

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072817\  
 Data File : BM011053.D  
 Acq On : 28 Jul 2017 21:56  
 Operator : SJ/JU  
 Sample : I4465-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

Manual Integrations  
 APPROVED

Sohil  
 7/31/2017 6:50:16 PM

Quant Time: Jul 31 17:05:17 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 158253   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.15 | 136  | 684898   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.05 | 164  | 488062   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.80 | 188  | 1210723  | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.02 | 240  | 1162939  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.13 | 264  | 137876   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.03  | 112 | 1416408 | 151.30 | ng | 0.00 |
| 7) Phenol-d6             | 6.59  | 99  | 1874585 | 140.93 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.53  | 82  | 1701380 | 93.23  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.55 | 330 | 1126579 | 144.02 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.66 | 172 | 3667325 | 94.24  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.46 | 244 | 5226732 | 89.03  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.05  | 88  | 158988  | 37.825  | ng | # 100  |
| 4) n-Nitrosodimethylamine      | 3.33  | 42  | 278060  | 47.525  | ng | # 65   |
| 8) 2-Chlorophenol              | 6.96  | 128 | 414805  | 43.643  | ng | # 78   |
| 9) Benzaldehyde                | 6.55  | 77  | 479309  | 55.694  | ng | # 76   |
| 10) Phenol                     | 6.62  | 94  | 622249  | 43.071  | ng | # 93   |
| 11) bis(2-Chloroethyl)ether    | 6.84  | 93  | 572596  | 50.866  | ng | # 95   |
| 12) 1,3-Dichlorobenzene        | 7.27  | 146 | 476352  | 41.124  | ng | # 78   |
| 13) 1,4-Dichlorobenzene        | 7.42  | 146 | 480179  | 40.442  | ng | # 88   |
| 14) 1,2-Dichlorobenzene        | 7.73  | 146 | 470888  | 41.480  | ng | # 90   |
| 15) Benzyl Alcohol             | 7.63  | 79  | 222330  | 17.424  | ng | # 83   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.93  | 45  | 460661  | 45.477  | ng | # 74   |
| 17) 2-Methylphenol             | 7.84  | 107 | 421404  | 45.639  | ng | # 72   |
| 18) Hexachloroethane           | 8.44  | 117 | 219987  | 42.486  | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.20  | 70  | 540976  | 47.861  | ng | # 94   |
| 20) 3+4-Methylphenols          | 8.17  | 107 | 568603  | 44.300  | ng | # 80   |
| 22) Acetophenone               | 8.20  | 105 | 840070  | 40.918  | ng | # 91   |
| 24) Nitrobenzene               | 8.57  | 77  | 850225  | 44.962  | ng | # 86   |
| 25) Isophorone                 | 9.10  | 82  | 1318283 | 43.327  | ng | # 84   |
| 26) 2-Nitrophenol              | 9.27  | 139 | 247636  | 41.157  | ng | # 14   |
| 27) 2,4-Dimethylphenol         | 9.35  | 122 | 452689  | 42.739  | ng | # 62   |
| 28) bis(2-Chloroethoxy)methane | 9.59  | 93  | 443264  | 26.121  | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 9.80  | 162 | 548646  | 46.096  | ng | # 96   |
| 30) 1,2,4-Trichlorobenzene     | 10.02 | 180 | 633025  | 43.015  | ng | # 98   |
| 31) Naphthalene                | 10.19 | 128 | 1459972 | 42.373  | ng | # 99   |
| 32) Benzoic acid               | 9.50  | 122 | 320137  | 37.602  | ng | # 68   |
| 33) 4-Chloroaniline            | 10.36 | 127 | 198865m | 14.468  | ng | # 99   |
| 34) Hexachlorobutadiene        | 10.48 | 225 | 491324  | 42.388  | ng | # 99   |
| 35) Caprolactam                | 11.16 | 113 | 92324m  | 27.352  | ng | # 76   |
| 36) 4-Chloro-3-methylphenol    | 11.45 | 107 | 632092  | 41.128  | ng | # 85   |
| 37) 2-Methylnaphthalene        | 11.82 | 142 | 1212325 | 47.897  | ng | # 100  |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.20 | 216 | 872682  | 41.618  | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 12.18 | 237 | 1335847 | 109.332 | ng | # 98   |
| 42) 2,4,6-Trichlorophenol      | 12.46 | 196 | 545115  | 42.951  | ng | # 86   |
| 43) 2,4,5-Trichlorophenol      | 12.52 | 196 | 579885  | 44.362  | ng | # 86   |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

Manual Integrations  
 APPROVED

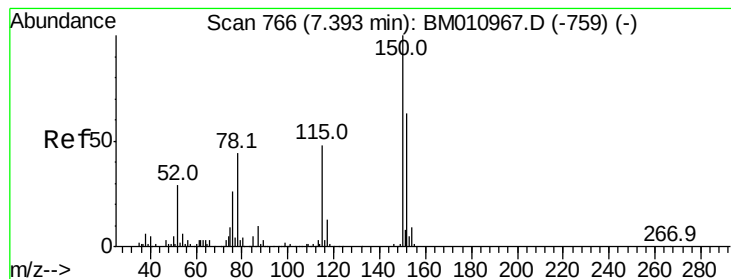
Sohil  
 7/31/2017 6:50:16 PM

Quant Time: Jul 31 17:05:17 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 45) 1,1'-Biphenyl              | 12.86 | 154  | 1725320  | 40.883  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 12.90 | 162  | 1367611  | 43.983  | nq    | 96       |
| 47) 2-Nitroaniline             | 13.12 | 65   | 325823   | 29.620  | nq #  | 65       |
| 48) Acenaphthylene             | 13.76 | 152  | 1668743  | 35.961  | nq    | 99       |
| 49) Dimethylphthalate          | 13.52 | 163  | 1729190  | 41.416  | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 13.63 | 165  | 361693   | 42.840  | nq #  | 49       |
| 51) Acenaphthene               | 14.11 | 154  | 1245992  | 43.365  | nq    | 99       |
| 52) 3-Nitroaniline             | 13.96 | 138  | 182942   | 24.970  | nq #  | 36       |
| 53) 2,4-Dinitrophenol          | 14.17 | 184  | 513114   | 85.514  | nq #  | 87       |
| 54) Dibenzofuran               | 14.45 | 168  | 2254201  | 48.420  | nq #  | 91       |
| 55) 4-Nitrophenol              | 14.29 | 139  | 470945   | 73.162  | nq    | 89       |
| 56) 2,4-Dinitrotoluene         | 14.43 | 165  | 503894   | 42.513  | nq #  | 80       |
| 57) Fluorene                   | 15.10 | 166  | 1826231  | 45.054  | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.68 | 232  | 615882   | 50.266  | nq #  | 100      |
| 59) Diethylphthalate           | 14.90 | 149  | 1827652  | 42.863  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.11 | 204  | 1126045  | 46.012  | nq    | 99       |
| 61) 4-Nitroaniline             | 15.14 | 138  | 216435   | 27.812  | nq #  | 1        |
| 62) Azobenzene                 | 15.40 | 77   | 2154754  | 47.217  | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 15.19 | 198  | 336755   | 41.086  | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.33 | 169  | 406777   | 11.740  | nq    | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.00 | 248  | 727458   | 46.739  | nq #  | 89       |
| 67) Hexachlorobenzene          | 16.11 | 284  | 763974   | 43.438  | nq #  | 87       |
| 69) Pentachlorophenol          | 16.46 | 266  | 940384   | 84.219  | nq    | 96       |
| 70) Phenanthrene               | 16.84 | 178  | 2908586  | 45.880  | nq    | 100      |
| 71) Anthracene                 | 16.93 | 178  | 2839174  | 44.905  | nq    | 98       |
| 72) Carbazole                  | 17.21 | 167  | 332710   | 6.017   | nq    | 98       |
| 73) Di-n-butylphthalate        | 17.80 | 149  | 2853486  | 42.378  | nq #  | 97       |
| 74) Fluoranthene               | 18.87 | 202  | 3299624  | 42.000  | nq    | 97       |
| 77) Pvrene                     | 19.24 | 202  | 3019258  | 43.694  | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.18 | 149  | 1046066  | 42.572  | nq #  | 69       |
| 80) Benzo(a)anthracene         | 21.00 | 228  | 2995430  | 45.110  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 81800    | 3.140   | nq    | 96       |
| 82) Chrysene                   | 21.06 | 228  | 2879004  | 45.168  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 20.97 | 149  | 1567739  | 43.370  | nq #  | 96       |
| 84) Di-n-octyl phthalate       | 21.82 | 149  | 2573399  | 43.863  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.21 | 276  | 2452395  | 37.150  | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 22.51 | 252  | 3053393  | 345.052 | nq #  | 92       |
| 88) Benzo(k)fluoranthene       | 22.55 | 252  | 2602750  | 306.876 | nq #  | 96       |
| 89) Benzo(a)pyrene             | 23.04 | 252  | 2081468  | 259.949 | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 25.22 | 278  | 2724870  | 367.086 | nq #  | 91       |
| 91) Benzo(g,h,i)perylene       | 25.84 | 276  | 2024838  | 277.794 | nq #  | 83       |

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





#1

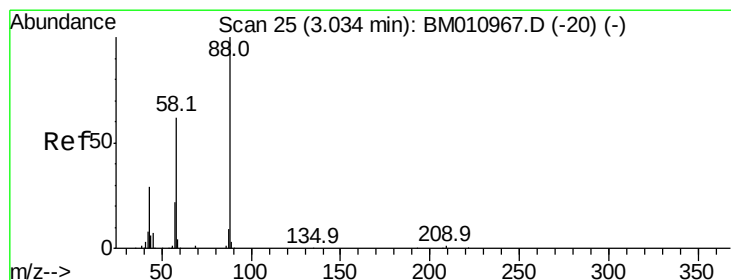
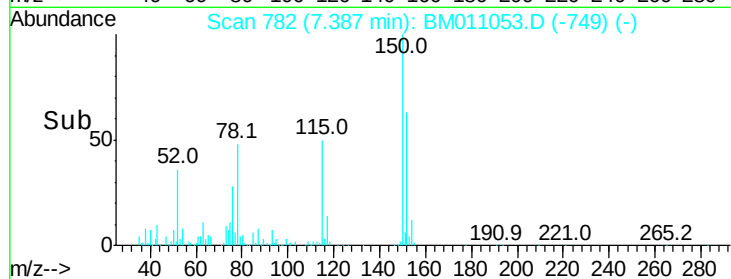
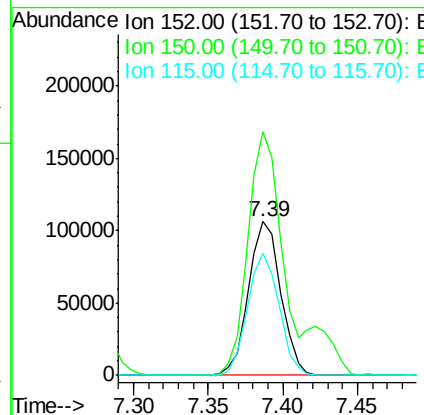
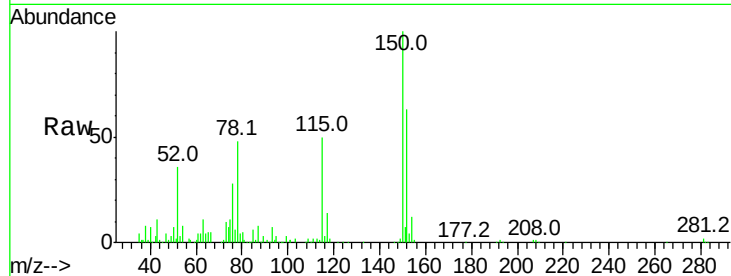
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 119.5 | 179.3 |
| 115     | 79.3  | 43.0  | 64.4# |

Manual Integrations  
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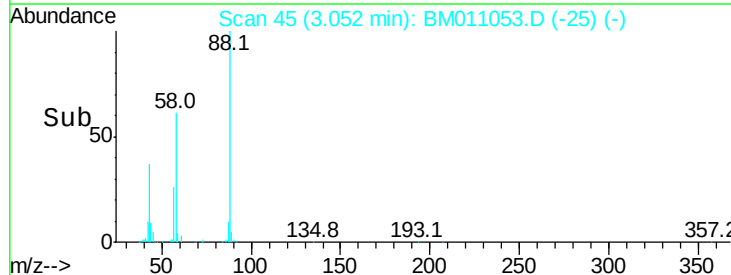
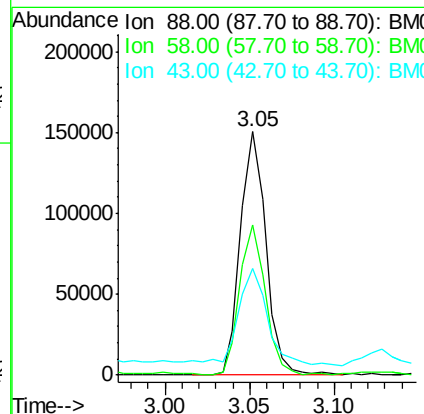
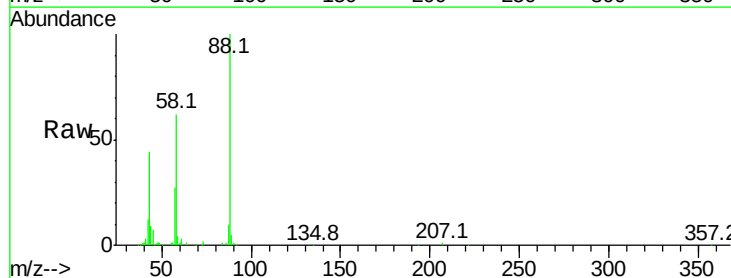
Sohil  
7/31/2017 6:50:16 PM

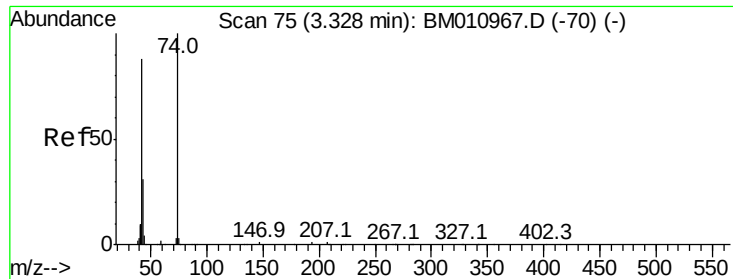


#2

1,4-Dioxane  
Concen: 37.825 ng  
RT: 3.05 min Scan# 45  
Delta R.T. 0.02 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.2  | 0.0   | 0.0#  |
| 43      | 42.0  | 0.0   | 0.0#  |





#4

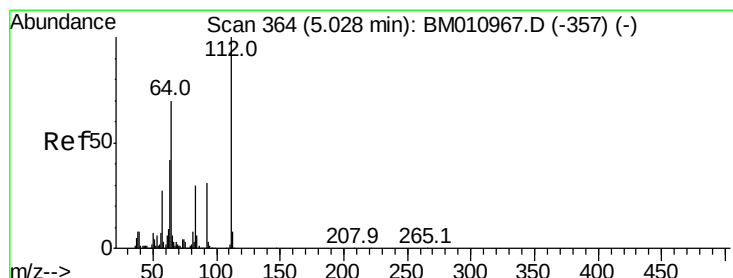
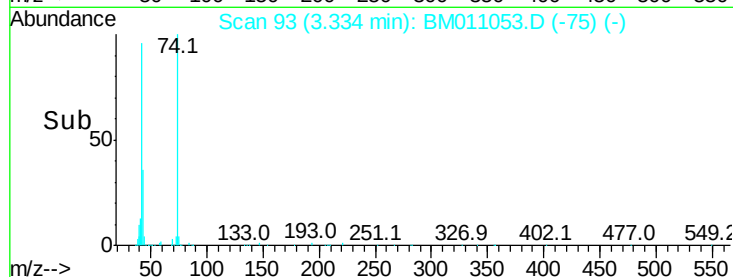
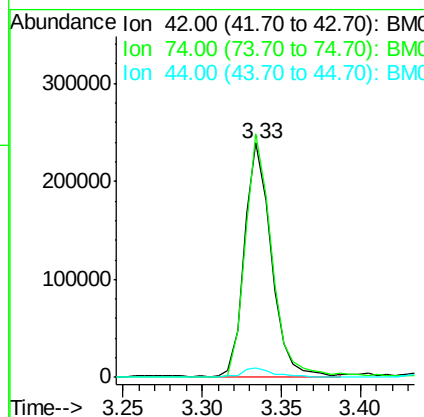
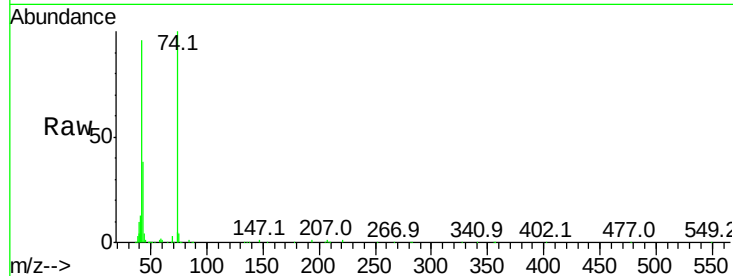
n-Nitrosodimethylamine  
 Concen: 47.525 ng  
 RT: 3.33 min Scan# 93  
 Delta R.T. 0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 103.9 | 119.3 | 178.9# |
| 44      | 4.1   | 5.4   | 8.2#   |

Manual Integrations  
 APPROVED

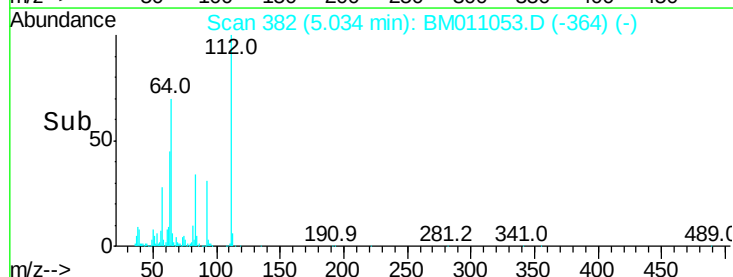
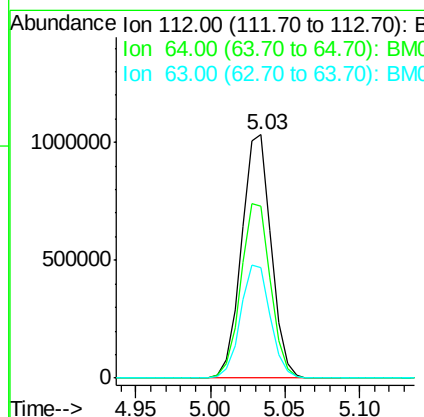
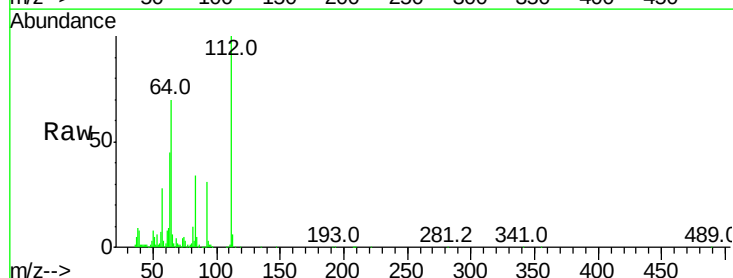
Sohil  
 7/31/2017 6:50:16 PM

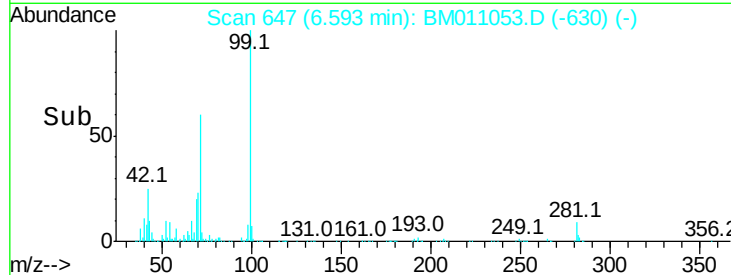
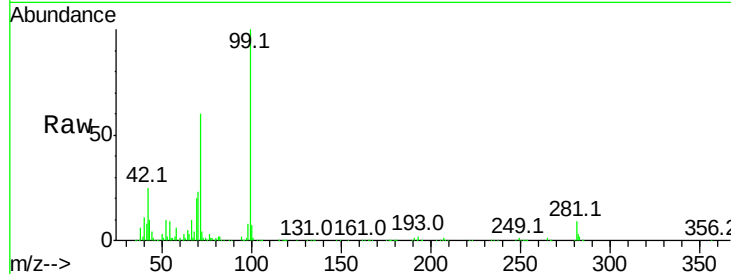
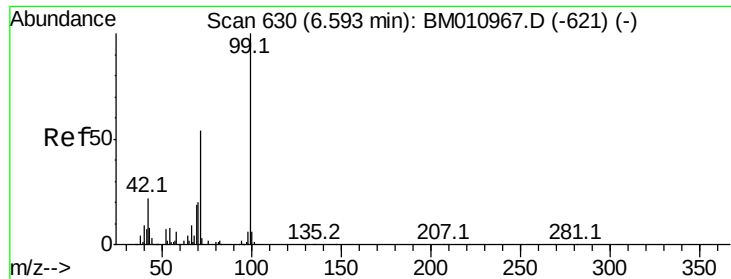


#5

2-Fluorophenol  
 Concen: 151.299 ng  
 RT: 5.03 min Scan# 382  
 Delta R.T. 0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.4  | 38.6  | 57.8# |
| 63      | 45.3  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 140.934 ng

RT: 6.59 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Tot Ion: 99 Resp: 1874585

Ion Ratio Lower Upper

99 100

42 24.7 11.0 16.4#

71 59.6 23.4 35.2#

Instrument :

BNA\_M

ClientSampleId :

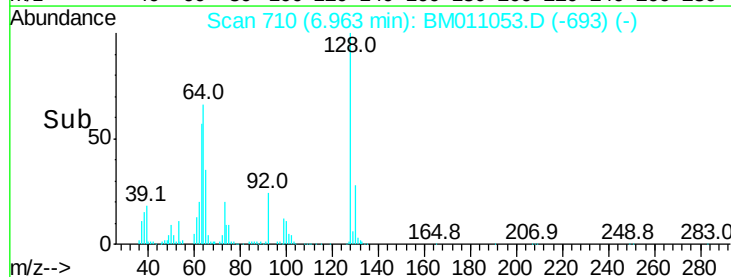
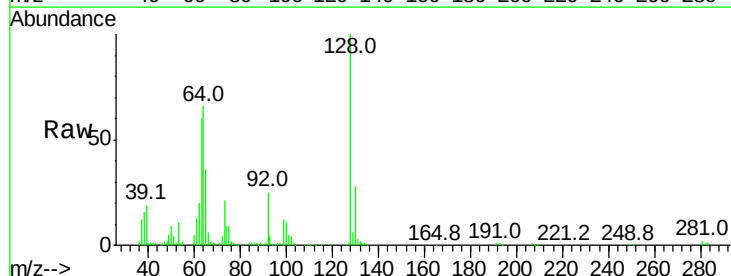
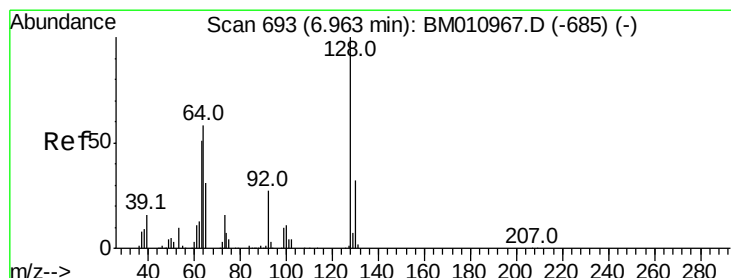
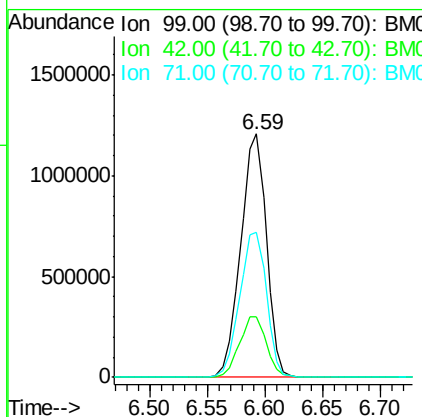
OK-03-072617-AMS

Manual Integrations

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#8

2-Chlorophenol

Concen: 43.643 ng

RT: 6.96 min Scan# 710

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

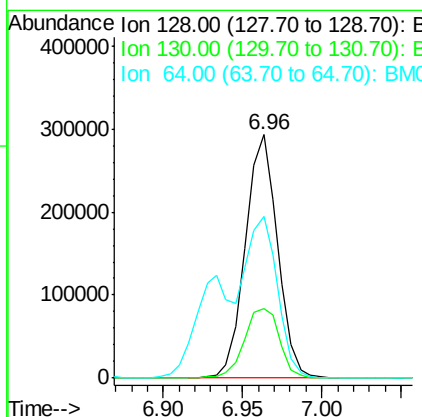
Tgt Ion: 128 Resp: 414805

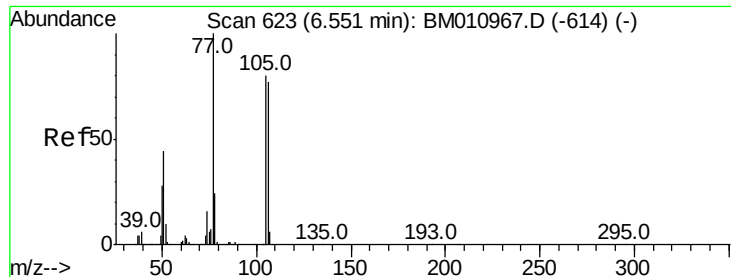
Ion Ratio Lower Upper

128 100

130 28.4 12.0 52.0

64 66.2 24.9 64.9#





#9

Benzaldehyde

Concen: 55.694 ng

RT: 6.55 min Scan# 640

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion: 77 Resp: 479309

Ion Ratio Lower Upper

77 100

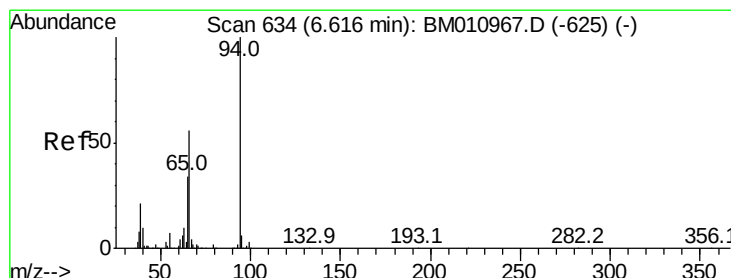
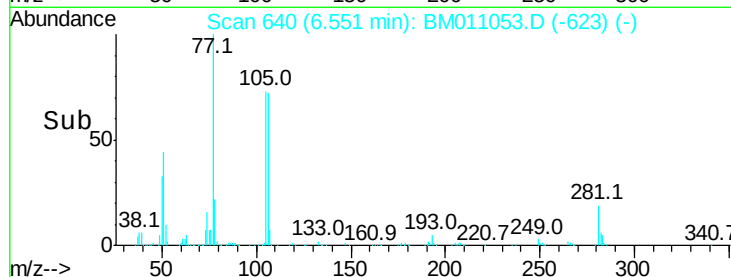
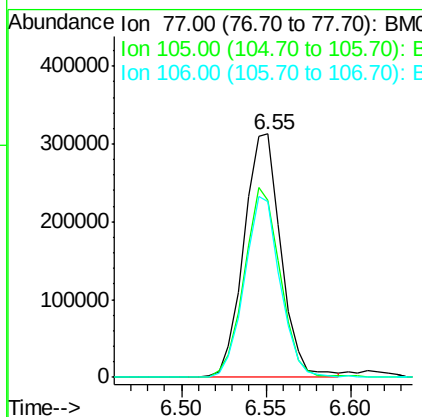
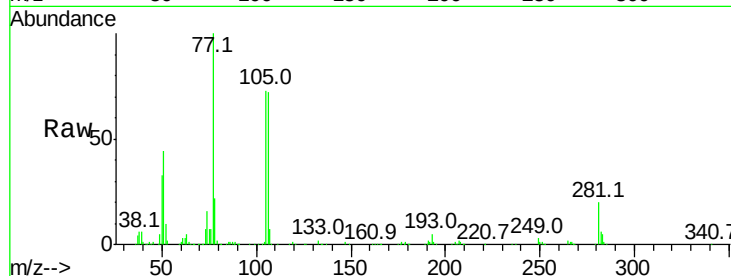
105 72.8 78.8 118.8#

106 72.4 73.7 113.7#

Manual Integrations  
APPROVED

Sohil

7/31/2017 6:50:16 PM



#10

Phenol

Concen: 43.071 ng

RT: 6.62 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

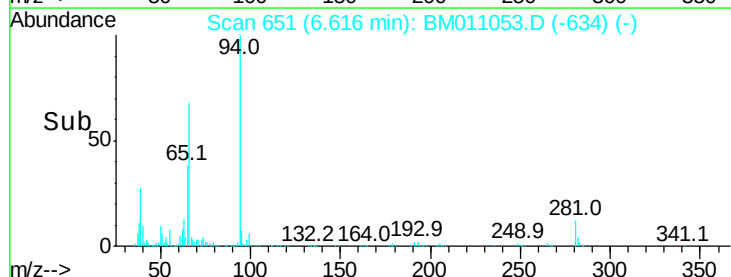
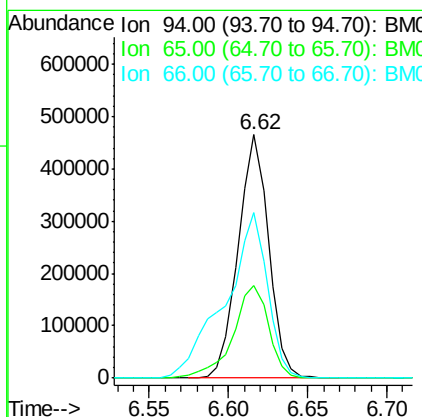
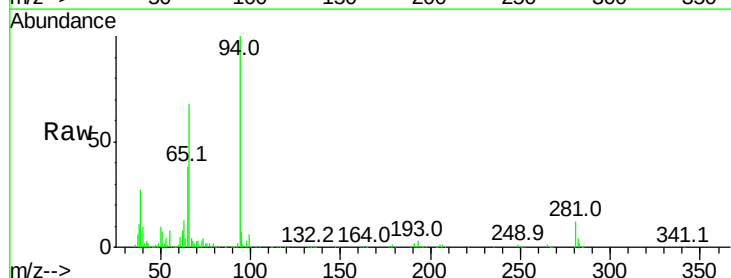
Tgt Ion: 94 Resp: 622249

