

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\  
 Data File : BF107530.D  
 Acq On : 20 Jul 2018 18:19  
 Operator : JU/SJ  
 Sample : PB111220BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

Manual Integrations  
 APPROVED

Sohil  
 7/23/2018 12:44:34 PM

Quant Time: Jul 23 03:42:13 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  | 324302   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 1233995  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.02 | 164  | 587371   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.51 | 188  | 1196045  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.17 | 240  | 907745   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.69 | 264  | 894105   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 2271758 | 112.63 | ng | 0.00 |
| 7) Phenol-d6             | 6.61  | 99  | 2664777 | 110.03 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.54  | 82  | 1705658 | 93.28  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.82 | 330 | 869415  | 130.17 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.34  | 172 | 2907304 | 84.68  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.10 | 244 | 3168403 | 89.36  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.90 | 88  | 296532  | 31.585 | ng | # 84   |
| 3) Pyridine                    | 3.66 | 79  | 892660  | 34.951 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.63 | 42  | 426767  | 39.619 | ng | 99     |
| 6) Aniline                     | 6.65 | 93  | 904578  | 28.958 | ng | # 87   |
| 8) 2-Chlorophenol              | 6.77 | 128 | 852803  | 39.464 | ng | 93     |
| 9) Benzaldehyde                | 6.53 | 77  | 430676  | 26.842 | ng | 96     |
| 10) Phenol                     | 6.62 | 94  | 1076847 | 37.806 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.71 | 93  | 916157  | 38.796 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 920611  | 37.575 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 946883  | 37.707 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146 | 847791  | 37.620 | ng | 98     |
| 15) Benzyl Alcohol             | 7.12 | 79  | 690216  | 41.815 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 1486087 | 37.302 | ng | 86     |
| 17) 2-Methylphenol             | 7.23 | 107 | 744188  | 40.518 | ng | # 94   |
| 18) Hexachloroethane           | 7.48 | 117 | 340805  | 38.693 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 593664  | 37.943 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.38 | 107 | 891955  | 40.897 | ng | # 59   |
| 22) Acetophenone               | 7.38 | 105 | 1207575 | 41.669 | ng | # 87   |
| 24) Nitrobenzene               | 7.56 | 77  | 936774  | 44.730 | ng | 99     |
| 25) Isophorone                 | 7.80 | 82  | 1740548 | 44.583 | ng | 99     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 466401  | 52.737 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.91 | 122 | 811401  | 48.469 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93  | 1114052 | 42.699 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.12 | 162 | 773111  | 45.183 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180 | 770905  | 40.114 | ng | 99     |
| 31) Naphthalene                | 8.28 | 128 | 2403227 | 44.288 | ng | 97     |
| 32) Benzoic acid               | 8.04 | 122 | 515630  | 44.758 | ng | 97     |
| 33) 4-Chloroaniline            | 8.34 | 127 | 188206  | 7.935  | ng | 94     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 445569  | 39.018 | ng | 100    |
| 35) Caprolactam                | 8.71 | 113 | 257842m | 46.329 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.82 | 107 | 868786  | 45.709 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 1695657 | 45.094 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 778424  | 39.733 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 946688  | 95.058 | ng | 97     |

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 Sample : PB111220BS  
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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

Manual Integrations  
 APPROVED

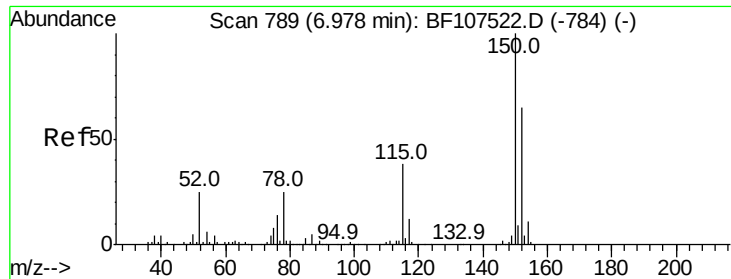
Sohil  
 7/23/2018 12:44:34 PM

Quant Time: Jul 23 03:42:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
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 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  | 545120   | 43.470 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.30  | 196  | 591494   | 45.131 | ng    | 99       |
| 45) 1,1'-Biphenyl              | 9.44  | 154  | 2052396  | 40.112 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.47  | 162  | 1560740  | 39.906 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.57  | 65   | 562126   | 49.301 | ng    | 88       |
| 48) Acenaphthylene             | 9.88  | 152  | 2510164  | 42.725 | ng    | 94       |
| 49) Dimethylphthalate          | 9.74  | 163  | 1883527  | 42.548 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 429087   | 48.821 | ng    | # 86     |
| 51) Acenaphthene               | 10.05 | 154  | 1476882  | 40.121 | ng    | 97       |
| 52) 3-Nitroaniline             | 9.98  | 138  | 220861   | 20.656 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 395106   | 89.757 | ng    | # 21     |
| 54) Dibenzofuran               | 10.23 | 168  | 2195888  | 40.520 | ng    | 96       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 742029   | 92.691 | ng    | 95       |
| 56) 2,4-Dinitrotoluene         | 10.21 | 165  | 557723   | 52.570 | ng    | 97       |
| 57) Fluorene                   | 10.57 | 166  | 1759444  | 45.508 | ng    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.35 | 232  | 513483   | 47.075 | ng    | 91       |
| 59) Diethylphthalate           | 10.44 | 149  | 1993184  | 43.112 | ng    | 95       |
| 60) 4-Chlorophenyl-phenylether | 10.56 | 204  | 862292   | 39.452 | ng    | 93       |
| 61) 4-Nitroaniline             | 10.61 | 138  | 484755   | 53.962 | ng    | 99       |
| 62) Azobenzene                 | 10.72 | 77   | 1876856  | 43.293 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 269337   | 46.891 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.68 | 169  | 1614962  | 39.757 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.05 | 248  | 562116   | 39.925 | ng    | # 85     |
| 67) Hexachlorobenzene          | 11.12 | 284  | 617900   | 39.886 | ng    | # 87     |
| 68) Atrazine                   | 11.21 | 200  | 547252   | 44.125 | ng    | 97       |
| 69) Pentachlorophenol          | 11.32 | 266  | 670152   | 69.256 | ng    | 99       |
| 70) Phenanthrene               | 11.54 | 178  | 2400141  | 41.180 | ng    | 94       |
| 71) Anthracene                 | 11.59 | 178  | 2494757  | 42.513 | ng    | 95       |
| 72) Carbazole                  | 11.75 | 167  | 2381043  | 39.019 | ng    | 94       |
| 73) Di-n-butylphthalate        | 12.06 | 149  | 2864850  | 45.901 | ng    | # 94     |
| 74) Fluoranthene               | 12.73 | 202  | 2616513  | 41.836 | ng    | 96       |
| 76) Benzidine                  | 12.85 | 184  | 1352134  | 51.724 | ng    | 99       |
| 77) Pyrene                     | 12.97 | 202  | 2645999  | 42.615 | ng    | 96       |
| 79) Butylbenzylphthalate       | 13.57 | 149  | 1342574  | 50.279 | ng    | 99       |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 2331302  | 43.825 | ng    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 14.11 | 252  | 407601   | 22.258 | ng    | # 96     |
| 82) Chrysene                   | 14.19 | 228  | 2118043  | 41.449 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 1813177  | 48.125 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 2763973  | 47.196 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.28 | 276  | 2434522  | 56.214 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.24 | 252  | 2106623  | 43.051 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.27 | 252  | 1956937  | 40.820 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.63 | 252  | 1990089  | 44.460 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.29 | 278  | 1982945  | 51.249 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.76 | 276  | 2060149  | 53.979 | ng    | 95       |

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





#1

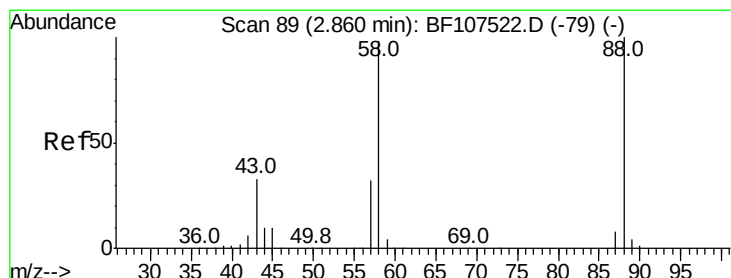
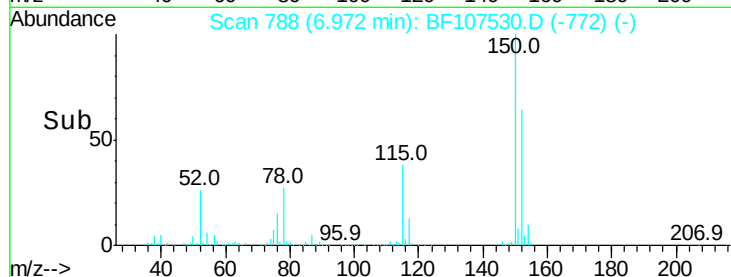
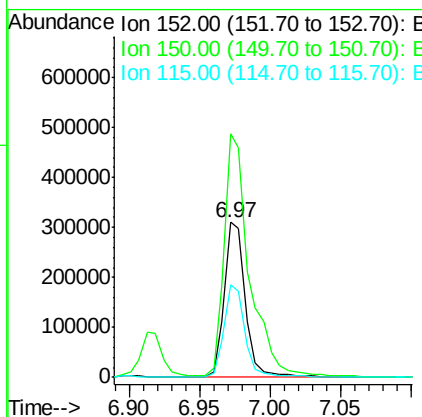
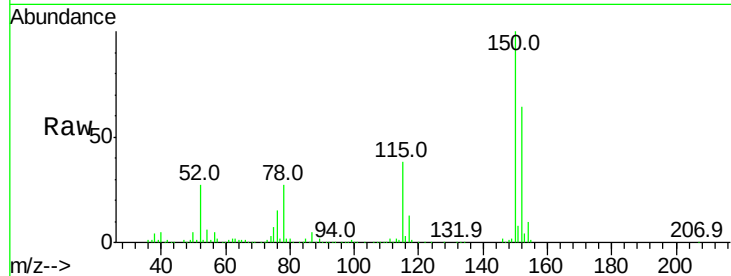
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 124.6 | 186.8 |
| 115     | 59.5  | 50.1  | 75.1  |

Manual Integrations  
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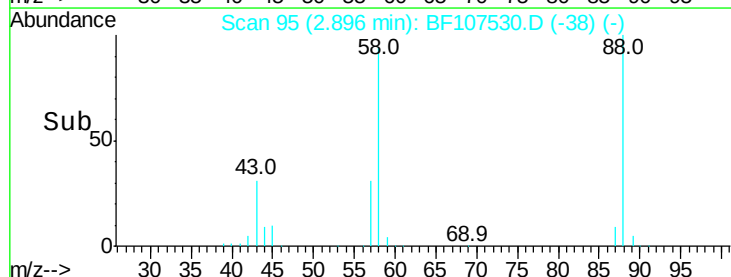
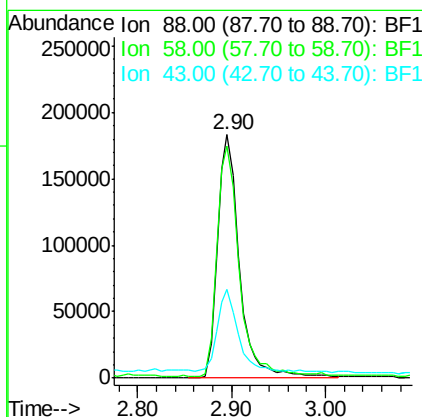
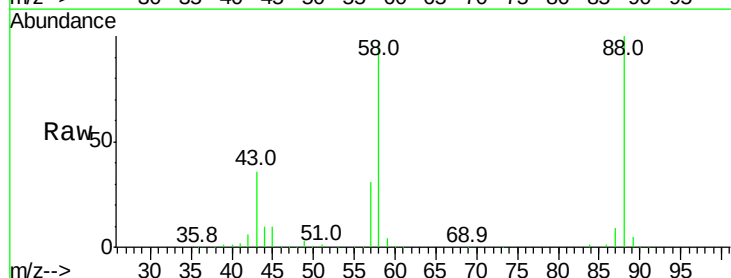
Sohil  
7/23/2018 12:44:34 PM

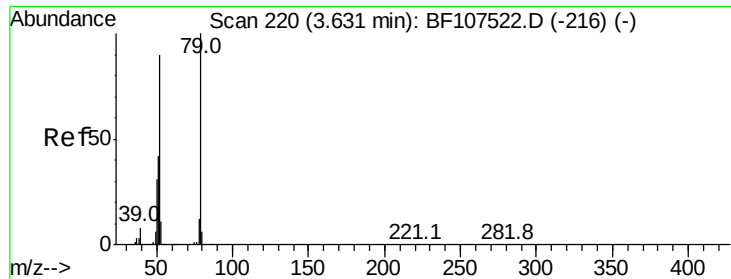


#2

1,4-Dioxane  
Concen: 31.585 ng  
RT: 2.90 min Scan# 95  
Delta R.T. 0.04 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 96.8  | 62.6  | 93.8# |
| 43      | 32.4  | 24.6  | 37.0  |





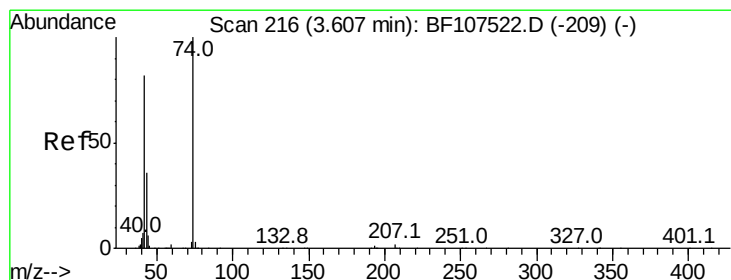
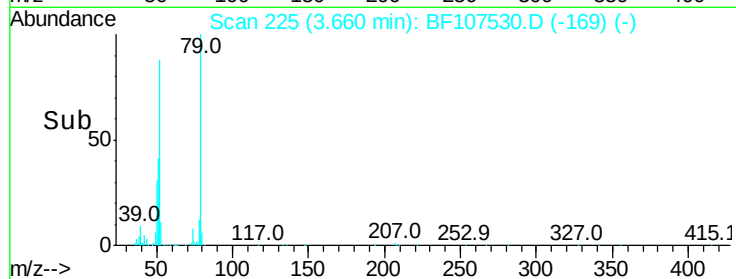
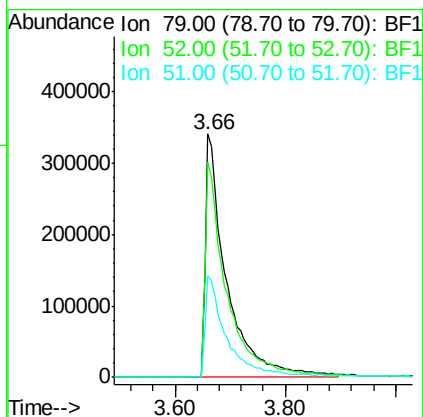
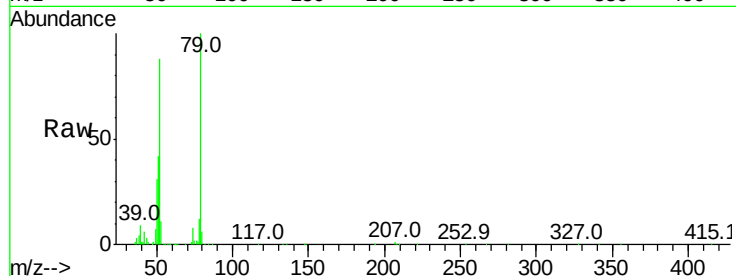
#3  
 Pvridine  
 Concen: 34.951 ng  
 RT: 3.66 min Scan# 225  
 Delta R.T. 0.03 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 79      | 100  |       |      |       |       |
| 52      | 88.5 | 59.8  | 89.6 |       |       |
| 51      | 41.6 | 29.8  | 44.8 |       |       |

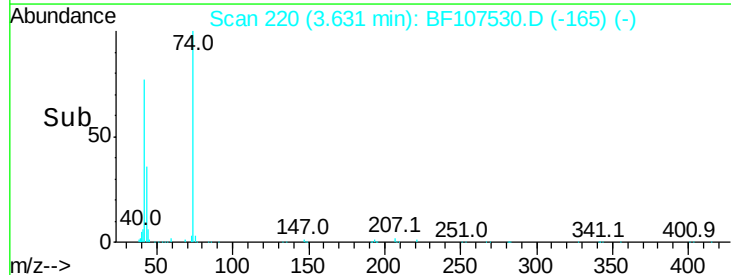
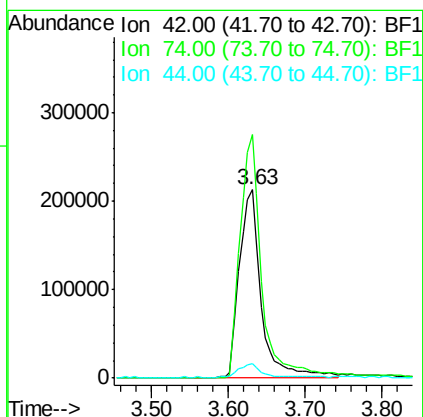
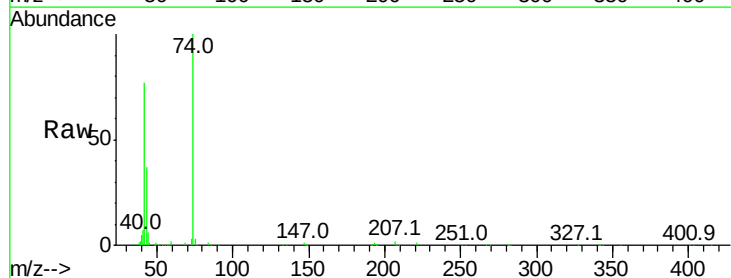
Manual Integrations  
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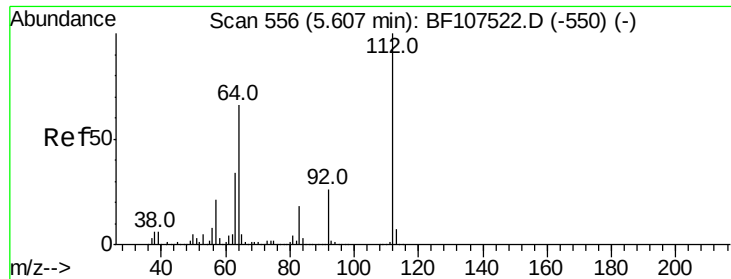
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 7/23/2018 12:44:34 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 39.619 ng  
 RT: 3.63 min Scan# 220  
 Delta R.T. 0.02 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 42      | 100   |       |       |       |       |
| 74      | 129.5 | 104.9 | 157.3 |       |       |
| 44      | 8.0   | 6.9   | 10.3  |       |       |





#5

2-Fluorophenol

Concen: 112.628 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion: 112 Resp: 2271758

Ion Ratio Lower Upper

112 100

64 69.3 47.9 71.9

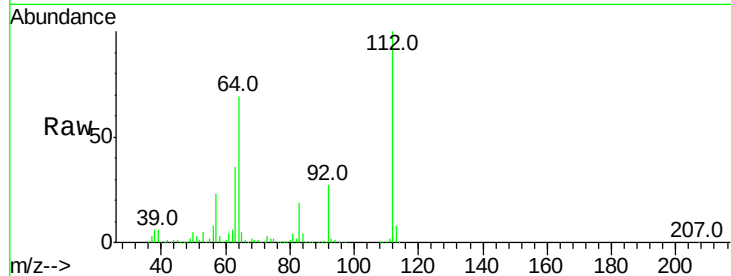
63 35.6 23.7 35.5#

Manual Integrations

APPROVED

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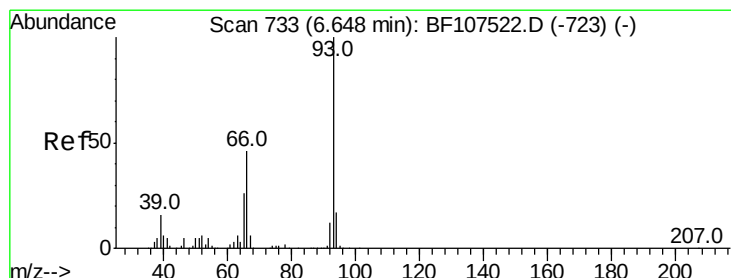
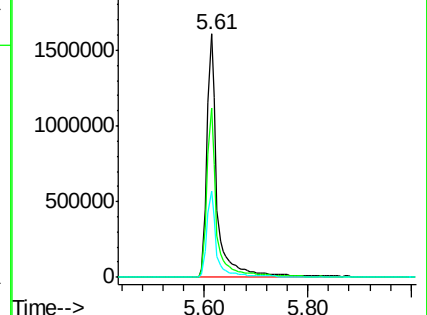
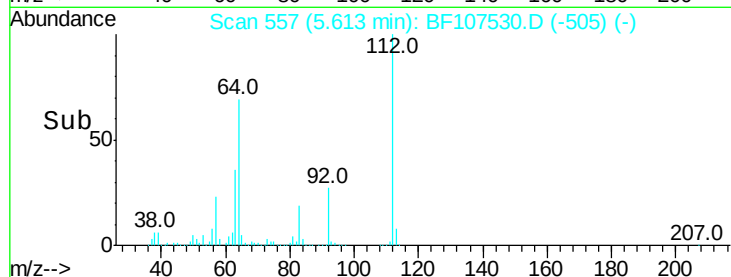
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.958 ng

RT: 6.65 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

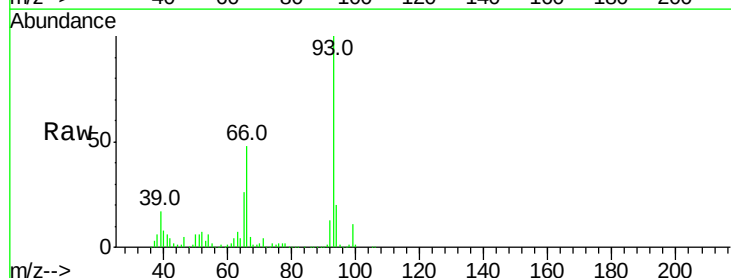
Tgt Ion: 93 Resp: 904578

Ion Ratio Lower Upper

93 100

66 48.5 32.2 48.2#

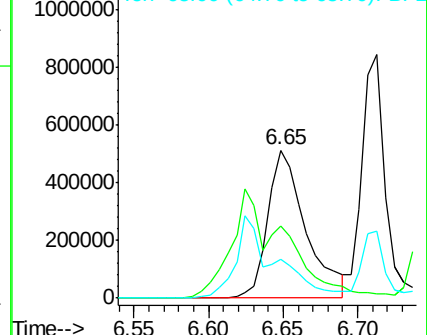
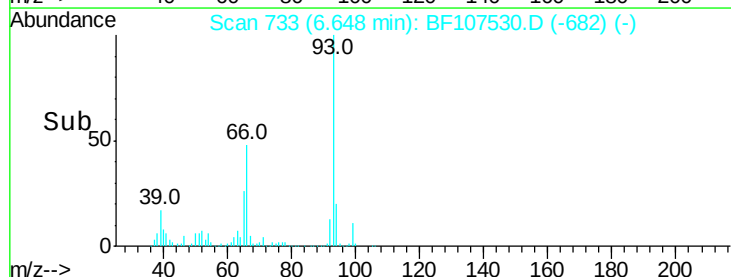
65 25.8 16.4 24.6#

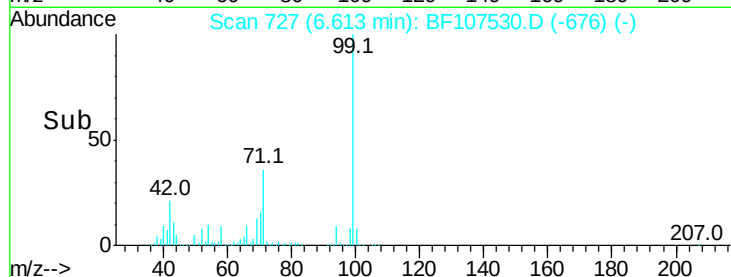
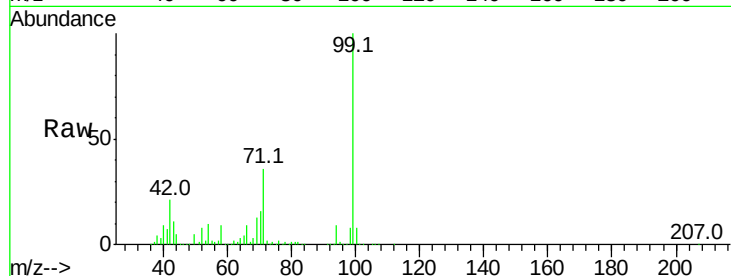
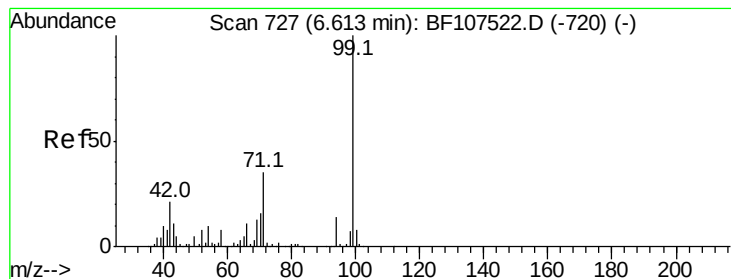


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 110.026 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Tot Ion: 99 Resp: 2664777

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 35.9 25.4 38.0

Instrument :

BNA\_F

ClientSampleId :

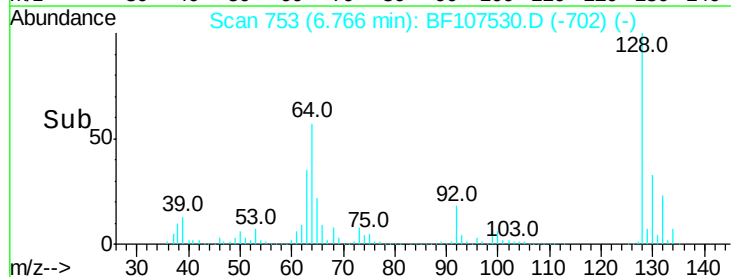
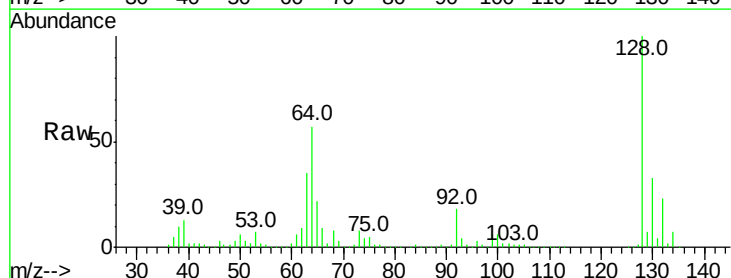
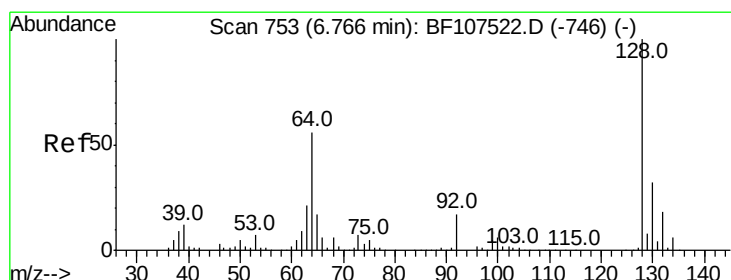
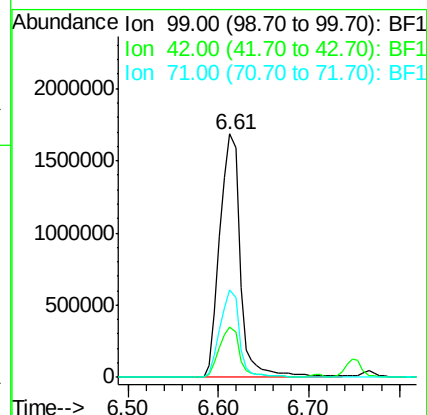
PB111220BS

Manual Integrations

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#8

2-Chlorophenol

Concen: 39.464 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

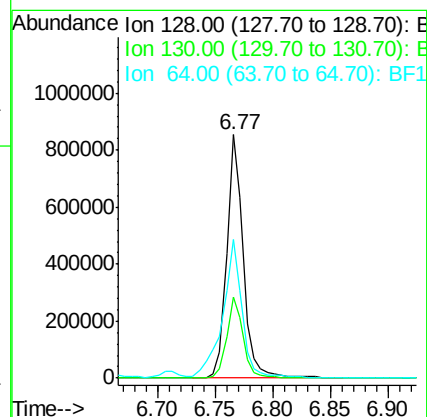
Tgt Ion:128 Resp: 852803

Ion Ratio Lower Upper

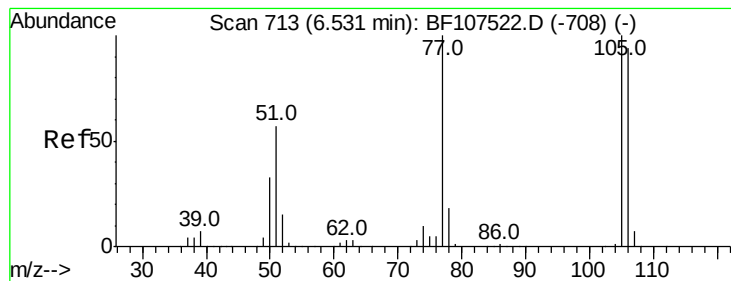
128 100

130 33.4 13.0 53.0

64 57.0 29.4 69.4







#9

Benzaldehyde

Concen: 26.842 ng

RT: 6.53 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion: 77 Resp: 430676

Ion Ratio Lower Upper

77 100

105 104.2 81.1 121.1

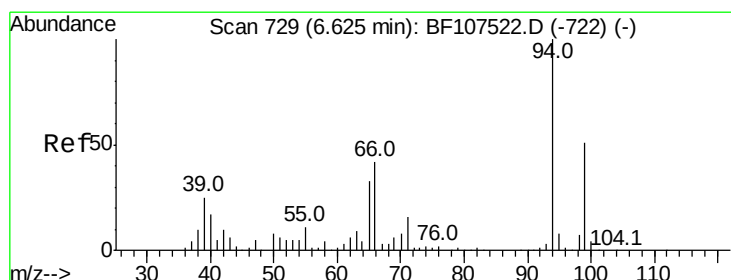
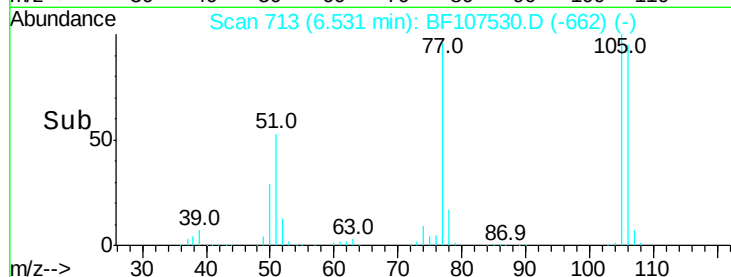
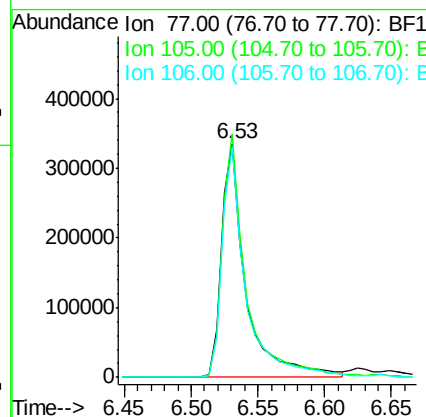
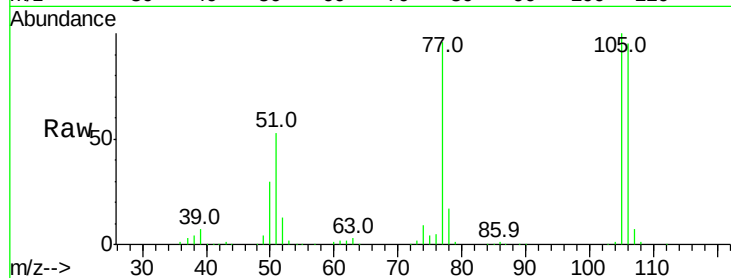
106 98.8 74.5 114.5

