

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\  
 Data File : BF086342.D  
 Acq On : 21 Apr 2016 7:11  
 Operator : UM/SJ  
 Sample : H2617-05MS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

Manual Integrations  
 APPROVED

sohil  
 4/21/2016 7:12:13 PM

Quant Time: Apr 21 08:32:12 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 20 15:45:26 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 210366   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 8.16  | 136  | 789325   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.90  | 164  | 285480   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.39 | 188  | 487603   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.03 | 240  | 334591   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.46 | 264  | 253447   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 1650365 | 136.88 | ng | 0.01  |
| 7) Phenol-d6             | 6.51  | 99  | 1830297 | 116.00 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 1228203 | 89.11  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 343705  | 154.47 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1781227 | 134.88 | ng | -0.03 |
| 78) Terphenyl-d14        | 12.98 | 244 | 1396897 | 99.38  | ng | -0.02 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.66 | 88  | 257094  | 39.36 | ng | # 84   |
| 3) Pyridine                    | 3.36 | 79  | 614620  | 36.75 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.28 | 42  | 281778  | 48.91 | ng | # 74   |
| 6) Aniline                     | 6.53 | 93  | 284432  | 13.40 | ng | # 63   |
| 8) 2-Chlorophenol              | 6.66 | 128 | 617142  | 43.09 | ng | 87     |
| 9) Benzaldehyde                | 6.42 | 77  | 131808  | 11.79 | ng | 99     |
| 10) Phenol                     | 6.52 | 94  | 676562  | 37.42 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 713045  | 45.15 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 602106  | 38.32 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 653663  | 38.93 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.04 | 146 | 560636m | 37.64 | ng |        |
| 15) Benzyl Alcohol             | 7.01 | 79  | 454388  | 46.35 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 900998  | 40.54 | ng | 92     |
| 17) 2-Methylphenol             | 7.13 | 107 | 512219  | 42.79 | ng | 98     |
| 18) Hexachloroethane           | 7.38 | 117 | 109881  | 21.96 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 404516  | 42.32 | ng | # 85   |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 583133  | 44.91 | ng | # 83   |
| 22) Acetophenone               | 7.28 | 105 | 823776  | 49.68 | ng | # 93   |
| 24) Nitrobenzene               | 7.46 | 77  | 663188  | 44.98 | ng | 93     |
| 25) Isophorone                 | 7.70 | 82  | 1244902 | 47.67 | ng | 95     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 215253  | 32.64 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 556156  | 43.00 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 773762  | 50.67 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 486796  | 47.72 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 498675  | 45.32 | ng | 99     |
| 31) Naphthalene                | 8.18 | 128 | 1762011 | 46.83 | ng | 98     |
| 32) Benzoic acid               | 7.94 | 122 | 325834  | 42.39 | ng | 91     |
| 33) 4-Chloroaniline            | 8.22 | 127 | 180460  | 11.59 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 236087  | 42.57 | ng | 97     |
| 35) Caprolactam                | 8.59 | 113 | 133570  | 40.44 | ng | # 62   |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 496816  | 43.32 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.86 | 142 | 996221  | 42.88 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 408085  | 53.70 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 9.01 | 237 | 23614   | 14.27 | ng | 98     |

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Instrument :  
 BNA\_F  
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 B-931WB(N)(19)MS

Manual Integrations  
 APPROVED

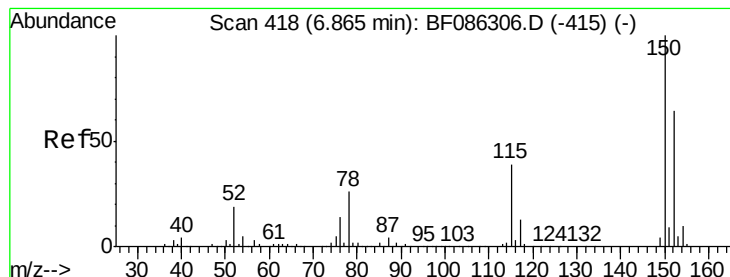
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 4/21/2016 7:12:13 PM

Quant Time: Apr 21 08:32:12 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 273809   | 51.94 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 289081   | 50.35 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 1169207  | 52.15 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 872365   | 51.35 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 324721   | 56.24 | nq    | # 64     |
| 48) Acenaphthylene             | 9.77  | 152  | 1324434  | 49.92 | nq    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 1076264  | 49.52 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 181712   | 40.63 | nq    | # 84     |
| 51) Acenaphthene               | 9.94  | 154  | 753049   | 48.38 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 256147   | 45.03 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 3888     | 10.46 | nq    | # 1      |
| 54) Dibenzofuran               | 10.11 | 168  | 1140386  | 53.89 | nq    | 92       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 283916   | 80.50 | nq    | 82       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 198756   | 35.76 | nq    | # 90     |
| 57) Fluorene                   | 10.45 | 166  | 768131   | 48.99 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 220315   | 57.19 | nq    | # 88     |
| 59) Diethylphthalate           | 10.33 | 149  | 1038283  | 48.96 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 376918   | 51.90 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 300672   | 56.47 | nq    | 89       |
| 62) Azobenzene                 | 10.61 | 77   | 1044293  | 49.95 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198  | 3464     | 8.03  | nq    | # 53     |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 747604   | 46.54 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 223149   | 42.59 | nq    | # 92     |
| 67) Hexachlorobenzene          | 11.00 | 284  | 231944   | 44.11 | nq    | 98       |
| 68) Atrazine                   | 11.09 | 200  | 176649   | 35.78 | nq    | 98       |
| 69) Pentachlorophenol          | 11.20 | 266  | 254574   | 92.42 | nq    | 96       |
| 70) Phenanthrene               | 11.41 | 178  | 1128612  | 48.84 | nq    | 99       |
| 71) Anthracene                 | 11.47 | 178  | 1271523  | 51.38 | nq    | 98       |
| 72) Carbazole                  | 11.63 | 167  | 1214193  | 51.85 | nq    | 96       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 1452683  | 48.18 | nq    | 99       |
| 74) Fluoranthene               | 12.60 | 202  | 1202944  | 56.15 | nq    | 99       |
| 76) Benzidine                  | 12.73 | 184  | 800529   | 54.20 | nq    | 95       |
| 77) Pyrene                     | 12.83 | 202  | 1218904  | 49.11 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 637271   | 48.64 | nq    | # 80     |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 900392   | 51.09 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 321205   | 26.35 | nq    | # 97     |
| 82) Chrysene                   | 14.05 | 228  | 817209   | 42.90 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 787439   | 51.32 | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 1501844  | 54.31 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 729779   | 37.25 | nq    | 97       |
| 87) Benzo(b)fluoranthene       | 15.05 | 252  | 719260m  | 49.07 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 724691m  | 58.72 | nq    |          |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 677190   | 50.12 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.89 | 278  | 619679   | 52.54 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.29 | 276  | 596121   | 52.72 | nq    | 97       |

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





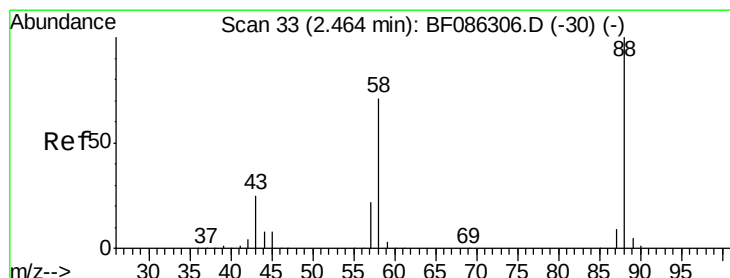
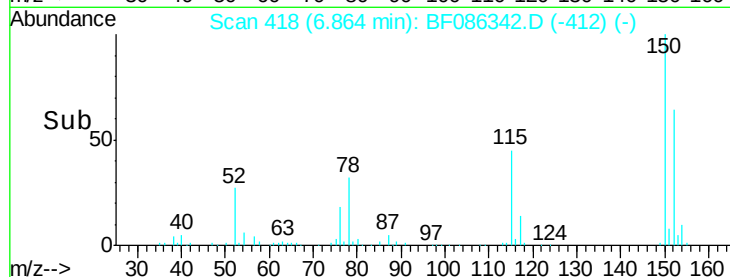
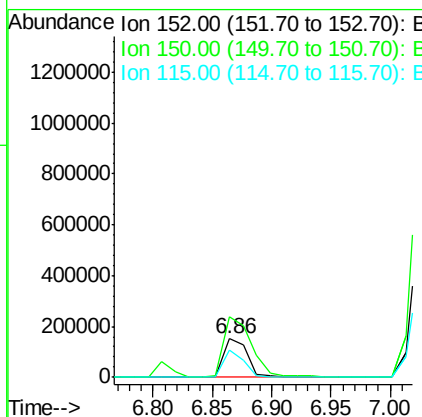
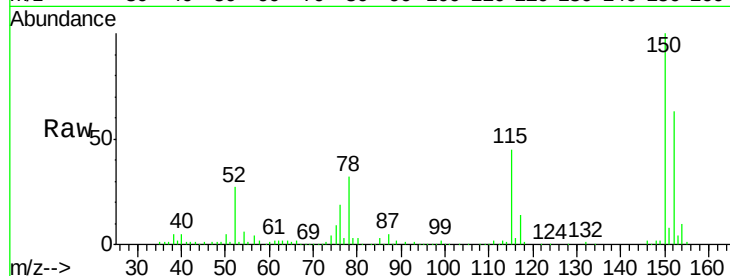
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 418  
 Delta R.T. -0.03 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.0 | 124.1 | 186.1 |
| 115     | 70.5  | 43.9  | 65.9  |

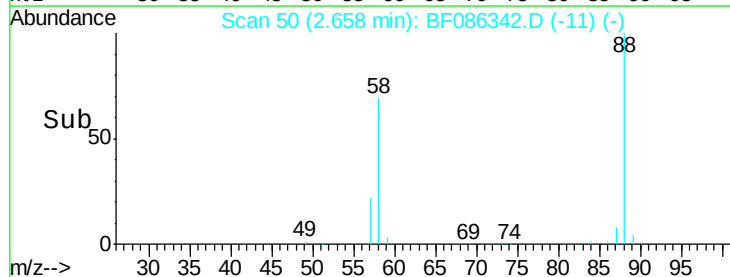
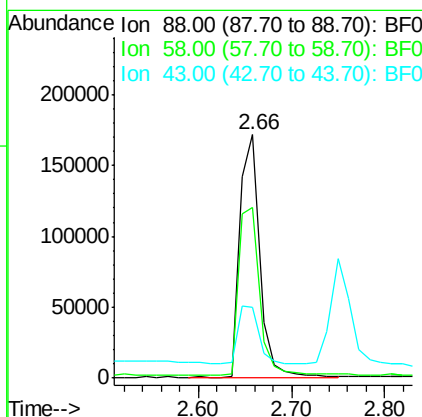
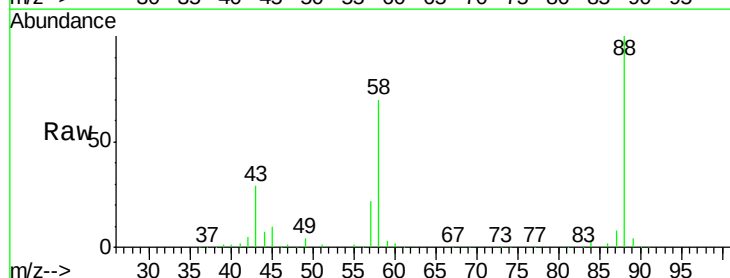
Manual Integrations  
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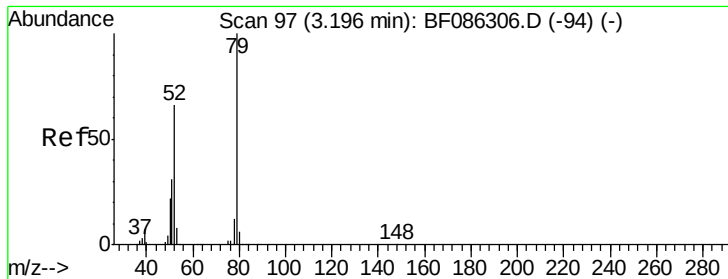
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#2  
 1,4-Dioxane  
 Concen: 39.36 ng  
 RT: 2.66 min Scan# 50  
 Delta R.T. 0.15 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 72.8  | 58.4  | 87.6  |
| 43      | 0.0   | 23.3  | 34.9  |





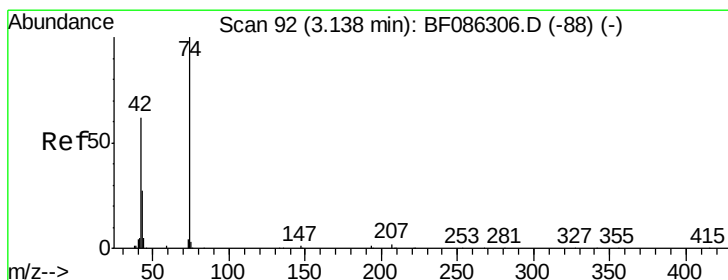
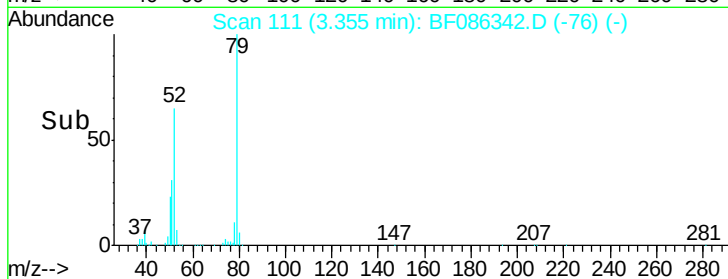
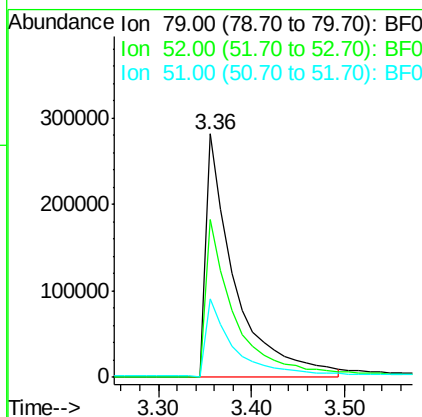
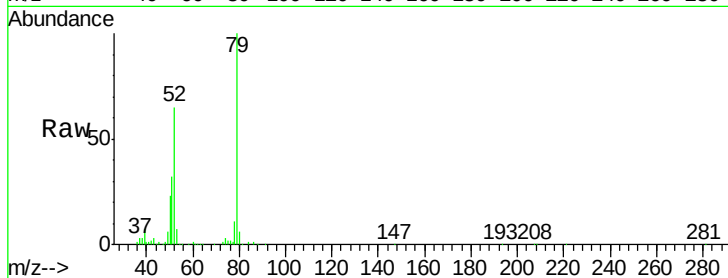
#3  
 Pvridine  
 Concen: 36.75 ng  
 RT: 3.36 min Scan# 111  
 Delta R.T. 0.10 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 79      | 79  | 100   | 614620 |       |       |
| 52      | 52  | 64.7  |        | 55.4  | 83.2  |
| 51      | 51  | 32.0  |        | 28.1  | 42.1  |

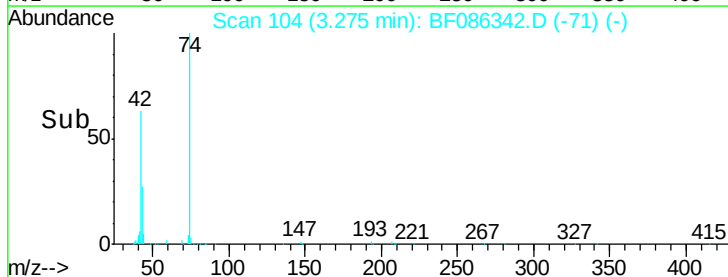
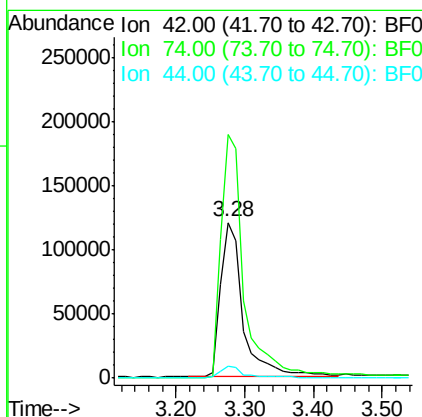
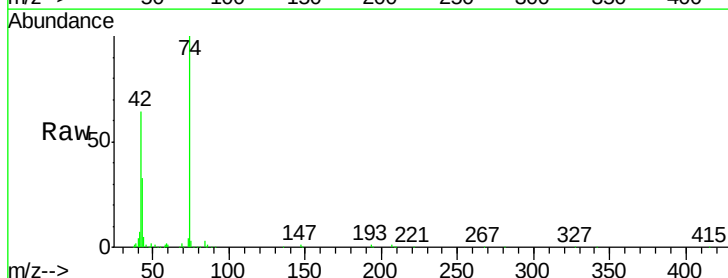
Manual Integrations  
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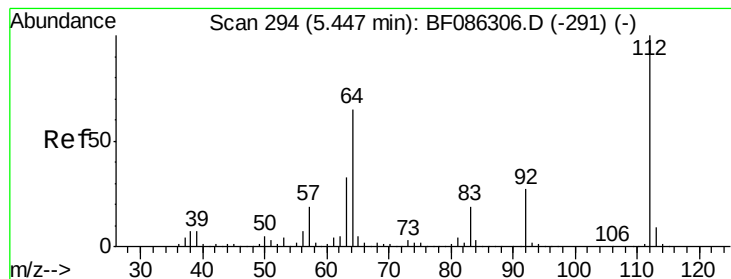
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#4  
 n-Nitrosodimethylamine  
 Concen: 48.91 ng  
 RT: 3.28 min Scan# 104  
 Delta R.T. 0.08 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper  |
|---------|-----|-------|--------|-------|--------|
| 42      | 42  | 100   | 281778 |       |        |
| 74      | 74  | 156.7 |        | 100.5 | 150.7# |
| 44      | 44  | 7.8   |        | 5.4   | 8.0    |





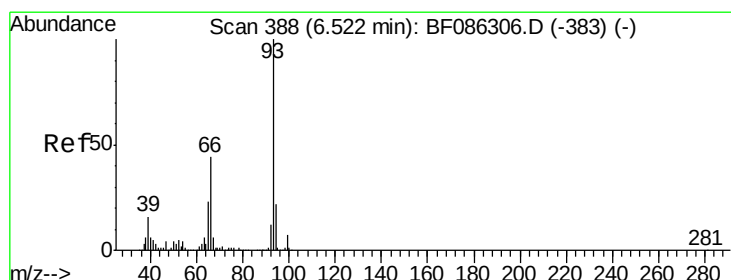
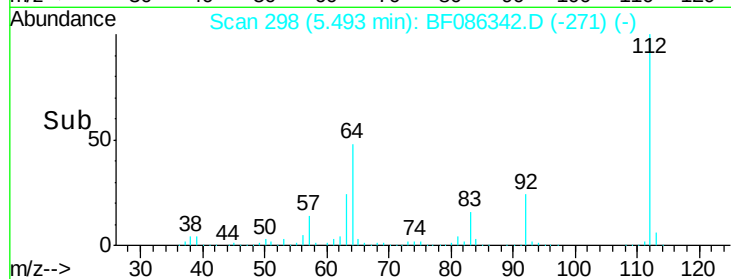
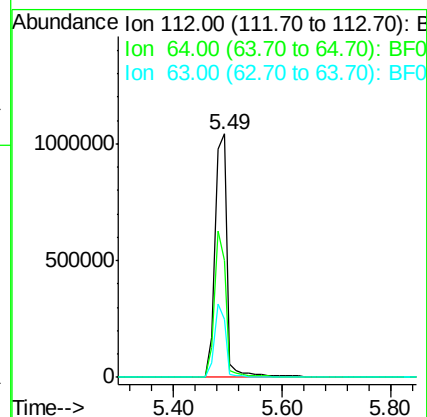
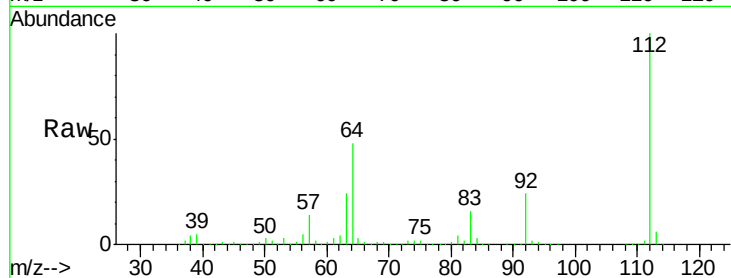
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 2-Fluorophenol  
 Concen: 136.88 ng  
 RT: 5.49 min Scan# 298  
 Delta R.T. 0.01 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.8  | 48.1  | 72.1# |
| 63      | 24.1  | 25.5  | 38.3# |

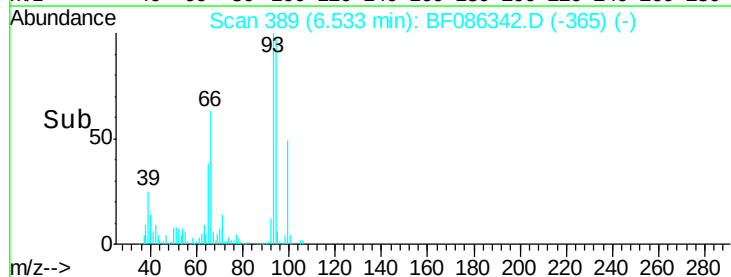
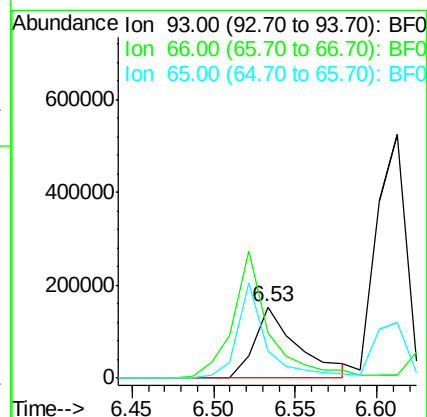
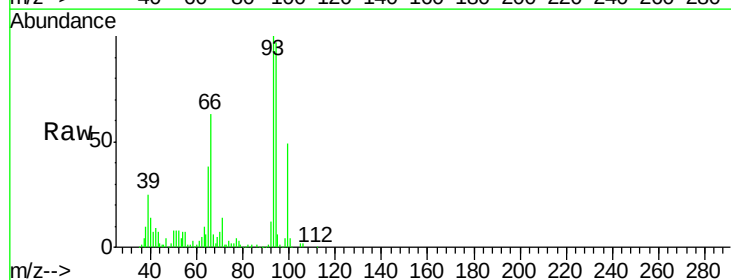
Manual Integrations  
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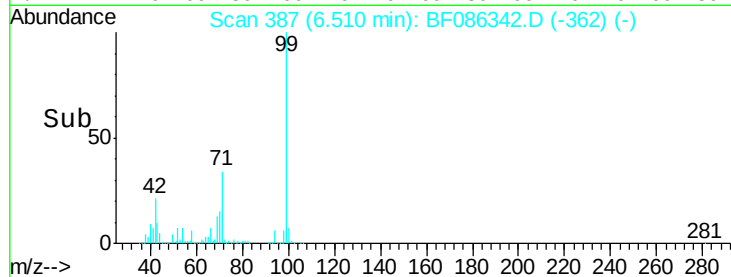
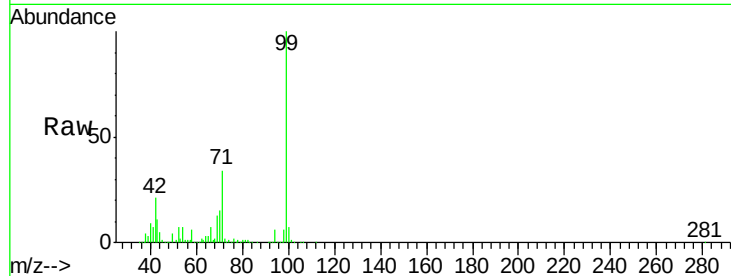
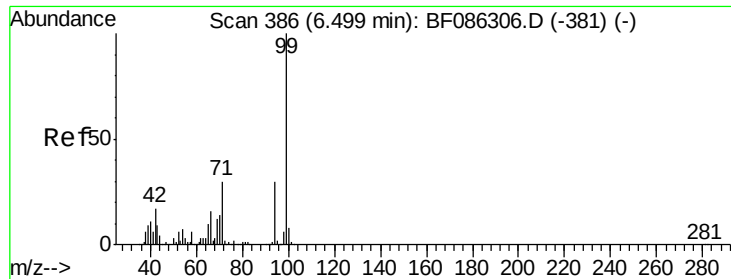
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 4/21/2016 7:12:13 PM



#6  
 Aniline  
 Concen: 13.40 ng  
 RT: 6.53 min Scan# 389  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 63.0  | 32.2  | 48.2# |
| 65      | 38.0  | 16.4  | 24.6# |





#7

Phenol-d6

Concen: 116.00 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Tot Ion: 99 Resp: 1830297

Ion Ratio Lower Upper

99 100

42 20.9 15.4 23.2

71 33.9 25.6 38.4

Instrument :

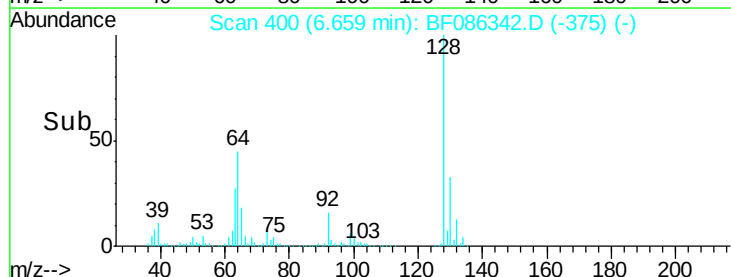
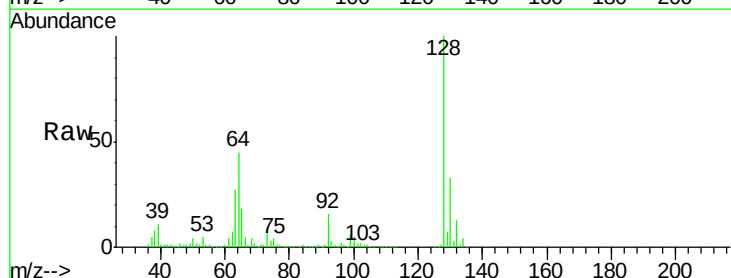
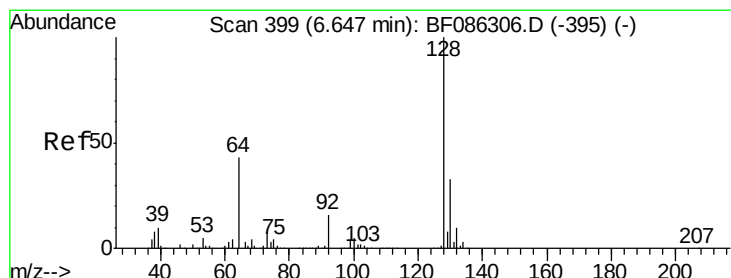
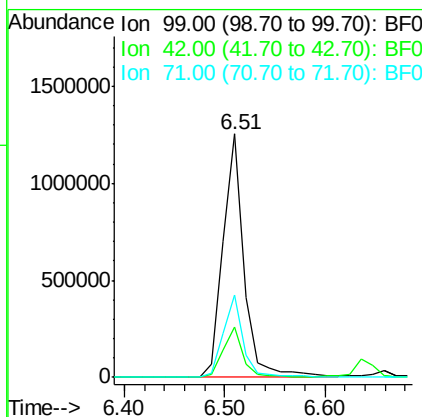
BNA\_F

ClientSampleId :

B-931WB(N)(19)MS

Manual Integrations  
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#8

2-Chlorophenol

Concen: 43.09 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

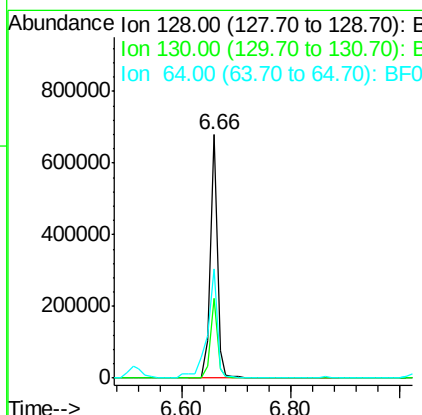
Tgt Ion: 128 Resp: 617142

Ion Ratio Lower Upper

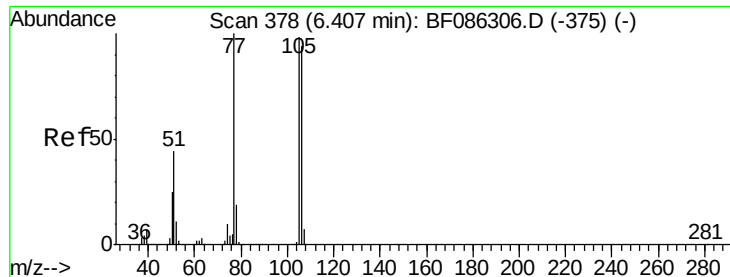
128 100

130 32.8 11.8 51.8

64 44.9 39.5 79.5







#9

Benzaldehyde

Concen: 11.79 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

ClientSampleId :

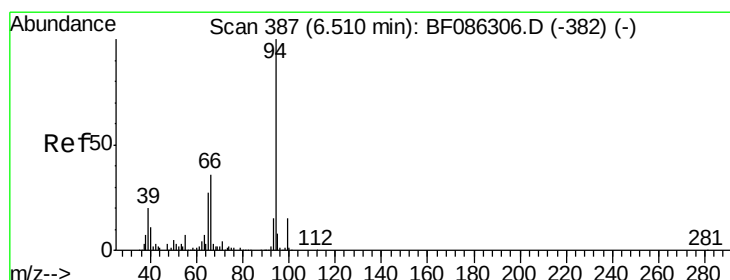
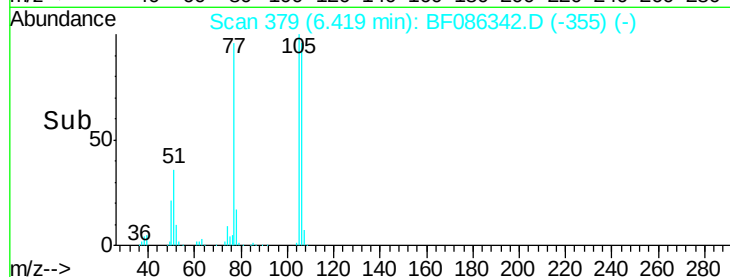
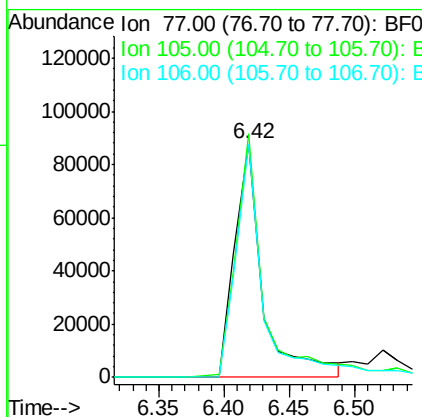
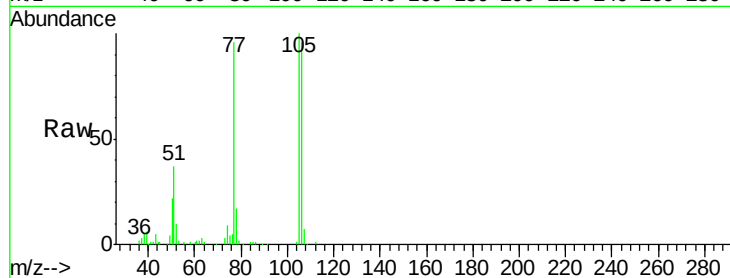
B-931WB(N)(19)MS

Manual Integrations  
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| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 77      | 100   |       |       |       |       |
| 105     | 104.2 | 84.6  | 124.6 |       |       |
| 106     | 100.0 | 78.6  | 118.6 |       |       |