Ion Ratio Lower Upper

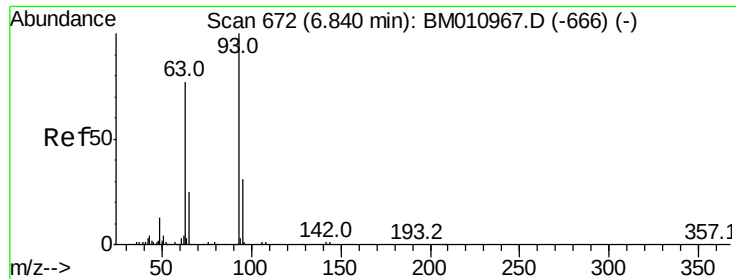
94 100

65 38.1 18.8 58.8

66 67.9 39.9 79.9







#11

bis(2-Chloroethyl)ether

Concen: 50.866 ng

RT: 6.84 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

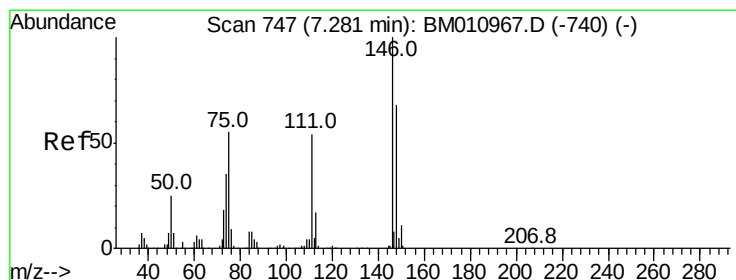
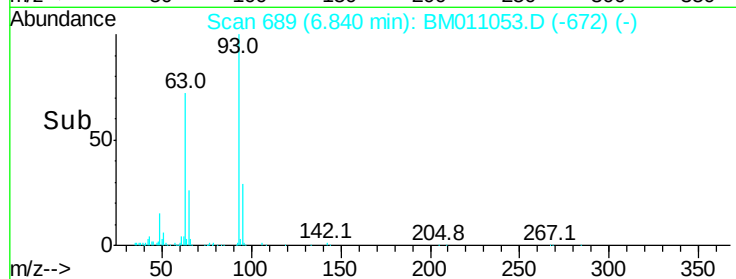
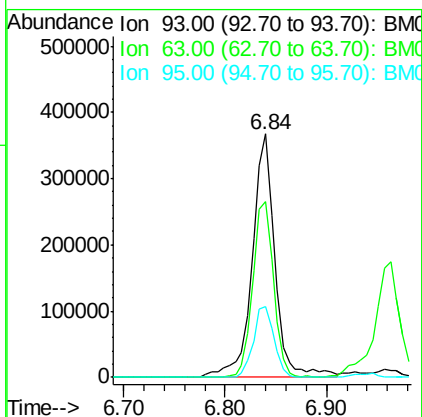
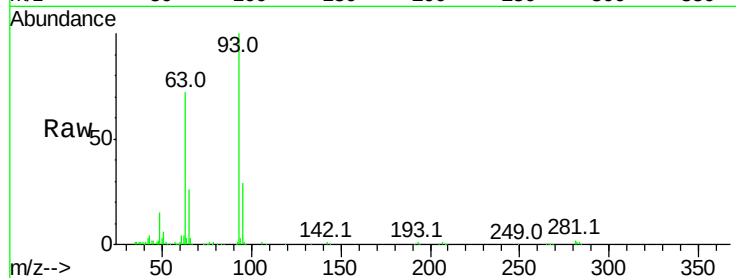
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 572596 |       |       |
| 63      | 72.1  | 49.5   | 89.5  |       |
| 95      | 29.1  | 13.5   | 53.5  |       |

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#12

1,3-Dichlorobenzene

Concen: 41.124 ng

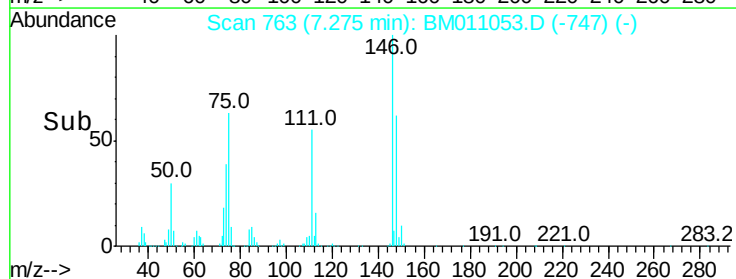
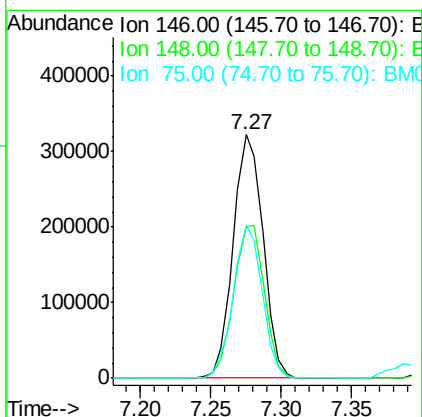
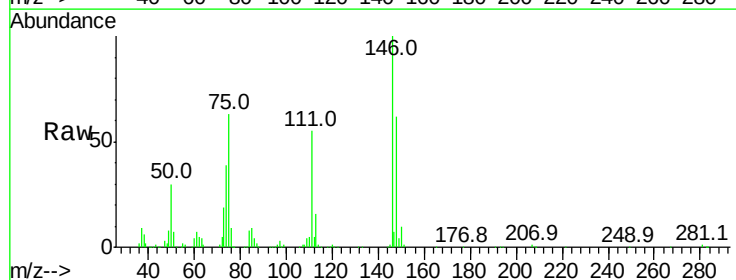
RT: 7.27 min Scan# 763

Delta R.T. -0.01 min

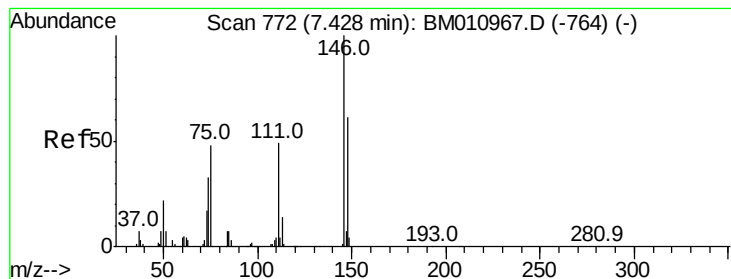
Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 476352 |       |       |
| 148     | 62.3  | 50.9   | 76.3  |       |
| 75      | 62.5  | 21.4   | 32.2  |       |







#13

1,4-Dichlorobenzene

Concen: 40.442 ng

RT: 7.42 min Scan# 788

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

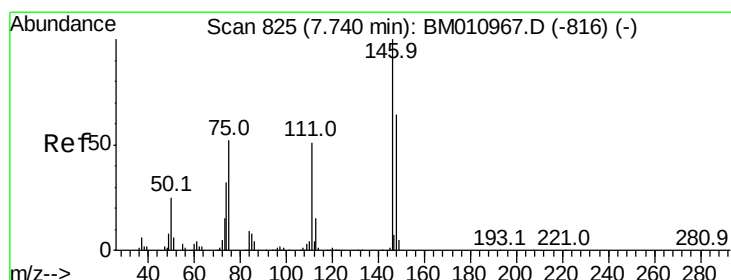
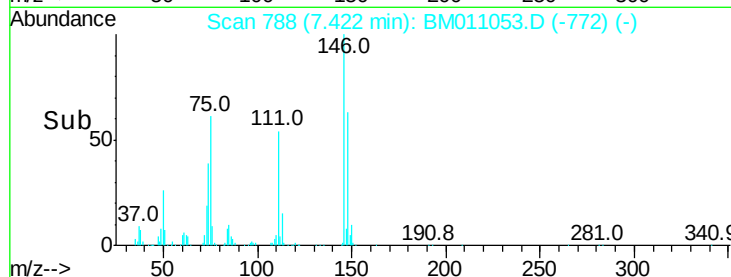
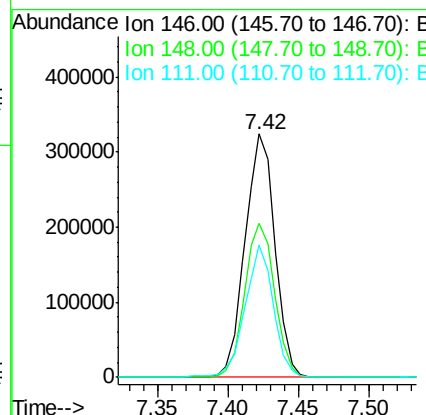
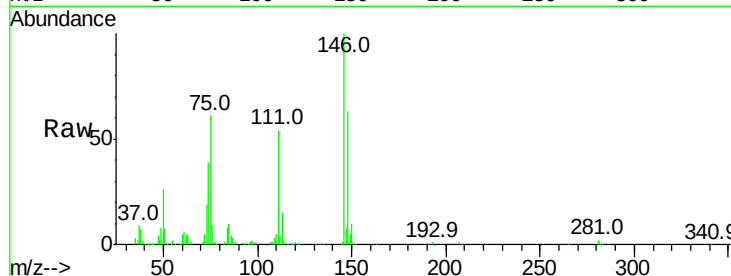
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 51.9  | 77.9  |
| 111     | 54.4  | 29.2  | 43.8  |

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#14

1,2-Dichlorobenzene

Concen: 41.480 ng

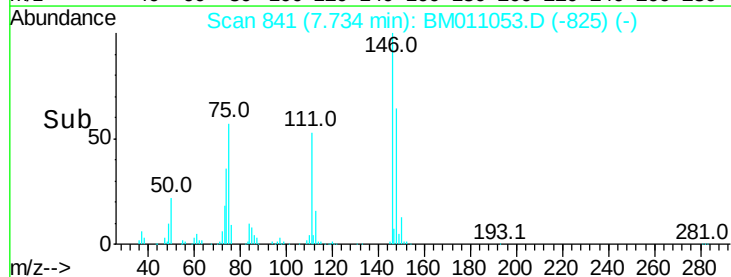
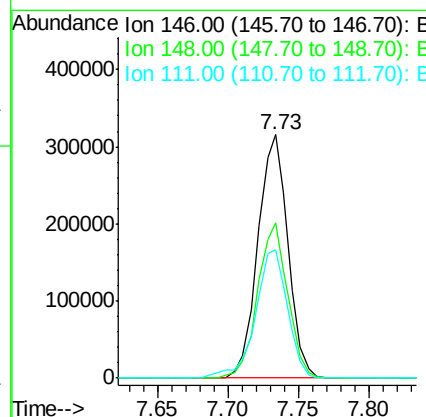
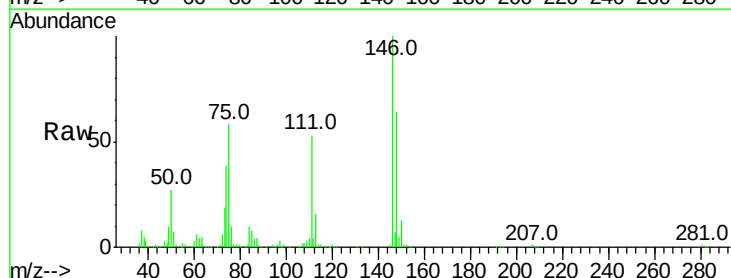
RT: 7.73 min Scan# 841

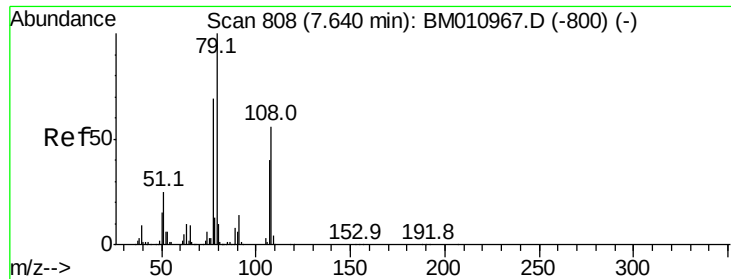
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 52.3  | 78.5  |
| 111     | 52.7  | 30.6  | 45.8  |





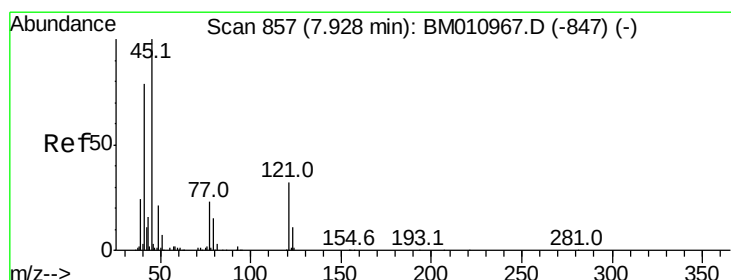
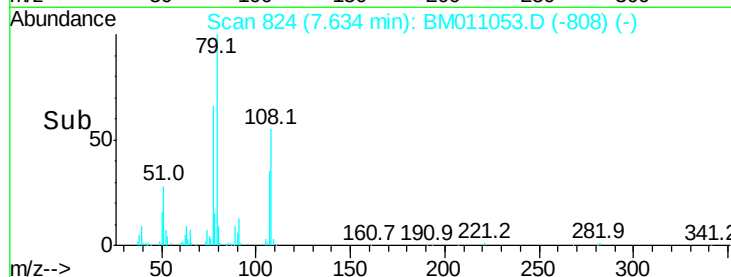
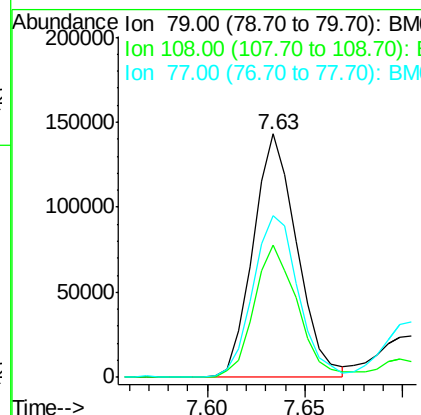
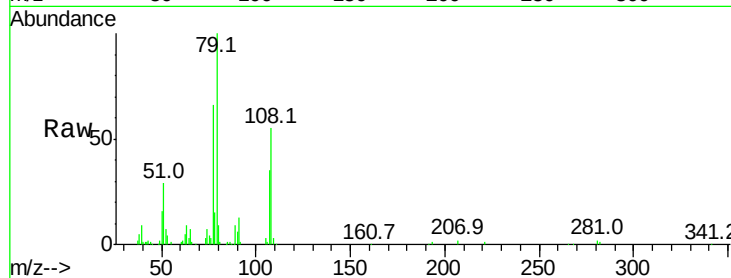
#15  
Benzyl Alcohol  
Concen: 17.424 ng  
RT: 7.63 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 79      | 100   |      |       |       |
| 108     | 54.5  | 65.0 | 97.4# |       |
| 77      | 66.3  | 53.0 | 79.6  |       |

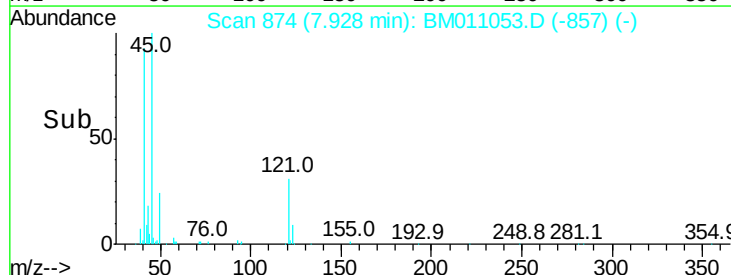
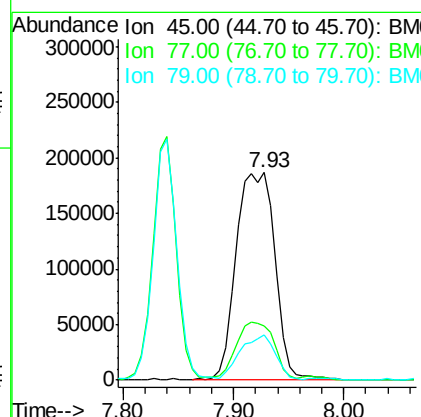
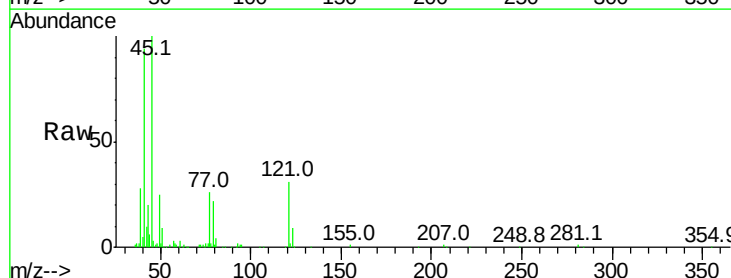
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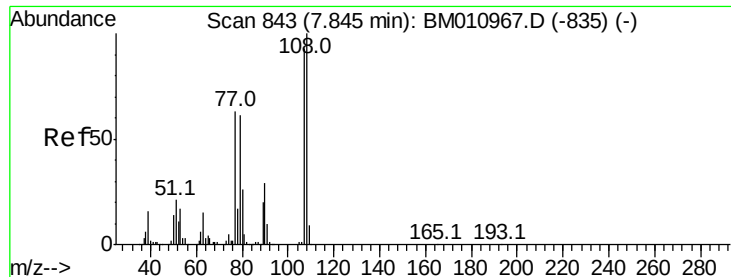
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 45.477 ng  
RT: 7.93 min Scan# 874  
Delta R.T. 0.00 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 45      | 100   |      |       |       |
| 77      | 26.1  | 0.0  | 35.2  |       |
| 79      | 22.1  | 0.0  | 32.0  |       |





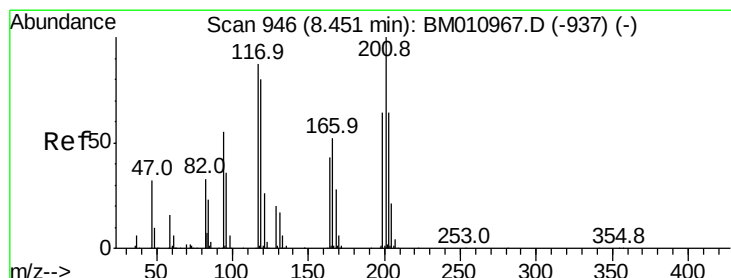
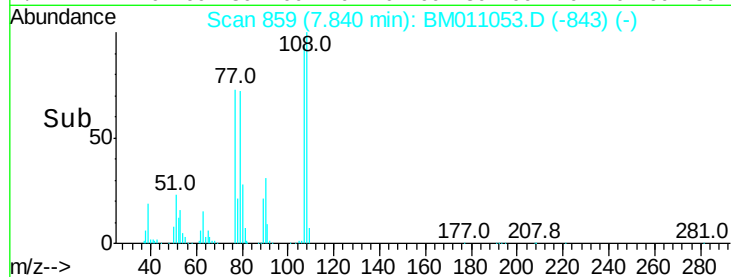
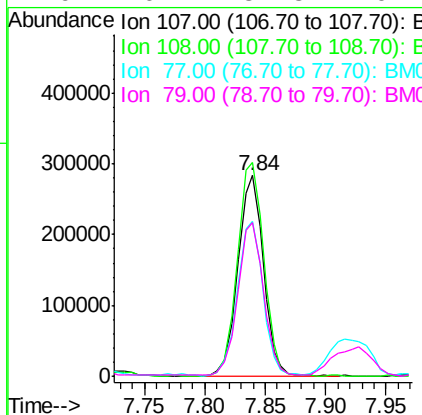
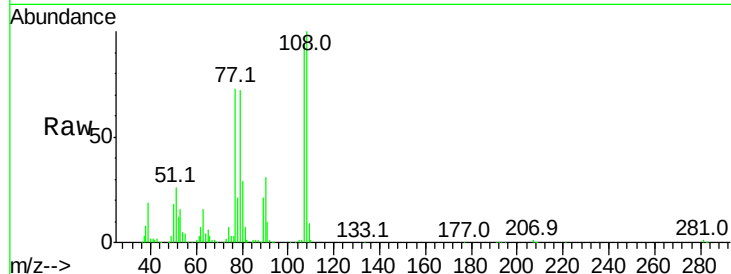
#17  
2-Methylphenol  
Concen: 45.639 ng  
RT: 7.84 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 106.5 | 89.8 | 134.8 |       |
| 77      | 77.4  | 32.6 | 48.8# |       |
| 79      | 76.7  | 32.8 | 49.2# |       |

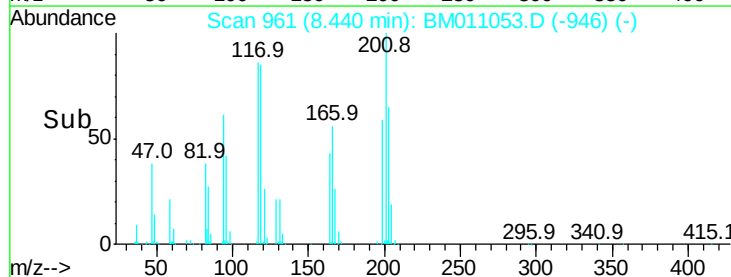
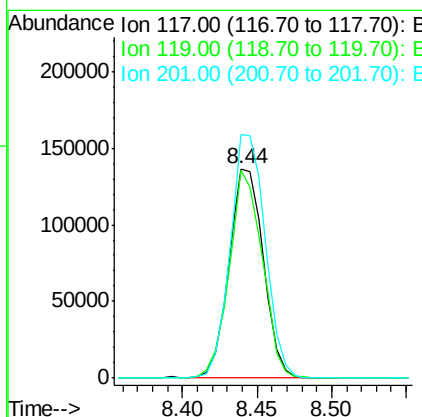
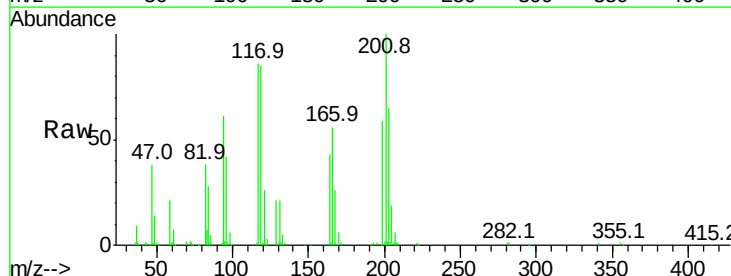
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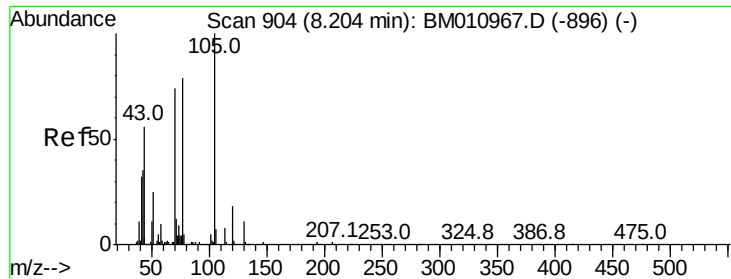
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#18  
Hexachloroethane  
Concen: 42.486 ng  
RT: 8.44 min Scan# 961  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 117     | 100   |      |        |       |
| 119     | 99.1  | 79.2 | 118.8  |       |
| 201     | 116.2 | 69.8 | 104.6# |       |





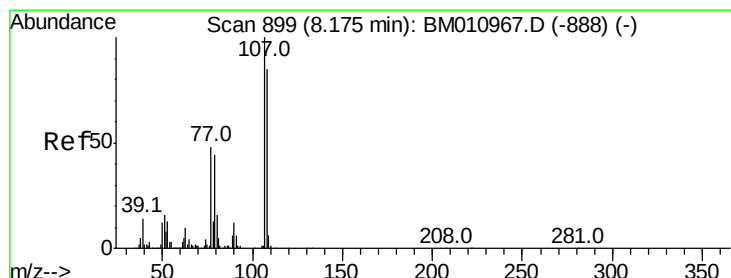
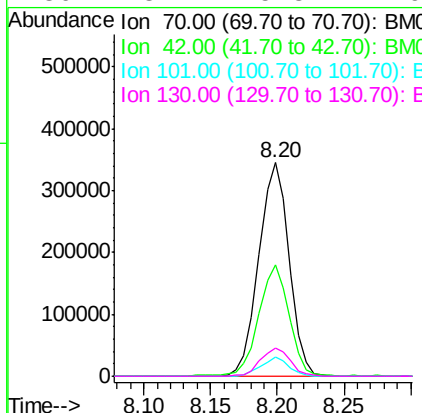
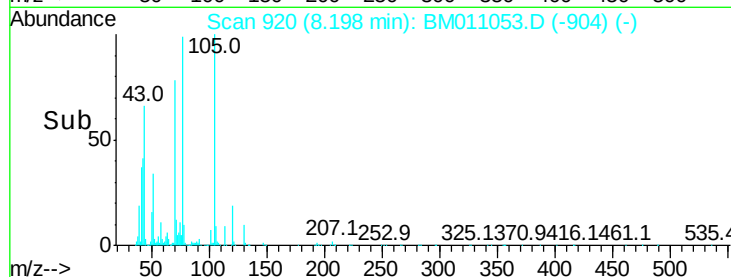
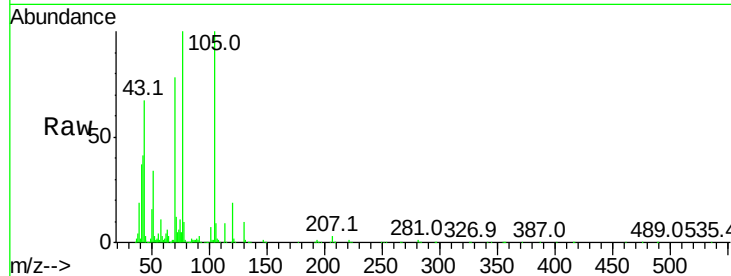
#19  
n-Nitroso-di-n-propylamine  
Concen: 47.861 ng  
RT: 8.20 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion   | 70    | Resp  | 540976 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 52.0  | 44.5  | 66.7   |
| 101       | 9.1   | 7.4   | 11.2   |
| 130       | 13.4  | 15.3  | 22.9#  |

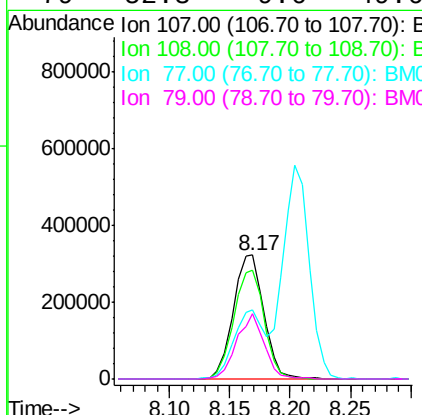
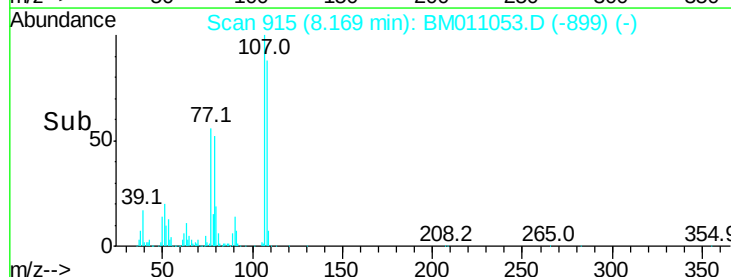
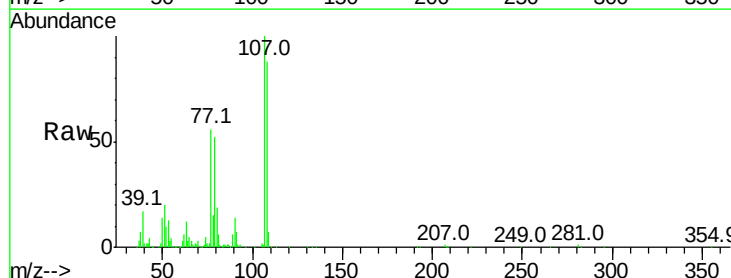
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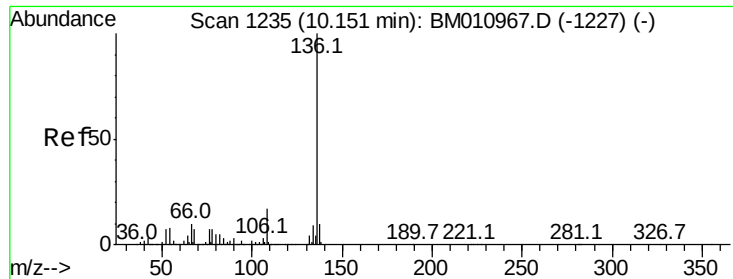
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#20  
3+4-Methylphenols  
Concen: 44.300 ng  
RT: 8.17 min Scan# 915  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion   | 107   | Resp  | 568603 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 88.4  | 73.2  | 113.2  |
| 77        | 56.2  | 10.7  | 50.7#  |
| 79        | 52.3  | 9.6   | 49.6#  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.15 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:136 Resp: 684898

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

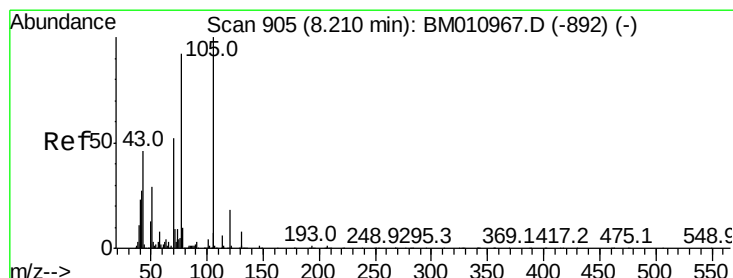
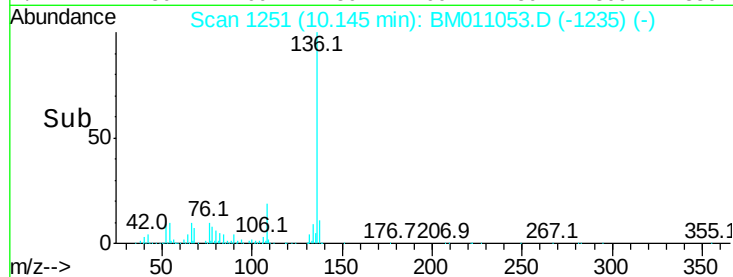
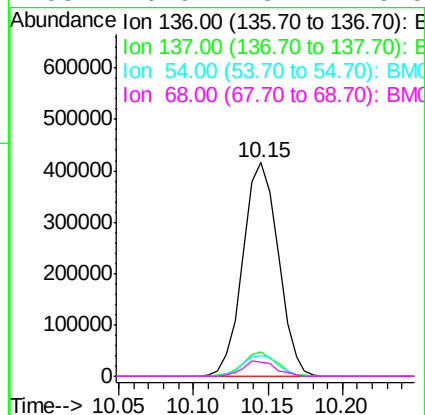
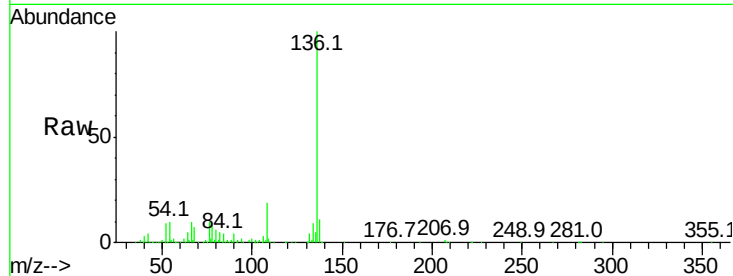
54 9.5 4.6 6.8#