Manual Integrations

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#10

Phenol

Concen: 37.806 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

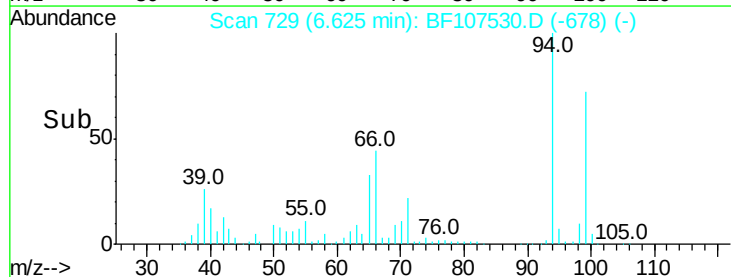
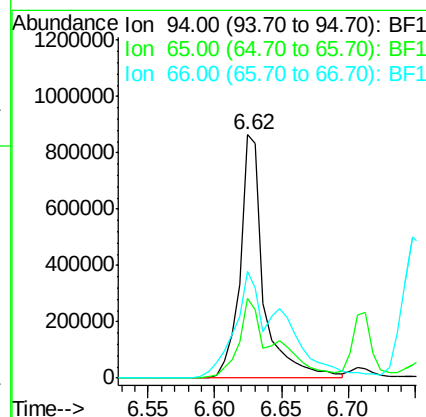
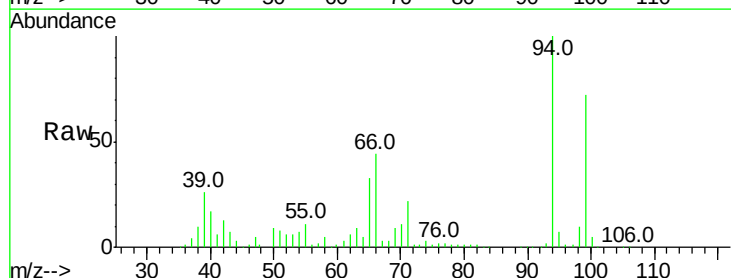
Tgt Ion: 94 Resp: 1076847

Ion Ratio Lower Upper

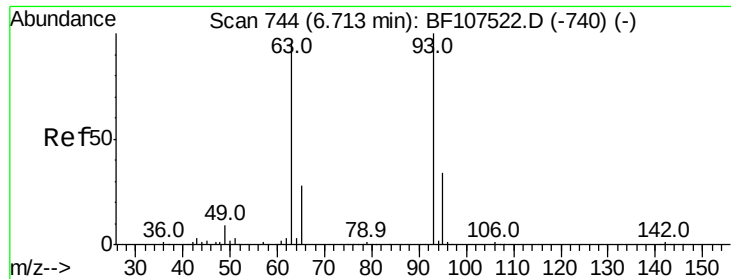
94 100

65 33.0 7.9 47.9

66 43.8 16.2 56.2







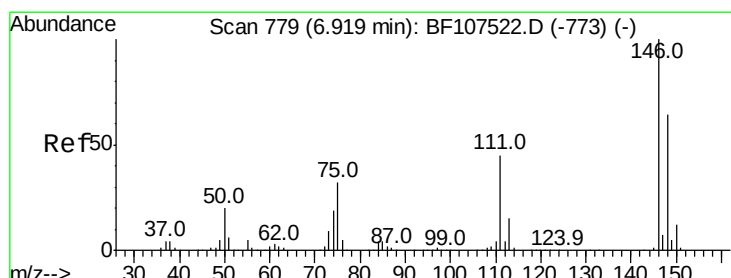
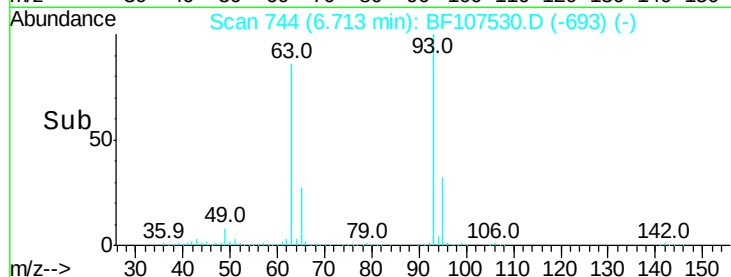
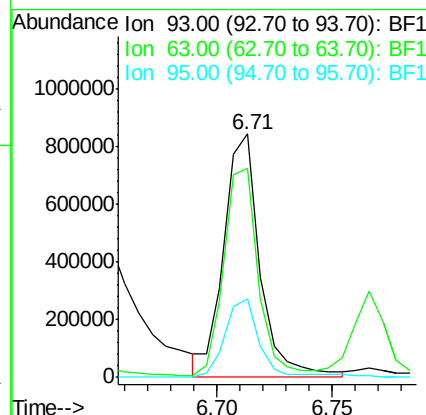
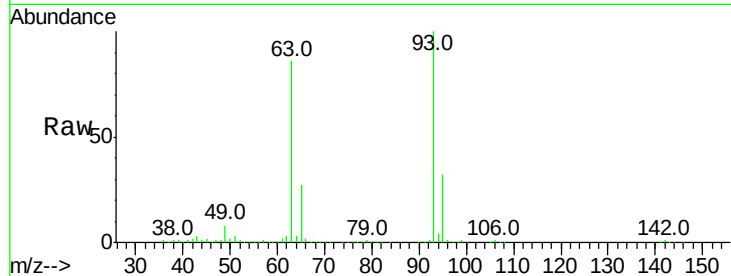
#11  
bis(2-Chloroethyl)ether  
Concen: 38.796 ng  
RT: 6.71 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion   | 93   | Resp  | 916157 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 93        | 100  |       |        |
| 63        | 85.9 | 58.6  | 98.6   |
| 95        | 32.2 | 11.8  | 51.8   |

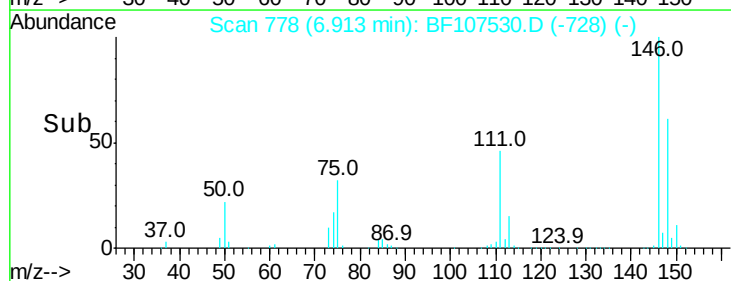
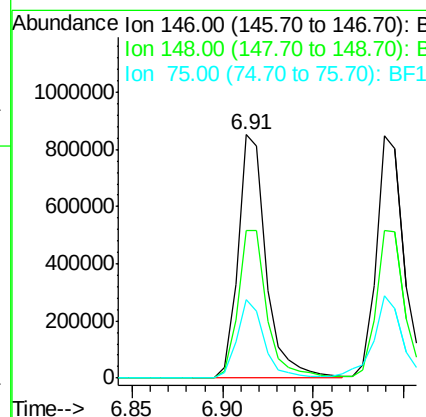
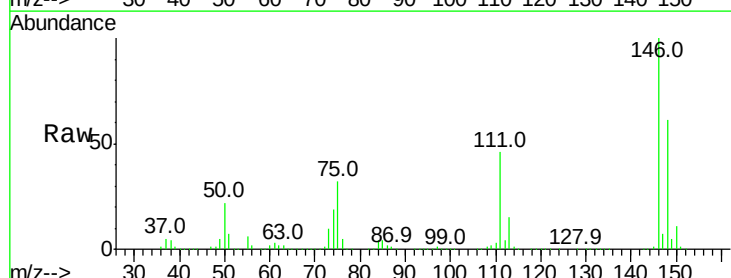
Manual Integrations  
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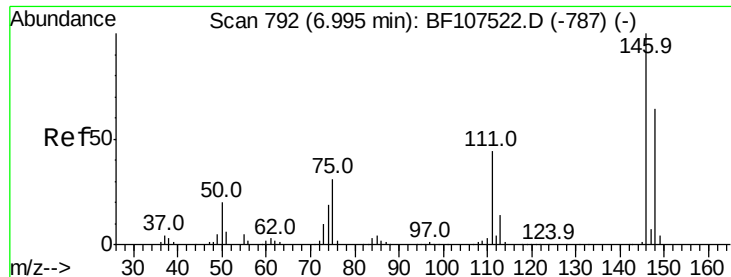
Sohil  
7/23/2018 12:44:34 PM



#12  
1,3-Dichlorobenzene  
Concen: 37.575 ng  
RT: 6.91 min Scan# 778  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion   | 146  | Resp  | 920611 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 146       | 100  |       |        |
| 148       | 60.7 | 51.8  | 77.8   |
| 75        | 32.5 | 24.2  | 36.4   |





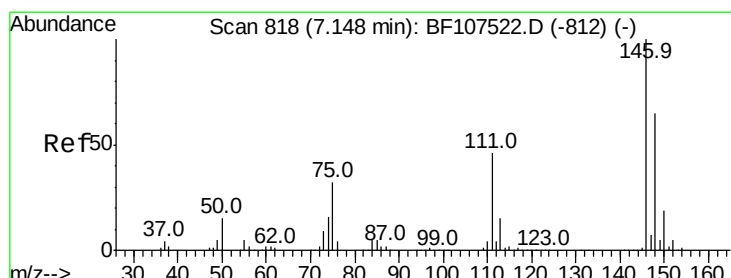
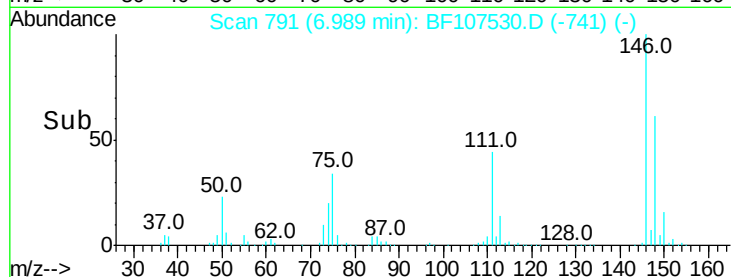
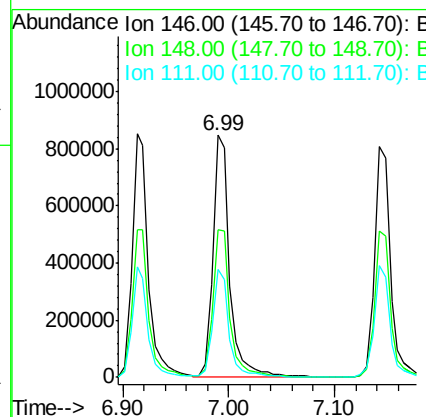
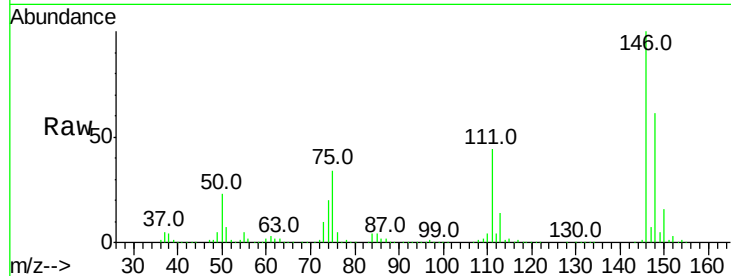
#13  
 1,4-Dichlorobenzene  
 Concen: 37.707 ng  
 RT: 6.99 min Scan# 791  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 60.7  | 50.8  | 76.2  |
| 111     | 44.4  | 34.2  | 51.2  |

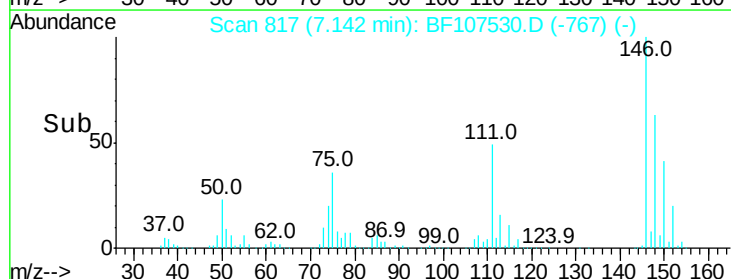
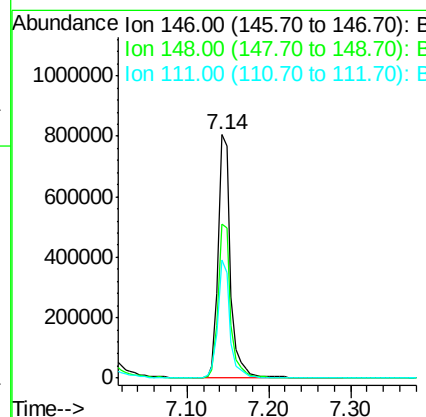
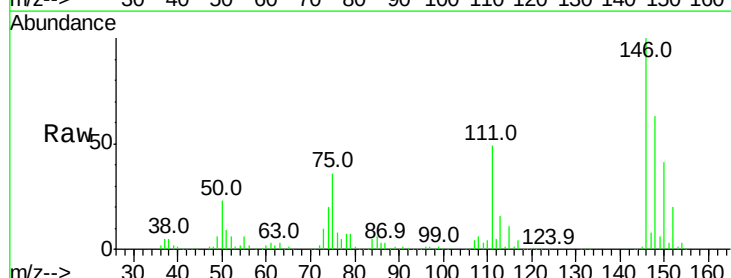
Manual Integrations  
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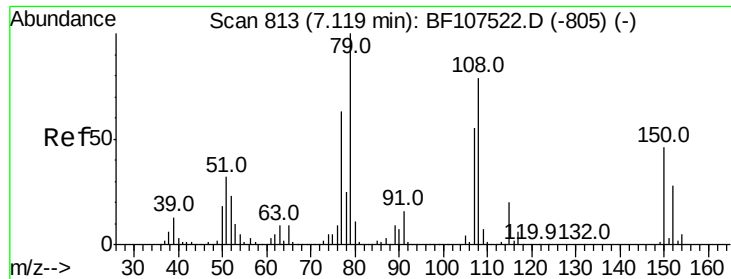
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 7/23/2018 12:44:34 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 37.620 ng  
 RT: 7.14 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.4  | 50.6  | 75.8  |
| 111     | 48.6  | 36.0  | 54.0  |





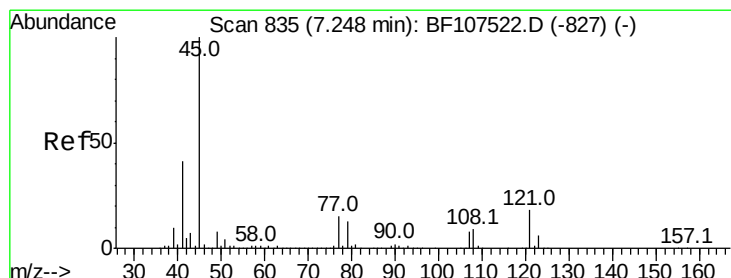
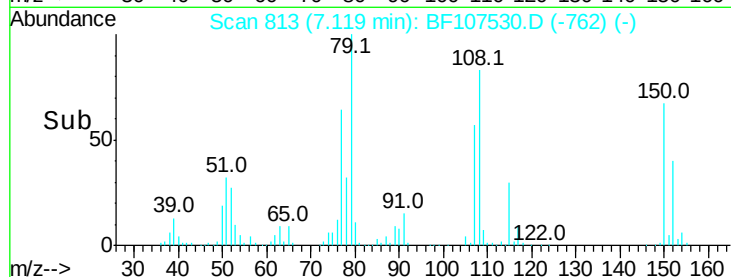
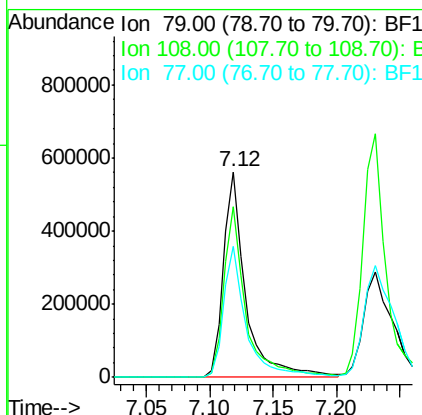
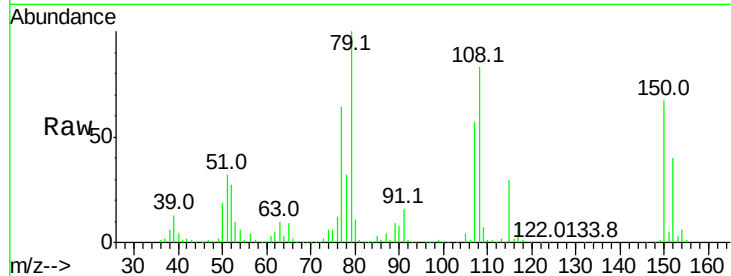
#15  
Benzyl Alcohol  
Concen: 41.815 ng  
RT: 7.12 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 83.0  | 65.1  | 97.7  |
| 77      | 63.8  | 50.6  | 75.8  |

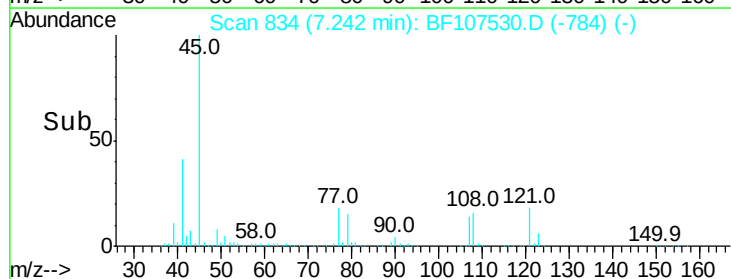
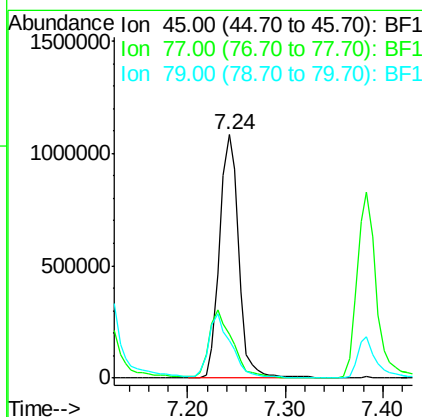
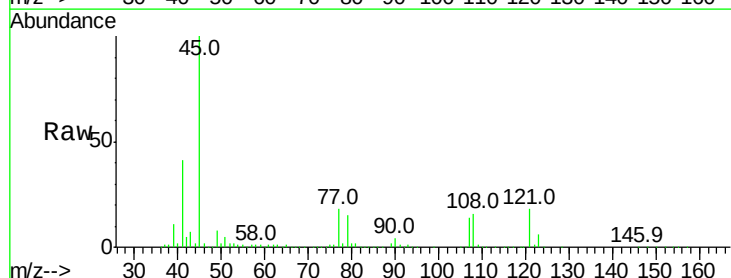
Manual Integrations  
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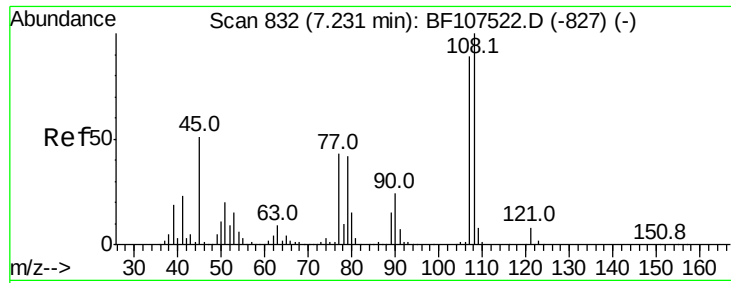
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 37.302 ng  
RT: 7.24 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 18.3  | 0.0   | 32.9  |
| 79      | 15.4  | 0.0   | 29.6  |





#17

2-Methylphenol

Concen: 40.518 ng

RT: 7.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

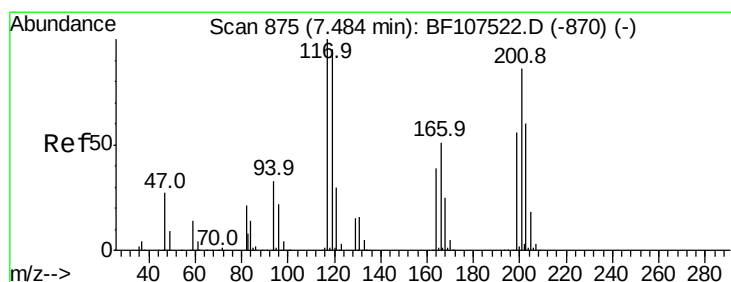
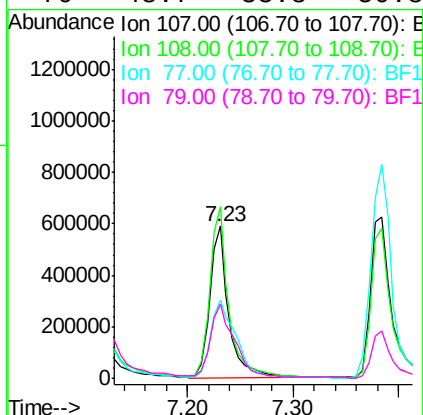
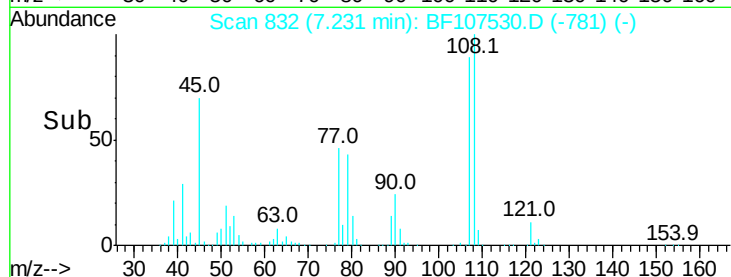
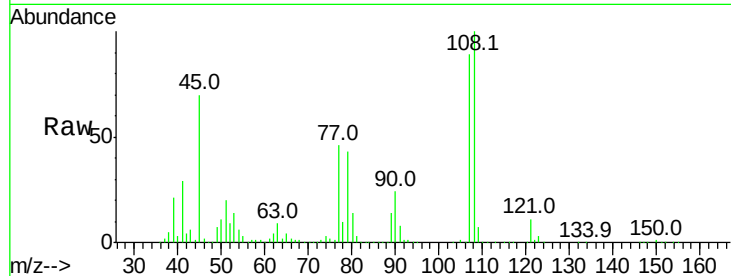
ClientSampleId :

PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.7 | 91.7  | 137.5 |
| 77      | 51.6  | 33.8  | 50.8# |
| 79      | 48.7  | 33.8  | 50.8  |

Manual Integrations  
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7/23/2018 12:44:34 PM



#18

Hexachloroethane

Concen: 38.693 ng

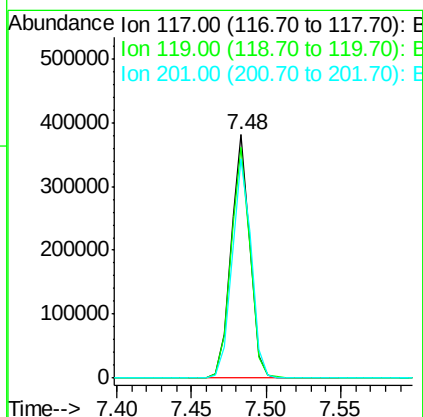
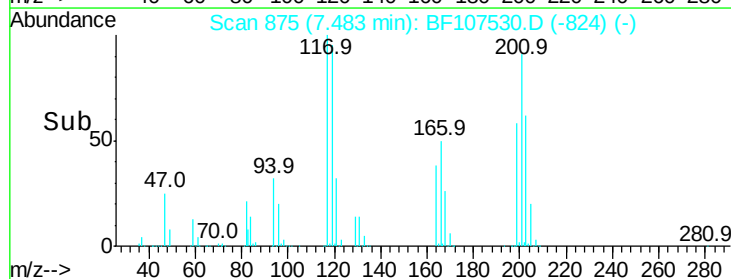
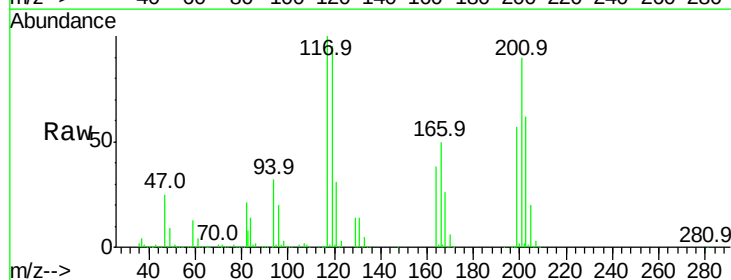
RT: 7.48 min Scan# 875

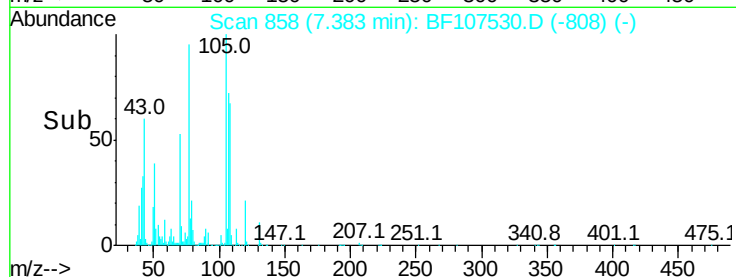
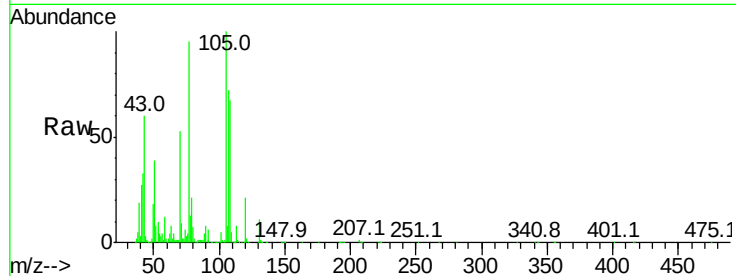
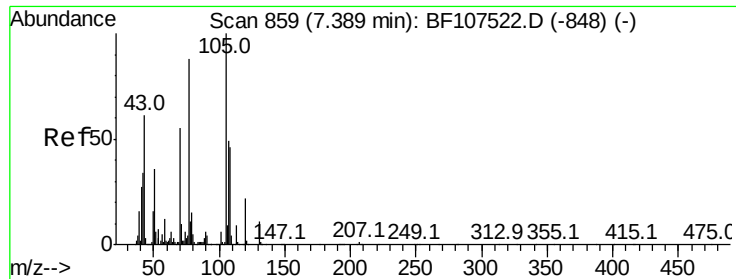
Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 75.8  | 113.8 |
| 201     | 90.2  | 75.7  | 113.5 |





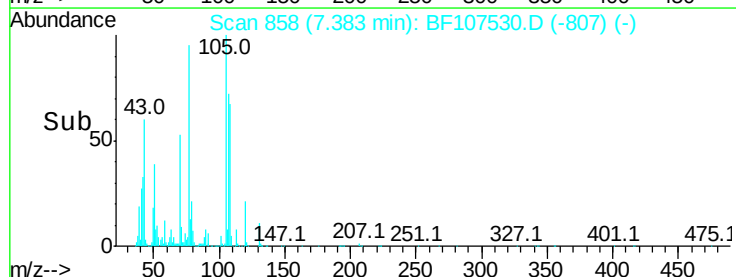
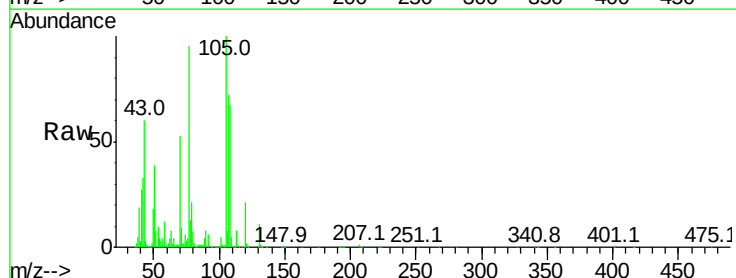
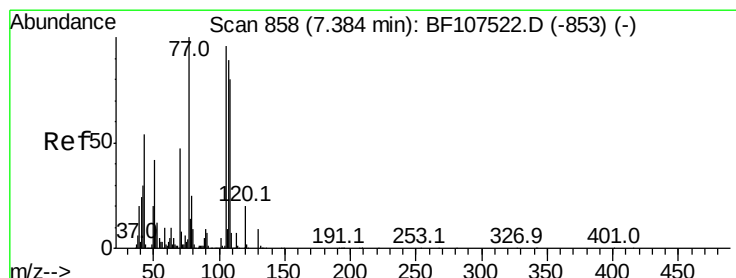
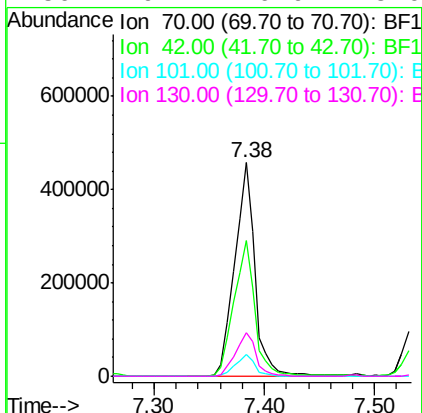
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.943 ng  
RT: 7.38 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 63.4  | 47.5  | 71.3  |
| 101     | 10.0  | 7.4   | 11.2  |
| 130     | 20.4  | 16.6  | 25.0  |

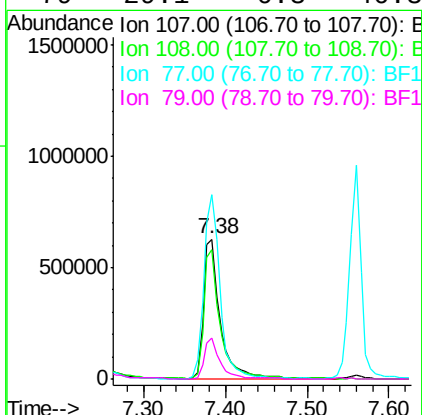
Manual Integrations  
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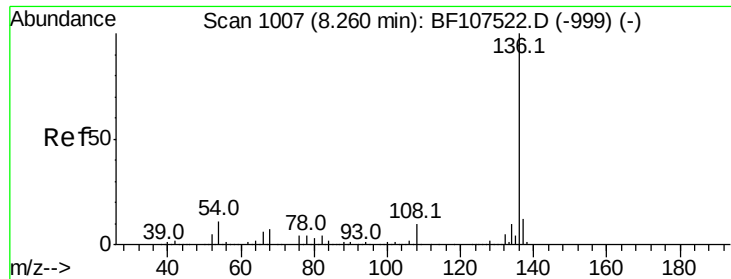
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#20  
3+4-Methylphenols  
Concen: 40.897 ng  
RT: 7.38 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 92.6  | 68.2  | 108.2 |
| 77      | 132.4 | 26.7  | 66.7# |
| 79      | 29.1  | 6.3   | 46.3  |





