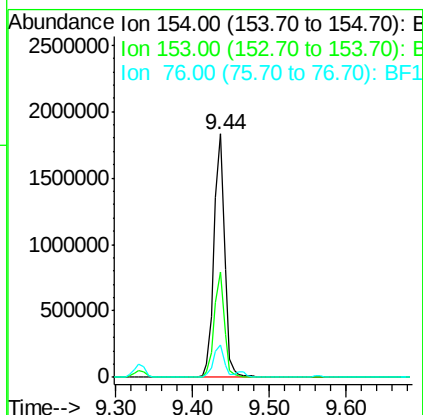
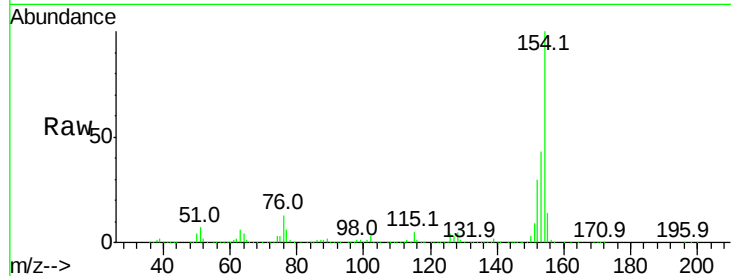
#45  
 1,1'-Biphenyl  
 Concen: 32.696 ng  
 RT: 9.44 min Scan# 1207  
 Delta R.T. -0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampled :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.0  | 21.3  | 61.3  |
| 76      | 13.4  | 0.0   | 34.0  |

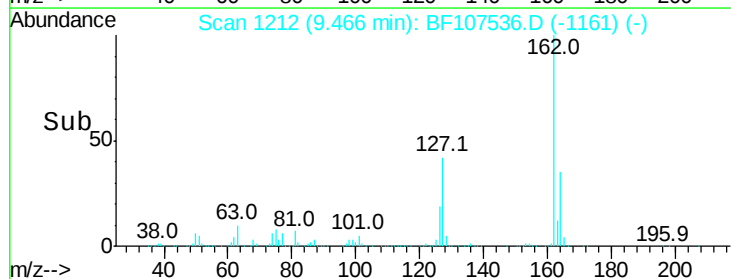
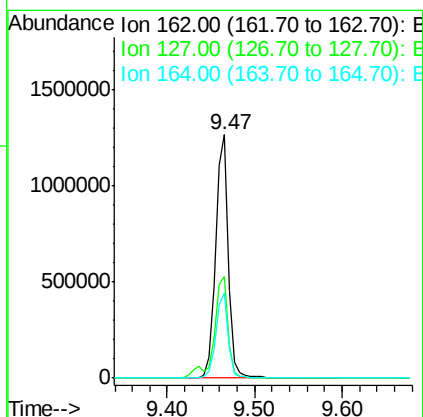
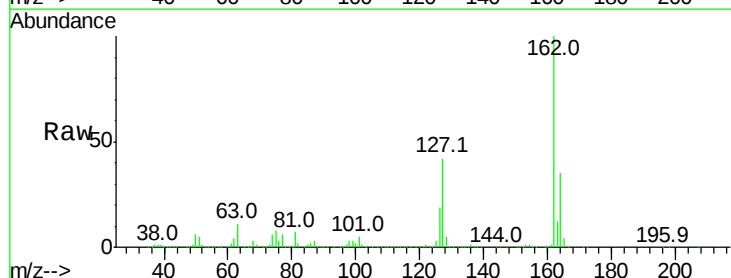
Manual Integrations  
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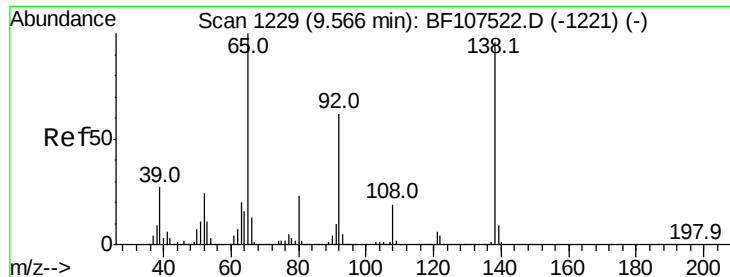
Sohil  
 7/23/2018 12:44:39 PM



#46  
 2-Chloronaphthalene  
 Concen: 31.826 ng  
 RT: 9.47 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.8  | 33.9  | 50.9  |
| 164     | 35.1  | 26.5  | 39.7  |





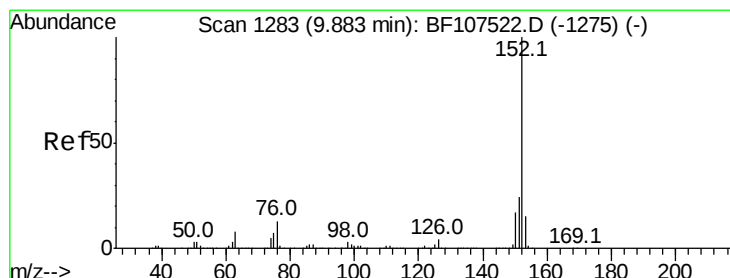
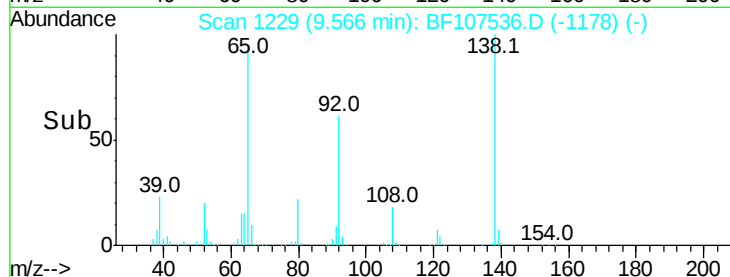
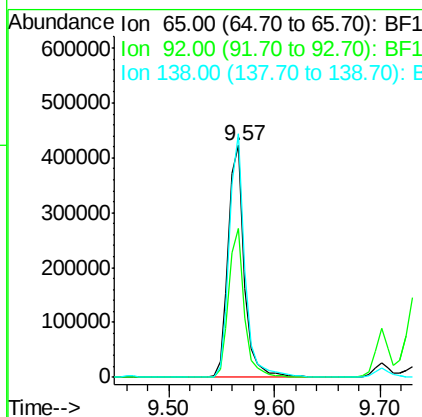
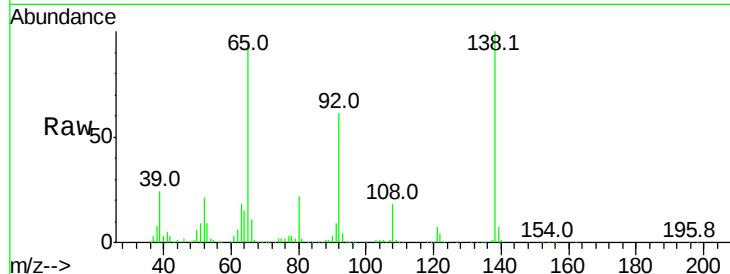
#47  
2-Nitroaniline  
Concen: 38.245 ng  
RT: 9.57 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.2  | 55.8  | 83.6  |
| 138     | 105.1 | 91.2  | 136.8 |

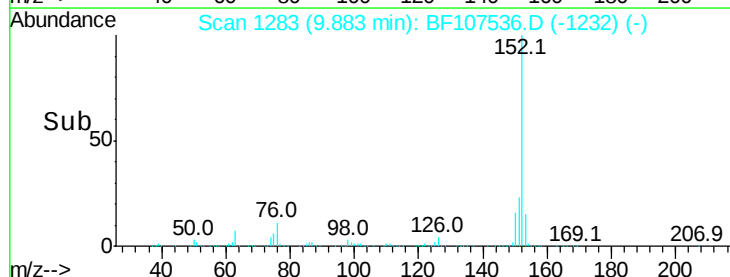
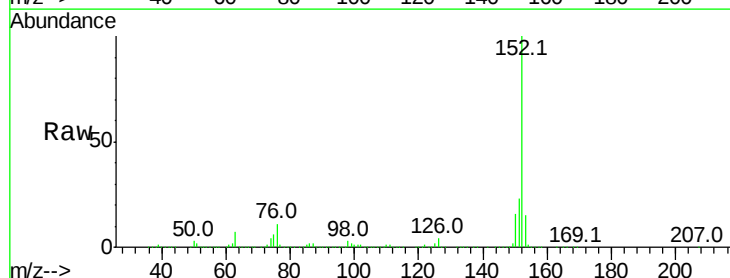
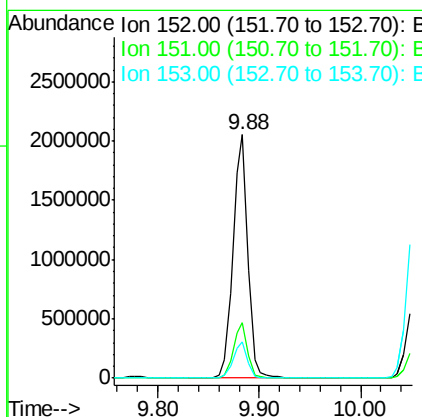
Manual Integrations  
APPROVED

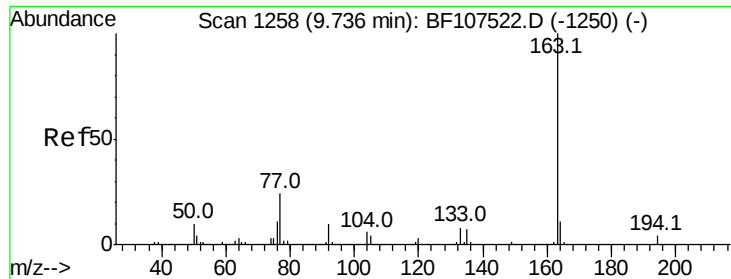
Sohil  
7/23/2018 12:44:39 PM



#48  
Acenaphthylene  
Concen: 34.610 ng  
RT: 9.88 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.6  | 16.3  | 24.5  |
| 153     | 14.8  | 10.7  | 16.1  |





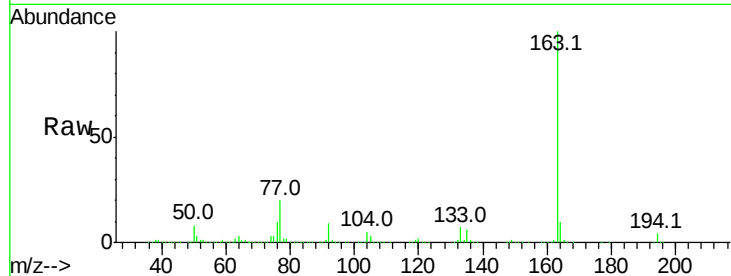
#49  
Dimethylphthalate  
Concen: 38.469 ng  
RT: 9.74 min Scan# 1258  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

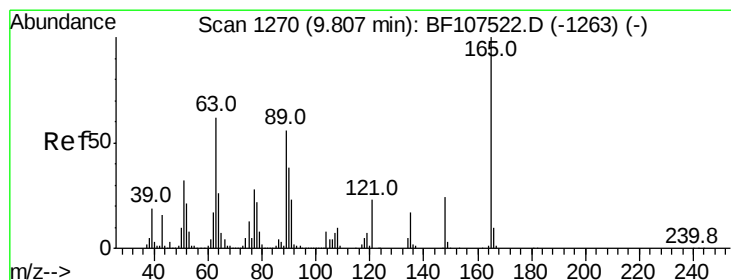
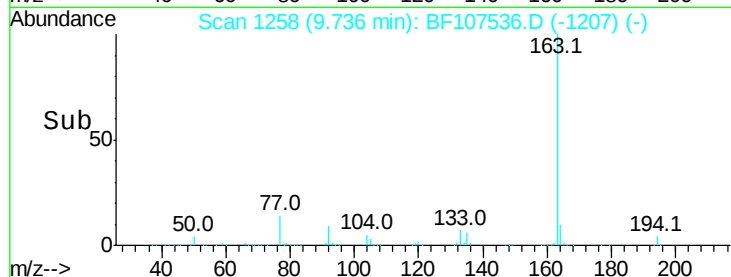
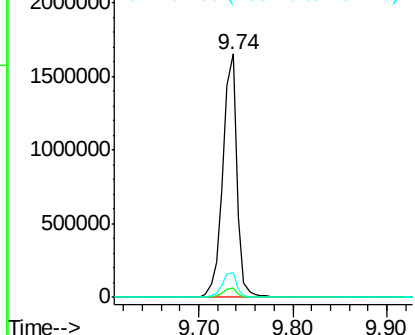
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 2.7   | 4.1#  |
| 164     | 10.4  | 8.2   | 12.2  |

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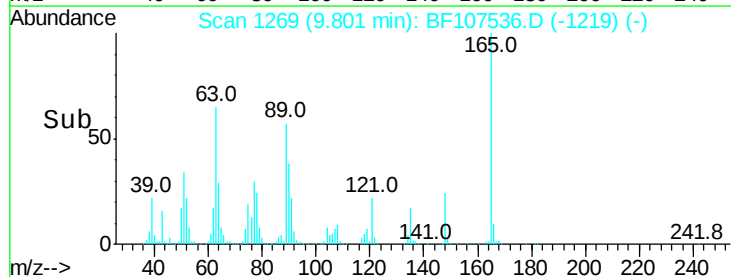
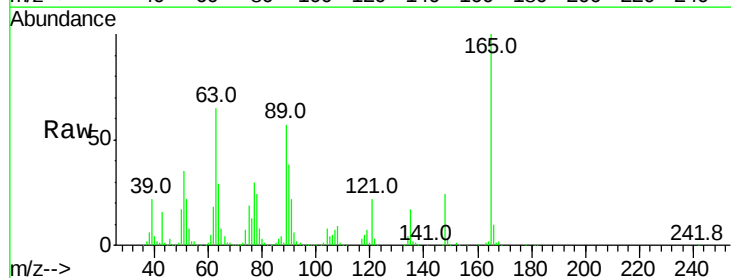
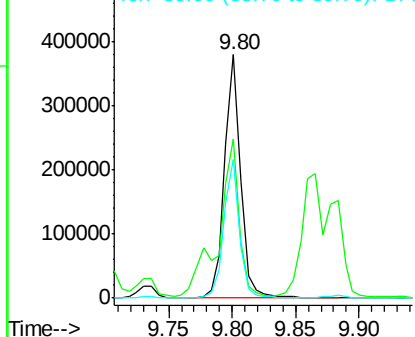
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

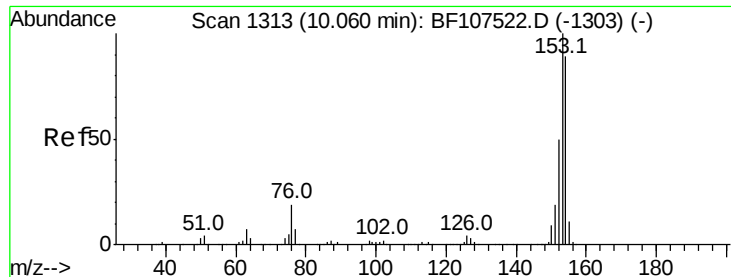


#50  
2,6-Dinitrotoluene  
Concen: 37.218 ng  
RT: 9.80 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 65.2  | 44.7  | 67.1  |
| 89      | 56.8  | 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: 31.919 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

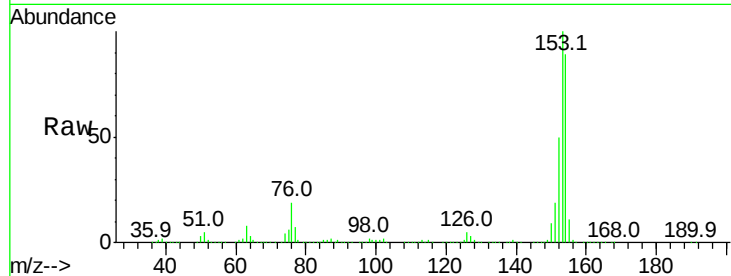
ClientSampleId :