68 6.6 3.7 5.5#

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#22

Acetophenone

Concen: 40.918 ng

RT: 8.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Tgt Ion:105 Resp: 840070

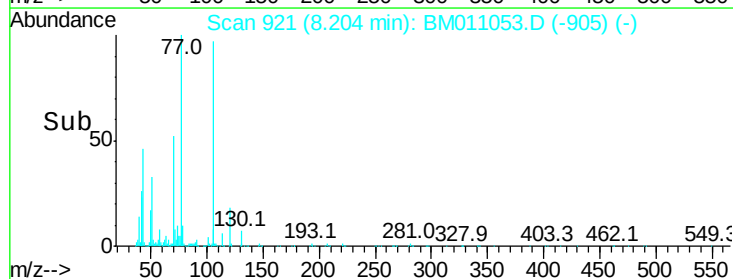
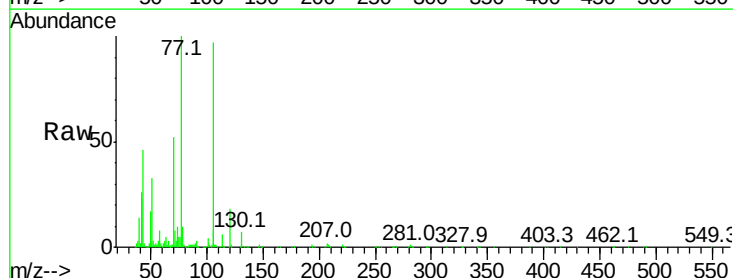
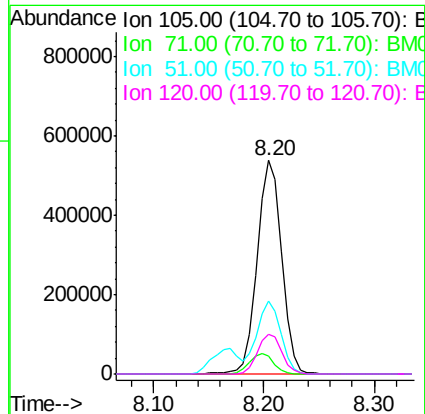
Ion Ratio Lower Upper

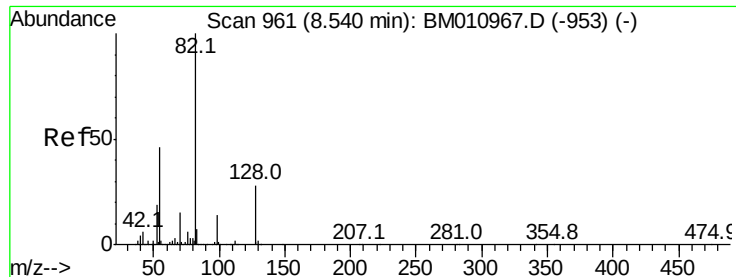
105 100

71 8.1 0.6 1.0#

51 34.0 21.6 32.4#

120 18.4 16.1 24.1





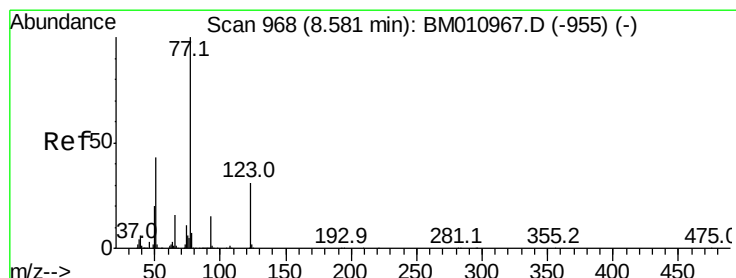
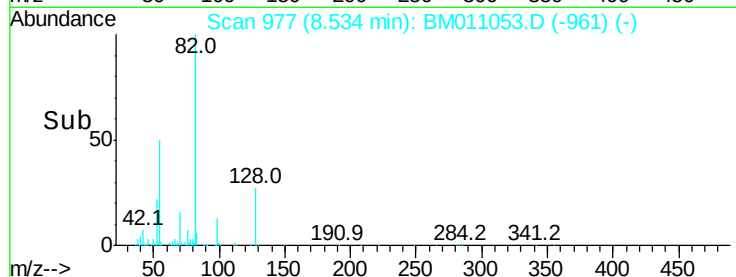
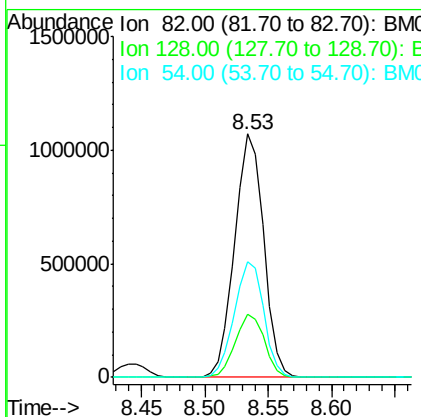
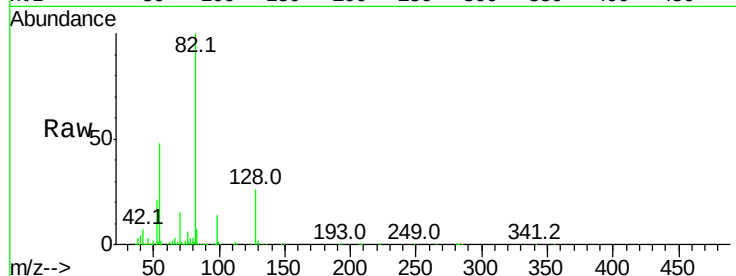
#23  
 Nitrobenzene-d5  
 Concen: 93.234 ng  
 RT: 8.53 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 25.7  | 32.8  | 49.2# |
| 54      | 47.6  | 40.6  | 60.8  |

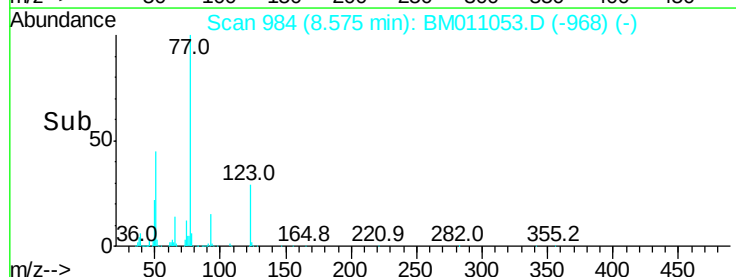
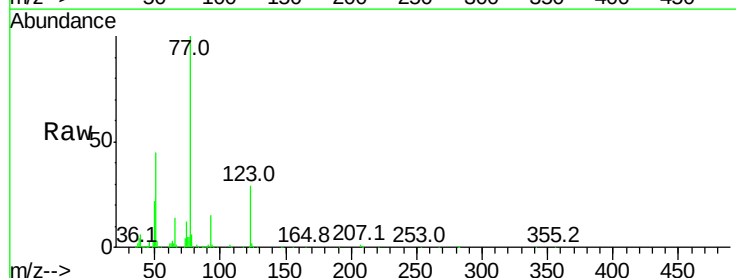
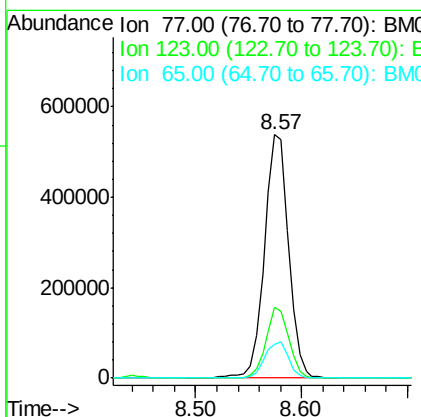
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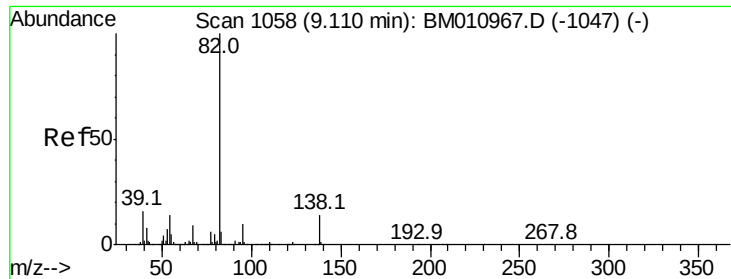
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#24  
 Nitrobenzene  
 Concen: 44.962 ng  
 RT: 8.57 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 29.2  | 32.6  | 49.0# |
| 65      | 14.0  | 10.9  | 16.3  |





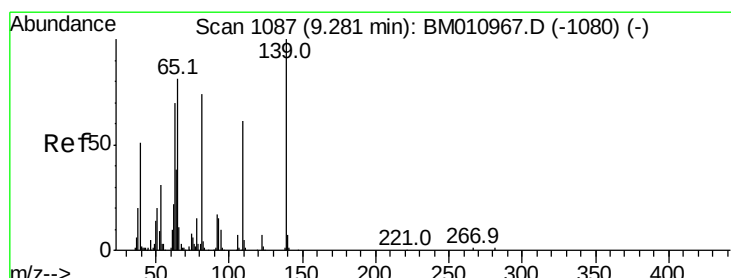
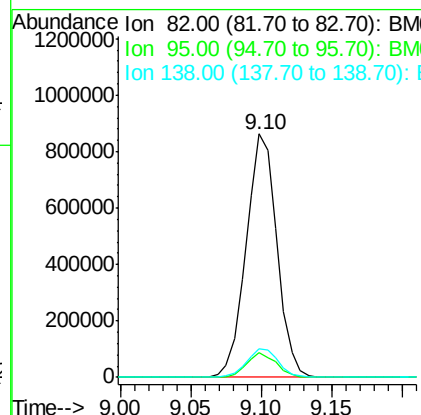
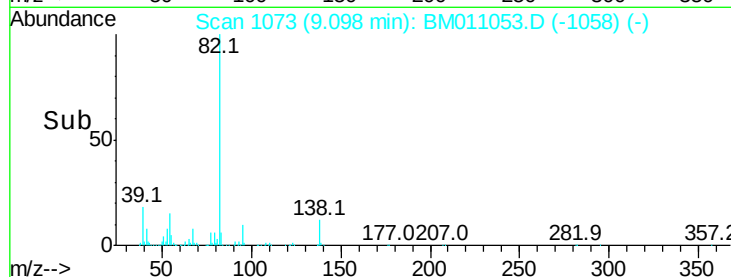
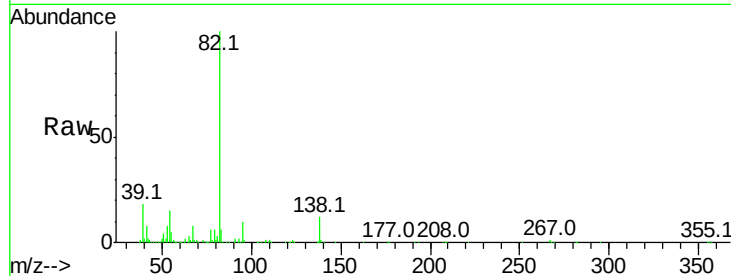
#25  
Isophorone  
Concen: 43.327 ng  
RT: 9.10 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 10.2  | 5.8   | 8.6#  |
| 138     | 12.0  | 16.3  | 24.5# |

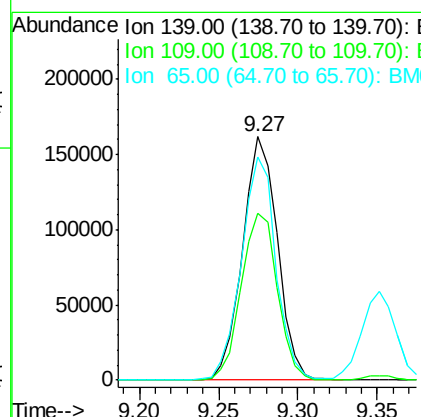
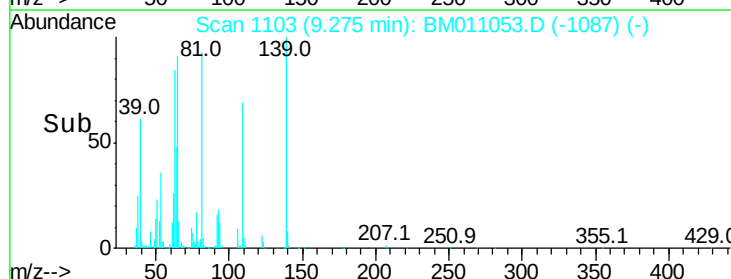
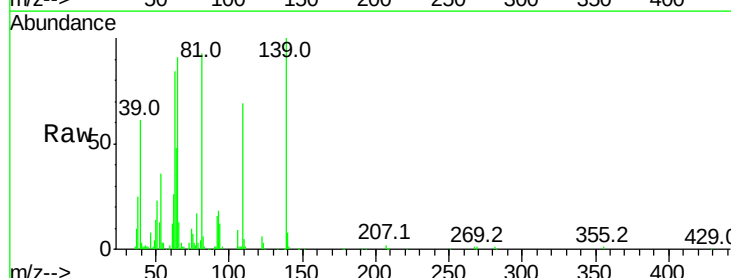
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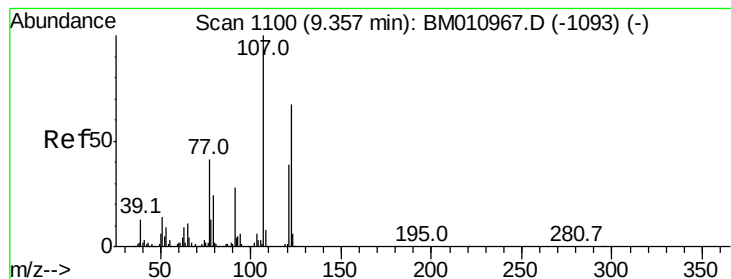


#26  
2-Nitrophenol  
Concen: 41.157 ng  
RT: 9.27 min Scan# 1103  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 68.8  | 20.1  | 30.1# |
| 65      | 91.5  | 31.5  | 47.3# |







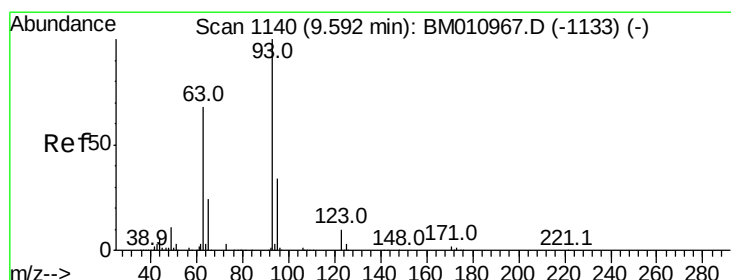
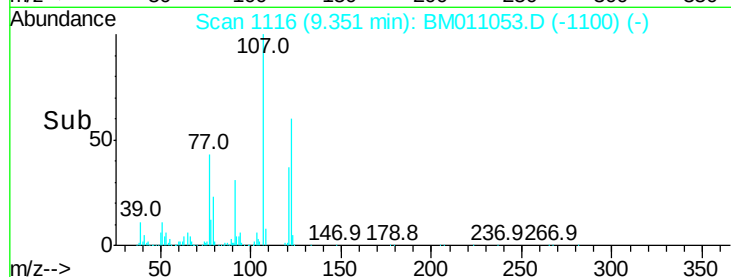
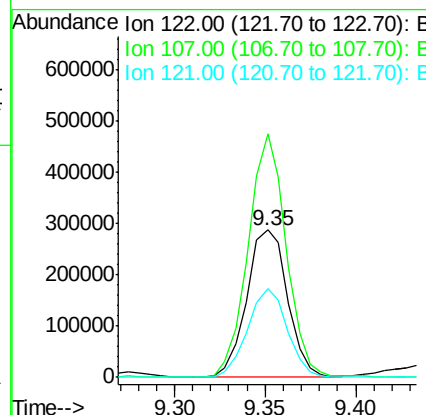
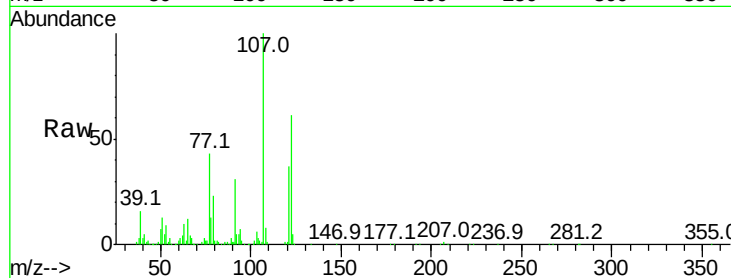
#27  
 2,4-Dimethylphenol  
 Concen: 42.739 ng  
 RT: 9.35 min Scan# 1116  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 165.1 | 84.7  | 127.1# |
| 121     | 60.5  | 46.6  | 69.8   |

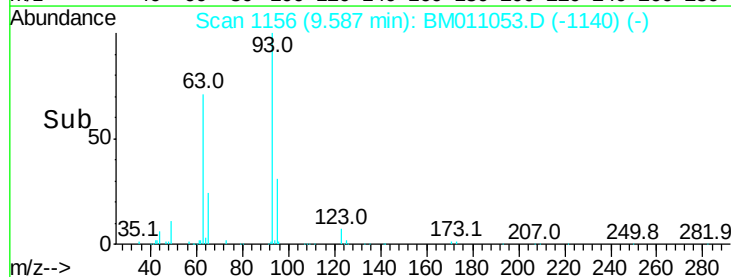
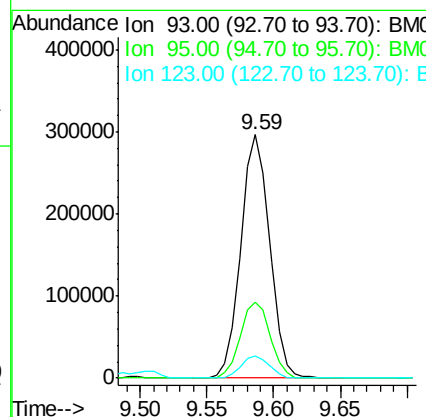
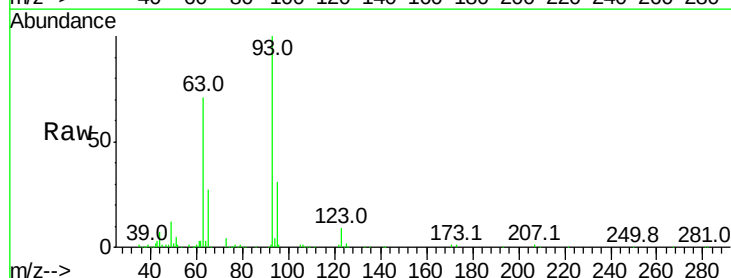
Manual Integrations  
 APPROVED

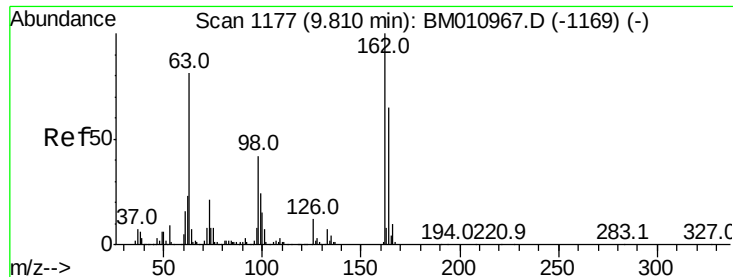
Sohil  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 26.121 ng  
 RT: 9.59 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.4  | 25.5  | 38.3  |
| 123     | 9.1   | 8.6   | 13.0  |





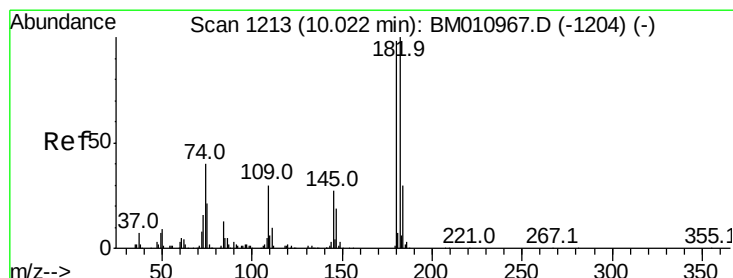
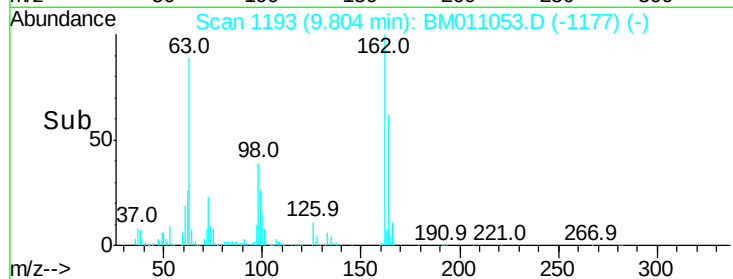
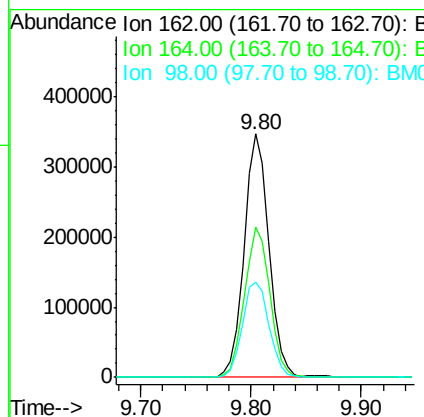
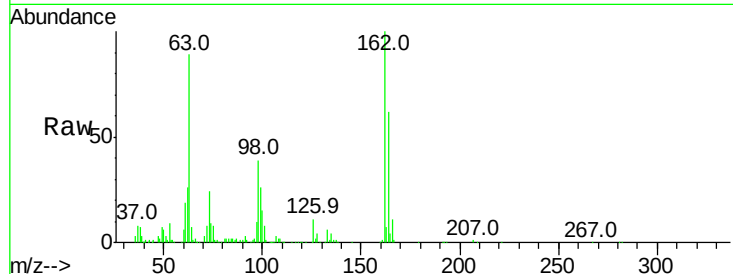
#29  
 2,4-Dichlorophenol  
 Concen: 46.096 ng  
 RT: 9.80 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 61.8  | 42.8       | 82.8  |
| 98      | 39.1  | 14.5       | 54.5  |

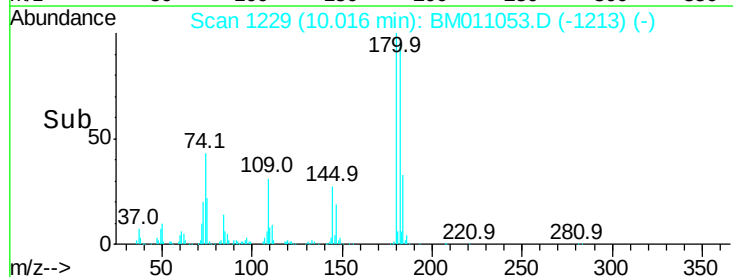
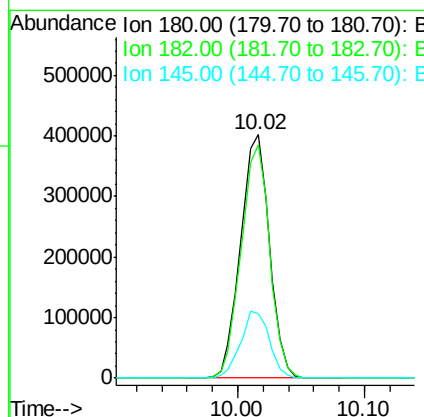
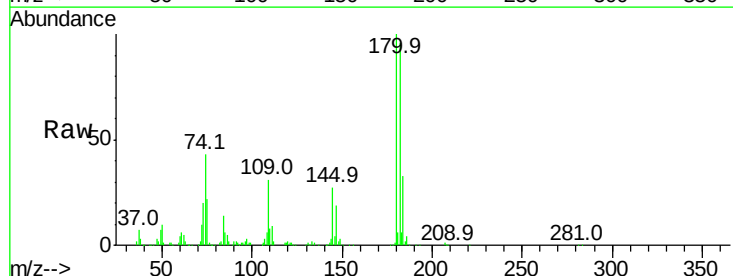
Manual Integrations  
 APPROVED

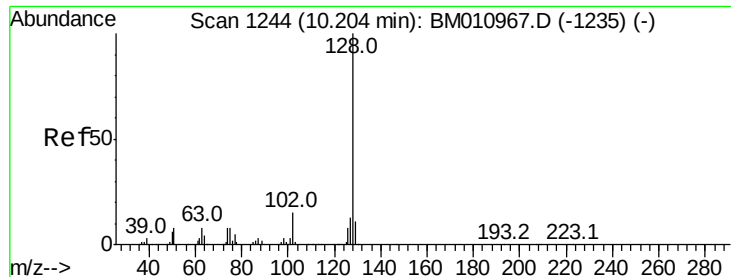
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.015 ng  
 RT: 10.02 min Scan# 1229  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.7  | 77.6       | 116.4 |
| 145     | 26.7  | 23.4       | 35.2  |





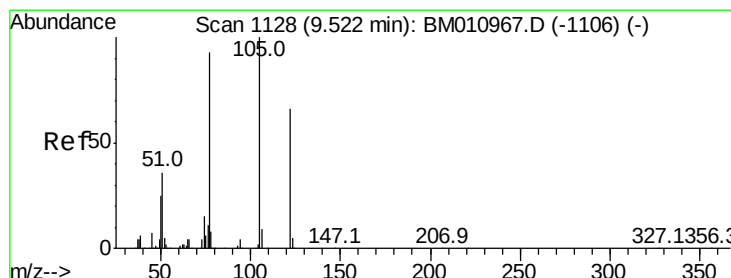
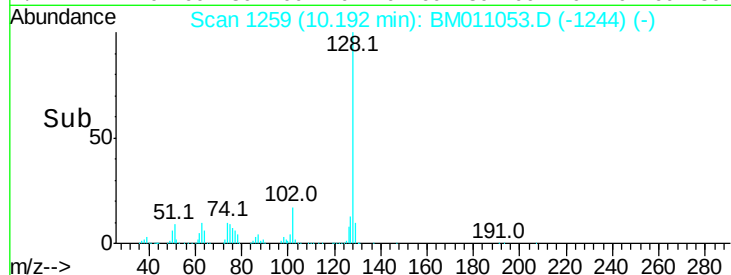
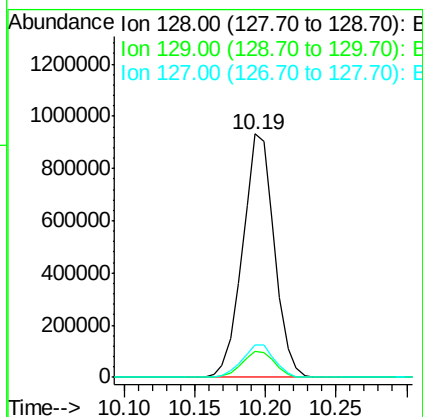
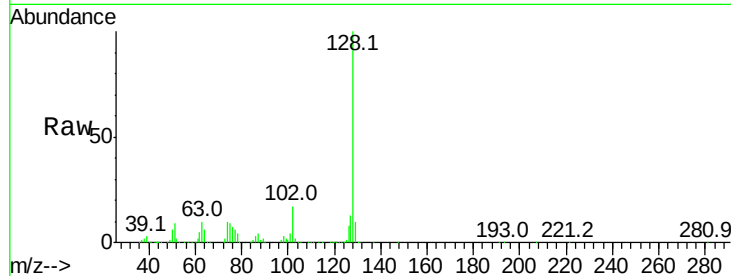
#31  
Naphthalene  
Concen: 42.373 ng  
RT: 10.19 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.4  | 8.9   | 13.3  |
| 127     | 13.4  | 10.4  | 15.6  |

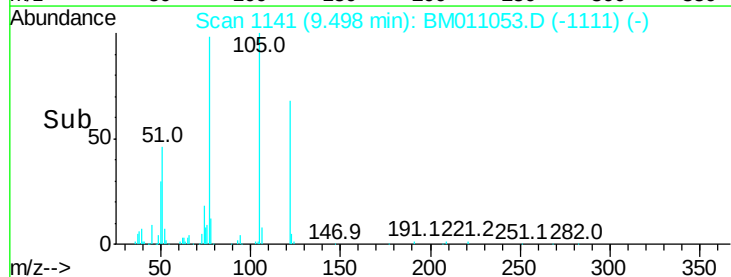
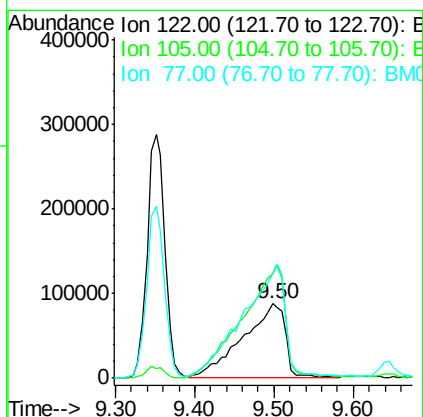
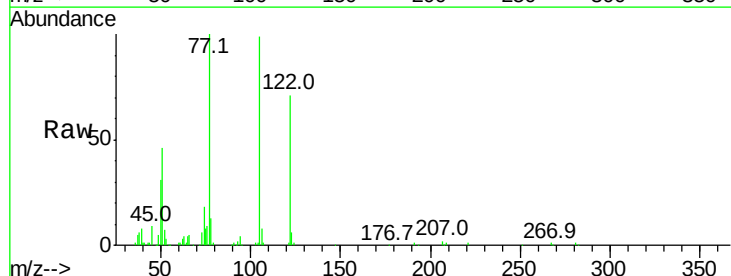
Manual Integrations  
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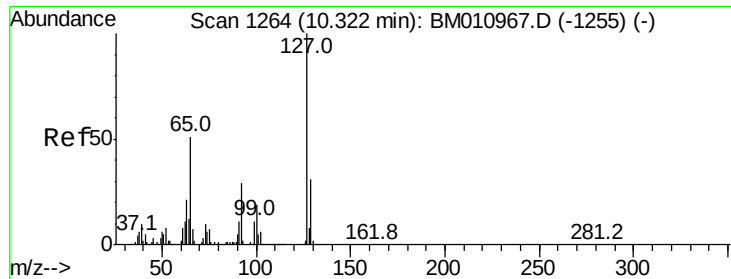
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#32  
Benzoic acid  
Concen: 37.602 ng  
RT: 9.50 min Scan# 1141  
Delta R.T. -0.02 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 140.7 | 99.9  | 139.9# |
| 77      | 141.8 | 73.7  | 113.7# |