#10

Phenol

Concen: 37.42 ng

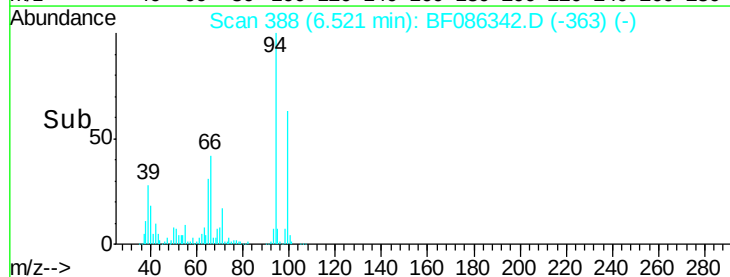
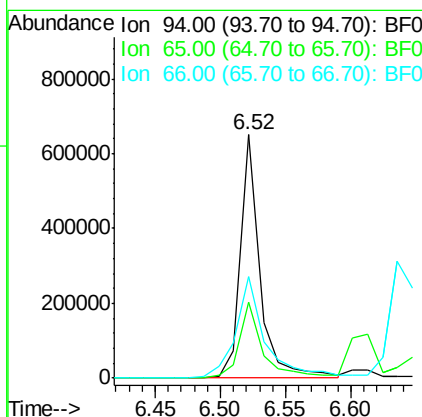
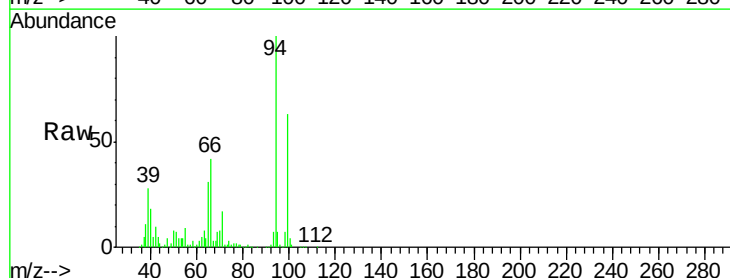
RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

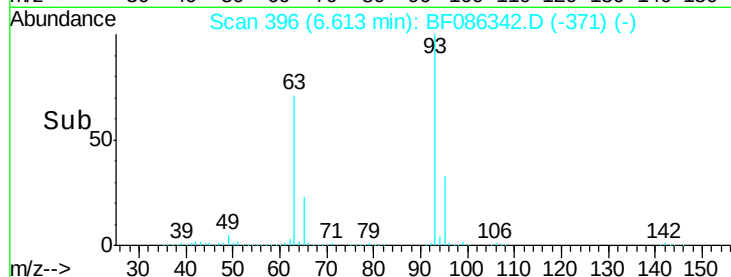
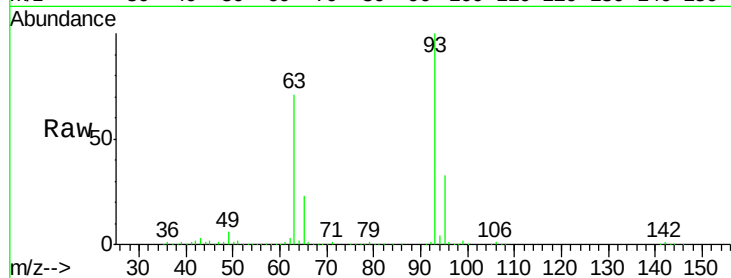
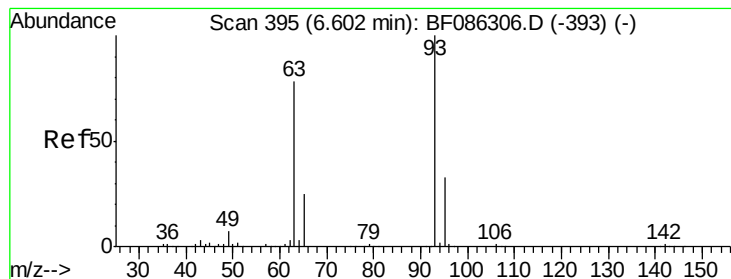
Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 31.3 | 7.9   | 47.9 |       |       |
| 66      | 41.9 | 16.5  | 56.5 |       |       |







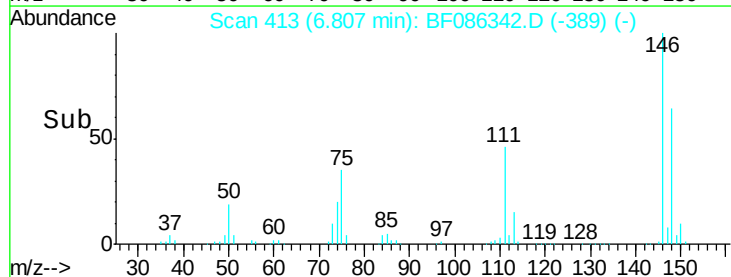
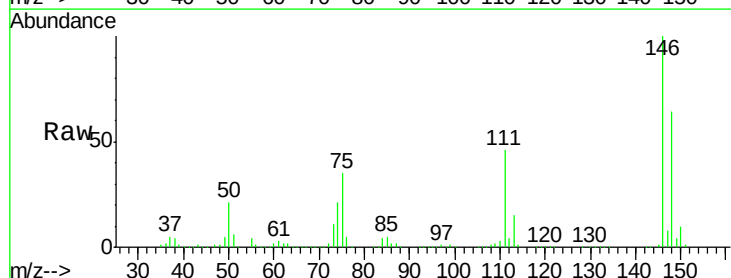
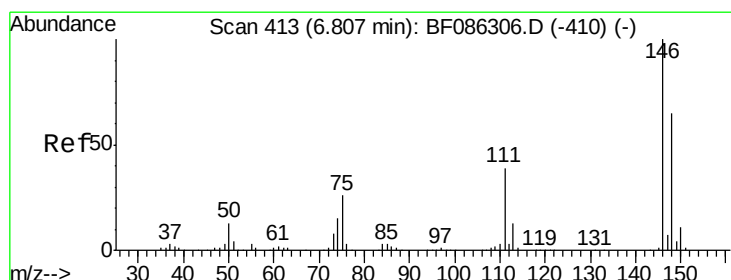
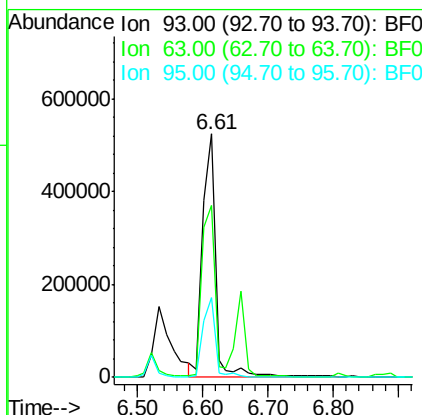
#11  
bis(2-Chloroethyl)ether  
Concen: 45.15 ng  
RT: 6.61 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 713045 |       |       |
| 63      | 70.5 | 44.4  | 84.4   |       |       |
| 95      | 33.0 | 13.1  | 53.1   |       |       |

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

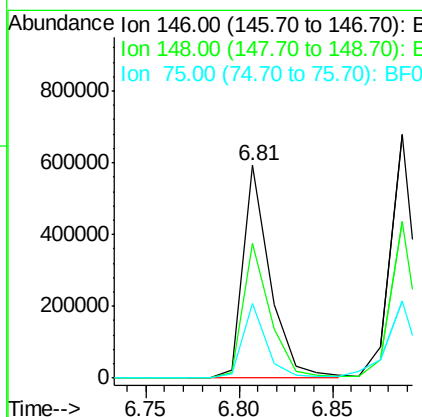
Manual Integrations  
APPROVED

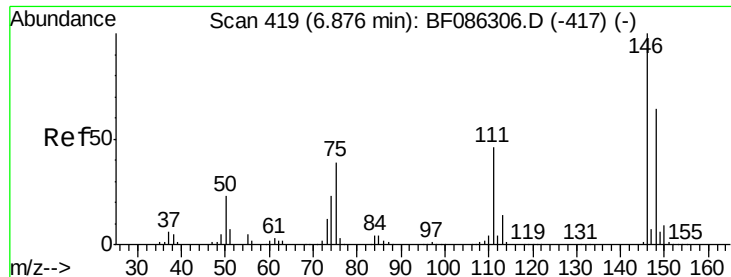
sohil  
4/21/2016 7:12:13 PM



#12  
1,3-Dichlorobenzene  
Concen: 38.32 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 602106 |       |       |
| 148     | 63.6 | 51.0  | 76.4   |       |       |
| 75      | 35.4 | 29.9  | 44.9   |       |       |





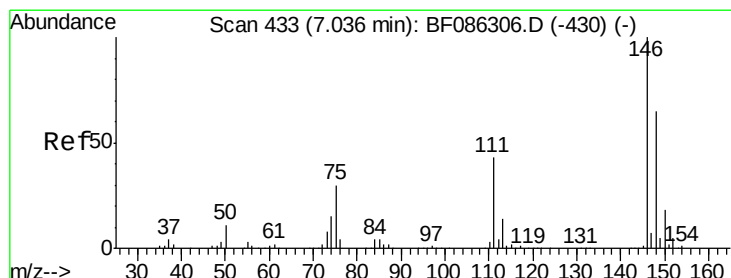
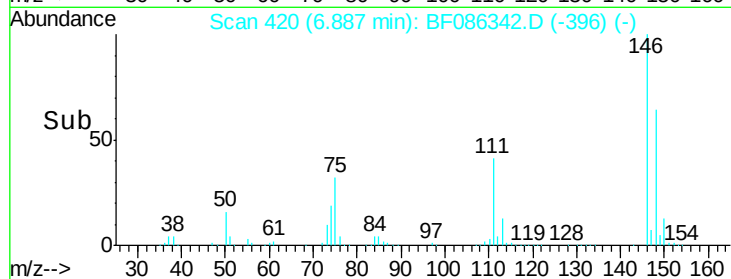
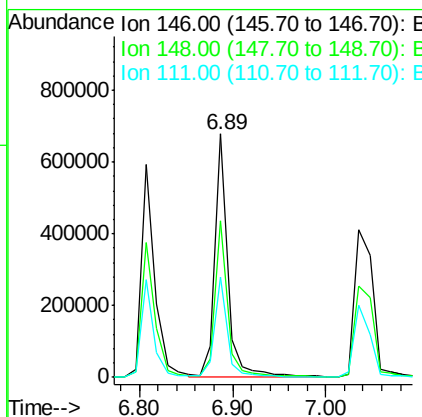
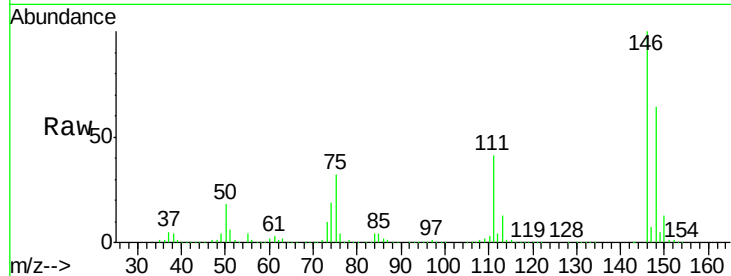
#13  
1,4-Dichlorobenzene  
Concen: 38.93 ng  
RT: 6.89 min Scan# 420  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.8  | 77.6  |
| 111     | 41.4  | 34.9  | 52.3  |

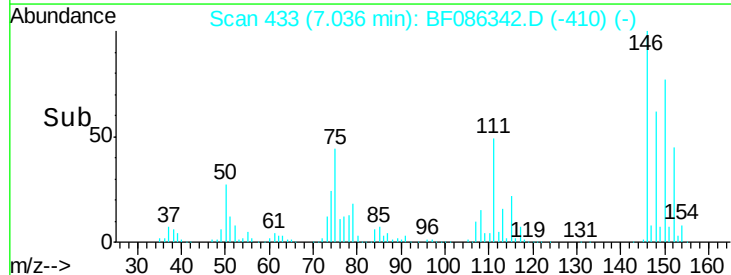
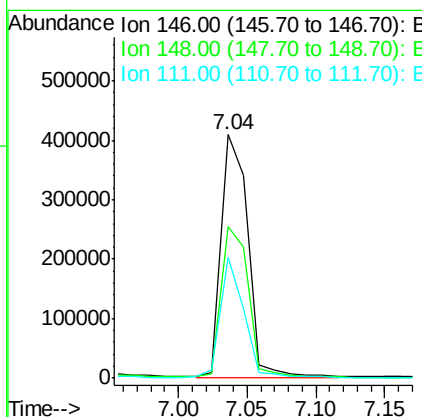
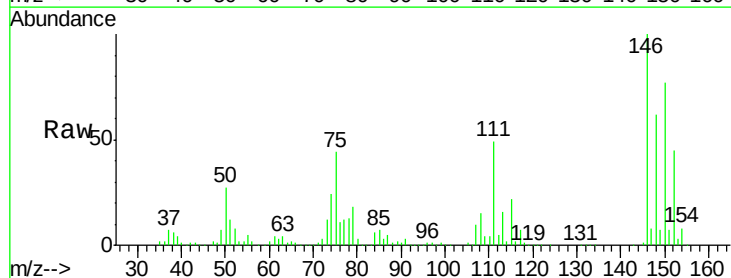
Manual Integrations  
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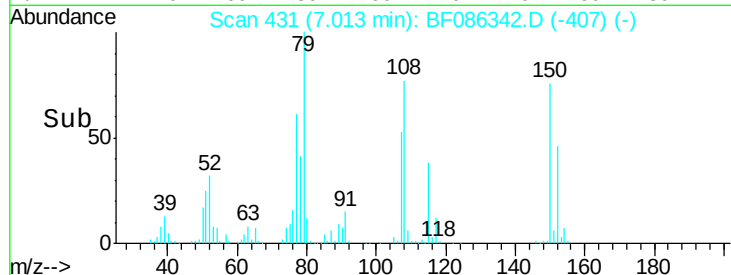
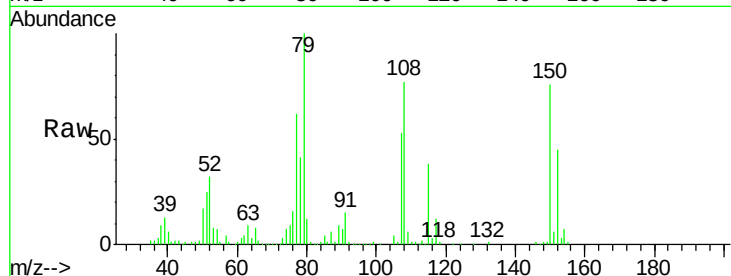
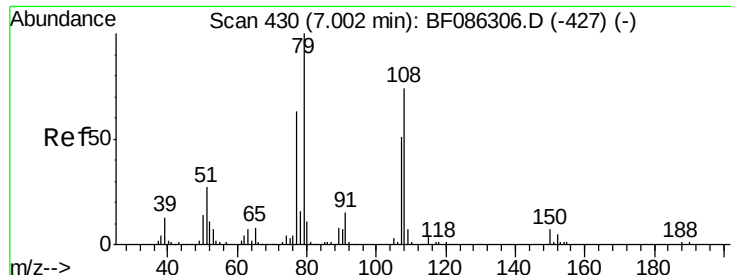
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4/21/2016 7:12:13 PM



#14  
1,2-Dichlorobenzene  
Concen: 37.64 ng m  
RT: 7.04 min Scan# 433  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.4  | 52.2  | 78.2  |
| 111     | 49.4  | 31.0  | 46.4# |





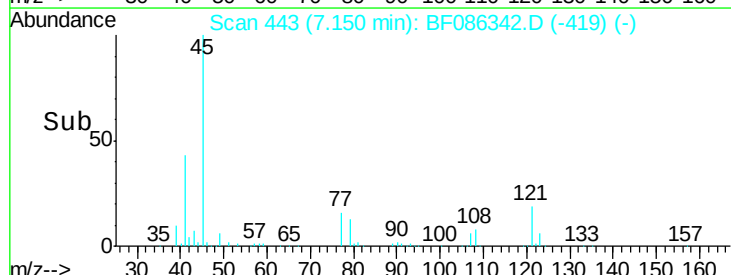
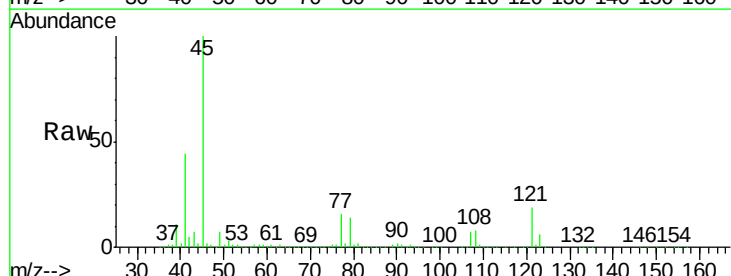
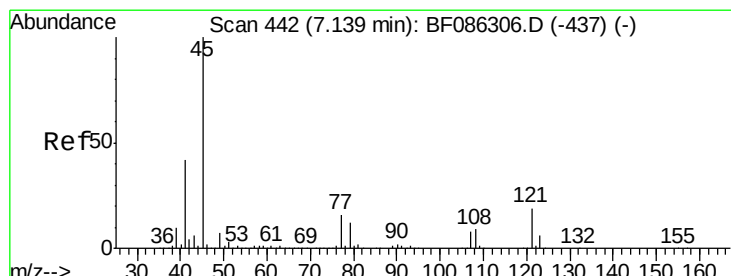
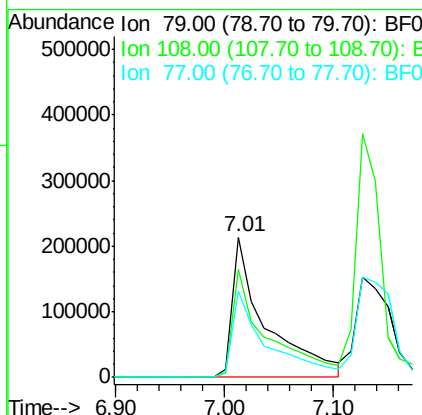
#15  
Benzyl Alcohol  
Concen: 46.35 ng  
RT: 7.01 min Scan# 431  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 454388 |       |       |
| 108     | 77.2  | 64.8   | 97.2  |       |
| 77      | 61.6  | 51.9   | 77.9  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

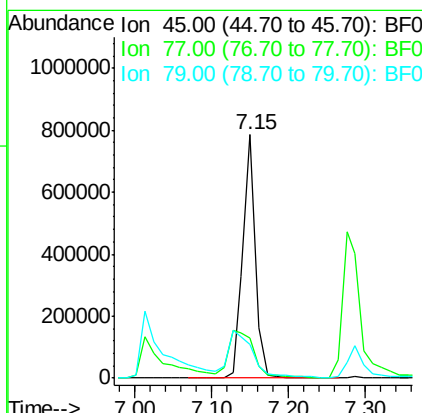
Manual Integrations  
APPROVED

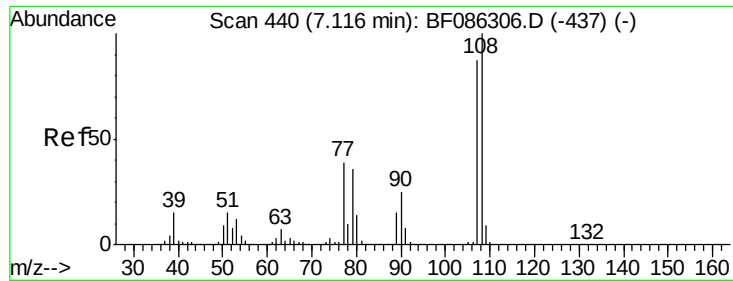
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.54 ng  
RT: 7.15 min Scan# 443  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 900998 |       |       |
| 77      | 16.3  | 0.0    | 33.7  |       |
| 79      | 13.7  | 0.0    | 30.1  |       |





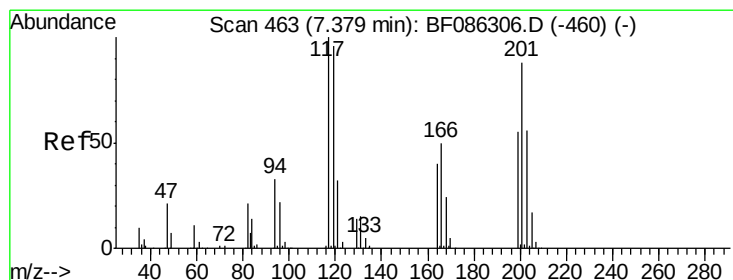
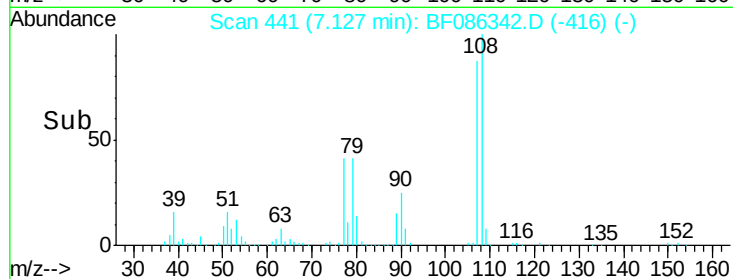
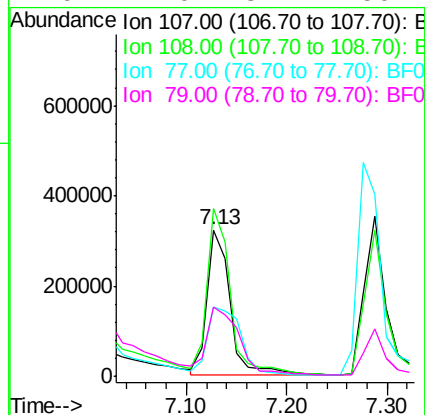
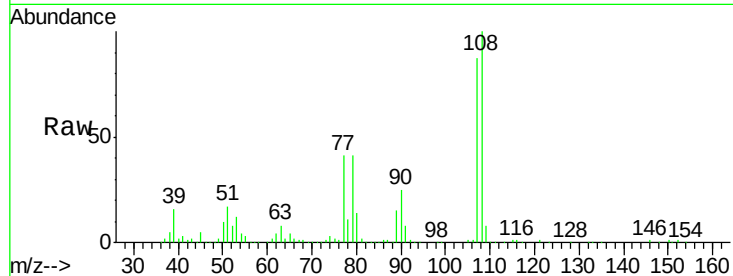
#17  
2-Methylphenol  
Concen: 42.79 ng  
RT: 7.13 min Scan# 441  
Delta R.T. -0.01 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 107     | 107 | 100   | 512219 |       |       |
| 108     | 108 | 114.4 | 92.7   | 139.1 |       |
| 77      | 77  | 47.0  | 39.6   | 59.4  |       |
| 79      | 79  | 47.0  | 37.4   | 56.2  |       |

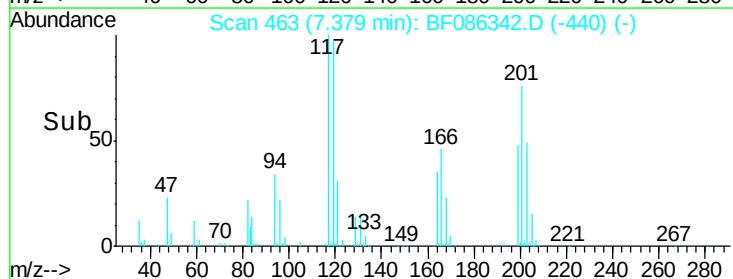
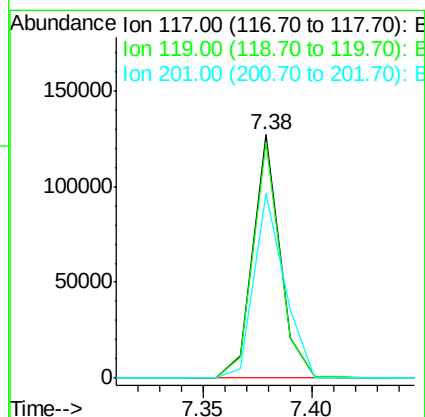
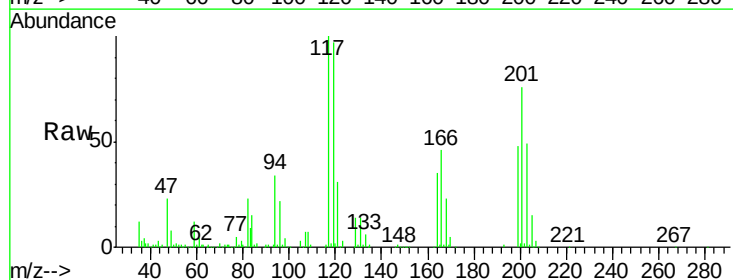
Manual Integrations  
APPROVED

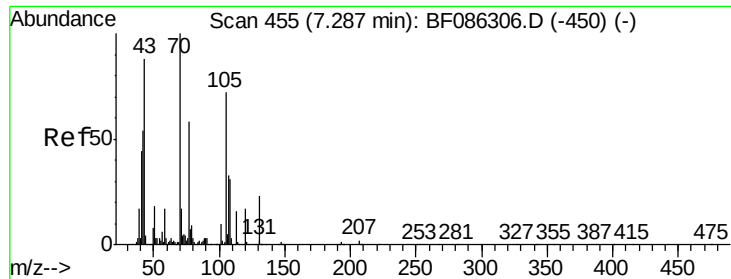
sohil  
4/21/2016 7:12:13 PM



#18  
Hexachloroethane  
Concen: 21.96 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 117     | 117 | 100   | 109881 |       |       |
| 119     | 119 | 96.8  | 78.2   | 117.4 |       |
| 201     | 201 | 75.8  | 75.7   | 113.5 |       |





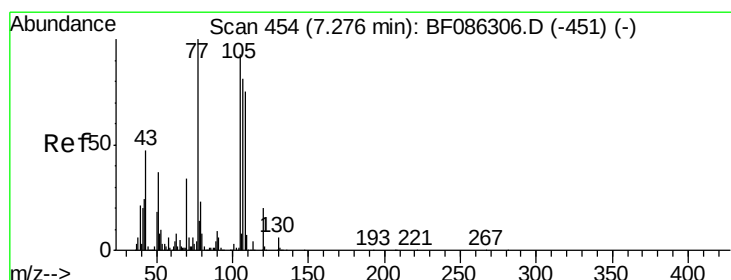
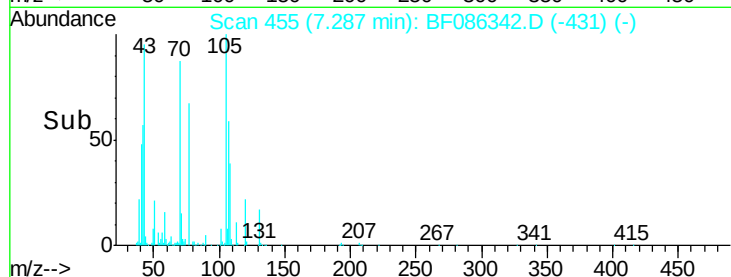
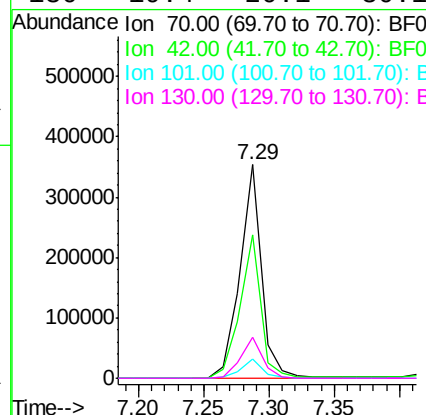
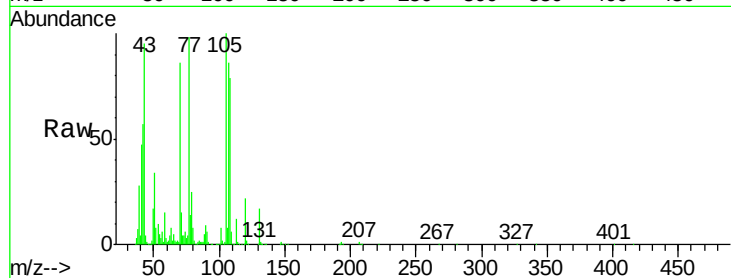
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.32 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 70      | 100  |       |       |       |       |
| 42      | 66.9 | 43.0  | 64.4# |       |       |
| 101     | 9.3  | 8.1   | 12.1  |       |       |
| 130     | 19.4 | 20.1  | 30.1# |       |       |

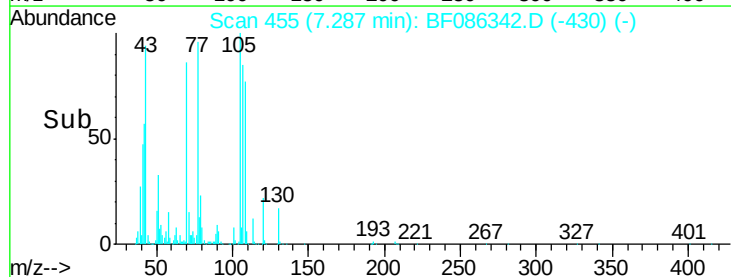
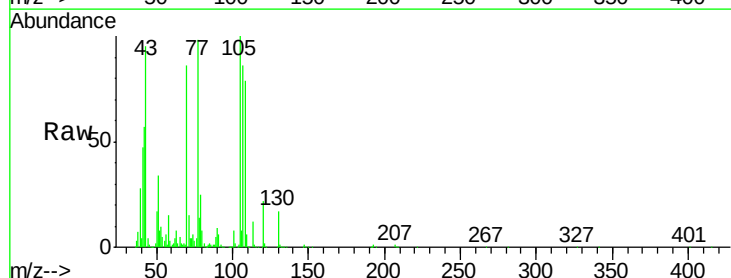
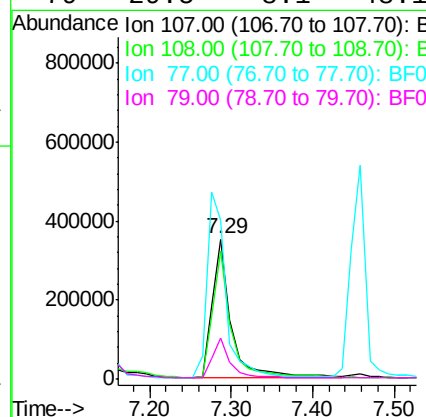
Manual Integrations  
APPROVED

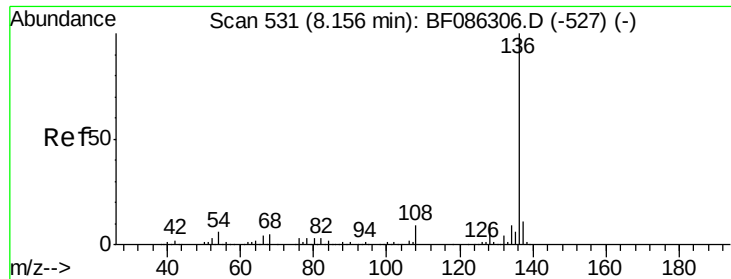
sohil  
4/21/2016 7:12:13 PM



#20  
3+4-Methylphenols  
Concen: 44.91 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       |        |       |       |
| 108     | 91.7  | 69.7  | 109.7  |       |       |
| 77      | 113.8 | 60.5  | 100.5# |       |       |
| 79      | 29.5  | 8.1   | 48.1   |       |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086342.D

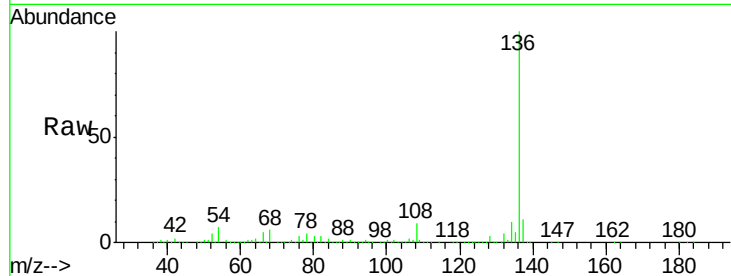
Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

ClientSampleId :