161-TP-1MS

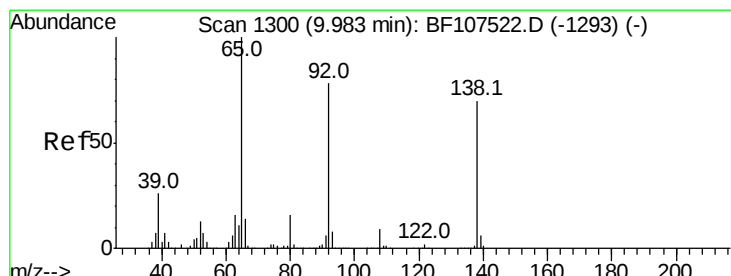
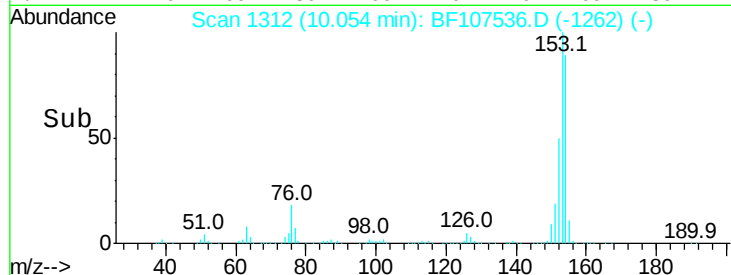
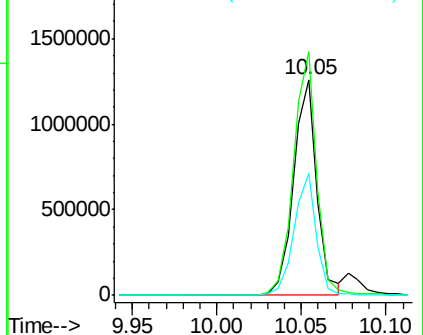
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 154   | Resp: | 1201642 |
| Ion      | Ratio | Lower | Upper   |
| 154      | 100   |       |         |
| 153      | 112.9 | 91.2  | 136.8   |
| 152      | 56.5  | 43.8  | 65.8    |

Manual Integrations  
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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: 24.535 ng

RT: 9.98 min Scan# 1299

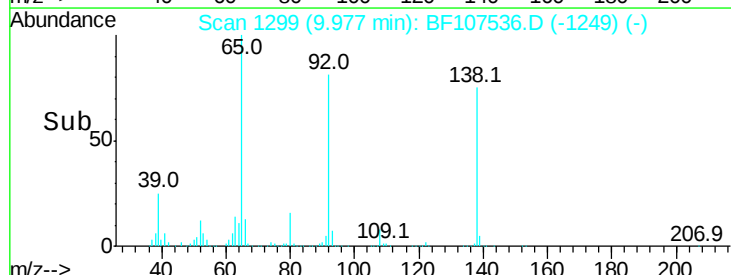
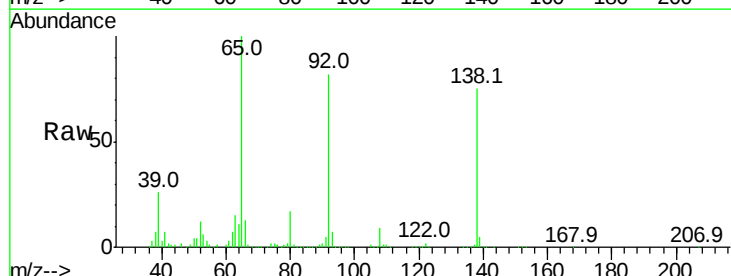
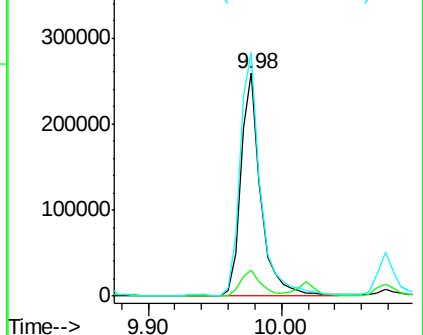
Delta R.T. -0.01 min

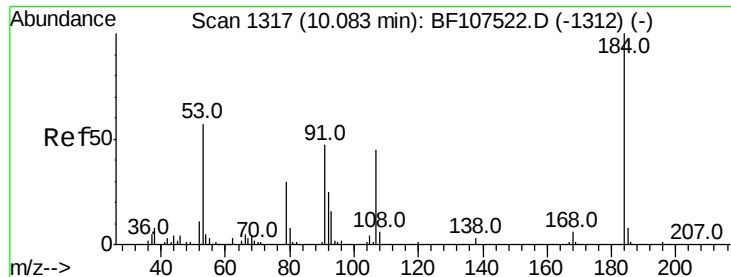
Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 268290 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 108      | 11.6  | 9.4   | 14.0   |
| 92       | 109.1 | 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





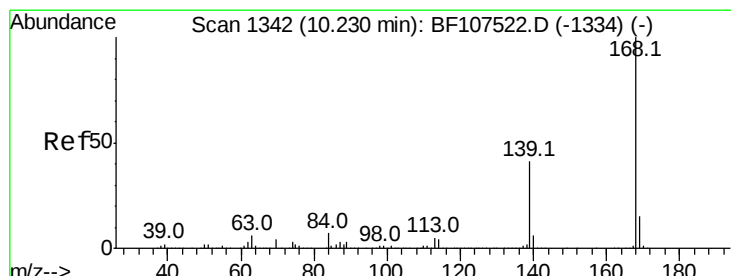
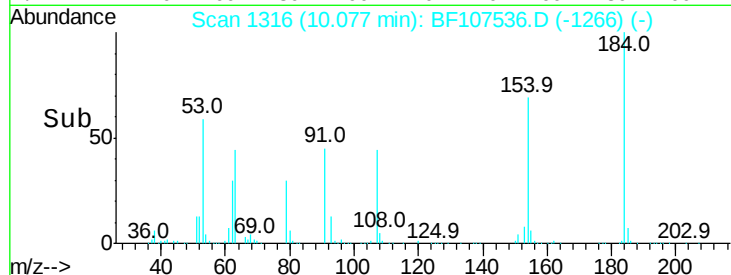
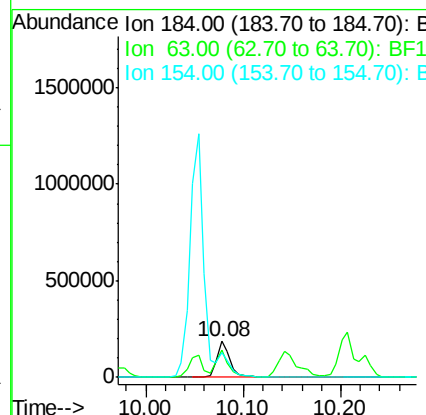
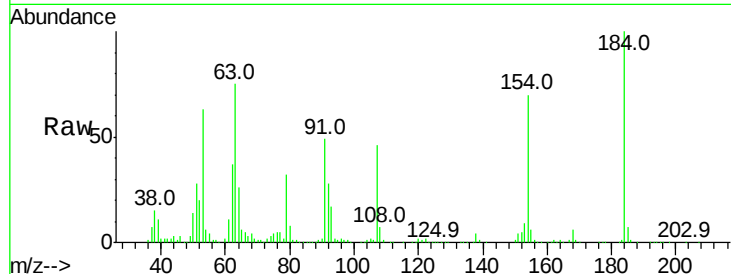
#53  
2,4-Dinitrophenol  
Concen: 52.784 ng  
RT: 10.08 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 75.4  | 54.2  | 81.2   |
| 154     | 69.6  | 184.0 | 276.0# |

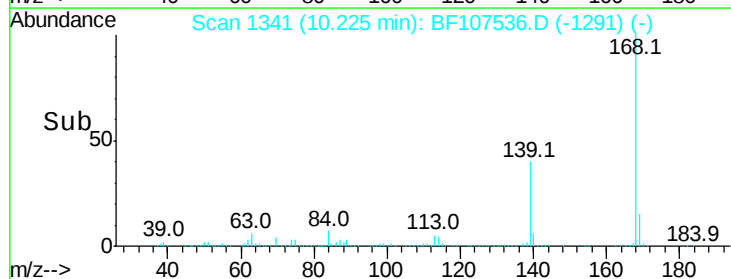
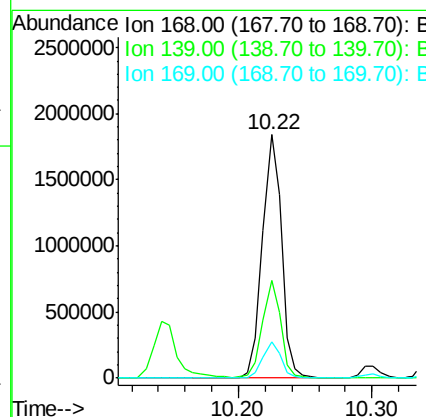
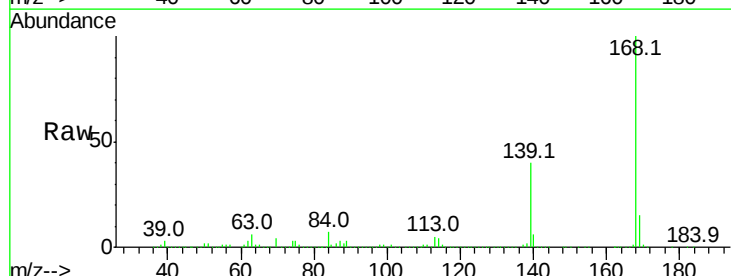
Manual Integrations  
APPROVED

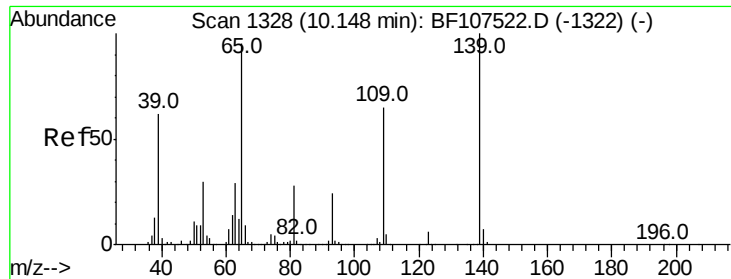
Sohil  
7/23/2018 12:44:39 PM



#54  
Dibenzofuran  
Concen: 32.641 ng  
RT: 10.22 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.1  | 30.1  | 45.1  |
| 169     | 14.9  | 10.9  | 16.3  |





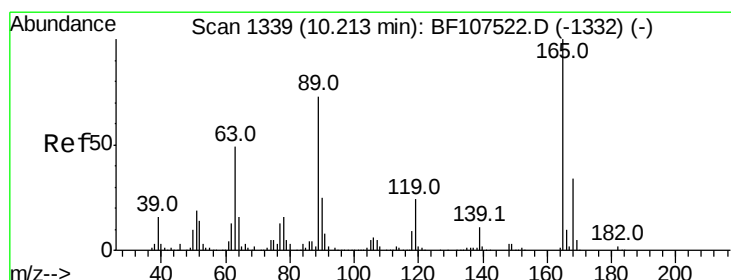
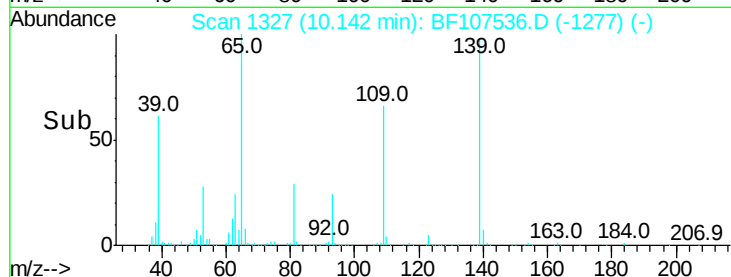
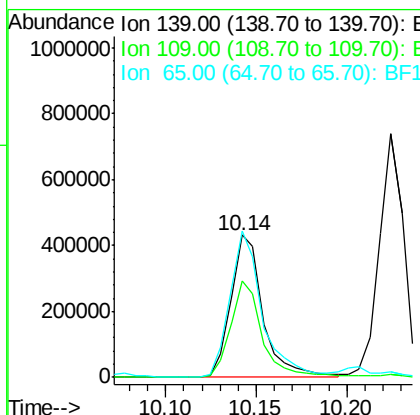
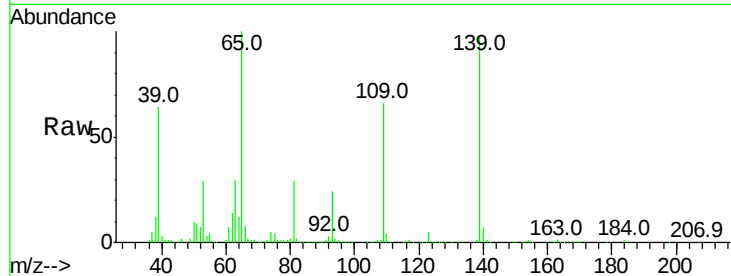
#55  
4-Nitrophenol  
Concen: 65.240 ng  
RT: 10.14 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 534123 |       |       |
| 109     | 68.1  | 48.4   | 88.4  |       |
| 65      | 102.8 | 72.6   | 112.6 |       |

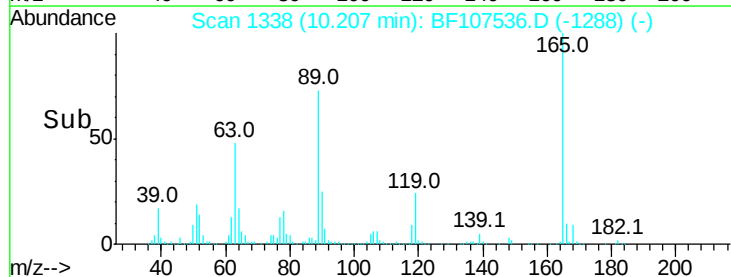
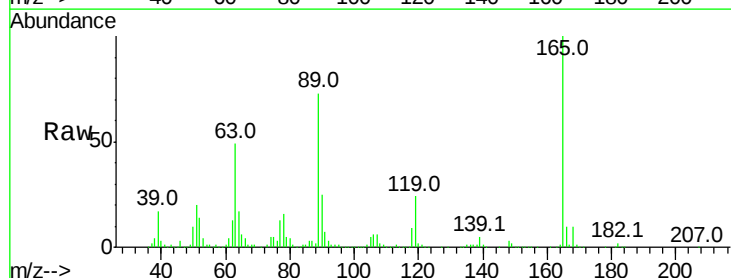
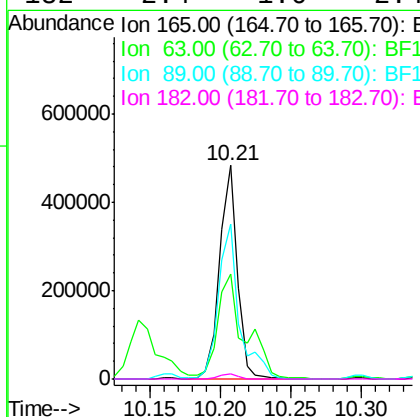
Manual Integrations  
APPROVED

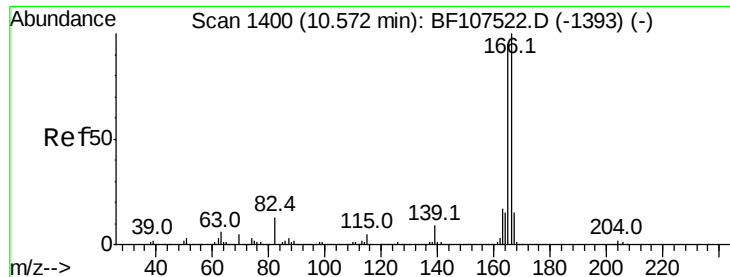
Sohil  
7/23/2018 12:44:39 PM



#56  
2,4-Dinitrotoluene  
Concen: 38.905 ng  
RT: 10.21 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 422112 |       |       |
| 63      | 49.0  | 36.4   | 54.6  |       |
| 89      | 72.7  | 57.8   | 86.6  |       |
| 182     | 2.4   | 1.6    | 2.4#  |       |





