

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052316\  
 Data File : BF087304.D  
 Acq On : 23 May 2016 17:08  
 Operator : UM/SJ  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Manual Integrations  
 APPROVED

umangi  
 5/24/2016 7:39:08 PM

Quant Time: May 24 01:15:19 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 24 00:59:18 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 144851   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.64  | 136  | 598902   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.48 | 164  | 272246   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 14.88 | 188  | 507753   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.56 | 240  | 398275   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.23 | 264  | 308110   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 876912  | 101.47 | ng | 0.00 |
| 7) Phenol-d6             | 7.16  | 99  | 1106014 | 96.34  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.54  | 82  | 1168930 | 96.50  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.78 | 330 | 263300  | 89.80  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.43 | 172 | 1821245 | 108.88 | ng | 0.00 |
| 78) Terphenyl-d14        | 17.22 | 244 | 1807556 | 99.89  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.94  | 88  | 217658  | 49.53 | ng | # 77   |
| 3) Pyridine                    | 2.55  | 79  | 498776  | 47.48 | ng | # 65   |
| 4) n-Nitrosodimethylamine      | 2.52  | 42  | 387930  | 51.77 | ng | # 47   |
| 6) Aniline                     | 7.12  | 93  | 733829  | 49.90 | ng | 94     |
| 8) 2-Chlorophenol              | 7.29  | 128 | 505304  | 48.37 | ng | 85     |
| 9) Benzaldehyde                | 6.94  | 77  | 274909  | 42.13 | ng | 99     |
| 10) Phenol                     | 7.18  | 94  | 533386  | 38.21 | ng | 75     |
| 11) bis(2-Chloroethyl)ether    | 7.26  | 93  | 474611  | 43.54 | ng | 85     |
| 12) 1,3-Dichlorobenzene        | 7.52  | 146 | 548622  | 49.45 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.64  | 146 | 561081  | 49.26 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.87  | 146 | 511884  | 50.45 | ng | 97     |
| 15) Benzyl Alcohol             | 7.91  | 79  | 428208  | 50.07 | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 1063510 | 47.34 | ng | 87     |
| 17) 2-Methylphenol             | 8.12  | 107 | 400669  | 46.95 | ng | # 89   |
| 18) Hexachloroethane           | 8.40  | 117 | 213084  | 49.19 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.34  | 70  | 412321  | 47.73 | ng | # 72   |
| 20) 3+4-Methylphenols          | 8.38  | 107 | 516548  | 46.26 | ng | # 59   |
| 22) Acetophenone               | 8.31  | 105 | 701190  | 48.07 | ng | # 98   |
| 24) Nitrobenzene               | 8.57  | 77  | 621344  | 47.75 | ng | 94     |
| 25) Isophorone                 | 8.96  | 82  | 1040588 | 47.41 | ng | 99     |
| 26) 2-Nitrophenol              | 9.06  | 139 | 265499  | 48.63 | ng | # 67   |
| 27) 2,4-Dimethylphenol         | 9.21  | 122 | 437370  | 47.13 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 9.34  | 93  | 592638  | 49.69 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.47  | 162 | 409274  | 49.70 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 9.58  | 180 | 452442  | 49.35 | ng | 98     |
| 31) Naphthalene                | 9.68  | 128 | 1429741 | 48.57 | ng | 99     |
| 32) Benzoic acid               | 9.54  | 122 | 211799  | 39.59 | ng | # 76   |
| 33) 4-Chloroaniline            | 9.82  | 127 | 539191  | 44.97 | ng | # 89   |
| 34) Hexachlorobutadiene        | 9.90  | 225 | 272907  | 51.89 | ng | 98     |
| 35) Caprolactam                | 10.49 | 113 | 125052m | 48.18 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 10.68 | 107 | 463908  | 47.06 | ng | 96     |
| 37) 2-Methylnaphthalene        | 10.81 | 142 | 905132  | 48.04 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.08 | 216 | 423877  | 52.02 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.06 | 237 | 153135  | 60.61 | ng | 93     |

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 BNA\_F  
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Manual Integrations  
 APPROVED