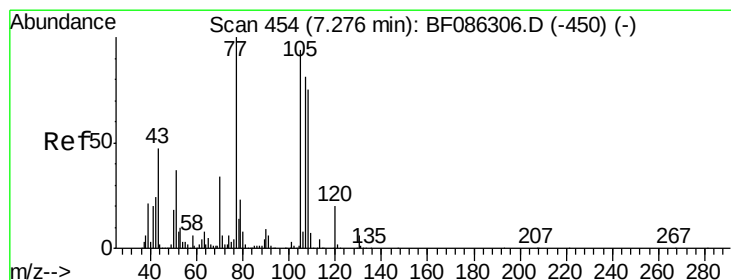
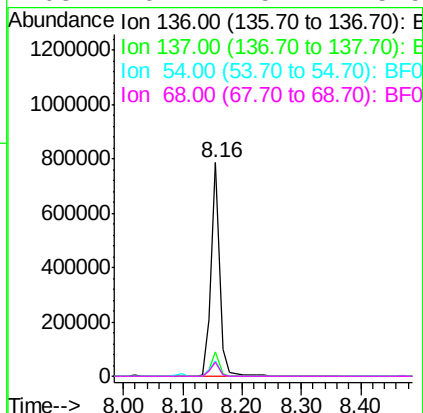
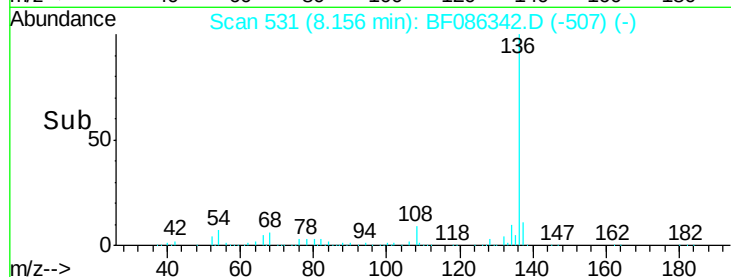
B-931WB(N)(19)MS



| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 11.2 | 9.1   | 13.7 |       |       |
| 54      | 7.3  | 7.3   | 10.9 |       |       |
| 68      | 6.4  | 5.7   | 8.5  |       |       |

Manual Integrations  
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#22

Acetophenone

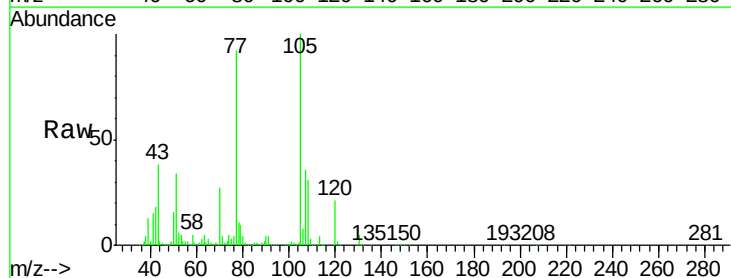
Concen: 49.68 ng

RT: 7.28 min Scan# 454

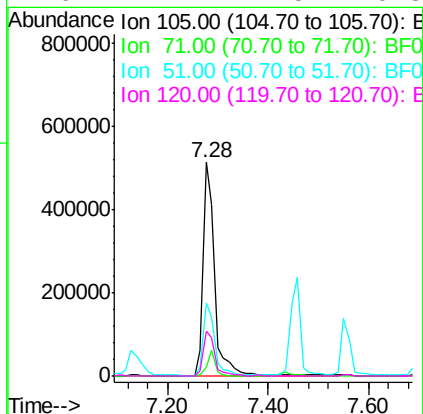
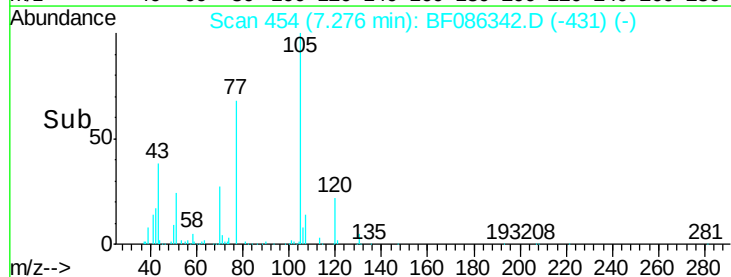
Delta R.T. -0.03 min

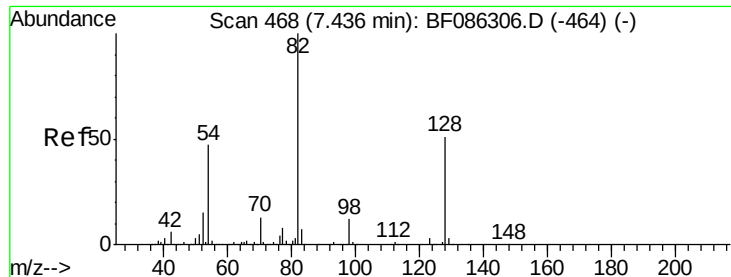
Lab File: BF086342.D

Acq: 21 Apr 2016 7:11



| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 105     | 100  |       |      |       |       |
| 71      | 4.5  | 4.0   | 6.0  |       |       |
| 51      | 34.4 | 22.0  | 33.0 |       |       |
| 120     | 21.2 | 17.5  | 26.3 |       |       |





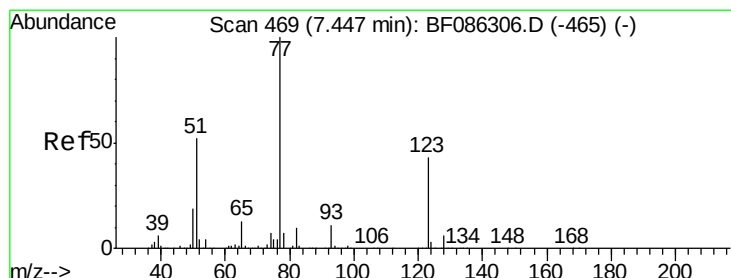
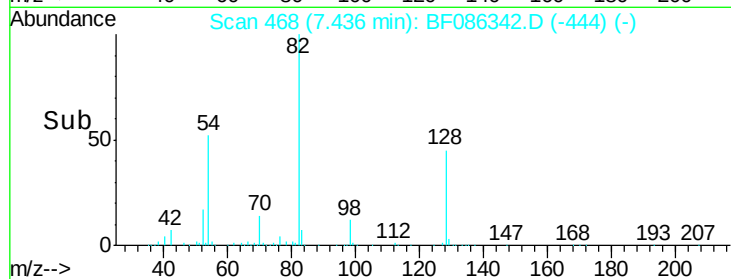
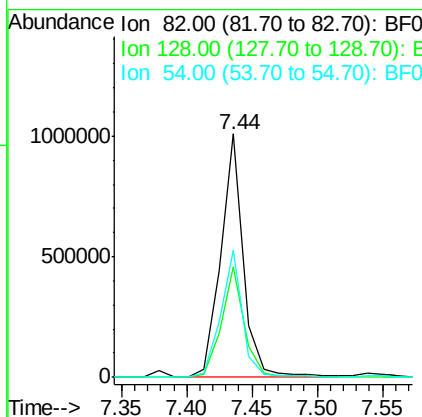
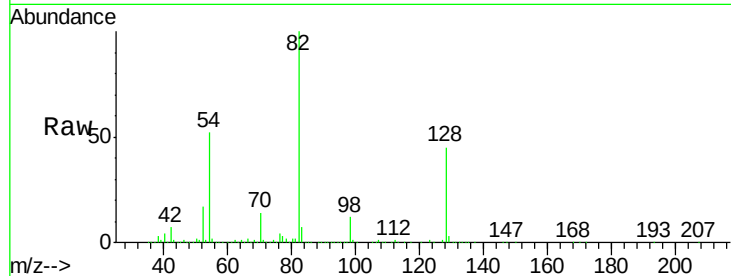
#23  
 Nitrobenzene-d5  
 Concen: 89.11 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion   | 82   | Resp  | 1228203 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 128       | 45.3 | 35.4  | 53.2    |
| 54        | 52.1 | 43.4  | 65.0    |

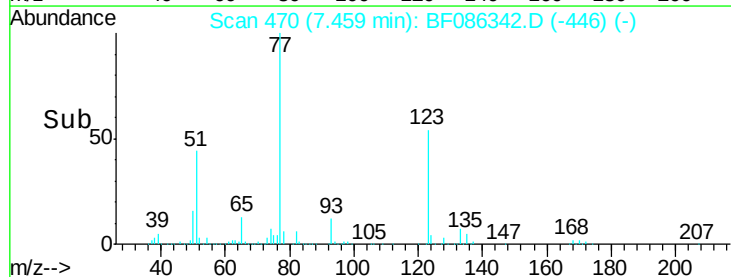
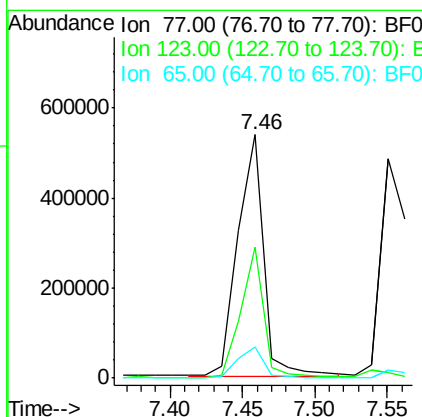
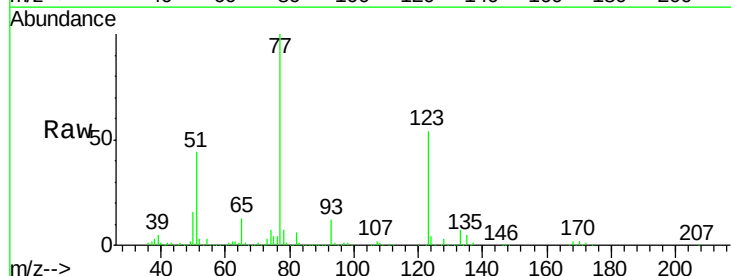
Manual Integrations  
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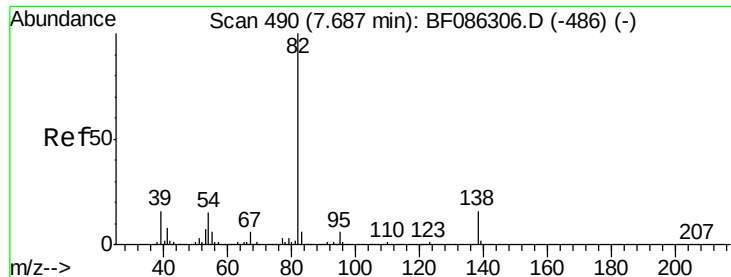


#24  
 Nitrobenzene  
 Concen: 44.98 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion   | 77   | Resp  | 663188 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 53.6 | 38.3  | 57.5   |
| 65        | 12.7 | 11.3  | 16.9   |







#25

Isophorone

Concen: 47.67 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

ClientSampleId :

B-931WB(N)(19)MS

Tot Ion: 82 Resp: 1244902

Ion Ratio Lower Upper

82 100

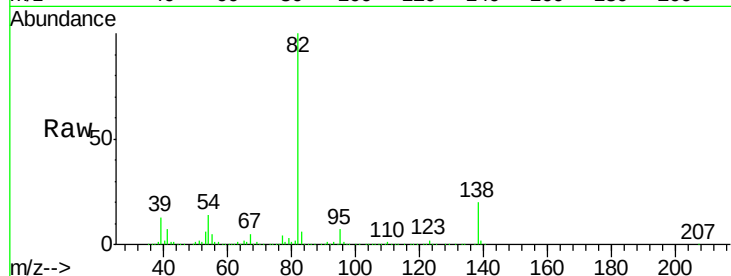
95 6.8 5.4 8.2

138 20.0 13.4 20.2

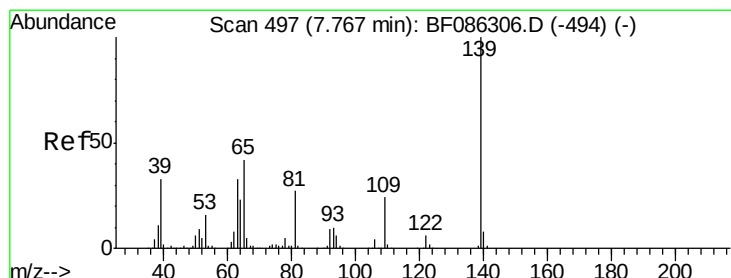
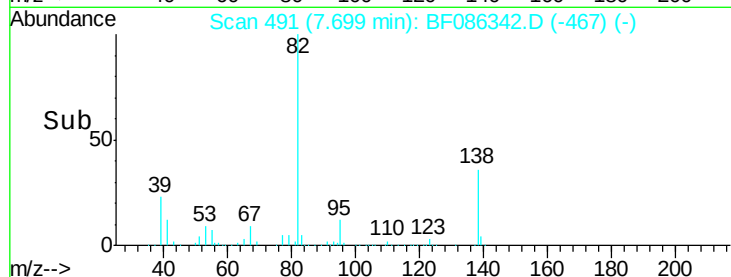
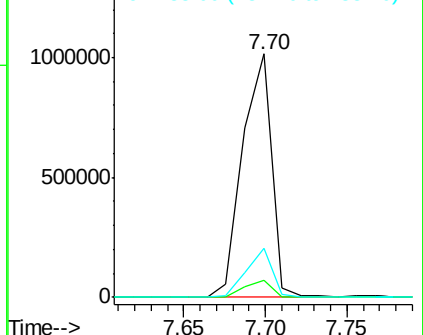
Manual Integrations  
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Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 32.64 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

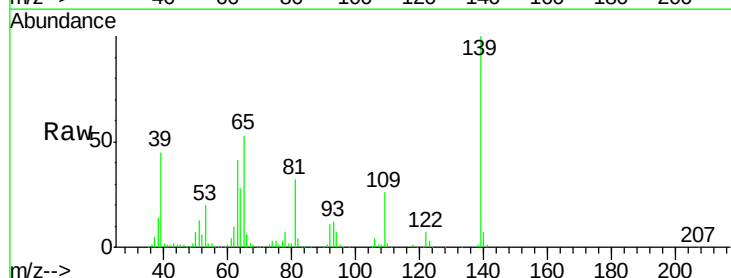
Tgt Ion: 139 Resp: 215253

Ion Ratio Lower Upper

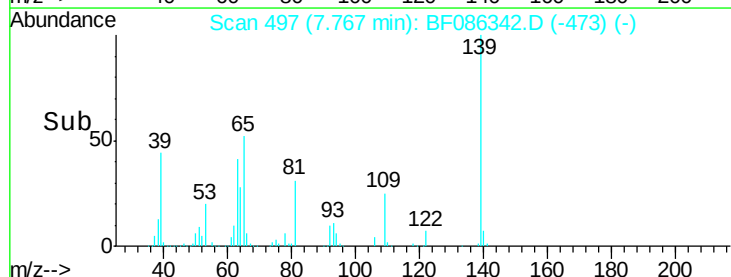
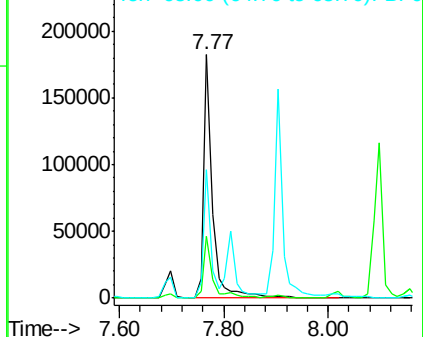
139 100

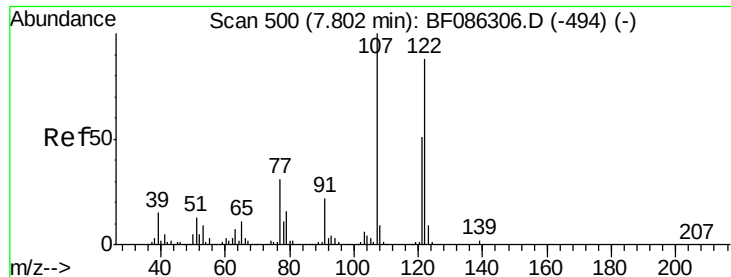
109 25.5 25.8 38.8#

65 52.8 50.2 75.2



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0





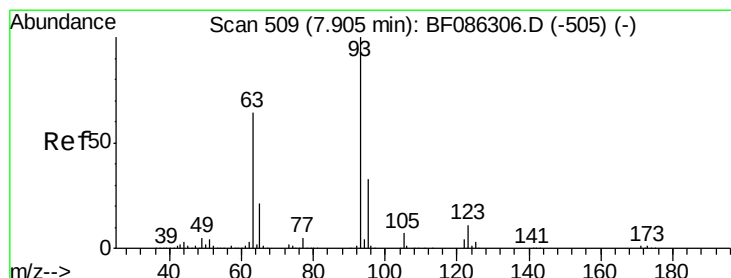
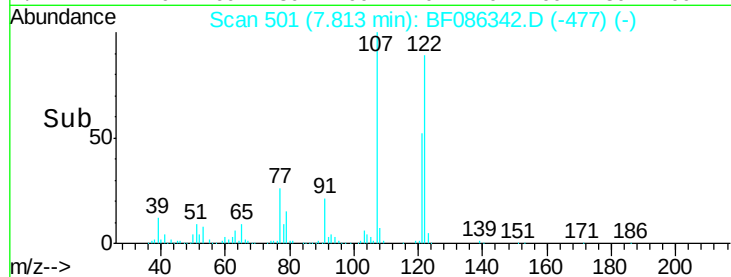
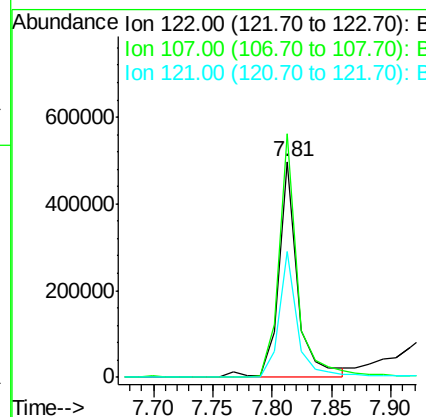
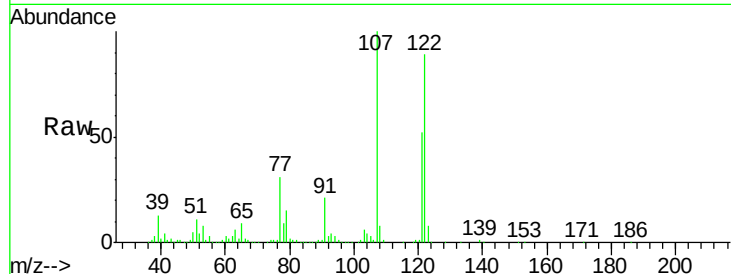
#27  
 2,4-Dimethylphenol  
 Concen: 43.00 ng  
 RT: 7.81 min Scan# 501  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 556156 |       |       |
| 107     | 112.9 | 85.8   | 128.6 |       |
| 121     | 58.6  | 47.1   | 70.7  |       |

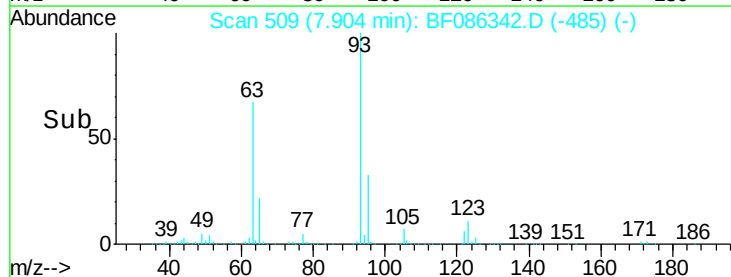
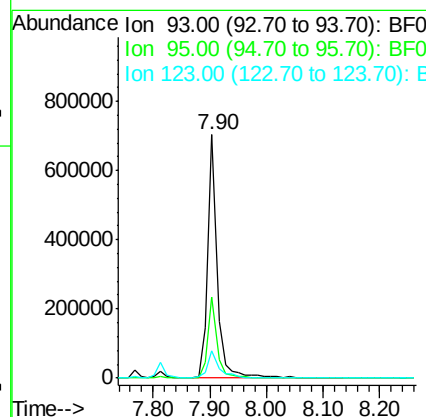
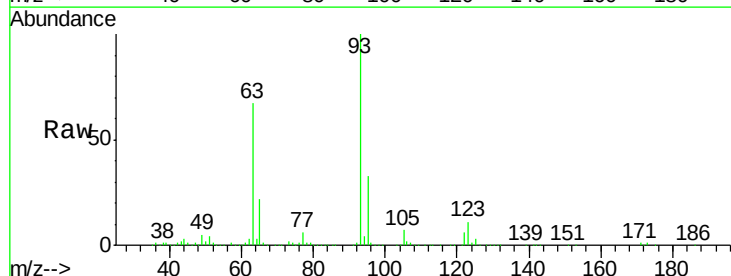
Manual Integrations  
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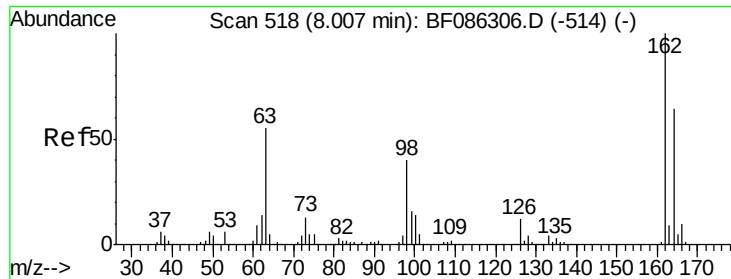
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 50.67 ng  
 RT: 7.90 min Scan# 509  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 773762 |       |       |
| 95      | 33.2  | 25.8   | 38.8  |       |
| 123     | 11.2  | 8.9    | 13.3  |       |





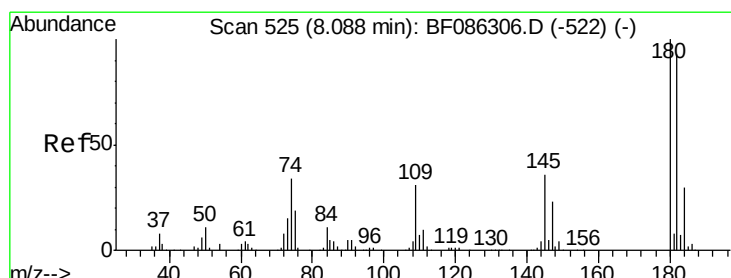
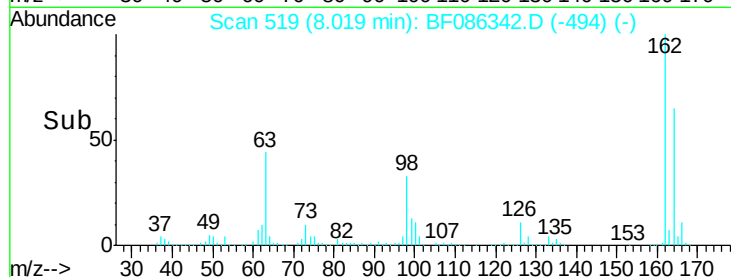
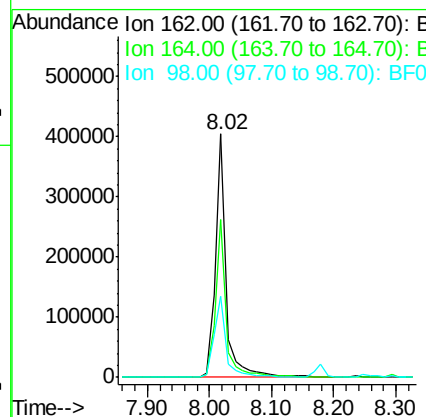
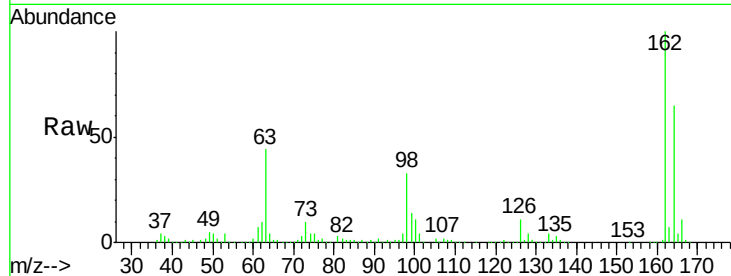
#29  
2,4-Dichlorophenol  
Concen: 47.72 ng  
RT: 8.02 min Scan# 519  
Delta R.T. -0.01 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.8  | 43.3       | 83.3  |
| 98      | 33.4  | 22.9       | 62.9  |

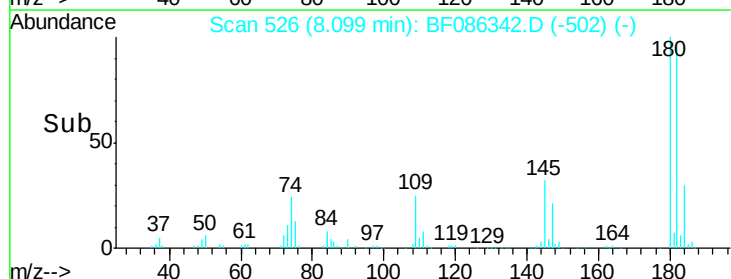
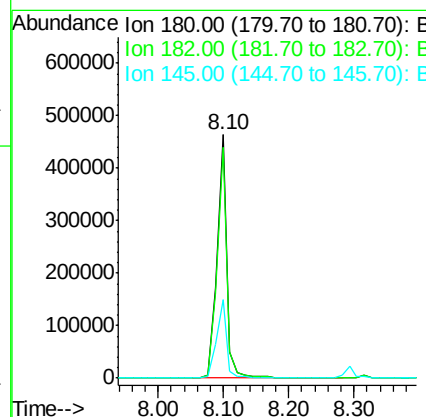
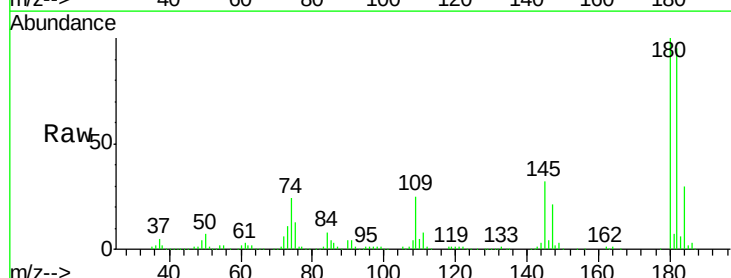
Manual Integrations  
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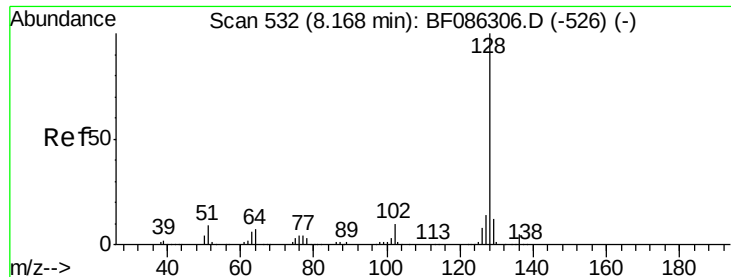
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#30  
1,2,4-Trichlorobenzene  
Concen: 45.32 ng  
RT: 8.10 min Scan# 526  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.0  | 76.3       | 114.5 |
| 145     | 32.5  | 27.4       | 41.2  |





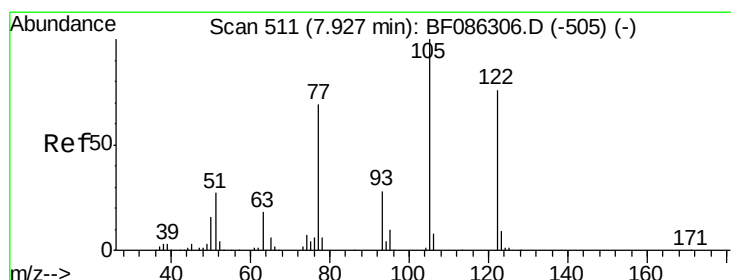
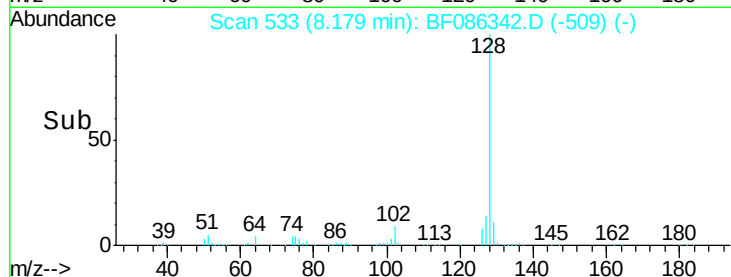
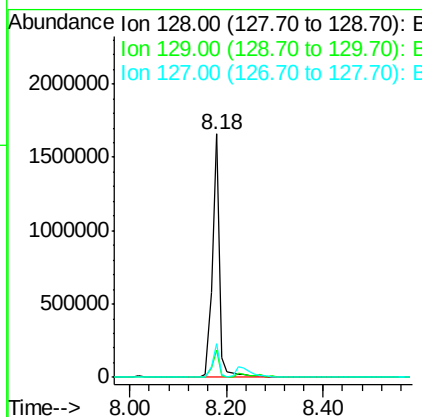
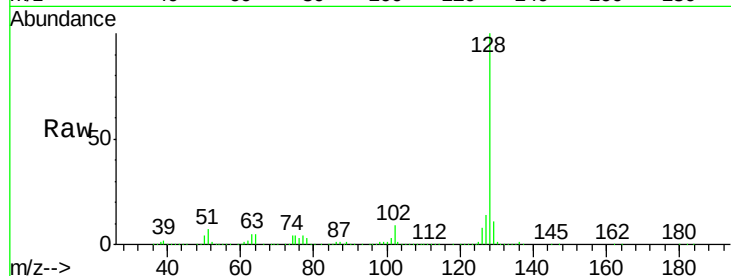
#31  
Naphthalene  
Concen: 46.83 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

Tot Ion:128 Resp: 1762011  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.6 14.4  
127 13.6 11.4 17.2

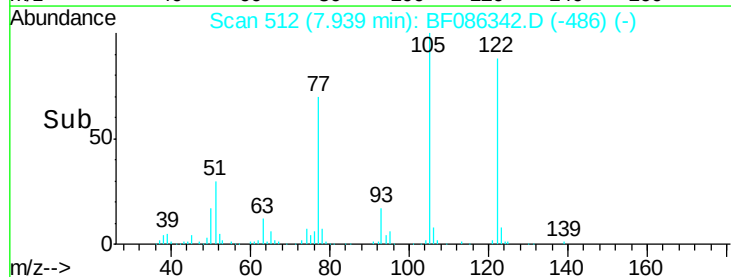
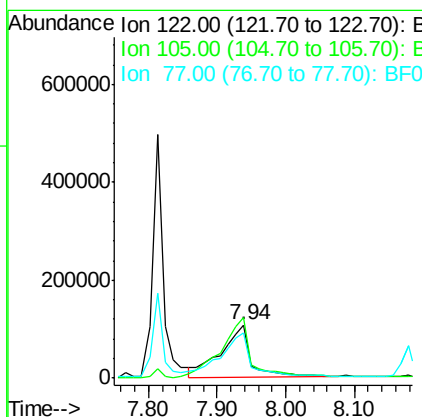
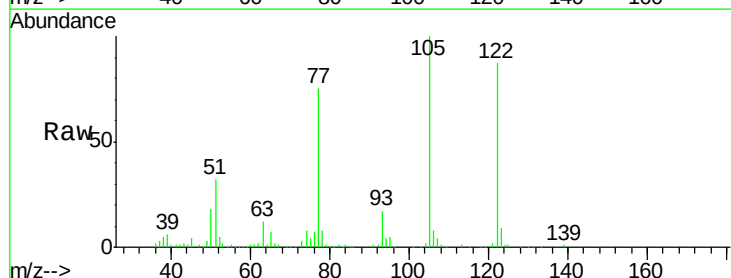
Manual Integrations  
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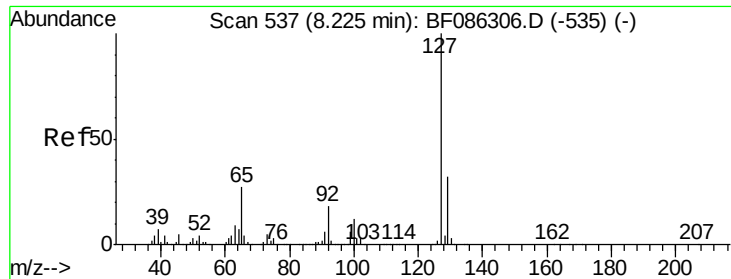
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#32  
Benzoic acid  
Concen: 42.39 ng  
RT: 7.94 min Scan# 512  
Delta R.T. -0.00 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Tgt Ion:122 Resp: 325834  
Ion Ratio Lower Upper  
122 100  
105 114.5 103.7 143.7  
77 85.3 74.9 114.9