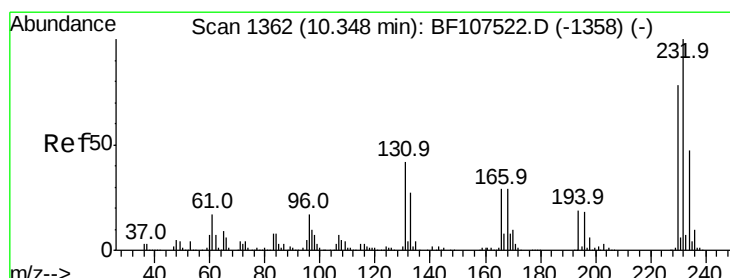
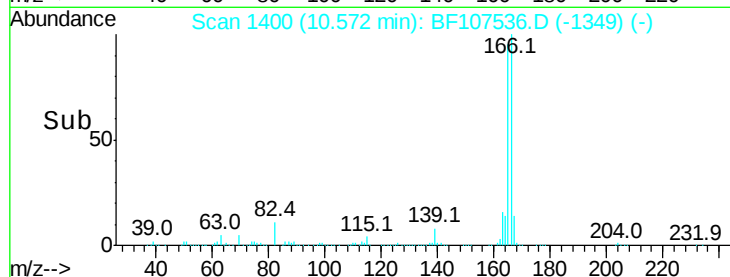
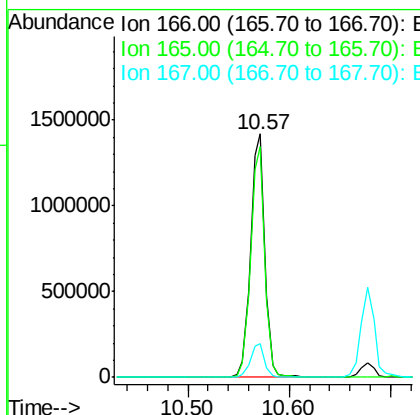
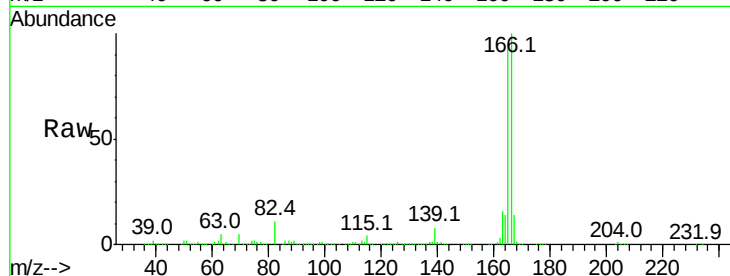
#57  
 Fluorene  
 Concen: 35.088 ng  
 RT: 10.57 min Scan# 1400  
 Delta R.T. 0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 94.9  | 79.8  | 119.8 |
| 167     | 14.0  | 10.6  | 16.0  |

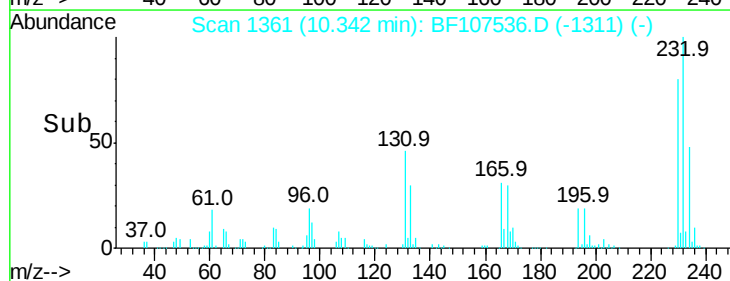
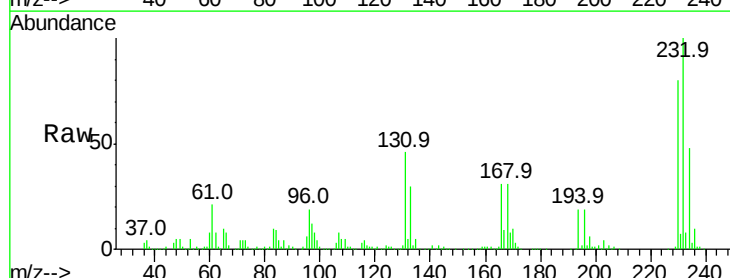
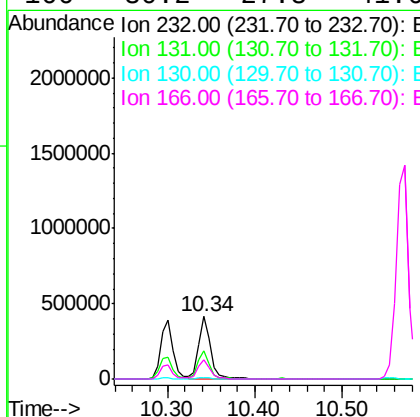
Manual Integrations  
 APPROVED

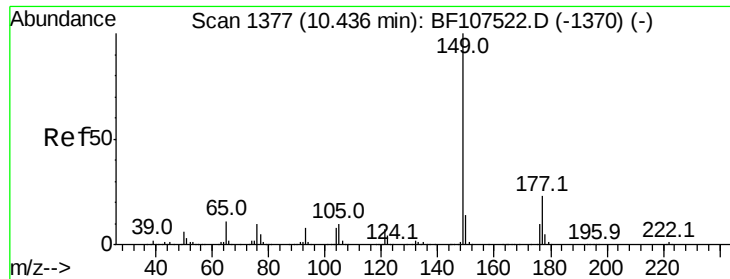
Sohil  
 7/23/2018 12:44:39 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 35.613 ng  
 RT: 10.34 min Scan# 1361  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.7  | 43.8  | 65.8  |
| 130     | 2.3   | 2.1   | 3.1   |
| 166     | 30.2  | 27.8  | 41.6  |





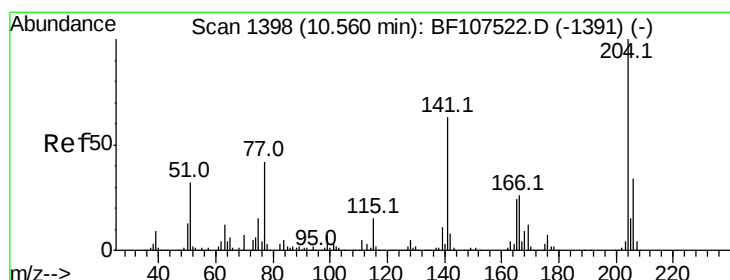
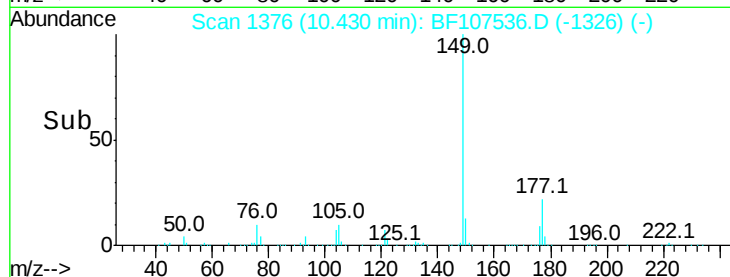
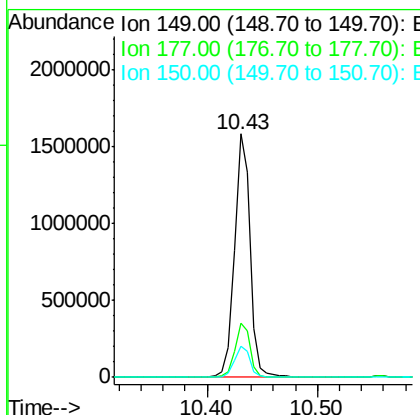
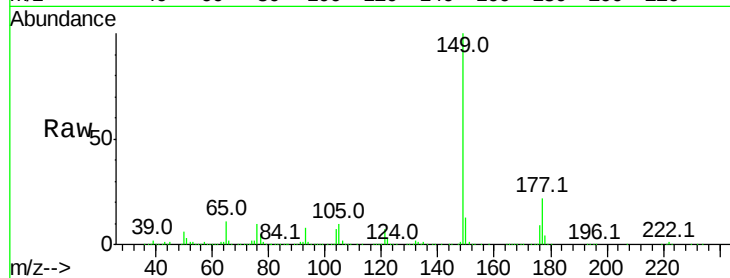
#59  
Diethylphthalate  
Concen: 33.243 ng  
RT: 10.43 min Scan# 1376  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.5  | 16.1  | 24.1  |
| 150     | 12.9  | 10.1  | 15.1  |

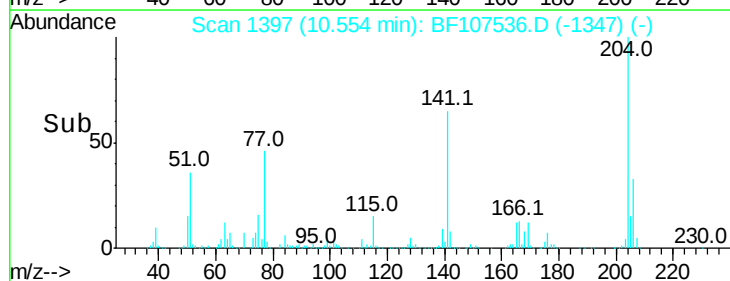
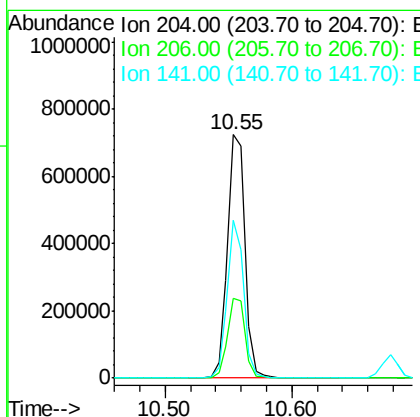
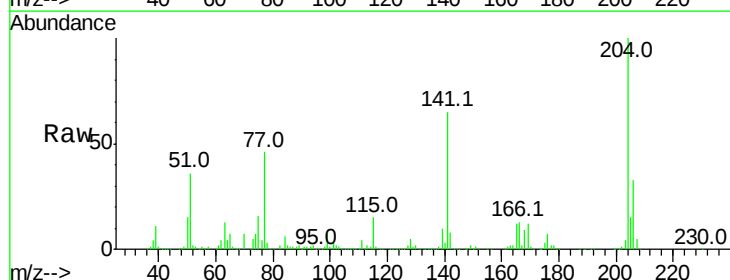
Manual Integrations  
APPROVED

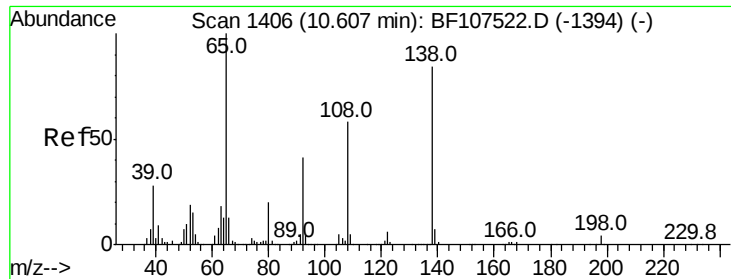
Sohil  
7/23/2018 12:44:39 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 30.849 ng  
RT: 10.55 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 26.5  | 39.7  |
| 141     | 64.8  | 54.6  | 81.8  |





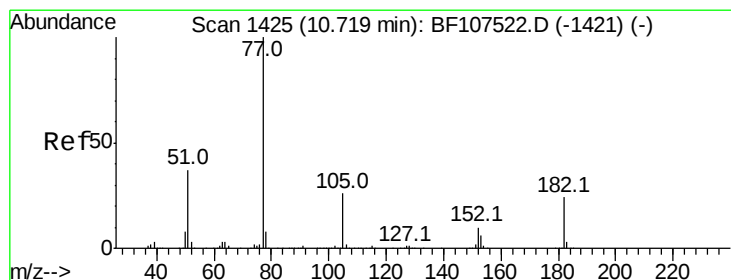
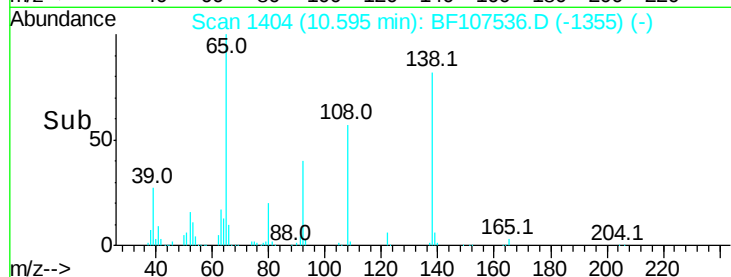
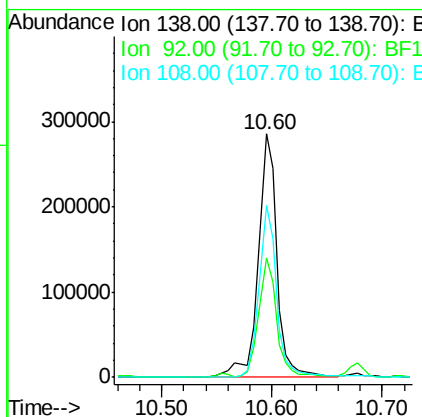
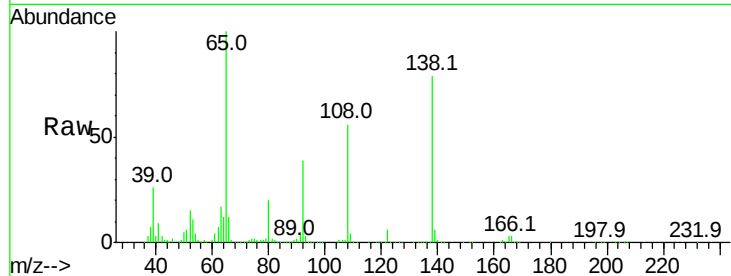
#61  
4-Nitroaniline  
Concen: 37.517 ng  
RT: 10.60 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.1  | 30.2  | 70.2  |
| 108     | 70.6  | 52.5  | 92.5  |

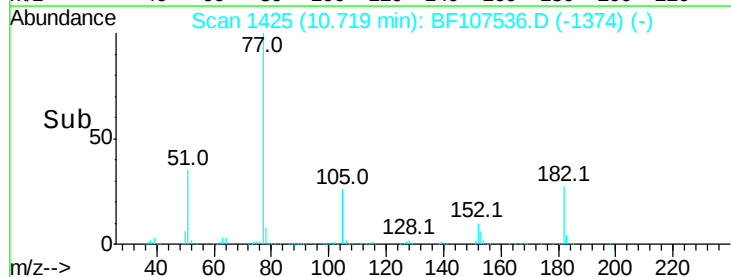
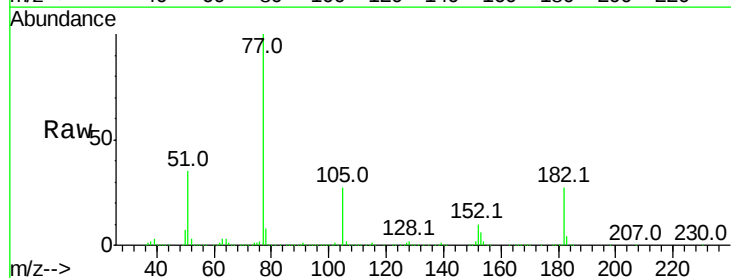
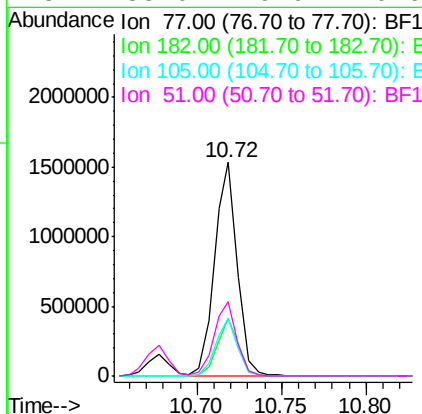
Manual Integrations  
APPROVED