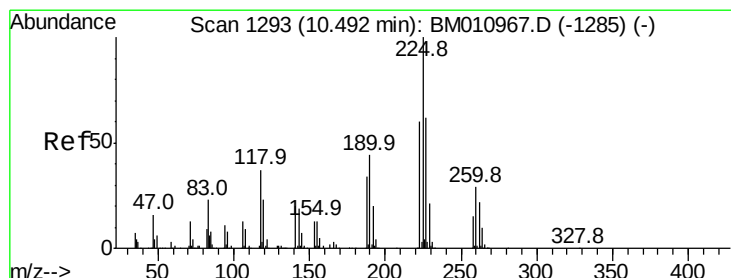
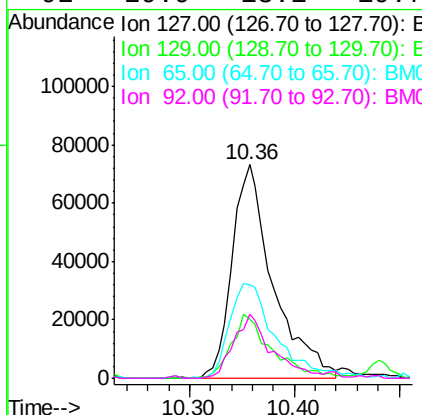
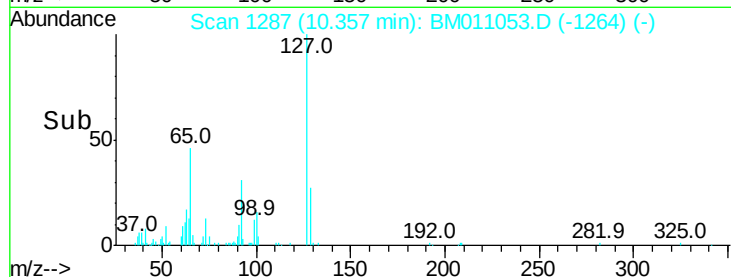
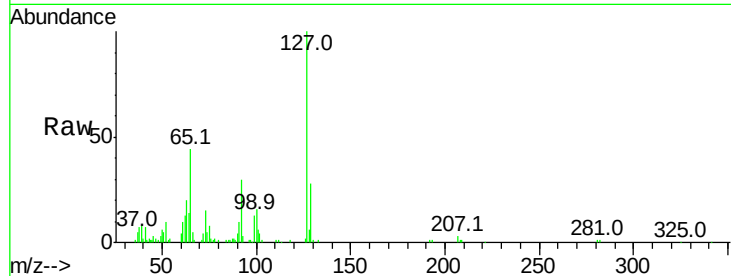
#33  
 4-Chloroaniline  
 Concen: 14.468 ng/ml  
 RT: 10.36 min Scan# 1287  
 Delta R.T. 0.04 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 127     | 100   |            |       |
| 129     | 27.6  | 25.3       | 37.9  |
| 65      | 44.1  | 17.6       | 26.4  |
| 92      | 29.9  | 13.1       | 19.7  |

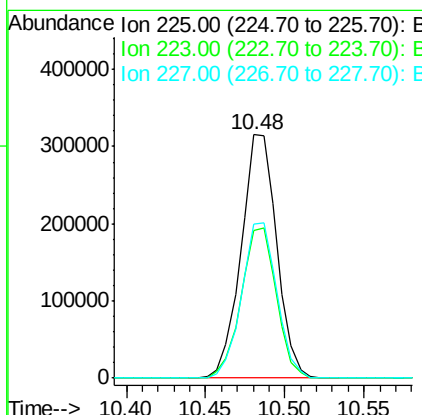
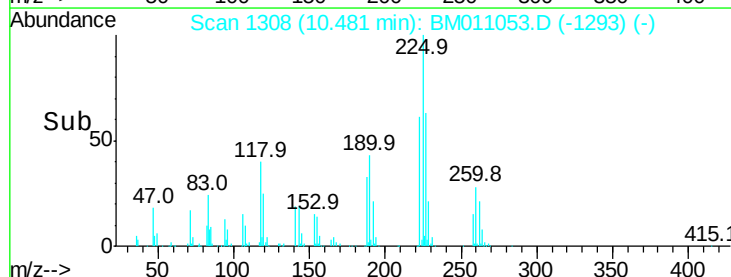
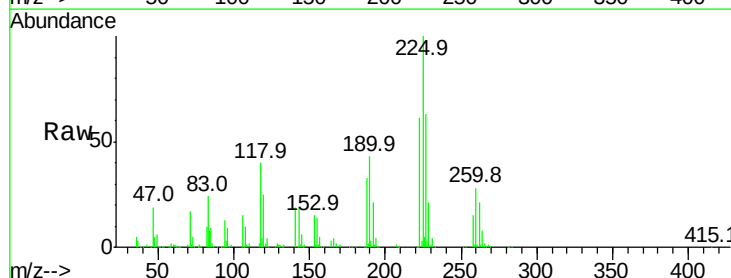
Manual Integrations  
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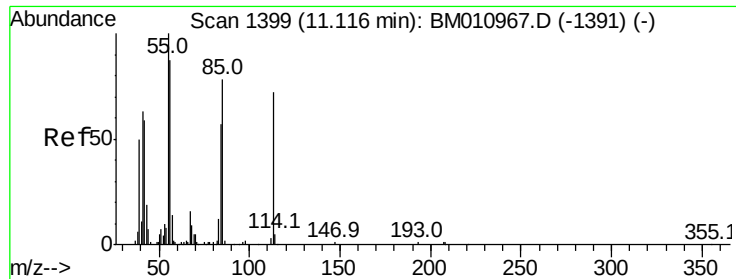
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#34  
 Hexachlorobutadiene  
 Concen: 42.388 ng/ml  
 RT: 10.48 min Scan# 1308  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 225     | 100   |            |       |
| 223     | 60.6  | 47.9       | 71.9  |
| 227     | 63.1  | 50.1       | 75.1  |





#35

Caprolactam

Concen: 27.352 ng m

RT: 11.16 min Scan# 1423

Delta R.T. 0.04 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

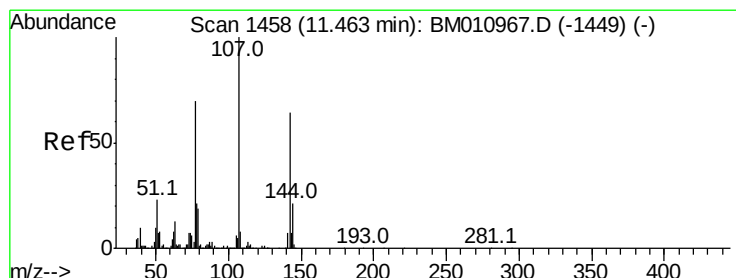
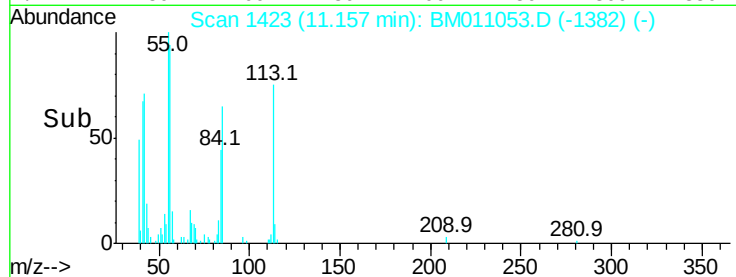
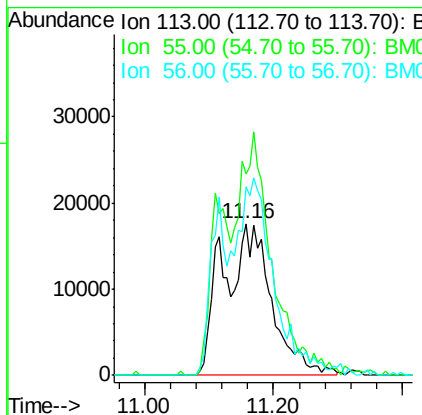
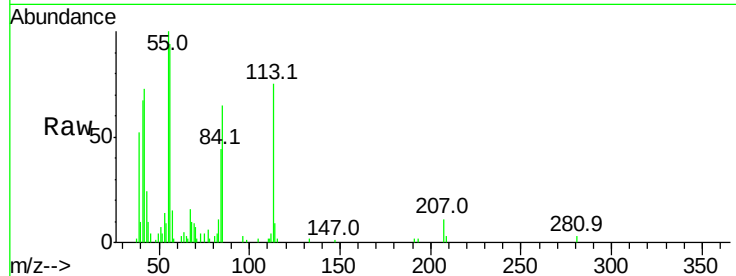
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 133.2 | 145.9 | 185.9# |
| 56      | 124.8 | 101.0 | 141.0  |

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#36

4-Chloro-3-methylphenol

Concen: 41.128 ng

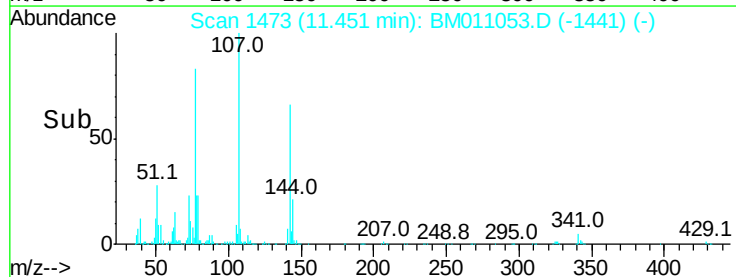
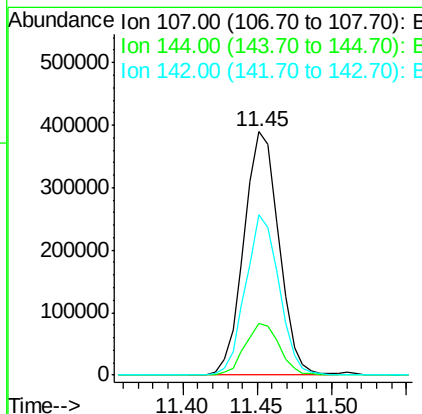
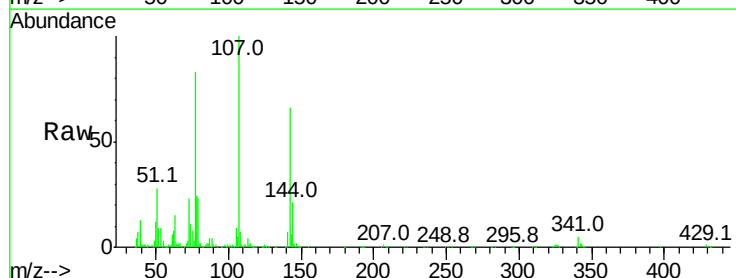
RT: 11.45 min Scan# 1473

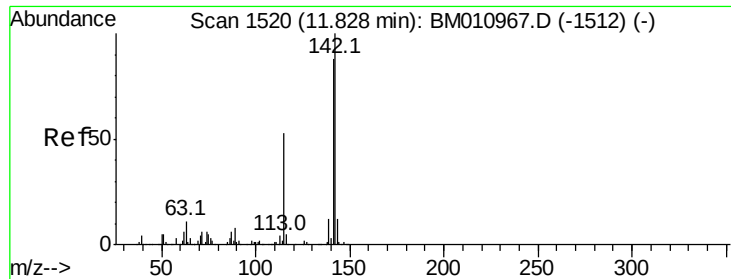
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 144     | 21.3  | 23.3  | 34.9#  |
| 142     | 65.7  | 72.6  | 109.0# |





#37

2-Methylnaphthalene

Concen: 47.897 ng

RT: 11.82 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

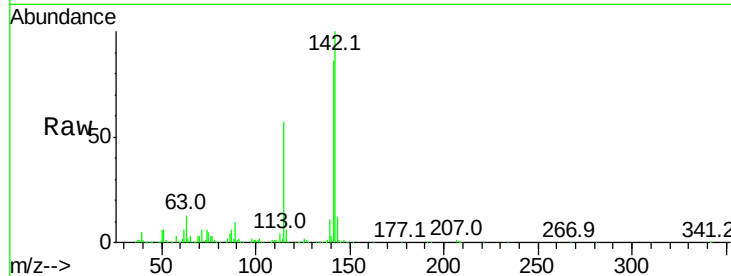
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.8  | 71.9  | 107.9 |
| 115     | 57.2  | 25.4  | 38.0  |

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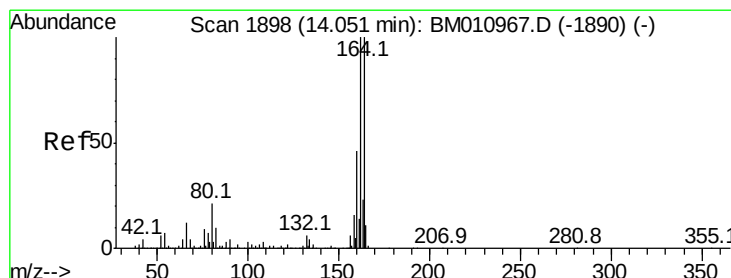
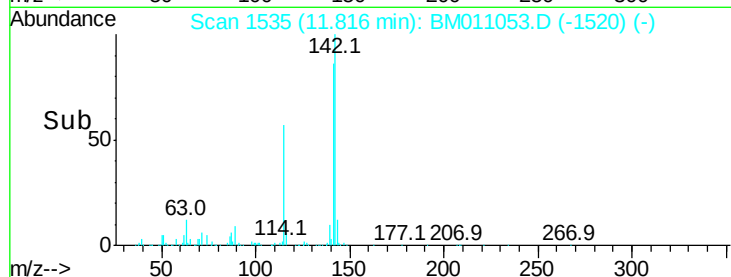
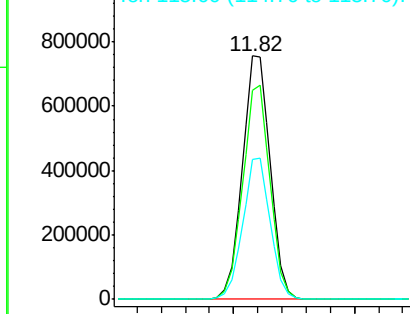


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.05 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

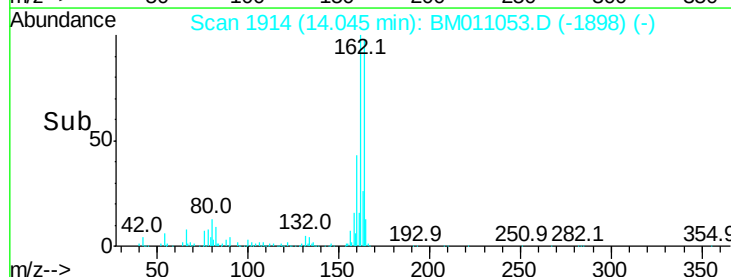
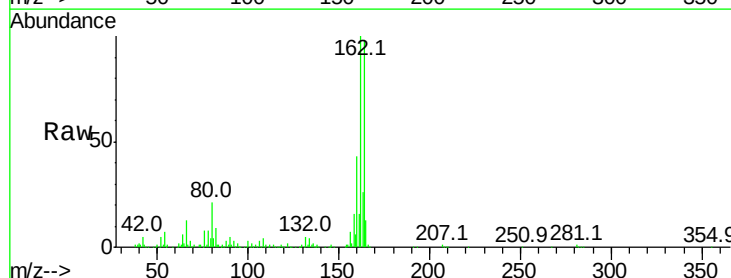
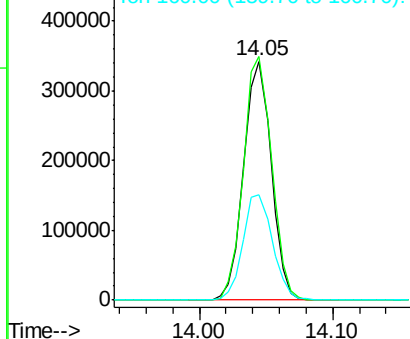
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 82.4  | 123.6 |
| 160     | 44.2  | 35.8  | 53.6  |

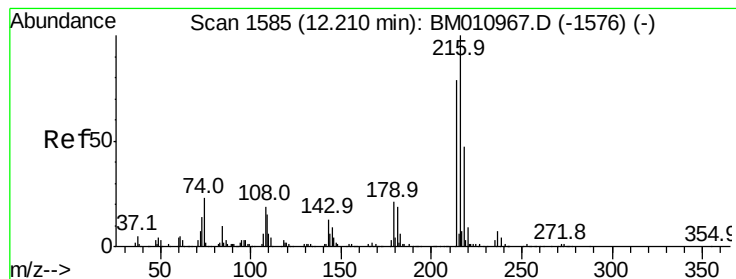
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.618 ng

RT: 12.20 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:216 Resp: 872682

Ion Ratio Lower Upper

216 100

214 77.5 0.0 0.0#

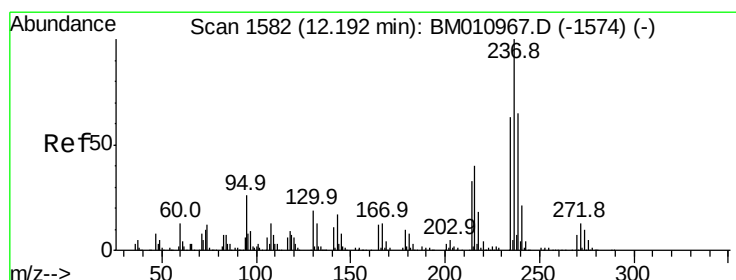
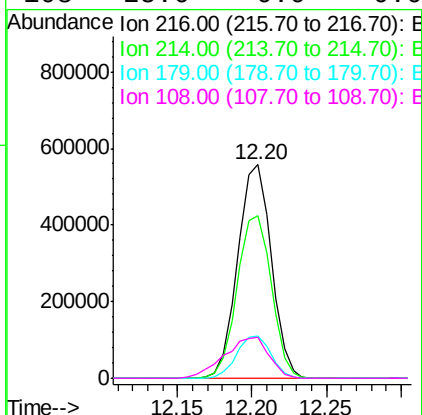
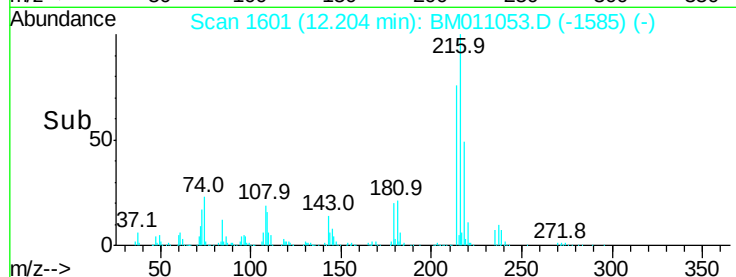
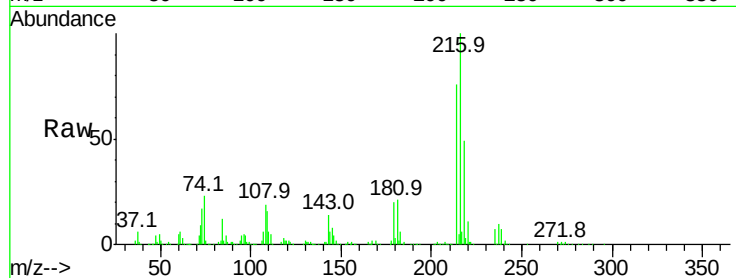
179 20.3 0.0 0.0#

108 25.6 0.0 0.0#

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#40

Hexachlorocyclopentadiene

Concen: 109.332 ng

RT: 12.18 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

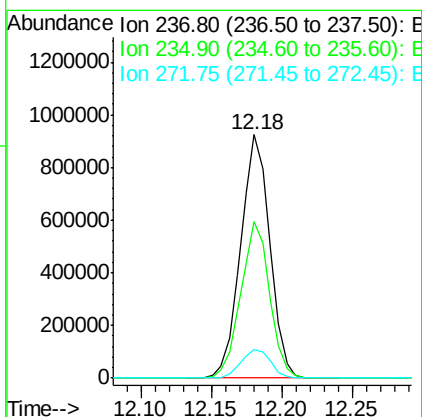
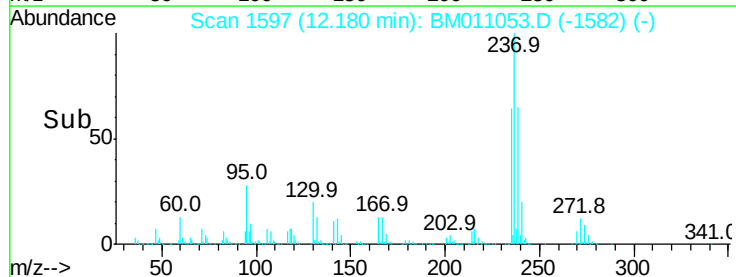
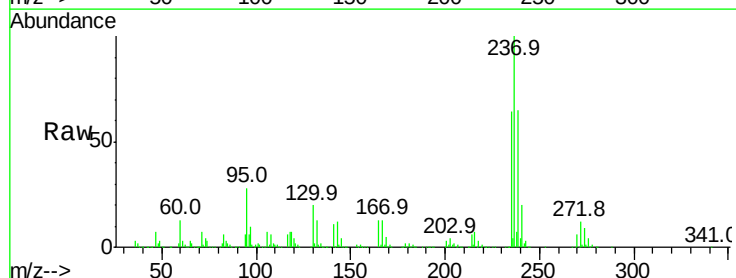
Tgt Ion:237 Resp: 1335847

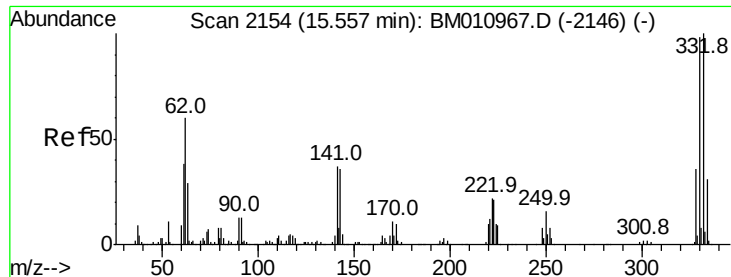
Ion Ratio Lower Upper

237 100

235 64.5 42.0 82.0

272 11.7 0.0 33.4





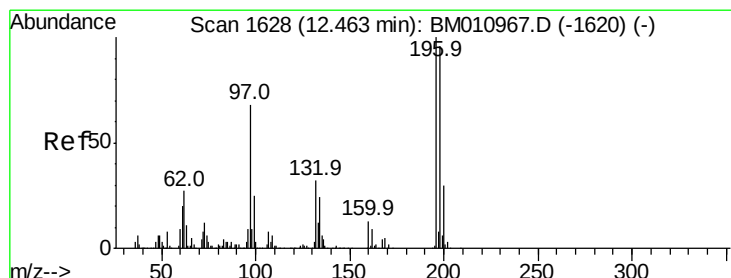
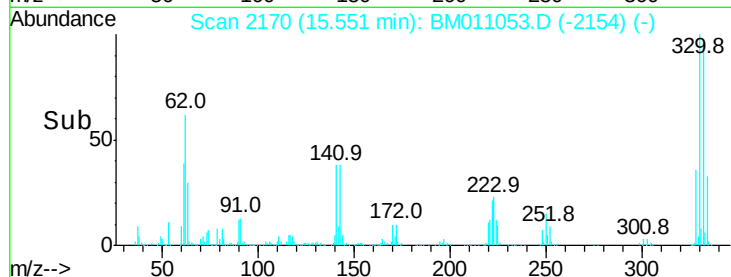
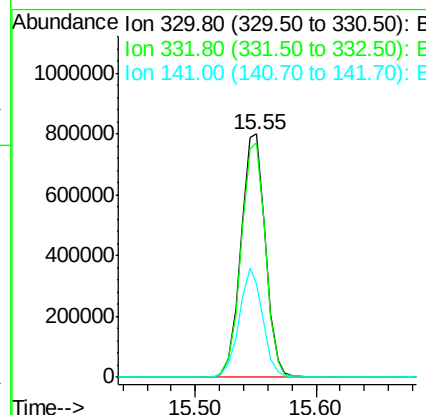
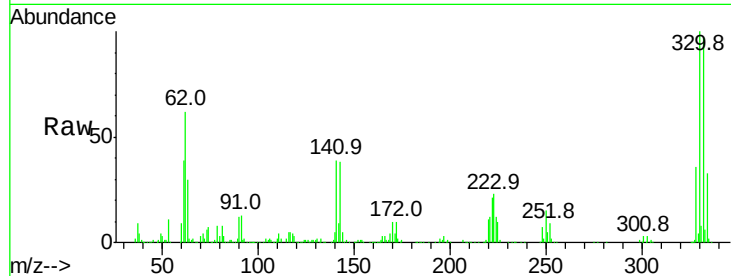
#41  
 2,4,6-Tribromophenol  
 Concen: 144.016 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 0.0   | 0.0#  |
| 141     | 43.2  | 0.0   | 0.0#  |

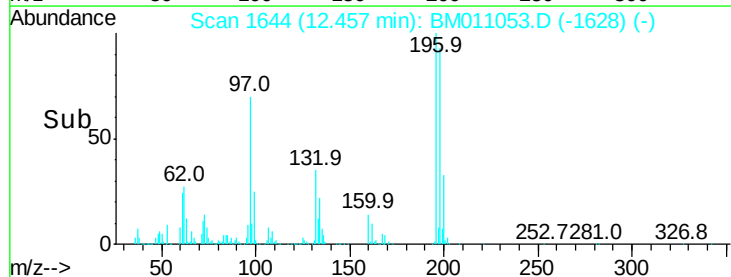
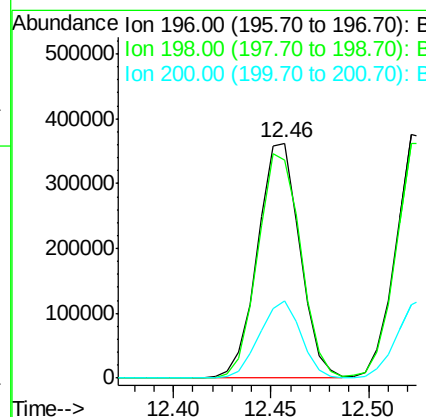
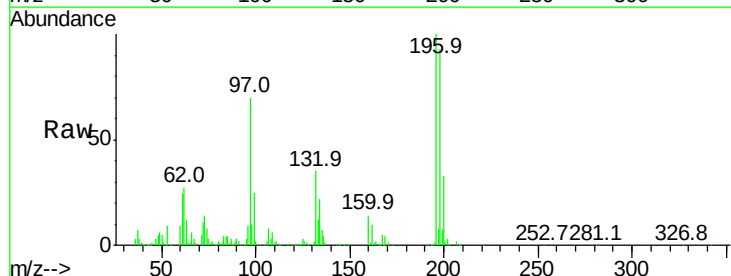
Manual Integrations  
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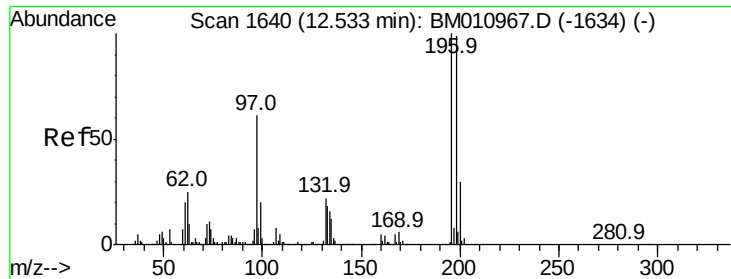


#42  
 2,4,6-Trichlorophenol  
 Concen: 42.951 ng  
 RT: 12.46 min Scan# 1644  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.9  | 76.3  | 114.5 |
| 200     | 32.8  | 25.6  | 38.4  |







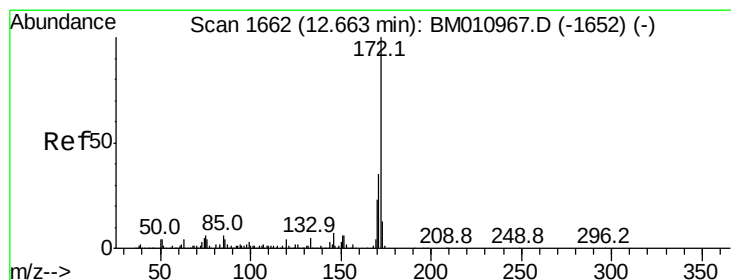
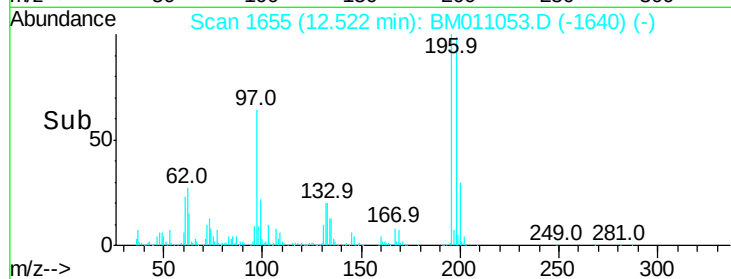
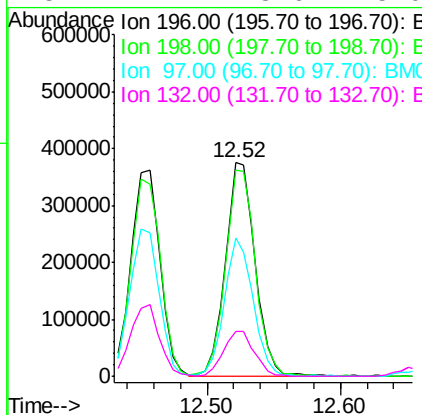
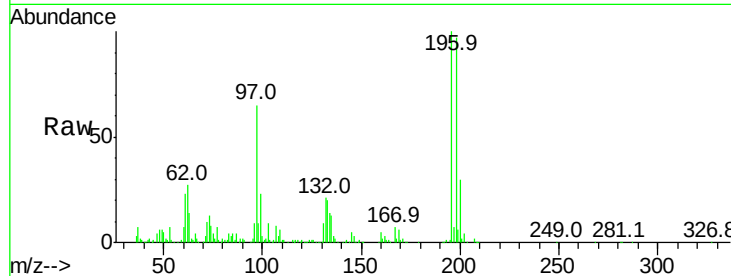
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.362 ng  
 RT: 12.52 min Scan# 1655  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 96.6  | 79.4 | 119.0 |       |
| 97      | 65.0  | 26.8 | 40.2  |       |
| 132     | 21.1  | 18.6 | 28.0  |       |

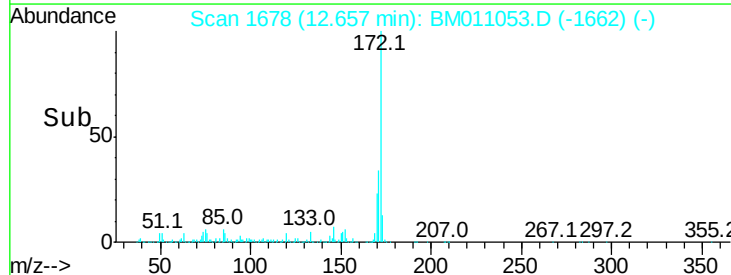
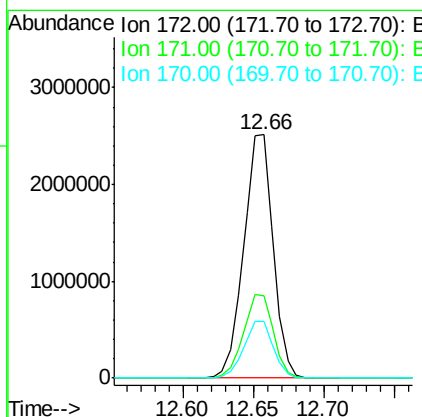
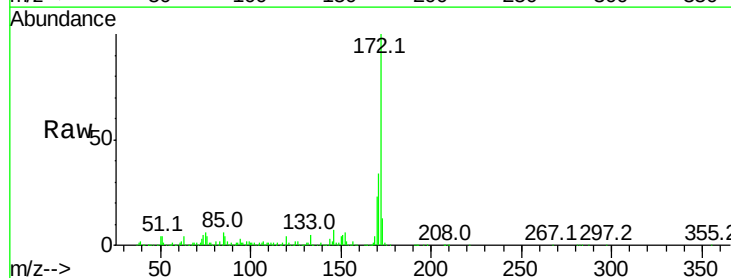
Manual Integrations  
 APPROVED