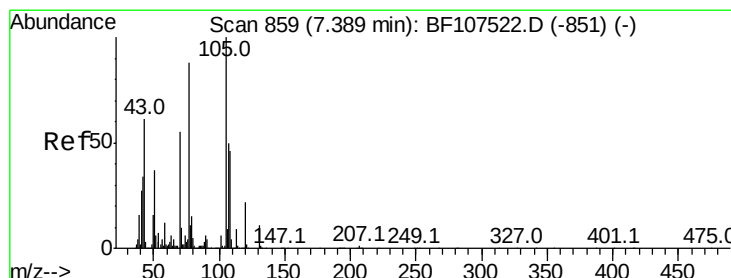
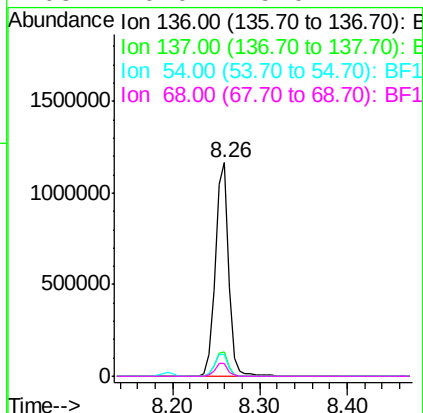
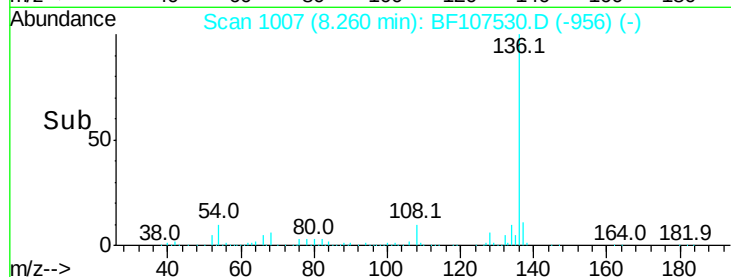
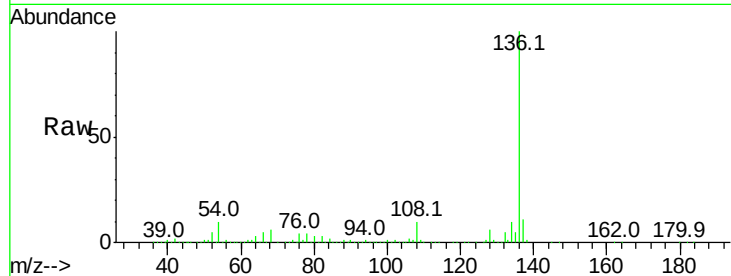
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.3  | 8.9   | 13.3  |
| 54      | 10.0  | 6.6   | 9.8#  |
| 68      | 6.0   | 5.0   | 7.4   |

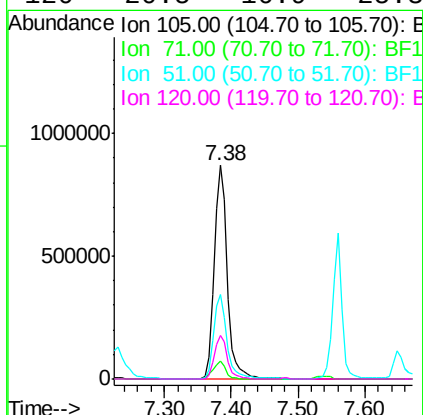
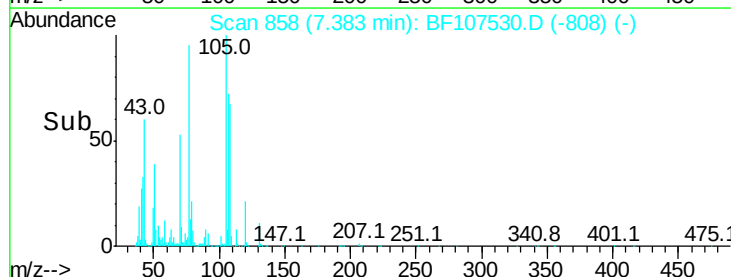
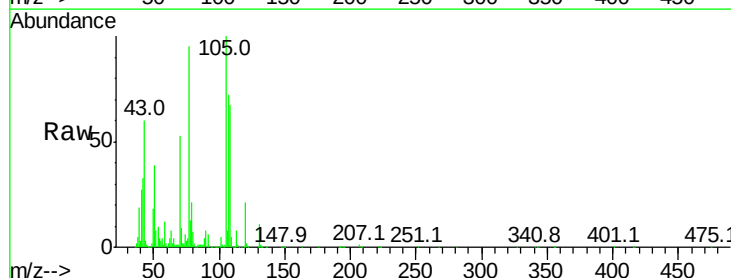
Manual Integrations  
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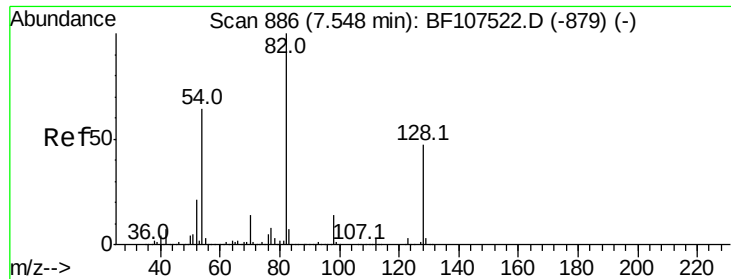
Sohil  
7/23/2018 12:44:34 PM



#22  
Acetophenone  
Concen: 41.669 ng  
RT: 7.38 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 8.6   | 4.4   | 6.6#  |
| 51      | 39.4  | 22.3  | 33.5# |
| 120     | 20.5  | 16.9  | 25.3  |





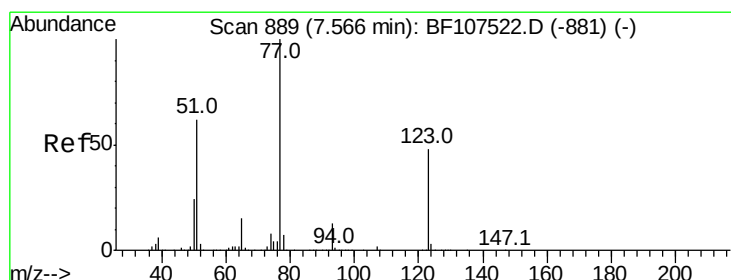
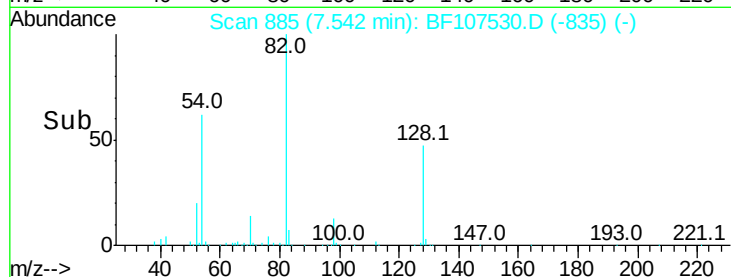
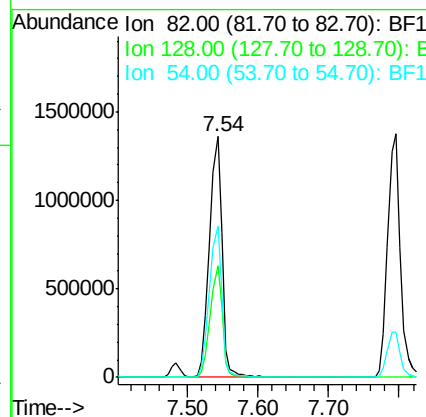
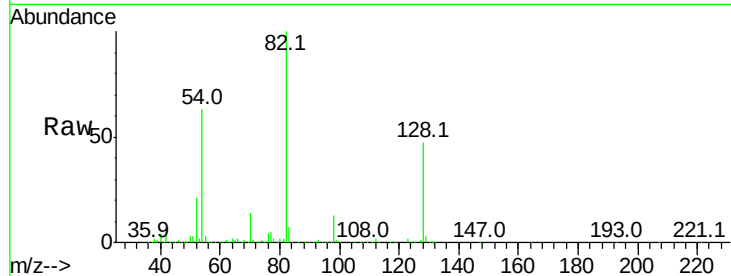
#23  
Nitrobenzene-d5  
Concen: 93.283 ng  
RT: 7.54 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

Tot Ion: 82 Resp: 1705658  
Ion Ratio Lower Upper  
82 100  
128 46.7 36.1 54.1  
54 62.8 41.4 62.2#

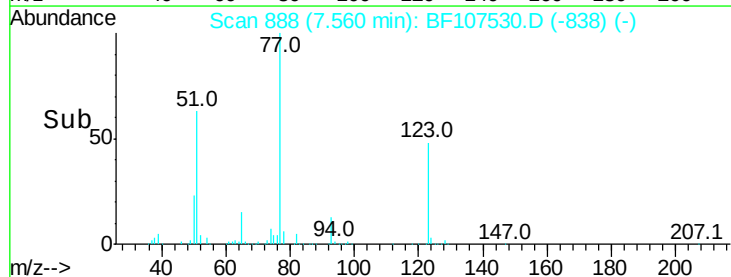
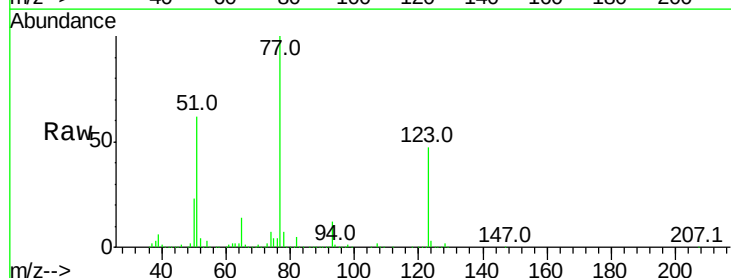
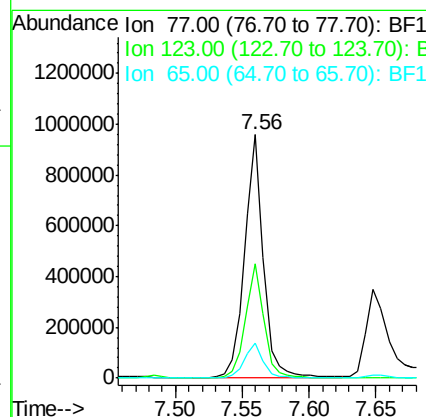
Manual Integrations  
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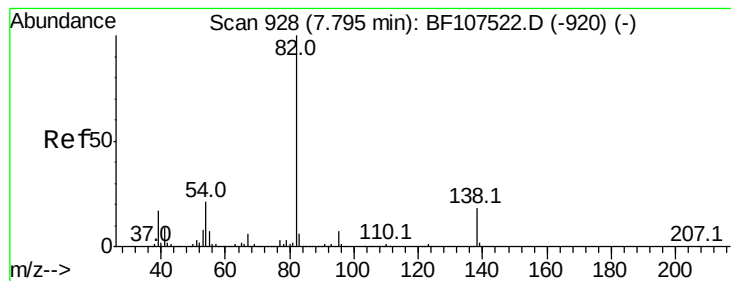


#24  
Nitrobenzene  
Concen: 44.730 ng  
RT: 7.56 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Tgt Ion: 77 Resp: 936774  
Ion Ratio Lower Upper  
77 100  
123 47.2 37.9 56.9  
65 14.4 11.0 16.4







#25

Isophorone

Concen: 44.583 ng

RT: 7.80 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion: 82 Resp: 1740548

Ion Ratio Lower Upper

82 100

95 7.3 5.2 7.8

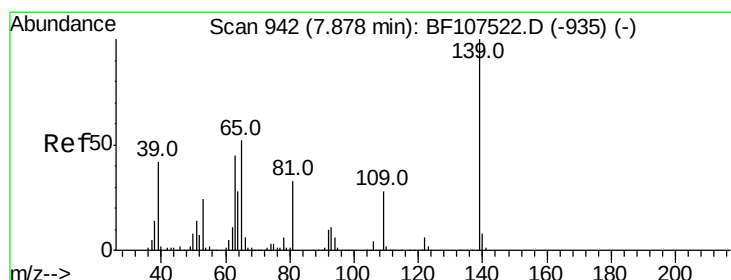
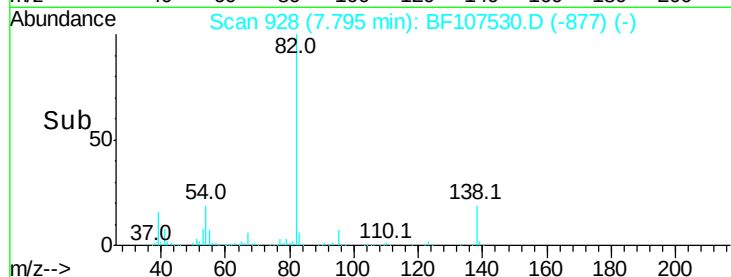
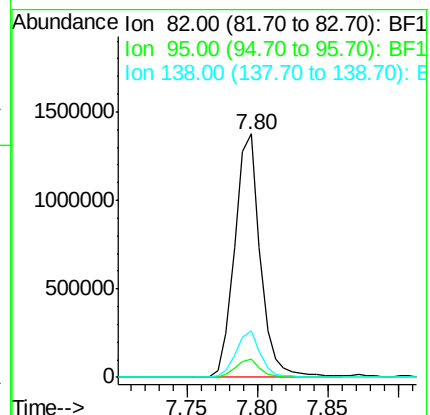
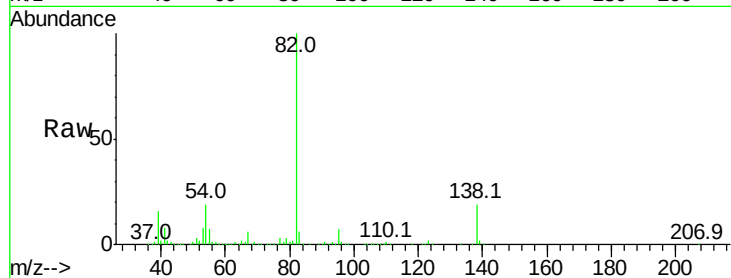
138 19.1 14.9 22.3

Manual Integrations

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Sohil

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#26

2-Nitrophenol

Concen: 52.737 ng

RT: 7.87 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

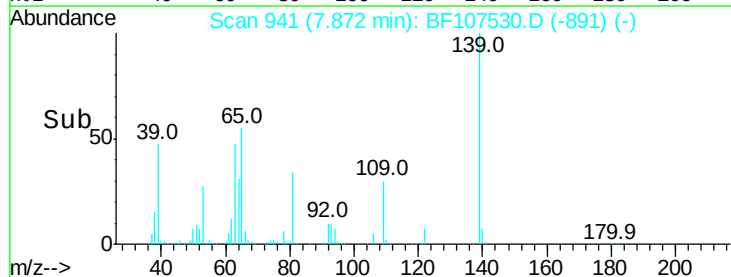
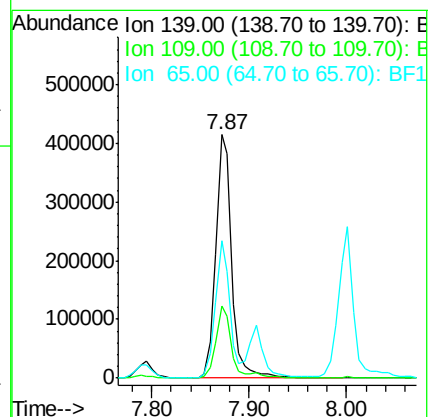
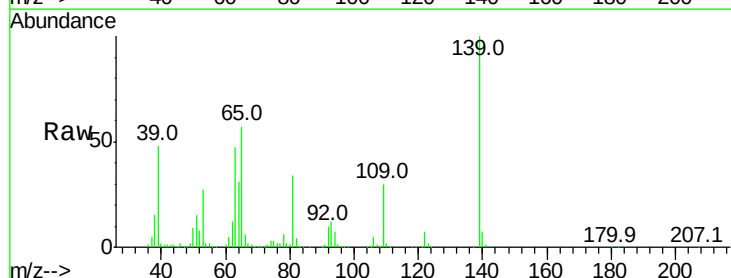
Tgt Ion: 139 Resp: 466401

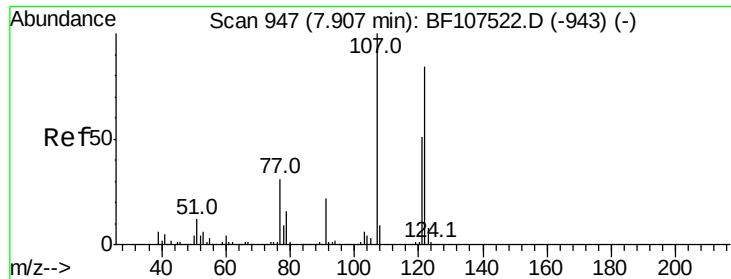
Ion Ratio Lower Upper

139 100

109 29.6 22.7 34.1

65 56.6 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 48.469 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

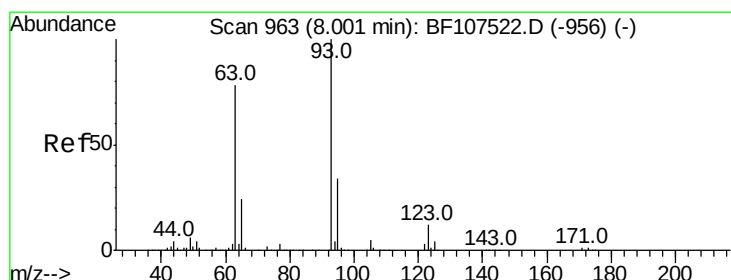
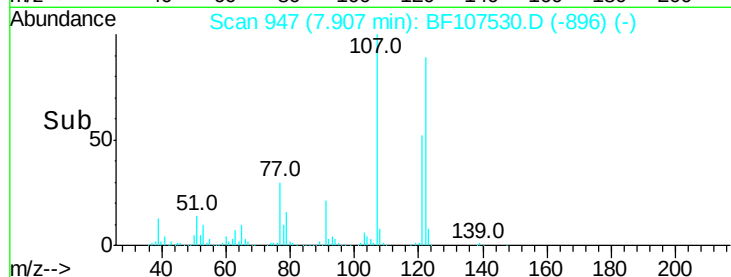
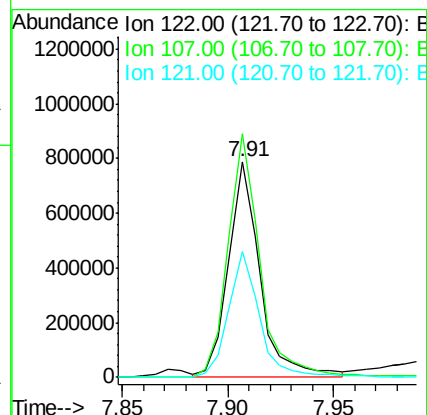
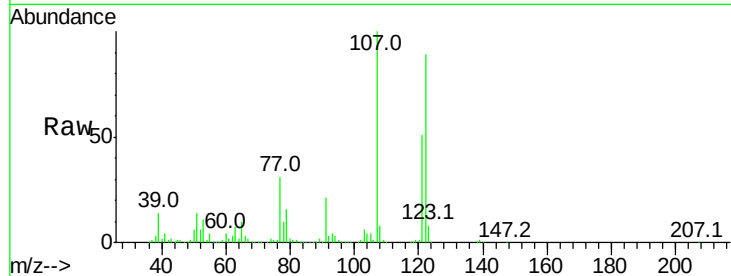
ClientSampleId :

PB111220BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 122   | Resp: | 811401 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 113.0 | 91.2  | 136.8  |
| 121      | 58.2  | 47.2  | 70.8   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 42.699 ng

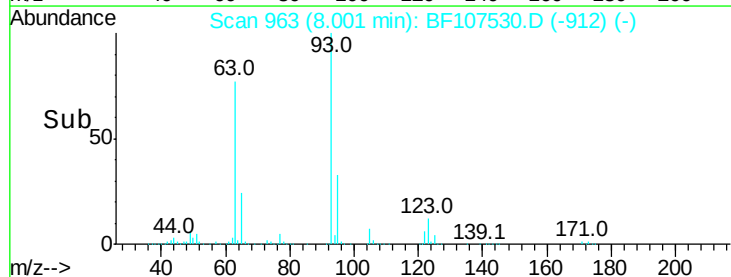
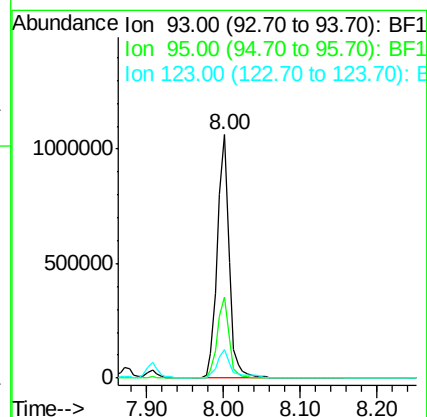
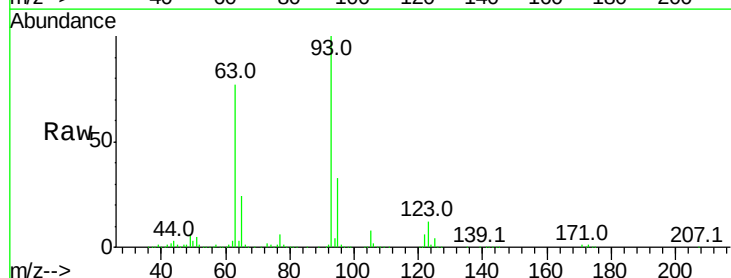
RT: 8.00 min Scan# 963

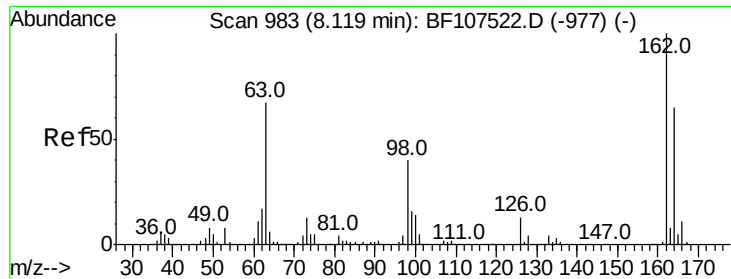
Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 93    | Resp: | 1114052 |
| Ion      | Ratio | Lower | Upper   |
| 93       | 100   |       |         |
| 95       | 33.5  | 26.3  | 39.5    |
| 123      | 12.0  | 9.8   | 14.6    |





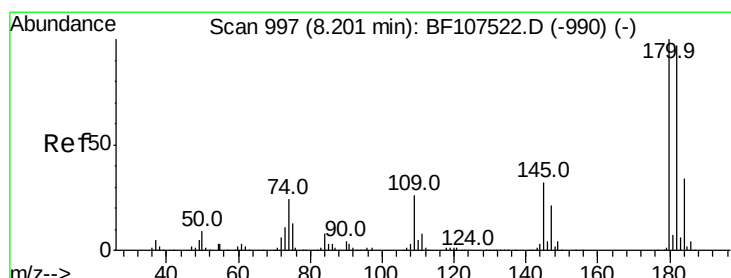
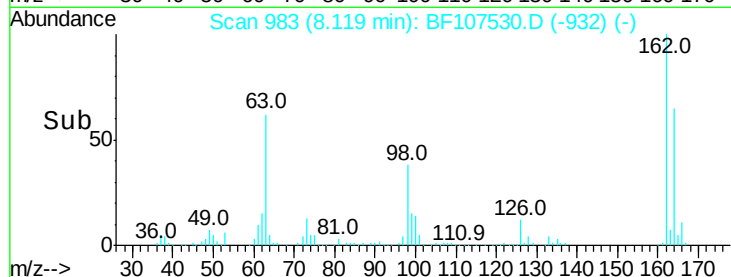
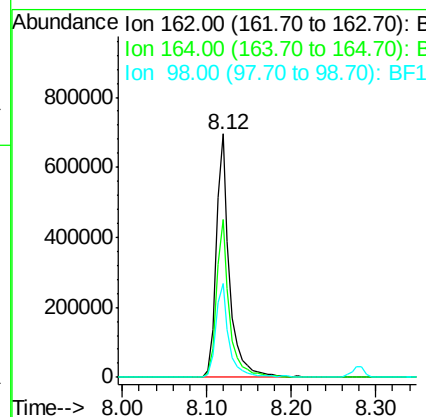
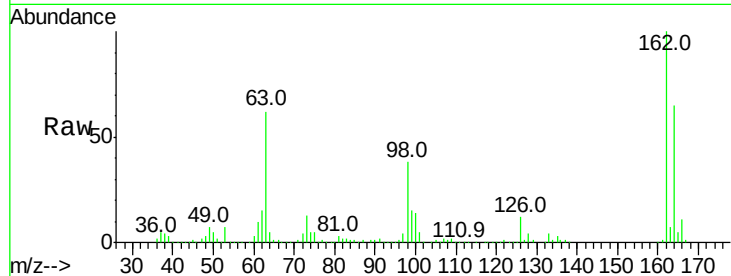
#29  
 2,4-Dichlorophenol  
 Concen: 45.183 ng  
 RT: 8.12 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 773111 |       |       |
| 164     | 64.6  | 42.7   | 82.7  |       |
| 98      | 38.4  | 18.1   | 58.1  |       |

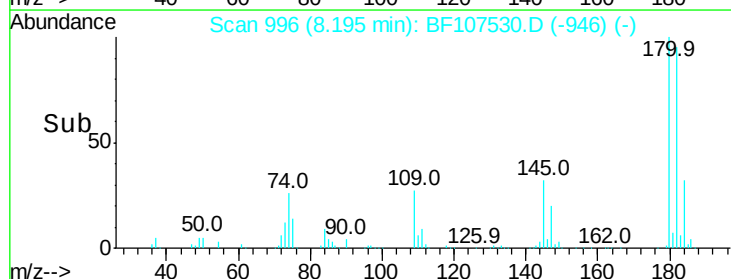
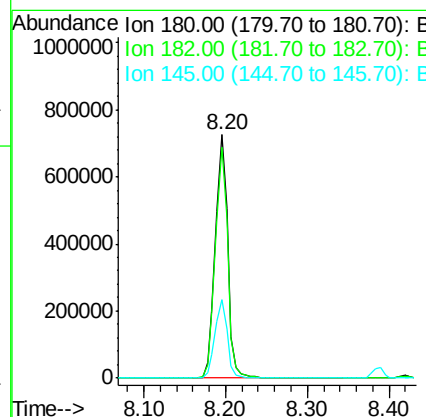
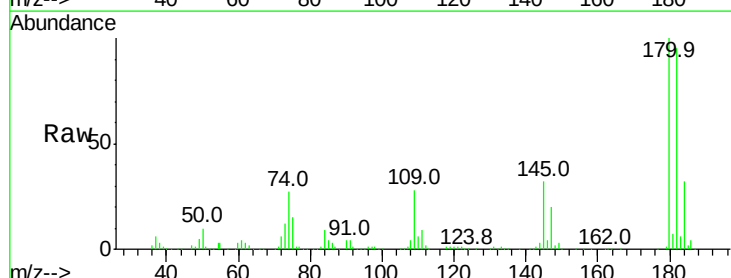
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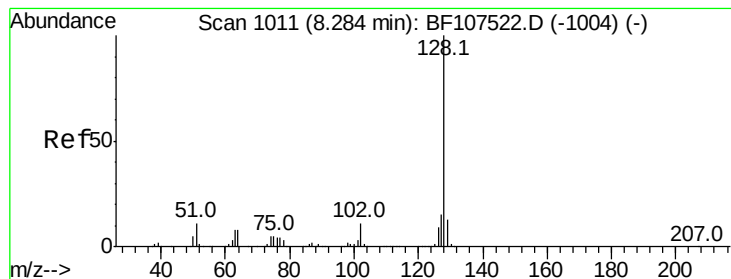
Sohil  
 7/23/2018 12:44:34 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.114 ng  
 RT: 8.20 min Scan# 996  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 770905 |       |       |
| 182     | 94.7  | 76.8   | 115.2 |       |
| 145     | 32.1  | 26.5   | 39.7  |       |





#31

Naphthalene

Concen: 44.288 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:128 Resp: 2403227

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

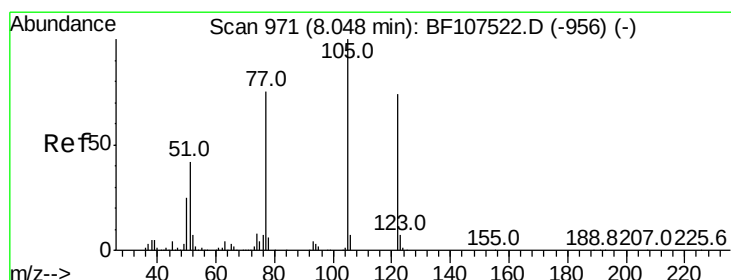
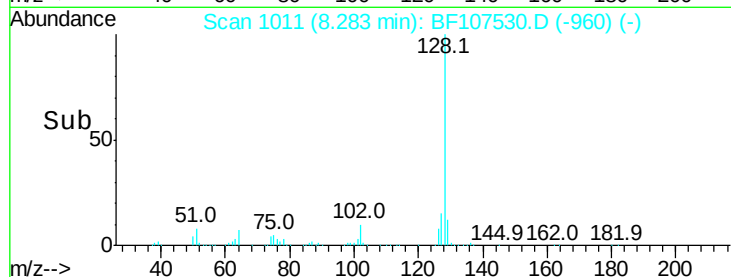
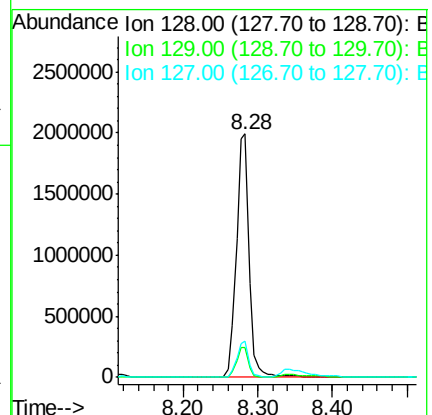
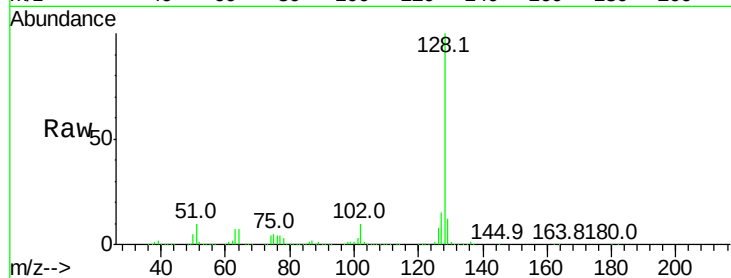
127 14.7 10.9 16.3

Manual Integrations

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#32

Benzoic acid

Concen: 44.758 ng

RT: 8.04 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

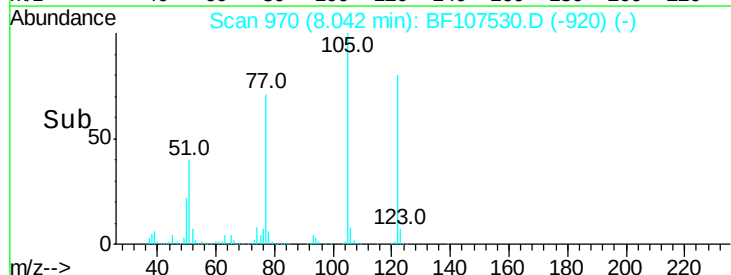
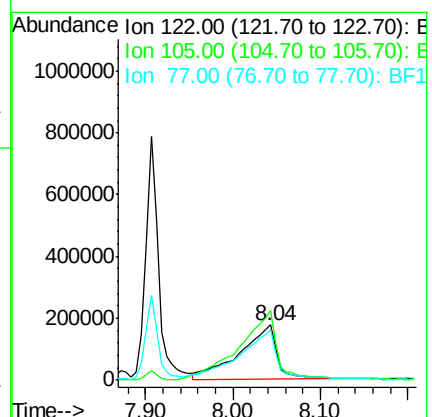
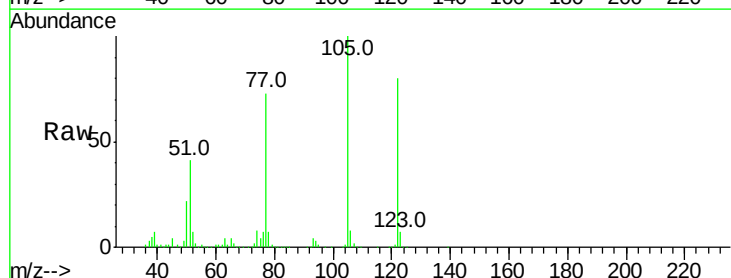
Tgt Ion:122 Resp: 515630