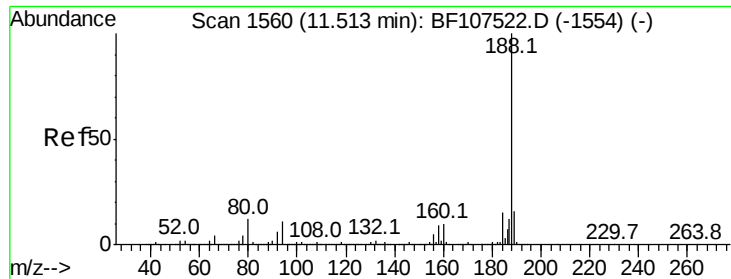
Sohil  
7/23/2018 12:44:39 PM



#62  
Azobenzene  
Concen: 32.297 ng  
RT: 10.72 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.9  | 1.7   | 41.7  |
| 105     | 26.7  | 3.0   | 43.0  |
| 51      | 35.0  | 9.9   | 49.9  |





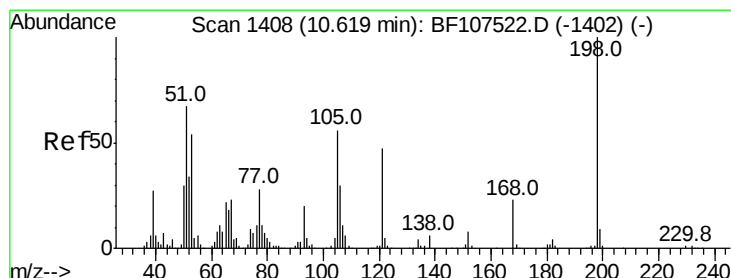
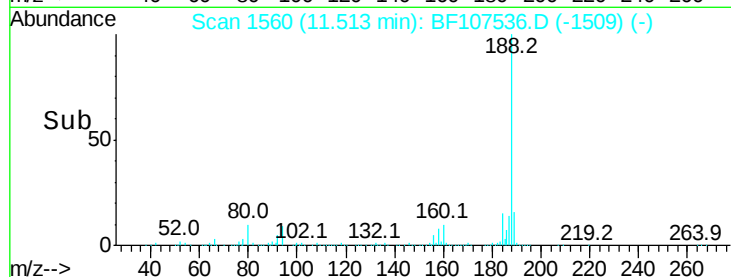
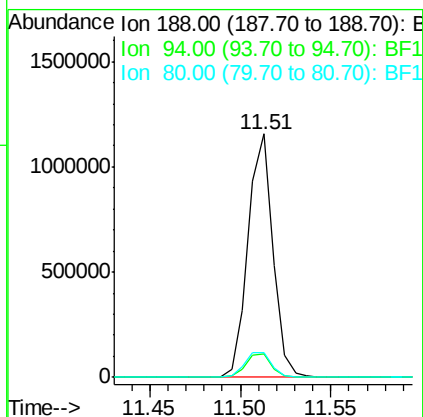
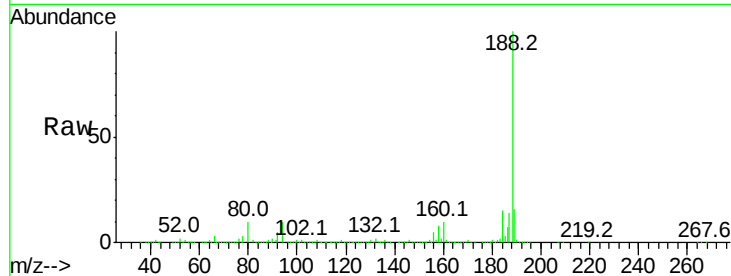
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1560  
Delta R.T. -0.00 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 188     | 100   | 1100815 |       |       |
| 94      | 9.7   |         | 8.5   | 12.7  |
| 80      | 10.2  |         | 9.2   | 13.8  |

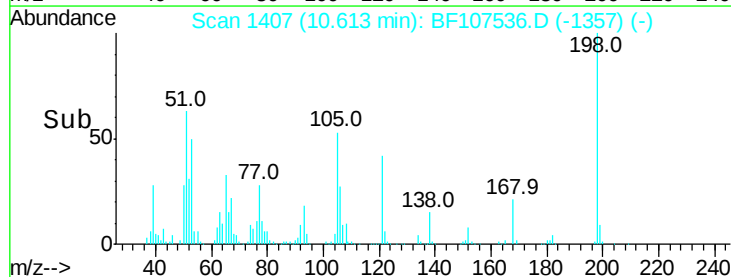
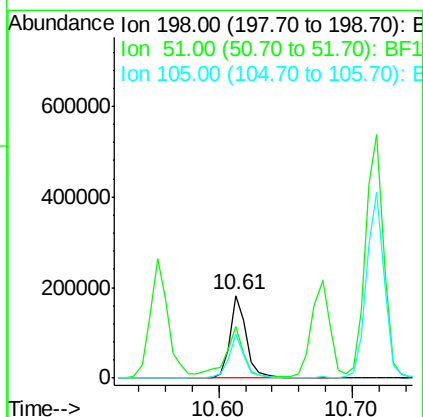
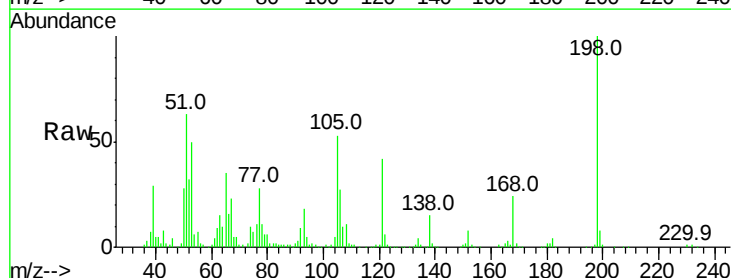
Manual Integrations  
APPROVED

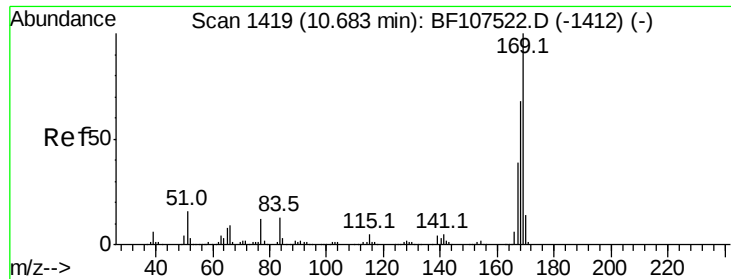
Sohil  
7/23/2018 12:44:39 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 33.038 ng  
RT: 10.61 min Scan# 1407  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 158019 |       |       |
| 51      | 62.6  |        | 37.7  | 77.7  |
| 105     | 52.9  |        | 36.3  | 76.3  |





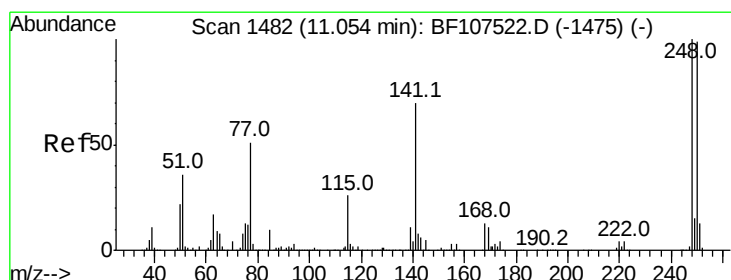
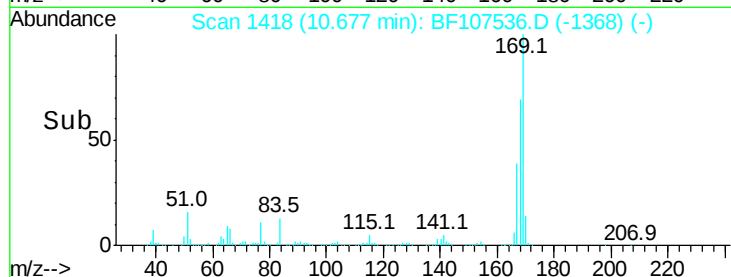
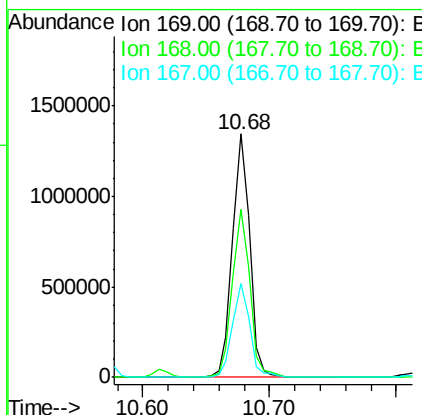
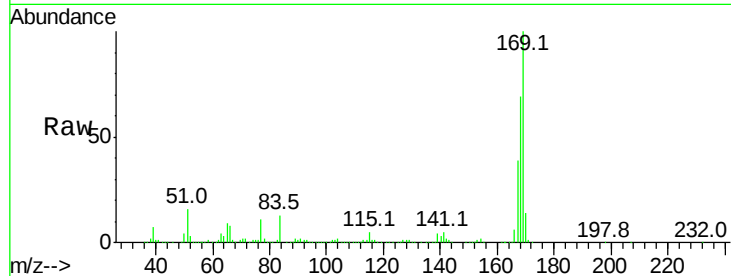
#65  
n-Nitrosodiphenylamine  
Concen: 33.654 ng  
RT: 10.68 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

Tot Ion:169 Resp: 1258216  
Ion Ratio Lower Upper  
169 100  
168 69.0 54.4 81.6  
167 38.8 29.8 44.6

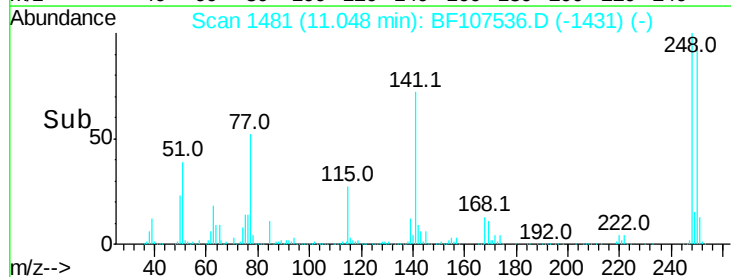
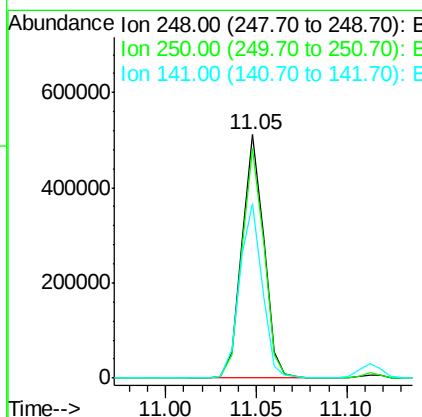
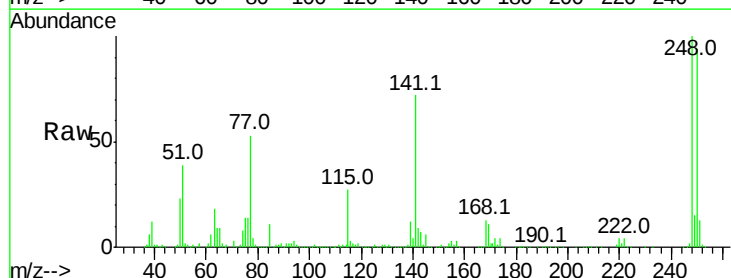
Manual Integrations  
APPROVED

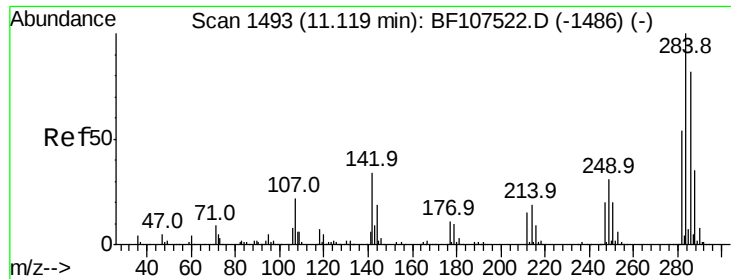
Sohil  
7/23/2018 12:44:39 PM



#66  
4-Bromophenyl-phenylether  
Concen: 33.322 ng  
RT: 11.05 min Scan# 1481  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Tgt Ion:248 Resp: 431796  
Ion Ratio Lower Upper  
248 100  
250 94.3 76.9 115.3  
141 71.5 74.4 111.6#





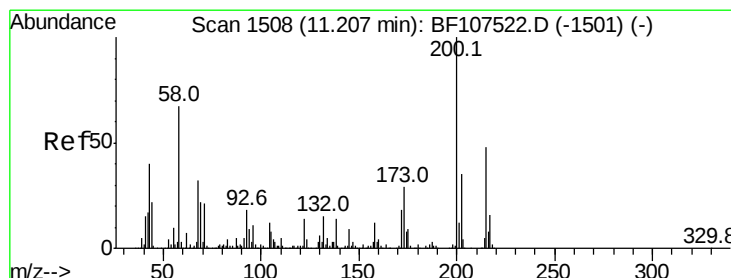
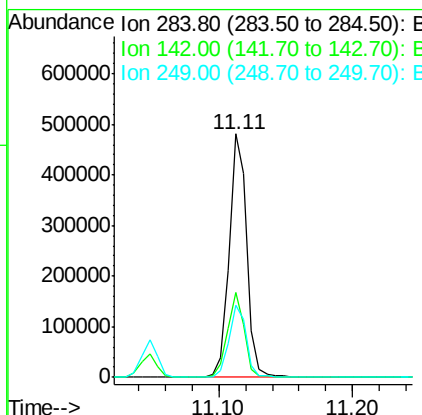
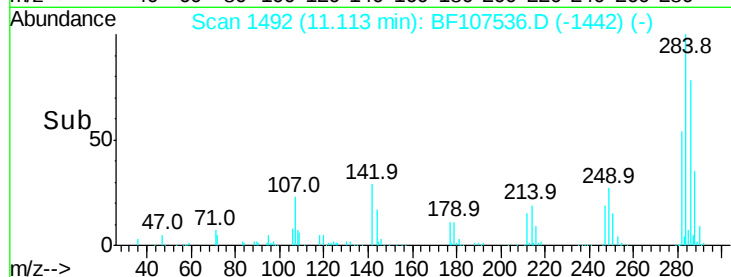
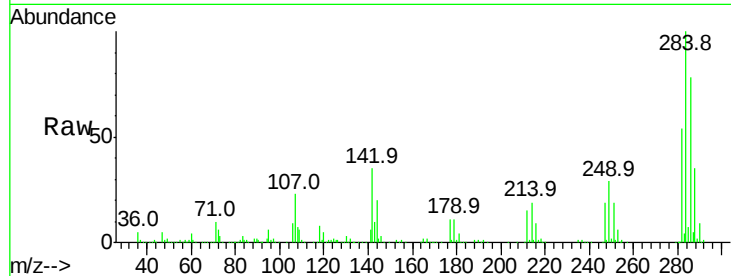
#67  
Hexachlorobenzene  
Concen: 31.367 ng  
RT: 11.11 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 447243 |       |       |
| 142     | 34.8  | 34.6   | 52.0  |       |
| 249     | 29.4  | 24.8   | 37.2  |       |