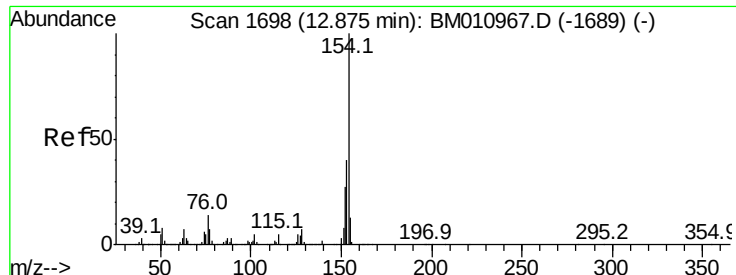
Sohil  
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#44  
 2-Fluorobiphenyl  
 Concen: 94.236 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 33.9  | 28.5 | 42.7  |       |
| 170     | 23.3  | 18.8 | 28.2  |       |





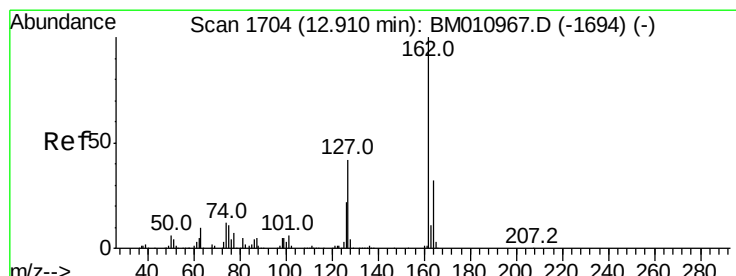
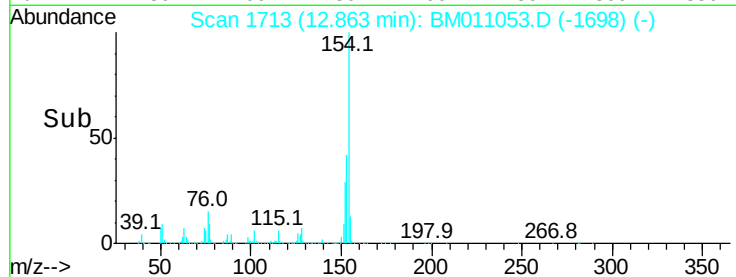
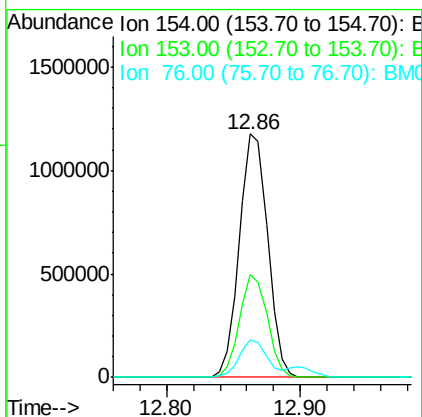
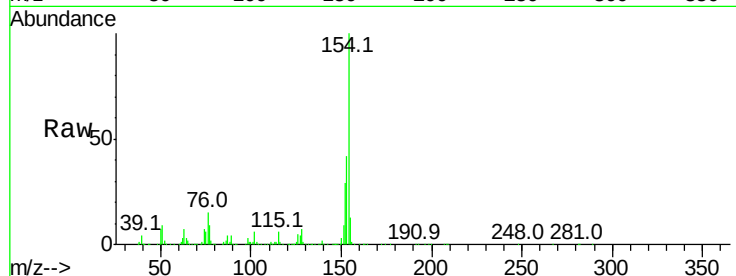
#45  
 1,1'-Biphenyl  
 Concen: 40.883 ng  
 RT: 12.86 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.0  | 20.7  | 60.7  |
| 76      | 15.4  | 0.0   | 30.9  |

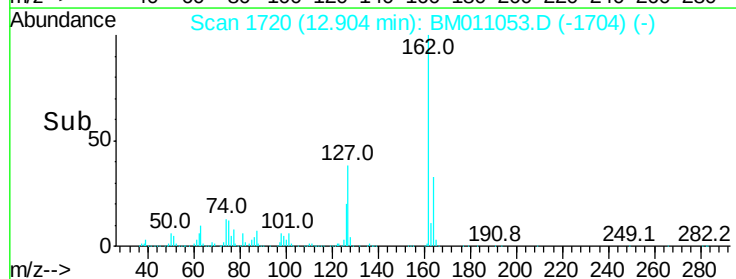
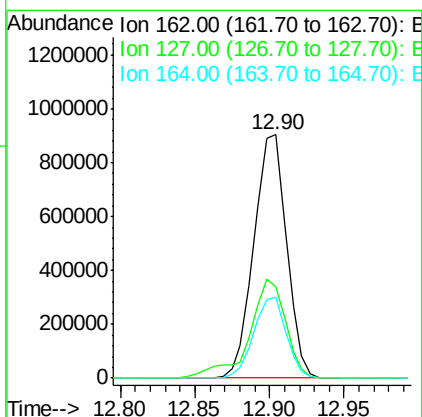
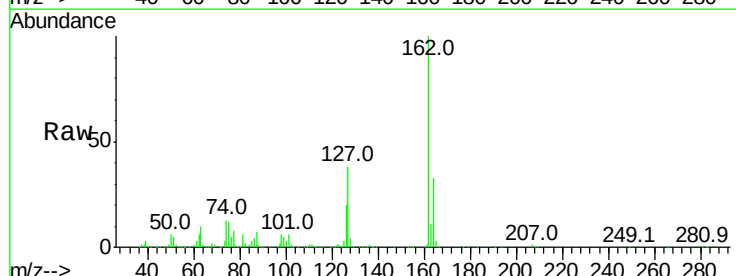
Manual Integrations  
 APPROVED

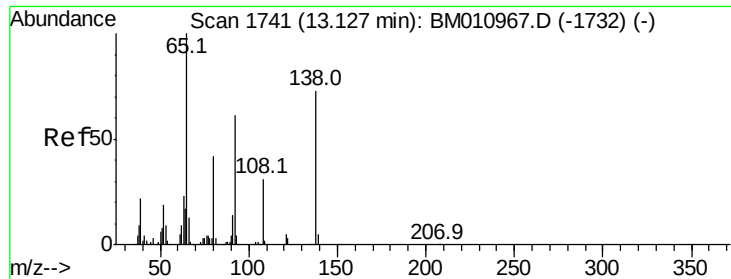
Sohil  
 7/31/2017 6:50:16 PM



#46  
 2-Chloronaphthalene  
 Concen: 43.983 ng  
 RT: 12.90 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.7  | 26.9  | 40.3  |
| 164     | 33.2  | 26.8  | 40.2  |





#47

2-Nitroaniline

Concen: 29.620 ng

RT: 13.12 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

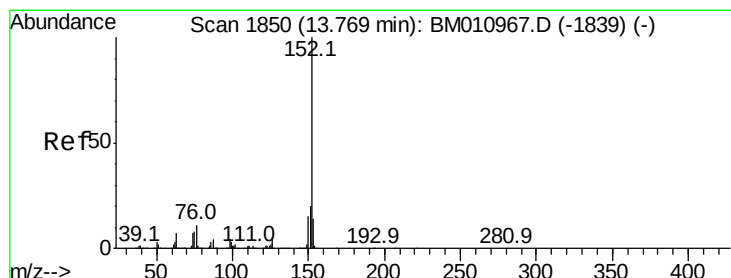
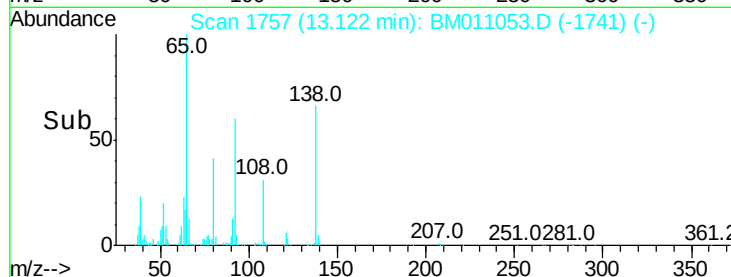
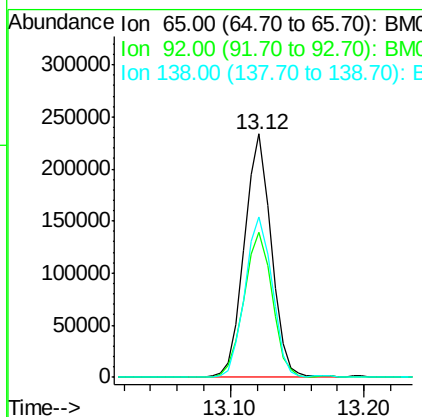
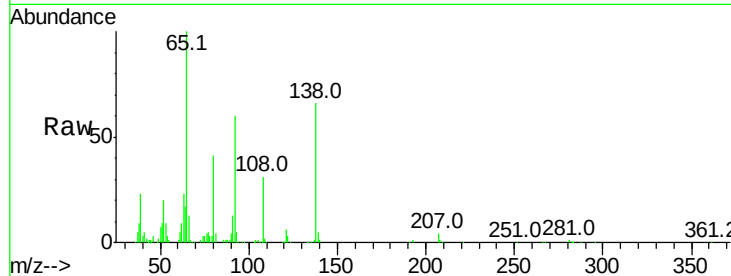
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 59.7  | 59.1  | 88.7  |
| 138     | 66.0  | 93.9  | 140.9 |

Manual Integrations  
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#48

Acenaphthylene

Concen: 35.961 ng

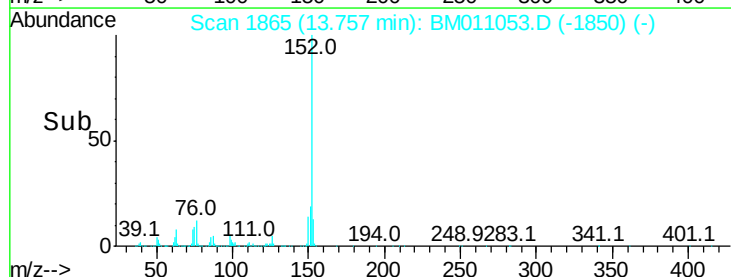
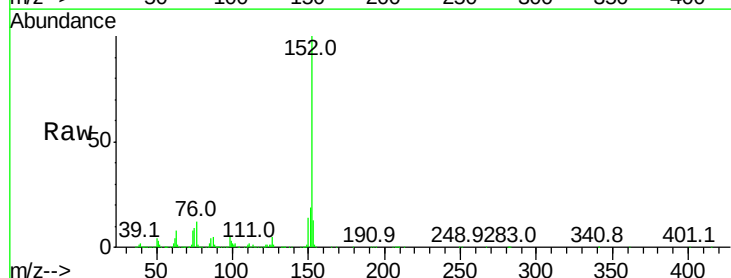
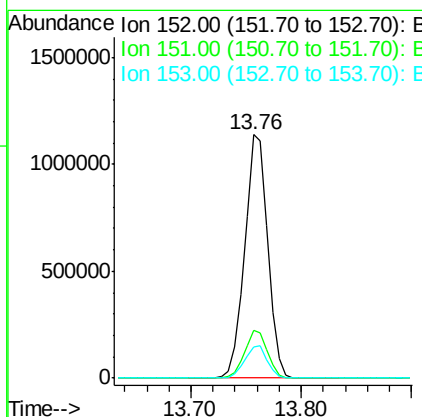
RT: 13.76 min Scan# 1865

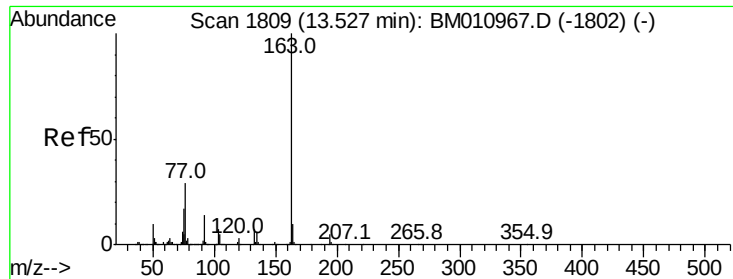
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.9  | 23.9  |
| 153     | 12.9  | 10.6  | 16.0  |





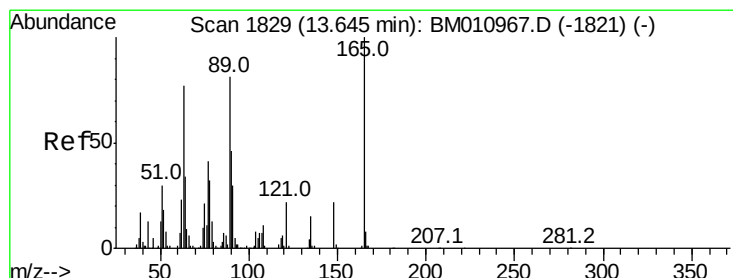
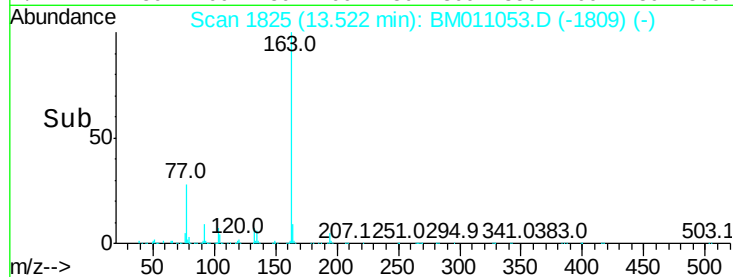
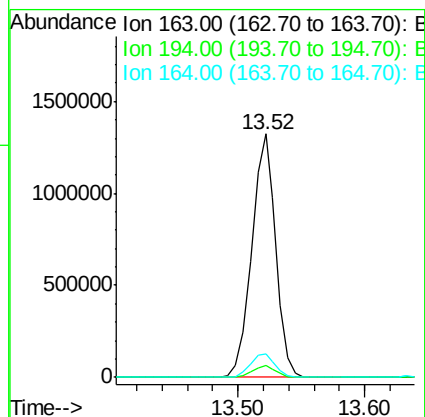
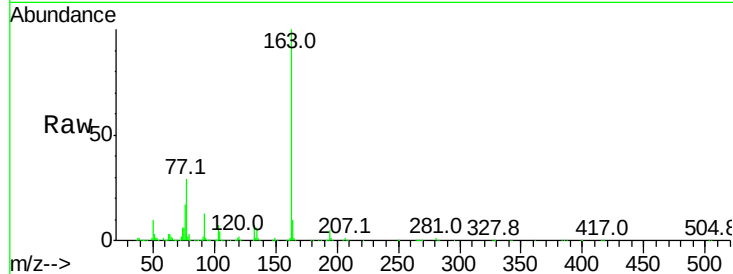
#49  
Dimethylphthalate  
Concen: 41.416 ng  
RT: 13.52 min Scan# 1825  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.8   | 2.7   | 4.1#  |
| 164     | 9.5   | 8.2   | 12.2  |

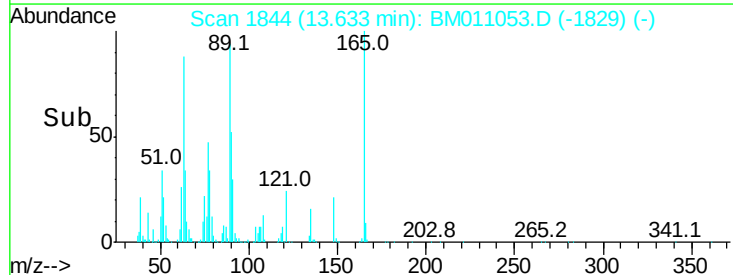
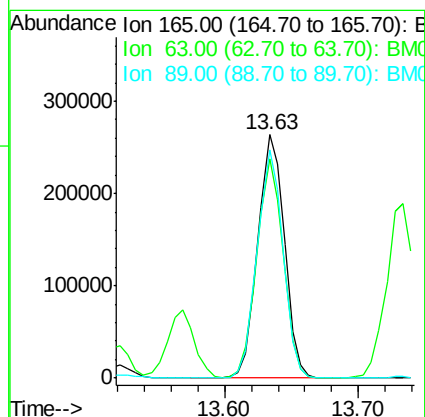
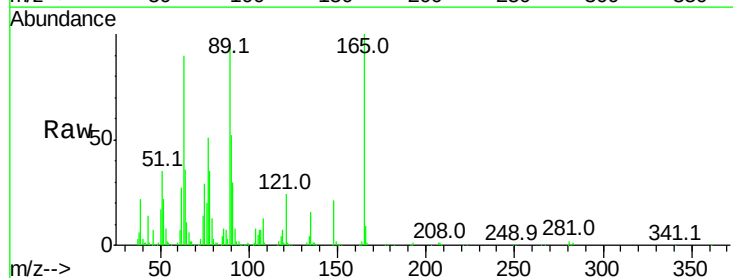
Manual Integrations  
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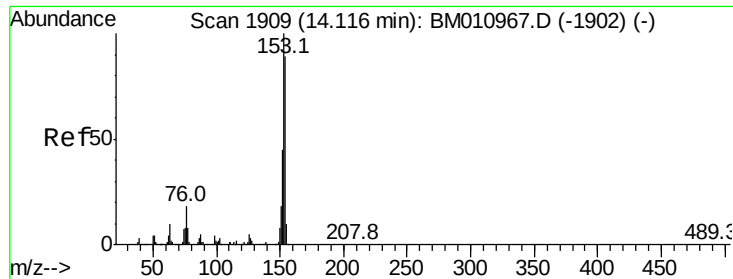
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#50  
2,6-Dinitrotoluene  
Concen: 42.840 ng  
RT: 13.63 min Scan# 1844  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 90.0  | 44.1  | 66.1# |
| 89      | 93.8  | 44.3  | 66.5# |





#51

Acenaphthene

Concen: 43.365 ng

RT: 14.11 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:154 Resp: 1245992

Ion Ratio Lower Upper

154 100

153 111.8 90.0 135.0

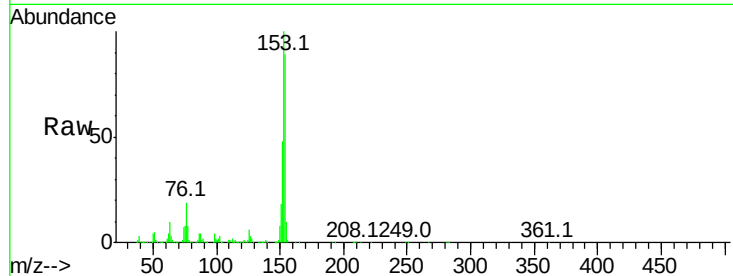
152 53.6 42.6 63.8

Manual Integrations

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Sohil

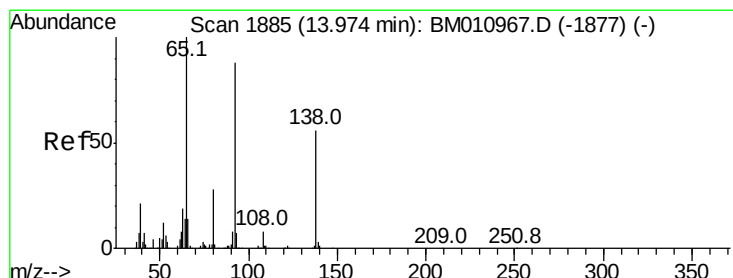
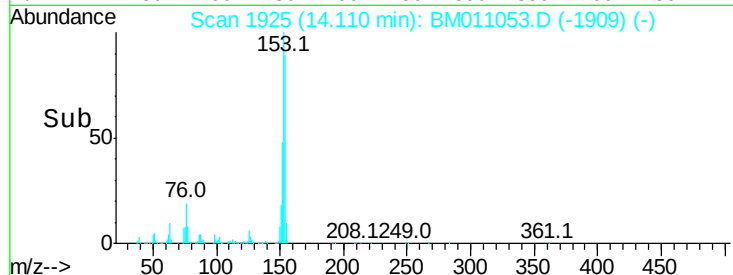
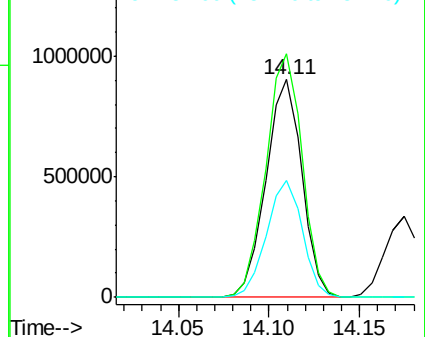
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.970 ng

RT: 13.96 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

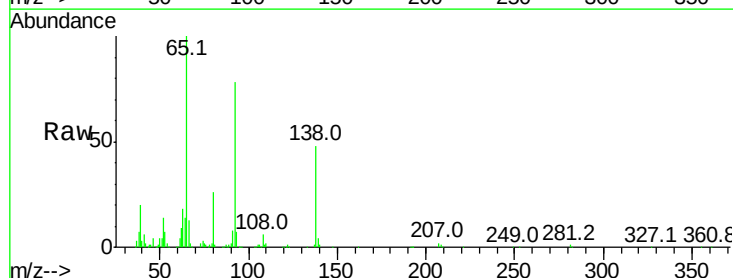
Tgt Ion:138 Resp: 182942

Ion Ratio Lower Upper

138 100

108 13.0 7.3 10.9#

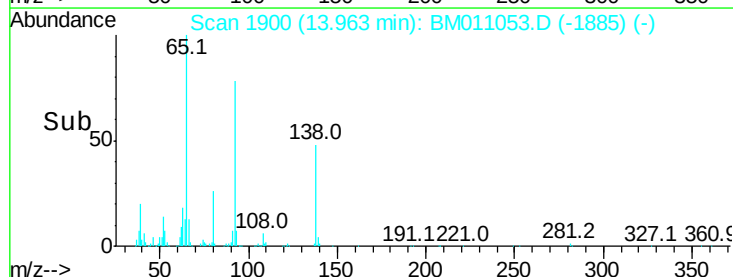
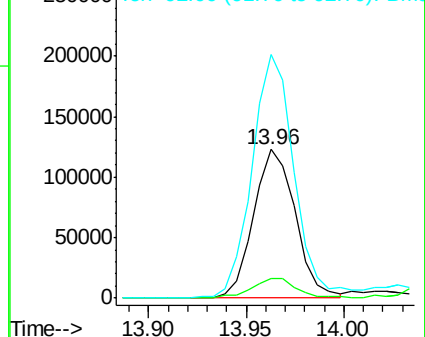
92 163.6 76.6 114.8#

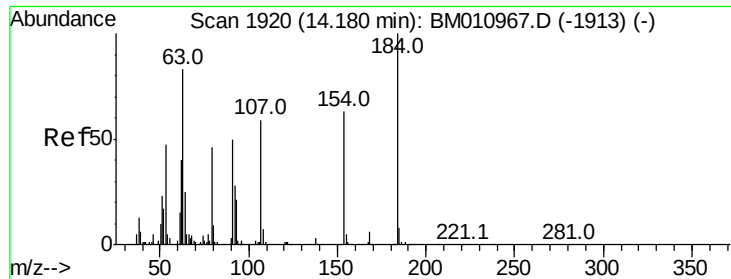


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





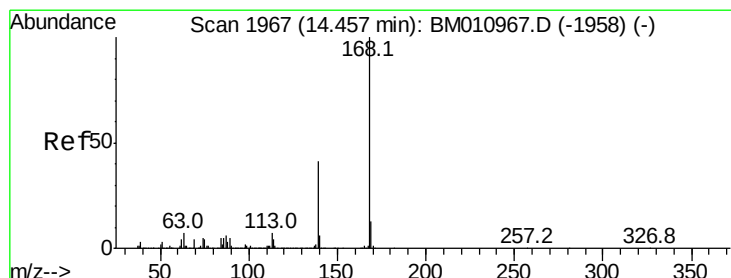
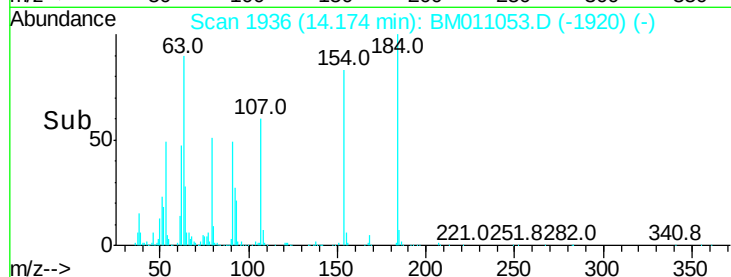
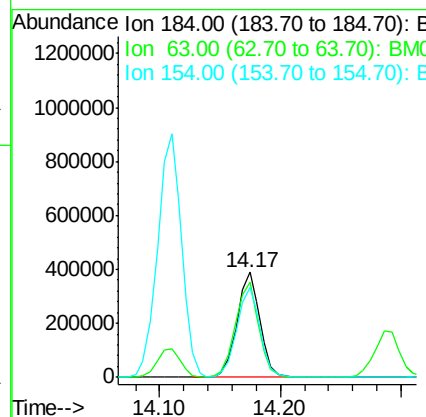
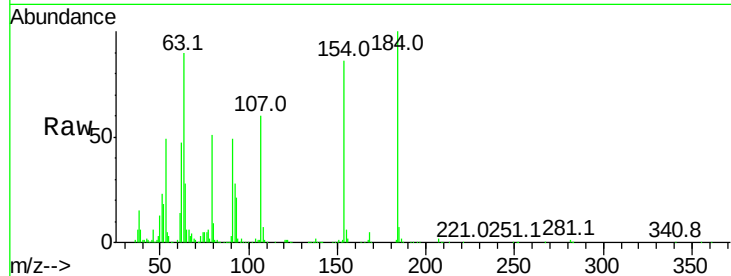
#53  
2,4-Dinitrophenol  
Concen: 85.514 ng  
RT: 14.17 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 90.2  | 69.2  | 103.8 |
| 154     | 85.6  | 53.3  | 79.9  |

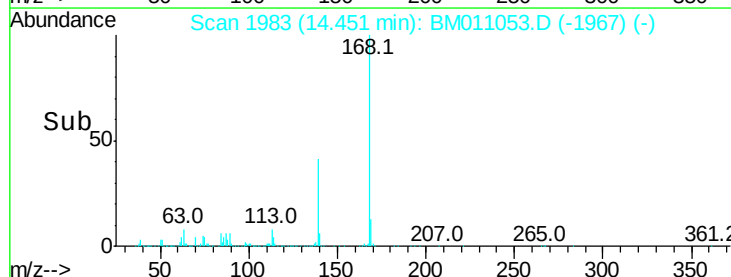
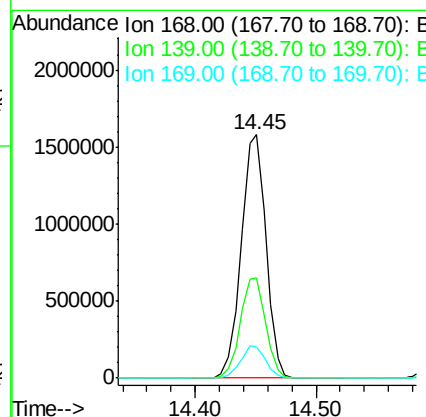
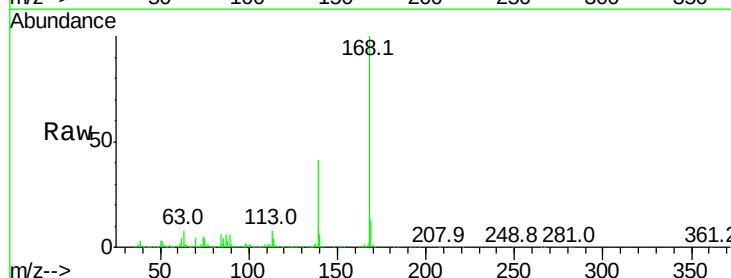
Manual Integrations  
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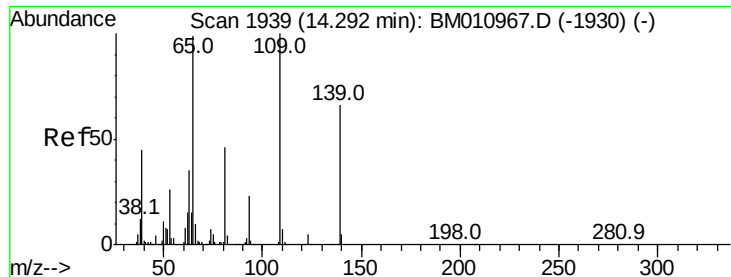
Sohil  
7/31/2017 6:50:16 PM



#54  
Dibenzofuran  
Concen: 48.420 ng  
RT: 14.45 min Scan# 1983  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.9  | 27.3  | 40.9  |
| 169     | 12.9  | 10.6  | 16.0  |





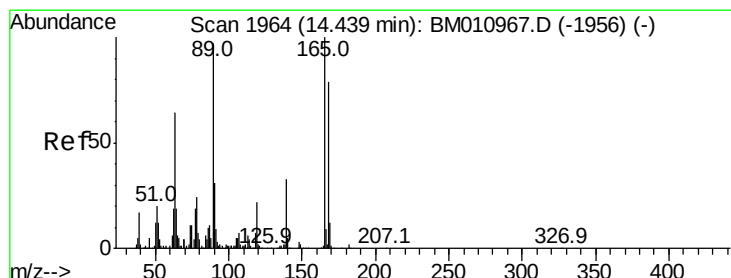
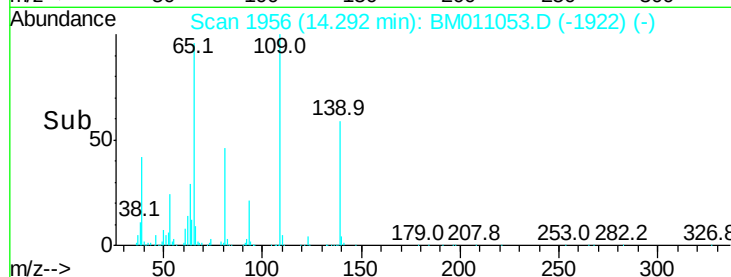
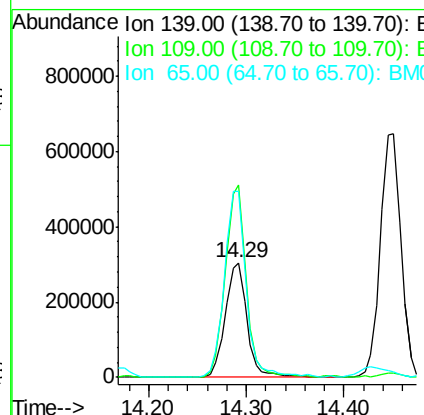
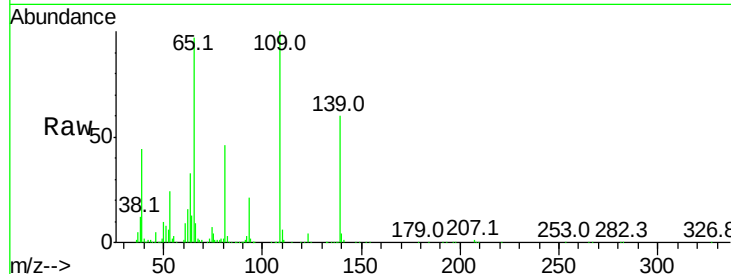
#55  
4-Nitrophenol  
Concen: 73.162 ng  
RT: 14.29 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 167.1 | 130.0 | 170.0 |
| 65      | 161.5 | 130.0 | 170.0 |