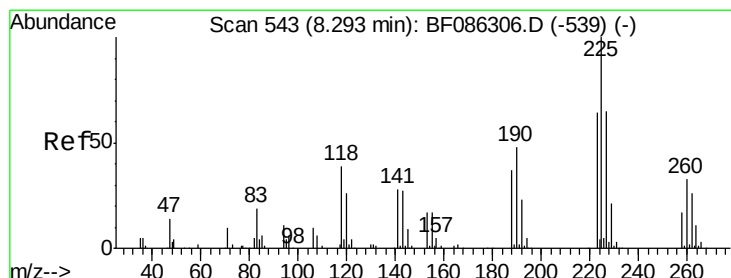
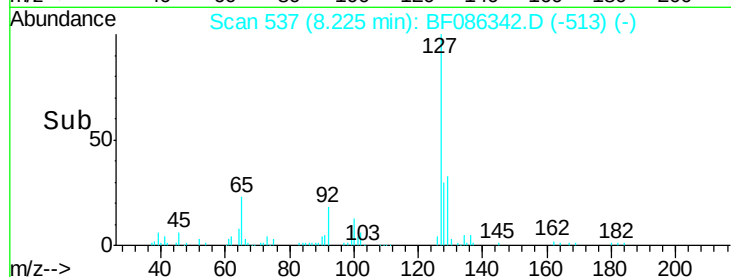
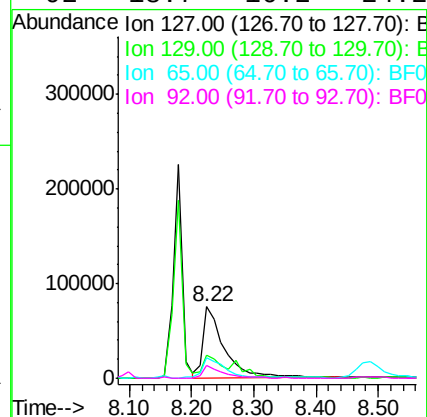
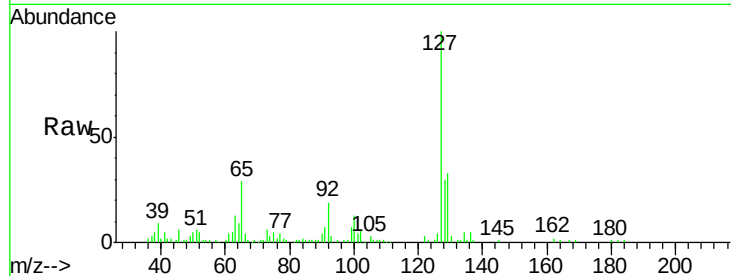
#33  
4-Chloroaniline  
Concen: 11.59 ng  
RT: 8.22 min Scan# 537  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 33.1 | 26.8  | 40.2 |       |       |
| 65      | 28.8 | 27.1  | 40.7 |       |       |
| 92      | 18.7 | 16.2  | 24.2 |       |       |

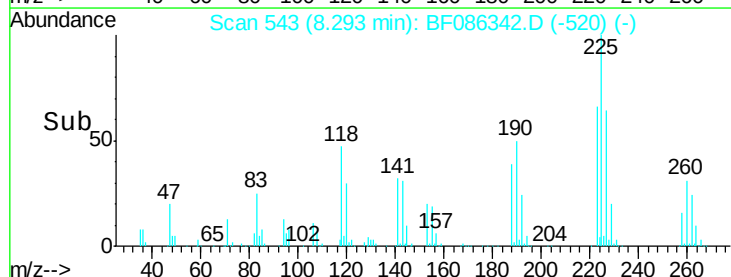
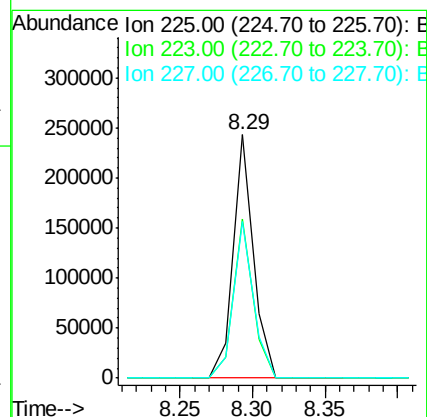
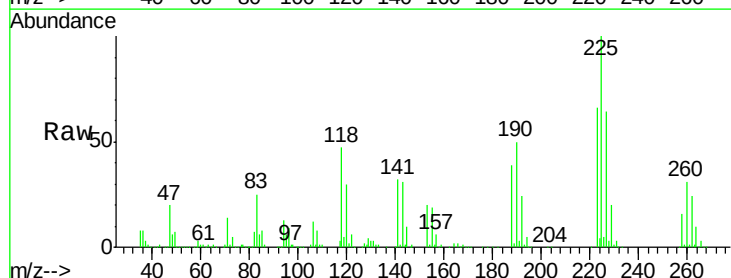
Manual Integrations  
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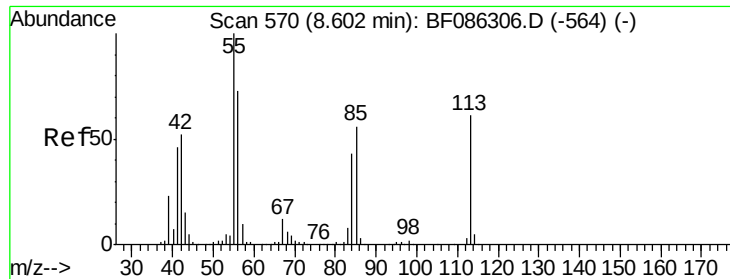
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#34  
Hexachlorobutadiene  
Concen: 42.57 ng  
RT: 8.29 min Scan# 543  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 65.6 | 49.4  | 74.0 |       |       |
| 227     | 64.3 | 51.1  | 76.7 |       |       |





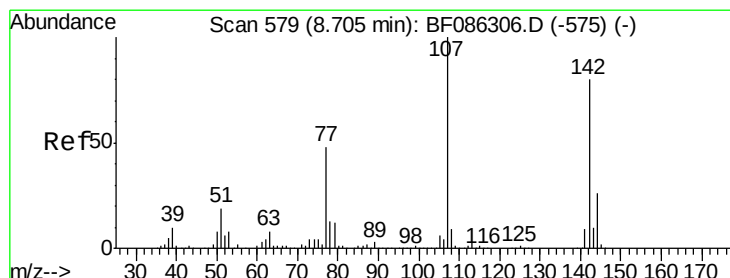
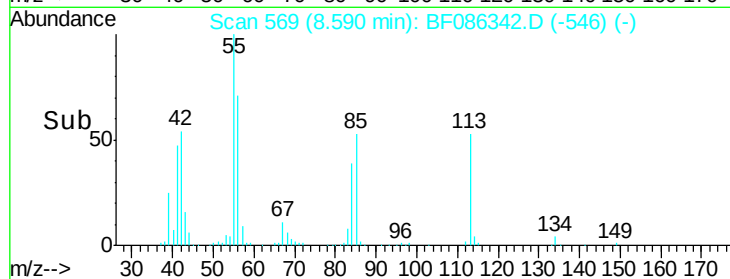
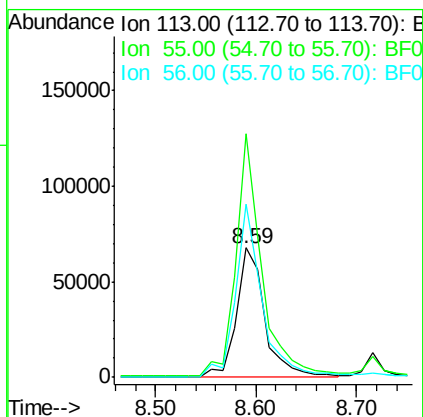
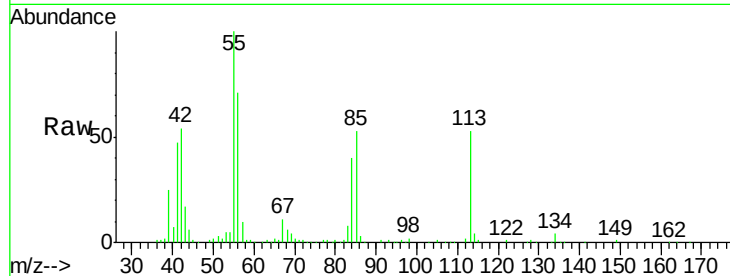
#35  
 Caprolactam  
 Concen: 40.44 ng  
 RT: 8.59 min Scan# 569  
 Delta R.T. -0.03 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 188.6 | 117.5 | 157.5# |
| 56      | 134.1 | 82.5  | 122.5# |

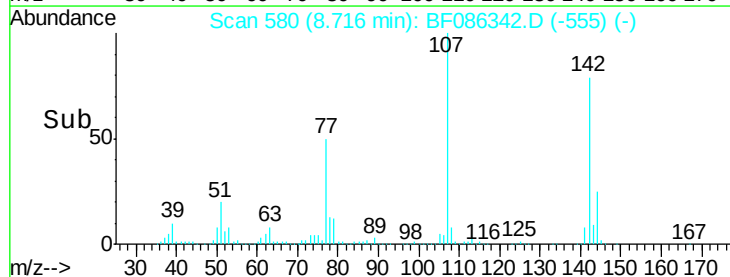
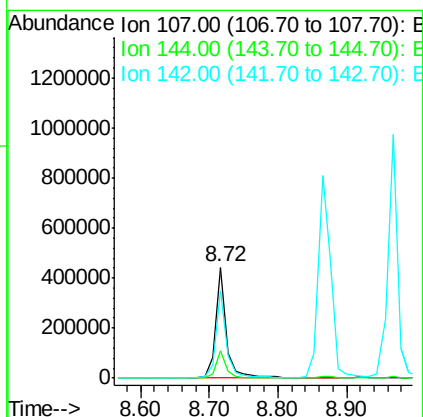
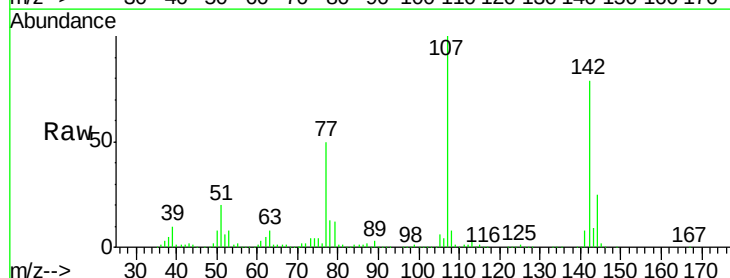
Manual Integrations  
 APPROVED

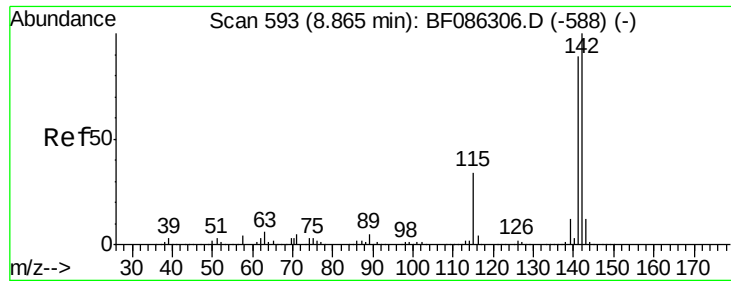
sohil  
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#36  
 4-Chloro-3-methylphenol  
 Concen: 43.32 ng  
 RT: 8.72 min Scan# 580  
 Delta R.T. -0.01 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.0  | 20.7  | 31.1  |
| 142     | 78.7  | 64.5  | 96.7  |





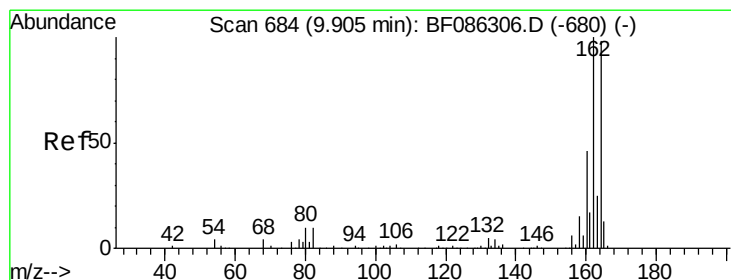
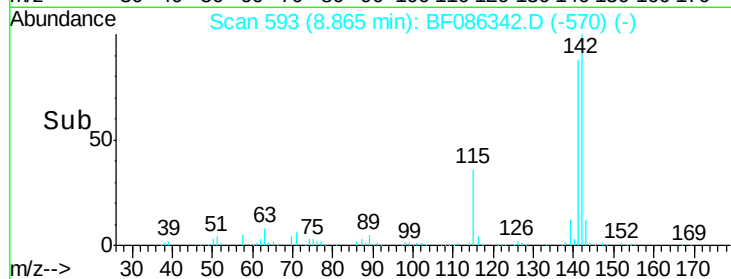
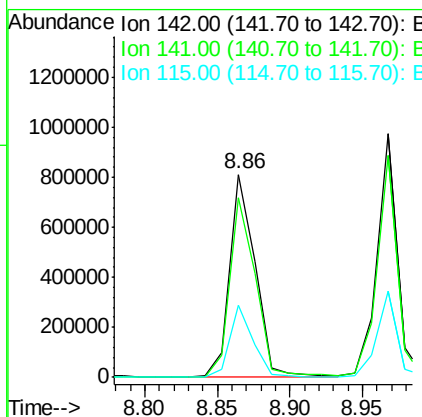
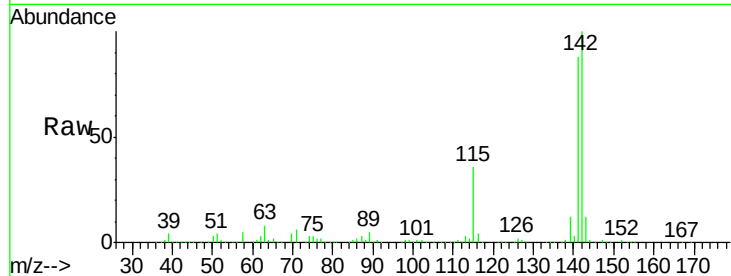
#37  
2-Methylnaphthalene  
Concen: 42.88 ng  
RT: 8.86 min Scan# 593  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 71.1  | 106.7 |
| 115     | 35.6  | 25.1  | 37.7  |

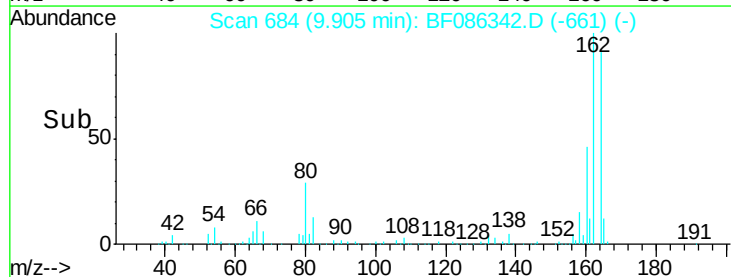
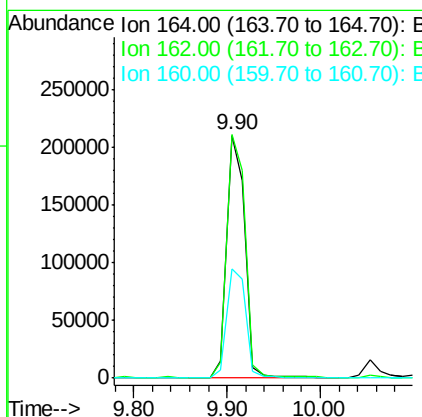
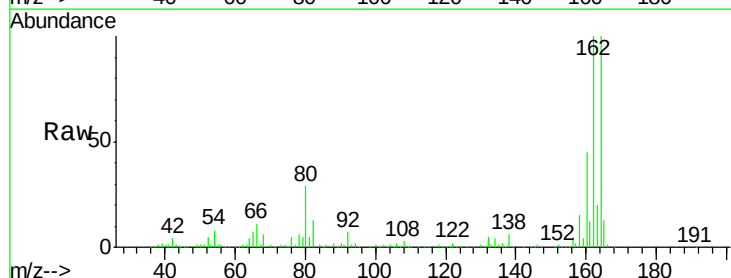
Manual Integrations  
APPROVED

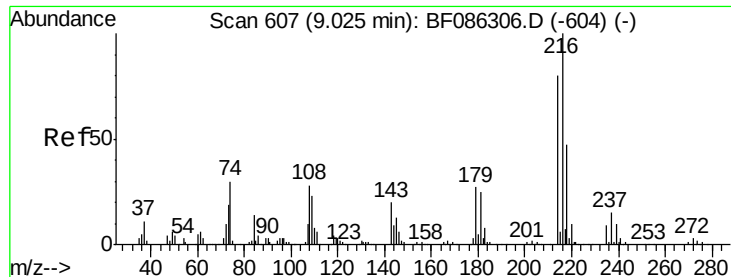
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.5 | 82.8  | 124.2 |
| 160     | 45.3  | 38.9  | 58.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 53.70 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

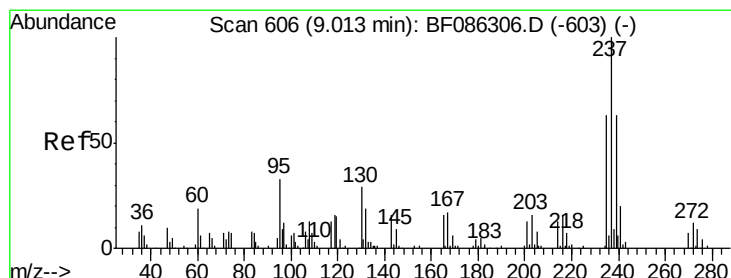
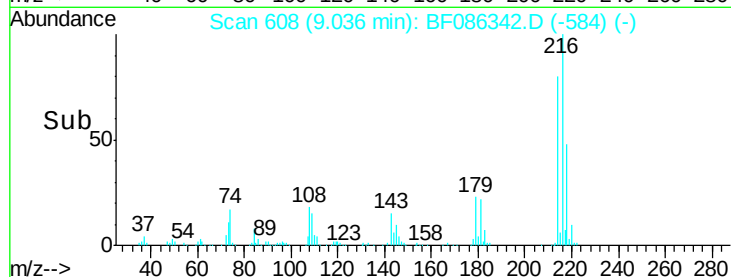
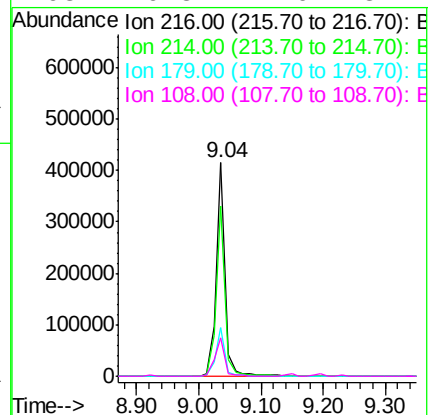
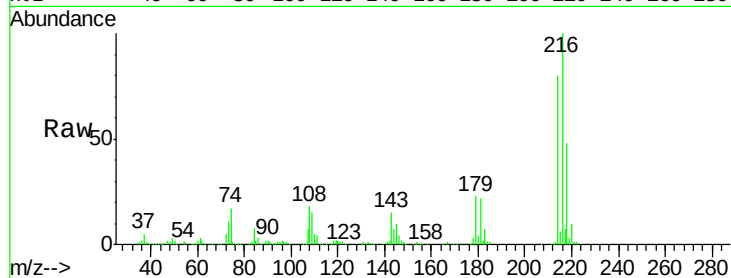
ClientSampleId :

B-931WB(N)(19)MS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 408085  | 216 | 100   |      |       |       |
|         | 214 | 79.9  | 64.9 | 97.3  |       |
|         | 179 | 23.5  | 19.8 | 29.6  |       |
|         | 108 | 20.3  | 21.0 | 31.4  |       |

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#40

Hexachlorocyclopentadiene

Concen: 14.27 ng

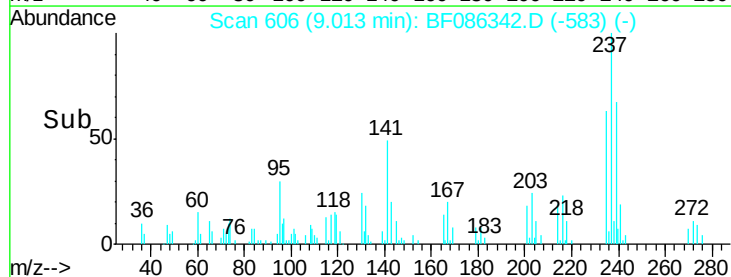
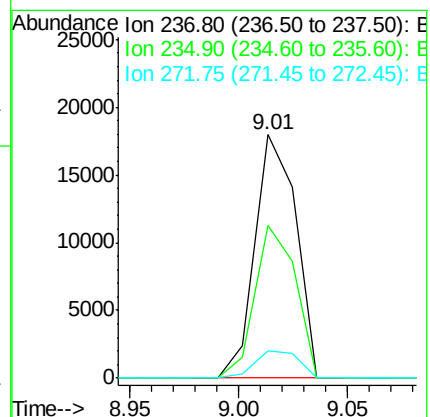
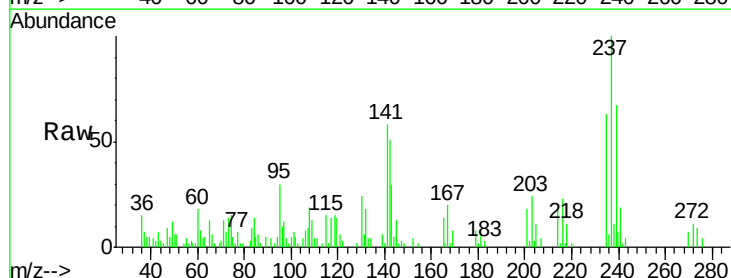
RT: 9.01 min Scan# 606

Delta R.T. -0.03 min

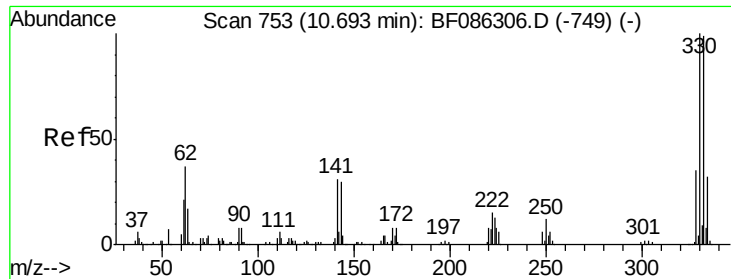
Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 23614   | 237 | 100   |      |       |       |
|         | 235 | 62.6  | 44.0 | 84.0  |       |
|         | 272 | 11.4  | 0.0  | 32.4  |       |







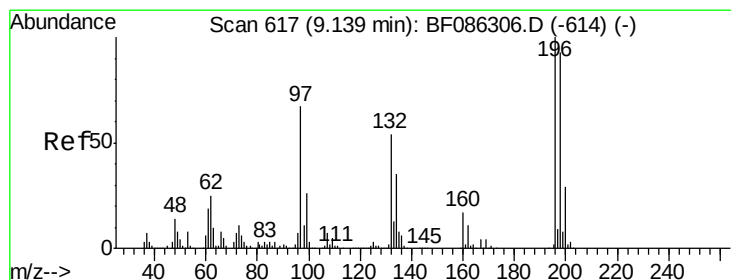
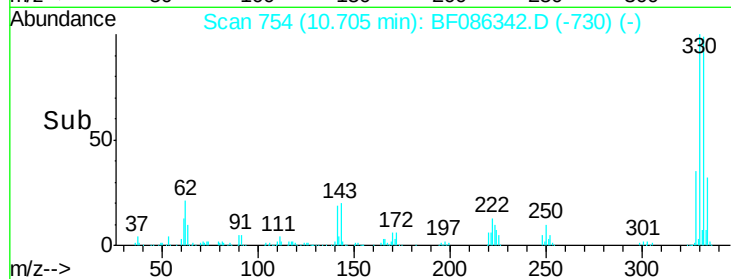
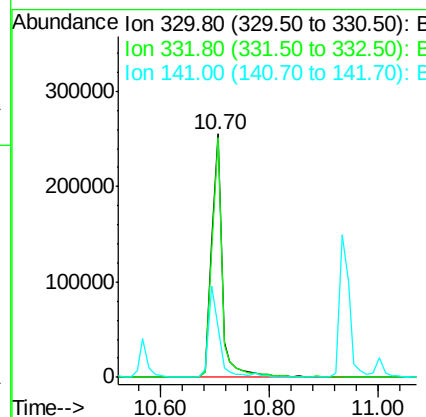
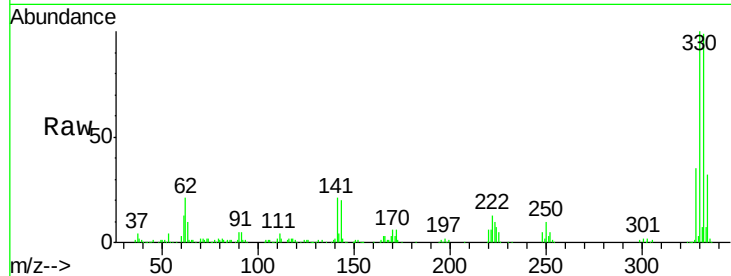
#41  
 2,4,6-Tribromophenol  
 Concen: 154.47 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 343705 |       |       |
| 332     | 95.7  | 78.7   | 118.1 |       |
| 141     | 36.7  | 28.6   | 42.8  |       |

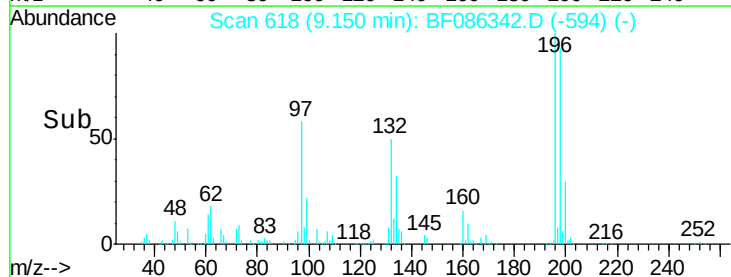
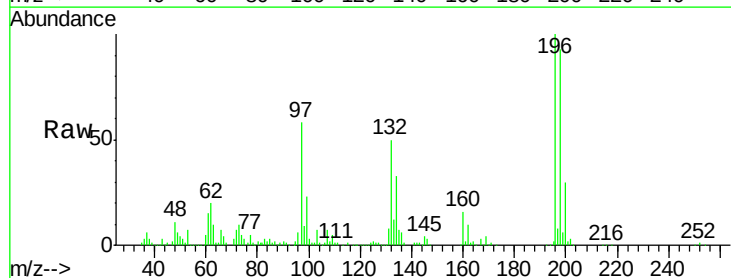
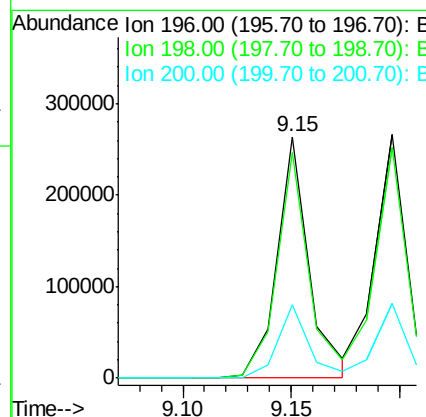
Manual Integrations  
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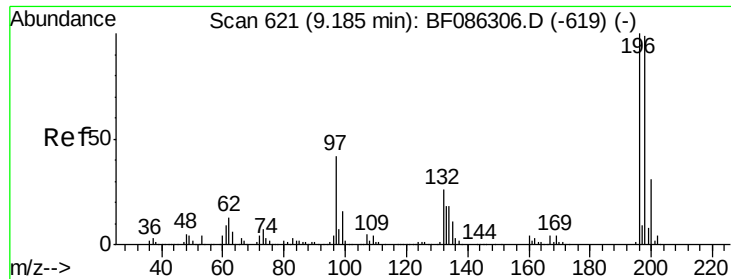
sohil  
 4/21/2016 7:12:13 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 51.94 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 273809 |       |       |
| 198     | 93.3  | 76.6   | 115.0 |       |
| 200     | 30.4  | 25.3   | 37.9  |       |





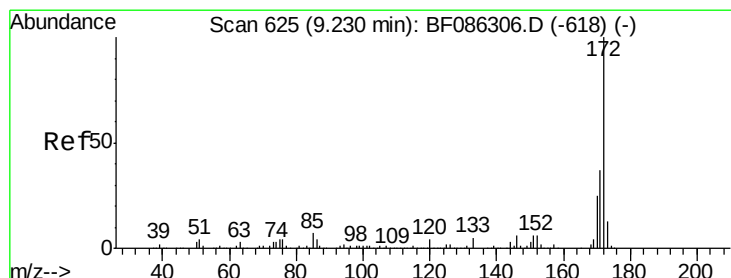
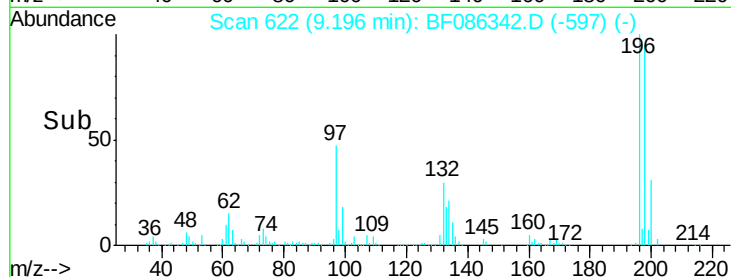
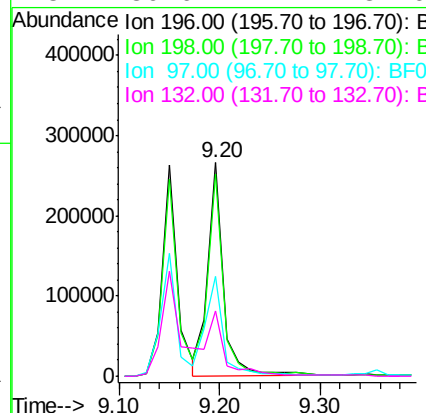
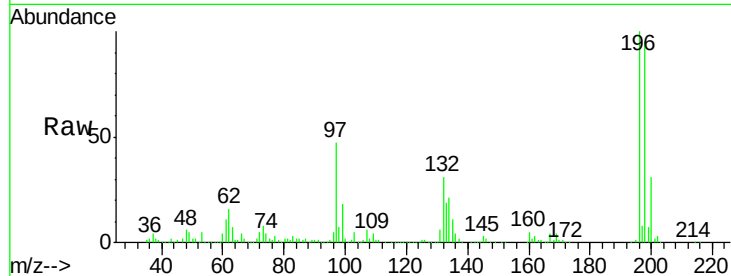
#43  
 2,4,5-Trichlorophenol  
 Concen: 50.35 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. -0.01 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