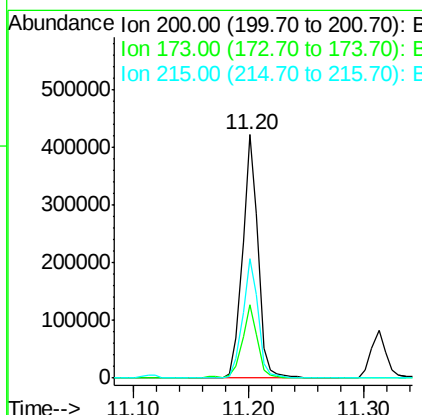
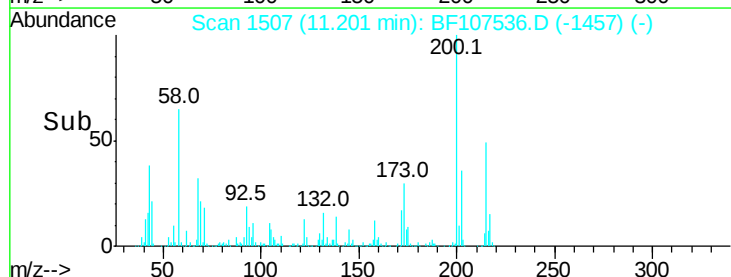
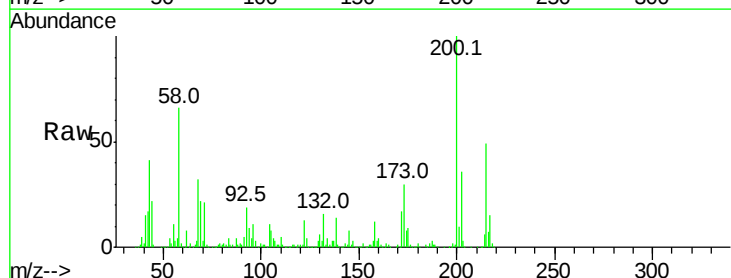
Manual Integrations  
APPROVED

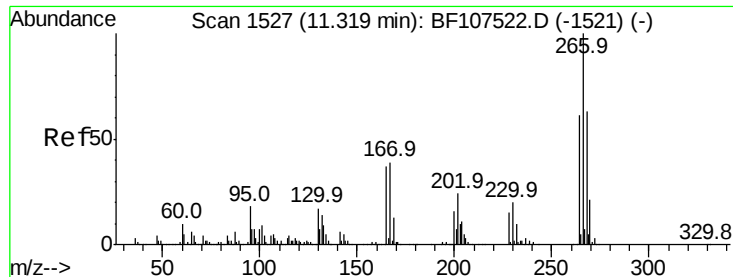
Sohil  
7/23/2018 12:44:39 PM



#68  
Atrazine  
Concen: 34.497 ng  
RT: 11.20 min Scan# 1507  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 393780 |       |       |
| 173     | 30.0  | 8.6    | 48.6  |       |
| 215     | 49.3  | 25.1   | 65.1  |       |





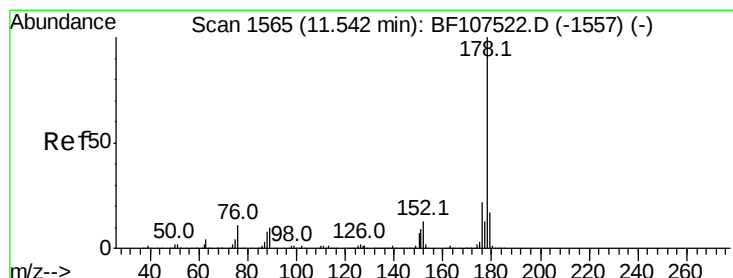
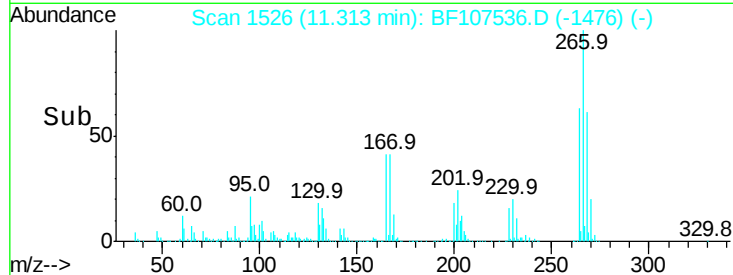
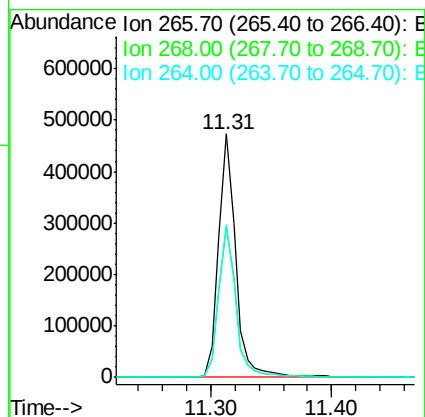
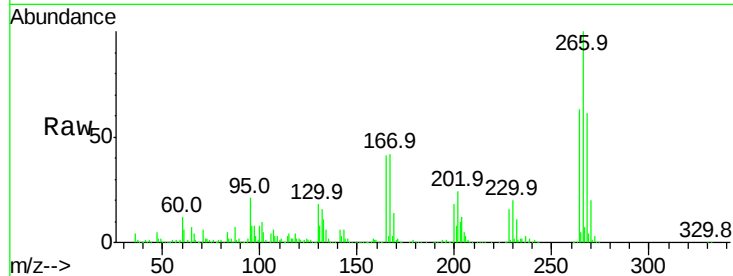
#69  
 Pentachlorophenol  
 Concen: 51.826 ng  
 RT: 11.31 min Scan# 1526  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 461558 |       |       |
| 268     | 61.5  | 51.1   | 76.7  |       |
| 264     | 62.6  | 49.5   | 74.3  |       |

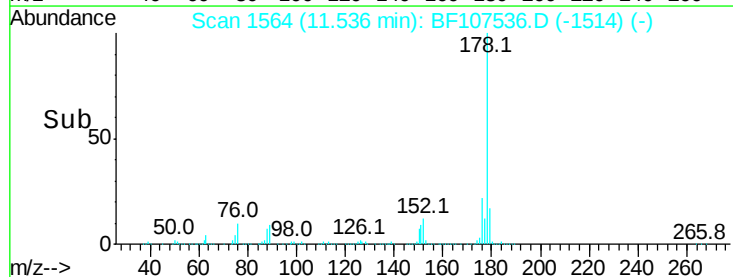
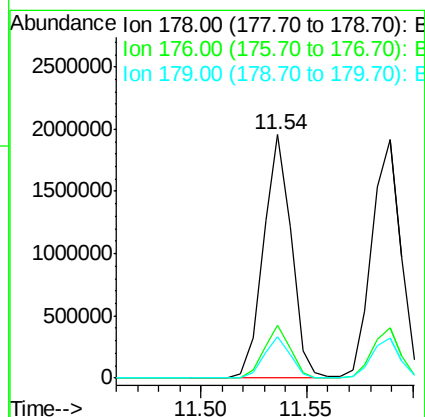
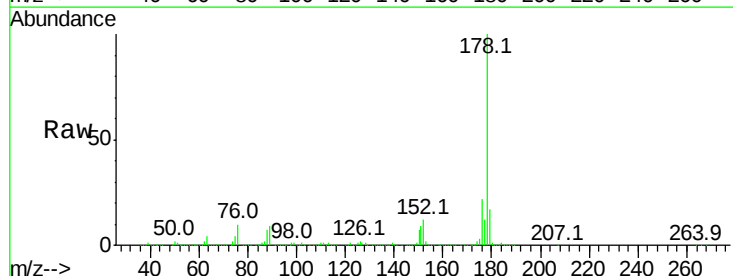
Manual Integrations  
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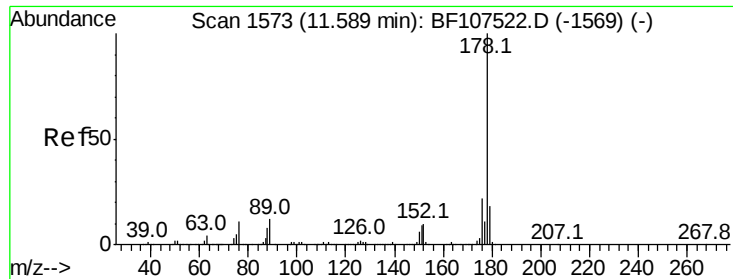
Sohil  
 7/23/2018 12:44:39 PM



#70  
 Phenanthrene  
 Concen: 33.568 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1800699 |       |       |
| 176     | 21.5  | 15.8    | 23.8  |       |
| 179     | 16.9  | 13.0    | 19.6  |       |





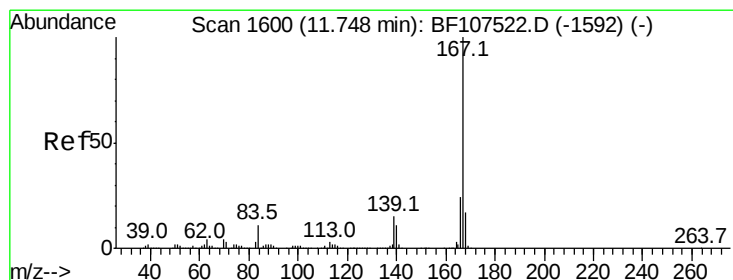
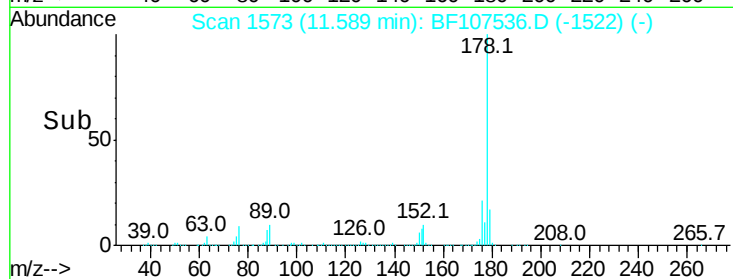
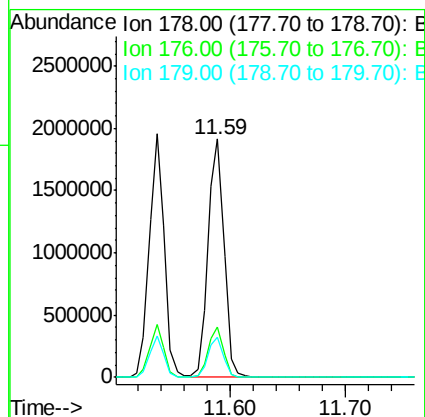
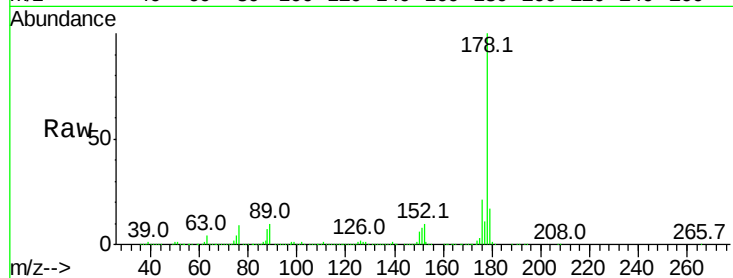
#71  
 Anthracene  
 Concen: 34.274 ng  
 RT: 11.59 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.0  | 15.4  | 23.2  |
| 179     | 17.0  | 12.6  | 19.0  |

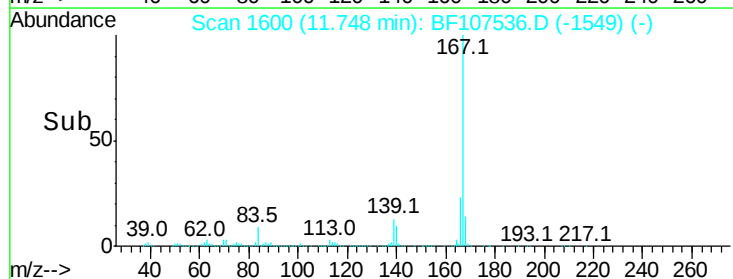
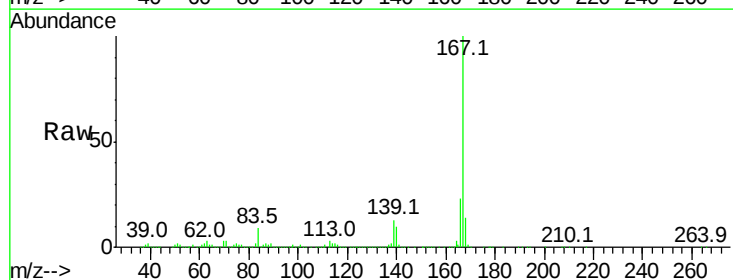
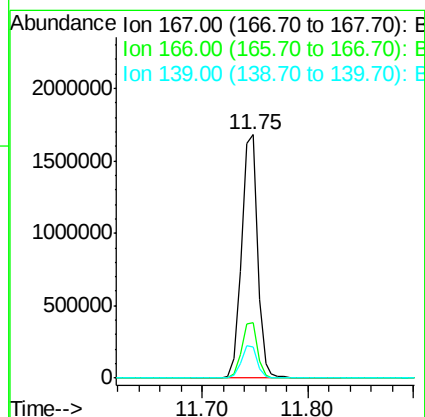
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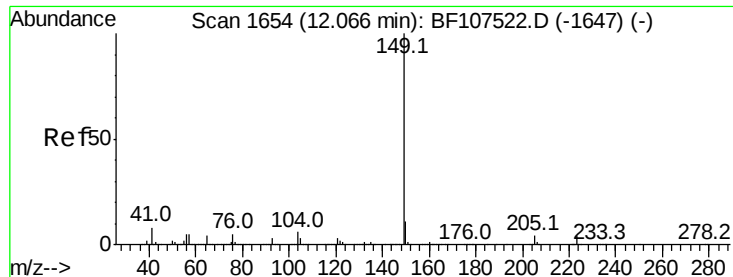
Sohil  
 7/23/2018 12:44:39 PM



#72  
 Carbazole  
 Concen: 30.795 ng  
 RT: 11.75 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.9  | 17.6  | 26.4  |
| 139     | 13.0  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 33.989 ng

RT: 12.06 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

Client Sampled :

161-TP-1MS

Tot Ion:149 Resp: 2112873

Ion Ratio Lower Upper

149 100

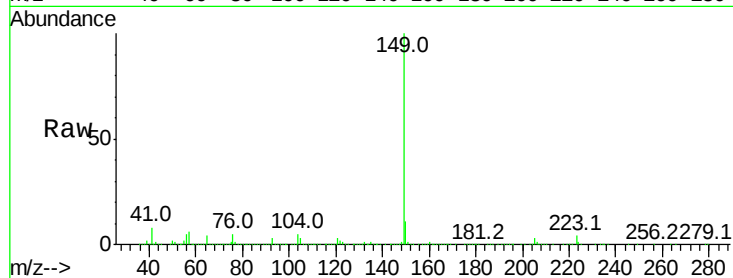
150 10.7 7.8 11.6

104 5.2 3.8 5.8

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Sohil

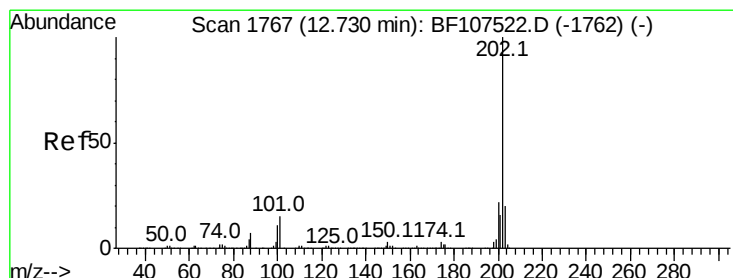
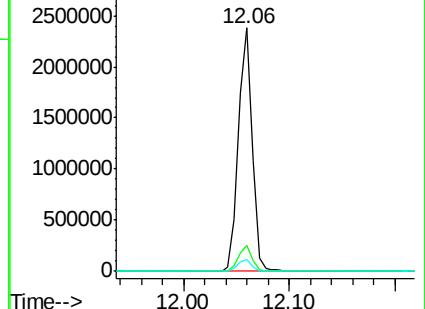
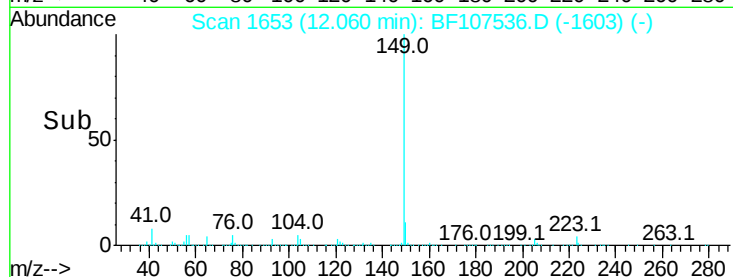
7/23/2018 12:44:39 PM