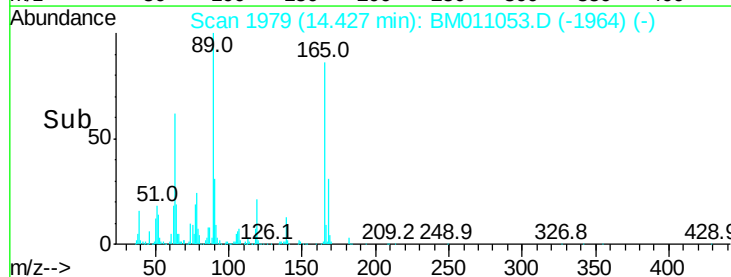
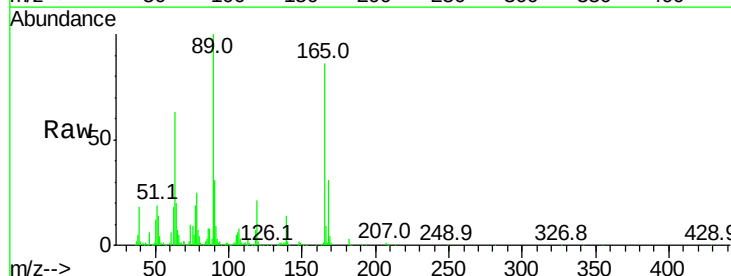
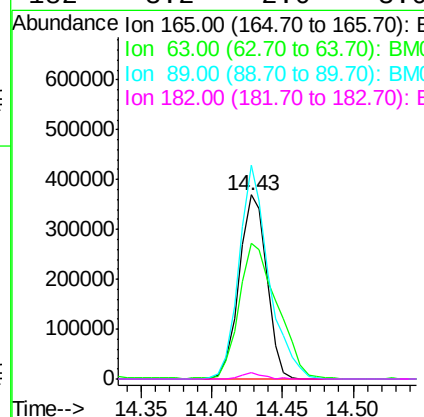
Manual Integrations  
APPROVED

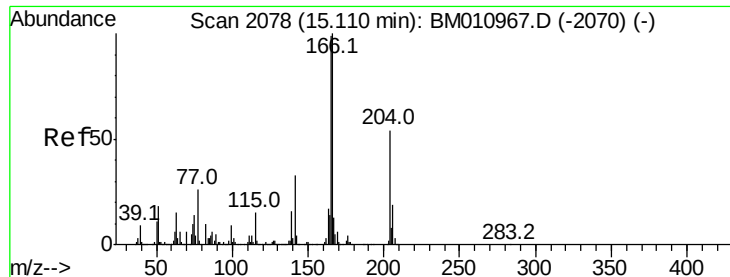
Sohil  
7/31/2017 6:50:16 PM



#56  
2,4-Dinitrotoluene  
Concen: 42.513 ng  
RT: 14.43 min Scan# 1979  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 73.5  | 52.4  | 78.6   |
| 89      | 116.0 | 72.4  | 108.6# |
| 182     | 3.2   | 2.0   | 3.0#   |





#57

Fluorene

Concen: 45.054 ng

RT: 15.10 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:166 Resp: 1826231

Ion Ratio Lower Upper

166 100

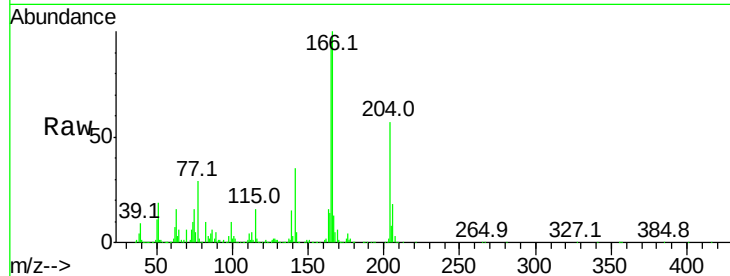
165 95.8 79.0 118.4

167 13.3 10.3 15.5

Manual Integrations  
APPROVED

Sohil

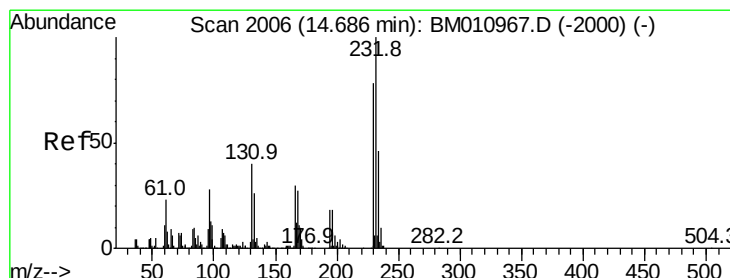
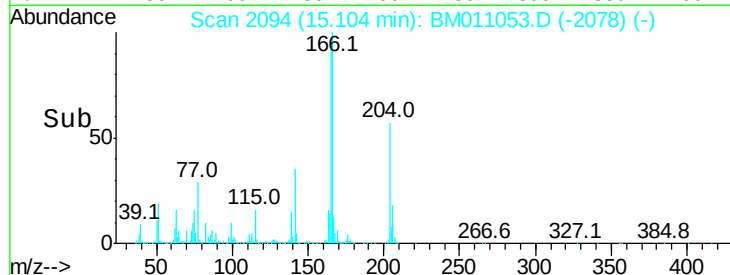
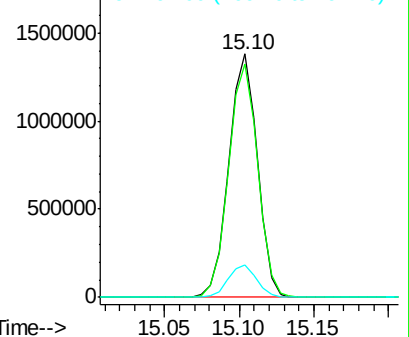
7/31/2017 6:50:16 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.266 ng

RT: 14.68 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Tgt Ion:232 Resp: 615882

Ion Ratio Lower Upper

232 100

131 40.6 0.0 0.0#

130 2.6 0.0 0.0#

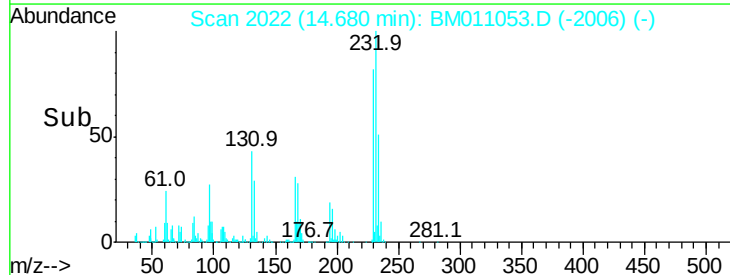
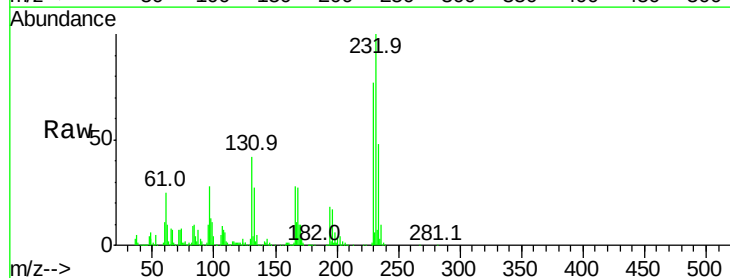
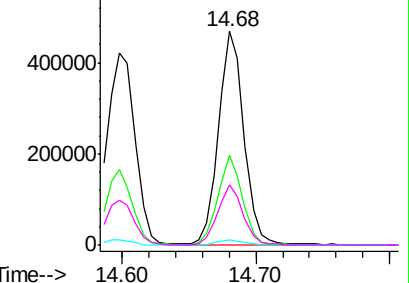
166 28.3 0.0 0.0#

Abundance Ion 232.00 (231.70 to 232.70): E

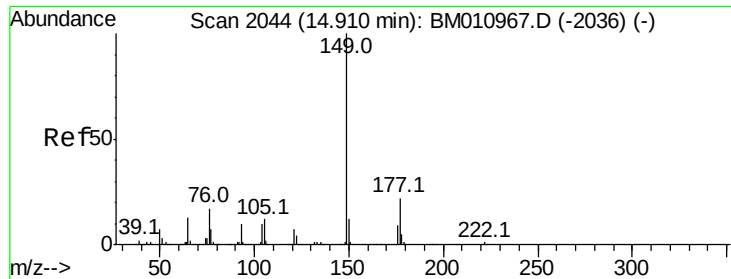
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E







#59

Diethylphthalate

Concen: 42.863 ng

RT: 14.90 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:149 Resp: 1827652

Ion Ratio Lower Upper

149 100

177 23.5 18.3 27.5

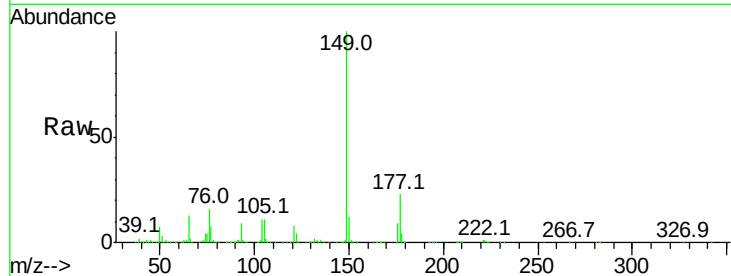
150 12.4 9.8 14.8

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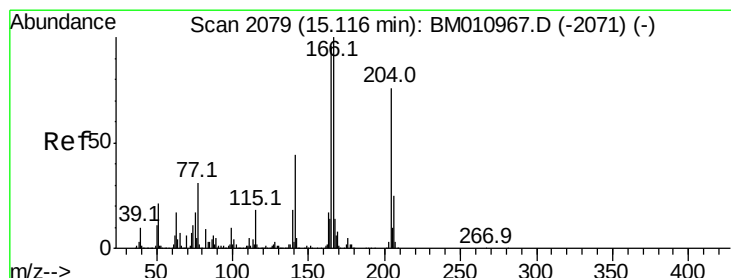
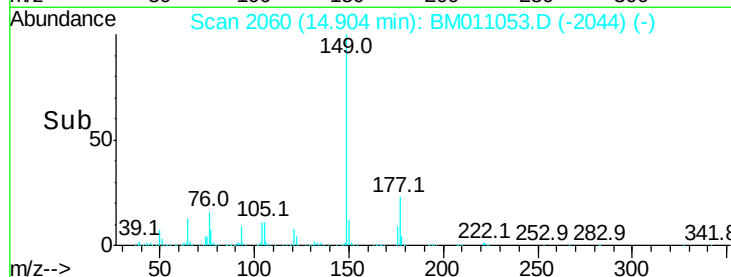
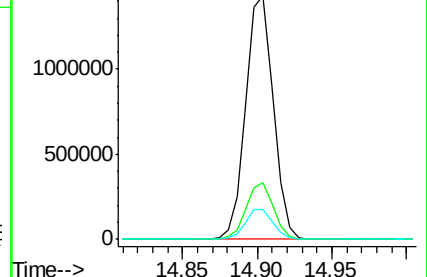
7/31/2017 6:50:16 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.012 ng

RT: 15.11 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

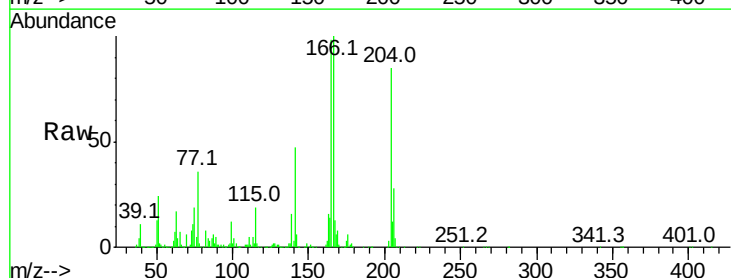
Tgt Ion:204 Resp: 1126045

Ion Ratio Lower Upper

204 100

206 32.4 26.6 39.8

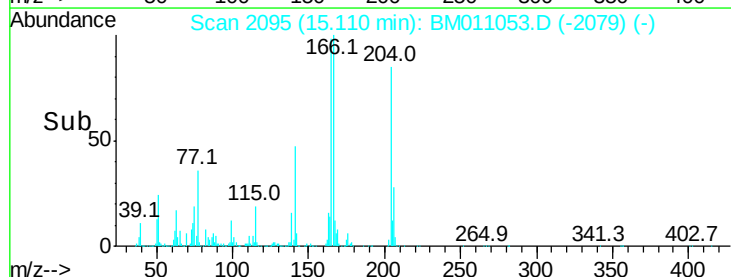
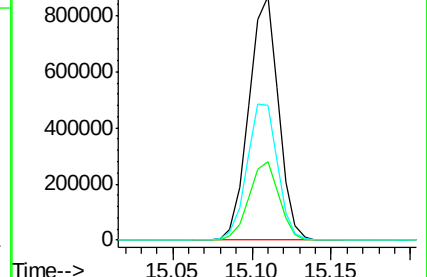
141 55.6 45.2 67.8

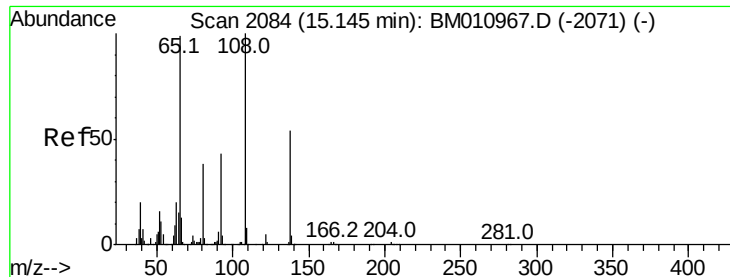


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





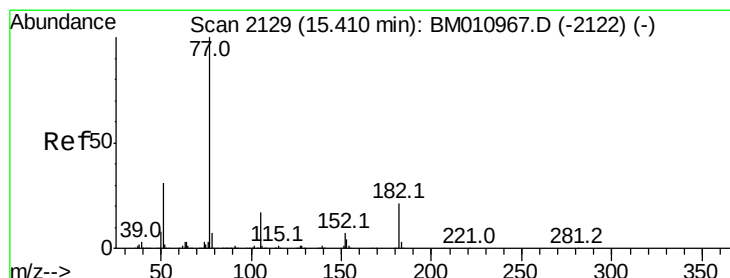
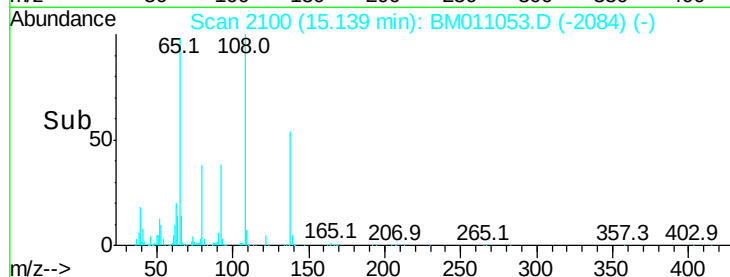
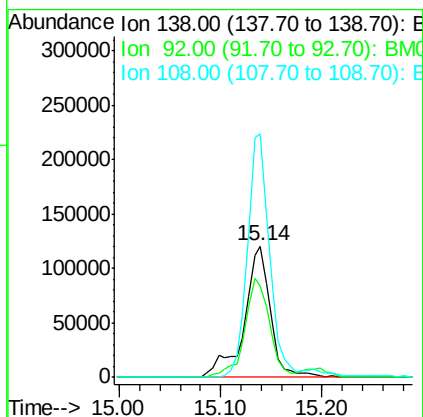
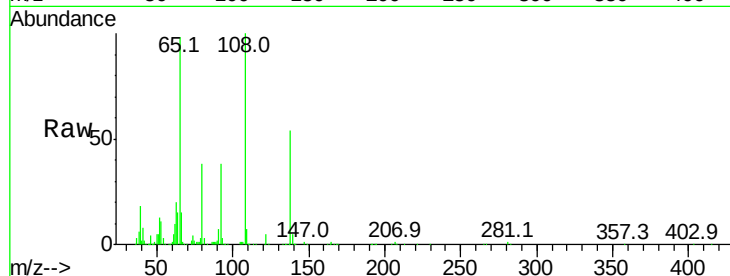
#61  
4-Nitroaniline  
Concen: 27.812 ng  
RT: 15.14 min Scan# 2100  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 69.7  | 16.7  | 56.7# |
| 108     | 185.7 | 37.6  | 77.6# |

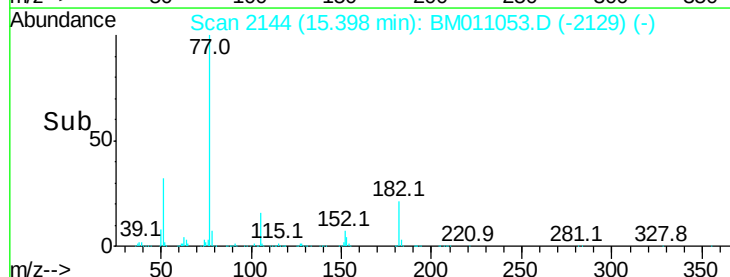
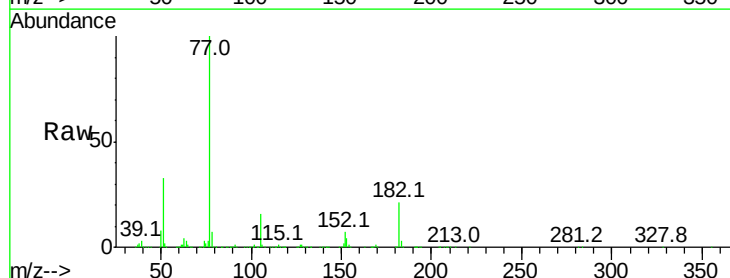
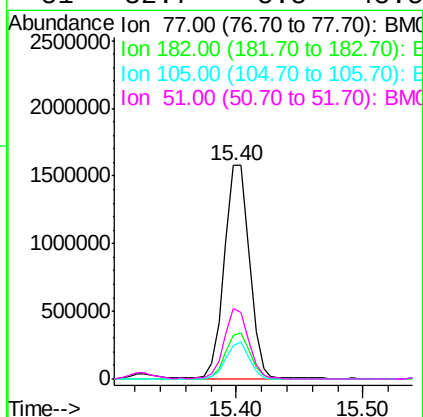
Manual Integrations  
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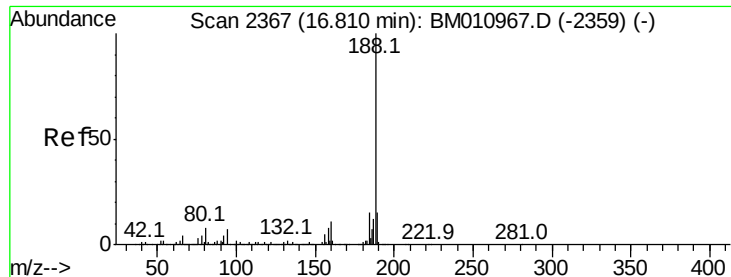
Sohil  
7/31/2017 6:50:16 PM



#62  
Azobenzene  
Concen: 47.217 ng  
RT: 15.40 min Scan# 2144  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 20.7  | 6.5   | 46.5  |
| 105     | 15.6  | 3.8   | 43.8  |
| 51      | 32.7  | 5.5   | 45.5  |





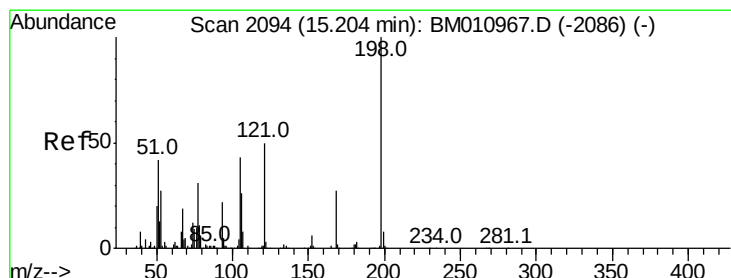
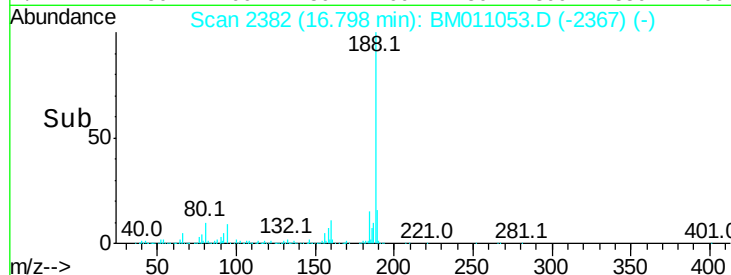
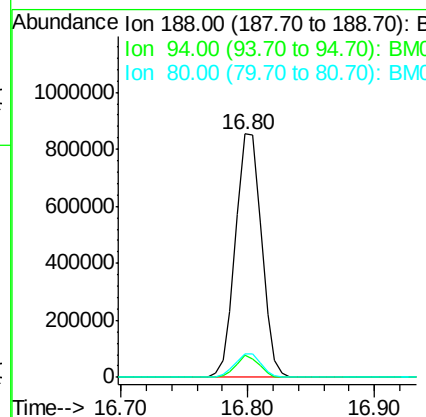
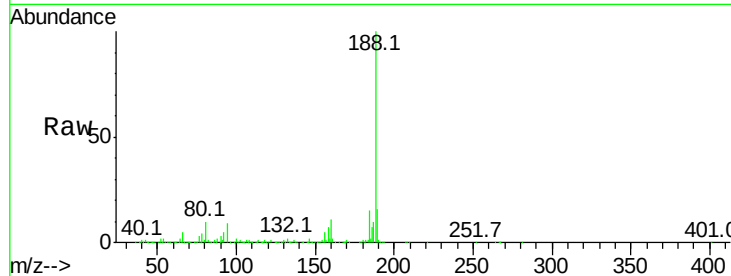
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.80 min Scan# 2382  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.9   | 8.7   | 13.1  |
| 80      | 9.8   | 9.3   | 13.9  |

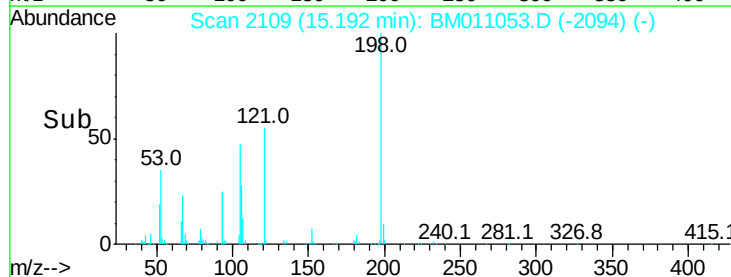
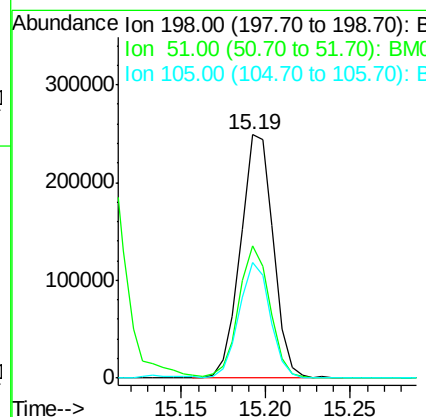
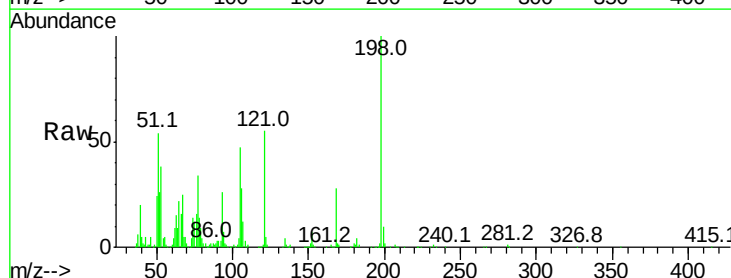
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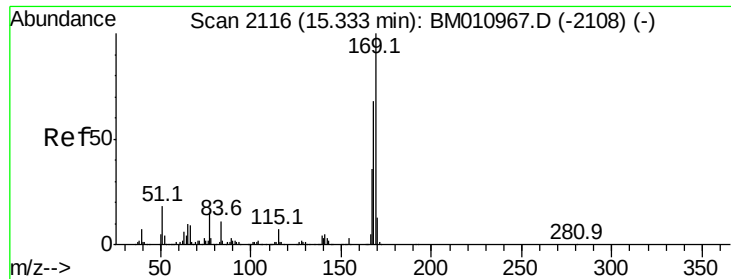
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 7/31/2017 6:50:16 PM



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.086 ng  
 RT: 15.19 min Scan# 2109  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 54.4  | 28.8  | 68.8  |
| 105     | 47.4  | 30.5  | 70.5  |





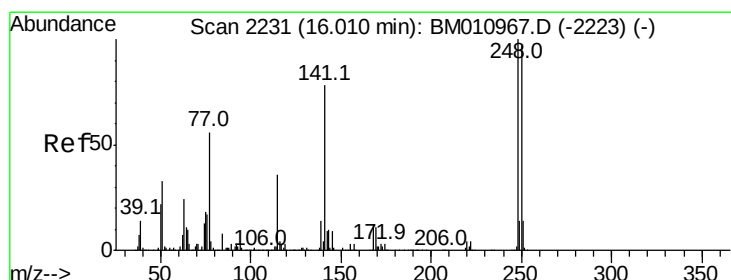
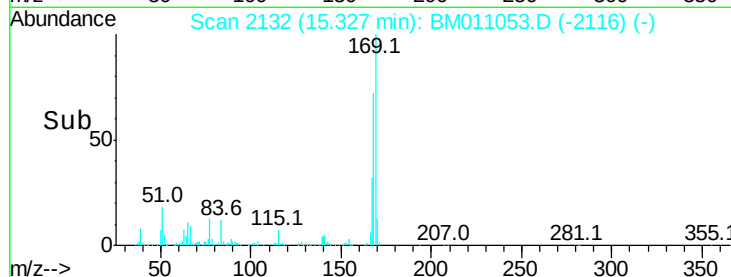
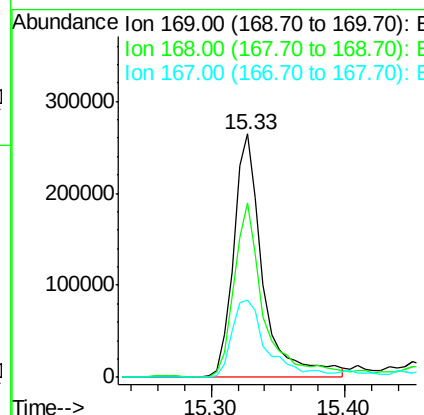
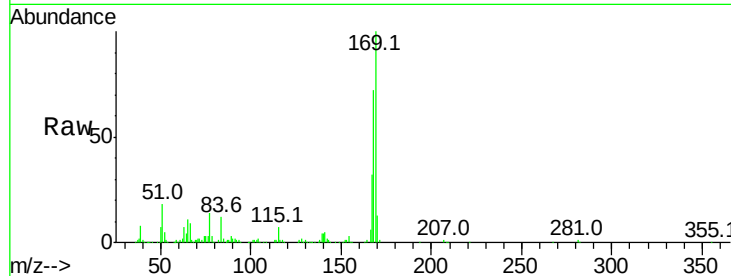
#65  
n-Nitrosodiphenylamine  
Concen: 11.740 ng  
RT: 15.33 min Scan# 2132  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 71.8  | 53.9 | 80.9  |       |
| 167     | 31.8  | 28.9 | 43.3  |       |

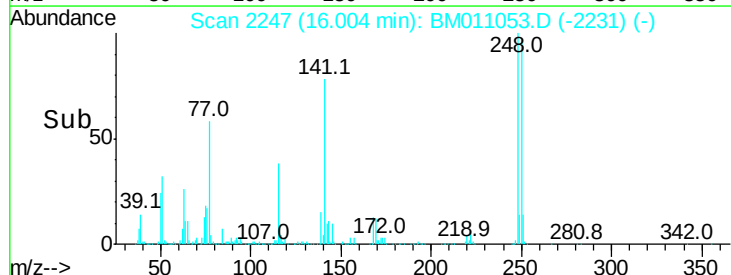
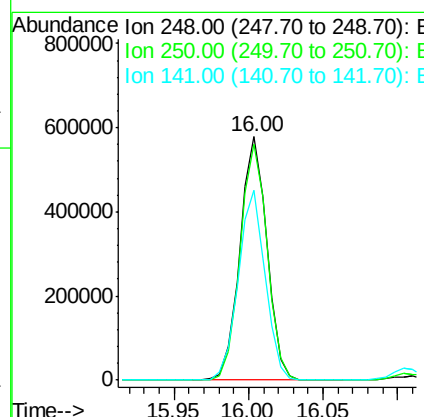
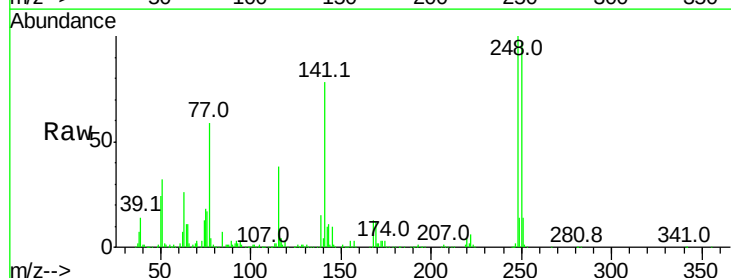
Manual Integrations  
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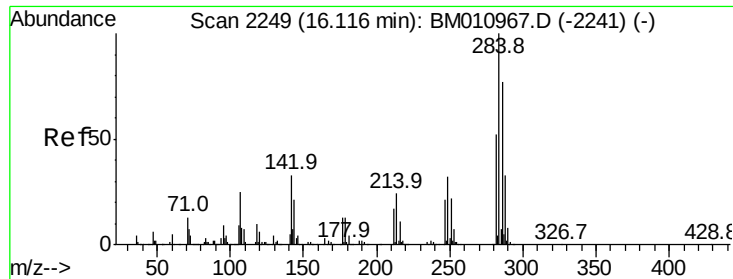
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7/31/2017 6:50:16 PM



#66  
4-Bromophenyl-phenylether  
Concen: 46.739 ng  
RT: 16.00 min Scan# 2247  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 97.0  | 77.4 | 116.0 |       |
| 141     | 77.8  | 45.2 | 67.8  |       |