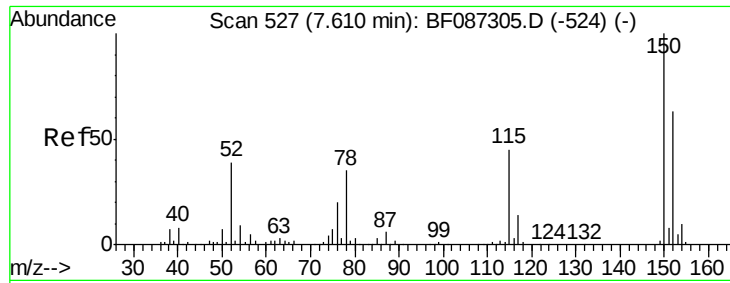
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 5/24/2016 7:39:08 PM

Quant Time: May 24 01:15:19 2016  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.30 | 196  | 258622   | 50.06 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 11.38 | 196  | 262676   | 49.39 | ng #  | 91       |
| 45) 1,1'-Biphenyl              | 11.58 | 154  | 1086805  | 47.86 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 11.60 | 162  | 851358   | 48.69 | ng    | 97       |
| 47) 2-Nitroaniline             | 11.80 | 65   | 321204   | 48.72 | ng #  | 75       |
| 48) Acenaphthylene             | 12.25 | 152  | 1330308  | 49.43 | ng    | 99       |
| 49) Dimethylphthalate          | 12.14 | 163  | 1069261  | 51.02 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 12.23 | 165  | 228219   | 51.31 | ng    | 93       |
| 51) Acenaphthene               | 12.54 | 154  | 812890   | 48.45 | ng    | 98       |
| 52) 3-Nitroaniline             | 12.49 | 138  | 224233   | 46.56 | ng #  | 82       |
| 53) 2,4-Dinitrophenol          | 12.68 | 184  | 102928   | 47.01 | ng #  | 77       |
| 54) Dibenzofuran               | 12.82 | 168  | 1111834  | 50.94 | ng    | 96       |
| 55) 4-Nitrophenol              | 12.87 | 139  | 105993   | 51.41 | ng #  | 61       |
| 56) 2,4-Dinitrotoluene         | 12.88 | 165  | 298411   | 51.51 | ng #  | 90       |
| 57) Fluorene                   | 13.37 | 166  | 964739   | 53.94 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.05 | 232  | 205117   | 49.31 | ng    | 99       |
| 59) Diethylphthalate           | 13.28 | 149  | 1011752  | 51.16 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.41 | 204  | 474575   | 57.30 | ng    | 89       |
| 61) 4-Nitroaniline             | 13.51 | 138  | 229822   | 48.96 | ng #  | 80       |
| 62) Azobenzene                 | 13.66 | 77   | 1109069  | 48.69 | ng    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 13.55 | 198  | 172987   | 51.76 | ng #  | 84       |
| 65) n-Nitrosodiphenylamine     | 13.62 | 169  | 814980   | 50.98 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 14.19 | 248  | 275639   | 51.57 | ng #  | 85       |
| 67) Hexachlorobenzene          | 14.26 | 284  | 284946   | 47.69 | ng #  | 81       |
| 68) Atrazine                   | 14.54 | 200  | 256454   | 49.30 | ng    | 93       |
| 69) Pentachlorophenol          | 14.62 | 266  | 83398    | 38.81 | ng    | 99       |
| 70) Phenanthrene               | 14.93 | 178  | 1364690  | 49.74 | ng    | 99       |
| 71) Anthracene                 | 15.01 | 178  | 1366848  | 48.19 | ng    | 100      |
| 72) Carbazole                  | 15.29 | 167  | 1211394  | 48.11 | ng    | 99       |
| 73) Di-n-butylphthalate        | 15.86 | 149  | 1603793  | 54.37 | ng #  | 99       |
| 74) Fluoranthene               | 16.67 | 202  | 1391582  | 49.94 | ng    | 92       |
| 76) Benzidine                  | 16.89 | 184  | 514800   | 49.08 | ng    | 98       |
| 77) Pyrene                     | 16.97 | 202  | 1345496  | 46.88 | ng    | 99       |
| 79) Butylbenzylphthalate       | 17.87 | 149  | 637451   | 52.29 | ng #  | 68       |
| 80) Benzo(a)anthracene         | 18.55 | 228  | 1071733  | 46.22 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.54 | 252  | 577927   | 40.20 | ng    | 99       |
| 82) Chrysene                   | 18.59 | 228  | 1043962  | 46.84 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.62 | 149  | 897586   | 58.47 | ng #  | 96       |
| 84) Di-n-octyl phthalate       | 19.39 | 149  | 1435384  | 54.53 | ng #  | 85       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.49 | 276  | 867321   | 44.67 | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 19.82 | 252  | 1076721m | 51.16 | ng    |          |
| 88) Benzo(k)fluoranthene       | 19.85 | 252  | 706826m  | 48.01 | ng    |          |
| 89) Benzo(a)pyrene             | 20.17 | 252  | 839520   | 49.37 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 21.50 | 278  | 732646   | 50.80 | ng #  | 95       |
| 91) Benzo(g,h,i)perylene       | 21.85 | 276  | 725990   | 50.18 | ng    | 94       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion: 152 Resp: 144851