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: 30.609 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

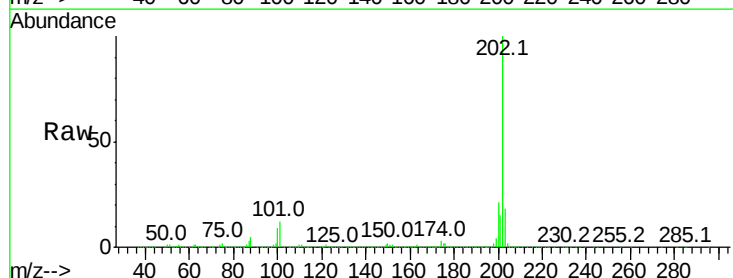
Tgt Ion:202 Resp: 1761931

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

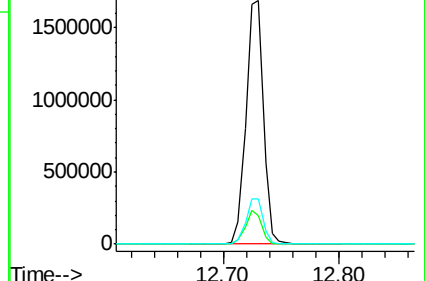
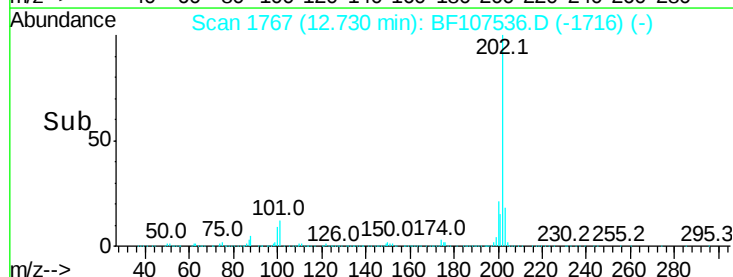
203 18.4 0.0 38.1

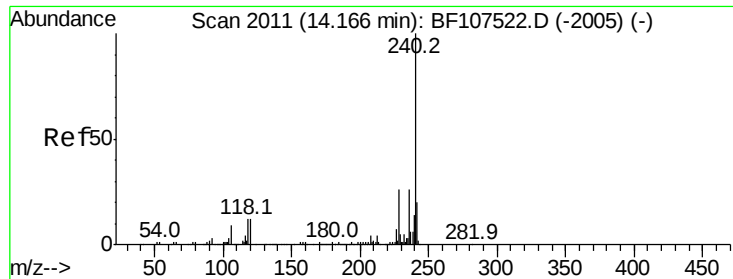


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





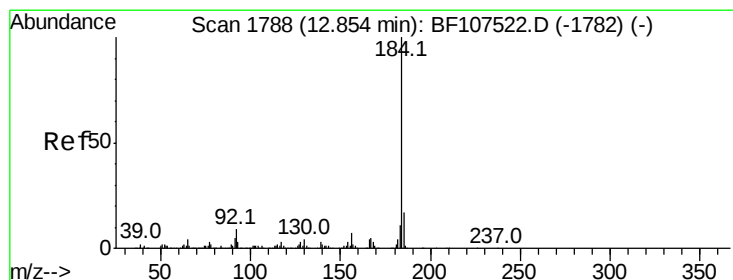
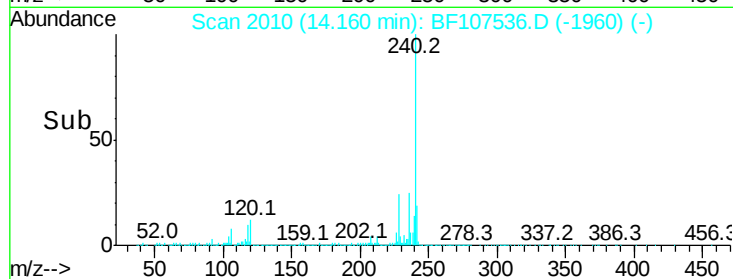
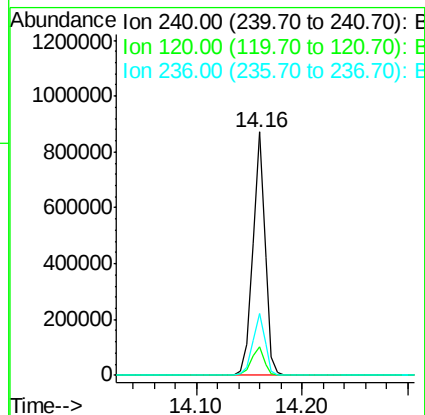
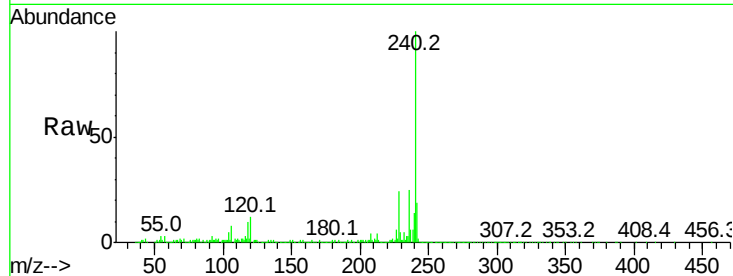
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.16 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 12.0  | 9.5        | 14.3       |
| 236     | 25.5  | 20.7       | 31.1       |

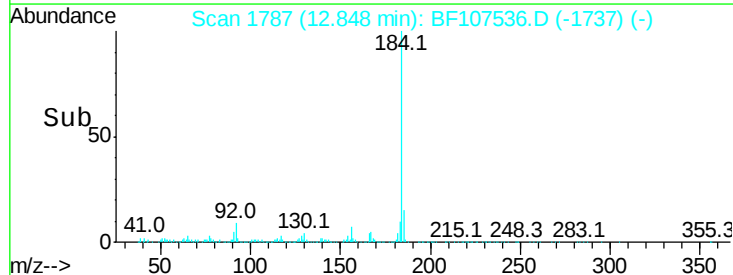
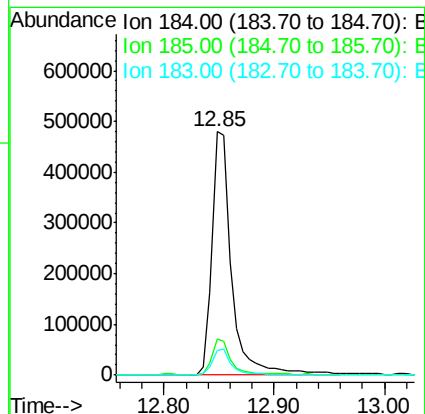
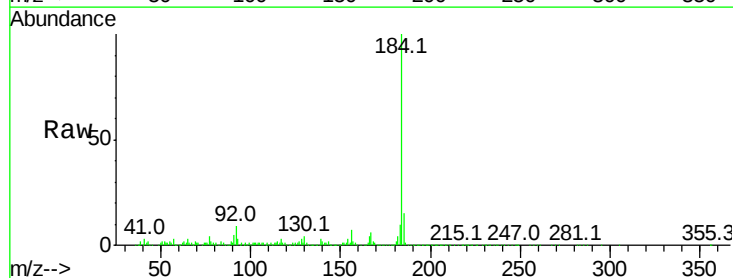
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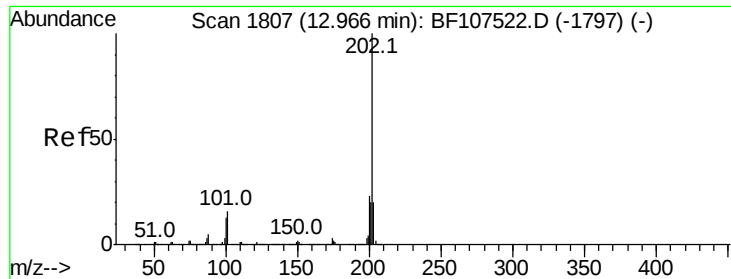
Sohil  
7/23/2018 12:44:39 PM



#76  
Benzidine  
Concen: 28.603 ng  
RT: 12.85 min Scan# 1787  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 184     | 100   |            |            |
| 185     | 15.0  | 12.6       | 18.8       |
| 183     | 10.0  | 9.3        | 13.9       |





#77

Pvrene

Concen: 35.368 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

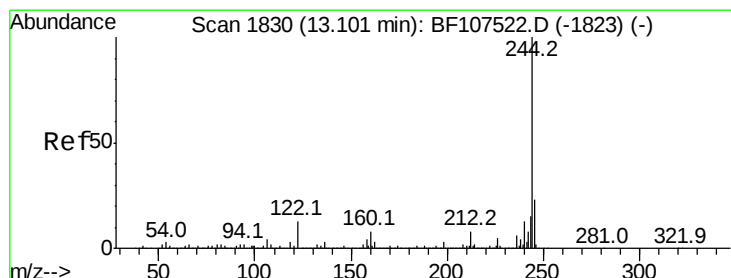
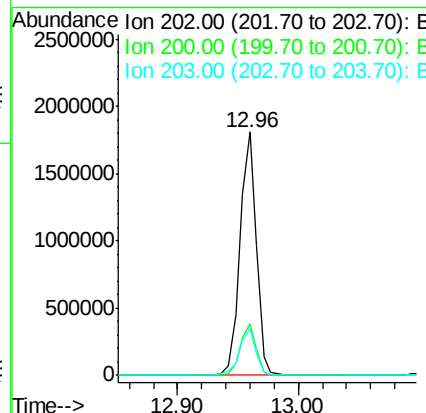
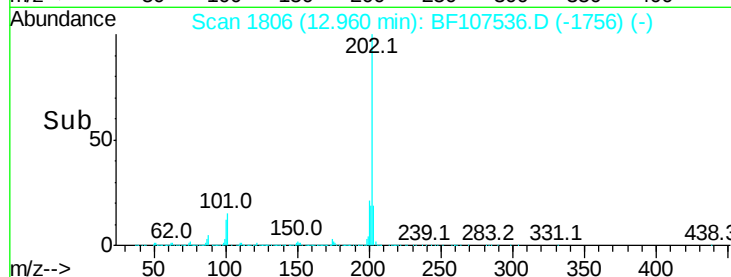
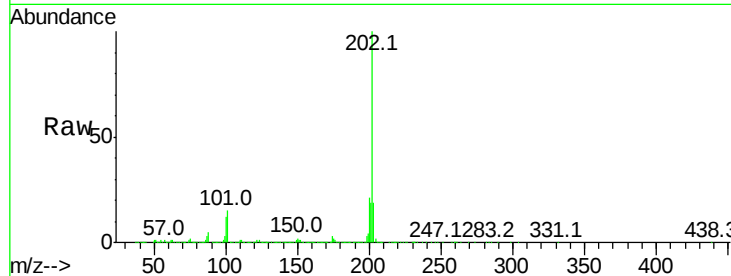
ClientSampleId :

161-TP-1MS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1707111 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.2  | 17.4  | 26.2    |
| 203       | 18.9  | 14.3  | 21.5    |

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7/23/2018 12:44:39 PM



#78

Terphenyl-d14

Concen: 82.401 ng

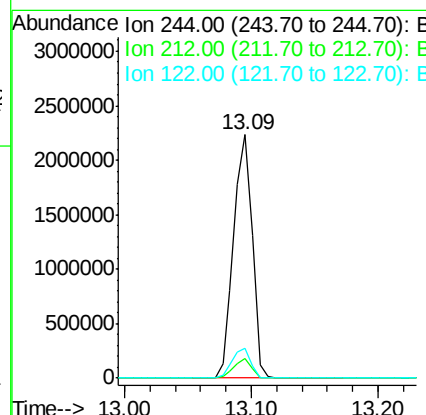
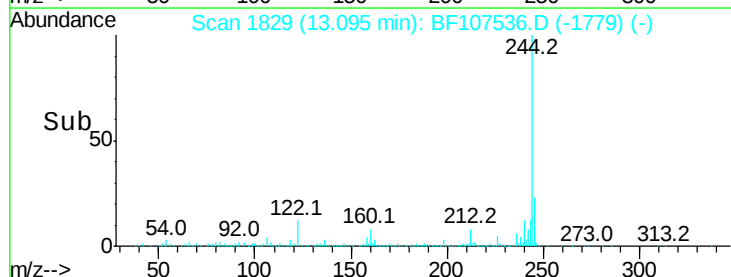
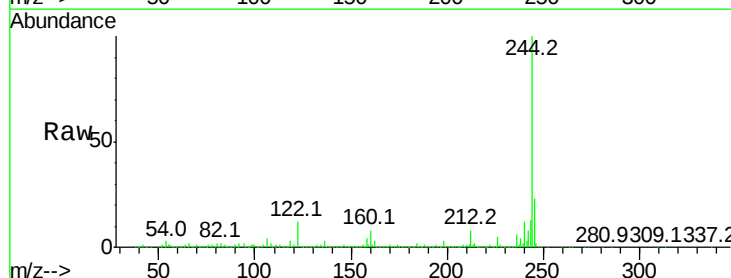
RT: 13.09 min Scan# 1829

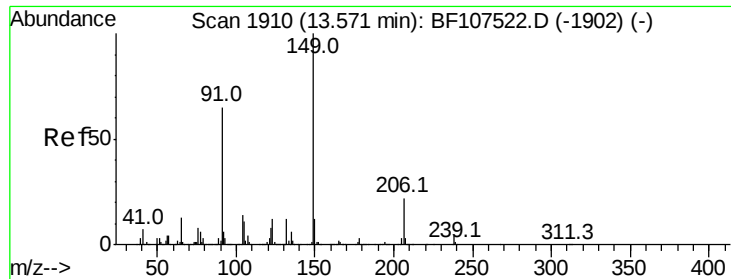
Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 2271235 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 8.0   | 5.4   | 8.0#    |
| 122       | 12.3  | 11.0  | 16.4    |





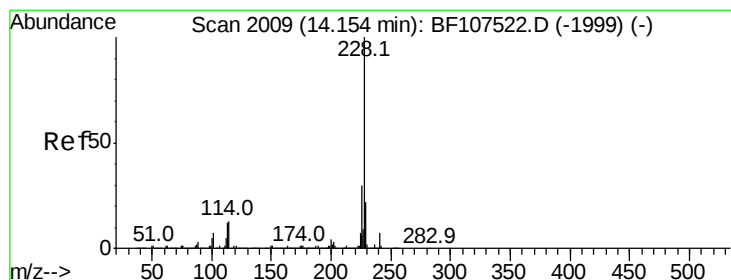
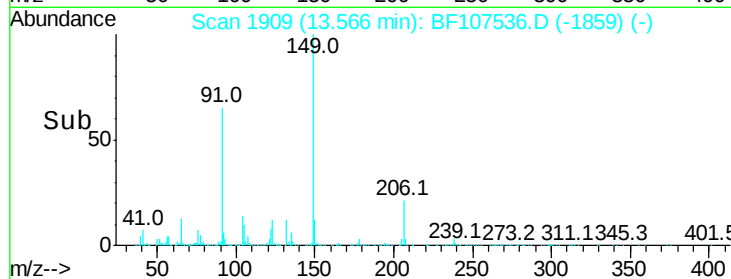
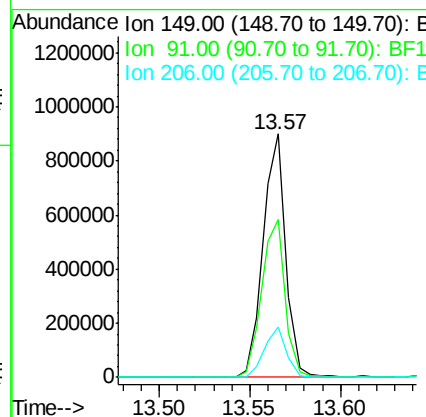
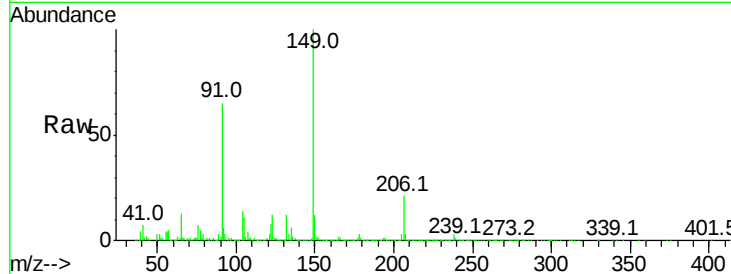
#79  
Butylbenzylphthalate  
Concen: 37.278 ng  
RT: 13.57 min Scan# 1909  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 773801 |       |       |
| 91      | 64.6  | 56.8   | 85.2  |       |
| 206     | 20.7  | 14.1   | 21.1  |       |