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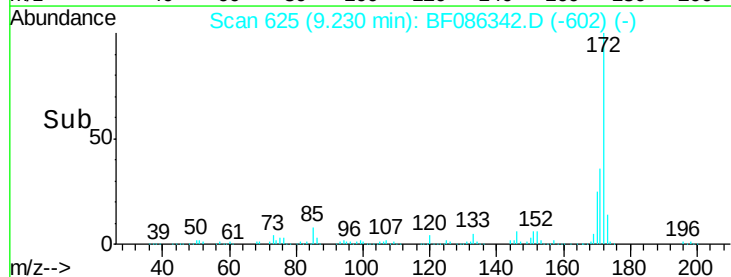
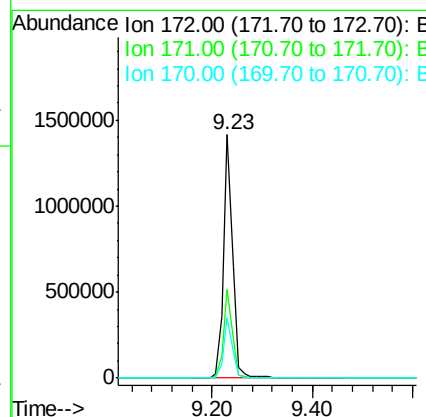
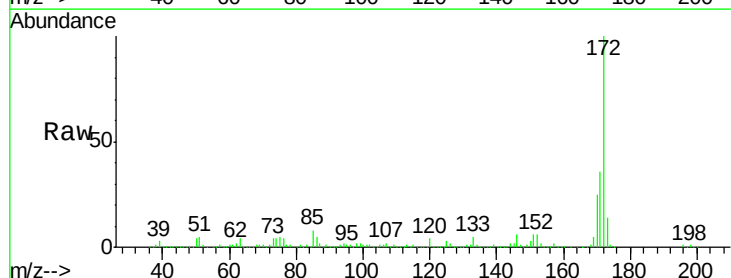
sohil  
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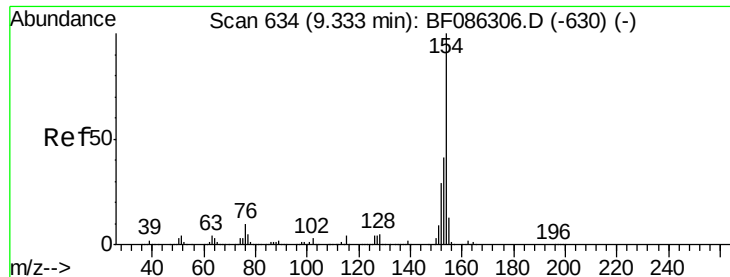
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 289081 |       |       |
| 198     | 94.8  | 77.7   | 116.5 |       |
| 97      | 47.1  | 32.6   | 48.8  |       |
| 132     | 30.6  | 21.4   | 32.0  |       |



#44  
 2-Fluorobiphenyl  
 Concen: 134.88 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1781227 |       |       |
| 171     | 36.5  | 29.1    | 43.7  |       |
| 170     | 24.9  | 19.9    | 29.9  |       |





#45

1,1'-Biphenyl

Concen: 52.15 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

ClientSampleId :

B-931WB(N)(19)MS

Tot Ion:154 Resp: 1169207

Ion Ratio Lower Upper

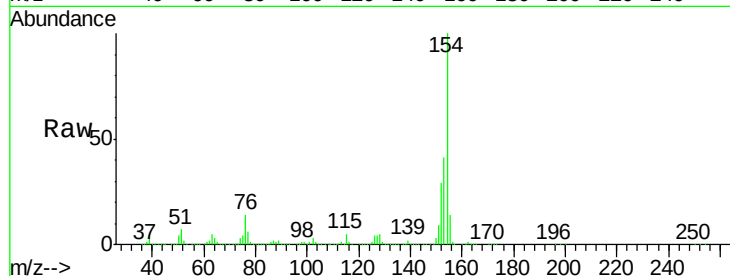
154 100

153 40.8 21.3 61.3

76 13.5 0.0 36.4

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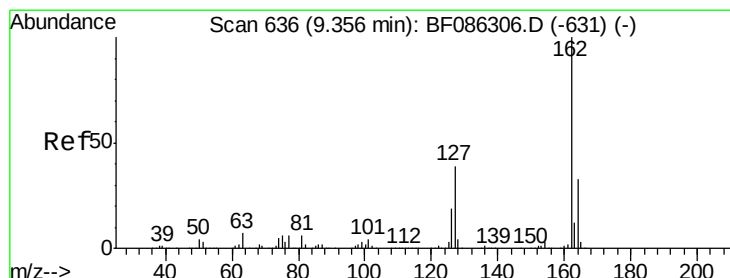
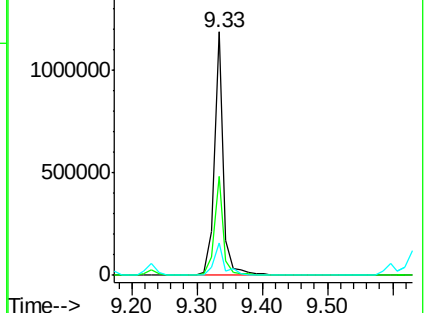
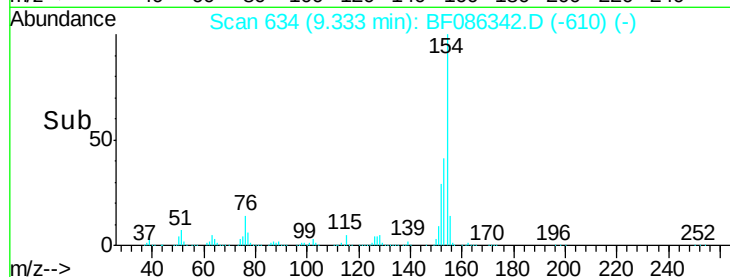
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 51.35 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

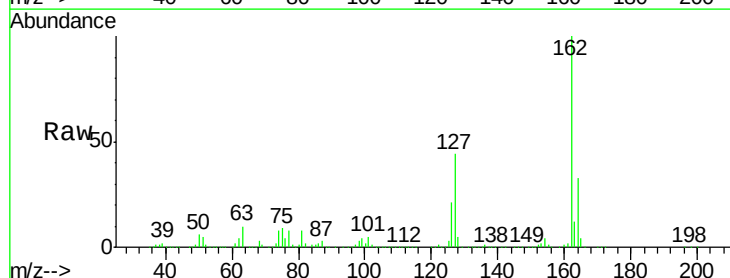
Tgt Ion:162 Resp: 872365

Ion Ratio Lower Upper

162 100

127 43.9 36.7 55.1

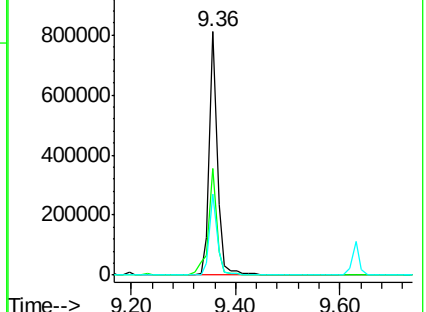
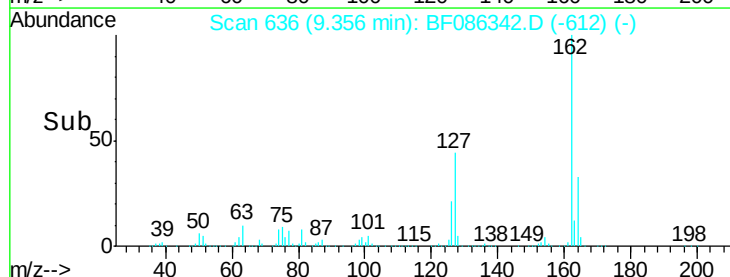
164 33.3 26.4 39.6

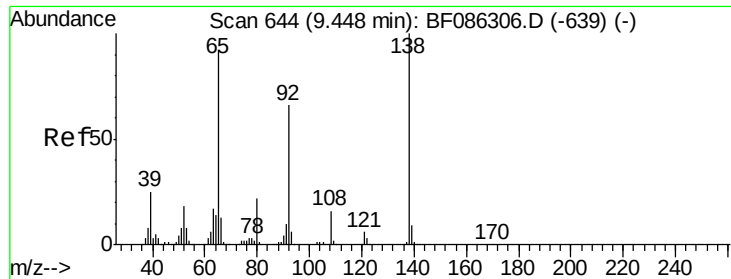


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





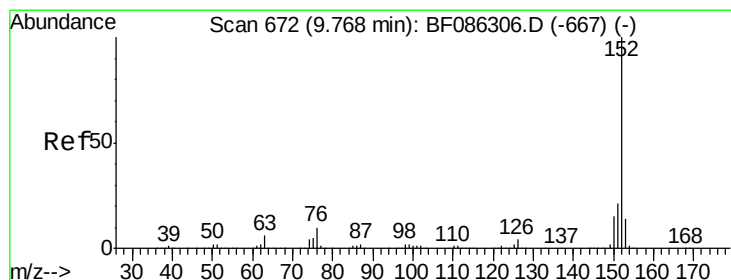
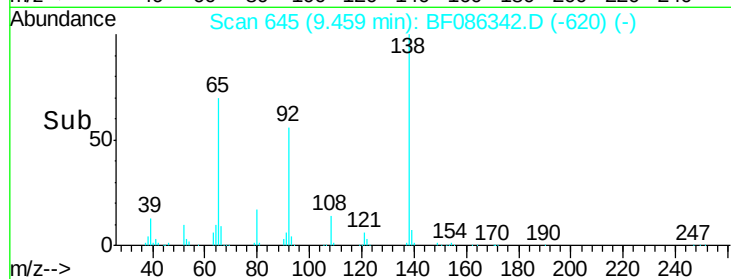
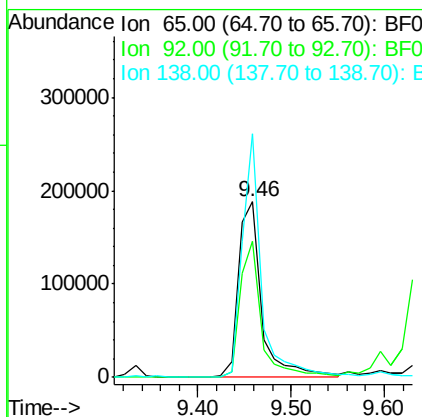
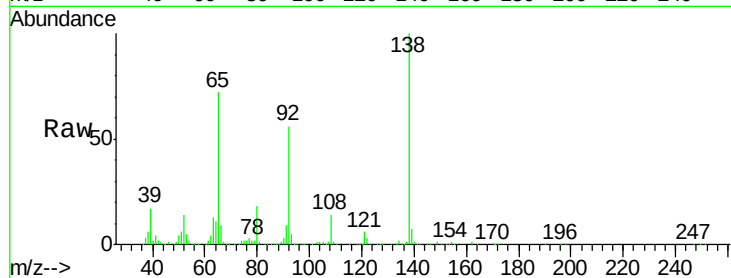
#47  
2-Nitroaniline  
Concen: 56.24 ng  
RT: 9.46 min Scan# 645  
Delta R.T. -0.01 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 77.6  | 51.9  | 77.9  |
| 138     | 138.8 | 72.6  | 108.8 |

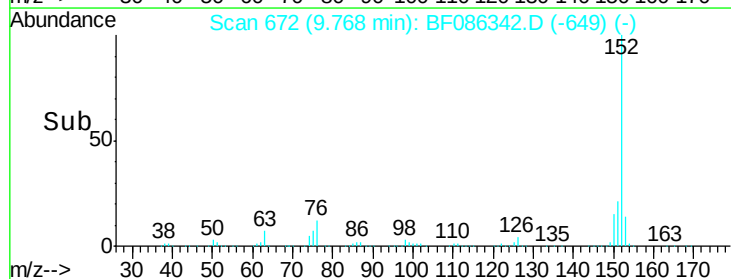
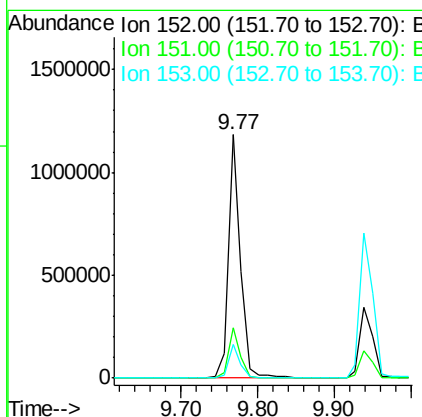
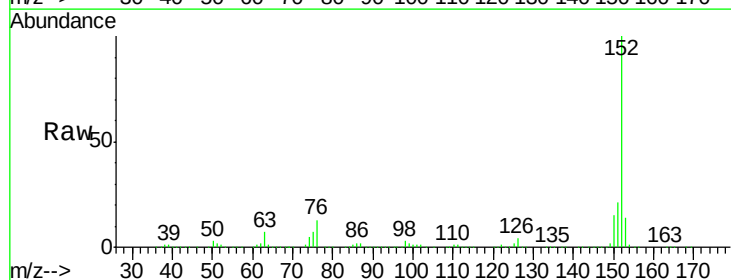
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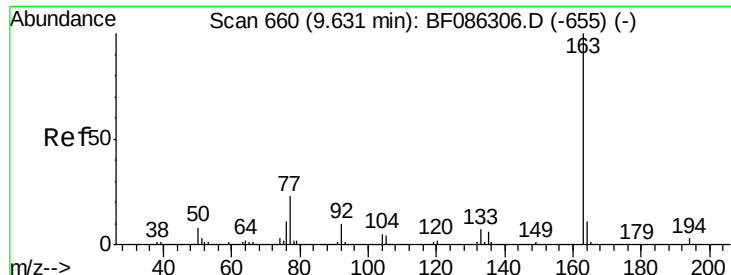
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#48  
Acenaphthylene  
Concen: 49.92 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 17.2  | 25.8  |
| 153     | 13.8  | 10.7  | 16.1  |





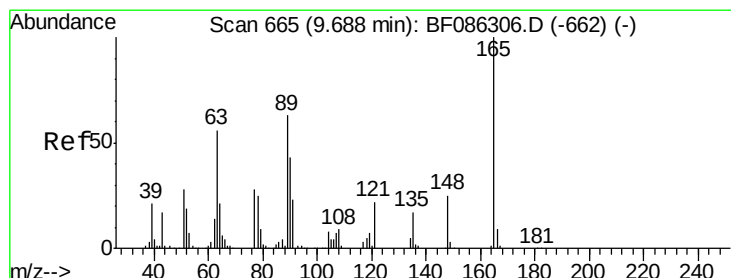
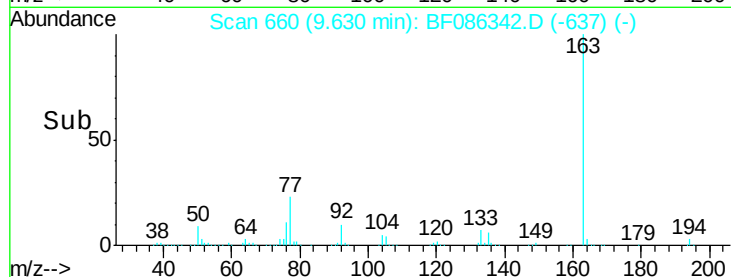
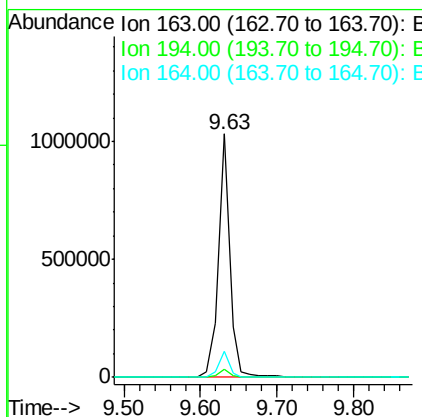
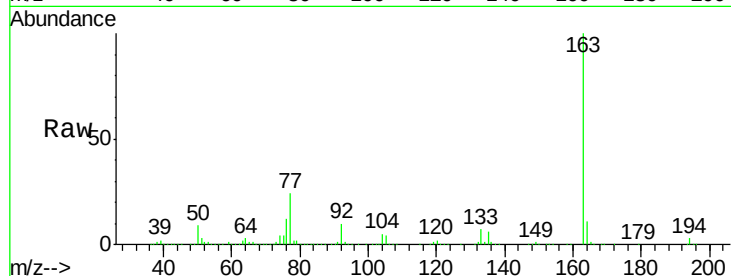
#49  
Dimethylphthalate  
Concen: 49.52 ng  
RT: 9.63 min Scan# 660  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

Tot Ion:163 Resp: 1076264  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.8 4.2  
164 10.8 8.4 12.6

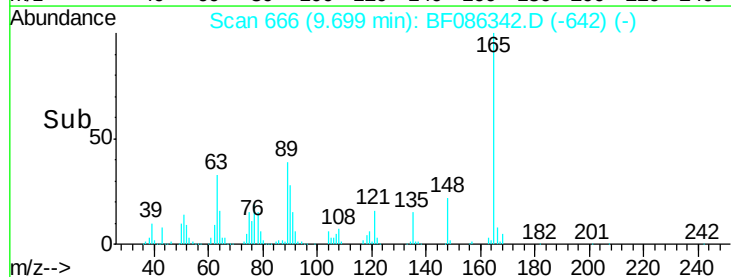
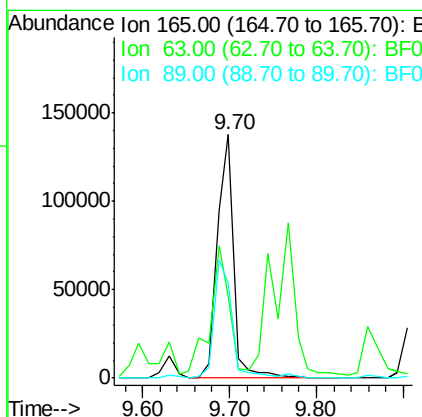
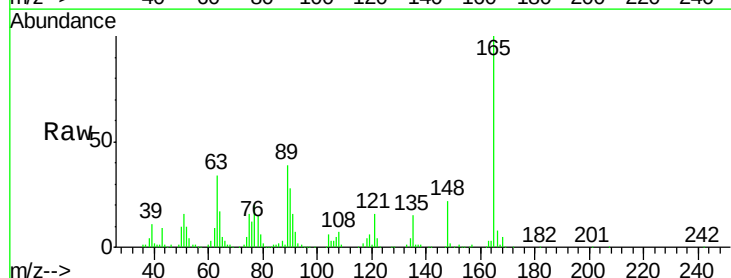
Manual Integrations  
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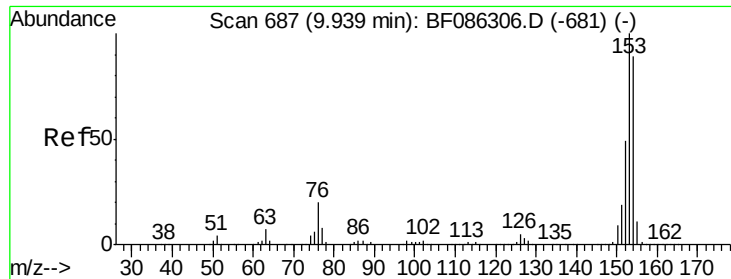
sohil  
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#50  
2,6-Dinitrotoluene  
Concen: 40.63 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Tgt Ion:165 Resp: 181712  
Ion Ratio Lower Upper  
165 100  
63 33.6 35.1 52.7#  
89 39.3 39.8 59.6#





#51

Acenaphthene

Concen: 48.38 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

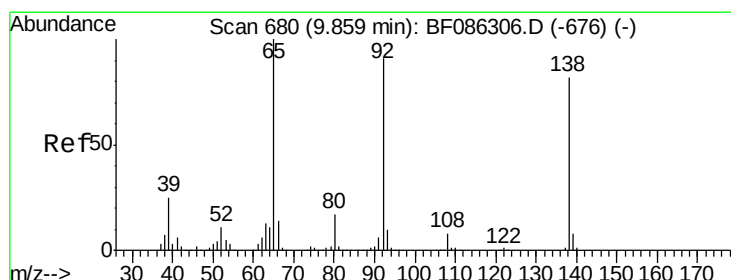
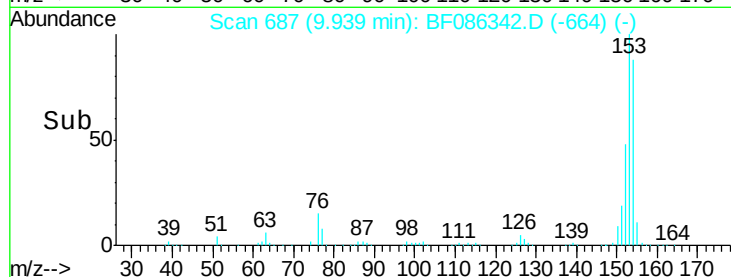
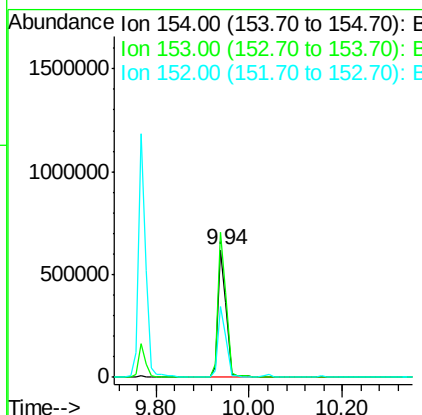
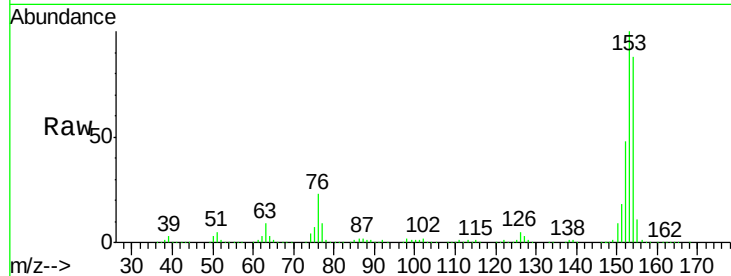
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 753049 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.1 | 90.0  | 135.0  |
| 152       | 55.3  | 44.3  | 66.5   |

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#52

3-Nitroaniline

Concen: 45.03 ng

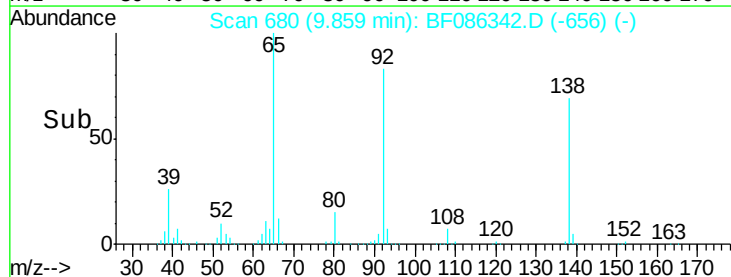
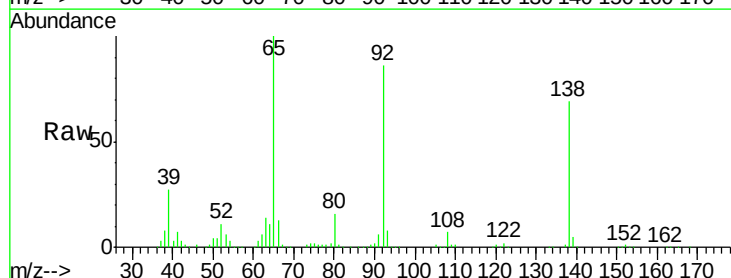
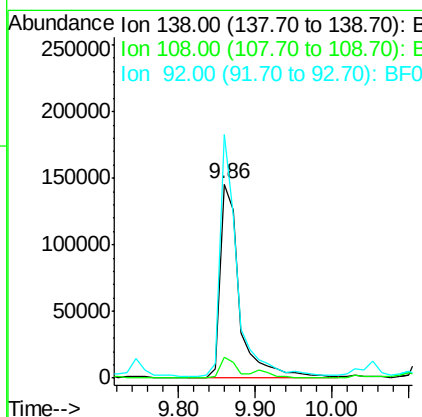
RT: 9.86 min Scan# 680

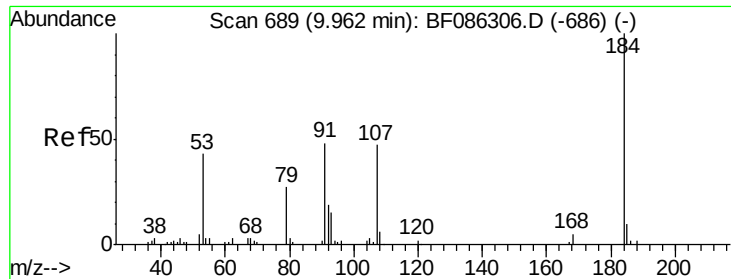
Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 256147 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.9  | 9.0   | 13.4   |
| 92        | 125.7 | 99.3  | 148.9  |





#53

2,4-Dinitrophenol

Concen: 10.46 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

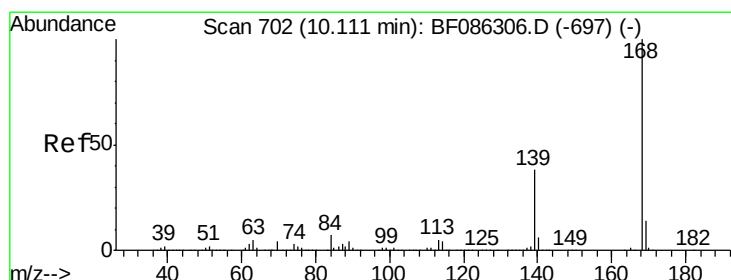
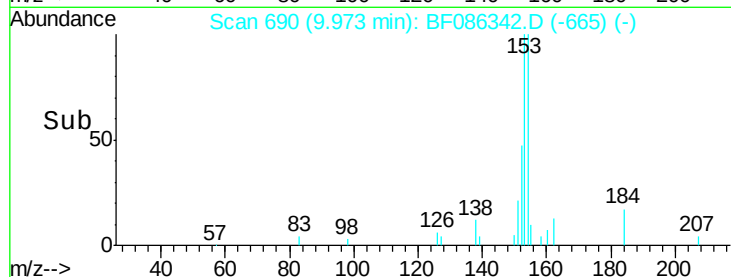
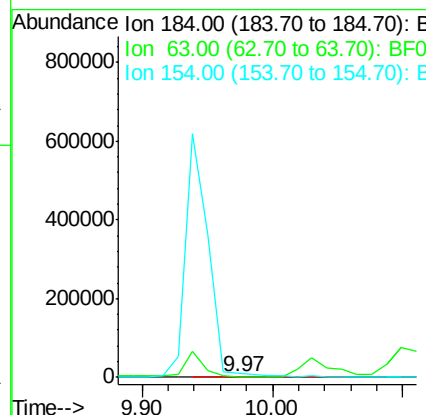
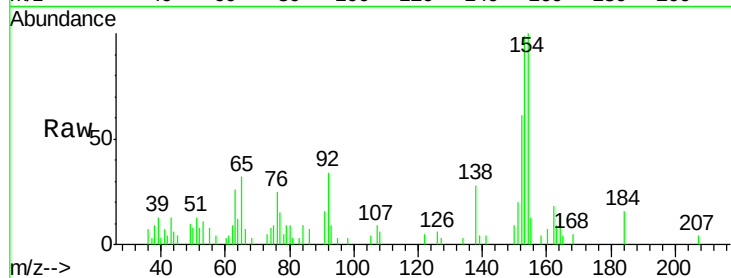
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 3888  |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 161.9 | 64.7  | 97.1# |
| 154       | 622.5 | 59.4  | 89.2# |

Manual Integrations  
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#54

Dibenzofuran

Concen: 53.89 ng

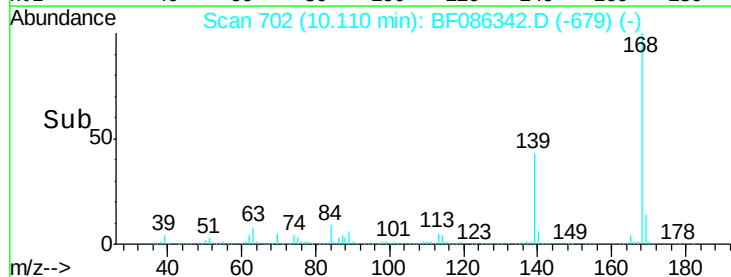
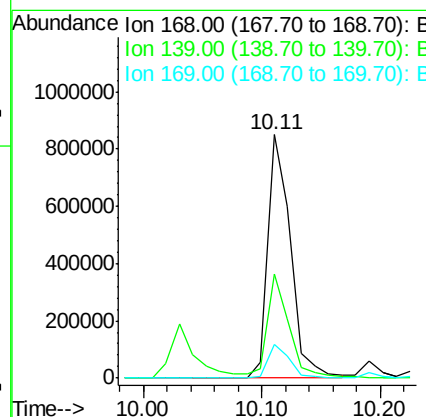
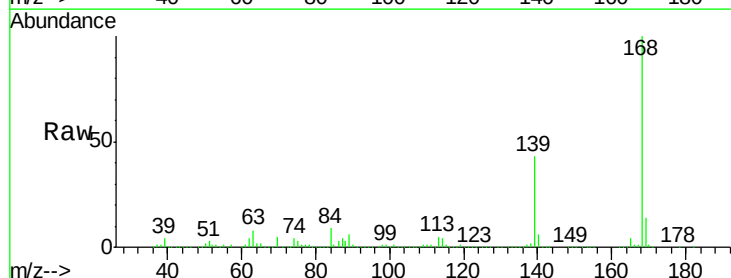
RT: 10.11 min Scan# 702

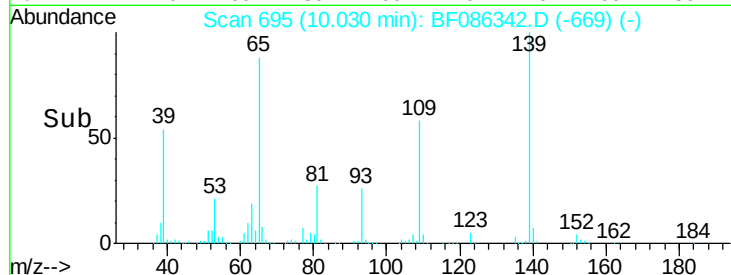
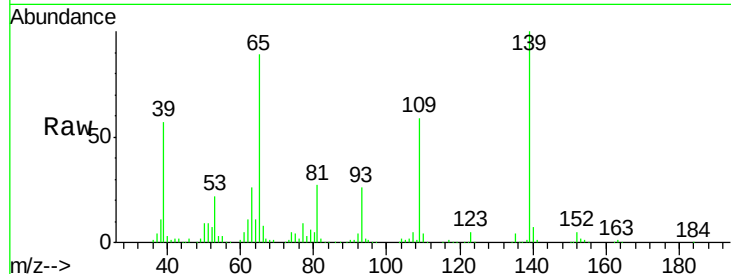
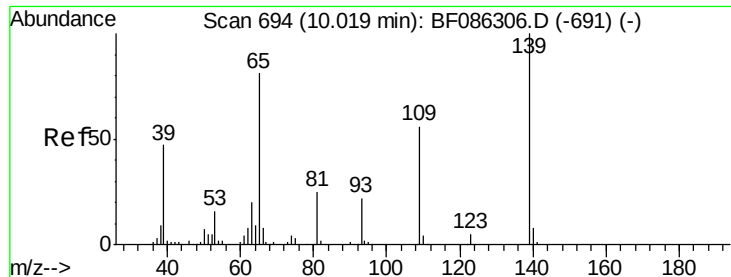
Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 168   | Resp: | 1140386 |
| Ion Ratio | Lower | Upper |         |
| 168       | 100   |       |         |
| 139       | 42.8  | 29.5  | 44.3    |
| 169       | 14.0  | 10.6  | 16.0    |





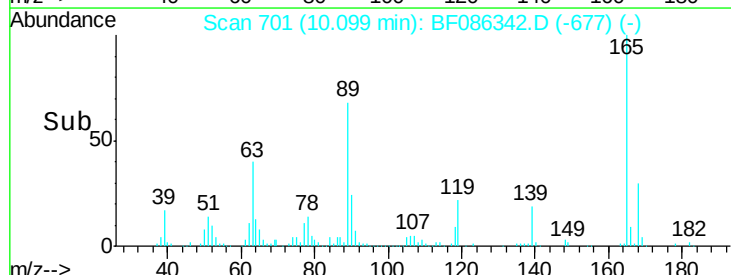
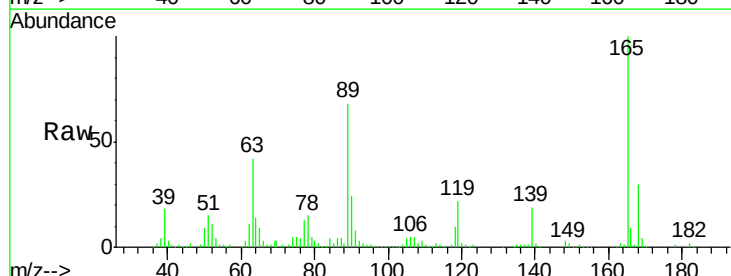
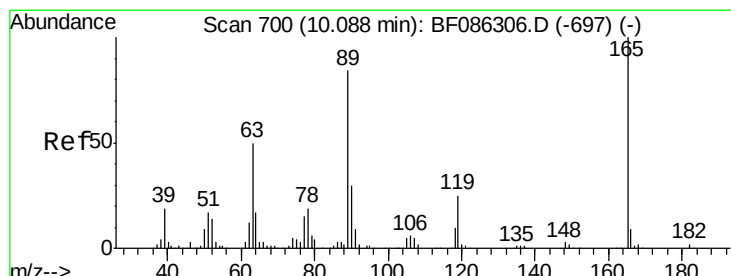
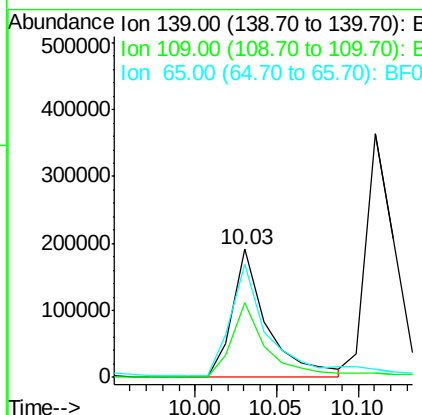
#55  
4-Nitrophenol  
Concen: 80.50 ng  
RT: 10.03 min Scan# 695  
Delta R.T. -0.00 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 139     | 100  |       | 283916 |       |       |
| 109     | 58.6 | 55.0  | 95.0   |       |       |
| 65      | 88.7 | 87.3  | 127.3  |       |       |