Ion Ratio Lower Upper

152 100

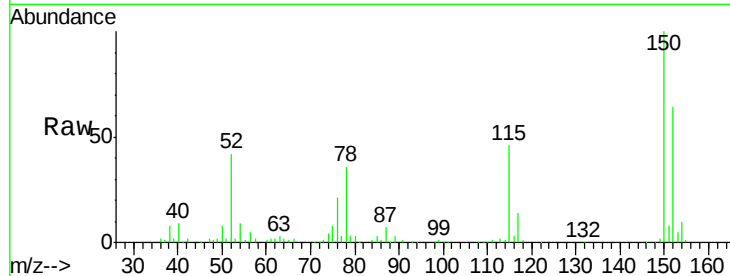
150 155.6 125.8 188.6

115 71.1 51.5 77.3

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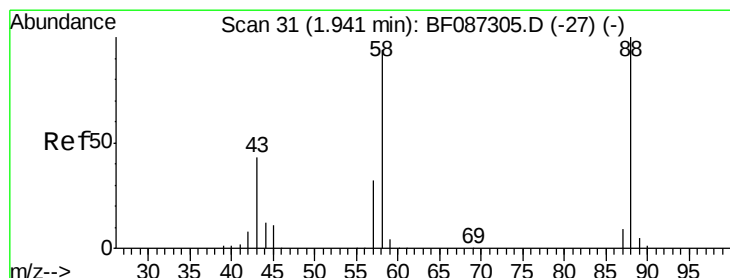
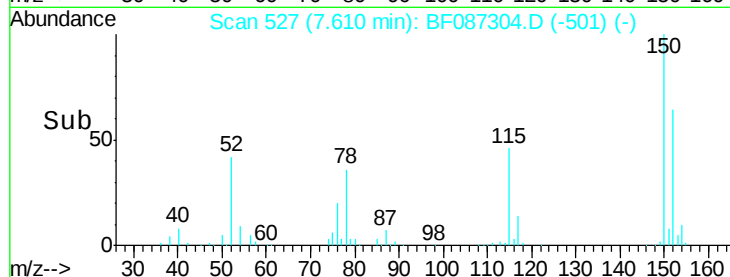
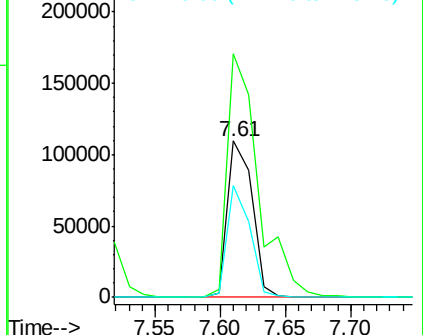
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 49.53 ng