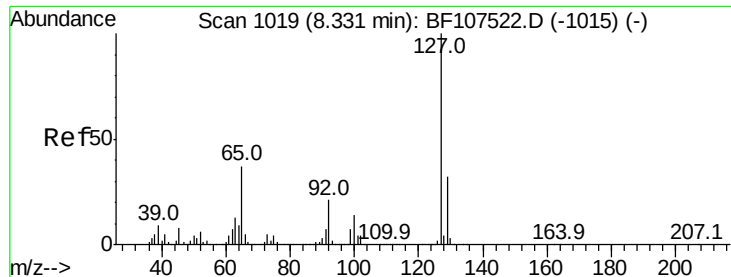
Ion Ratio Lower Upper

122 100

105 125.7 101.1 141.1

77 91.6 70.7 110.7





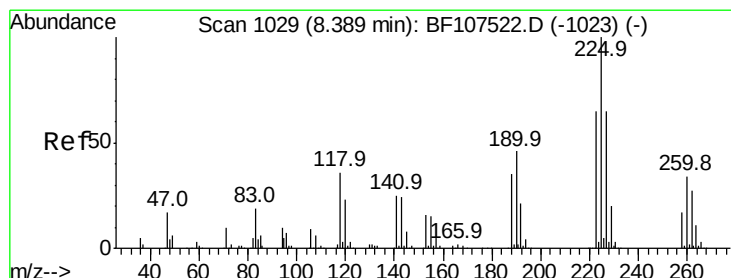
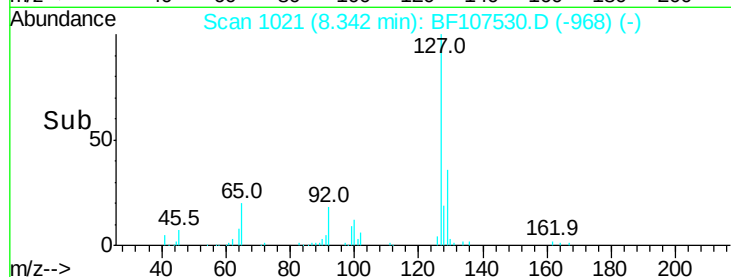
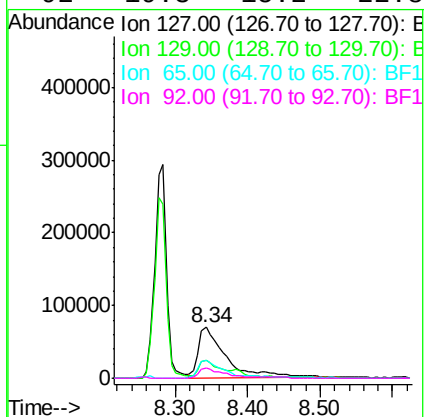
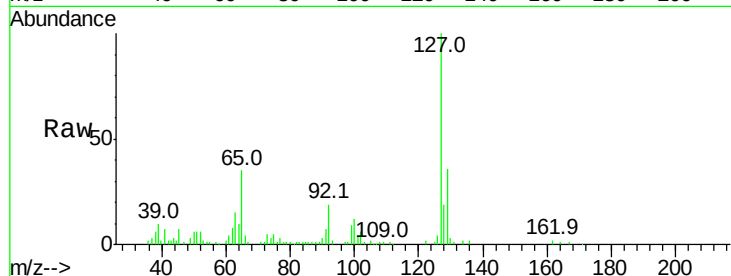
#33  
4-Chloroaniline  
Concen: 7.935 ng  
RT: 8.34 min Scan# 1021  
Delta R.T. 0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 36.2  | 25.9 | 38.9  |       |
| 65      | 35.4  | 25.0 | 37.4  |       |
| 92      | 19.3  | 15.2 | 22.8  |       |

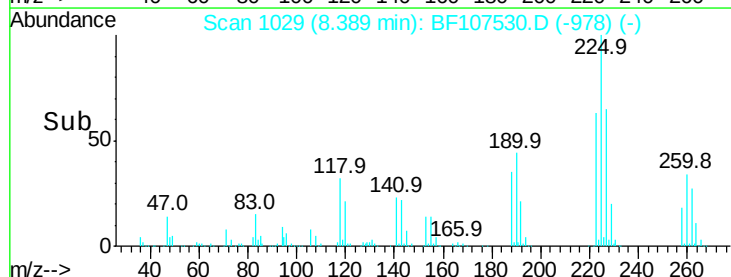
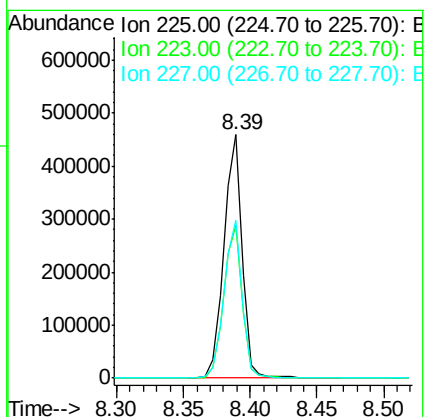
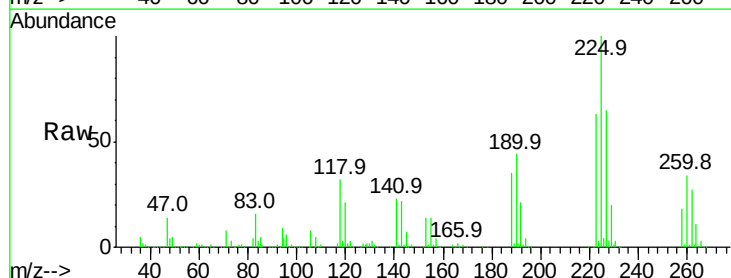
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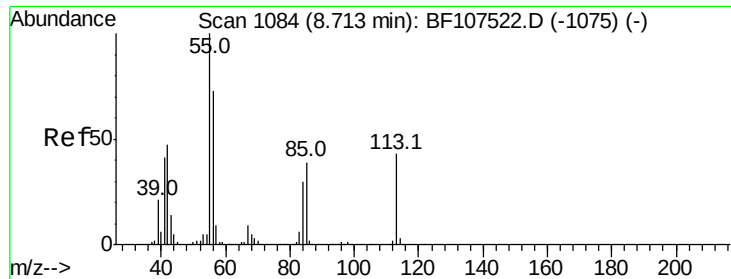
Sohil  
7/23/2018 12:44:34 PM



#34  
Hexachlorobutadiene  
Concen: 39.018 ng  
RT: 8.39 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.0  | 50.6 | 76.0  |       |
| 227     | 64.8  | 51.9 | 77.9  |       |





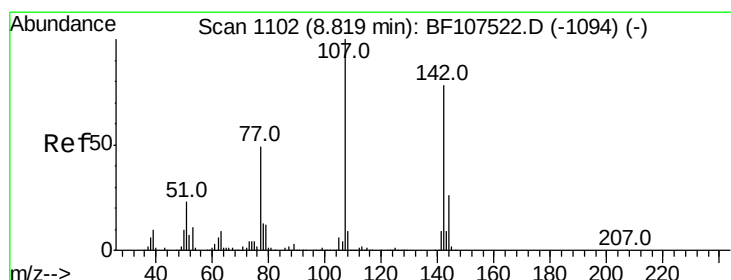
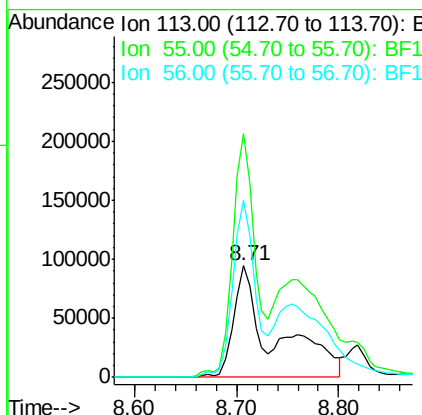
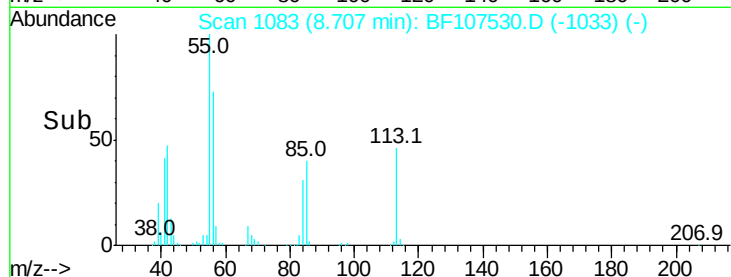
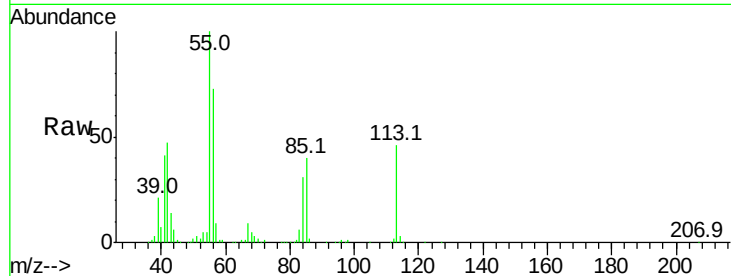
#35  
 Caprolactam  
 Concen: 46.329 ng/ml  
 RT: 8.71 min Scan# 1083  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB111220BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 218.2 | 163.3 | 203.3# |
| 56      | 159.0 | 115.7 | 155.7# |

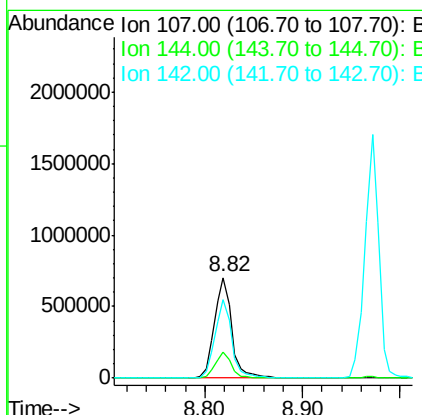
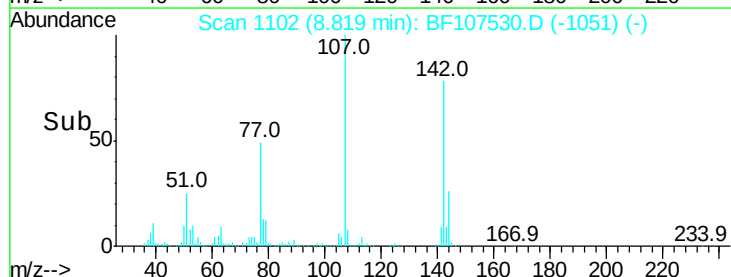
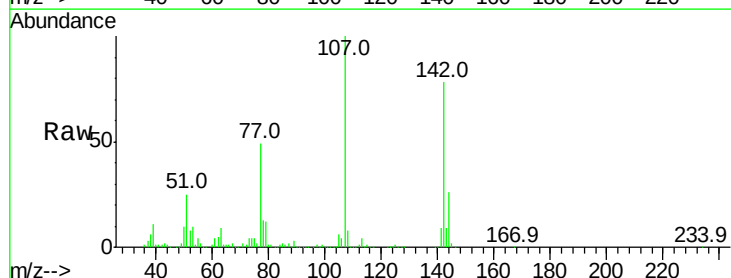
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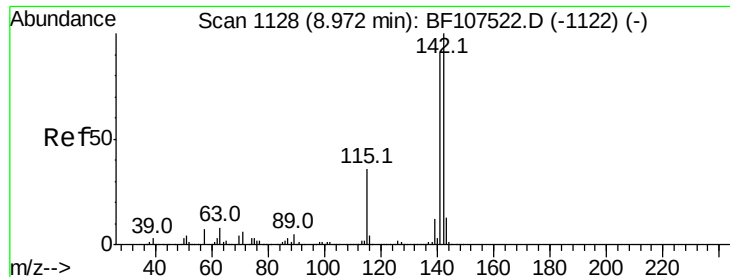
Sohil  
 7/23/2018 12:44:34 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.709 ng/ml  
 RT: 8.82 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.1  | 20.5  | 30.7  |
| 142     | 78.5  | 62.0  | 93.0  |





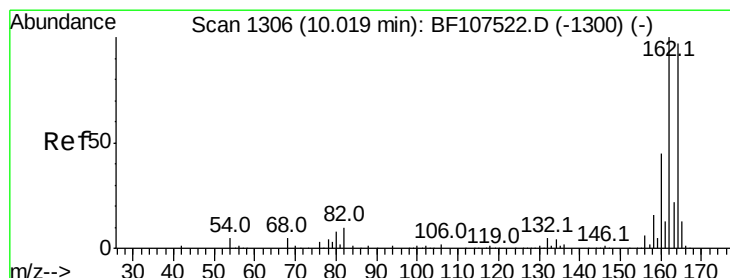
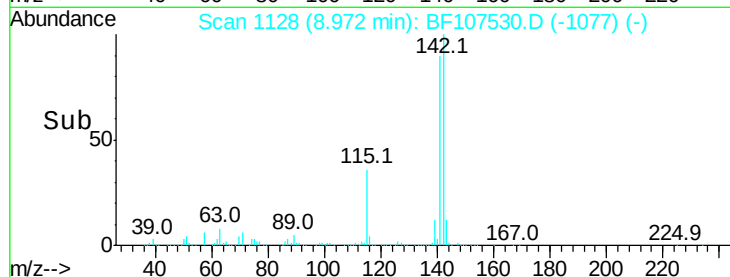
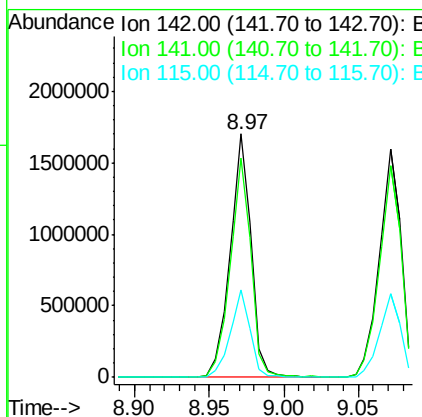
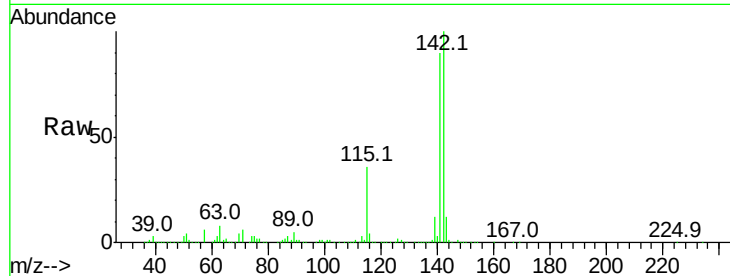
#37  
2-Methylnaphthalene  
Concen: 45.094 ng  
RT: 8.97 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.1  | 70.8  | 106.2 |
| 115     | 35.7  | 26.1  | 39.1  |

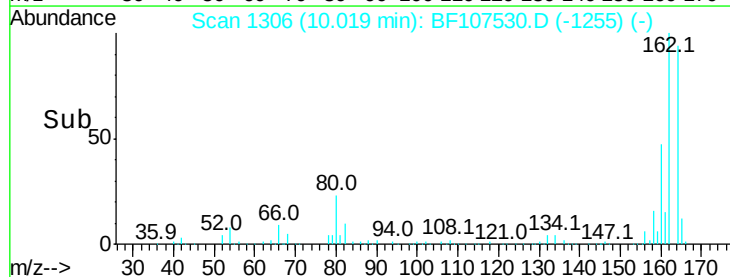
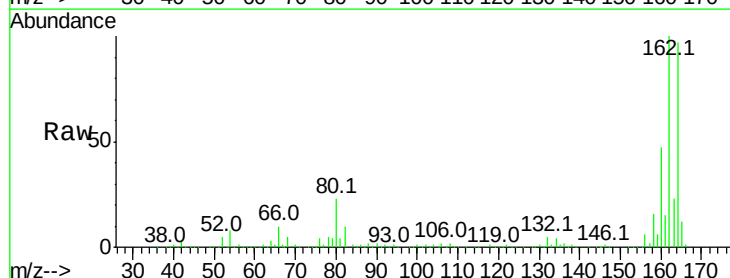
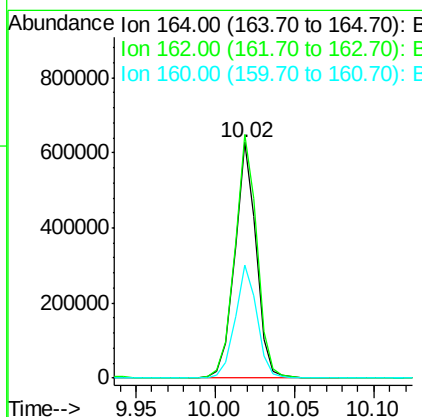
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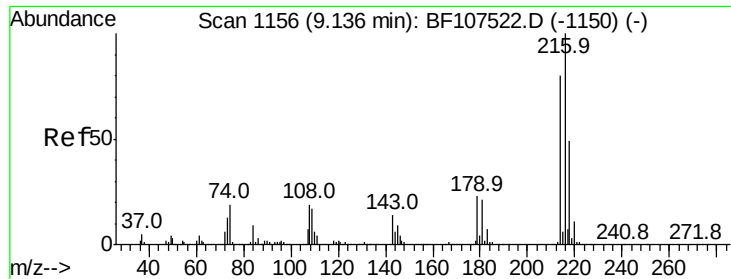
Sohil  
7/23/2018 12:44:34 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.3 | 86.1  | 129.1 |
| 160     | 48.1  | 38.3  | 57.5  |





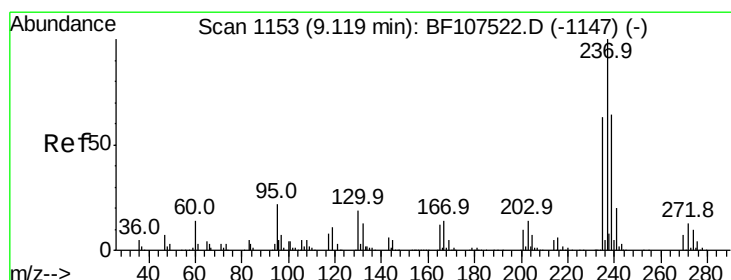
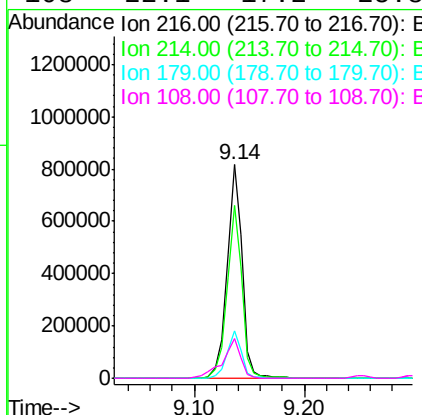
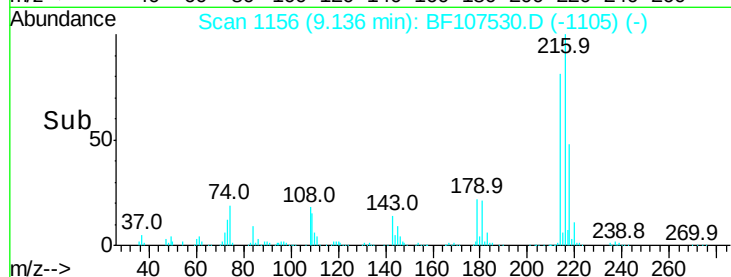
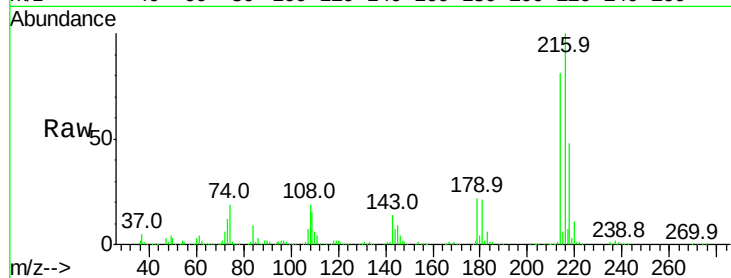
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.733 ng  
 RT: 9.14 min Scan# 1156  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 778424 |       |       |
| 214     | 80.3  | 63.0   | 94.4  |       |
| 179     | 21.5  | 18.1   | 27.1  |       |
| 108     | 22.1  | 17.2   | 25.8  |       |

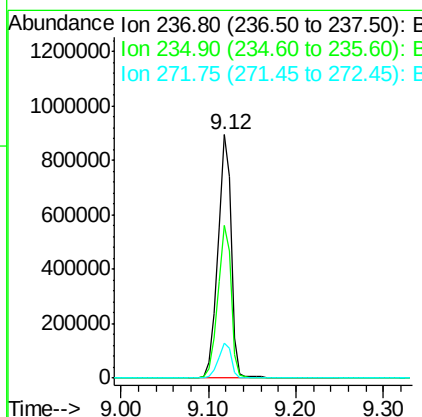
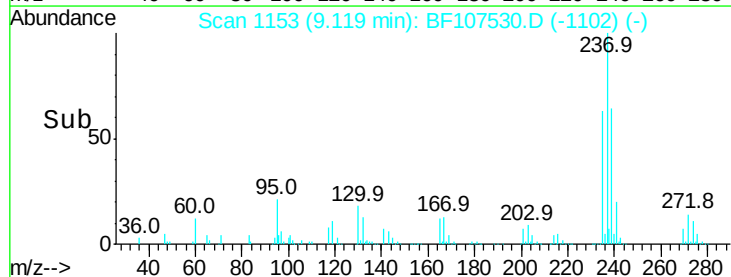
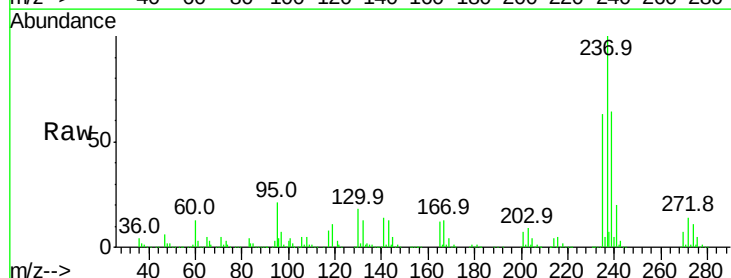
Manual Integrations  
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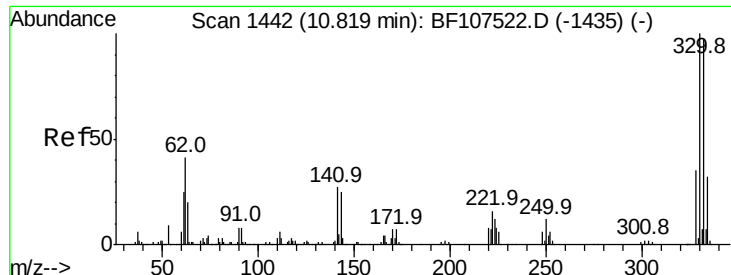


#40  
 Hexachlorocyclopentadiene  
 Concen: 95.058 ng  
 RT: 9.12 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 946688 |       |       |
| 235     | 62.6  | 44.8   | 84.8  |       |
| 272     | 14.2  | 0.0    | 33.3  |       |







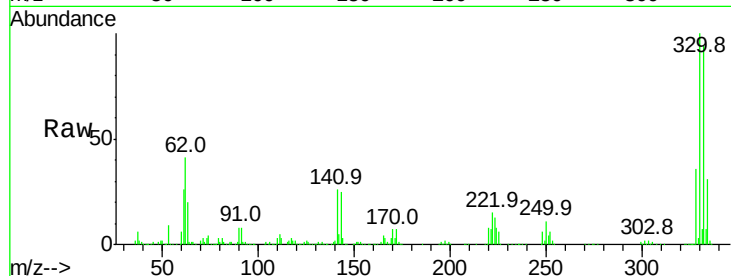
#41  
 2,4,6-Tribromophenol  
 Concen: 130.165 ng  
 RT: 10.82 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

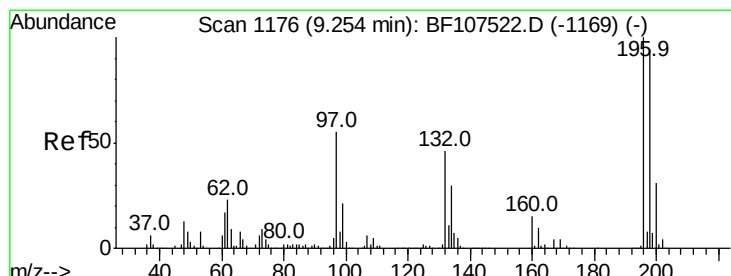
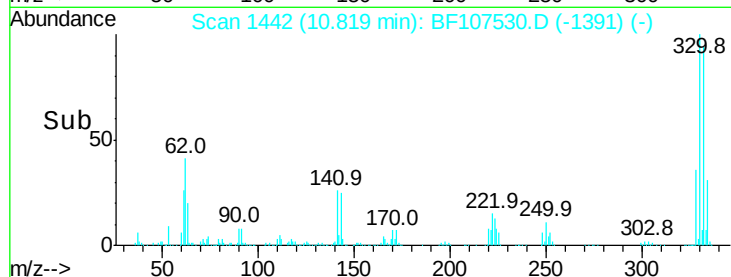
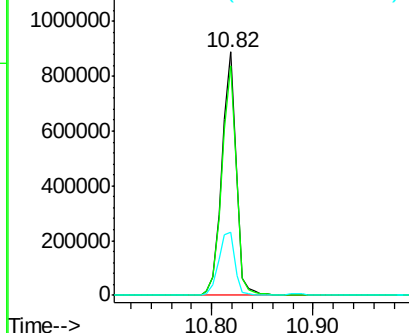
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.2  | 77.0 | 115.6 |       |
| 141     | 29.7  | 29.9 | 44.9# |       |

Manual Integrations  
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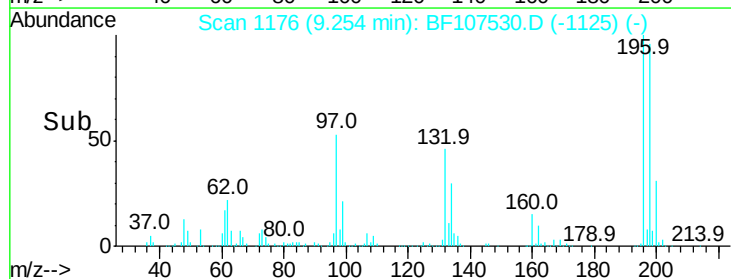
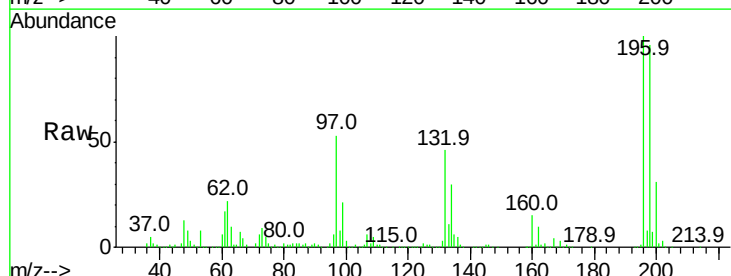
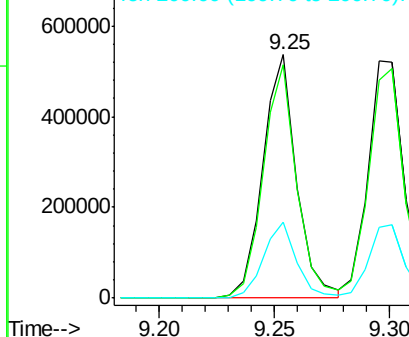
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

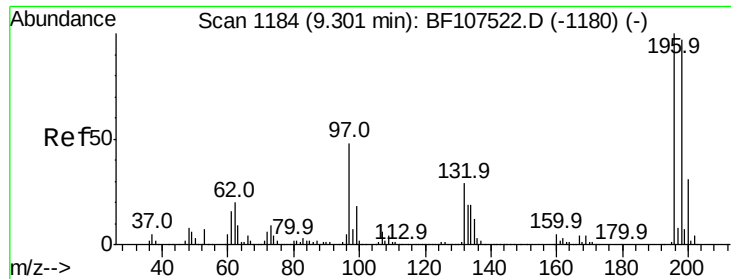


#42  
 2,4,6-Trichlorophenol  
 Concen: 43.470 ng  
 RT: 9.25 min Scan# 1176  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 96.1  | 75.7 | 113.5 |       |
| 200     | 31.1  | 24.5 | 36.7  |       |

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





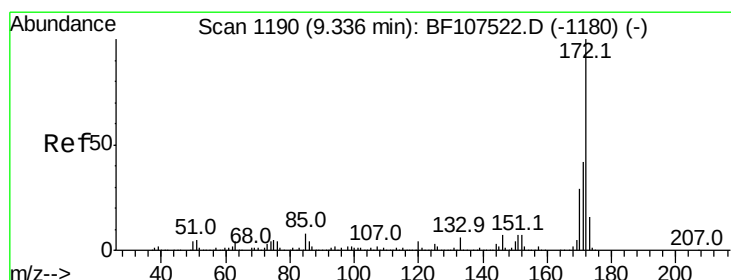
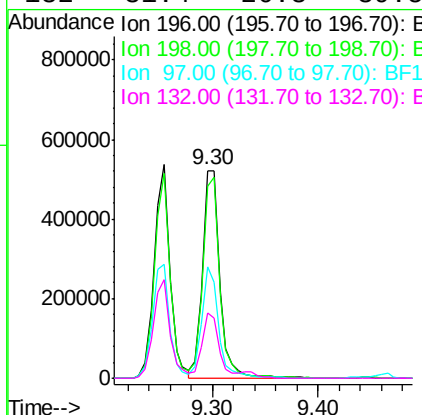
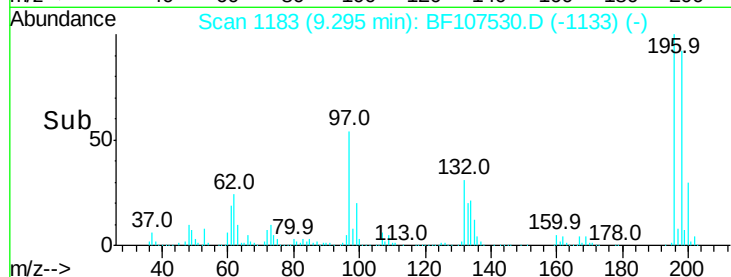
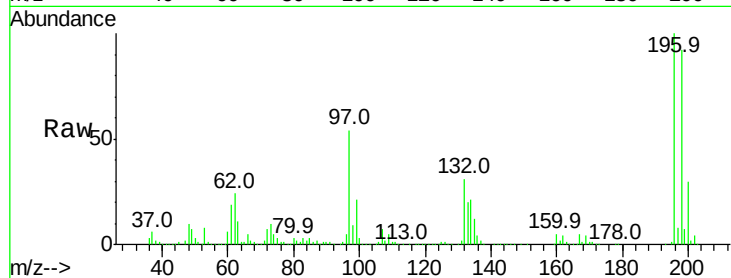
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.131 ng  
 RT: 9.30 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 591494 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 92.3  | 74.6  | 112.0  |
| 97        | 53.8  | 42.9  | 64.3   |
| 132       | 31.4  | 26.3  | 39.5   |

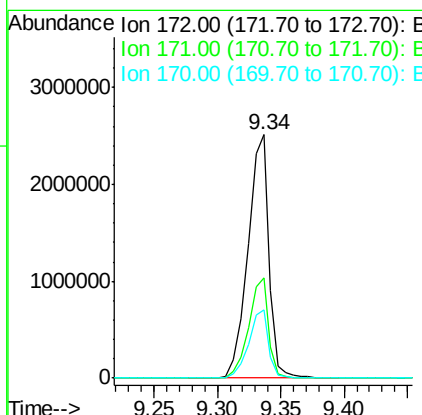
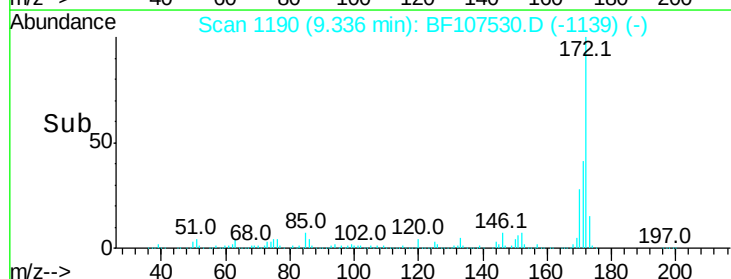
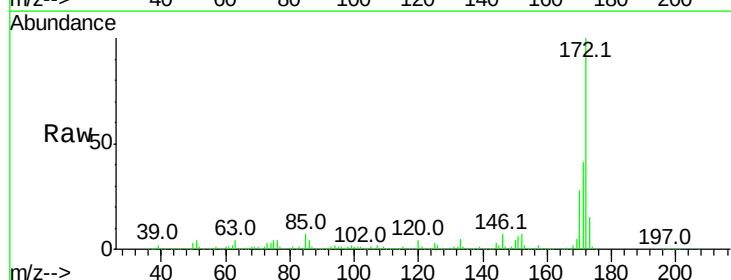
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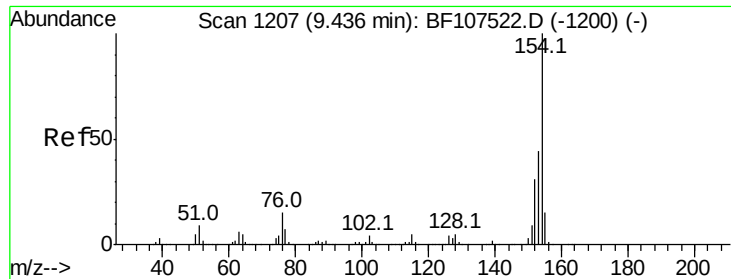
Sohil  
 7/23/2018 12:44:34 PM