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

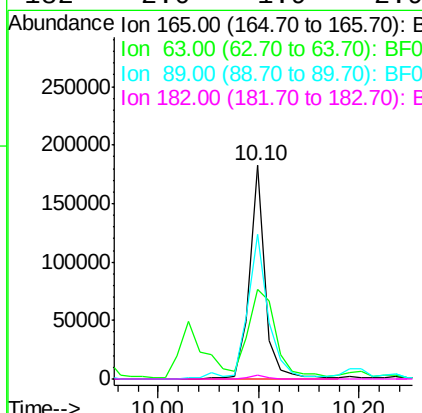
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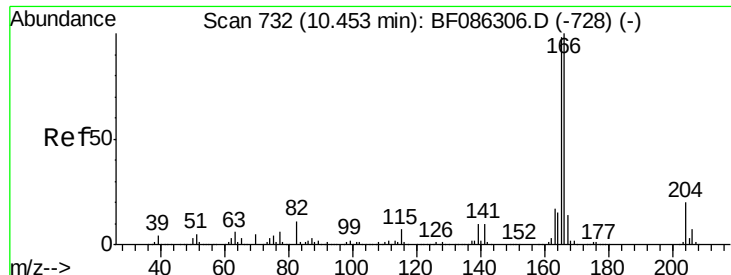


#56  
2,4-Dinitrotoluene  
Concen: 35.76 ng  
RT: 10.10 min Scan# 701  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 198756 |       |       |
| 63      | 41.8 | 26.6  | 40.0#  |       |       |
| 89      | 68.0 | 49.5  | 74.3   |       |       |
| 182     | 2.0  | 1.9   | 2.9    |       |       |







#57

Fluorene

Concen: 48.99 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

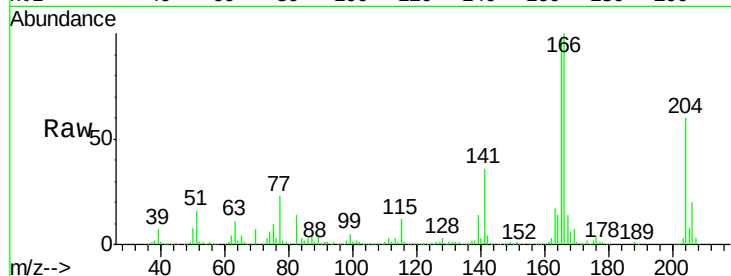
ClientSampleId :

B-931WB(N)(19)MS

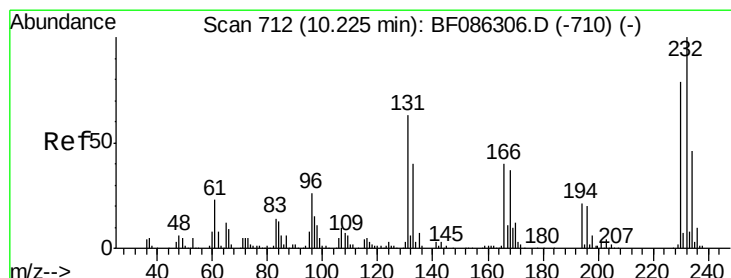
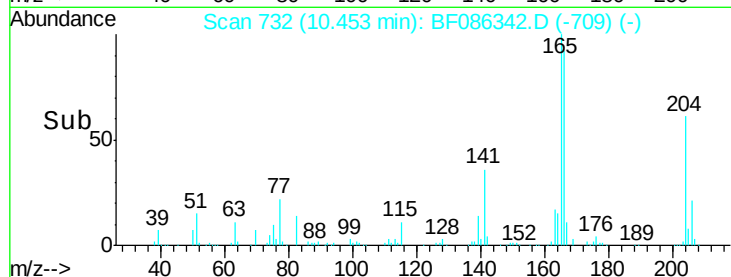
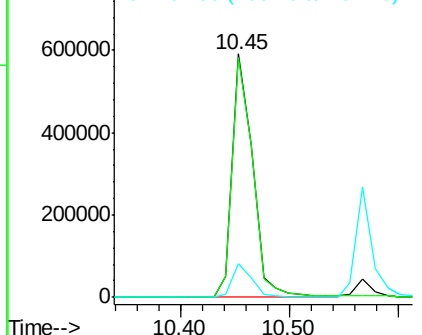
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 166  | Resp: | 768131 |
| Ion Ratio |      | Lower | Upper  |
| 166       | 100  |       |        |
| 165       | 98.5 | 78.6  | 117.8  |
| 167       | 13.9 | 10.4  | 15.6   |

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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: 57.19 ng

RT: 10.24 min Scan# 713

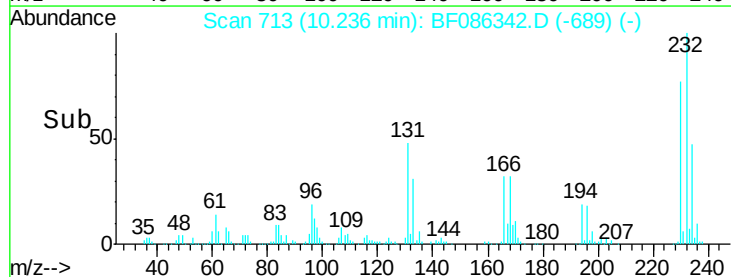
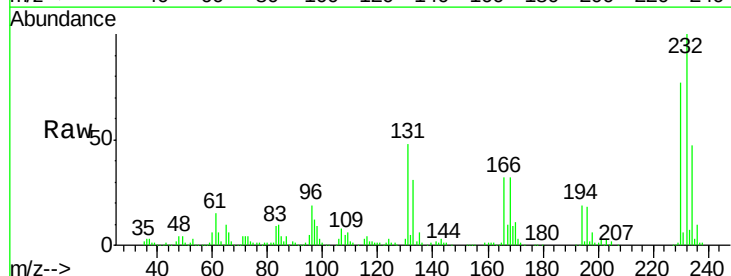
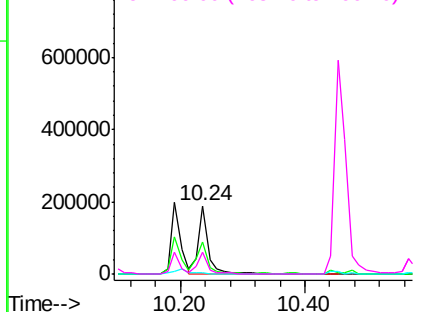
Delta R.T. -0.02 min

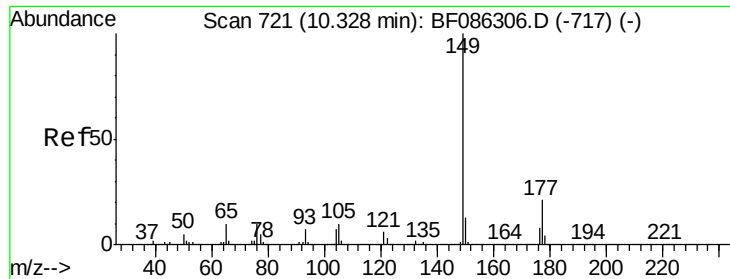
Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 232  | Resp: | 220315 |
| Ion Ratio |      | Lower | Upper  |
| 232       | 100  |       |        |
| 131       | 47.7 | 46.6  | 70.0   |
| 130       | 0.0  | 2.5   | 3.7#   |
| 166       | 30.4 | 28.3  | 42.5   |

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





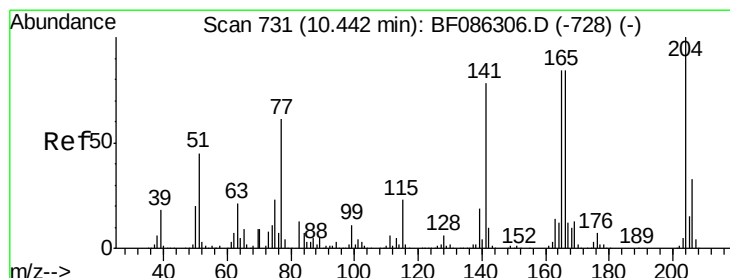
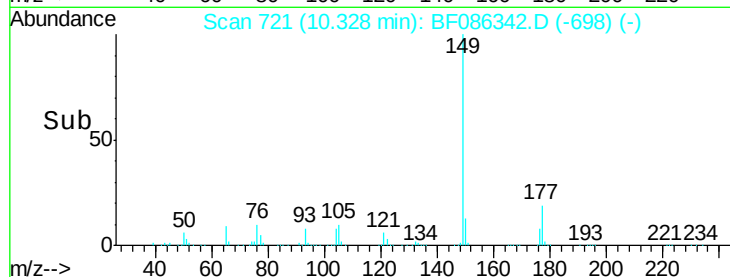
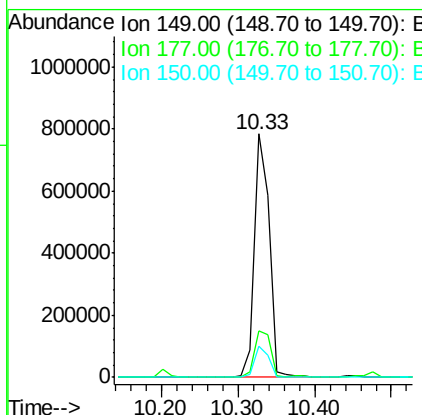
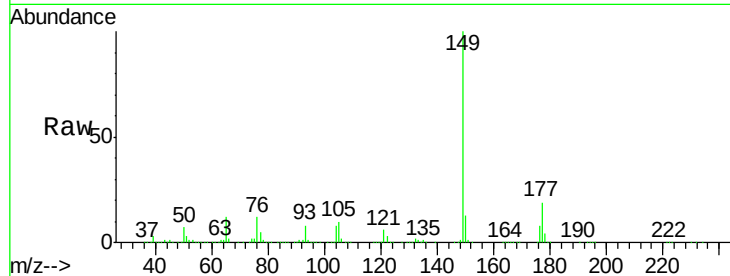
#59  
Diethylphthalate  
Concen: 48.96 ng  
RT: 10.33 min Scan# 721  
Delta R.T. -0.03 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 19.2  | 17.0  | 25.6  |
| 150     | 12.7  | 10.2  | 15.4  |

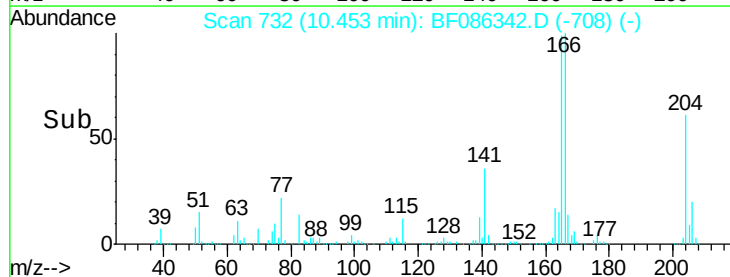
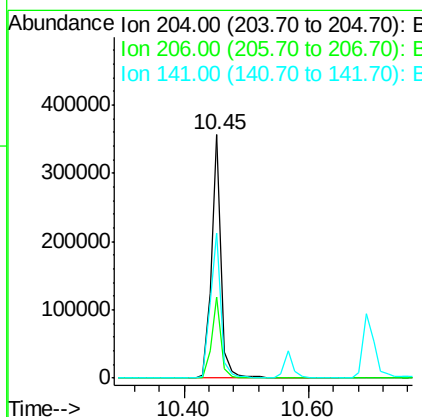
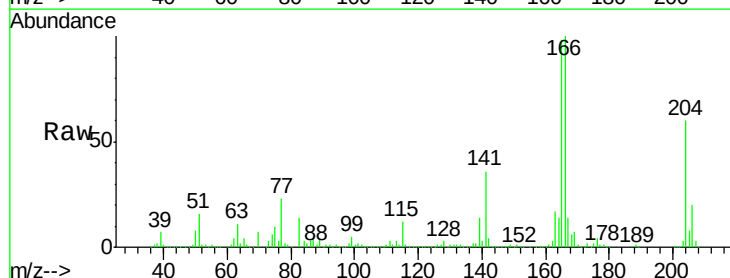
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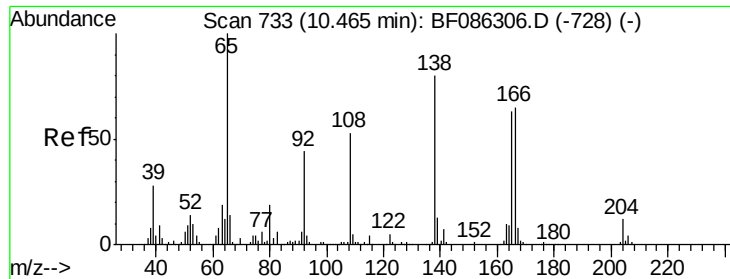
sohil  
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#60  
4-Chlorophenyl-phenylether  
Concen: 51.90 ng  
RT: 10.45 min Scan# 732  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 26.2  | 39.2  |
| 141     | 59.8  | 55.4  | 83.0  |





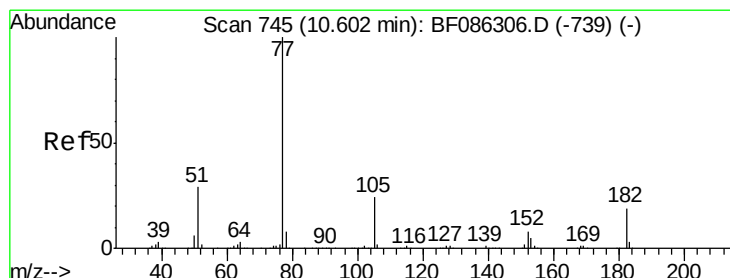
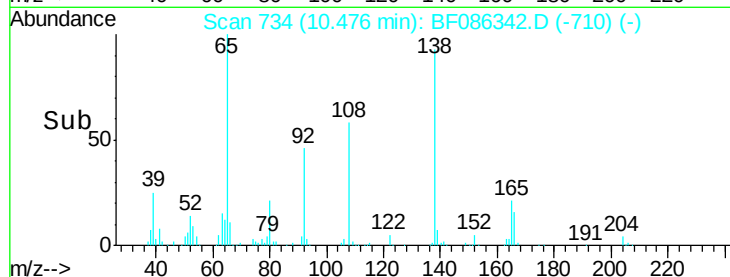
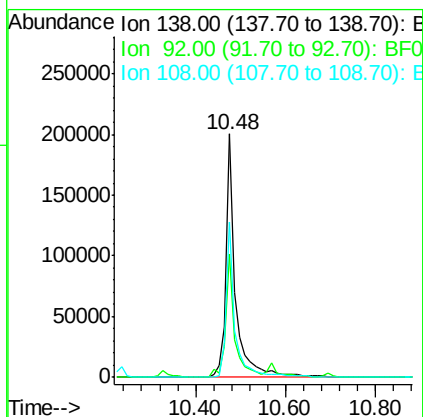
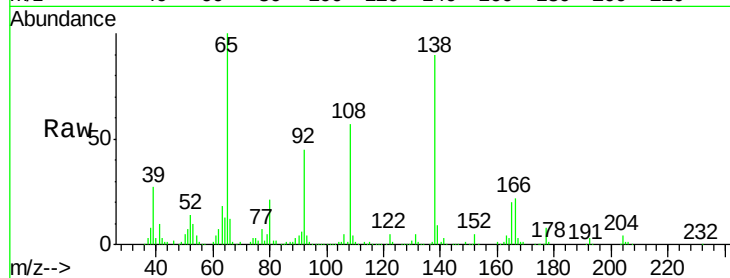
#61  
4-Nitroaniline  
Concen: 56.47 ng  
RT: 10.48 min Scan# 734  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 300672 |       |       |
| 92      | 50.6  | 31.9   | 71.9  |       |
| 108     | 63.7  | 58.7   | 98.7  |       |

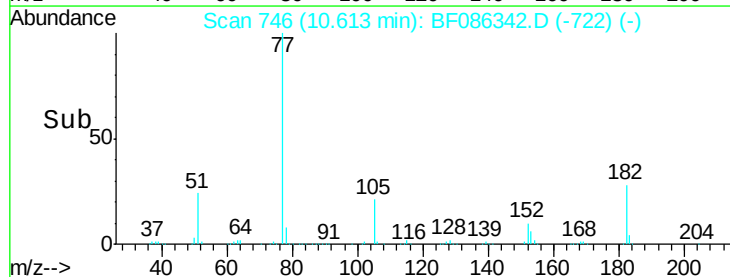
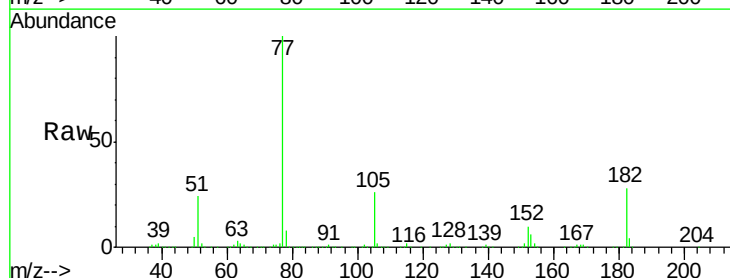
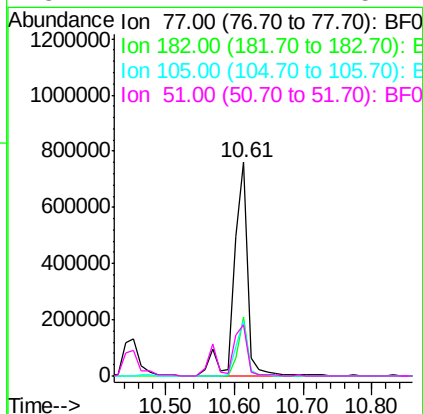
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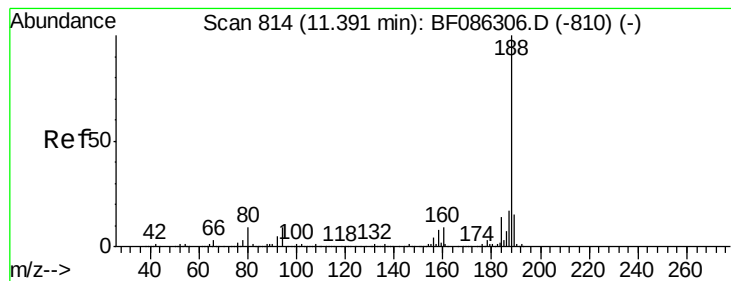
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#62  
Azobenzene  
Concen: 49.95 ng  
RT: 10.61 min Scan# 746  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 77      | 100   | 1044293 |       |       |
| 182     | 27.7  | 2.3     | 42.3  |       |
| 105     | 26.0  | 3.4     | 43.4  |       |
| 51      | 24.2  | 11.7    | 51.7  |       |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

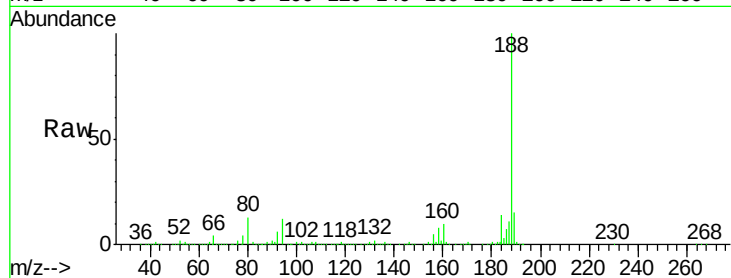
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 487603 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 11.7  | 9.8   | 14.8   |
| 80        | 12.8  | 10.5  | 15.7   |

Manual Integrations  
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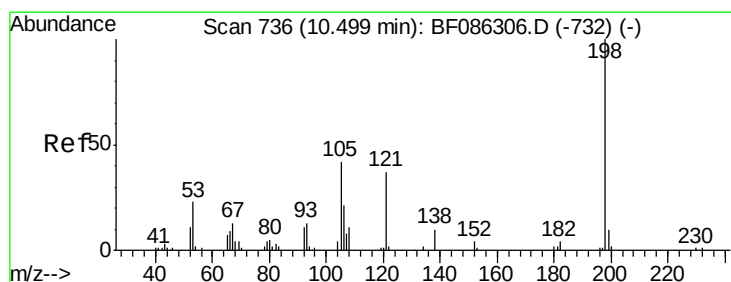
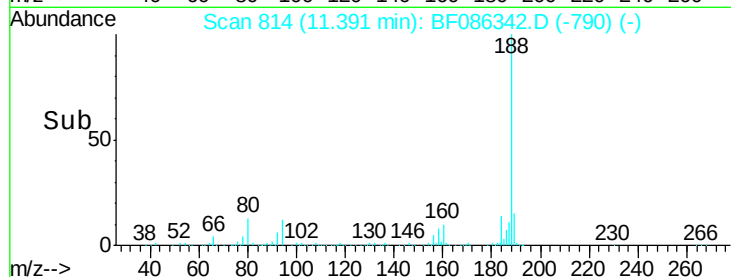
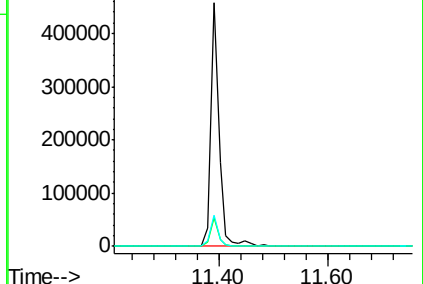
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 8.03 ng

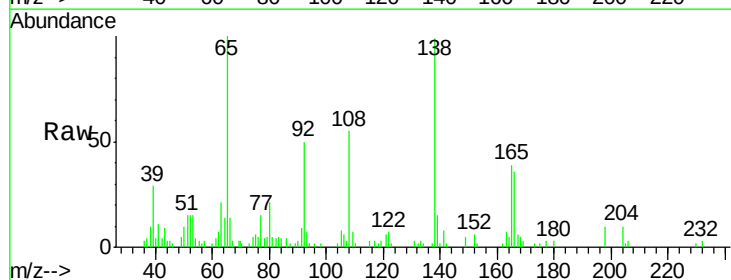
RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

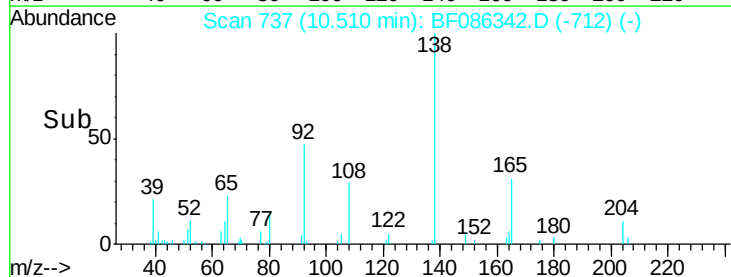
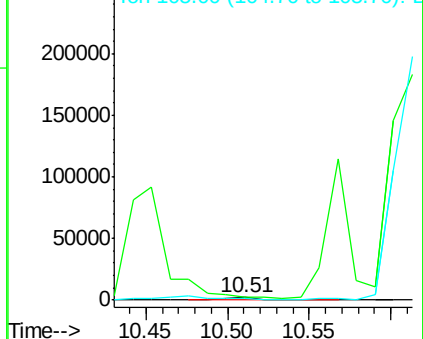
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 3464  |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 141.0 | 56.5  | 96.5# |
| 105       | 80.5  | 48.0  | 88.0  |

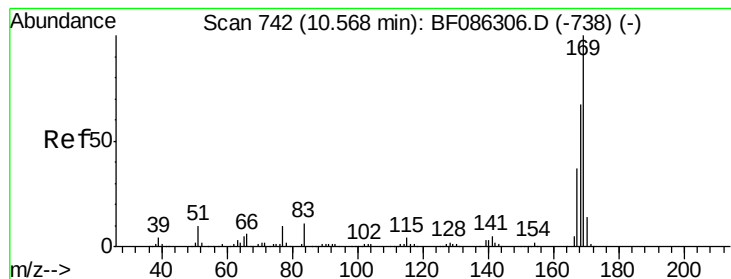


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





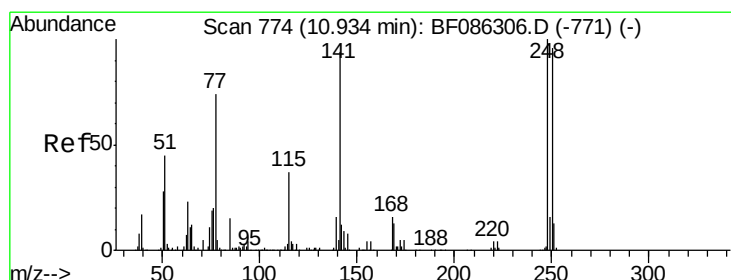
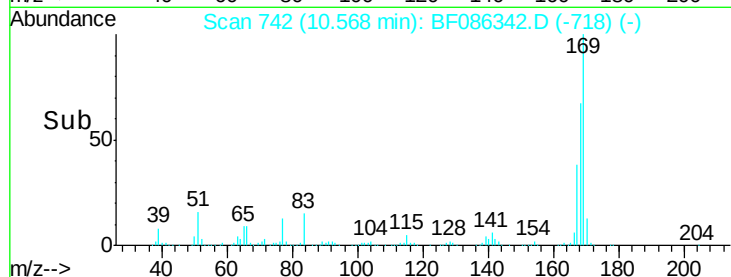
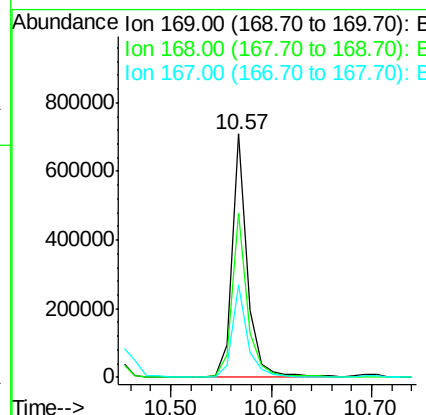
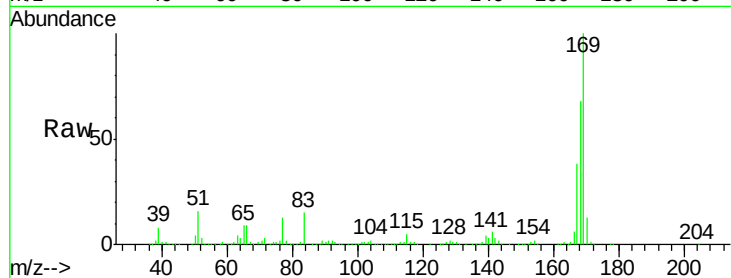
#65  
 n-Nitrosodiphenylamine  
 Concen: 46.54 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 747604 |       |       |
| 168     | 67.7  | 54.3   | 81.5  |       |
| 167     | 38.0  | 30.2   | 45.2  |       |

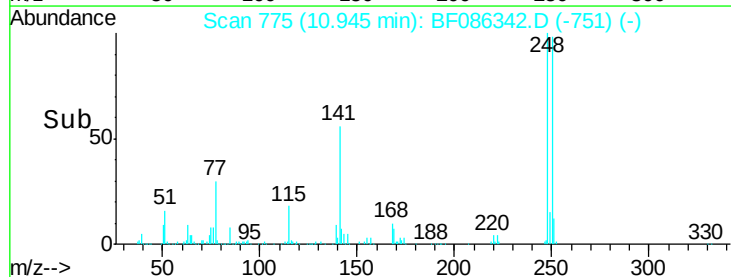
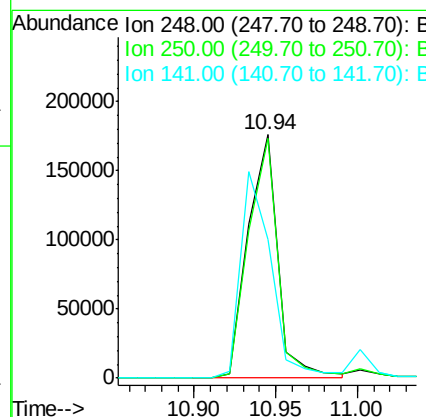
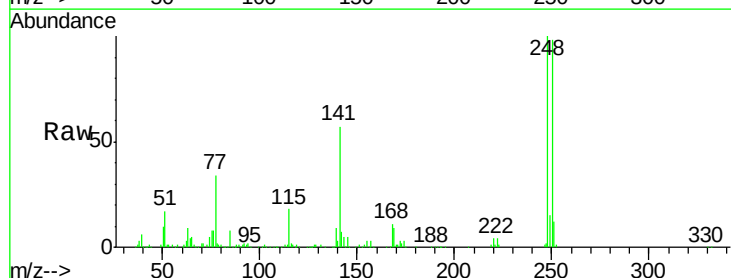
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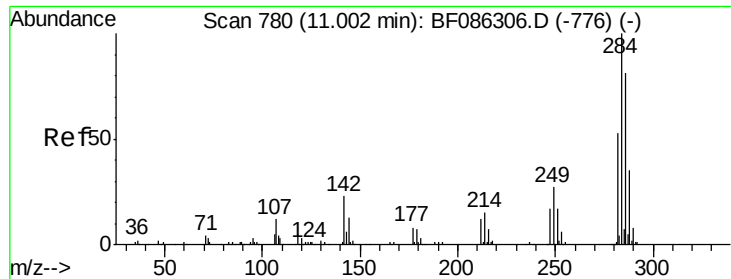
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#66  
 4-Bromophenyl-phenylether  
 Concen: 42.59 ng  
 RT: 10.94 min Scan# 775  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 223149 |       |       |
| 250     | 98.3  | 78.6   | 118.0 |       |
| 141     | 56.7  | 57.9   | 86.9# |       |





#67

Hexachlorobenzene

Concen: 44.11 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

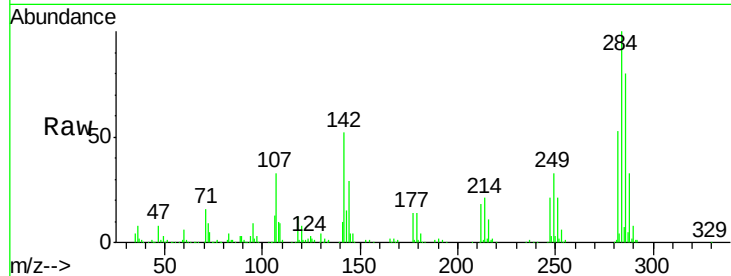
ClientSampleId :

B-931WB(N)(19)MS

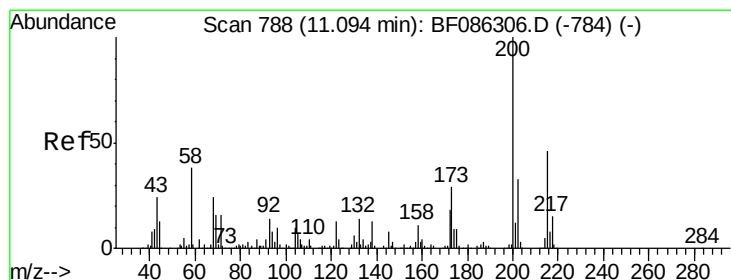
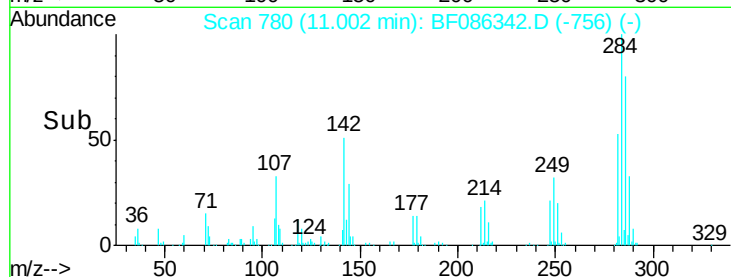
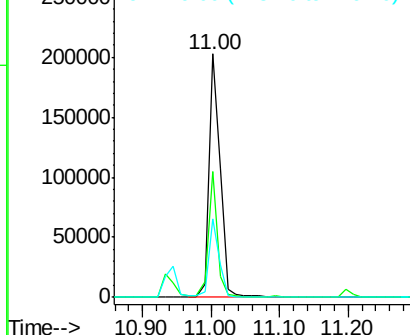
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 231944 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 51.5  | 42.6  | 64.0   |
| 249       | 32.5  | 25.9  | 38.9   |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 35.78 ng