RT: 1.94 min Scan# 31

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

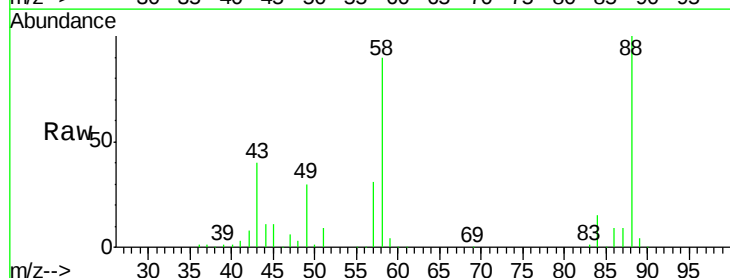
Tgt Ion: 88 Resp: 217658

Ion Ratio Lower Upper

88 100

58 92.0 59.6 89.4#

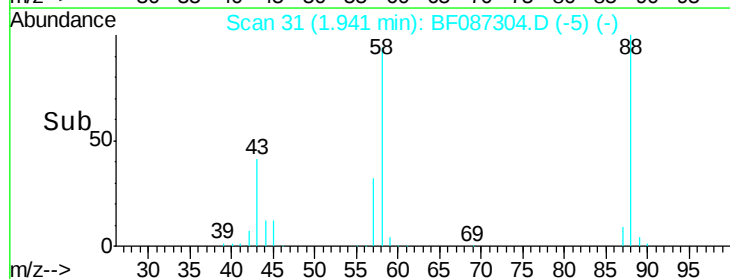
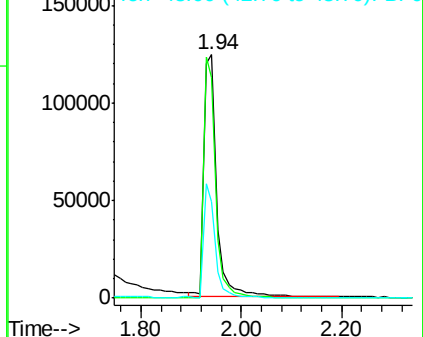
43 42.8 21.8 32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





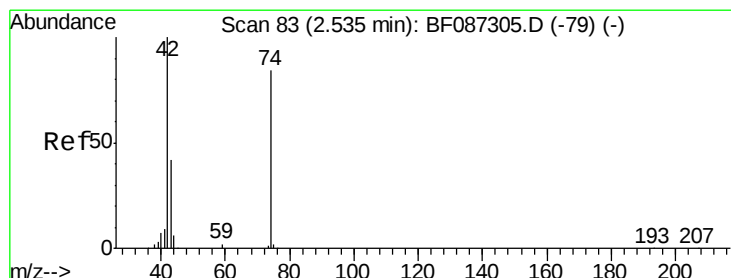
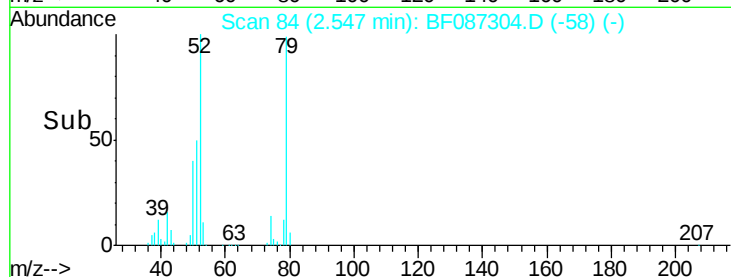
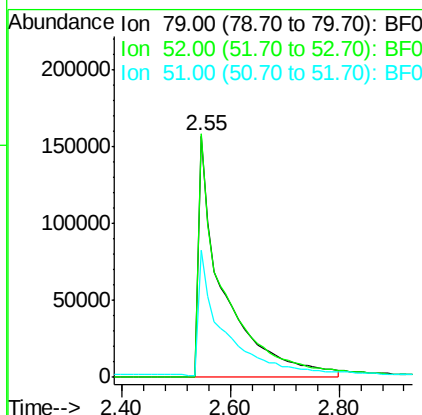
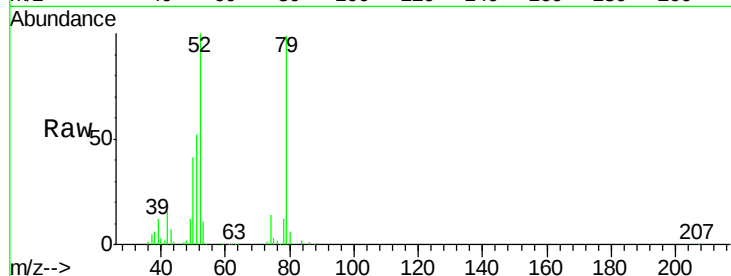
#3  
 Pyridine  
 Concen: 47.48 ng  
 RT: 2.55 min Scan# 84  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 100.8 | 55.9  | 83.9# |
| 51      | 52.8  | 28.1  | 42.1# |