#44  
 2-Fluorobiphenyl  
 Concen: 84.683 ng  
 RT: 9.34 min Scan# 1190  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 2907304 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 41.2  | 29.7  | 44.5    |
| 170       | 28.3  | 19.6  | 29.4    |





#45

1,1'-Biphenyl

Concen: 40.112 ng

RT: 9.44 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:154 Resp: 2052396

Ion Ratio Lower Upper

154 100

153 44.0 21.3 61.3

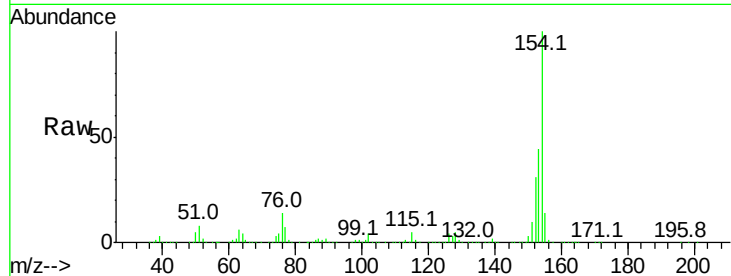
76 14.0 0.0 34.0

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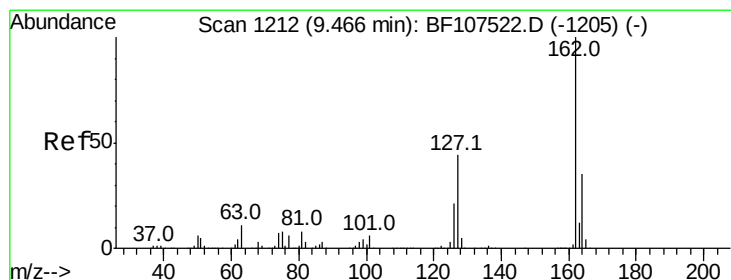
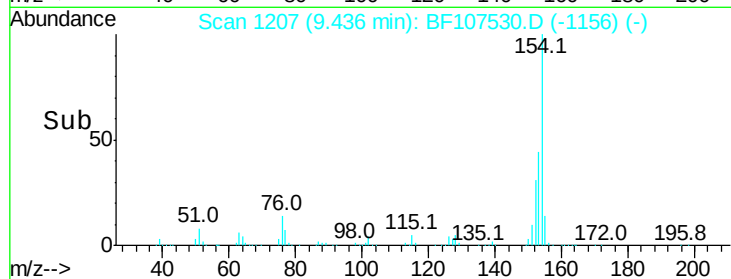
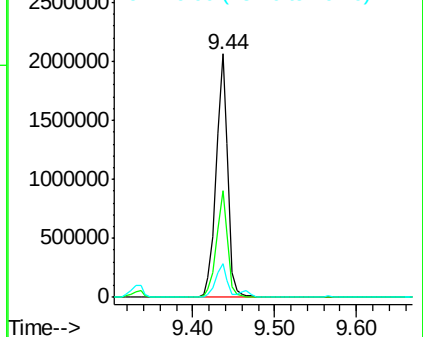
7/23/2018 12:44:34 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 39.906 ng

RT: 9.47 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

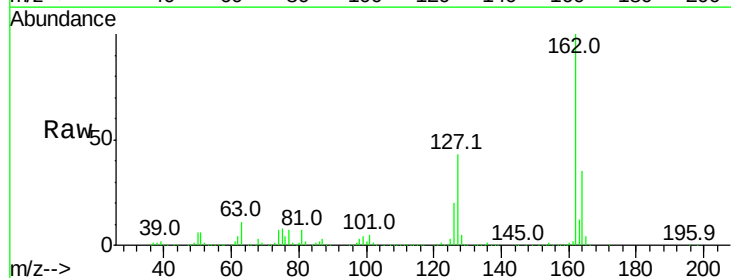
Tgt Ion:162 Resp: 1560740

Ion Ratio Lower Upper

162 100

127 43.4 33.9 50.9

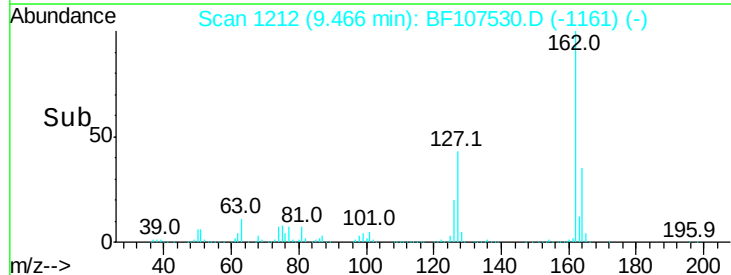
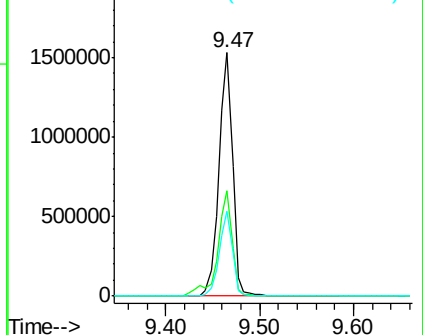
164 34.8 26.5 39.7

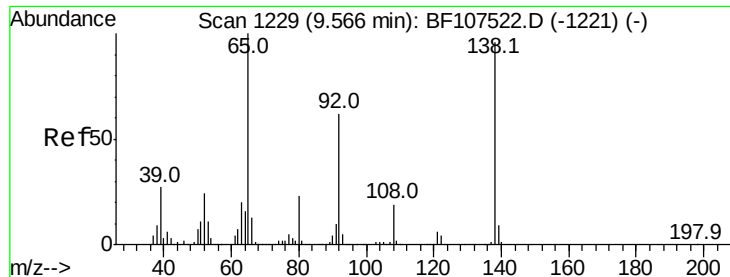


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





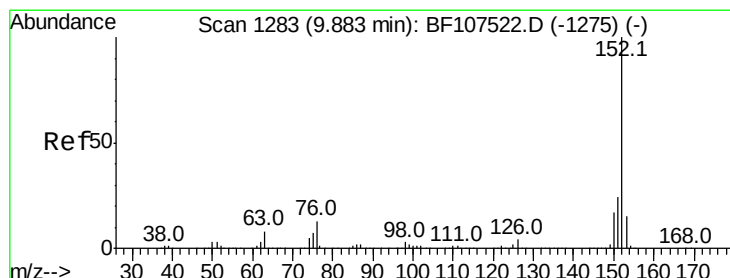
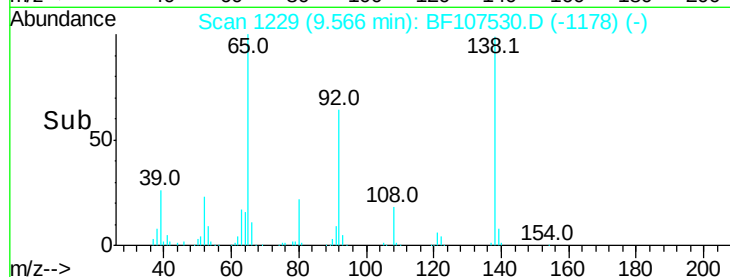
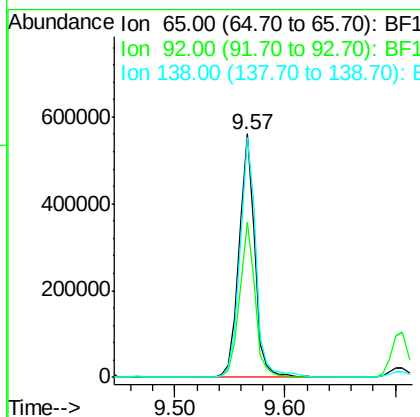
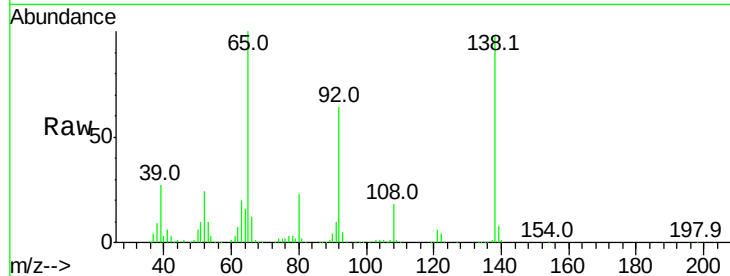
#47  
2-Nitroaniline  
Concen: 49.301 ng  
RT: 9.57 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.9  | 55.8  | 83.6  |
| 138     | 98.4  | 91.2  | 136.8 |

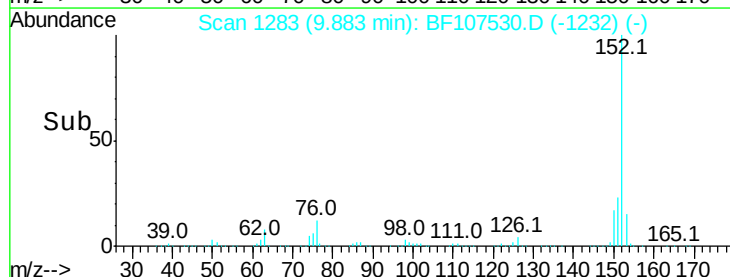
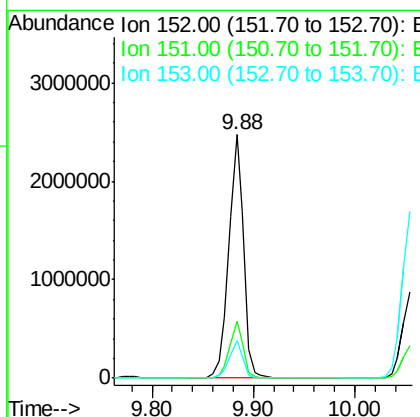
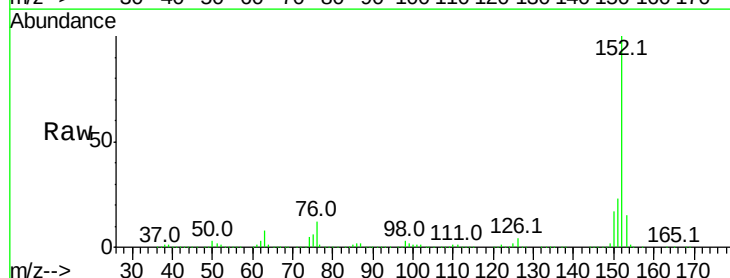
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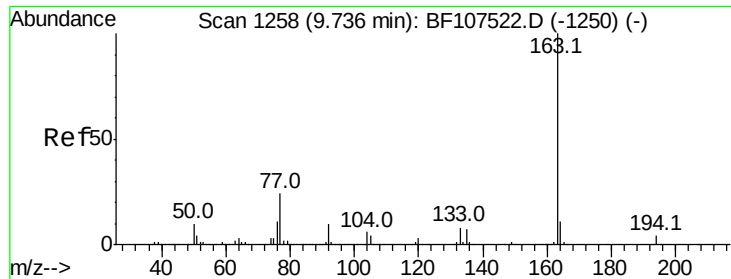
Sohil  
7/23/2018 12:44:34 PM



#48  
Acenaphthylene  
Concen: 42.725 ng  
RT: 9.88 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 23.3  | 16.3  | 24.5  |
| 153     | 15.5  | 10.7  | 16.1  |





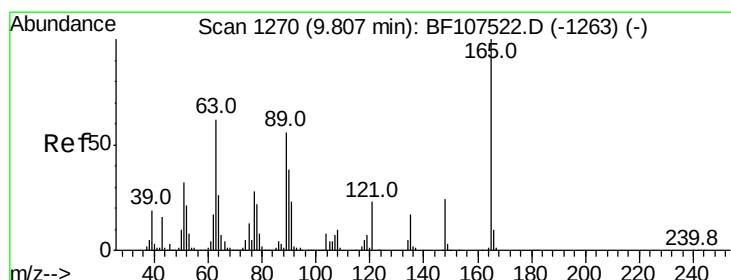
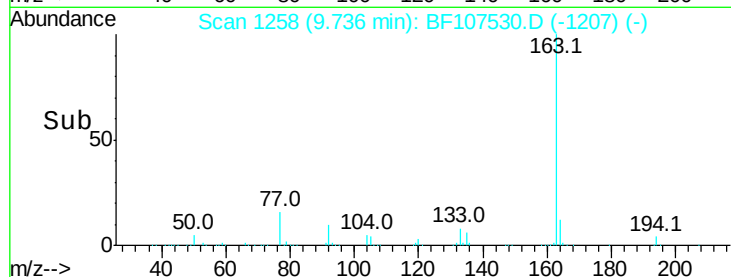
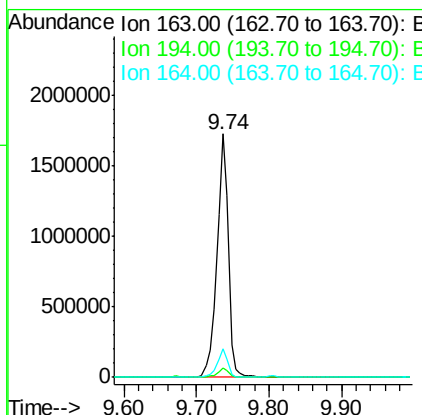
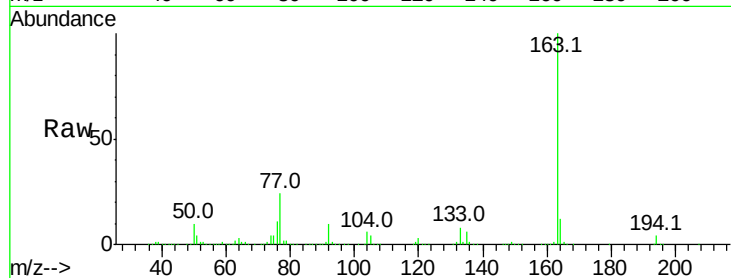
#49  
 Dimethylphthalate  
 Concen: 42.548 ng  
 RT: 9.74 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 163   | Resp: | 1883527 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.0   | 2.7   | 4.1     |
| 164      | 11.6  | 8.2   | 12.2    |

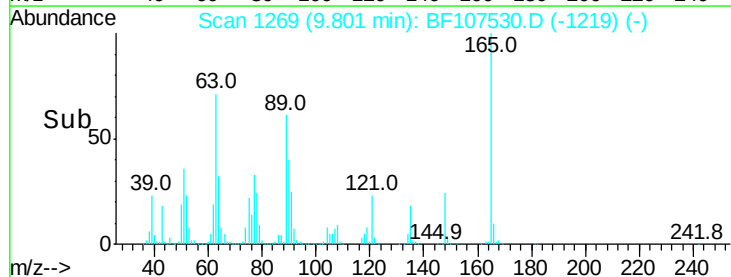
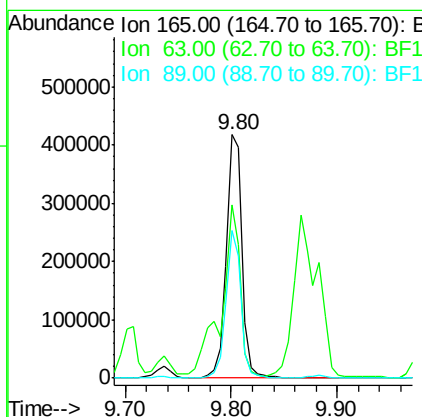
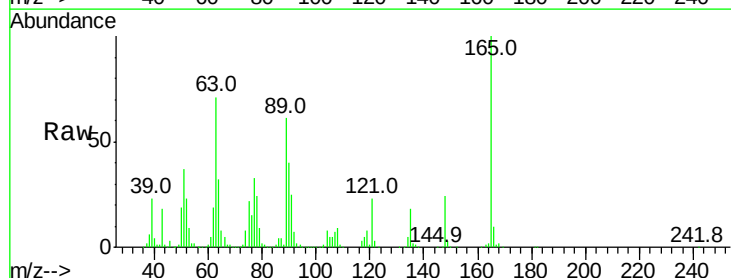
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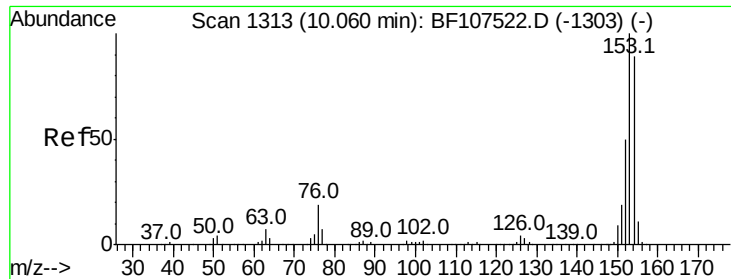
Sohil  
 7/23/2018 12:44:34 PM



#50  
 2,6-Dinitrotoluene  
 Concen: 48.821 ng  
 RT: 9.80 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 429087 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 71.2  | 44.7  | 67.1#  |
| 89       | 60.6  | 44.0  | 66.0   |





#51

Acenaphthene

Concen: 40.121 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:154 Resp: 1476882

Ion Ratio Lower Upper

154 100

153 110.9 91.2 136.8

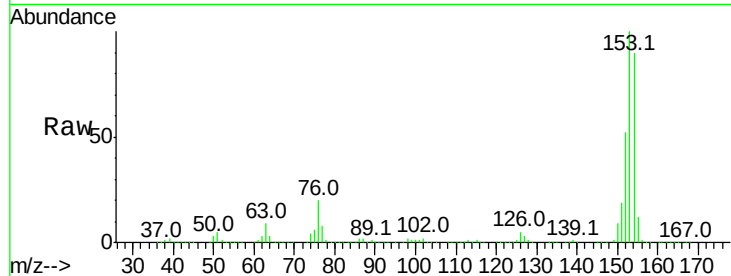
152 57.2 43.8 65.8

Manual Integrations

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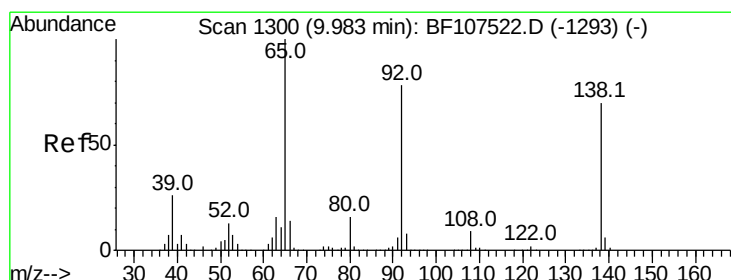
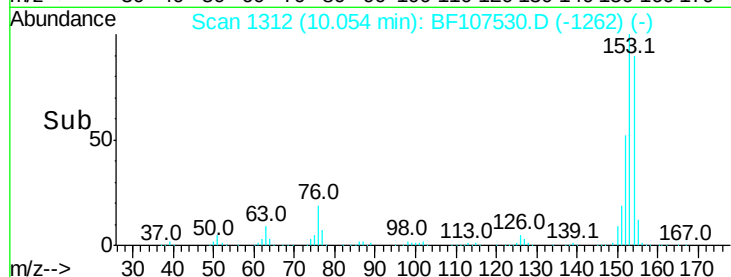
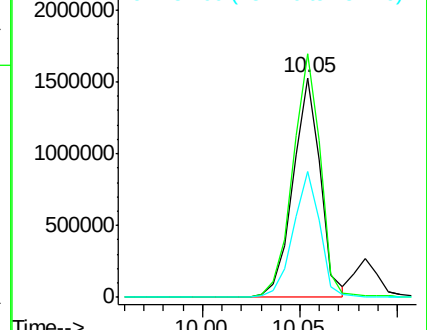
7/23/2018 12:44:34 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.656 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

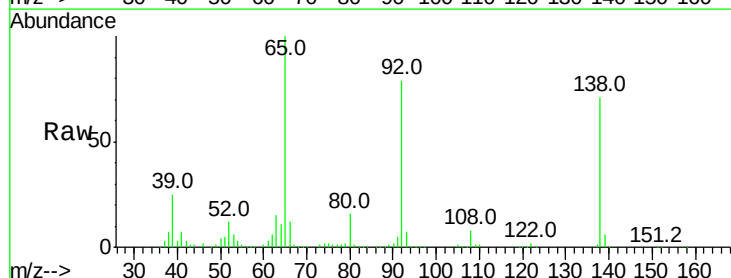
Tgt Ion:138 Resp: 220861

Ion Ratio Lower Upper

138 100

108 11.5 9.4 14.0

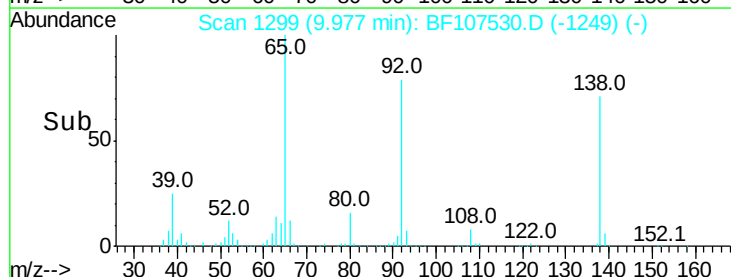
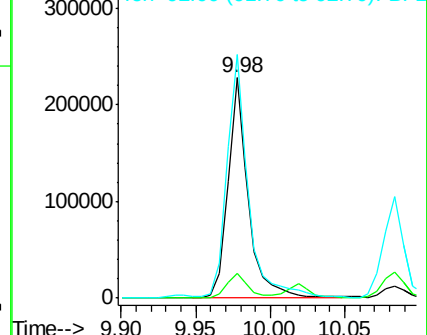
92 110.6 89.4 134.2

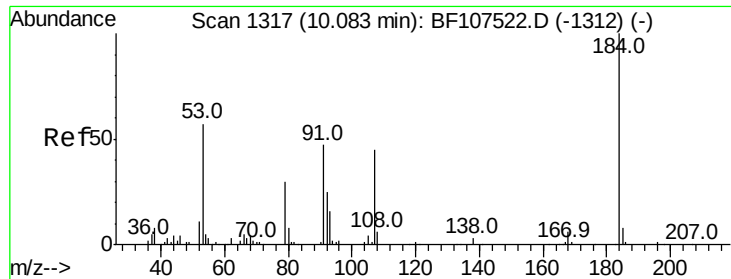


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





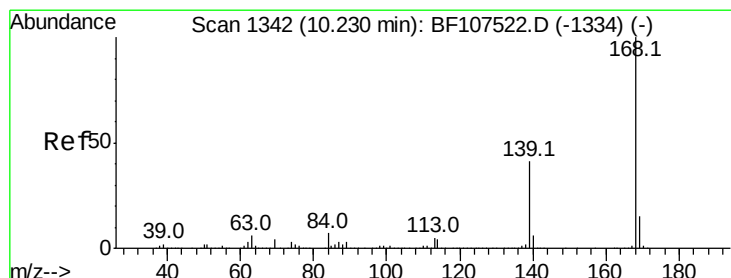
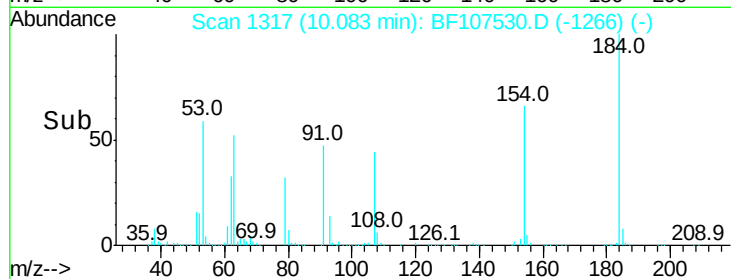
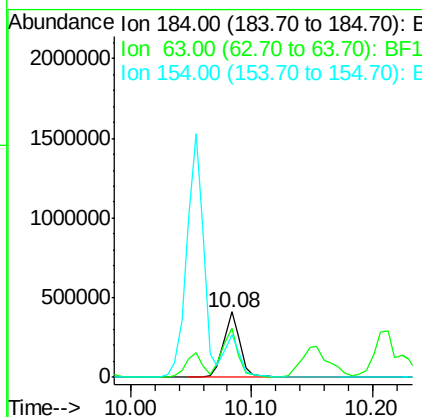
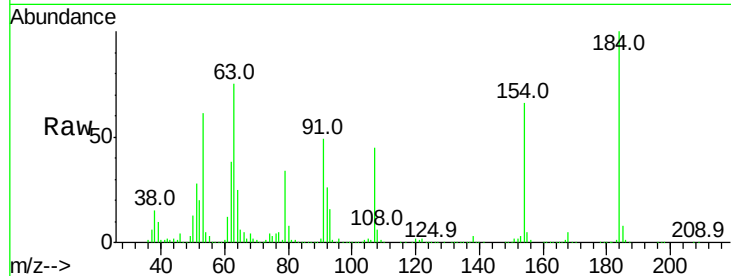
#53  
 2,4-Dinitrophenol  
 Concen: 89.757 ng  
 RT: 10.08 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 75.3  | 54.2  | 81.2   |
| 154     | 65.7  | 184.0 | 276.0# |

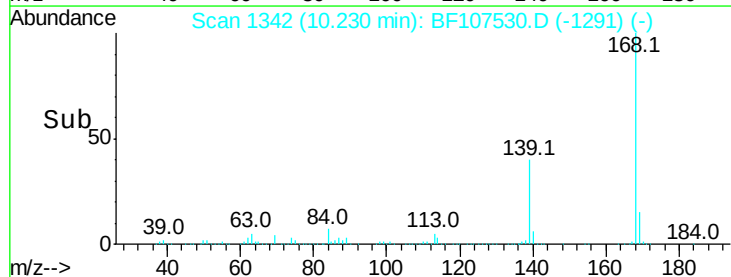
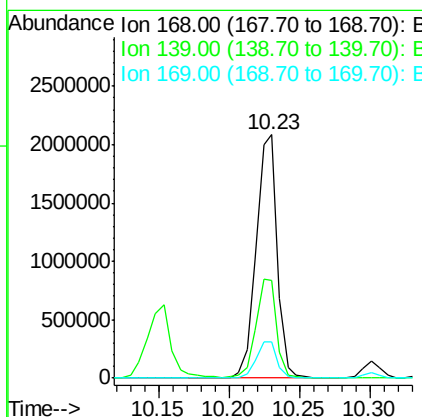
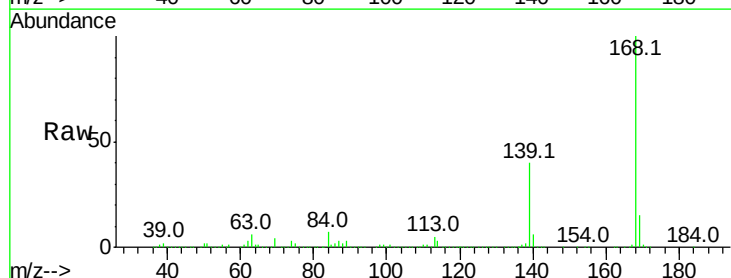
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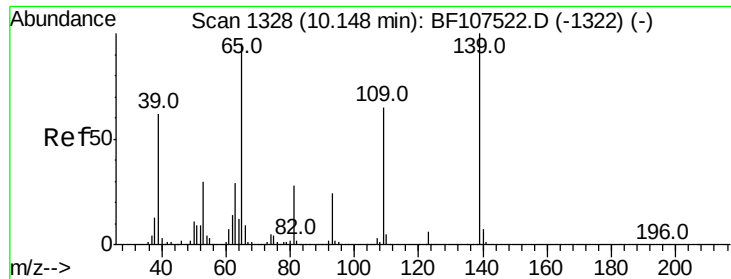
Sohil  
 7/23/2018 12:44:34 PM



#54  
 Dibenzofuran  
 Concen: 40.520 ng  
 RT: 10.23 min Scan# 1342  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.2  | 30.1  | 45.1  |
| 169     | 15.0  | 10.9  | 16.3  |





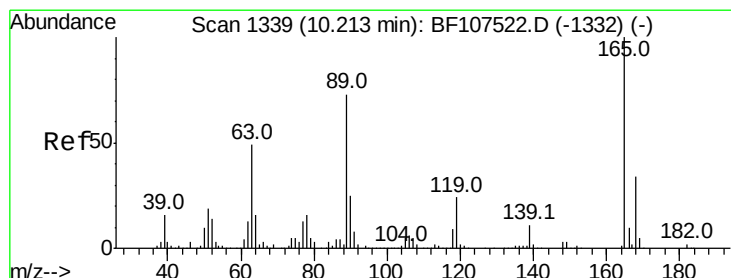
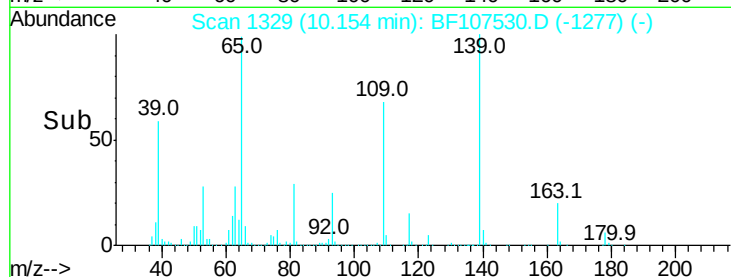
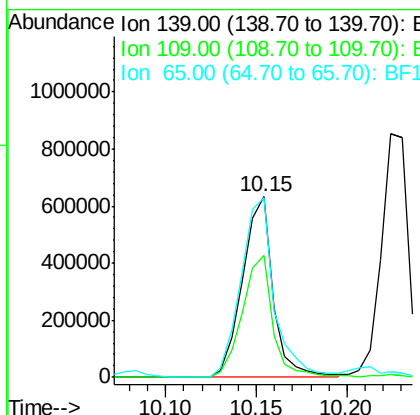
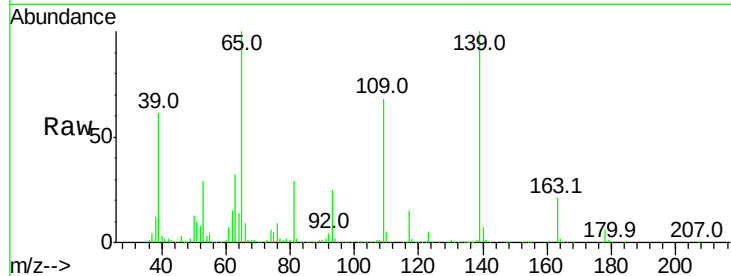
#55  
4-Nitrophenol  
Concen: 92.691 ng  
RT: 10.15 min Scan# 1329  
Delta R.T. 0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampled :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 67.7  | 48.4  | 88.4  |
| 65      | 99.6  | 72.6  | 112.6 |