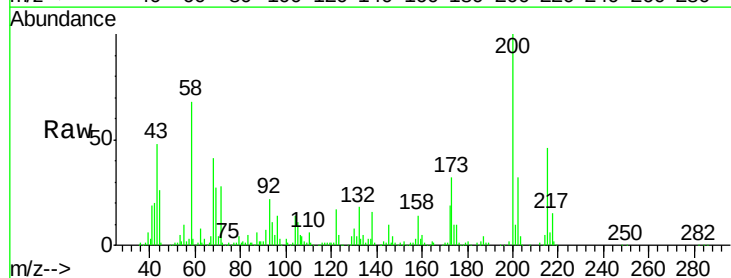
RT: 11.09 min Scan# 788

Delta R.T. -0.02 min

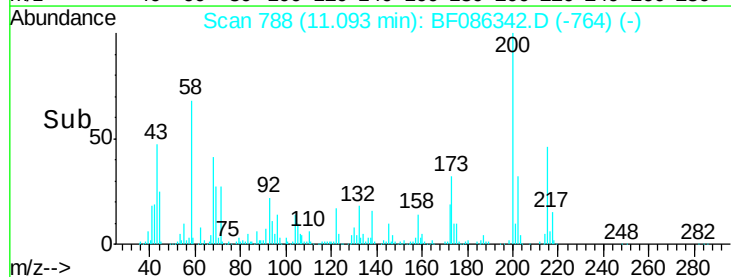
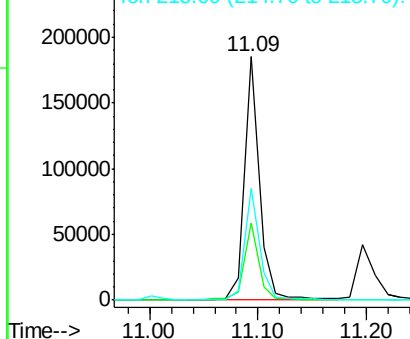
Lab File: BF086342.D

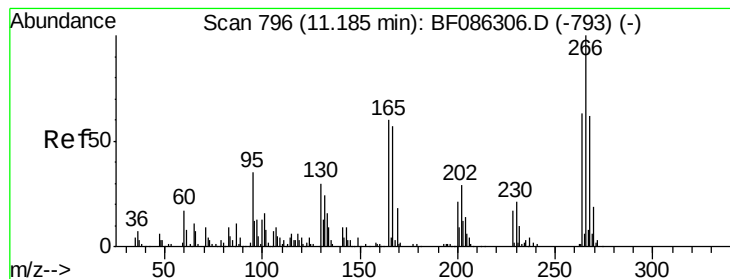
Acq: 21 Apr 2016 7:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 176649 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 32.0  | 11.2  | 51.2   |
| 215       | 45.8  | 24.0  | 64.0   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 92.42 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

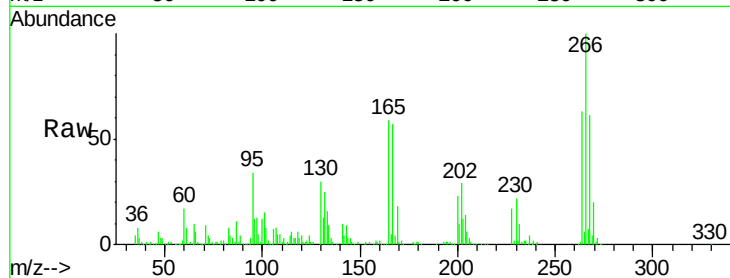
ClientSampleId :

B-931WB(N)(19)MS

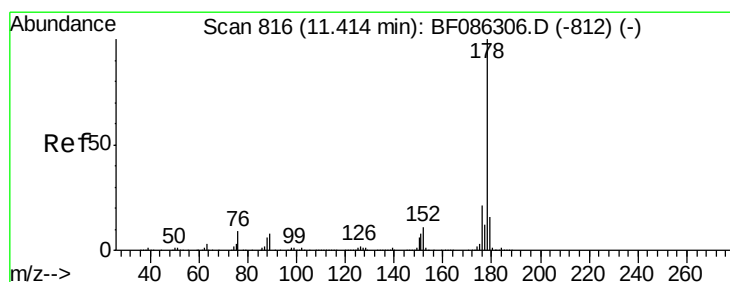
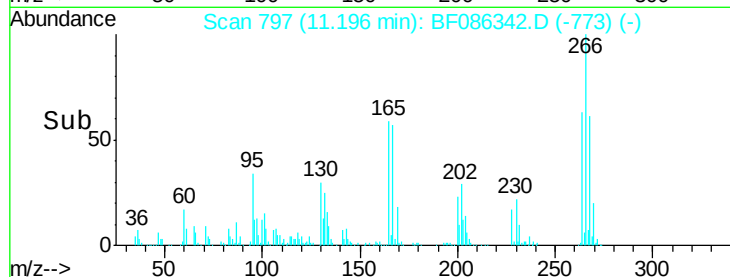
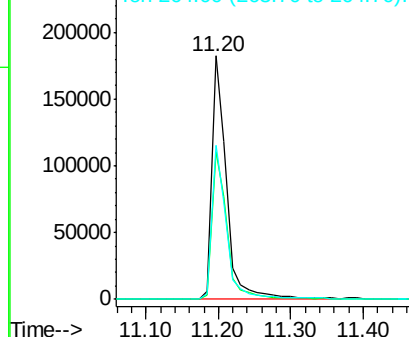
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 266   | Resp: | 254574 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 60.6  | 53.0  | 79.4   |
| 264       | 63.0  | 51.3  | 76.9   |

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Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 48.84 ng

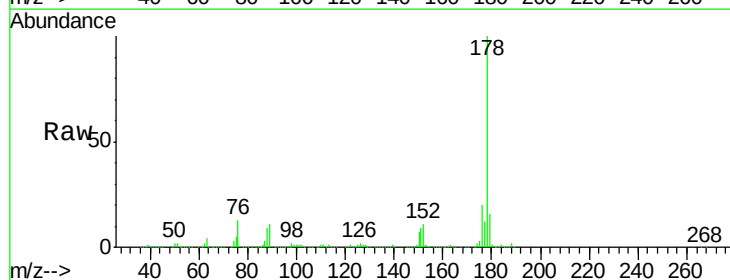
RT: 11.41 min Scan# 816

Delta R.T. -0.02 min

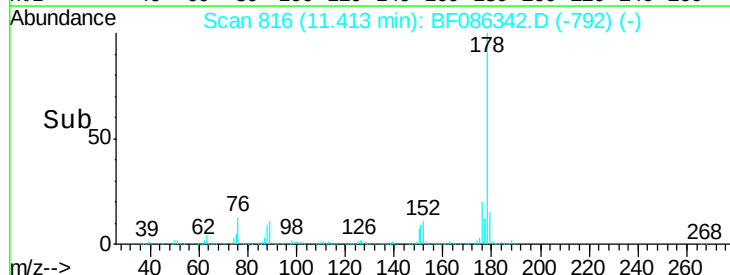
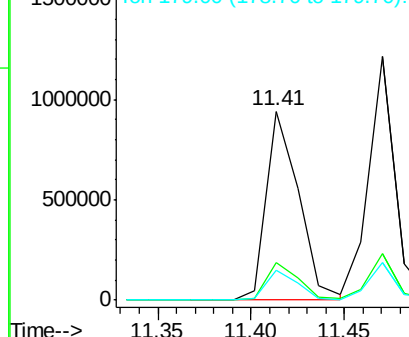
Lab File: BF086342.D

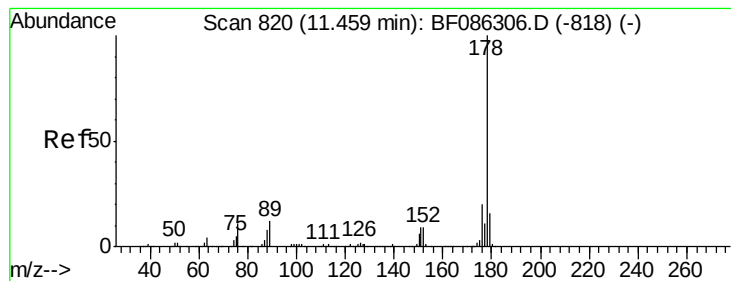
Acq: 21 Apr 2016 7:11

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 1128612 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 176       | 20.1  | 16.3  | 24.5    |
| 179       | 15.9  | 13.0  | 19.6    |



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





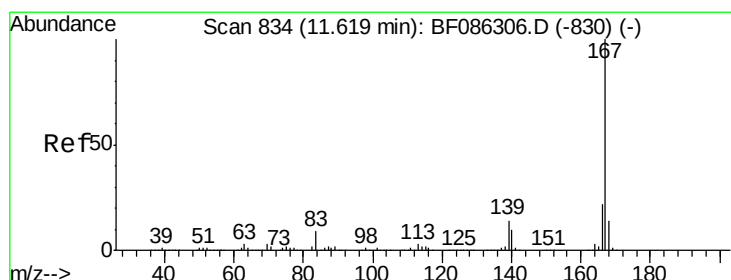
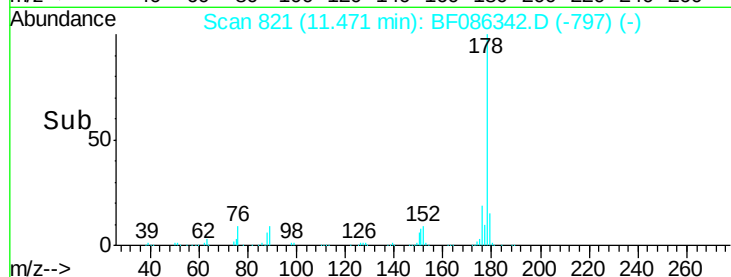
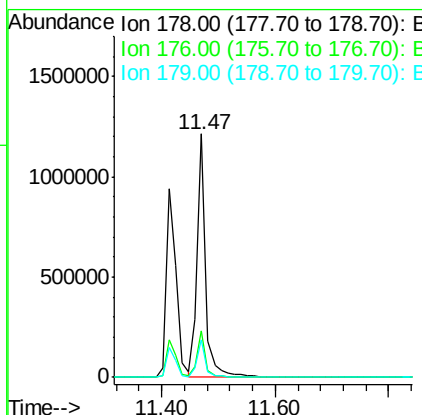
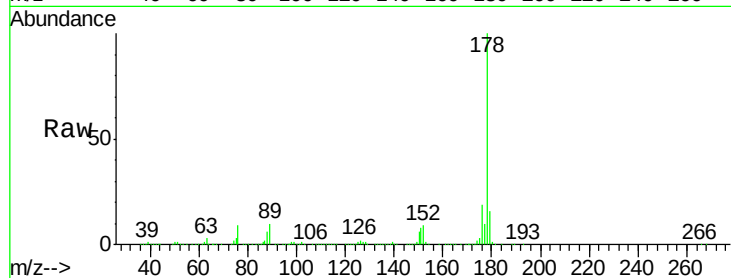
#71  
 Anthracene  
 Concen: 51.38 ng  
 RT: 11.47 min Scan# 821  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

Tot Ion:178 Resp: 1271523  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.2 24.4  
 179 15.6 13.2 19.8

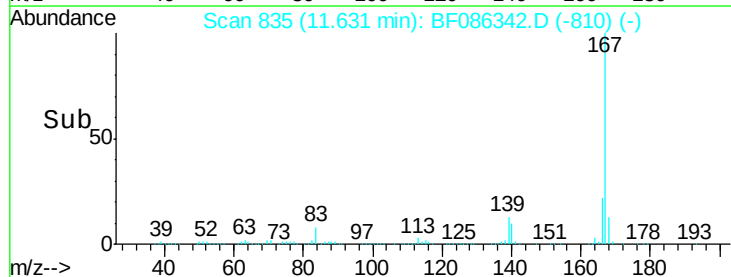
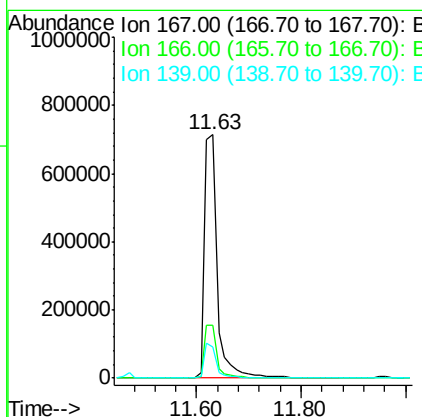
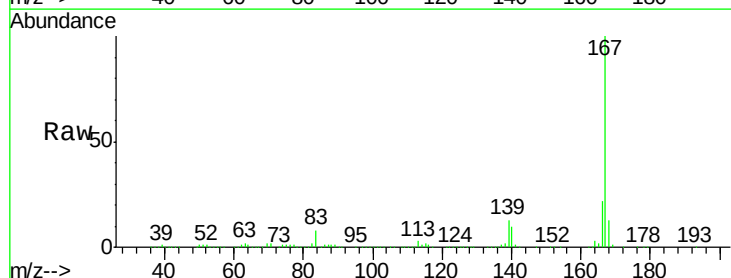
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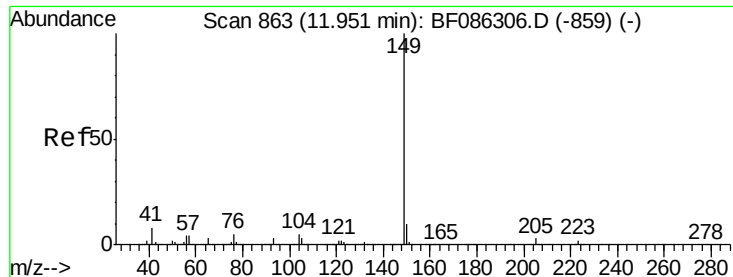


#72  
 Carbazole  
 Concen: 51.85 ng  
 RT: 11.63 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Tgt Ion:167 Resp: 1214193  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 18.3 27.5  
 139 13.0 12.3 18.5







#73

Di-n-butylphthalate

Concen: 48.18 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

ClientSampleId :

B-931WB(N)(19)MS

Tot Ion:149 Resp: 1452683

Ion Ratio Lower Upper

149 100

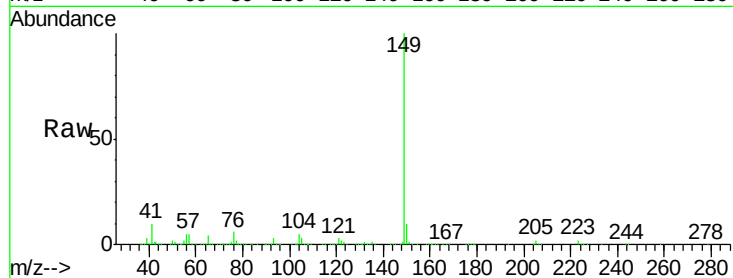
150 9.7 7.8 11.8

104 5.3 4.1 6.1

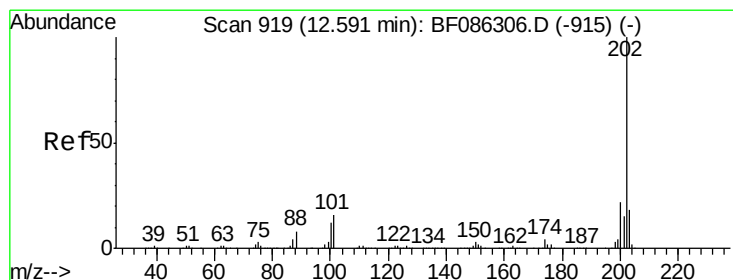
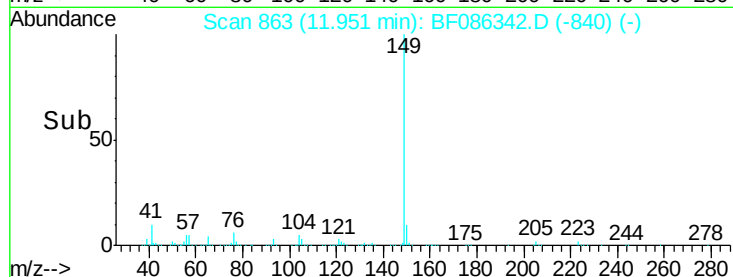
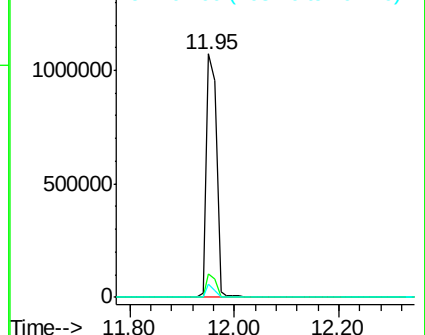
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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 56.15 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

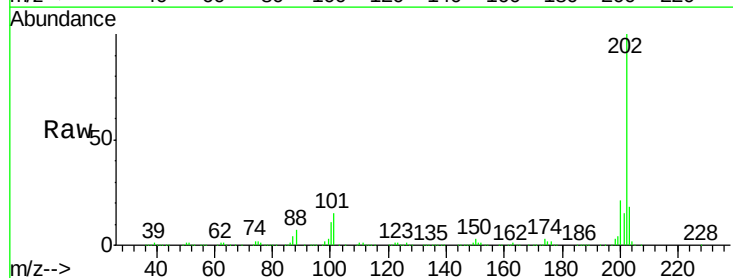
Tgt Ion:202 Resp: 1202944

Ion Ratio Lower Upper

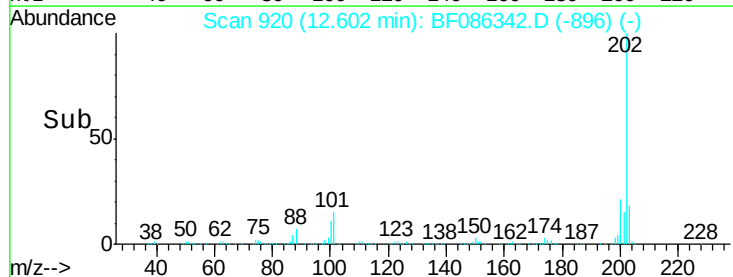
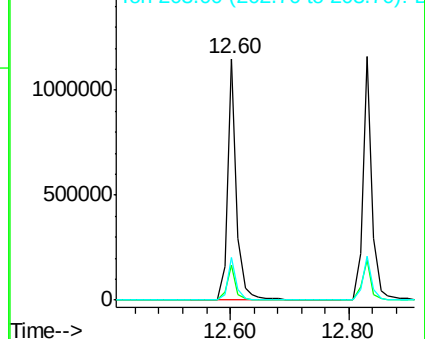
202 100

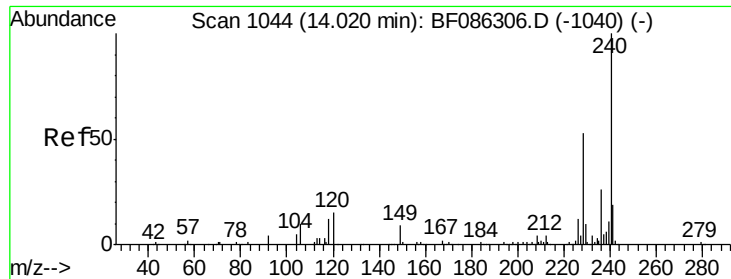
101 14.7 0.0 35.2

203 17.8 0.0 38.2



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

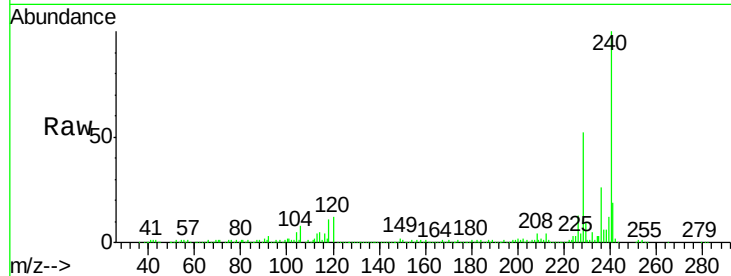
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 334591 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.1  | 9.3   | 13.9   |
| 236       | 25.9  | 21.1  | 31.7   |

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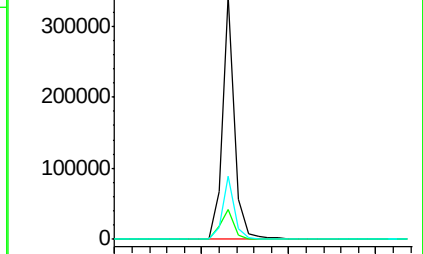
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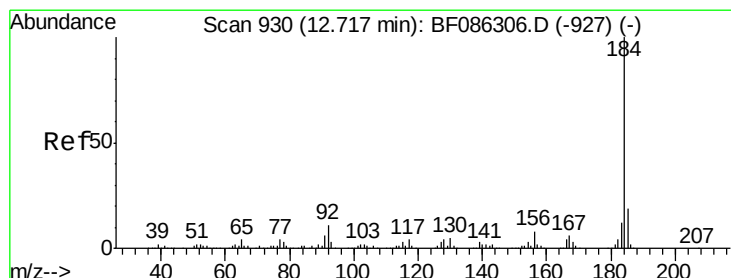
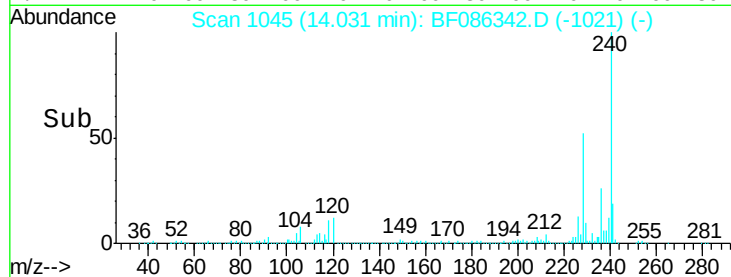
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10 14.20



#76

Benzidine

Concen: 54.20 ng

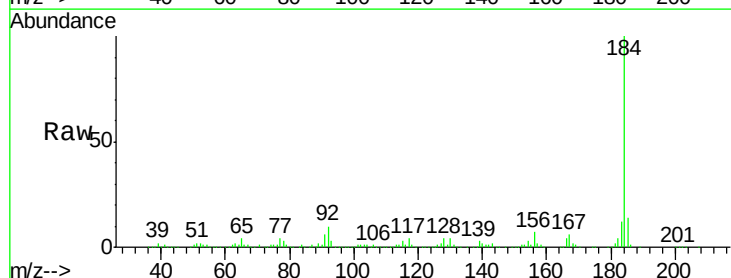
RT: 12.73 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

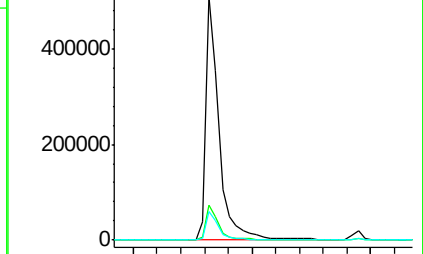
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 800529 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 14.2  | 21.2   |
| 183       | 11.8  | 9.8   | 14.6   |



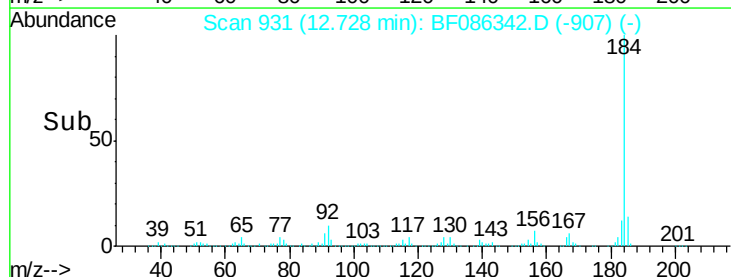
Abundance Ion 184.00 (183.70 to 184.70): E

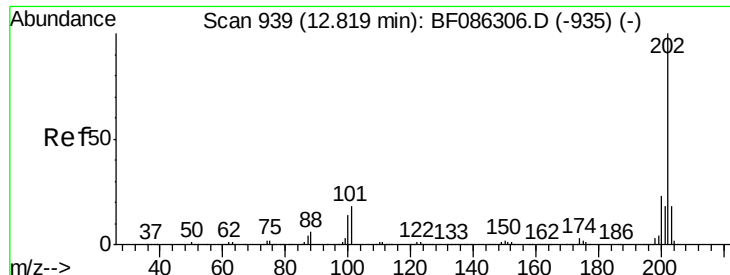
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 12.60 12.80 13.00





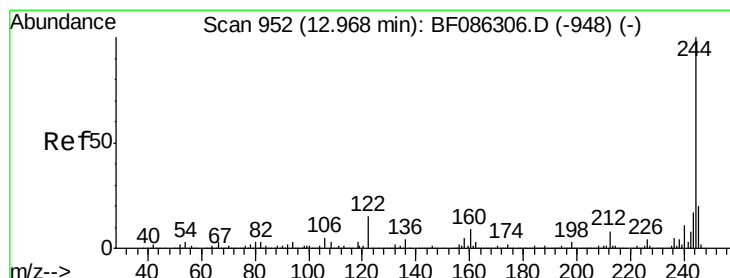
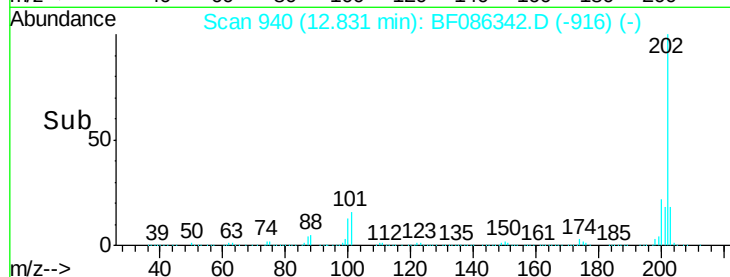
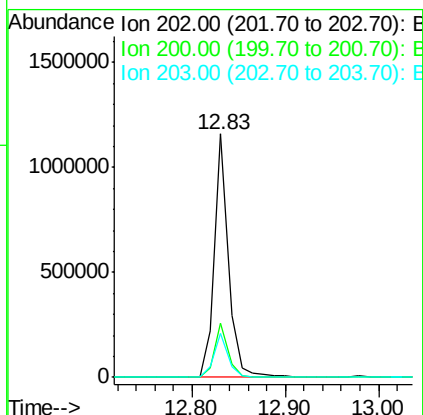
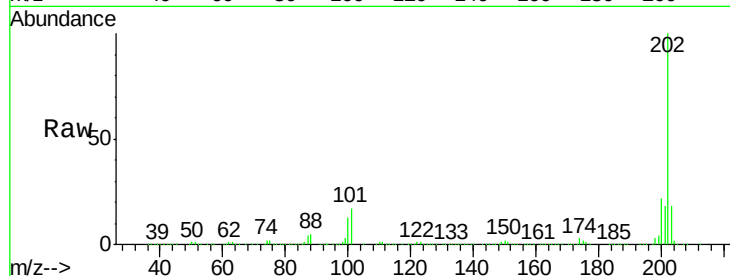
#77  
Pvrene  
Concen: 49.11 ng  
RT: 12.83 min Scan# 940  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

Instrument :  
BNA\_F  
ClientSampleId :  
B-931WB(N)(19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.3  | 18.3  | 27.5  |
| 203     | 17.9  | 14.9  | 22.3  |

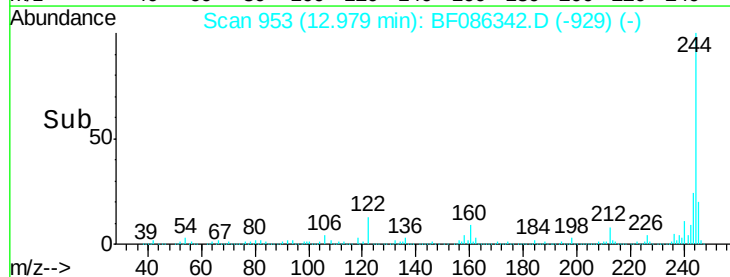
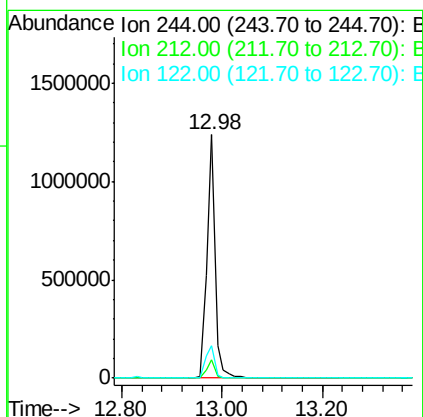
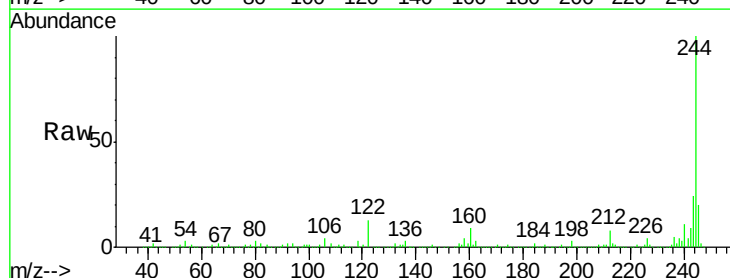
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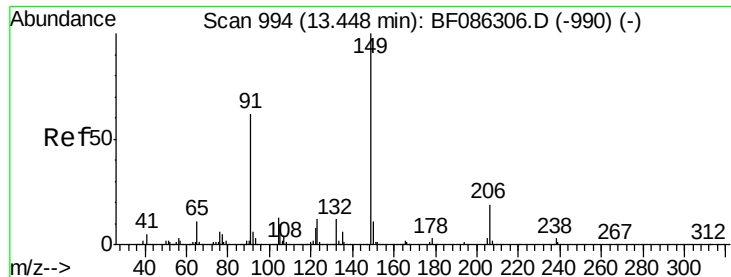
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#78  
Terphenyl-d14  
Concen: 99.38 ng  
RT: 12.98 min Scan# 953  
Delta R.T. -0.02 min  
Lab File: BF086342.D  
Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 6.4   | 9.6   |
| 122     | 13.5  | 11.7  | 17.5  |





#79

Butylbenzylphthalate

Concen: 48.64 ng

RT: 13.45 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

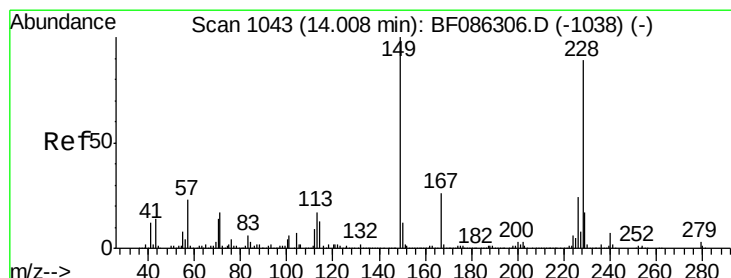
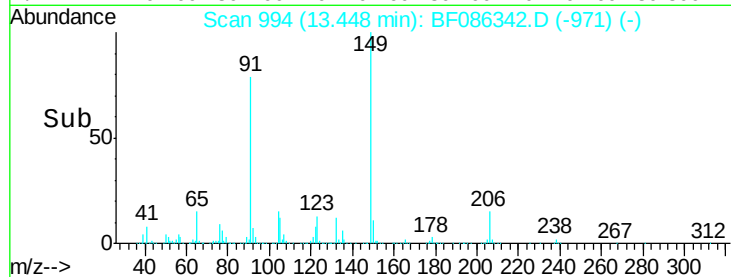
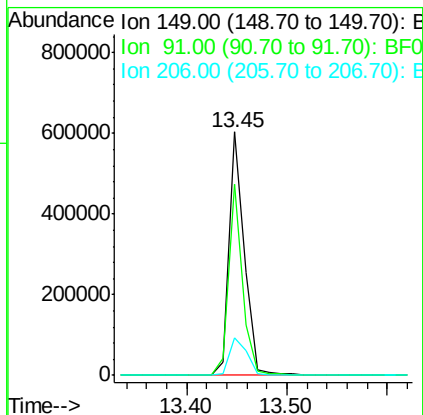
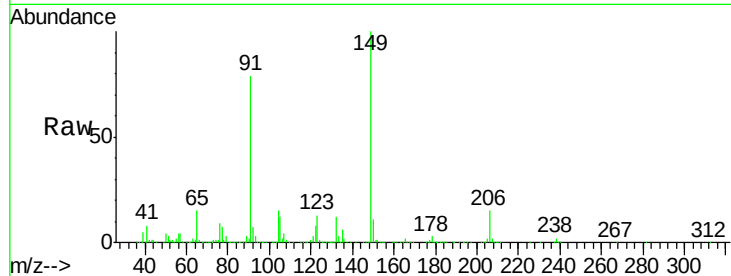
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 637271 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 78.7  | 48.7  | 73.1#  |
| 206       | 15.2  | 15.7  | 23.5#  |