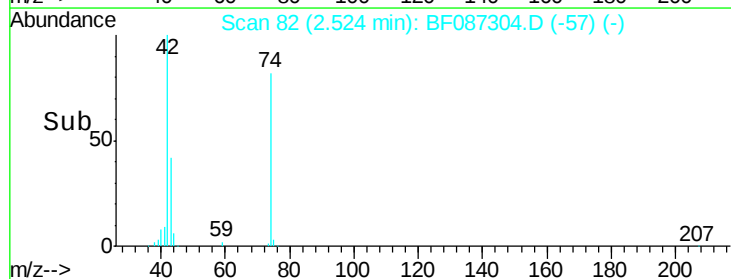
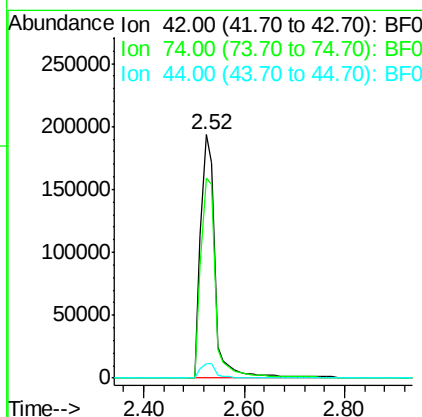
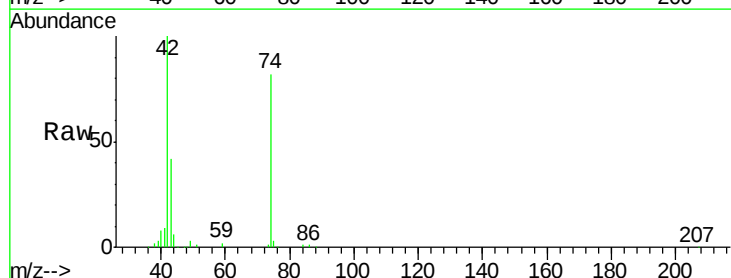
Manual Integrations  
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#4  
 n-Nitrosodimethylamine  
 Concen: 51.77 ng  
 RT: 2.52 min Scan# 82  
 Delta R.T. -0.01 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 82.3  | 123.4 | 185.0# |
| 44      | 6.1   | 5.8   | 8.6    |





#5

2-Fluorophenol

Concen: 101.47 ng

RT: 5.52 min Scan# 344

Delta R.T. -0.00 min

Lab File: BF087304.D

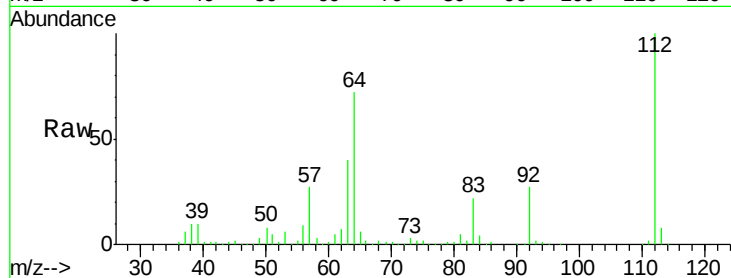
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