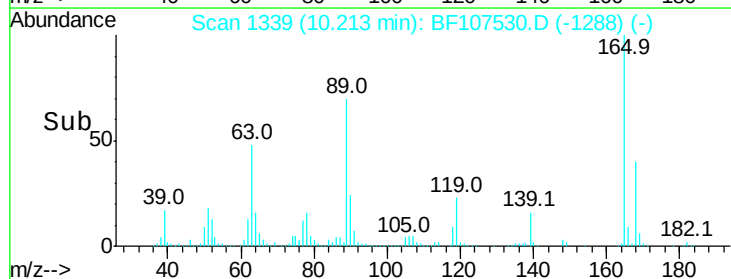
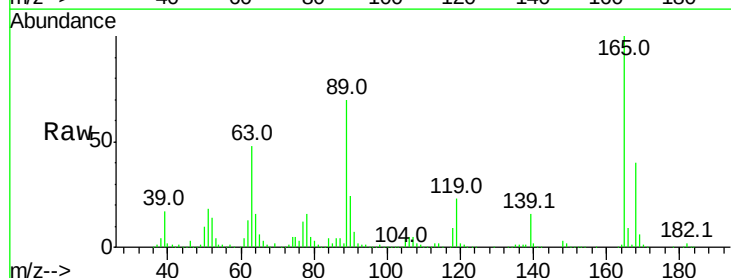
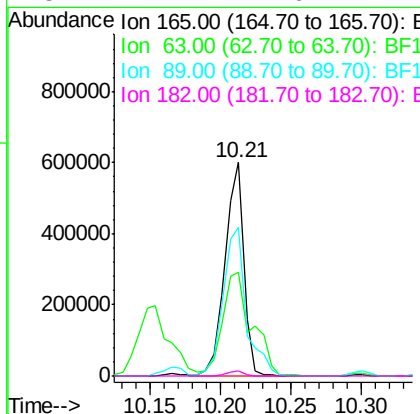
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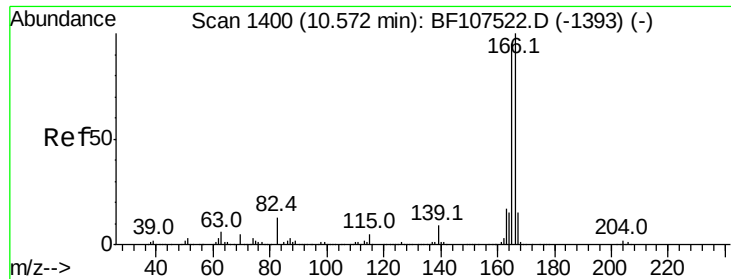


#56  
2,4-Dinitrotoluene  
Concen: 52.570 ng  
RT: 10.21 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 48.3  | 36.4  | 54.6  |
| 89      | 69.8  | 57.8  | 86.6  |
| 182     | 2.2   | 1.6   | 2.4   |







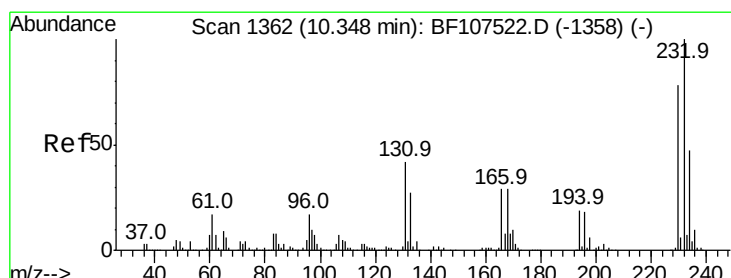
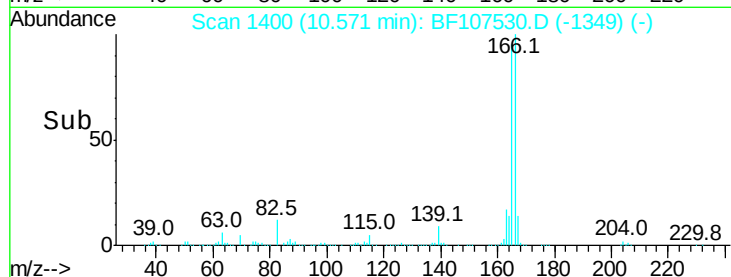
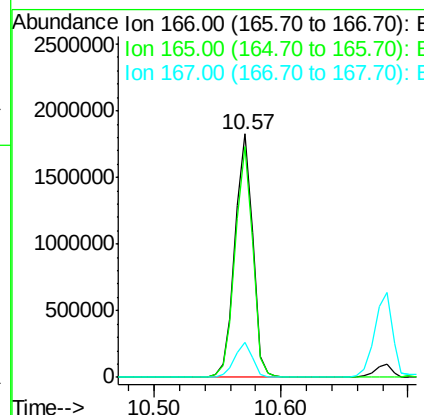
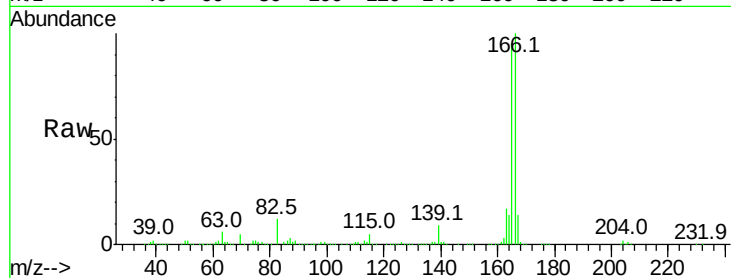
#57  
 Fluorene  
 Concen: 45.508 ng  
 RT: 10.57 min Scan# 1400  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

Tot Ion:166 Resp: 1759444  
 Ion Ratio Lower Upper  
 166 100  
 165 94.6 79.8 119.8  
 167 14.5 10.6 16.0

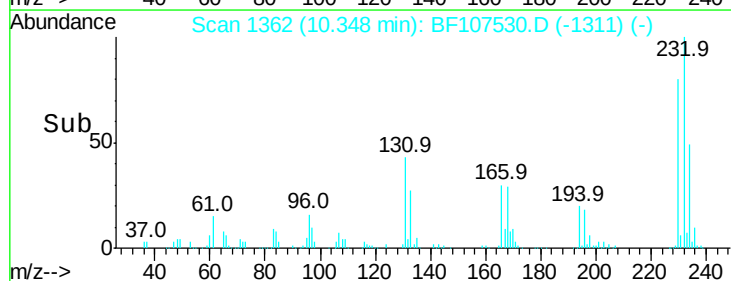
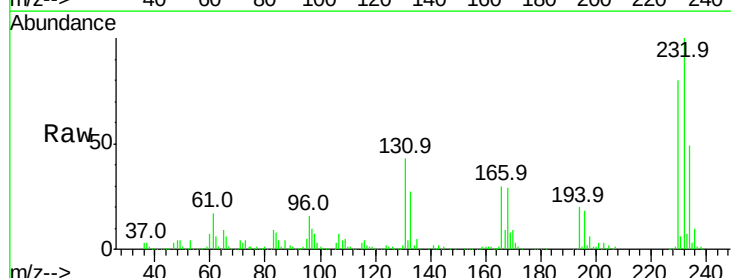
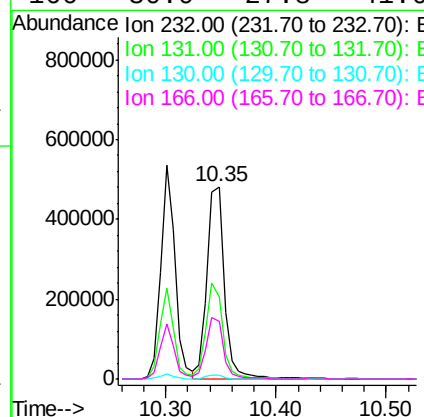
Manual Integrations  
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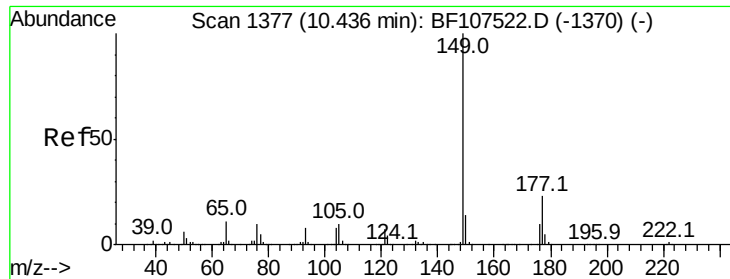
Sohil  
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.075 ng  
 RT: 10.35 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Tgt Ion:232 Resp: 513483  
 Ion Ratio Lower Upper  
 232 100  
 131 46.9 43.8 65.8  
 130 2.2 2.1 3.1  
 166 30.9 27.8 41.6





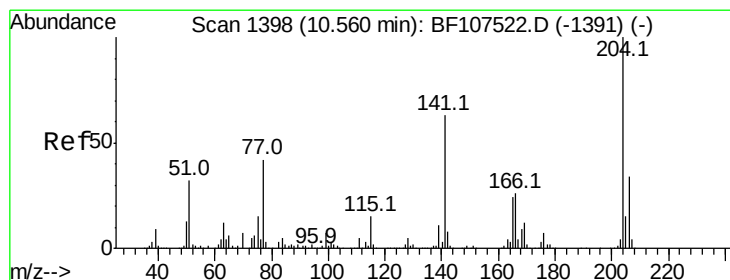
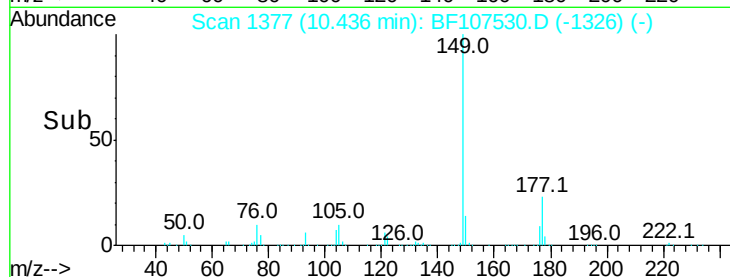
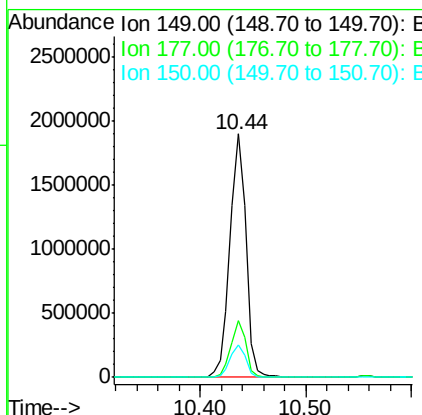
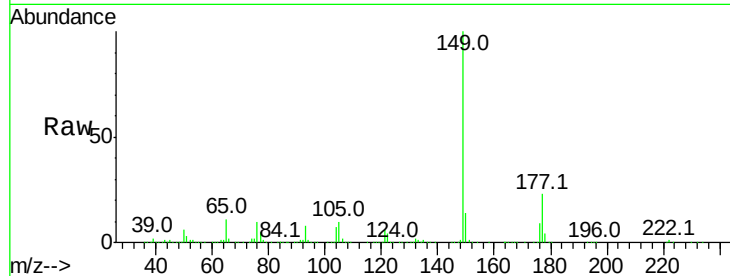
#59  
Diethylphthalate  
Concen: 43.112 ng  
RT: 10.44 min Scan# 1377  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.2  | 16.1  | 24.1  |
| 150     | 13.6  | 10.1  | 15.1  |

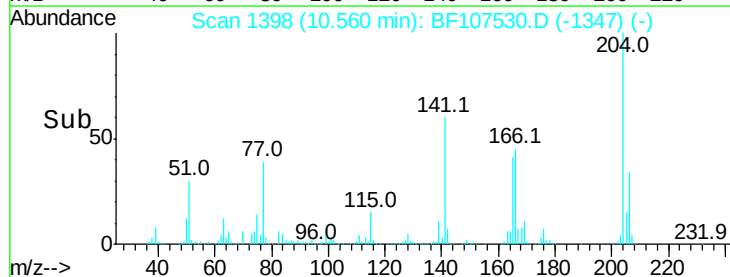
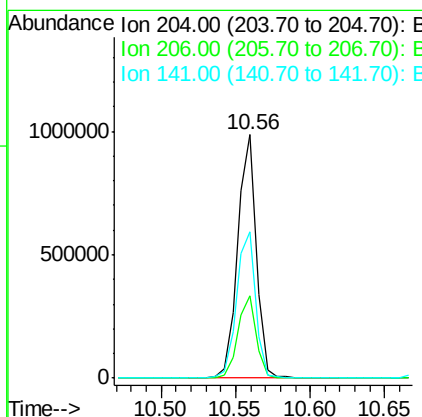
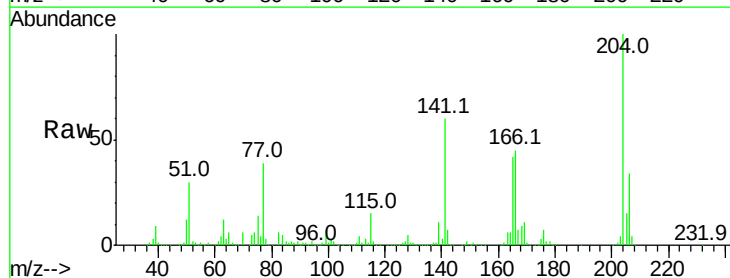
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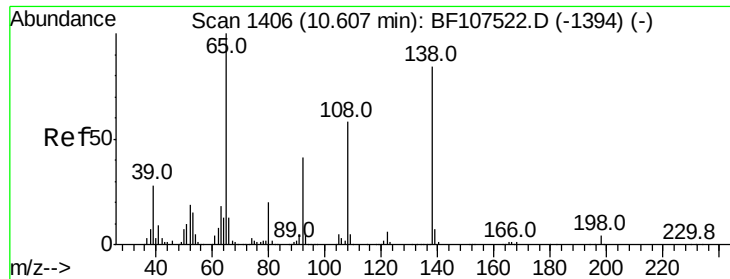
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#60  
4-Chlorophenyl-phenylether  
Concen: 39.452 ng  
RT: 10.56 min Scan# 1398  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.6  | 26.5  | 39.7  |
| 141     | 60.2  | 54.6  | 81.8  |





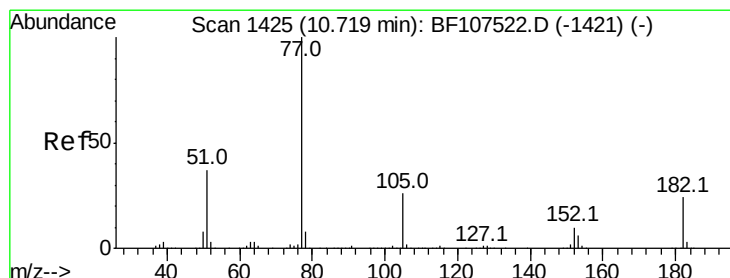
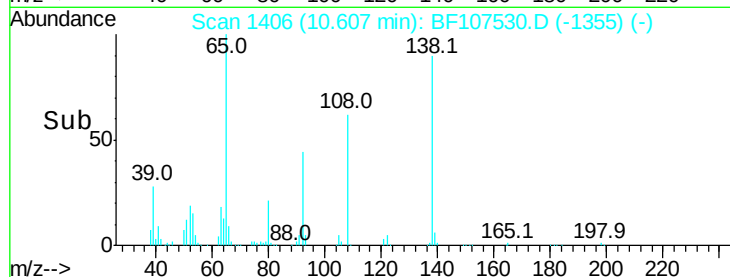
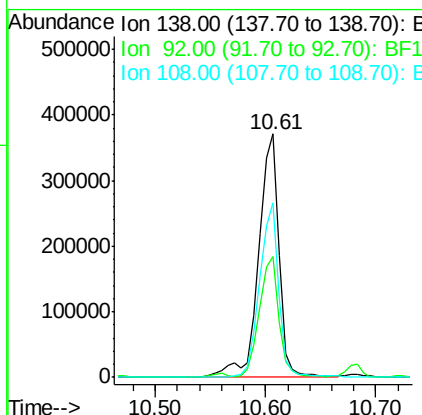
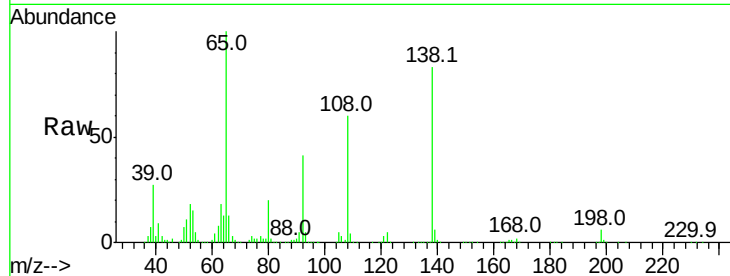
#61  
4-Nitroaniline  
Concen: 53.962 ng  
RT: 10.61 min Scan# 1406  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.4  | 30.2  | 70.2  |
| 108     | 71.7  | 52.5  | 92.5  |

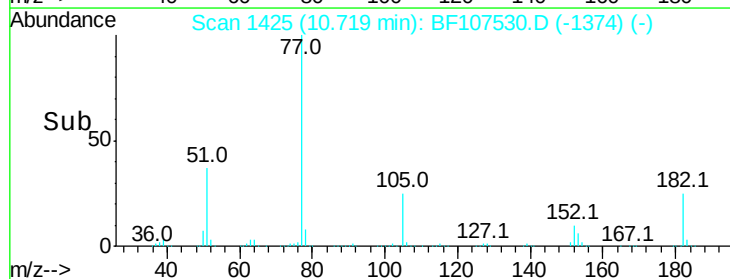
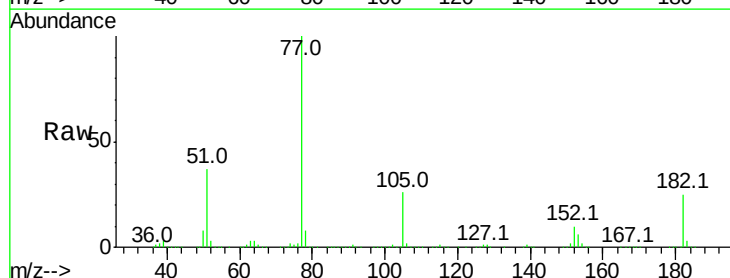
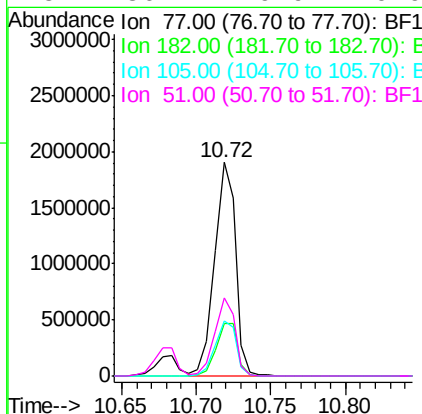
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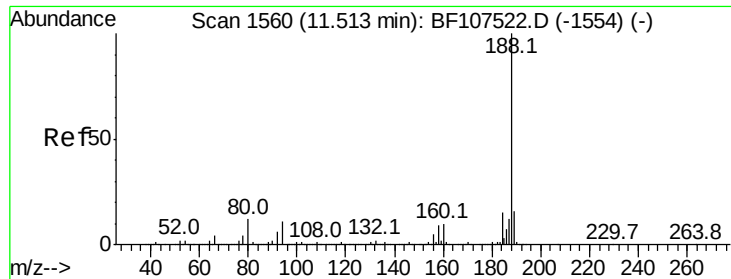
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#62  
Azobenzene  
Concen: 43.293 ng  
RT: 10.72 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 24.7  | 1.7   | 41.7  |
| 105     | 26.0  | 3.0   | 43.0  |
| 51      | 36.7  | 9.9   | 49.9  |





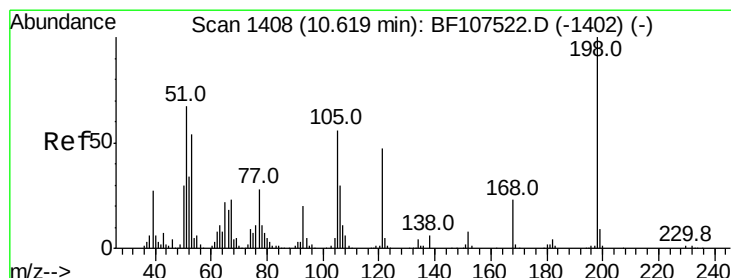
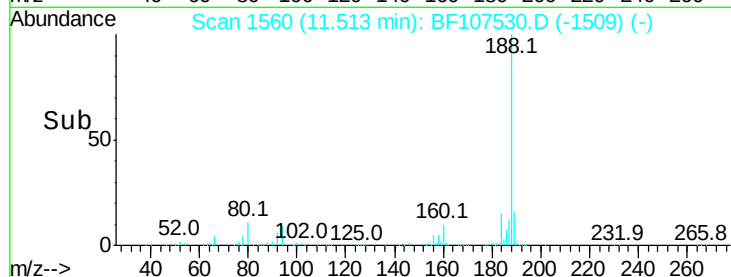
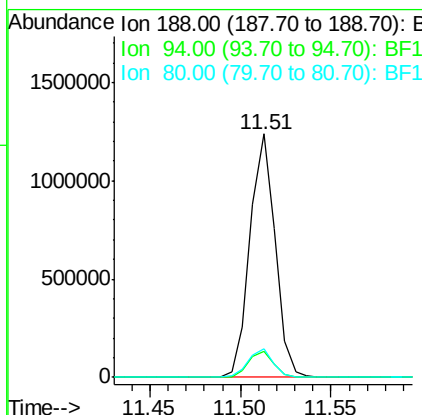
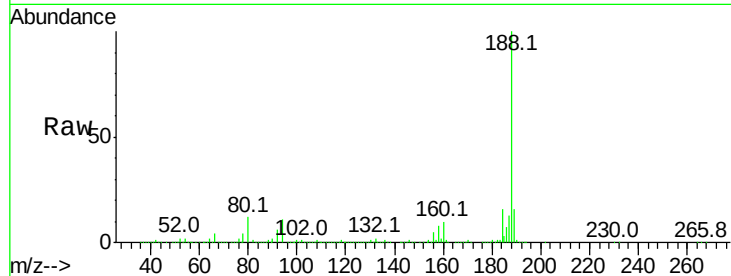
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1560  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.5  | 8.5   | 12.7  |
| 80      | 11.6  | 9.2   | 13.8  |

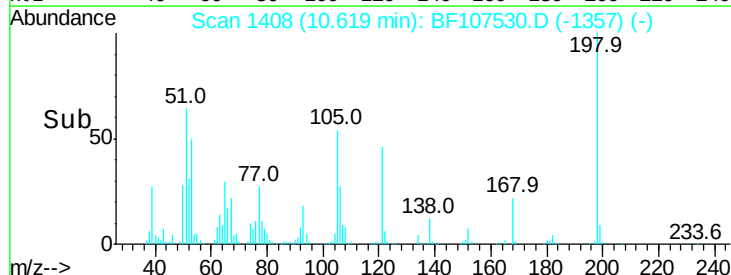
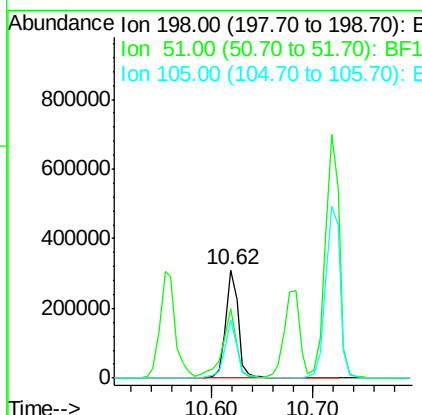
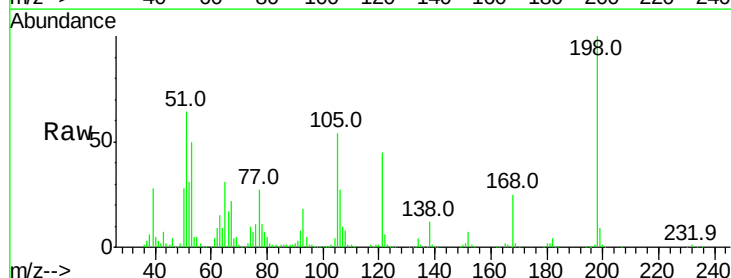
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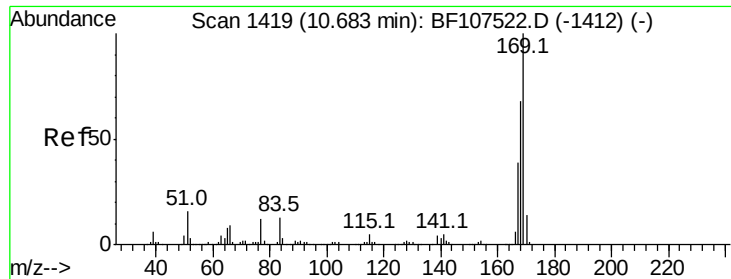
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 46.891 ng  
RT: 10.62 min Scan# 1408  
Delta R.T. 0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 63.7  | 37.7  | 77.7  |
| 105     | 54.1  | 36.3  | 76.3  |





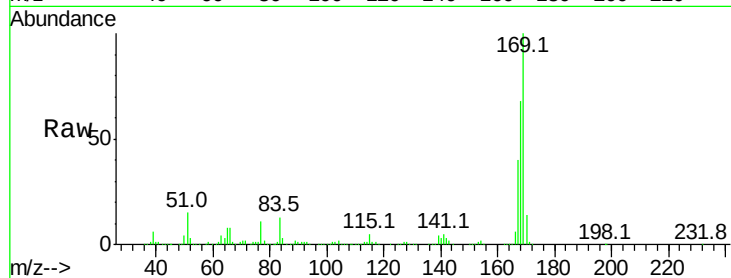
#65  
n-Nitrosodiphenylamine  
Concen: 39.757 ng  
RT: 10.68 min Scan# 1419  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

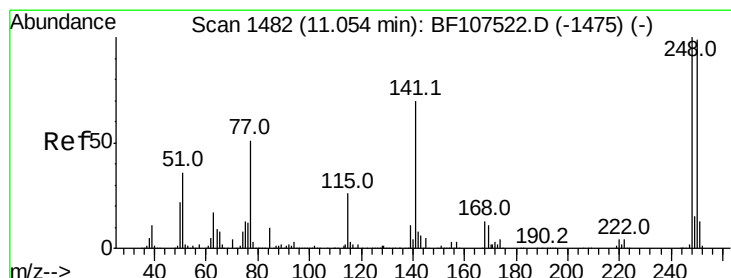
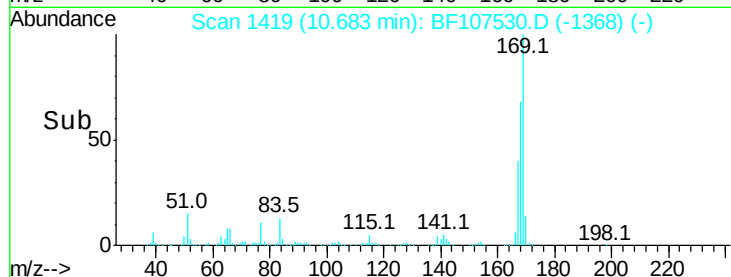
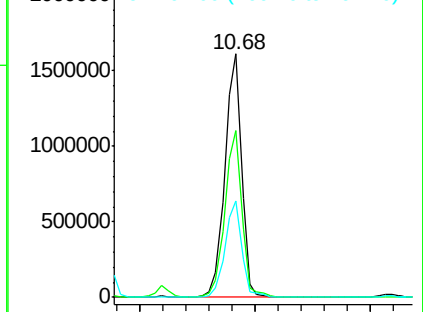
Tot Ion:169 Resp: 1614962  
Ion Ratio Lower Upper  
169 100  
168 68.4 54.4 81.6  
167 39.7 29.8 44.6

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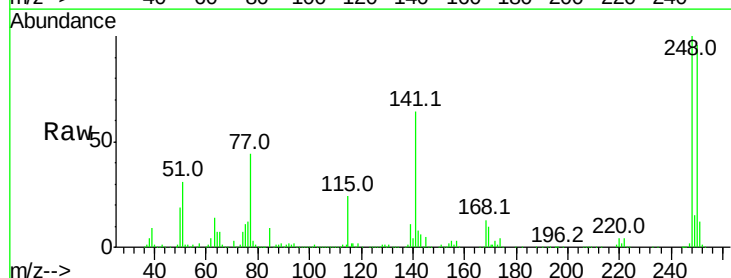


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

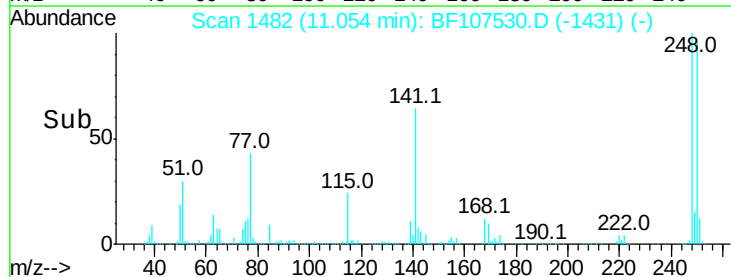
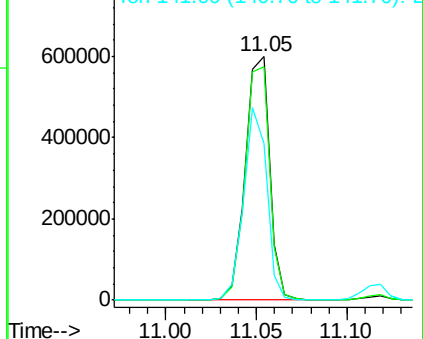


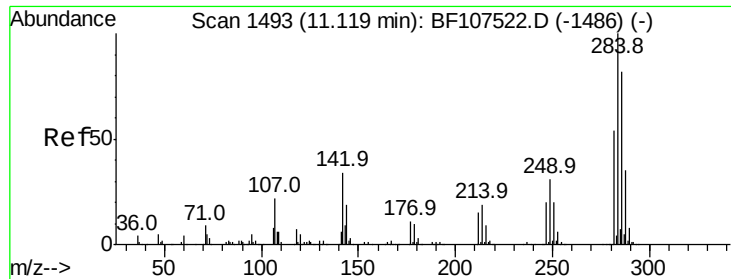
#66  
4-Bromophenyl-phenylether  
Concen: 39.925 ng  
RT: 11.05 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Tgt Ion:248 Resp: 562116  
Ion Ratio Lower Upper  
248 100  
250 96.1 76.9 115.3  
141 64.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 39.886 ng

RT: 11.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:284 Resp: 617900

Ion Ratio Lower Upper

284 100

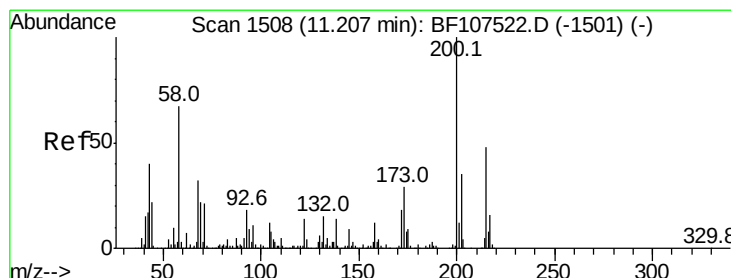
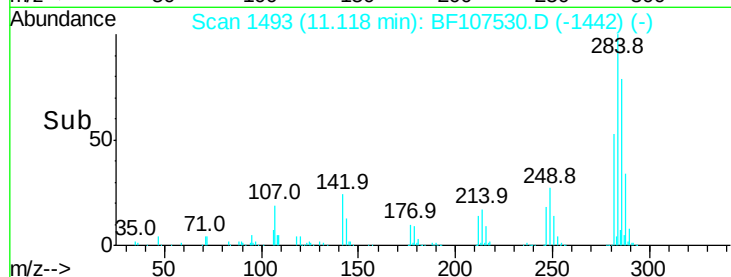
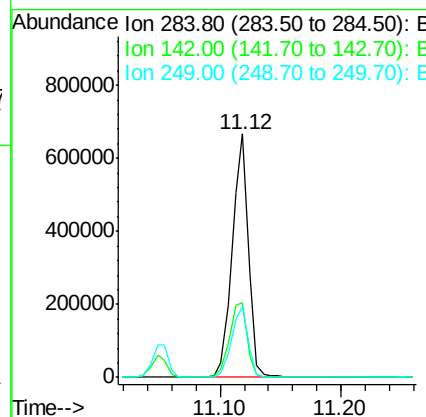
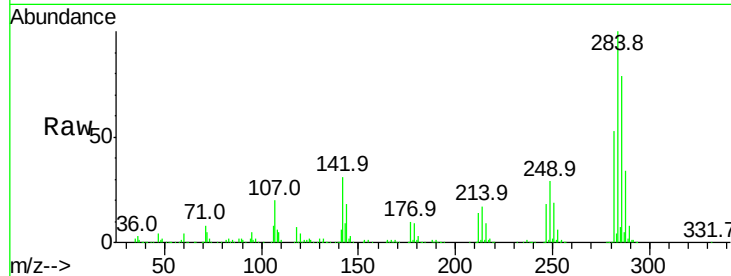
142 30.8 34.6 52.0#