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#80

Benzo(a)anthracene

Concen: 51.09 ng

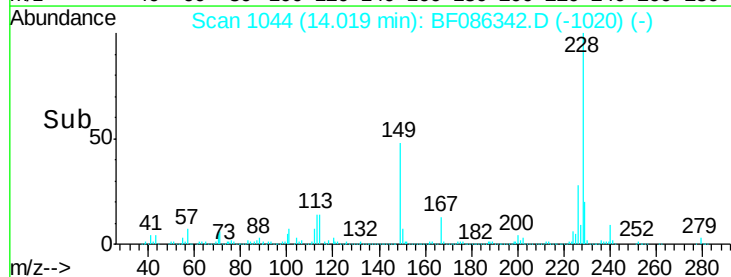
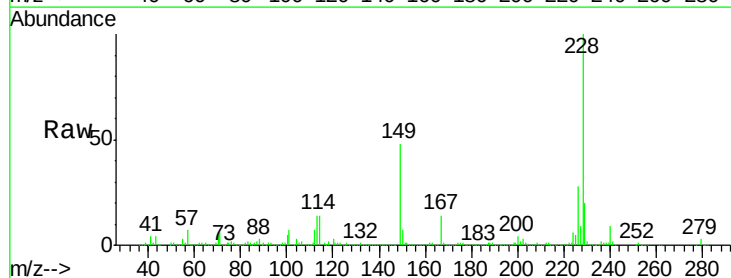
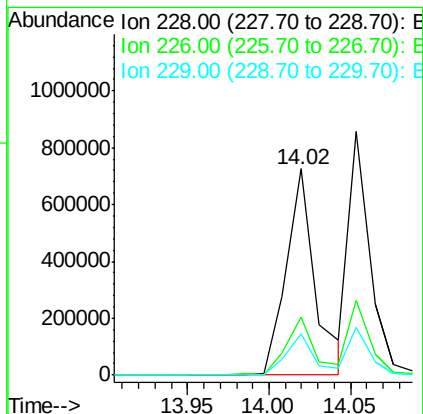
RT: 14.02 min Scan# 1044

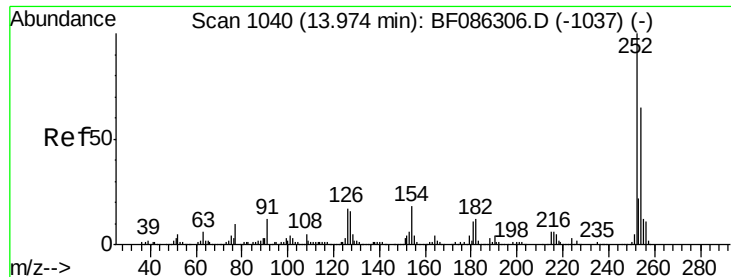
Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 900392 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.1  | 22.5  | 33.7   |
| 229       | 19.8  | 16.2  | 24.2   |





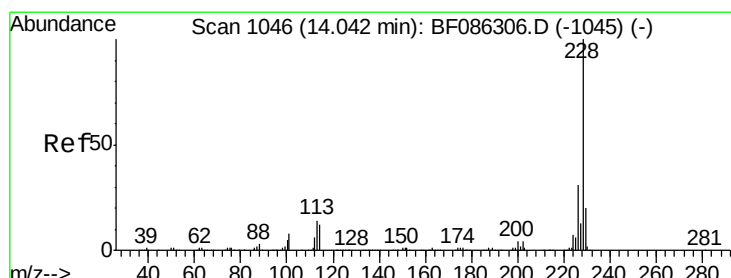
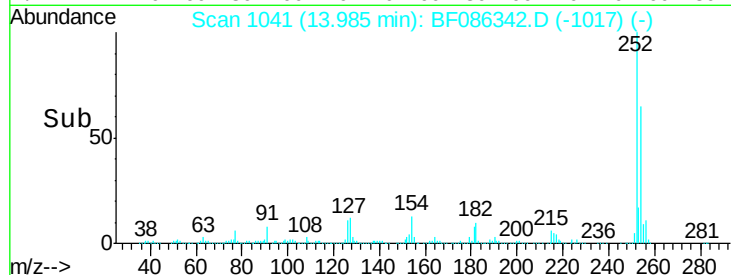
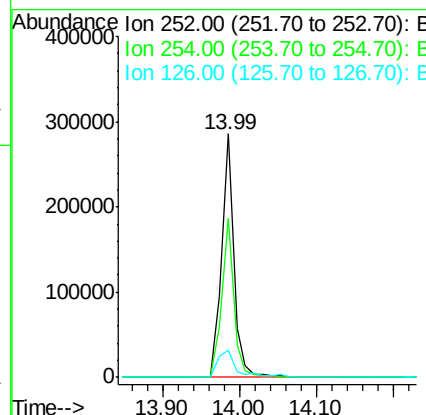
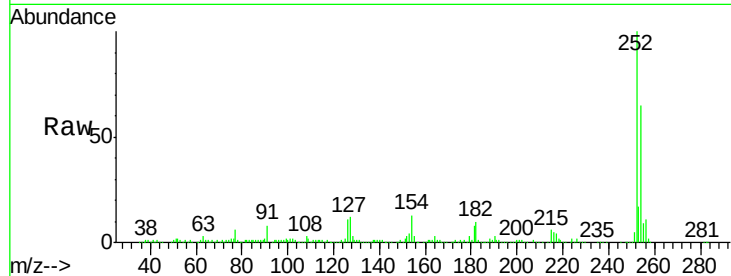
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.35 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   |      |       |       |
| 254     | 65.4  | 52.1 | 78.1  |       |
| 126     | 11.4  | 13.2 | 19.8  |       |

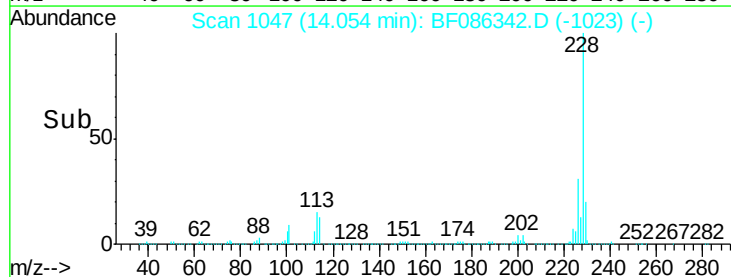
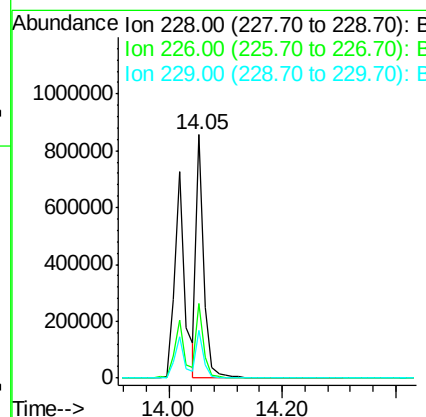
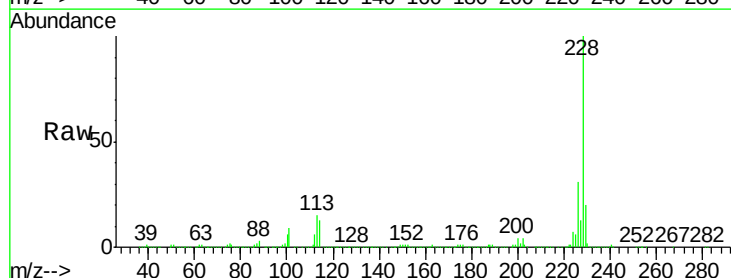
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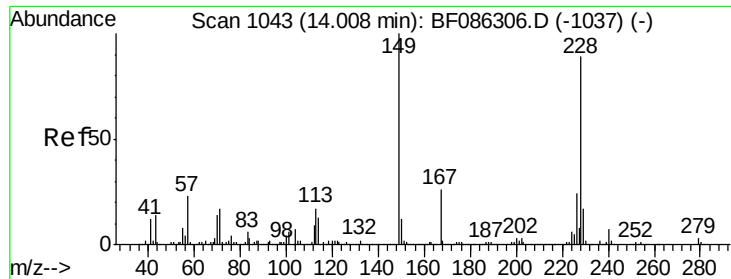
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#82  
 Chrysene  
 Concen: 42.90 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   |      |       |       |
| 226     | 30.9  | 25.4 | 38.2  |       |
| 229     | 19.6  | 16.5 | 24.7  |       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.32 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

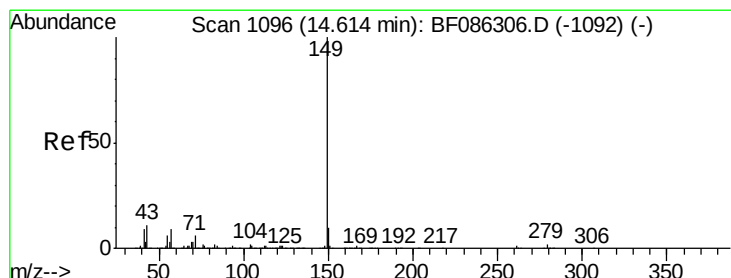
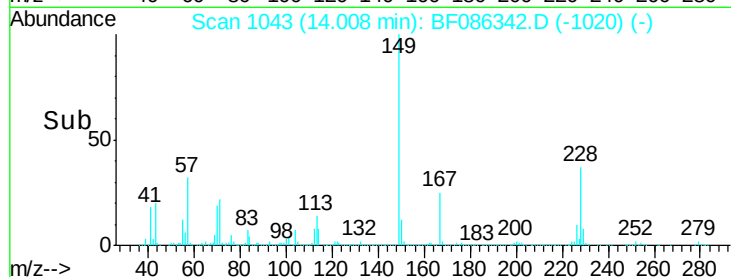
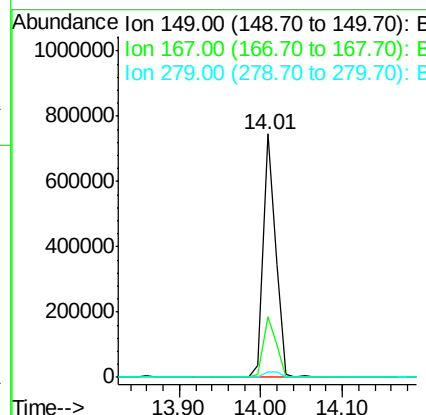
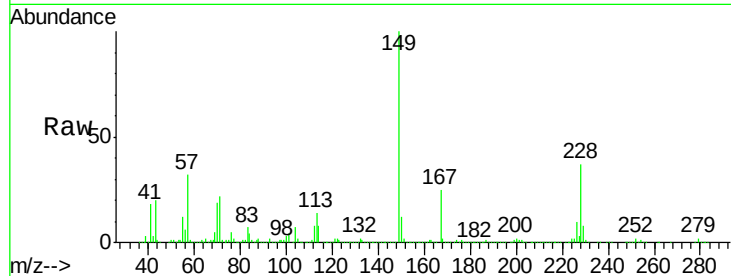
ClientSampleId :

B-931WB(N)(19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 787439 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 25.0  | 21.0  | 31.4   |
| 279       | 2.0   | 2.4   | 3.6#   |

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#84

Di-n-octyl phthalate

Concen: 54.31 ng

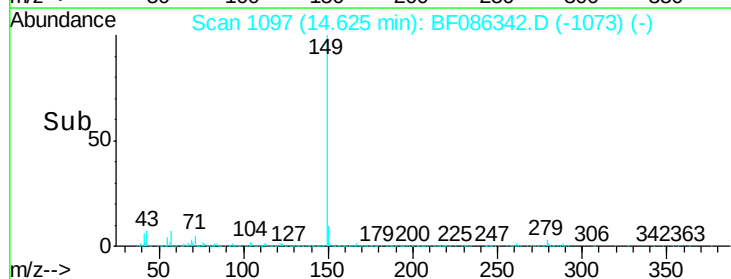
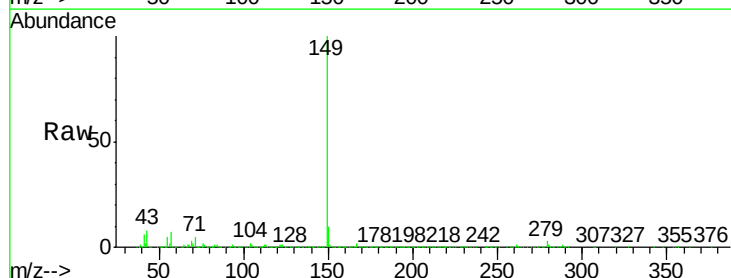
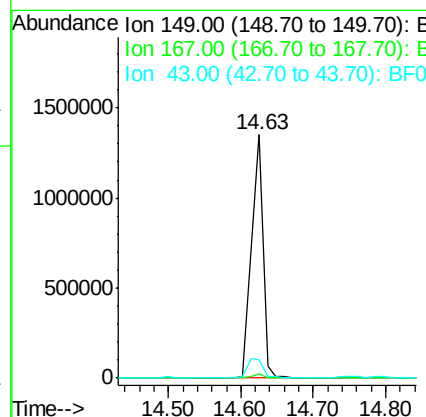
RT: 14.63 min Scan# 1097

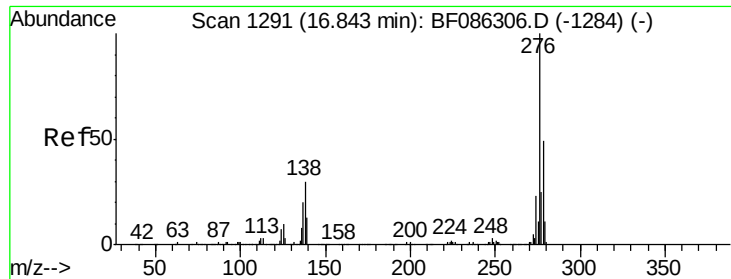
Delta R.T. -0.02 min

Lab File: BF086342.D

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1501844 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.5   | 1.1   | 1.7     |
| 43        | 9.9   | 9.1   | 13.7    |





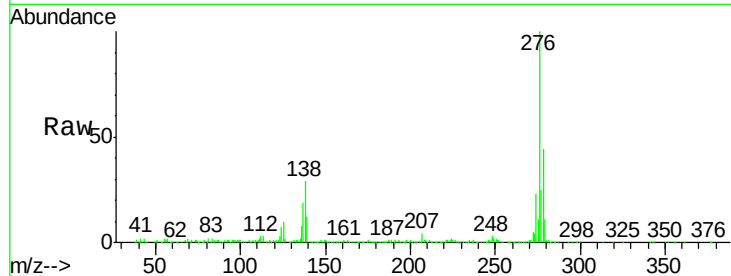
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.25 ng  
 RT: 16.87 min Scan# 1293  
 Delta R.T. -0.03 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

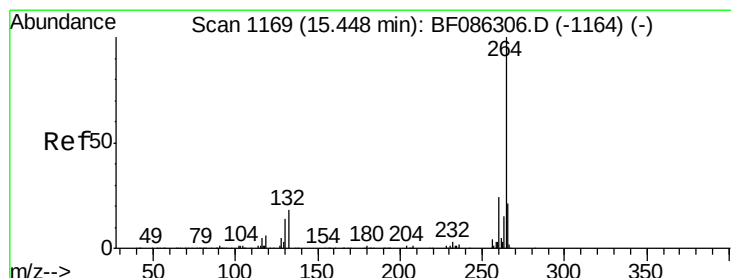
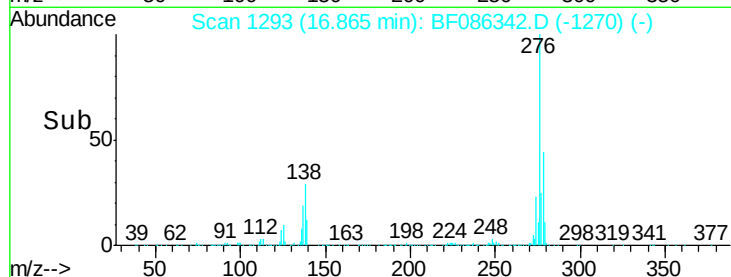
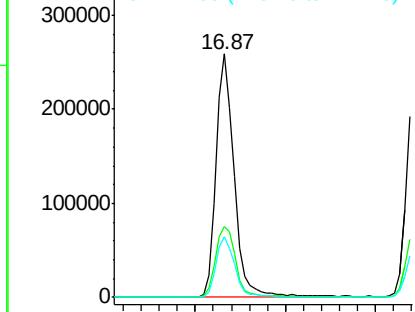
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.7  | 23.8  | 35.6  |
| 277     | 25.8  | 20.2  | 30.2  |

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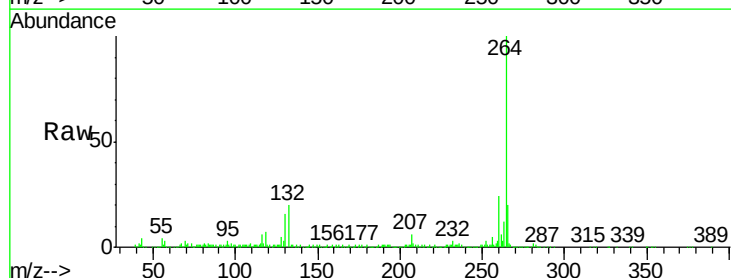


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

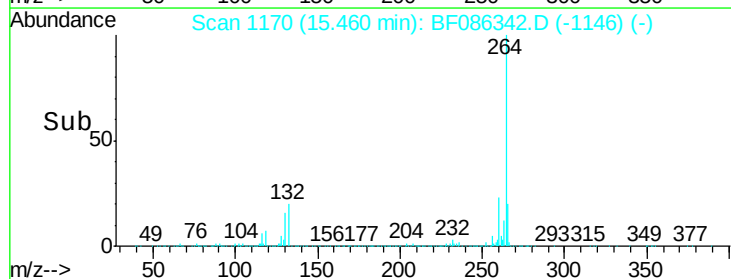
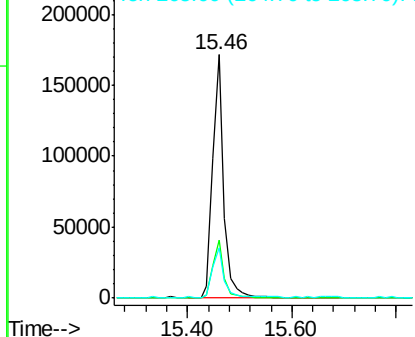


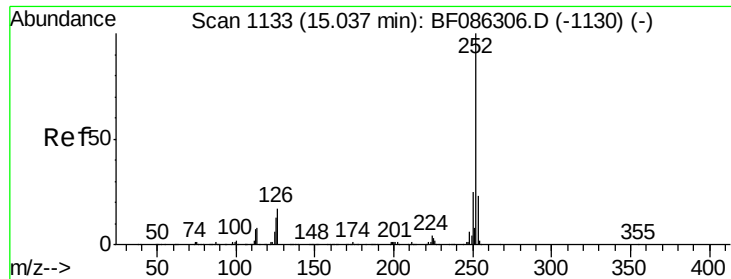
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.46 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 20.0  | 30.0  |
| 265     | 20.5  | 17.4  | 26.0  |



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





#87

Benzo(b)fluoranthene

Concen: 49.07 ng m

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

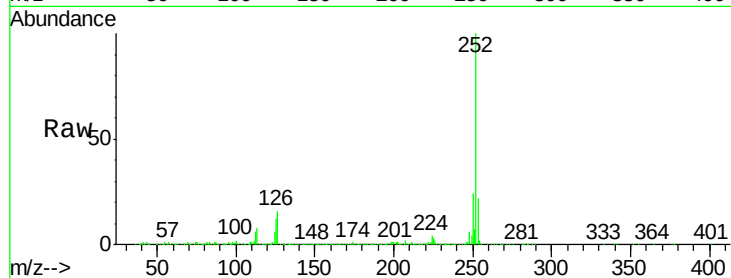
ClientSampleId :

B-931WB(N)(19)MS

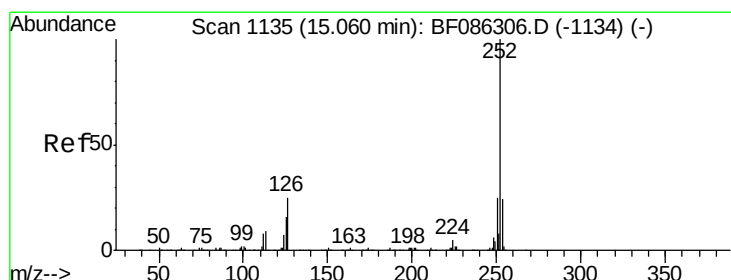
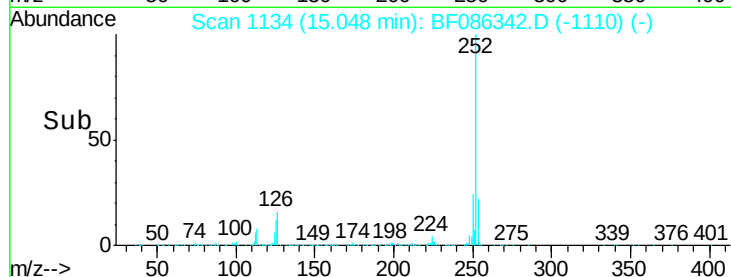
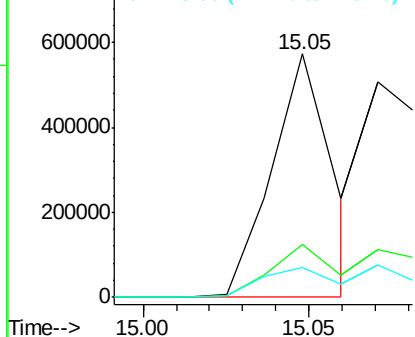
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 719260 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.7  | 26.5   |
| 125       | 12.3  | 10.3  | 15.5   |

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



#88

Benzo(k)fluoranthene

Concen: 58.72 ng m

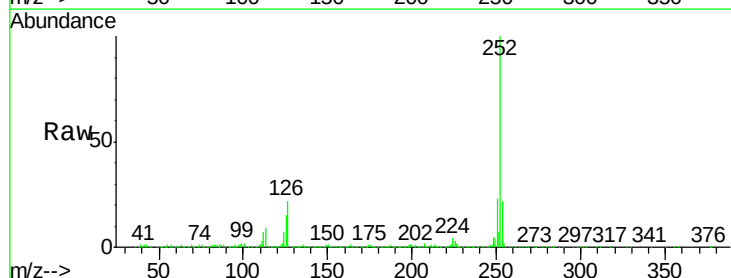
RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

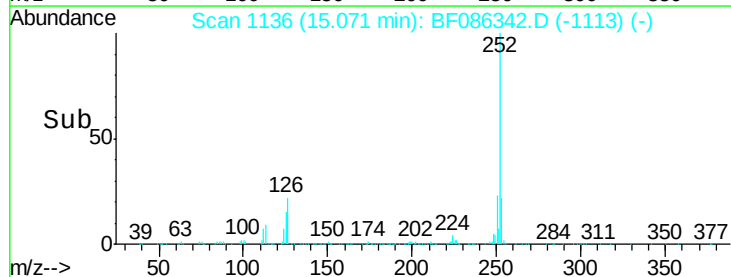
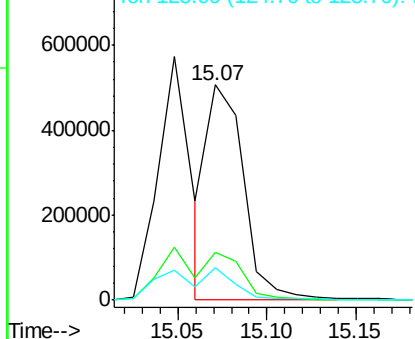
Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

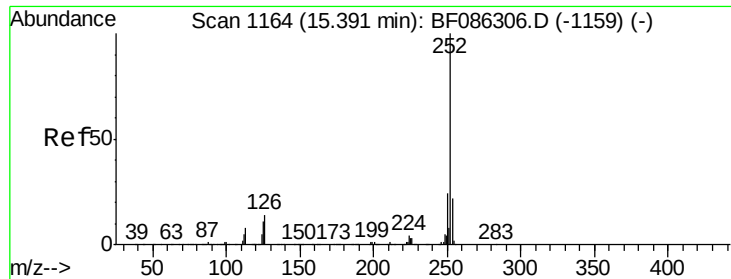
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 724691 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.5  | 17.5  | 26.3   |
| 125       | 15.2  | 7.8   | 11.6#  |



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







#89

Benzo(a)pyrene

Concen: 50.12 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF086342.D

Acq: 21 Apr 2016 7:11

Instrument :

BNA\_F

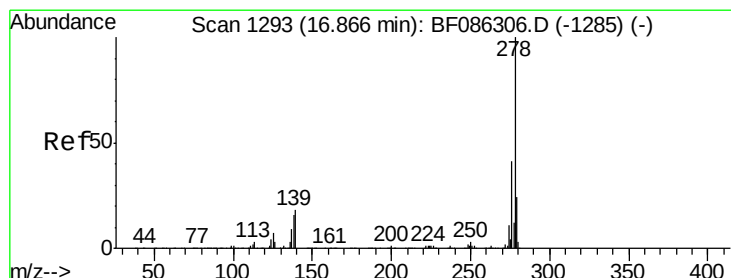
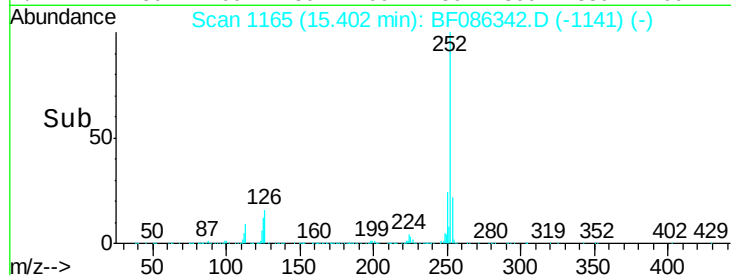
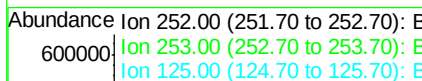
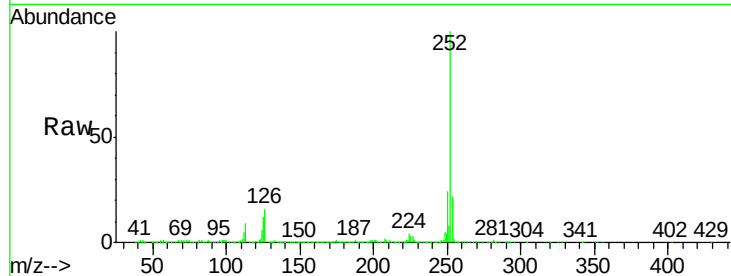
ClientSampleId :

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|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 252  | Resp: | 677190 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.0 | 17.8  | 26.8   |
| 125       | 12.0 | 11.2  | 16.8   |

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#90

Dibenzo(a,h)anthracene

Concen: 52.54 ng

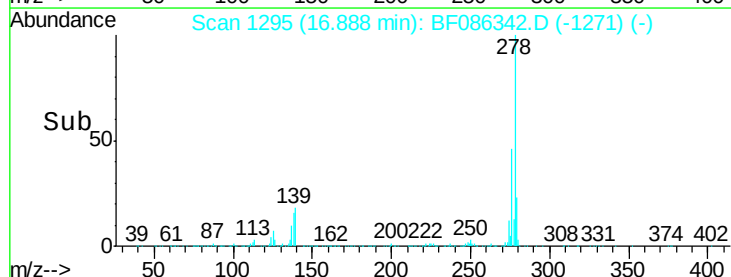
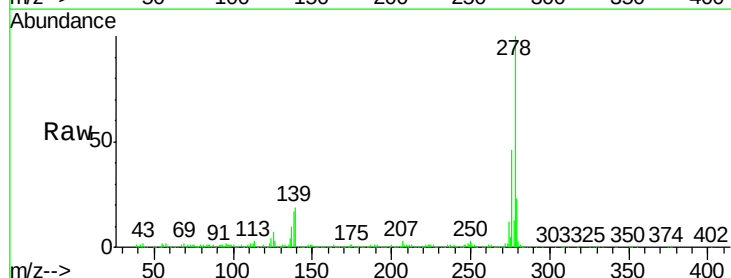
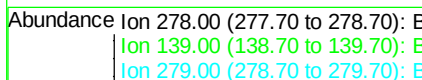
RT: 16.89 min Scan# 1295

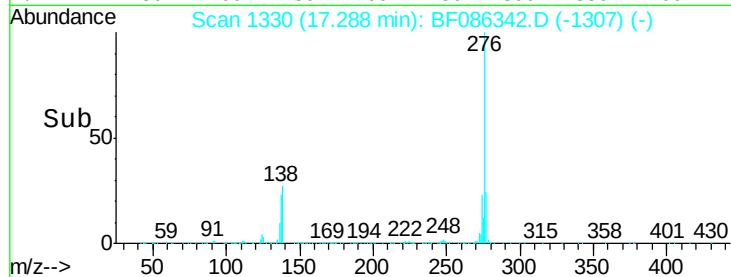
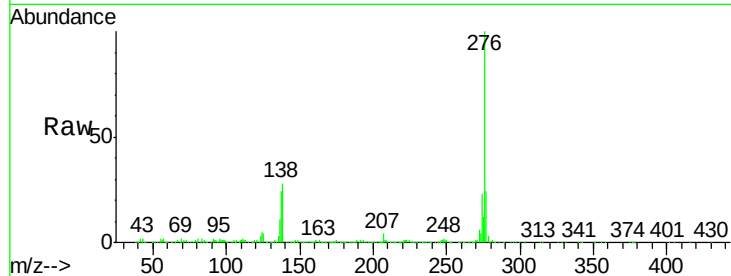
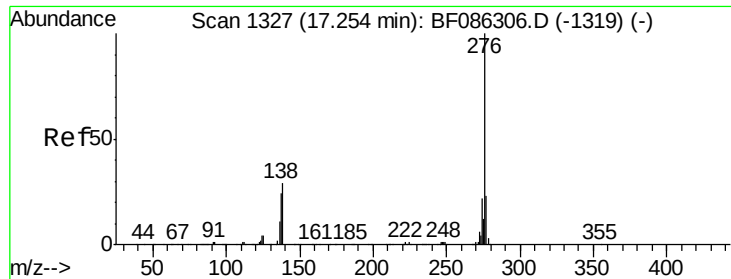
Delta R.T. -0.02 min

Lab File: BF086342.D

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|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 278  | Resp: | 619679 |
| Ion Ratio |      | Lower | Upper  |
| 278       | 100  |       |        |
| 139       | 18.6 | 15.3  | 22.9   |
| 279       | 23.4 | 19.1  | 28.7   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 52.72 ng  
 RT: 17.29 min Scan# 1330  
 Delta R.T. -0.03 min  
 Lab File: BF086342.D  
 Acq: 21 Apr 2016 7:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-931WB(N)(19)MS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 596121  | 276 | 100   |      |       |       |
|         | 277 | 23.9  |      | 19.0  | 28.6  |
|         | 138 | 27.5  |      | 19.6  | 29.4  |

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