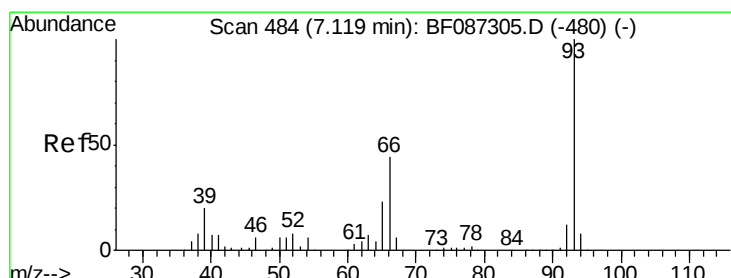
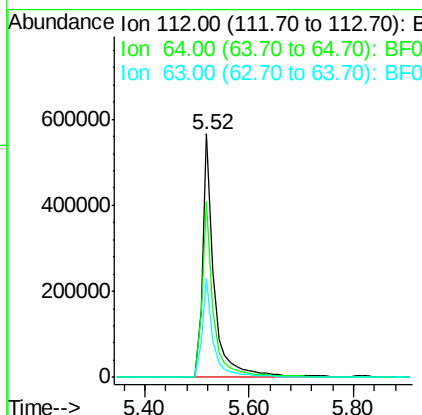
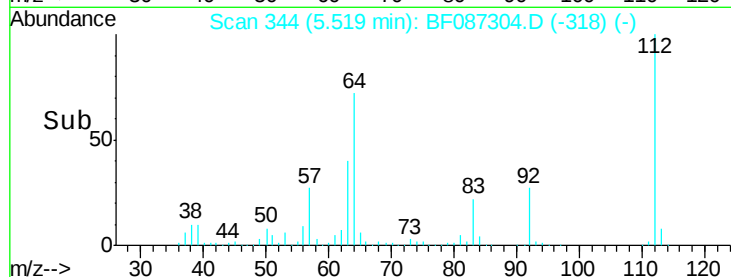
SSTDICC050



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 876912 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 72.3  | 52.1  | 78.1   |
| 63        | 40.4  | 25.7  | 38.5#  |

Manual Integrations  
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#6

Aniline

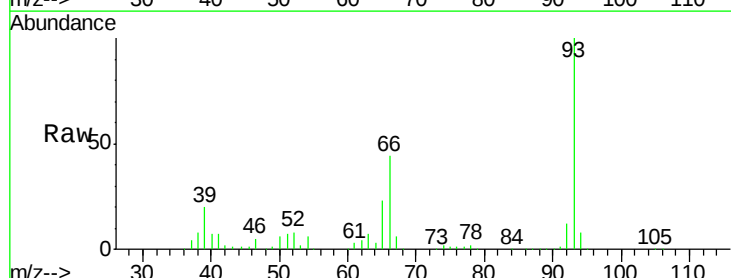
Concen: 49.90 ng

RT: 7.12 min Scan# 484

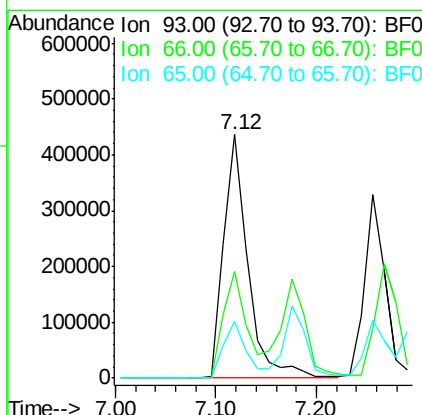
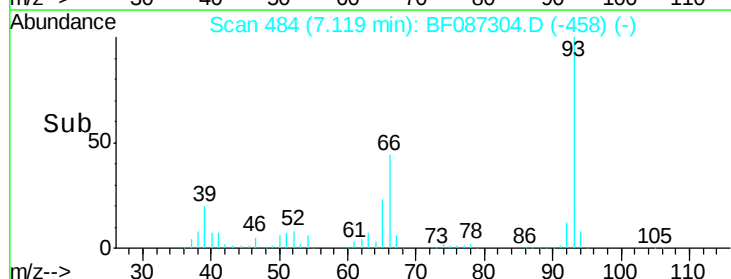
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 733829 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 44.1  | 39.0  | 58.6   |
| 65        | 23.1  | 20.6  | 31.0   |





#7

Phenol-d6

Concen: 96.34 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion: 99 Resp: 1106014