#67

Hexachlorobenzene

Concen: 43.438 ng

RT: 16.11 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

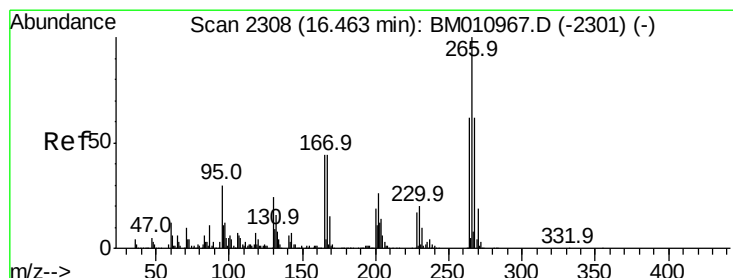
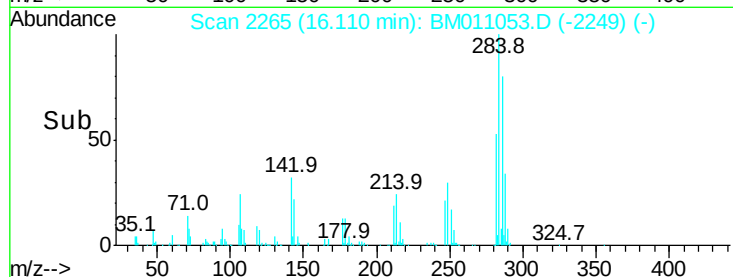
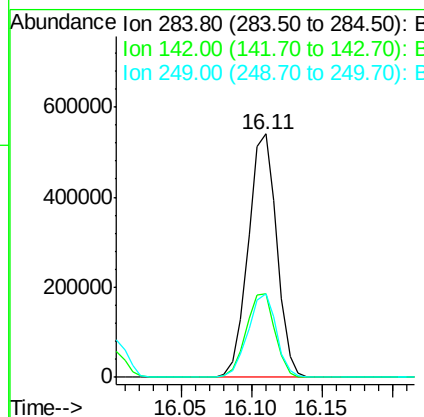
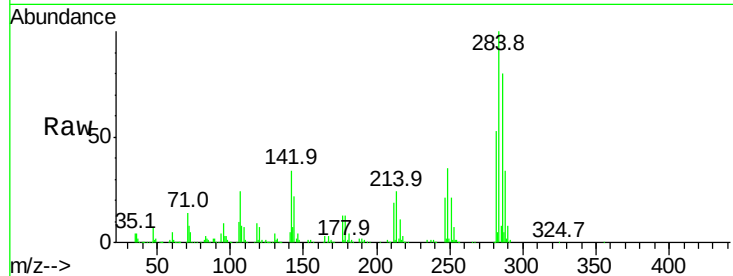
ClientSampleId :

OK-03-072617-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 763974 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 34.5  | 20.4  | 30.6#  |
| 249       | 34.5  | 23.8  | 35.6   |

Manual Integrations  
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7/31/2017 6:50:16 PM



#69

Pentachlorophenol

Concen: 84.219 ng

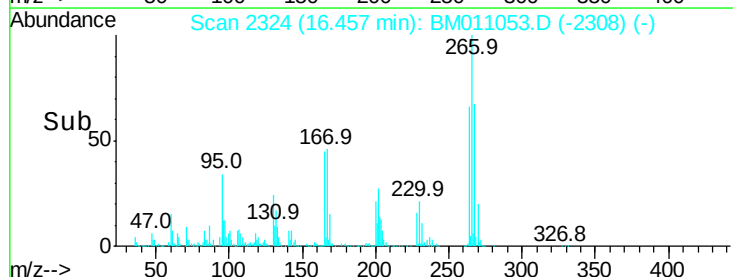
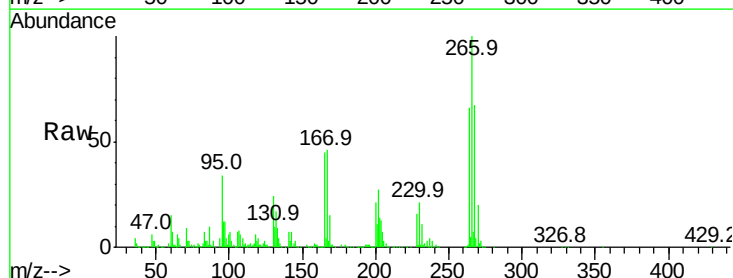
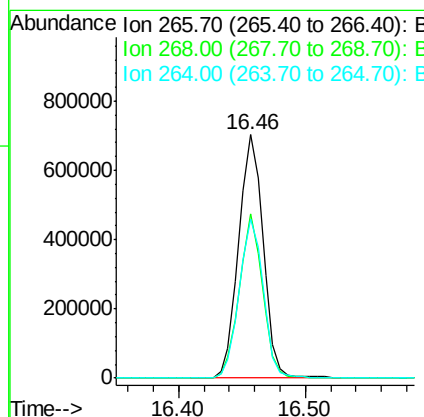
RT: 16.46 min Scan# 2324

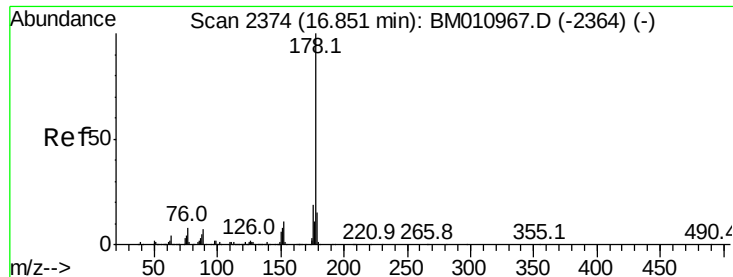
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 940384 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 67.2  | 52.0  | 78.0   |
| 264       | 65.6  | 49.0  | 73.4   |





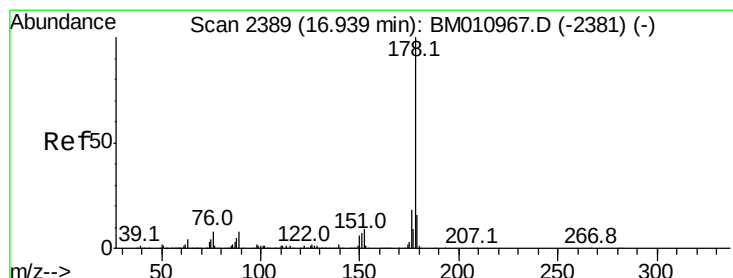
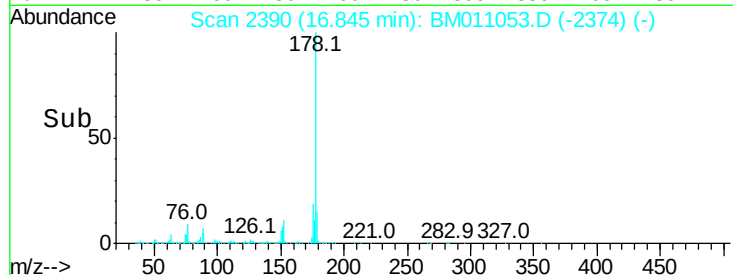
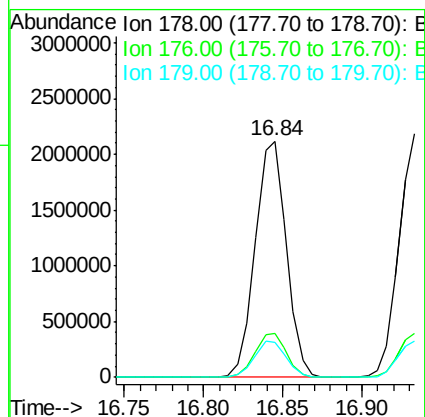
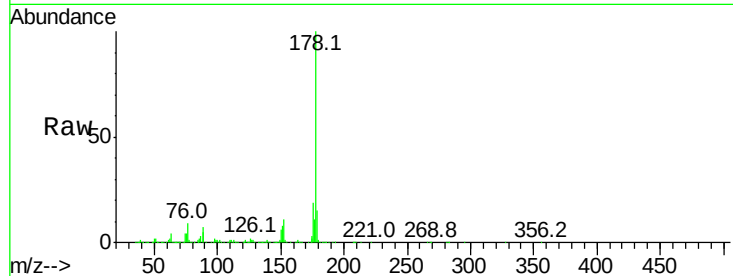
#70  
Phenanthrene  
Concen: 45.880 ng  
RT: 16.84 min Scan# 2390  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.2  | 22.8  |
| 179     | 14.9  | 12.1  | 18.1  |

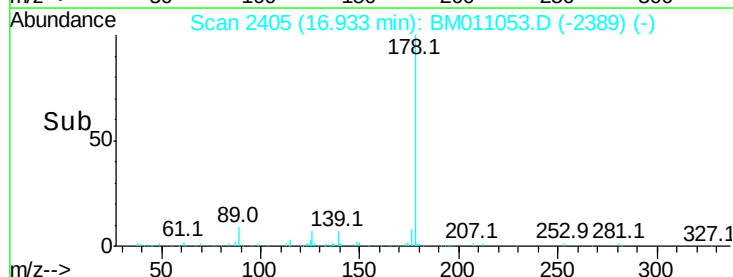
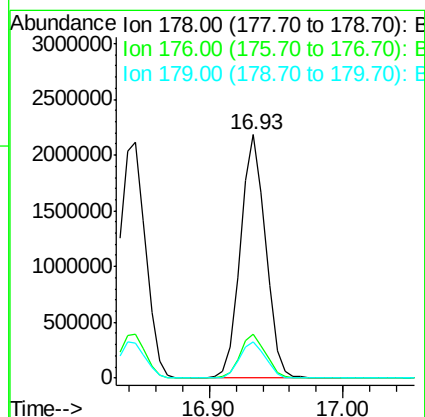
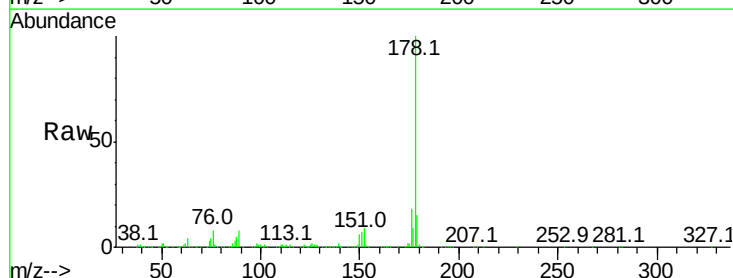
Manual Integrations  
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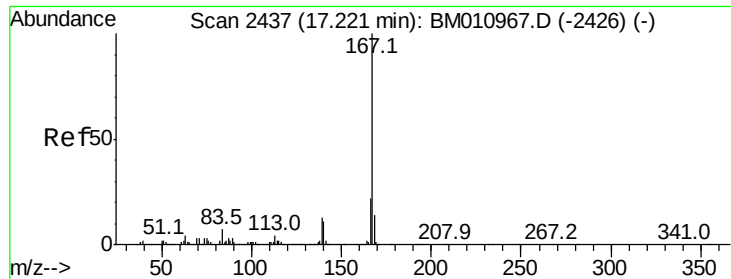
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7/31/2017 6:50:16 PM



#71  
Anthracene  
Concen: 44.905 ng  
RT: 16.93 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 14.6  | 22.0  |
| 179     | 14.8  | 12.6  | 19.0  |





#72

Carbazole

Concen: 6.017 ng

RT: 17.21 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

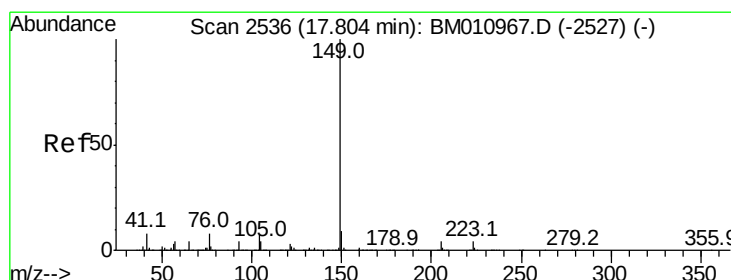
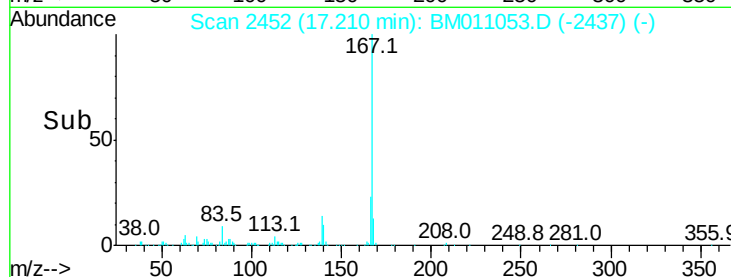
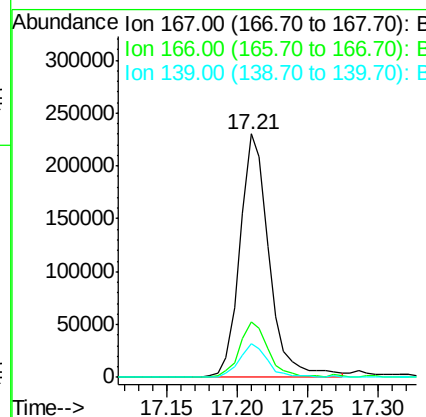
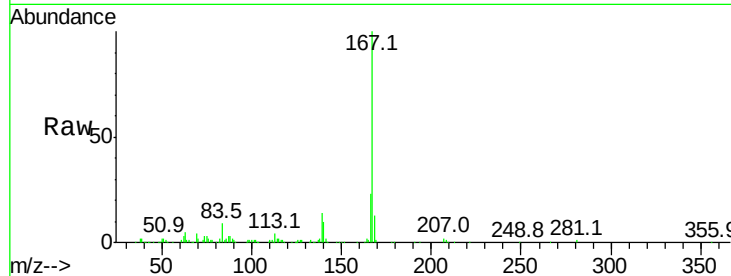
ClientSampleId :

OK-03-072617-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 332710 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.8  | 17.2  | 25.8   |
| 139       | 13.9  | 10.8  | 16.2   |

Manual Integrations  
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7/31/2017 6:50:16 PM



#73

Di-n-butylphthalate

Concen: 42.378 ng

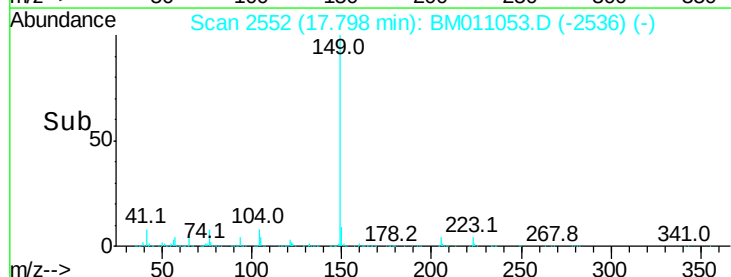
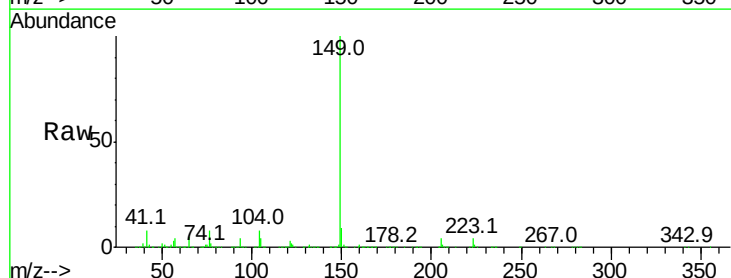
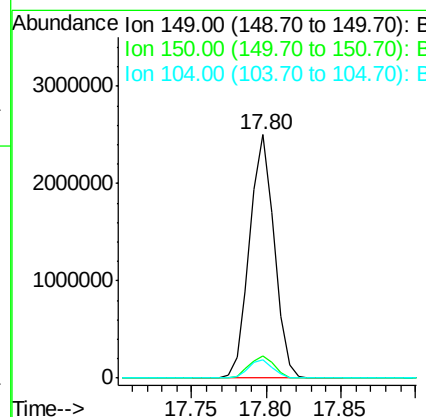
RT: 17.80 min Scan# 2552

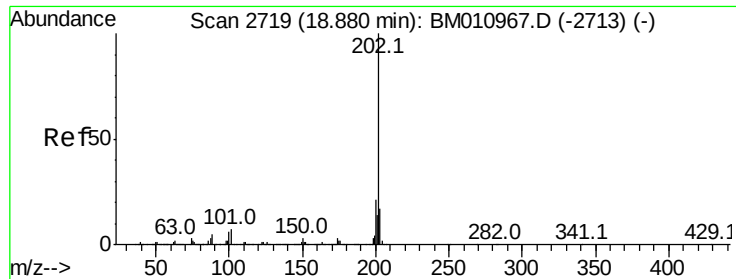
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 2853486 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 9.2   | 7.5   | 11.3    |
| 104       | 7.7   | 3.7   | 5.5#    |





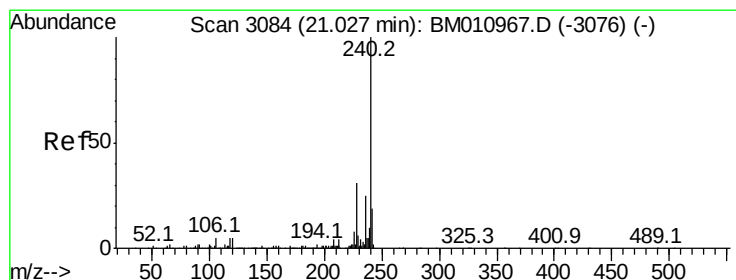
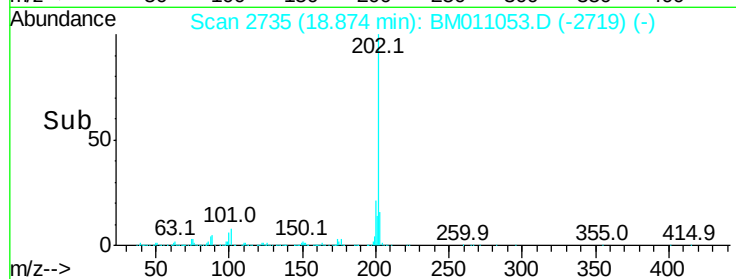
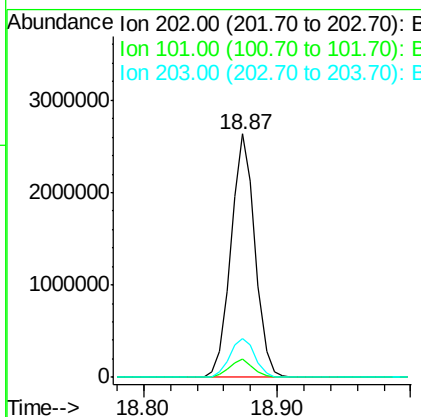
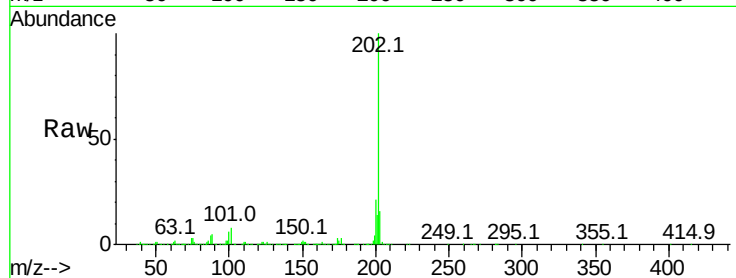
#74  
Fluoranthene  
Concen: 42.000 ng  
RT: 18.87 min Scan# 2735  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.6   | 0.0   | 28.7  |
| 203     | 16.1  | 0.0   | 37.2  |

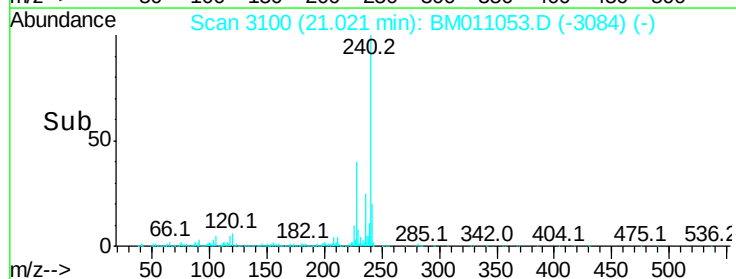
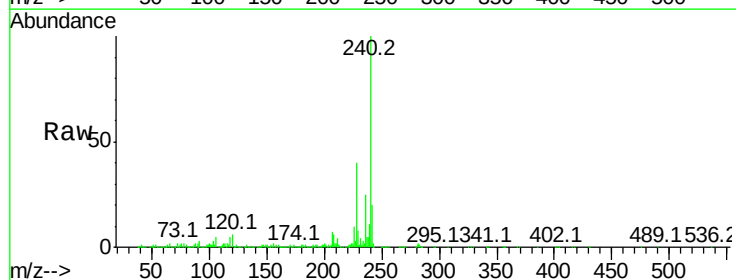
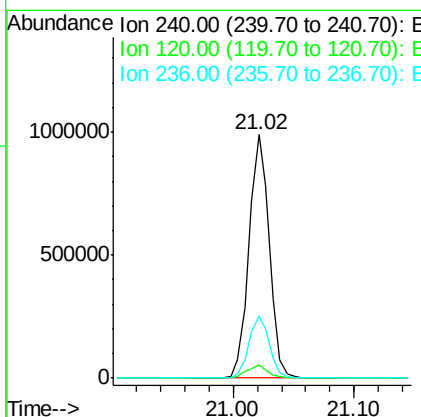
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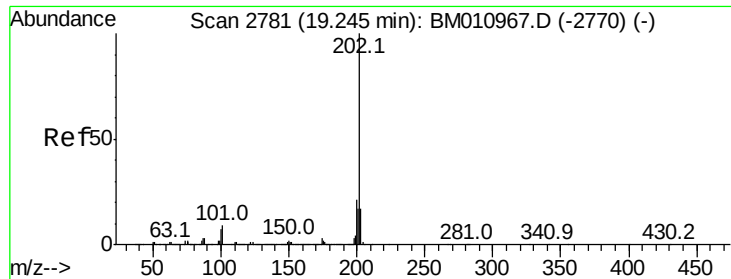


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.7   | 8.2   | 12.2# |
| 236     | 25.2  | 20.0  | 30.0  |







#77

Pvrene

Concen: 43.694 ng

RT: 19.24 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

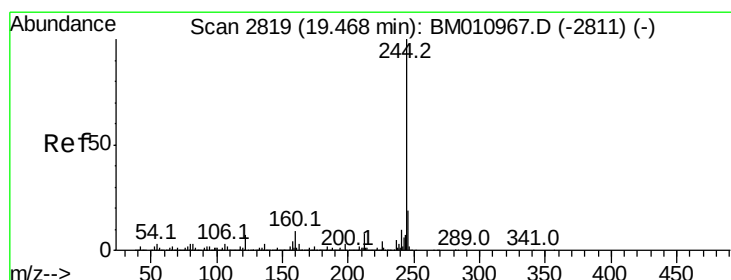
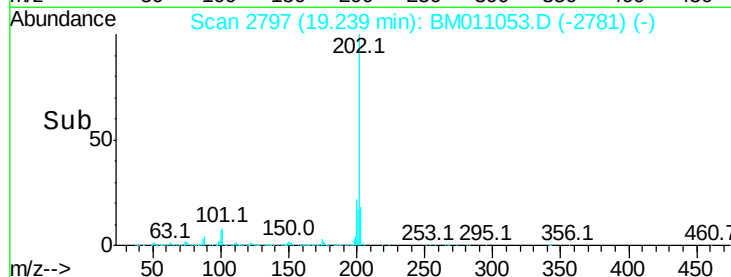
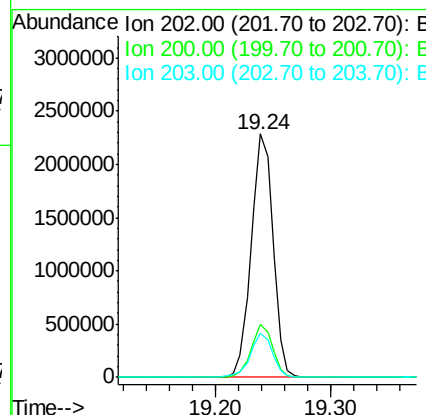
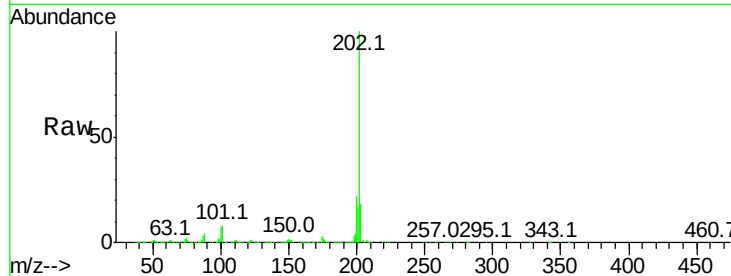
ClientSampleId :

OK-03-072617-AMS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 3019258 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 21.6  | 16.9  | 25.3    |
| 203      | 18.3  | 14.1  | 21.1    |

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#78

Terphenyl-d14

Concen: 89.029 ng

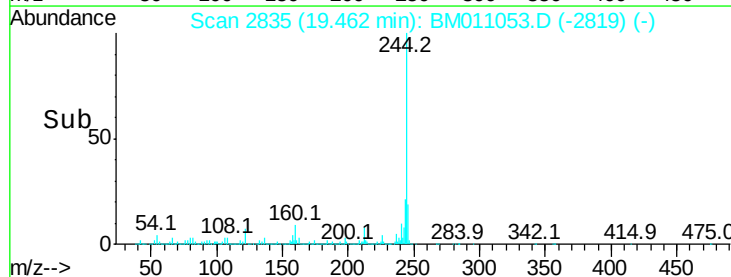
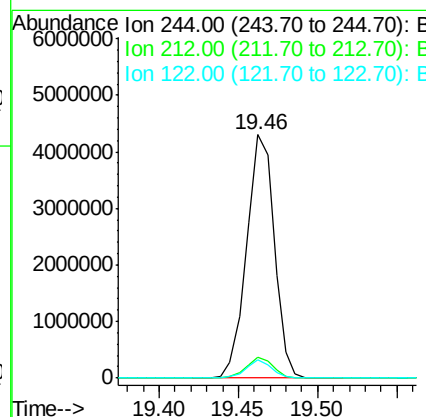
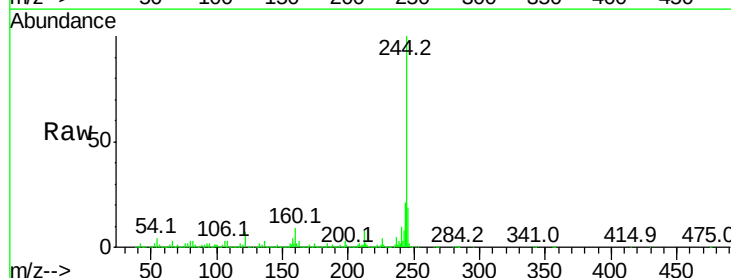
RT: 19.46 min Scan# 2835

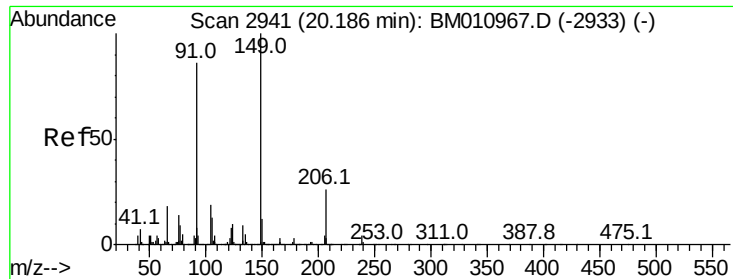
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 5226732 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 8.5   | 4.9   | 7.3#    |
| 122      | 7.4   | 6.2   | 9.4     |





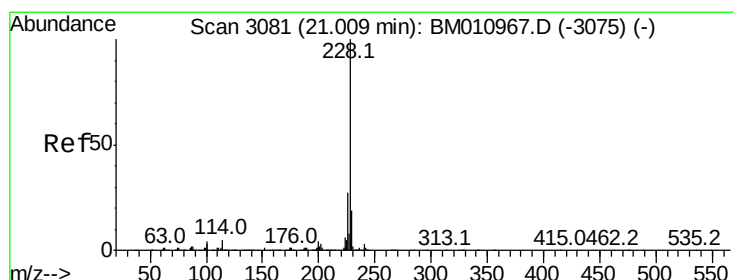
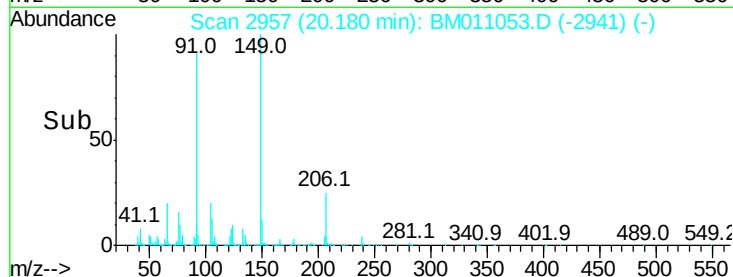
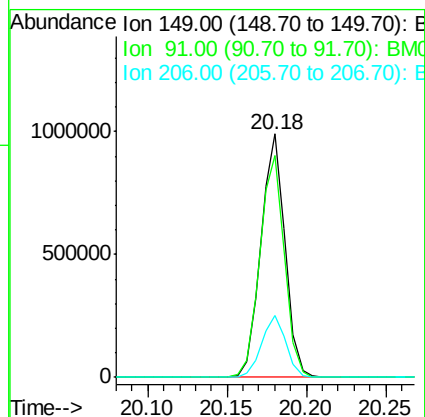
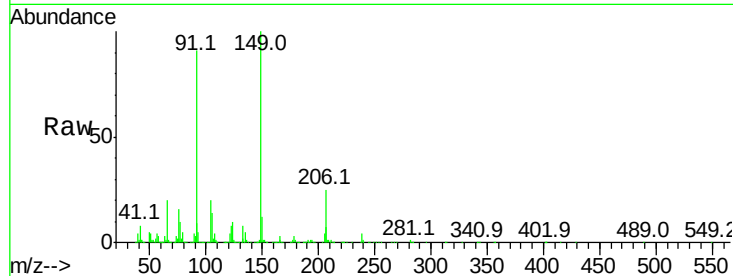
#79  
Butylbenzylphthalate  
Concen: 42.572 ng  
RT: 20.18 min Scan# 2957  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 91.2  | 50.1  | 75.1# |
| 206     | 25.4  | 16.2  | 24.2# |