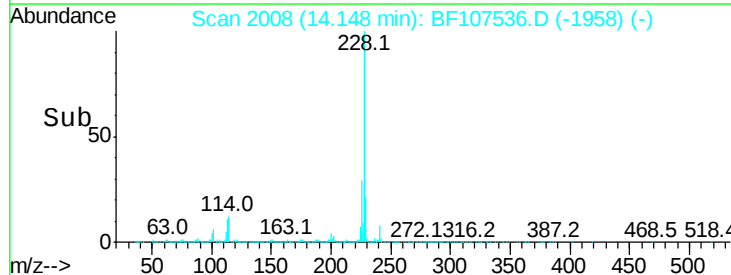
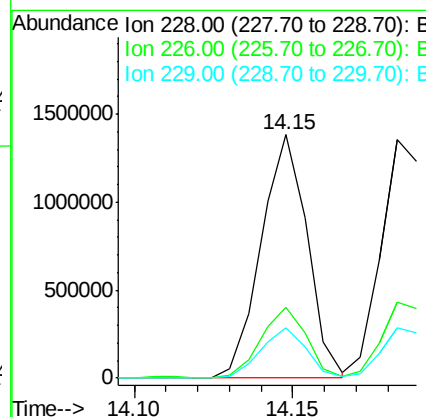
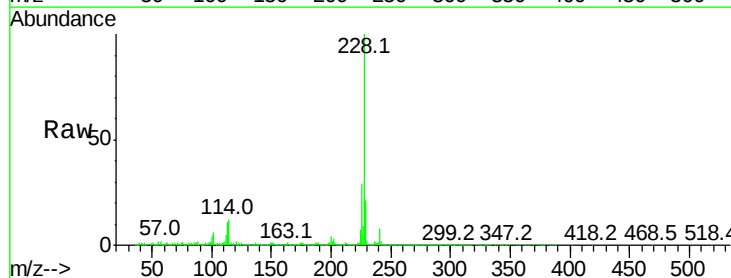
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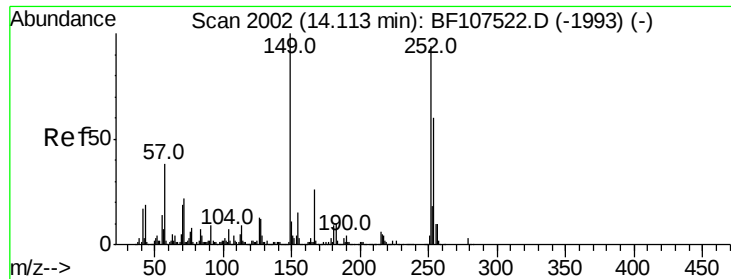
Sohil  
7/23/2018 12:44:39 PM



#80  
Benzo(a)anthracene  
Concen: 33.736 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1395051 |       |       |
| 226     | 29.0  | 22.6    | 33.8  |       |
| 229     | 20.7  | 15.8    | 23.6  |       |





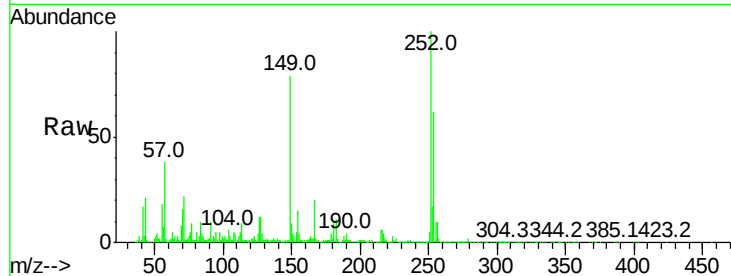
#81  
3,3'-Dichlorobenzidine  
Concen: 29.955 ng  
RT: 14.11 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

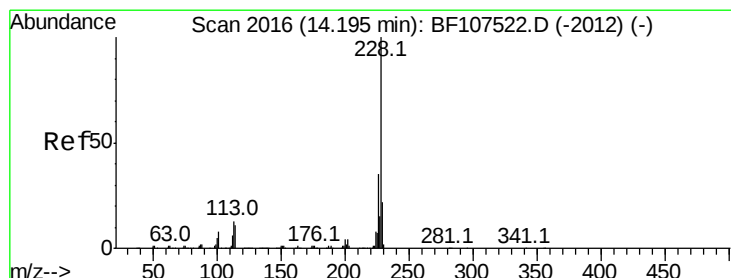
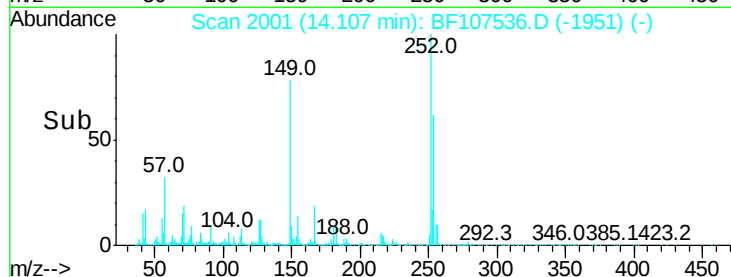
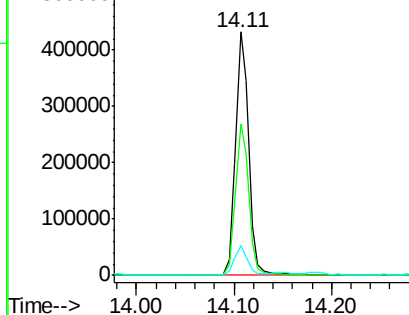
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.1  | 50.4  | 75.6  |
| 126     | 12.5  | 11.3  | 16.9  |

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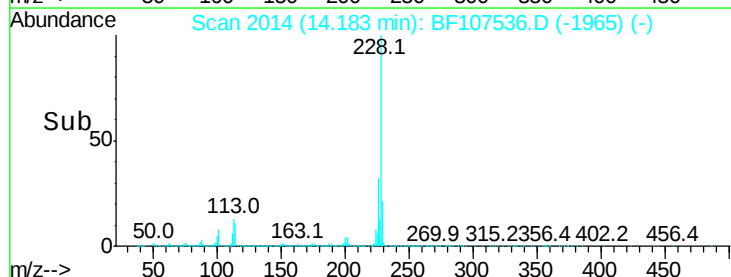
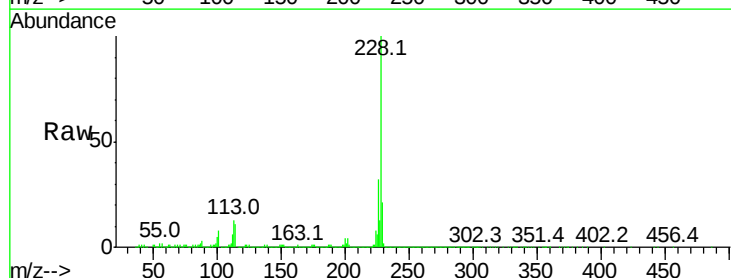
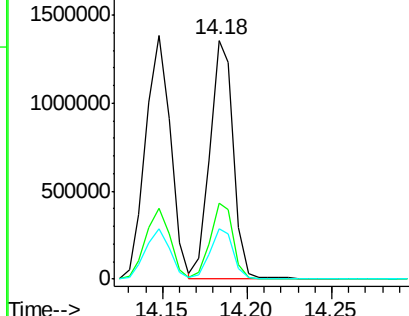
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E

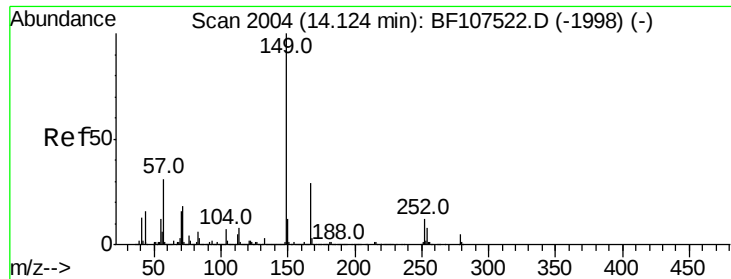


#82  
Chrysene  
Concen: 33.024 ng  
RT: 14.18 min Scan# 2014  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.0  | 25.0  | 37.6  |
| 229     | 20.8  | 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





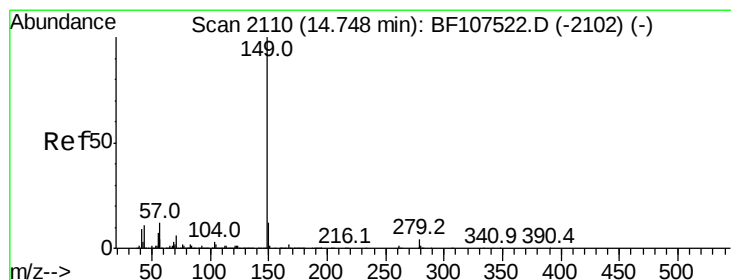
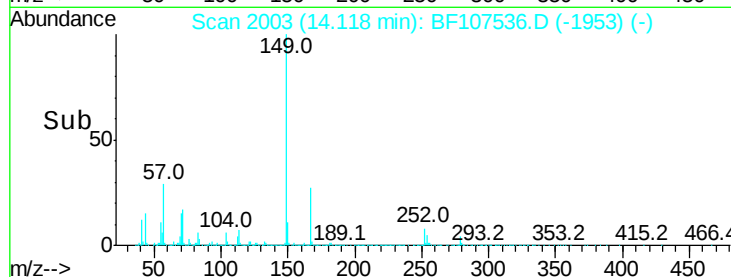
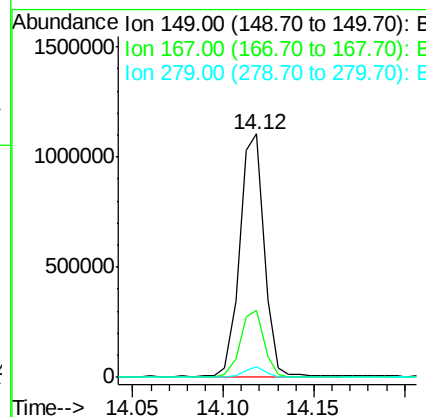
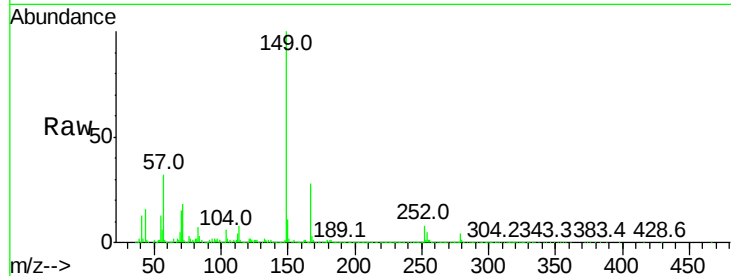
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 35.192 ng  
 RT: 14.12 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampled :  
 161-TP-1MS

Tot Ion:149 Resp: 1030720  
 Ion Ratio Lower Upper  
 149 100  
 167 27.6 21.3 31.9  
 279 4.2 3.0 4.4

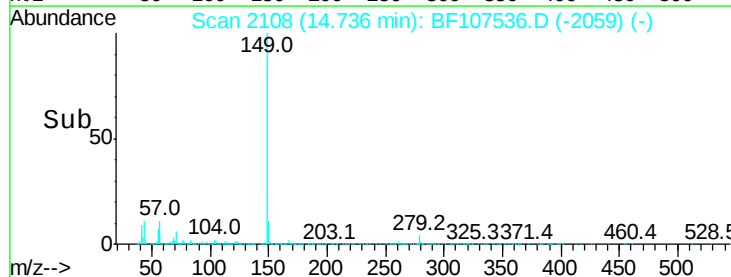
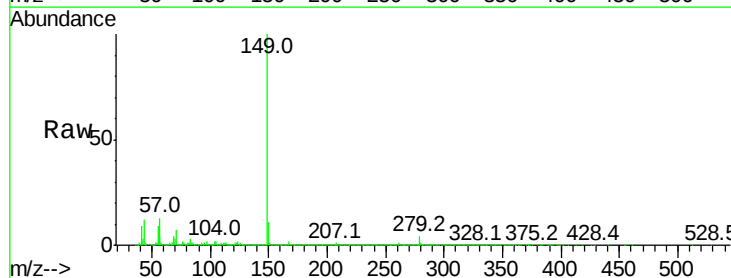
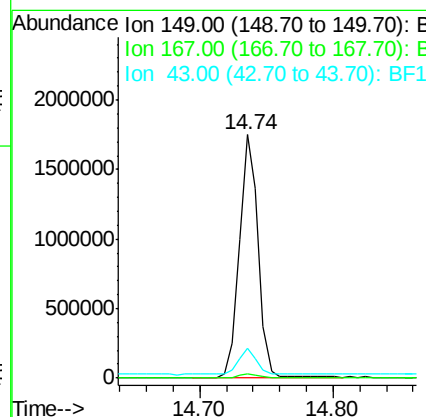
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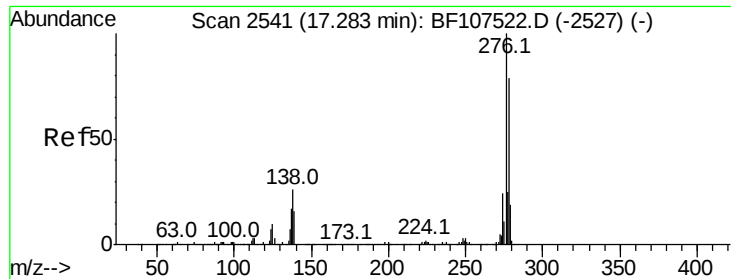
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#84  
 Di-n-octyl phthalate  
 Concen: 37.234 ng  
 RT: 14.74 min Scan# 2108  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Tgt Ion:149 Resp: 1695108  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.2 1.8  
 43 10.6 8.4 12.6