249 29.3 24.8 37.2

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#68

Atrazine

Concen: 44.125 ng

RT: 11.21 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

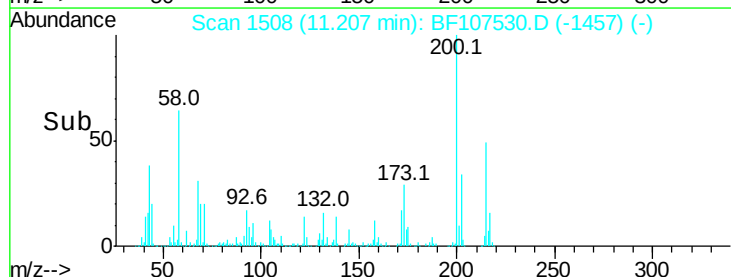
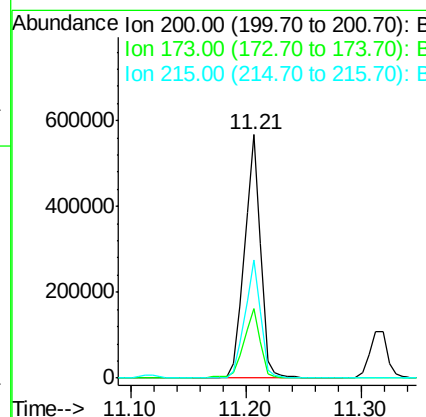
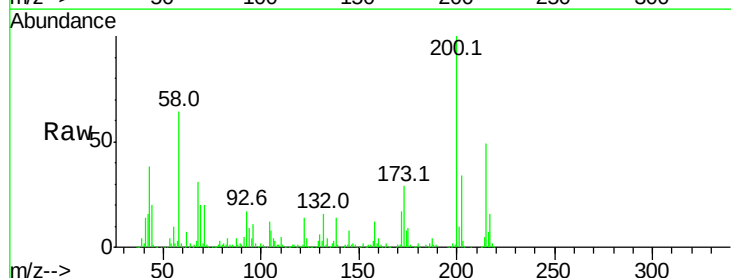
Tgt Ion:200 Resp: 547252

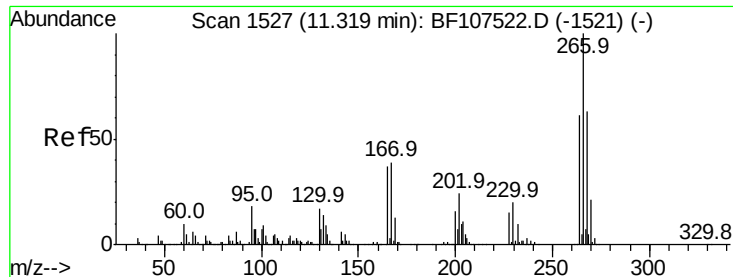
Ion Ratio Lower Upper

200 100

173 28.8 8.6 48.6

215 48.5 25.1 65.1





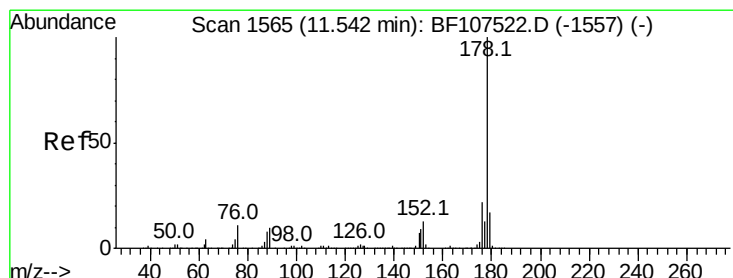
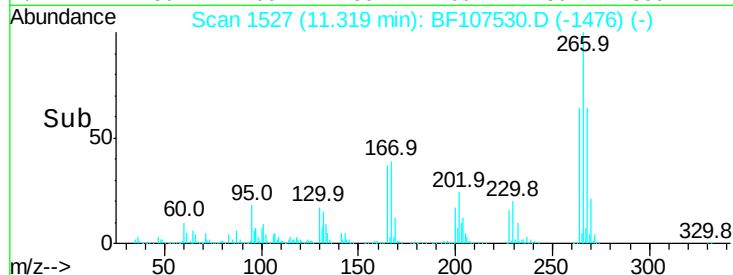
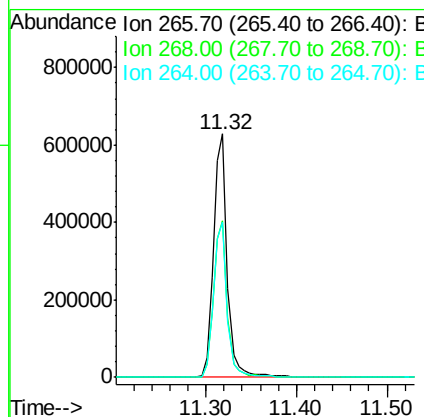
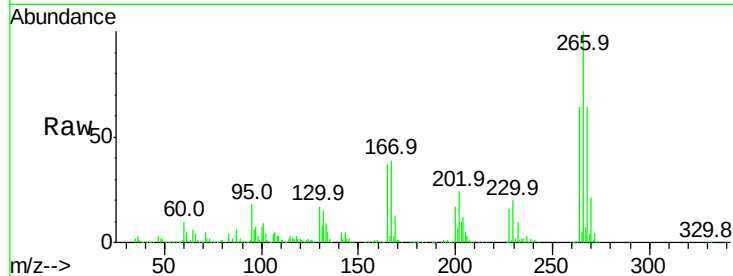
#69  
 Pentachlorophenol  
 Concen: 69.256 ng  
 RT: 11.32 min Scan# 1527  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 670152 |       |       |
| 268     | 64.4  | 51.1   | 76.7  |       |
| 264     | 63.7  | 49.5   | 74.3  |       |

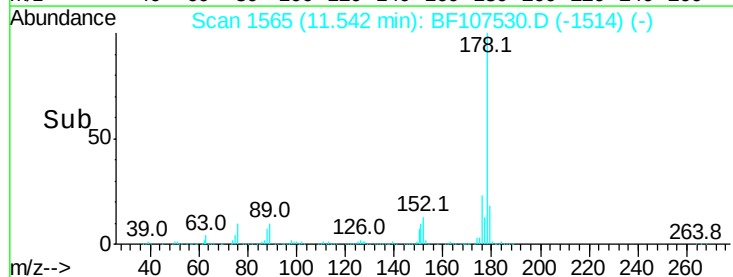
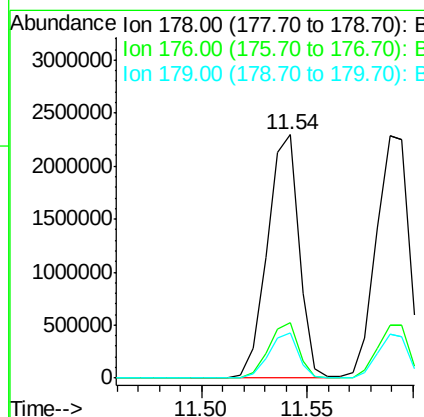
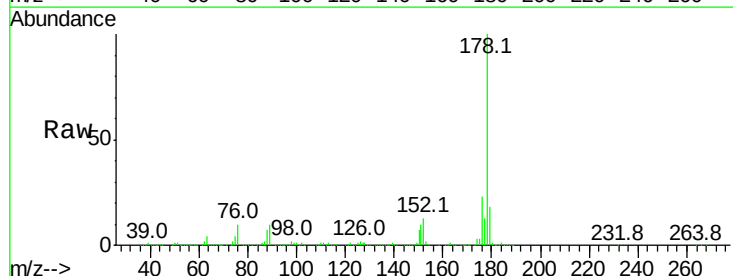
Manual Integrations  
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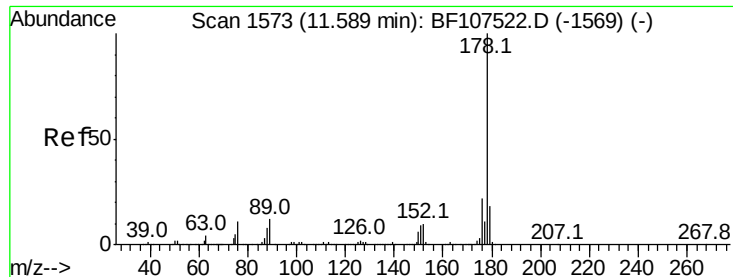
Sohil  
 7/23/2018 12:44:34 PM



#70  
 Phenanthrene  
 Concen: 41.180 ng  
 RT: 11.54 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 2400141 |       |       |
| 176     | 22.9  | 15.8    | 23.8  |       |
| 179     | 18.4  | 13.0    | 19.6  |       |





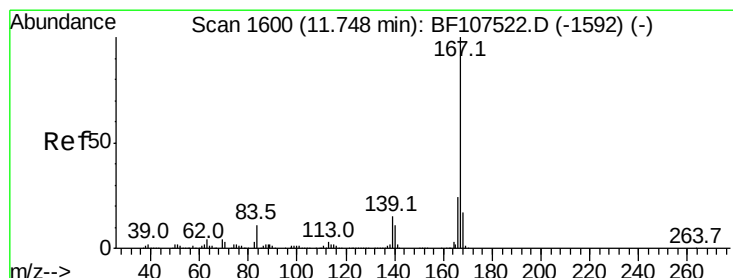
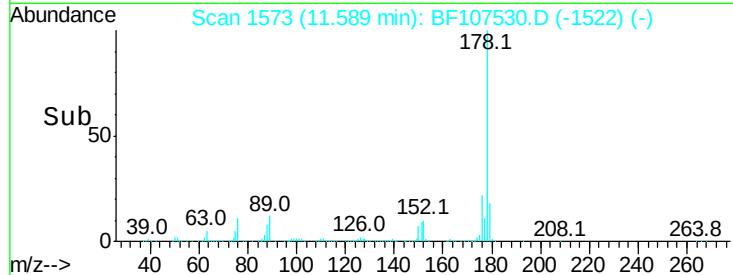
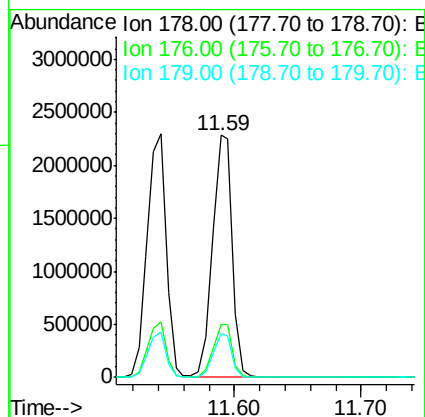
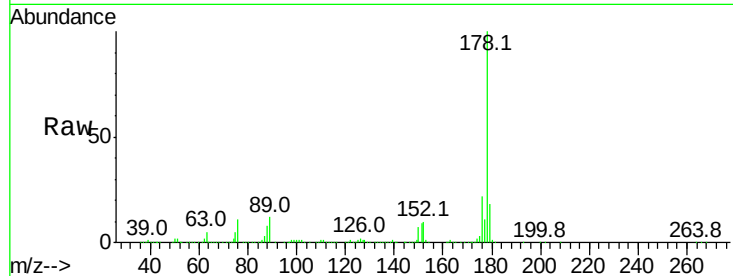
#71  
 Anthracene  
 Concen: 42.513 ng  
 RT: 11.59 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

Tot Ion:178 Resp: 2494757  
 Ion Ratio Lower Upper  
 178 100  
 176 21.9 15.4 23.2  
 179 17.9 12.6 19.0

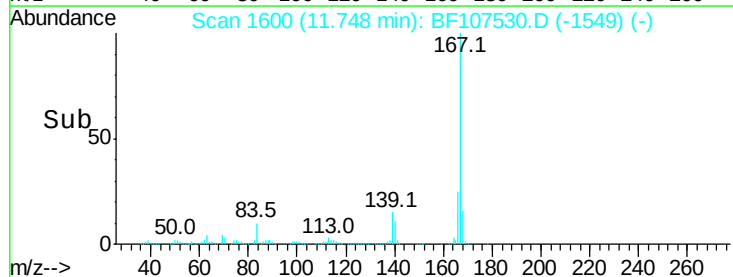
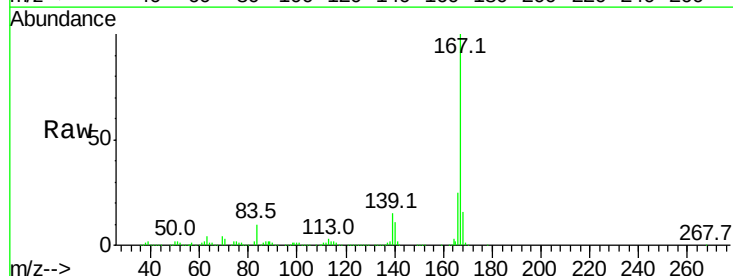
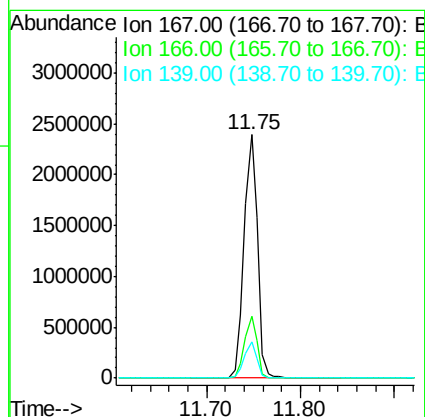
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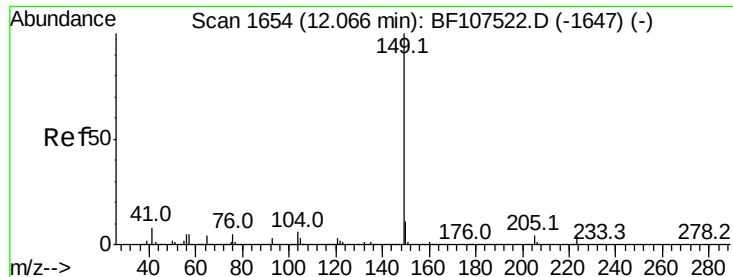


#72  
 Carbazole  
 Concen: 39.019 ng  
 RT: 11.75 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Tgt Ion:167 Resp: 2381043  
 Ion Ratio Lower Upper  
 167 100  
 166 25.5 17.6 26.4  
 139 15.1 10.9 16.3







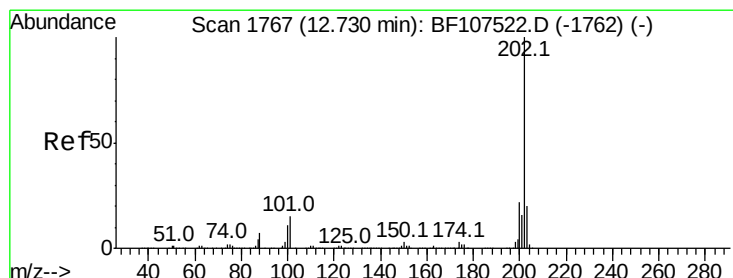
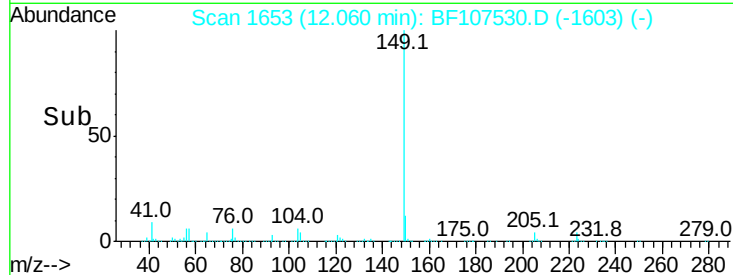
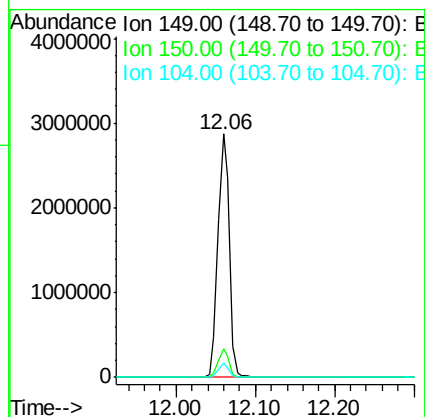
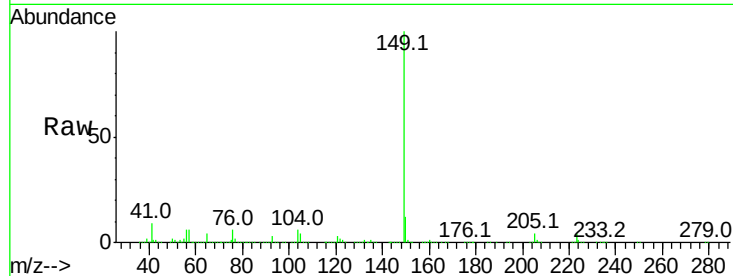
#73  
Di-n-butylphthalate  
Concen: 45.901 ng  
RT: 12.06 min Scan# 1653  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 12.0  | 7.8   | 11.6# |
| 104     | 6.2   | 3.8   | 5.8#  |

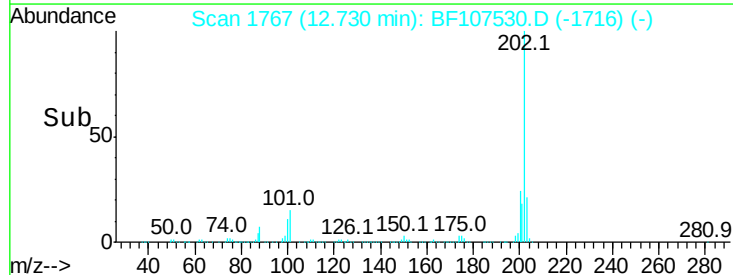
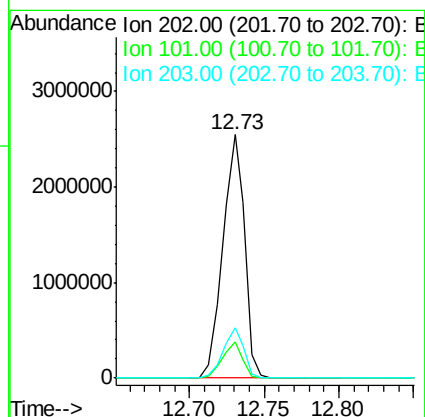
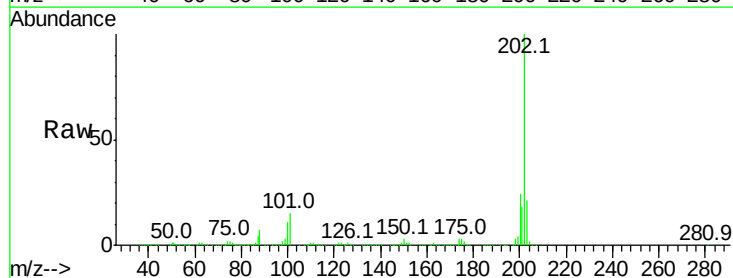
Manual Integrations  
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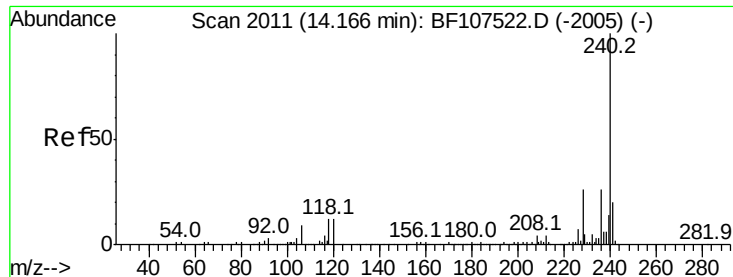
Sohil  
7/23/2018 12:44:34 PM



#74  
Fluoranthene  
Concen: 41.836 ng  
RT: 12.73 min Scan# 1767  
Delta R.T. 0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.7  | 0.0   | 34.1  |
| 203     | 20.8  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

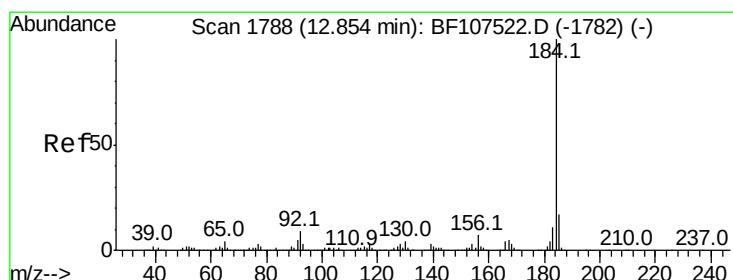
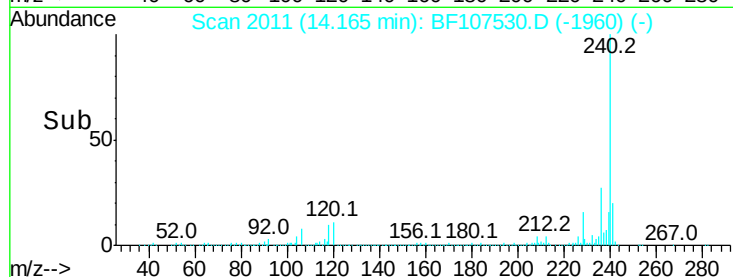
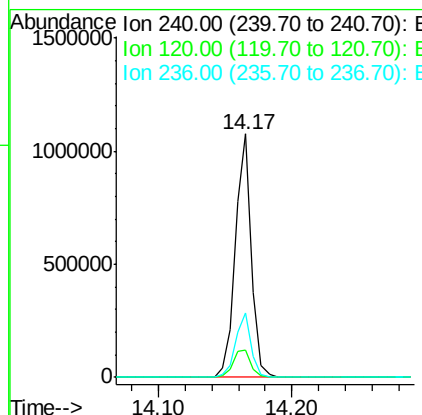
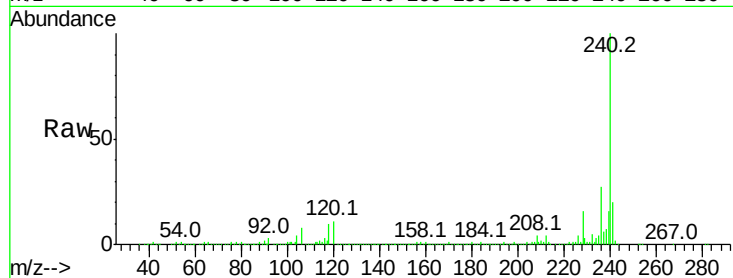
ClientSampleId :

PB111220BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 907745 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.2  | 9.5   | 14.3   |
| 236       | 26.5  | 20.7  | 31.1   |

Manual Integrations  
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#76

Benzidine

Concen: 51.724 ng

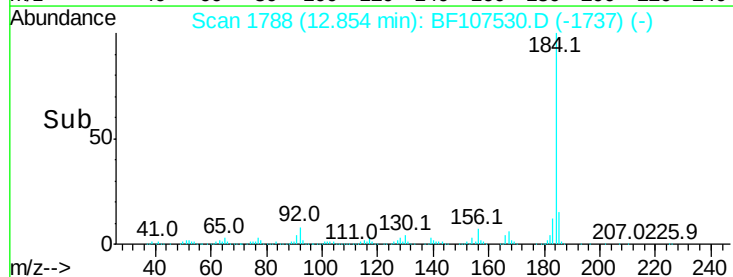
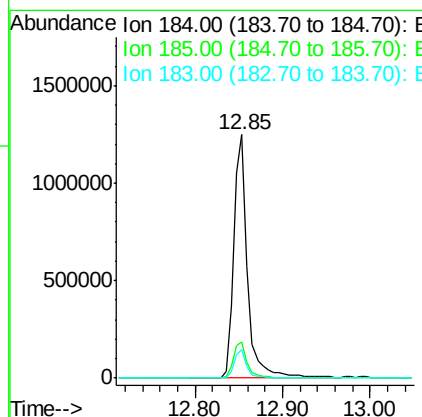
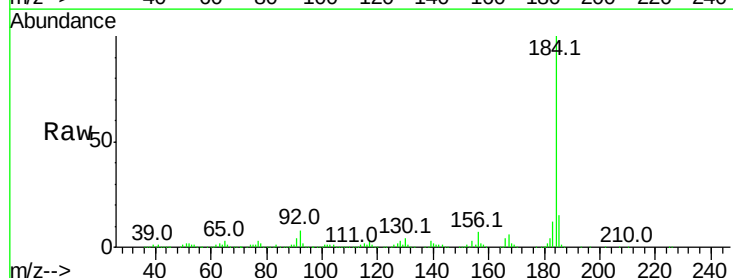
RT: 12.85 min Scan# 1788

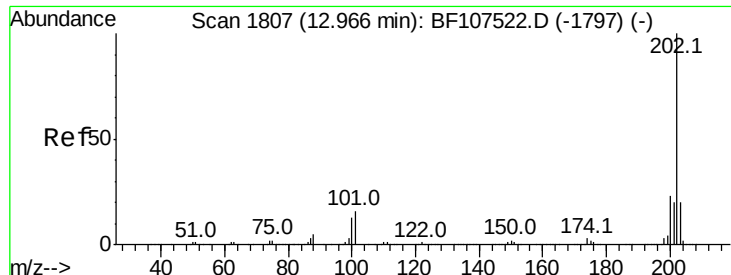
Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 184   | Resp: | 1352134 |
| Ion Ratio | Lower | Upper |         |
| 184       | 100   |       |         |
| 185       | 14.7  | 12.6  | 18.8    |
| 183       | 11.7  | 9.3   | 13.9    |





#77

Pvrene

Concen: 42.615 ng

RT: 12.97 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:202 Resp: 2645999

Ion Ratio Lower Upper

202 100

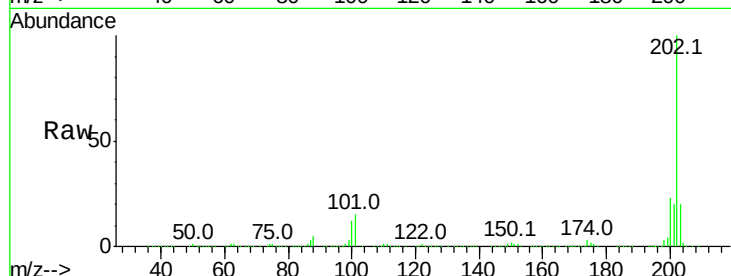
200 23.5 17.4 26.2

203 20.4 14.3 21.5

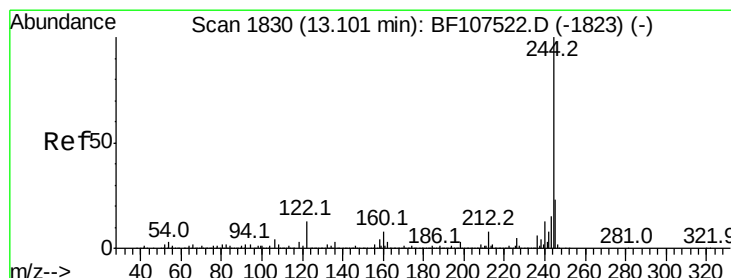
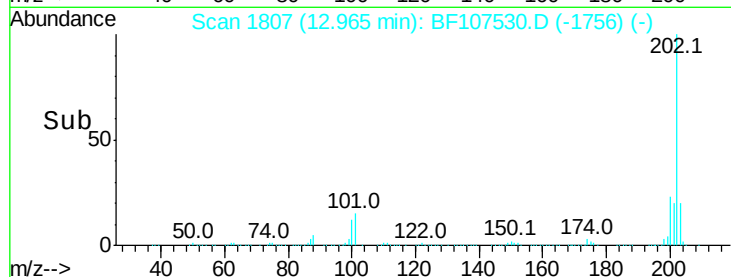
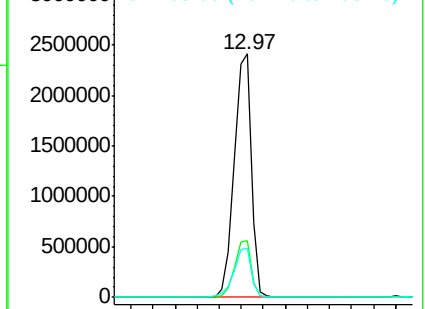
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.358 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

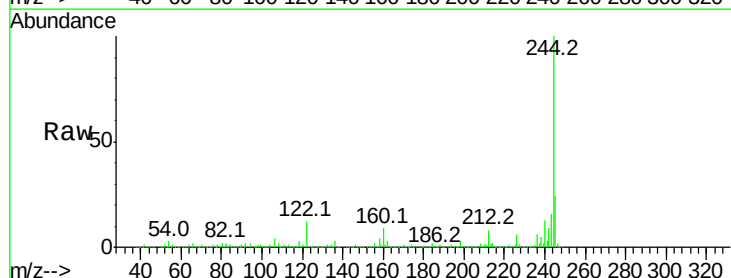
Tgt Ion:244 Resp: 3168403

Ion Ratio Lower Upper

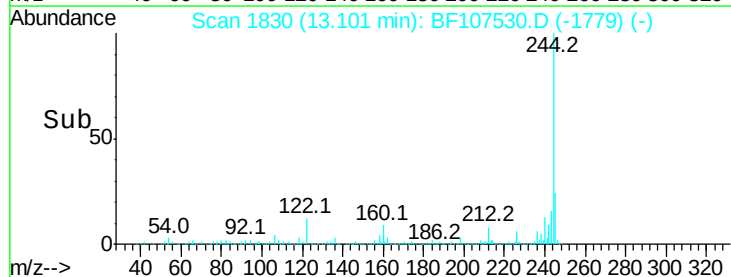
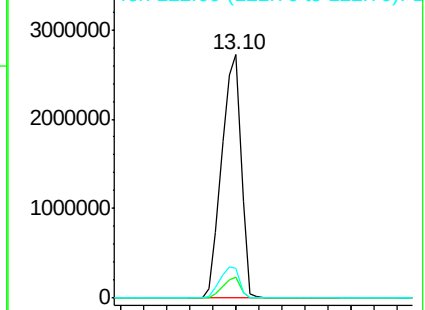
244 100

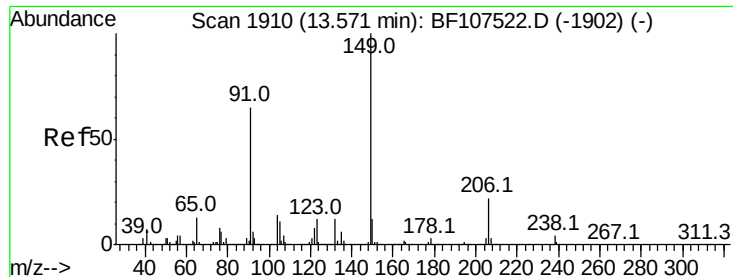
212 8.4 5.4 8.0#

122 12.4 11.0 16.4



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





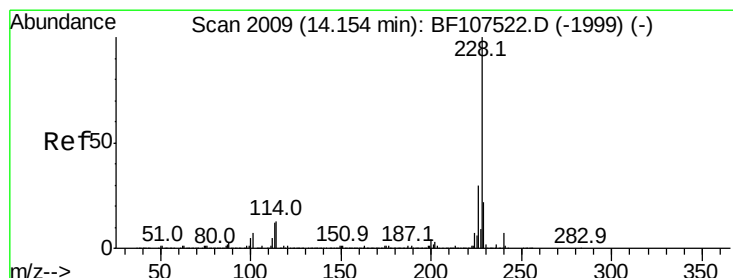
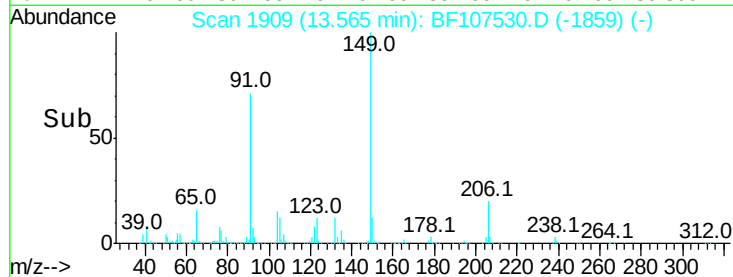
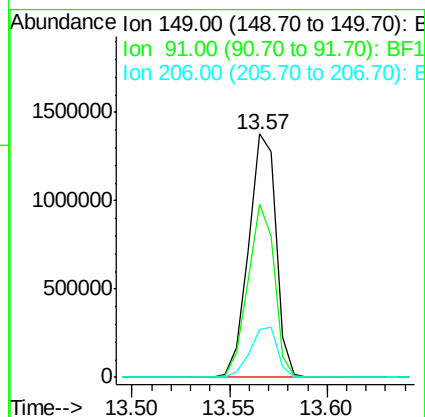
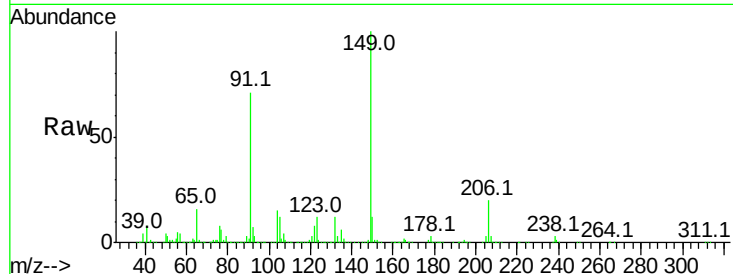
#79  
Butylbenzylphthalate  
Concen: 50.279 ng  
RT: 13.57 min Scan# 1909  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.9  | 56.8  | 85.2  |
| 206     | 19.7  | 14.1  | 21.1  |