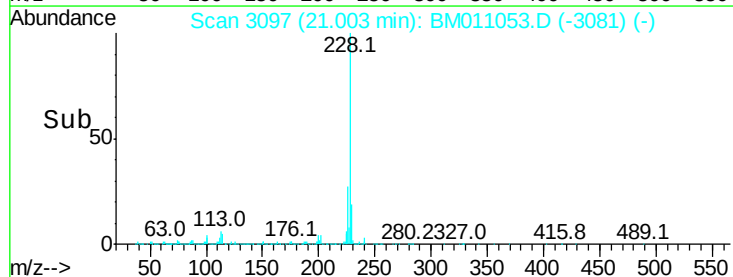
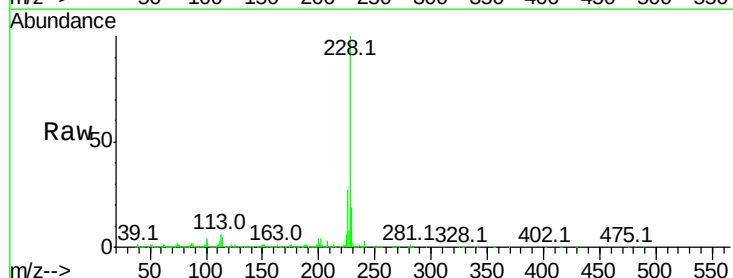
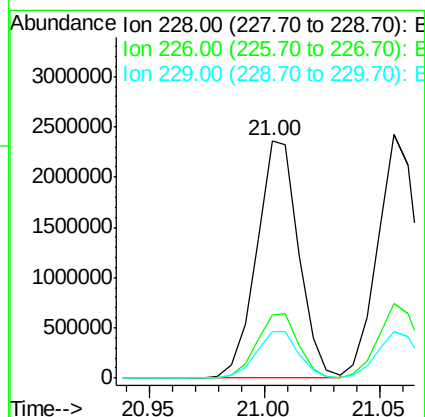
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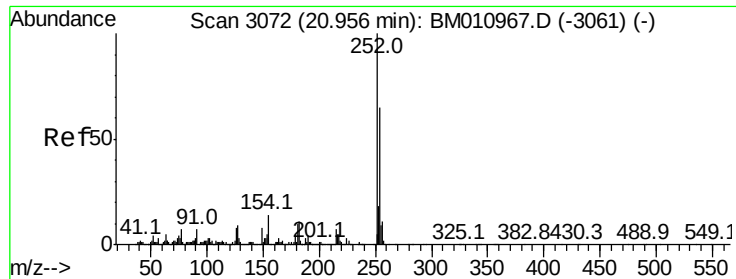
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#80  
Benzo(a)anthracene  
Concen: 45.110 ng  
RT: 21.00 min Scan# 3097  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.7  | 21.7  | 32.5  |
| 229     | 19.5  | 16.0  | 24.0  |





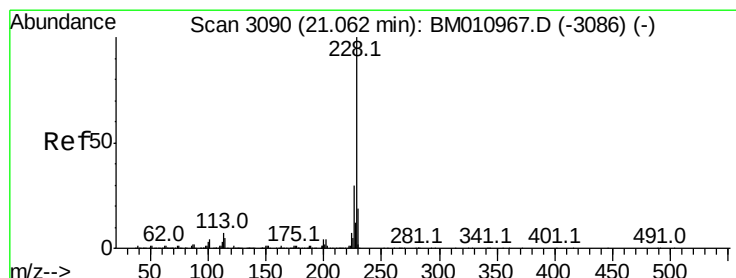
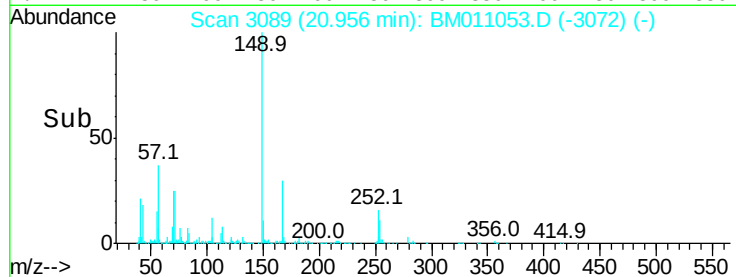
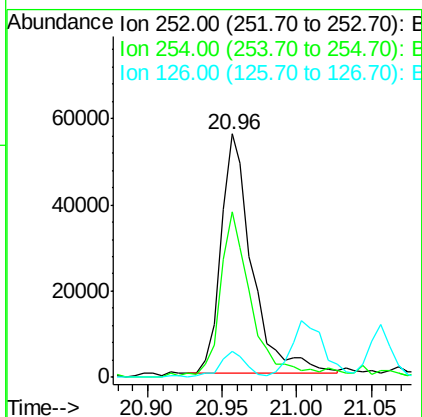
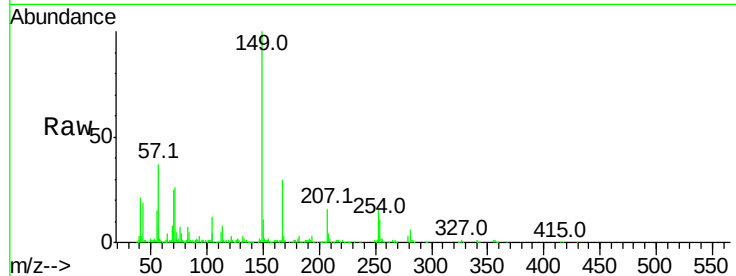
#81  
 3,3'-Dichlorobenzidine  
 Concen: 3.140 ng  
 RT: 20.96 min Scan# 3089  
 Delta R.T. 0.00 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 81800 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 67.8  | 51.9  | 77.9  |
| 126       | 10.5  | 9.8   | 14.8  |

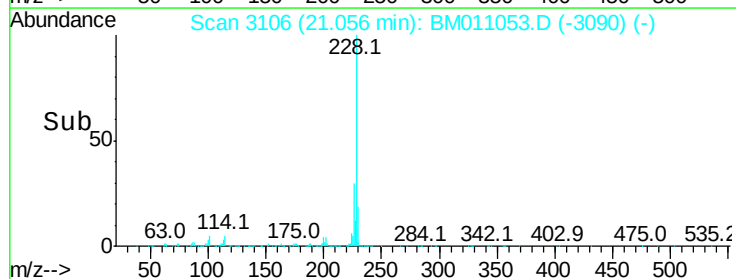
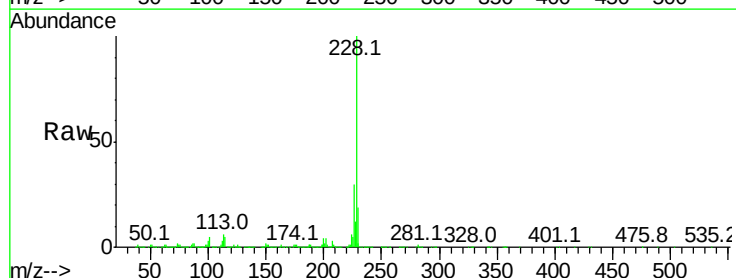
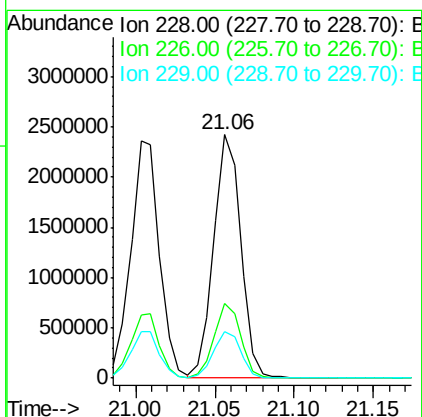
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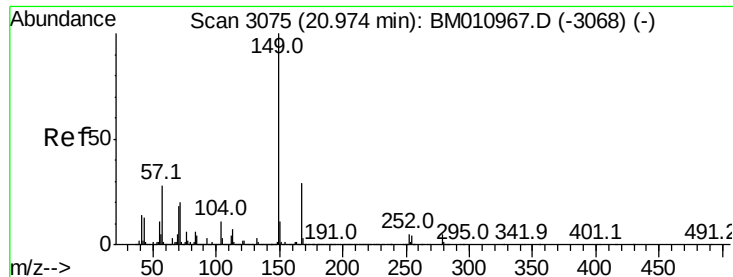
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#82  
 Chrysene  
 Concen: 45.168 ng  
 RT: 21.06 min Scan# 3106  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 2879004 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 30.4  | 24.1  | 36.1    |
| 229       | 19.3  | 15.5  | 23.3    |





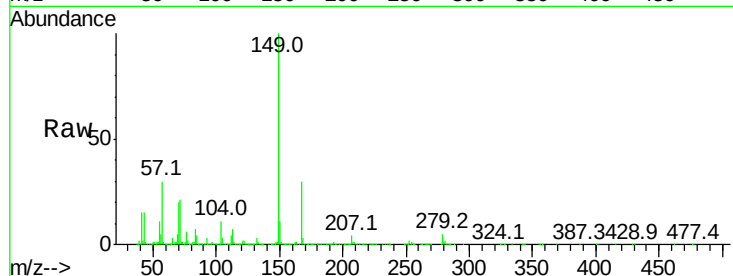
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.370 ng  
 RT: 20.97 min Scan# 3091  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

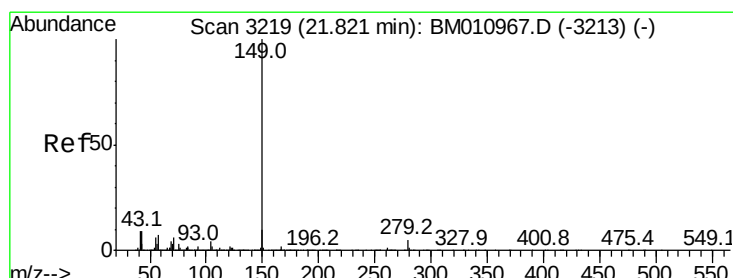
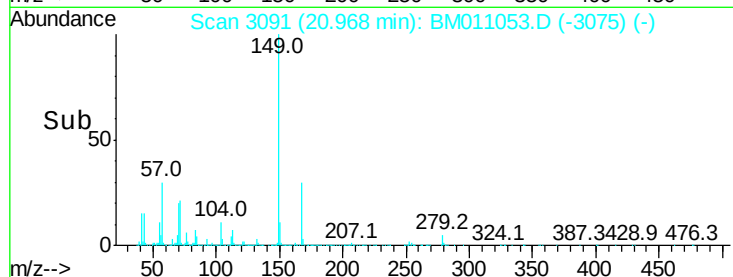
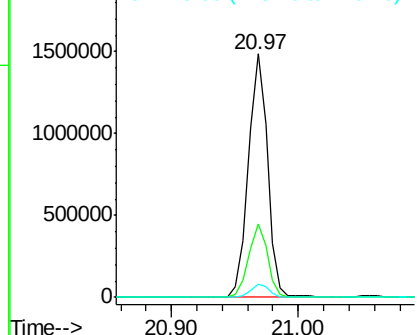
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.0  | 22.4  | 33.6  |
| 279     | 5.4   | 3.4   | 5.0   |

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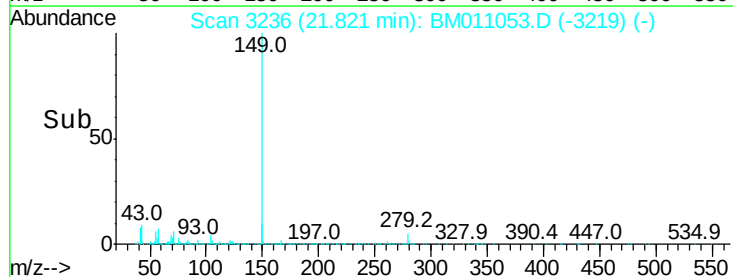
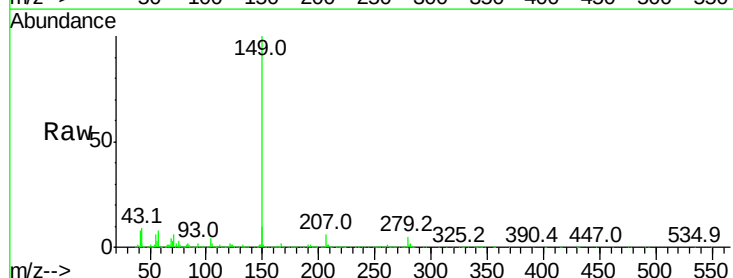
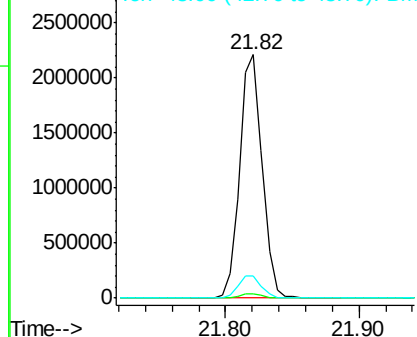
Abundance Ion 149.00 (148.70 to 149.70): E  
 2000000 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

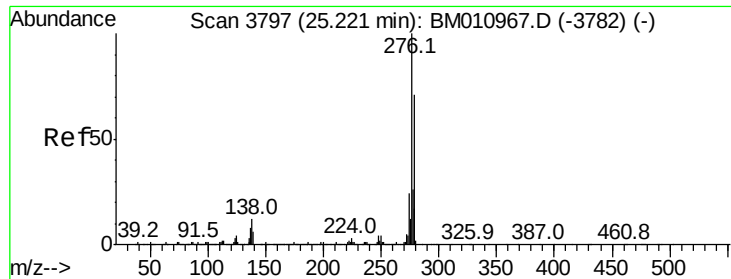


#84  
 Di-n-octyl phthalate  
 Concen: 43.863 ng  
 RT: 21.82 min Scan# 3236  
 Delta R.T. 0.00 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.2   | 1.8   |
| 43      | 9.6   | 7.3   | 10.9  |

Abundance Ion 149.00 (148.70 to 149.70): E  
 3000000 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BM0





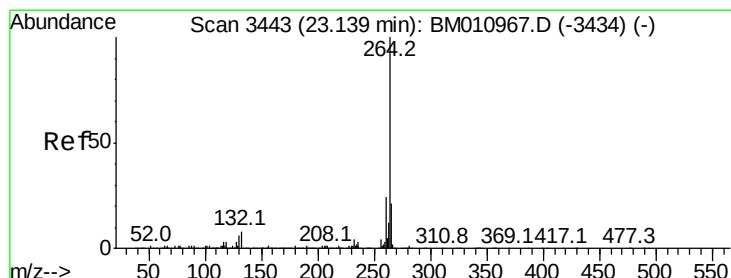
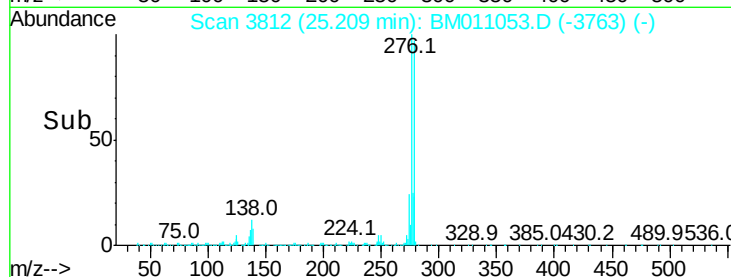
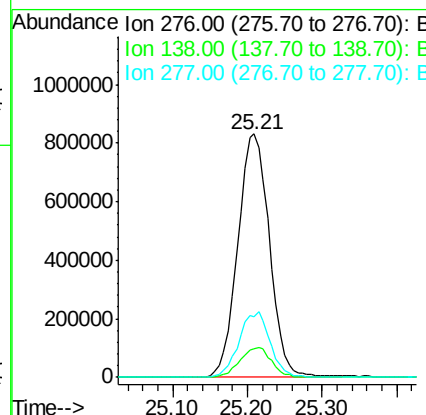
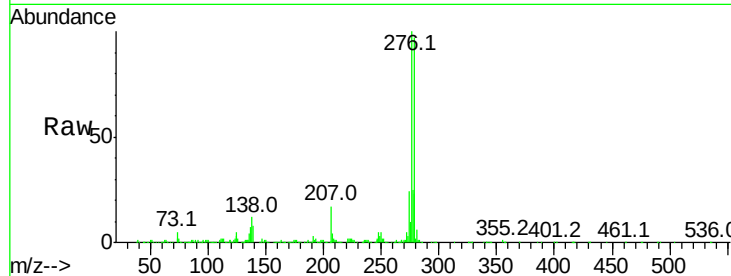
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 37.150 ng  
RT: 25.21 min Scan# 3812  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.3  | 12.0  | 18.0  |
| 277     | 26.6  | 20.0  | 30.0  |

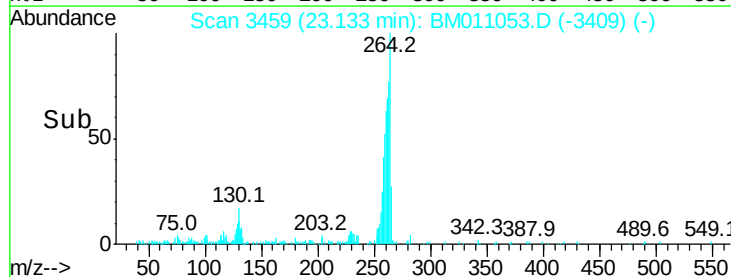
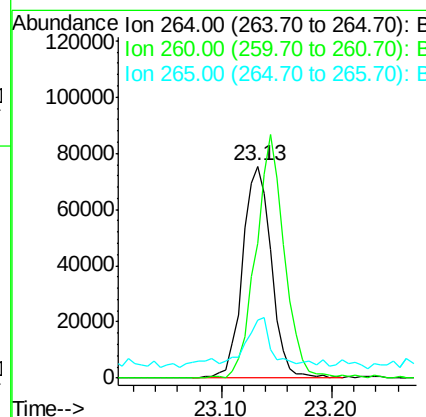
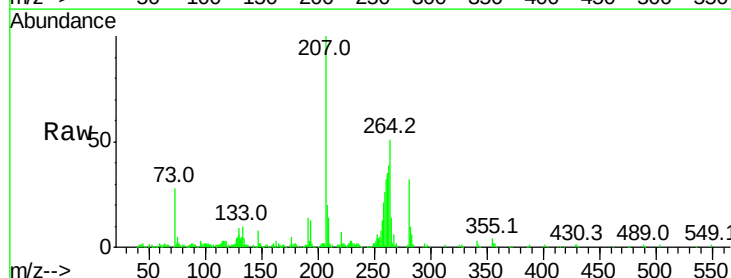
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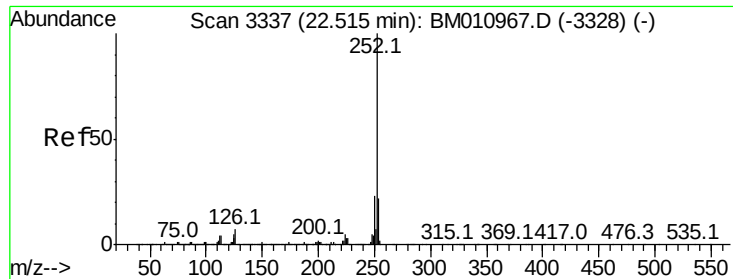
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.13 min Scan# 3459  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 63.3  | 18.6  | 27.8# |
| 265     | 27.1  | 17.3  | 25.9# |





#87

Benzo(b)fluoranthene

Concen: 345.052 ng

RT: 22.51 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

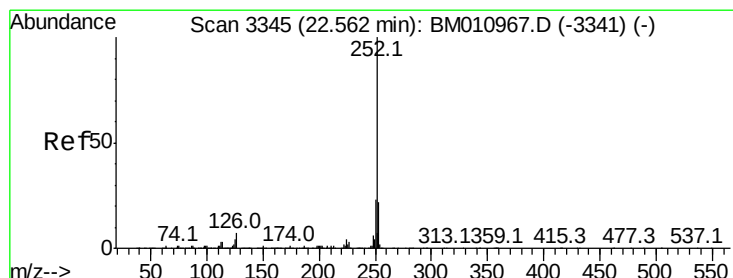
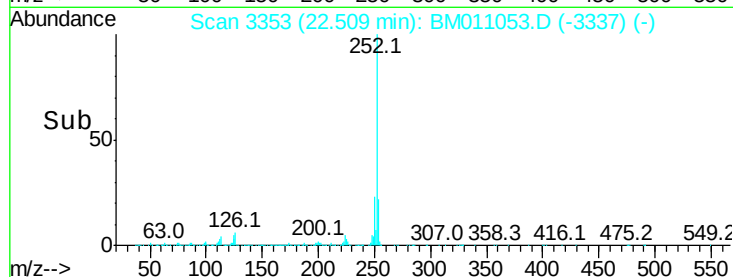
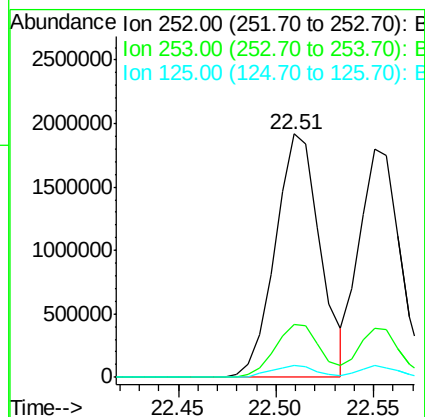
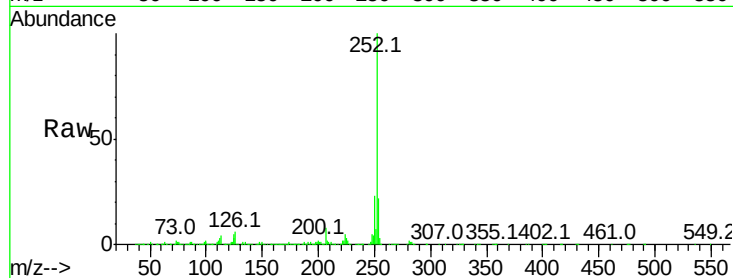
ClientSampleId :

OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 18.0  | 27.0  |
| 125     | 4.9   | 9.9   | 14.9  |

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#88

Benzo(k)fluoranthene

Concen: 306.876 ng

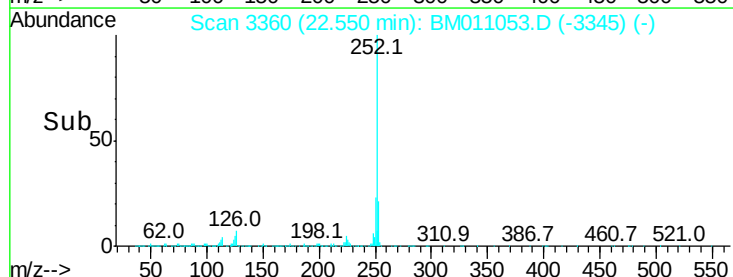
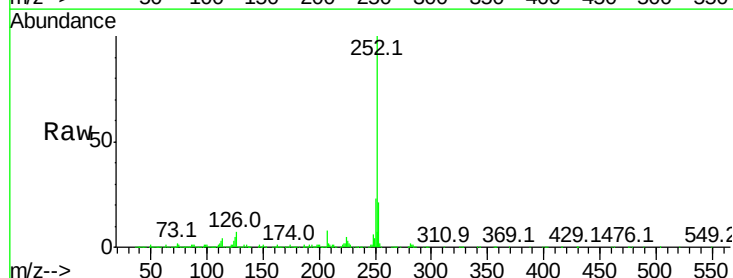
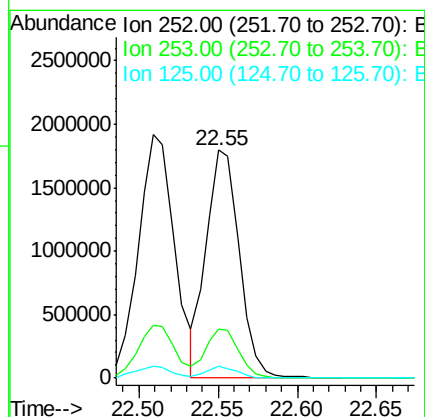
RT: 22.55 min Scan# 3360

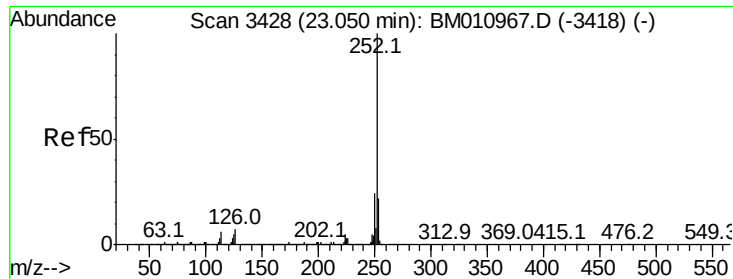
Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 17.2  | 25.8  |
| 125     | 5.2   | 8.1   | 12.1  |





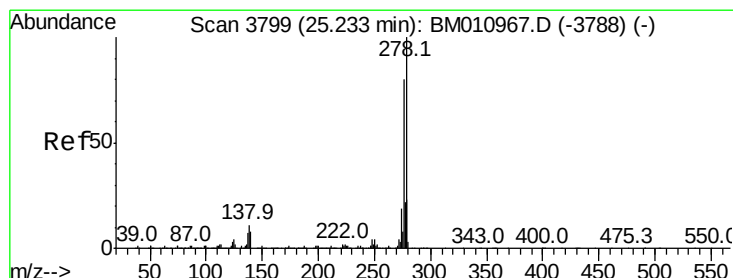
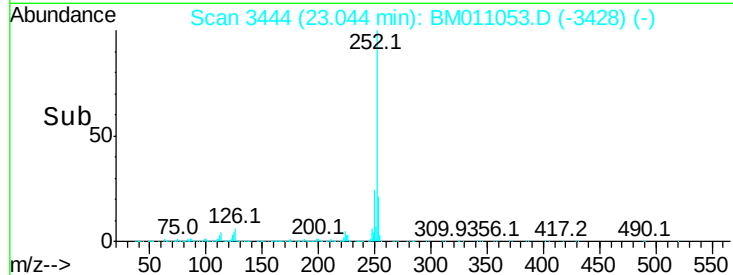
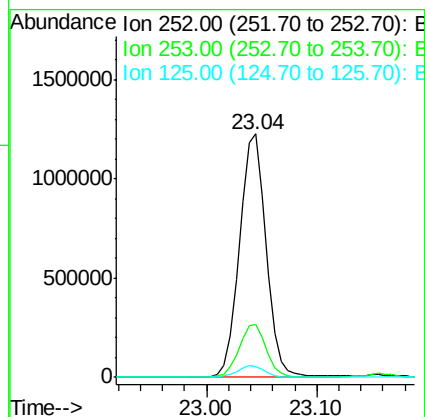
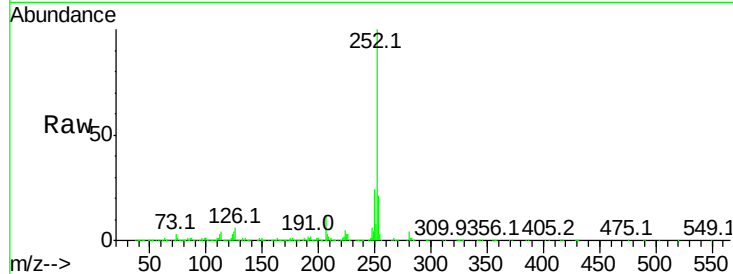
#89  
Benzo(a)pyrene  
Concen: 259.949 ng  
RT: 23.04 min Scan# 3444  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.6  | 26.4  |
| 125     | 4.2   | 7.4   | 11.2  |

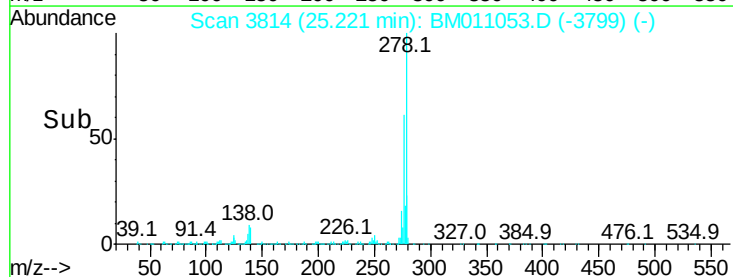
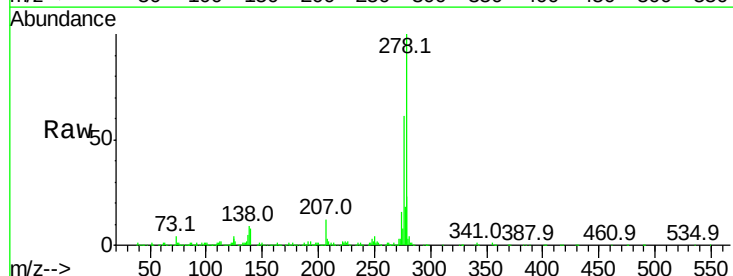
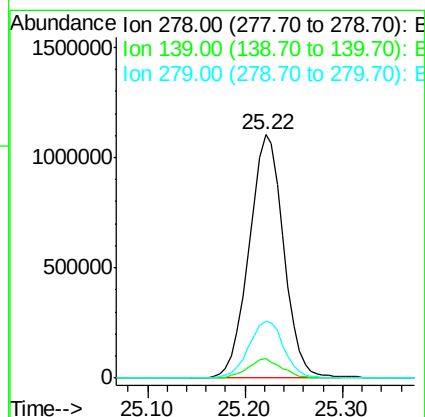
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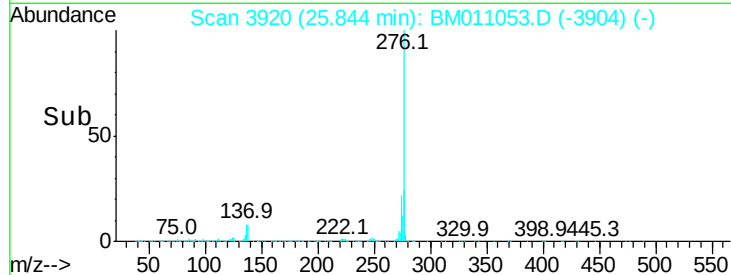
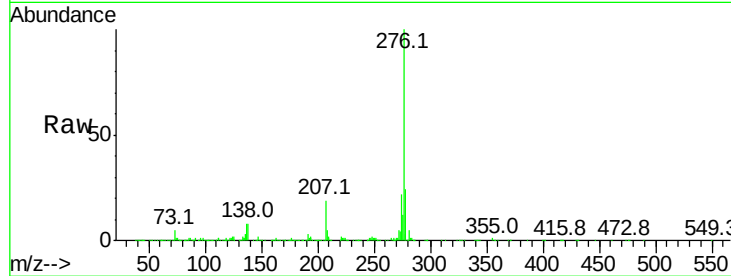
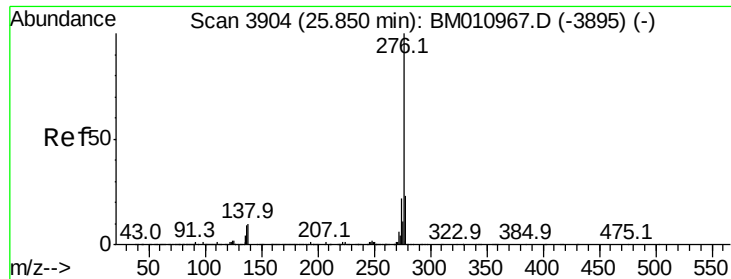
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#90  
Dibenzo(a,h)anthracene  
Concen: 367.086 ng  
RT: 25.22 min Scan# 3814  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 7.9   | 13.4  | 20.0  |
| 279     | 23.4  | 19.0  | 28.4  |





#91

Benzo(a,h,i)perylene

Concen: 277.794 ng

RT: 25.84 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:276 Resp: 2024838

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 7.9 19.0 28.6#

Manual Integrations  
APPROVED

Sohil

7/31/2017 6:50:16 PM