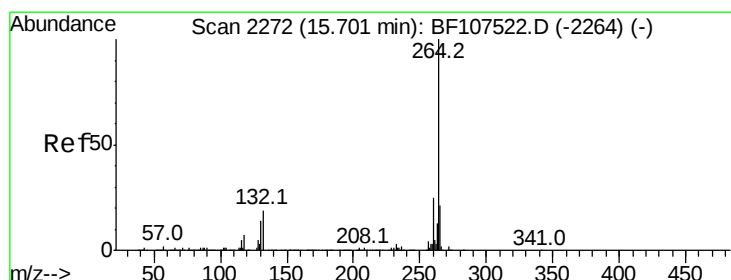
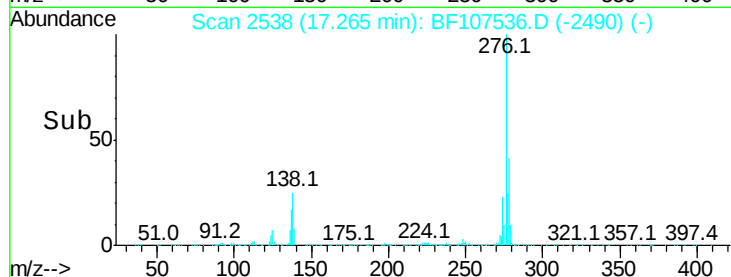
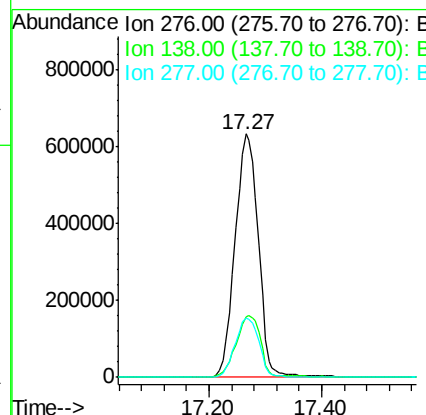
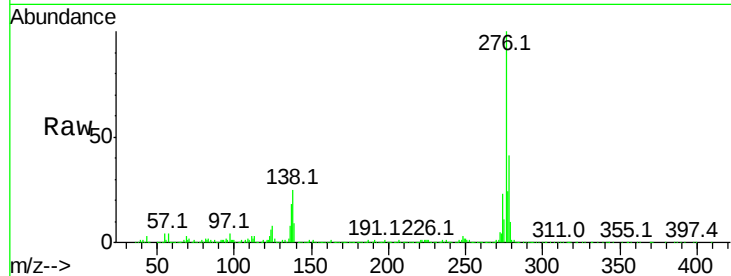
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 54.182 ng  
 RT: 17.27 min Scan# 2538  
 Delta R.T. -0.02 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 25.0  | 37.6  |
| 277     | 24.8  | 20.1  | 30.1  |

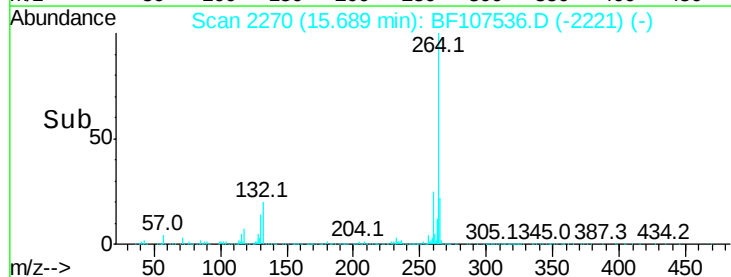
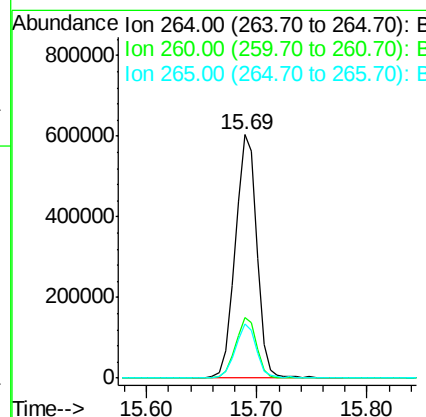
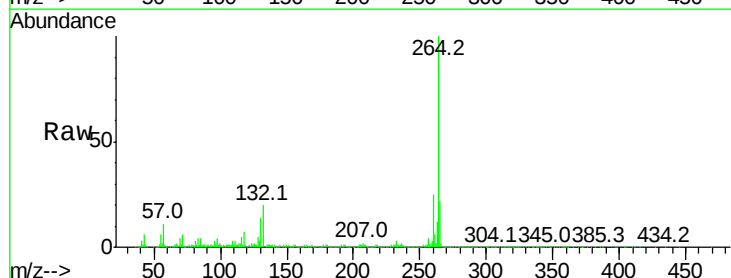
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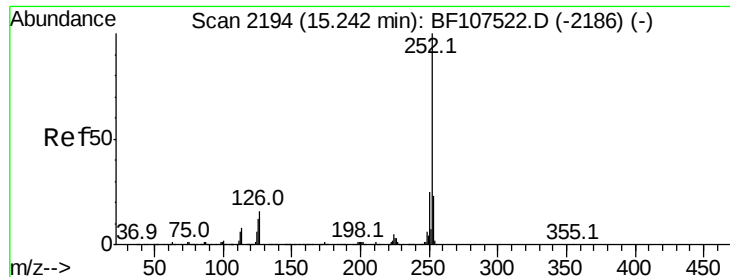
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.2  | 28.8  |
| 265     | 22.3  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 31.661 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

Instrument :

BNA\_F

ClientSampleId :

161-TP-1MS

Tot Ion:252 Resp: 1435477

Ion Ratio Lower Upper

252 100

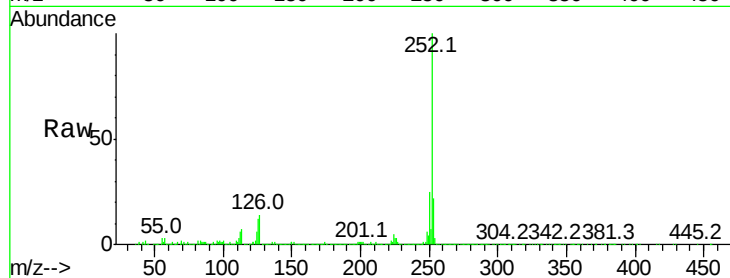
253 22.4 17.0 25.6

125 11.5 9.0 13.6

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Sohil

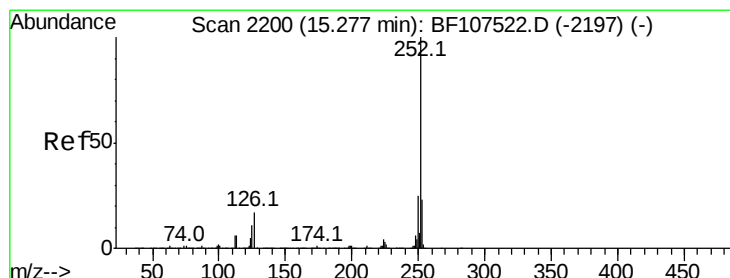
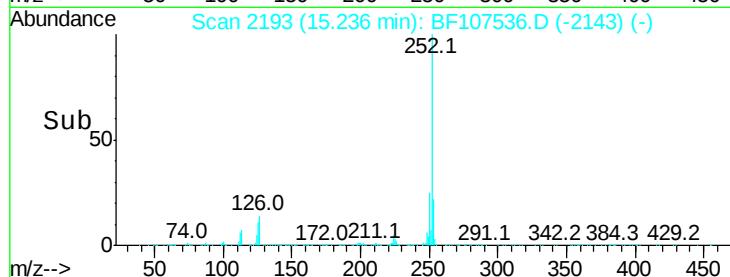
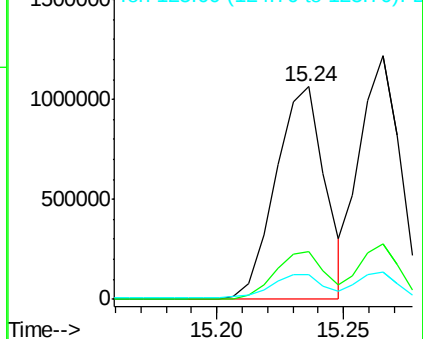
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 30.418 ng

RT: 15.27 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF107536.D

Acq: 20 Jul 2018 20:58

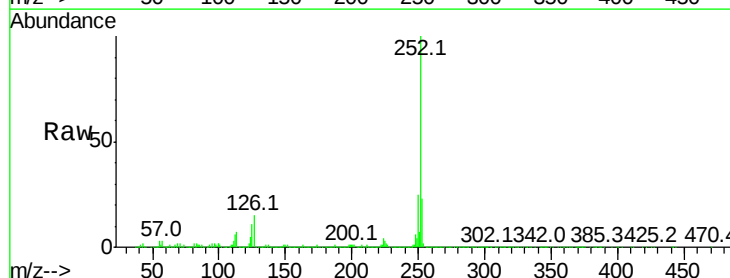
Tgt Ion:252 Resp: 1351163

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

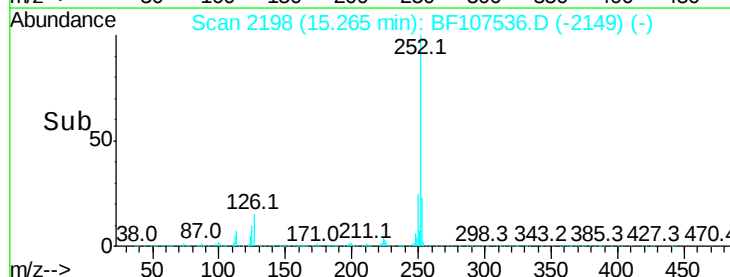
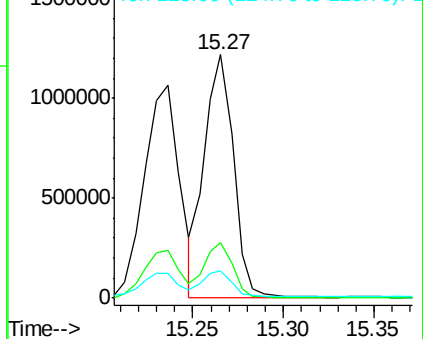
125 11.2 10.2 15.2

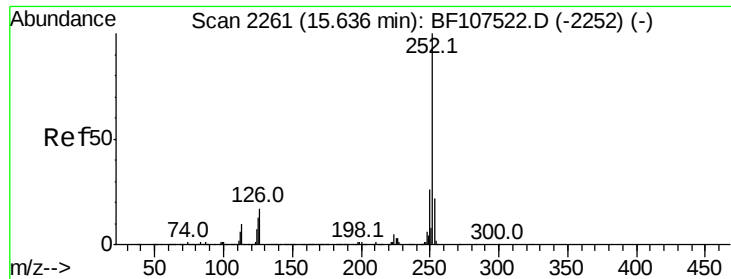


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





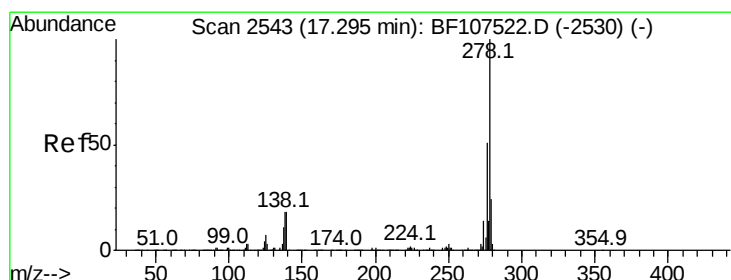
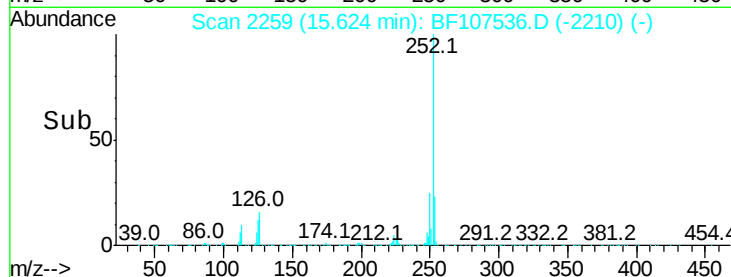
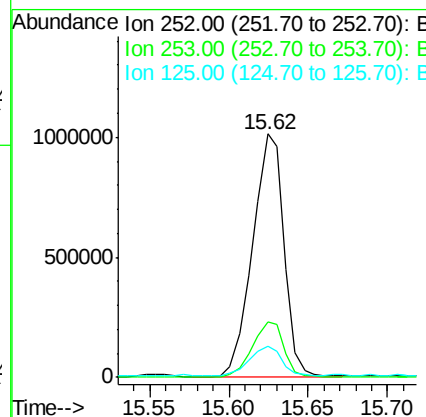
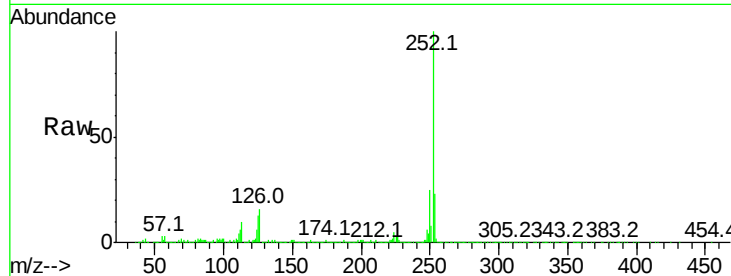
#89  
Benzo(a)pyrene  
Concen: 33.751 ng  
RT: 15.62 min Scan# 2259  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.1  | 25.7  |
| 125     | 13.0  | 9.8   | 14.6  |

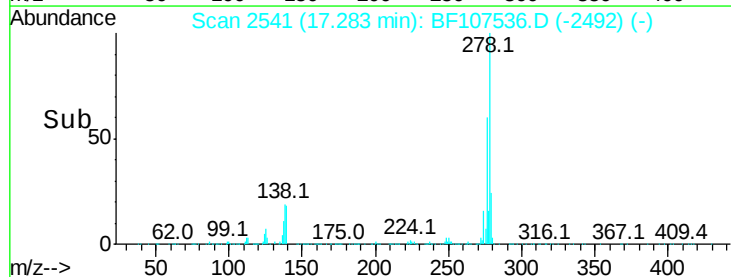
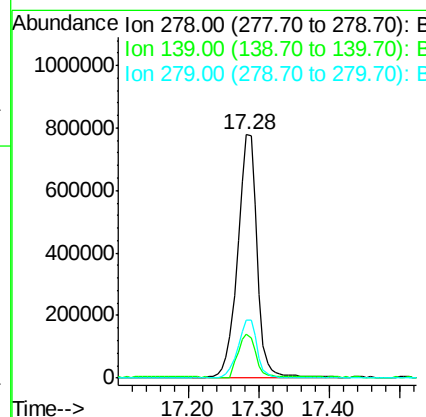
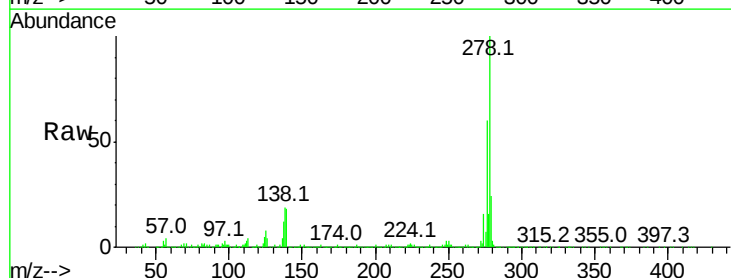
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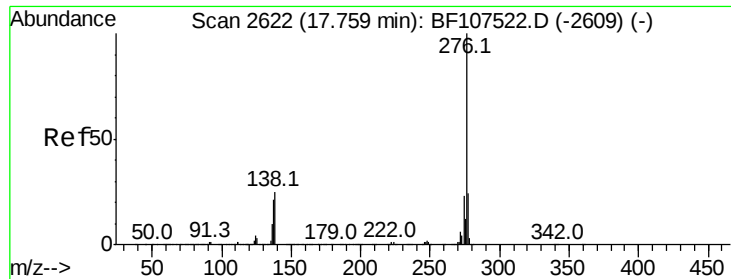
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#90  
Dibenzo(a,h)anthracene  
Concen: 41.532 ng  
RT: 17.28 min Scan# 2541  
Delta R.T. -0.01 min  
Lab File: BF107536.D  
Acq: 20 Jul 2018 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.0  | 15.9  | 23.9  |
| 279     | 24.0  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 42.737 ng  
 RT: 17.75 min Scan# 2620  
 Delta R.T. -0.01 min  
 Lab File: BF107536.D  
 Acq: 20 Jul 2018 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 17.9  | 26.9  |
| 138     | 23.5  | 21.8  | 32.8  |

Manual Integrations  
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