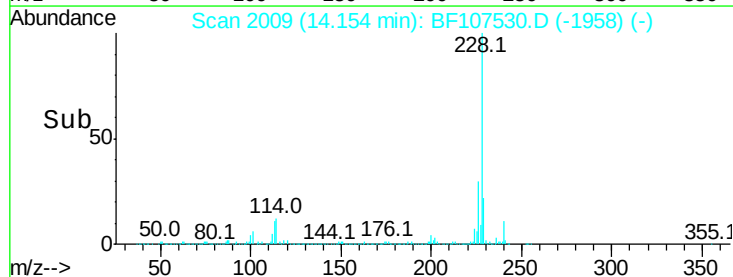
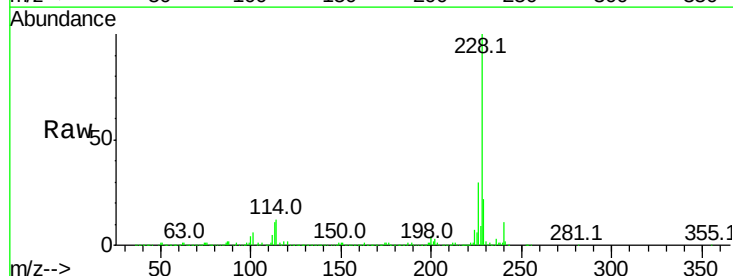
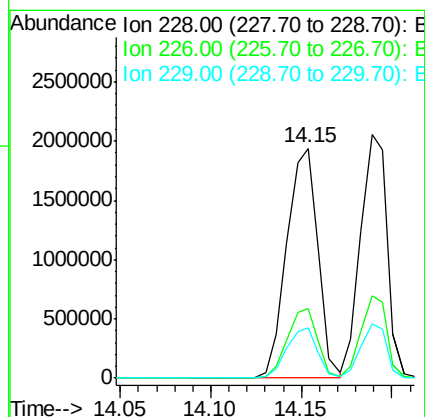
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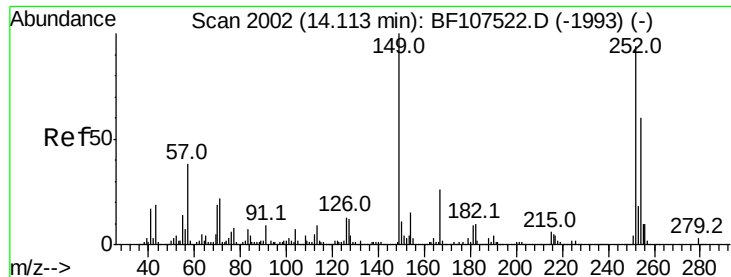
Sohil  
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#80  
Benzo(a)anthracene  
Concen: 43.825 ng  
RT: 14.15 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 22.6  | 33.8  |
| 229     | 21.9  | 15.8  | 23.6  |





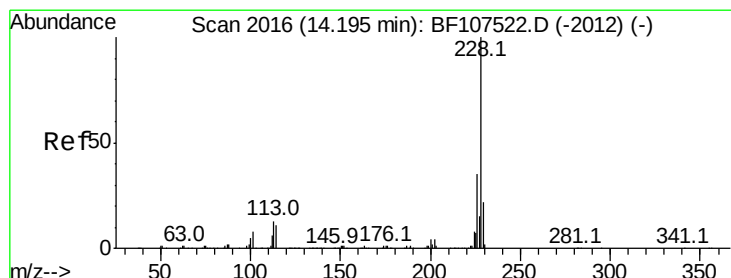
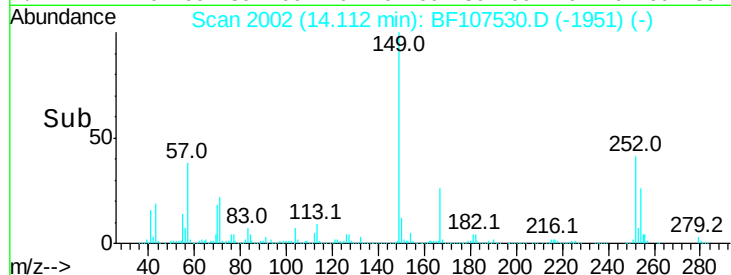
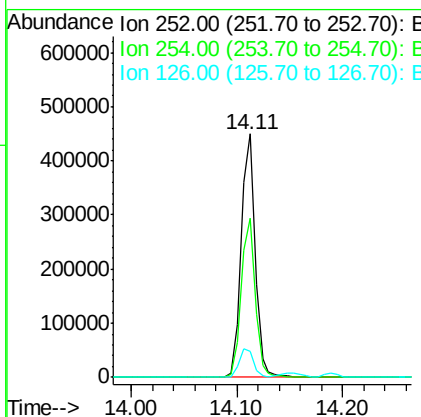
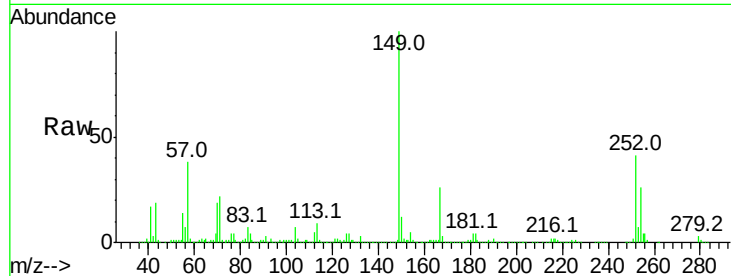
#81  
 3,3'-Dichlorobenzidine  
 Concen: 22.258 ng  
 RT: 14.11 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.1  | 50.4  | 75.6  |
| 126     | 10.6  | 11.3  | 16.9  |

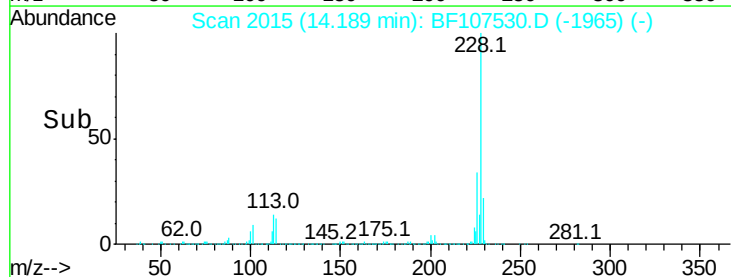
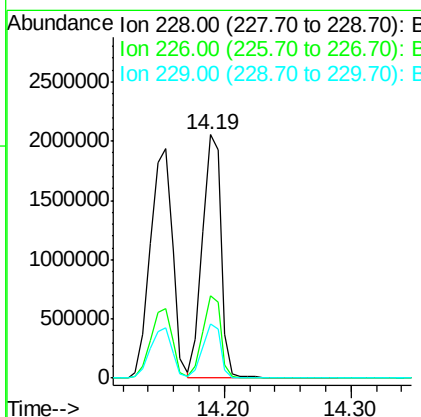
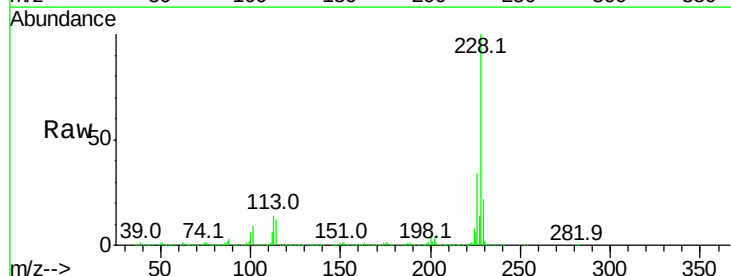
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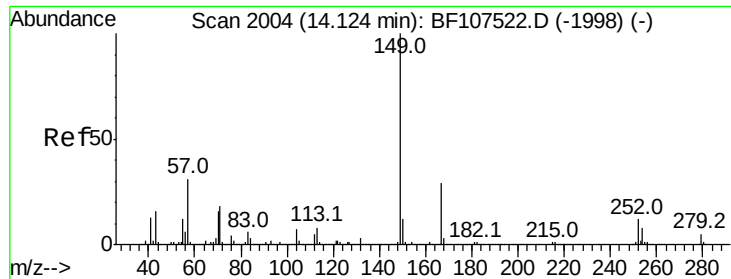
Sohil  
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#82  
 Chrysene  
 Concen: 41.449 ng  
 RT: 14.19 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.8  | 25.0  | 37.6  |
| 229     | 22.2  | 16.2  | 24.4  |





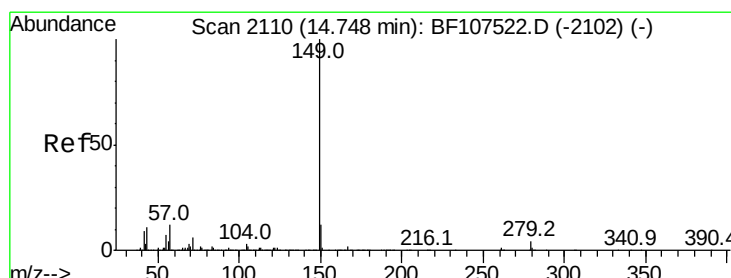
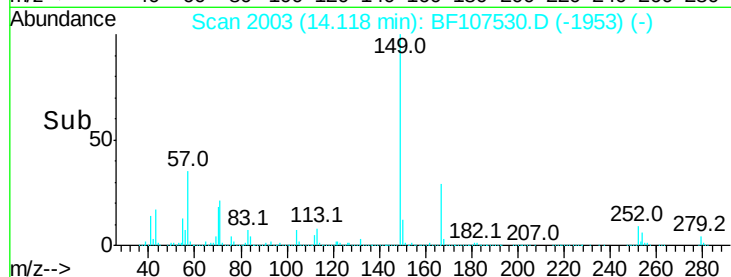
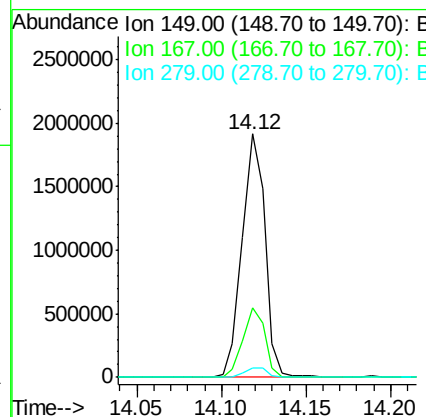
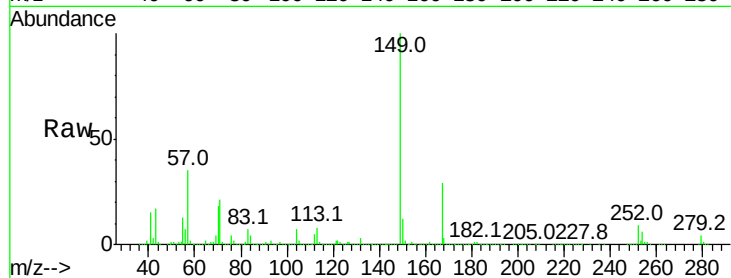
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.125 ng  
 RT: 14.12 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

Tot Ion:149 Resp: 1813177  
 Ion Ratio Lower Upper  
 149 100  
 167 28.6 21.3 31.9  
 279 3.7 3.0 4.4

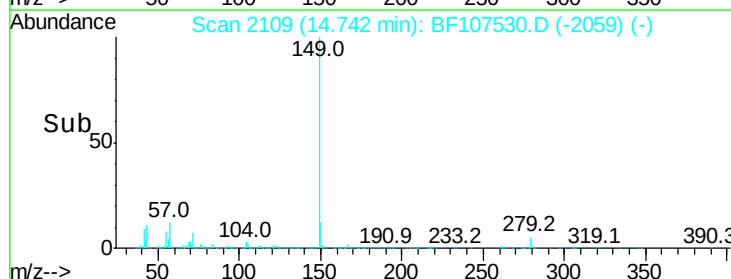
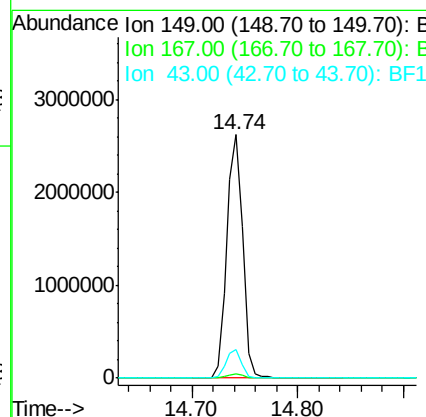
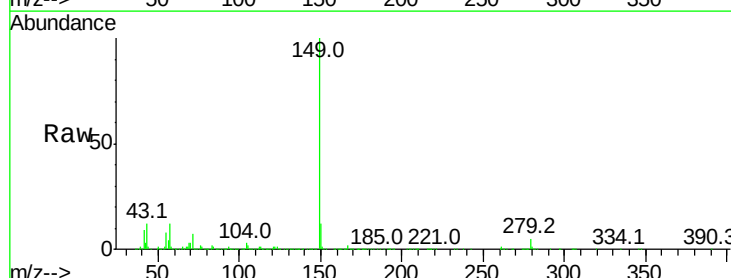
Manual Integrations  
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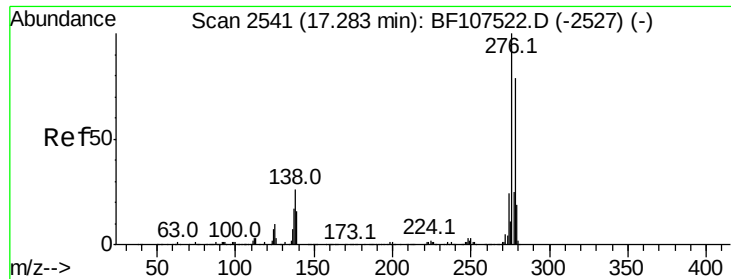
Sohil  
 7/23/2018 12:44:34 PM



#84  
 Di-n-octyl phthalate  
 Concen: 47.196 ng  
 RT: 14.74 min Scan# 2109  
 Delta R.T. -0.01 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Tgt Ion:149 Resp: 2763973  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.2 1.8  
 43 11.3 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 56.214 ng

RT: 17.28 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

Instrument :

BNA\_F

ClientSampleId :

PB111220BS

Tot Ion:276 Resp: 2434522

Ion Ratio Lower Upper

276 100

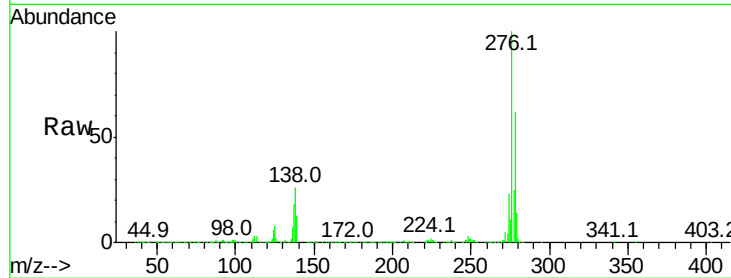
138 27.6 25.0 37.6

277 25.1 20.1 30.1

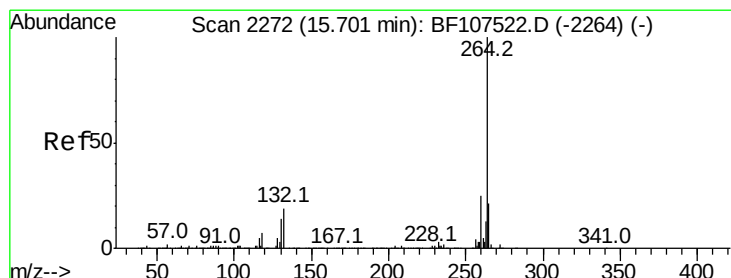
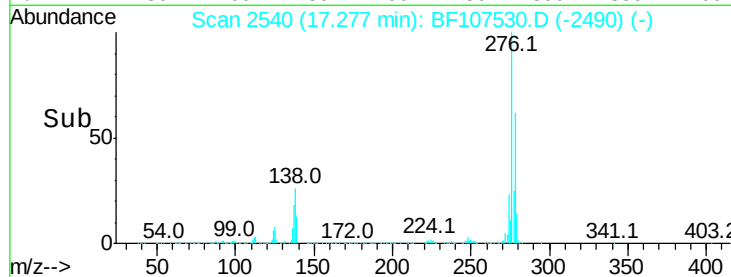
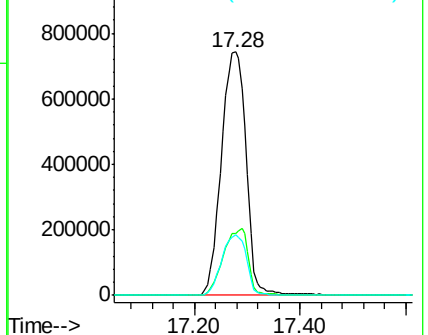
Manual Integrations  
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Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107530.D

Acq: 20 Jul 2018 18:19

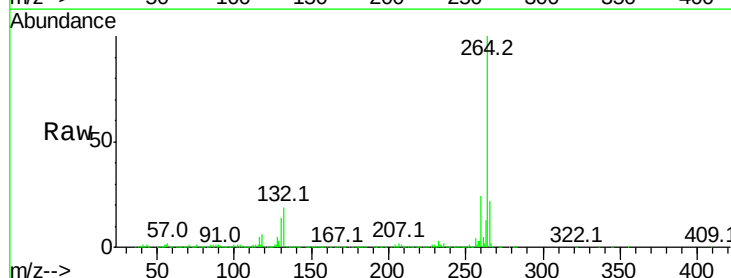
Tgt Ion:264 Resp: 894105

Ion Ratio Lower Upper

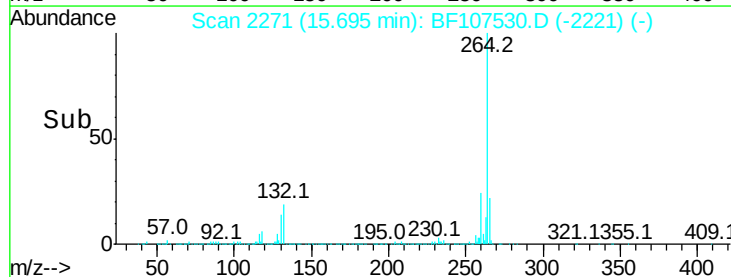
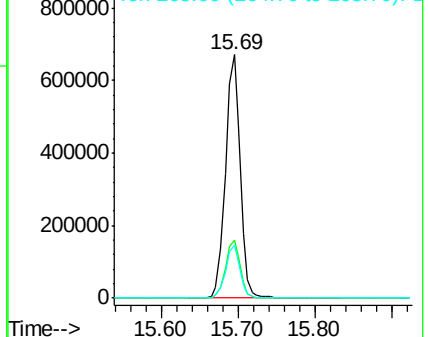
264 100

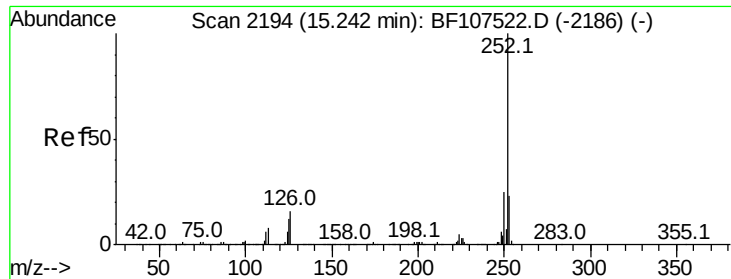
260 24.0 19.2 28.8

265 22.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





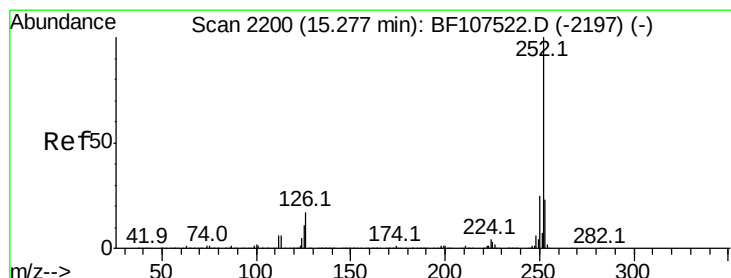
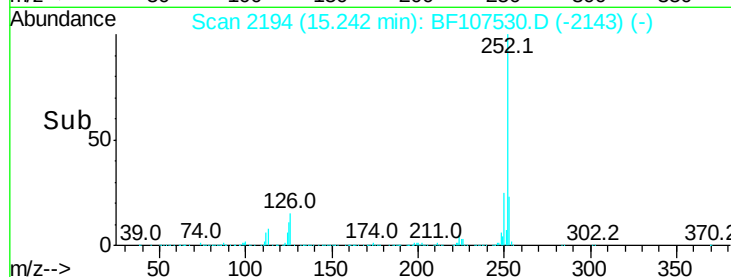
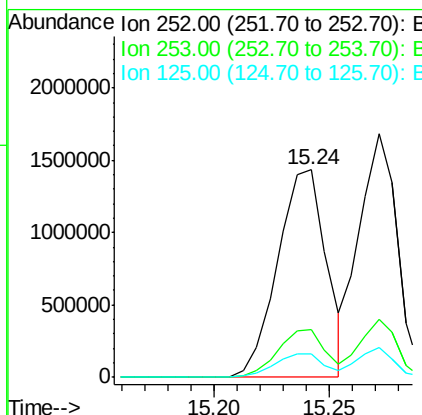
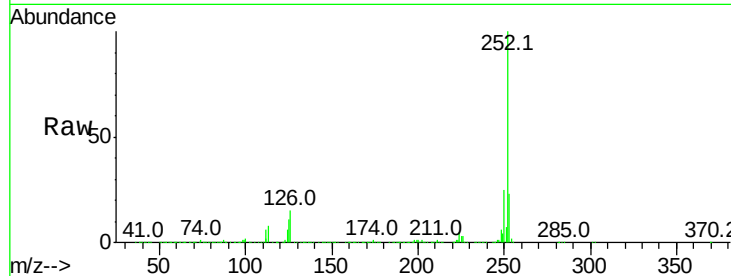
#87  
Benzo(b)fluoranthene  
Concen: 43.051 ng  
RT: 15.24 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

Tot Ion:252 Resp: 2106623  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.0 25.6  
125 11.2 9.0 13.6

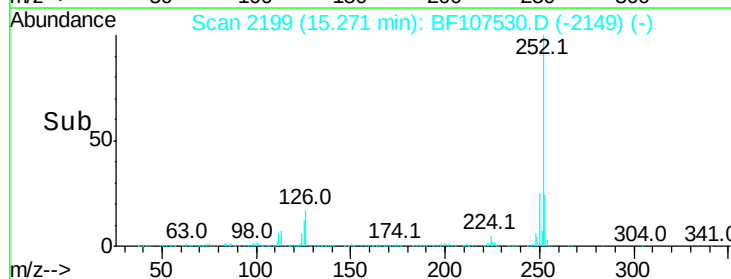
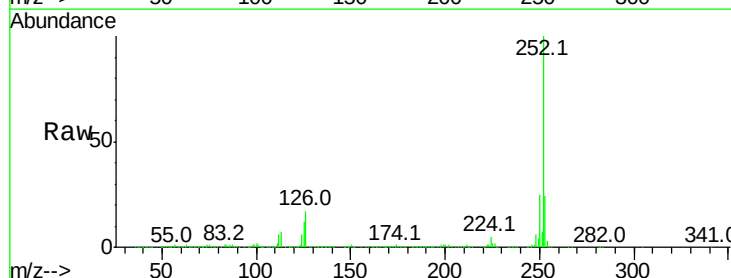
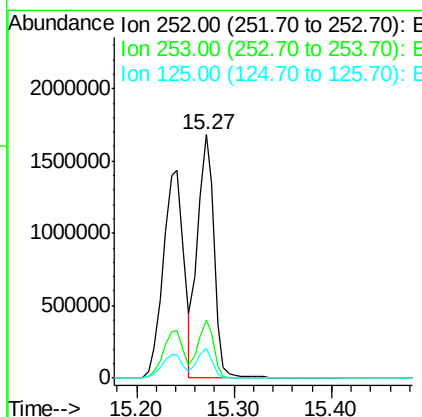
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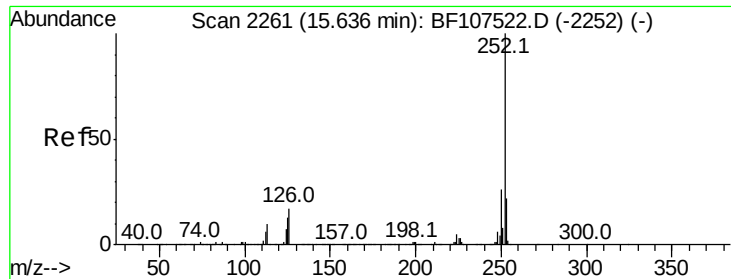


#88  
Benzo(k)fluoranthene  
Concen: 40.820 ng  
RT: 15.27 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Tgt Ion:252 Resp: 1956937  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.9 26.9  
125 12.2 10.2 15.2







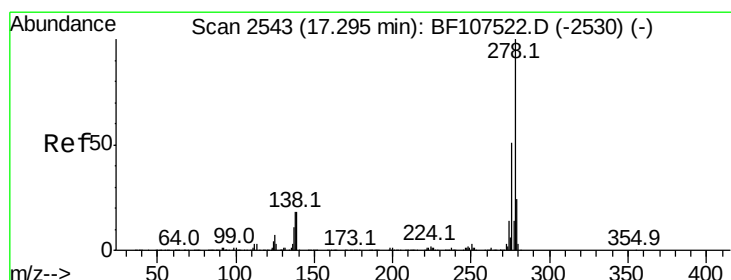
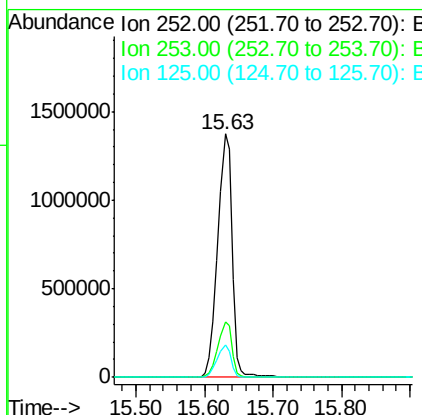
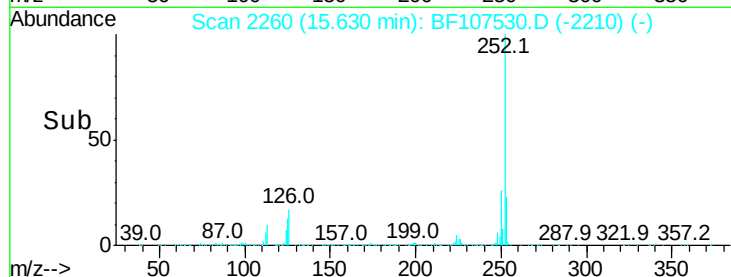
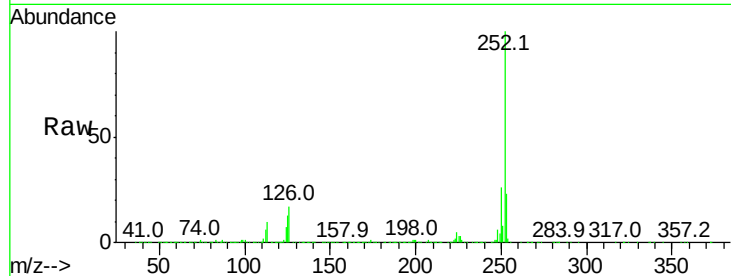
#89  
Benzo(a)pyrene  
Concen: 44.460 ng  
RT: 15.63 min Scan# 2260  
Delta R.T. -0.01 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB111220BS

Tot Ion:252 Resp: 1990089  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.1 25.7  
125 13.3 9.8 14.6

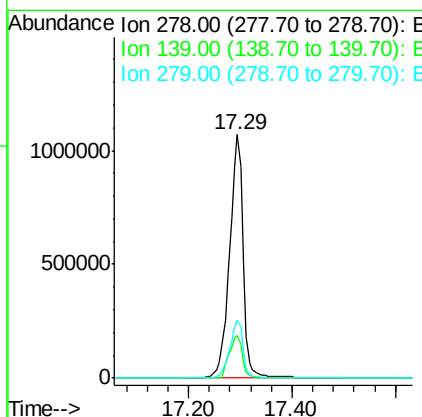
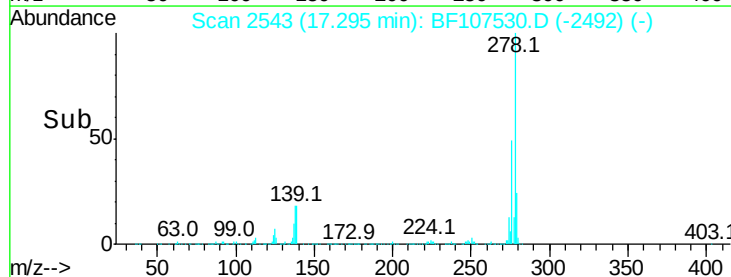
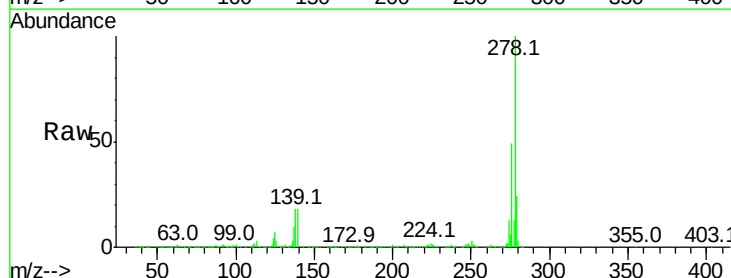
Manual Integrations  
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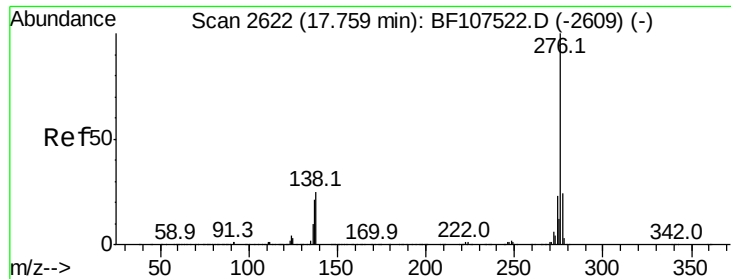
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#90  
Dibenzo(a,h)anthracene  
Concen: 51.249 ng  
RT: 17.29 min Scan# 2543  
Delta R.T. -0.00 min  
Lab File: BF107530.D  
Acq: 20 Jul 2018 18:19

Tgt Ion:278 Resp: 1982945  
Ion Ratio Lower Upper  
278 100  
139 17.7 15.9 23.9  
279 24.1 19.0 28.4





#91  
 Benzo(a,h,i)perylene  
 Concen: 53.979 ng  
 RT: 17.76 min Scan# 2622  
 Delta R.T. -0.00 min  
 Lab File: BF107530.D  
 Acq: 20 Jul 2018 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111220BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.5  | 17.9  | 26.9  |
| 138     | 24.6  | 21.8  | 32.8  |

Manual Integrations  
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