Ion Ratio Lower Upper

99 100

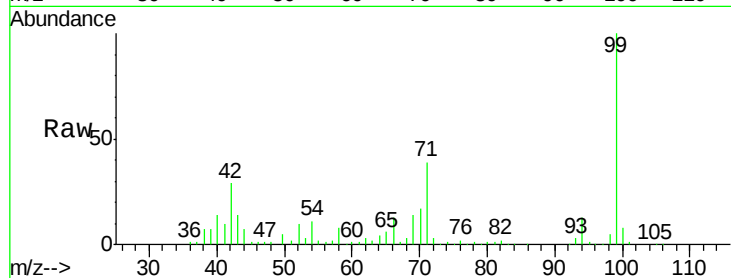
42 29.0 13.6 20.4#

71 39.0 24.6 36.8#

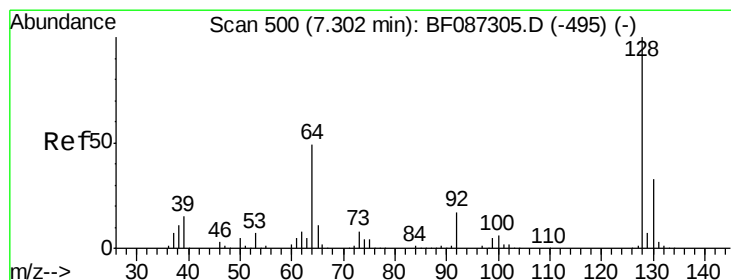
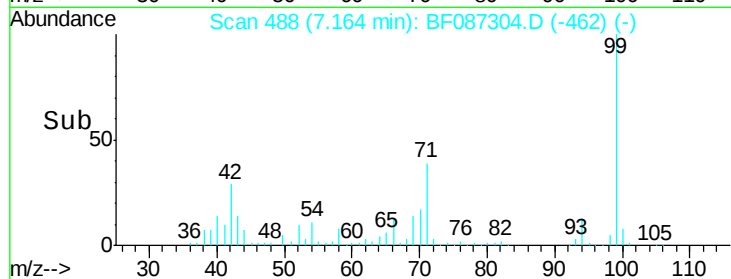
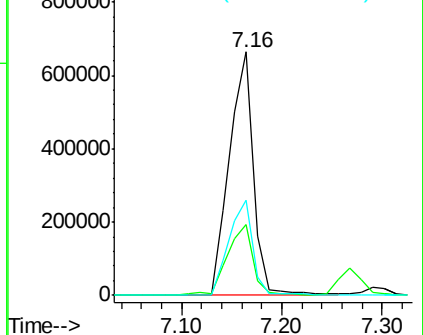
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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 48.37 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

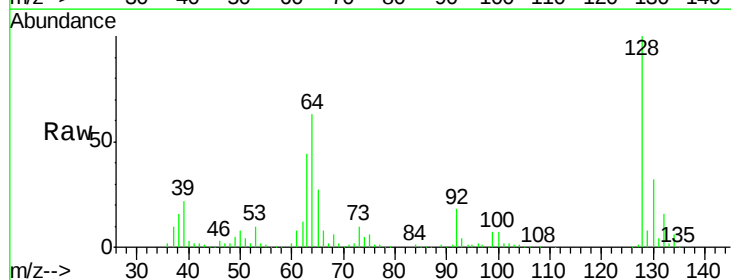
Tgt Ion: 128 Resp: 505304

Ion Ratio Lower Upper

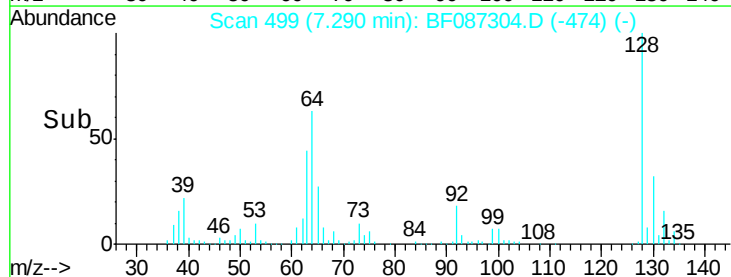
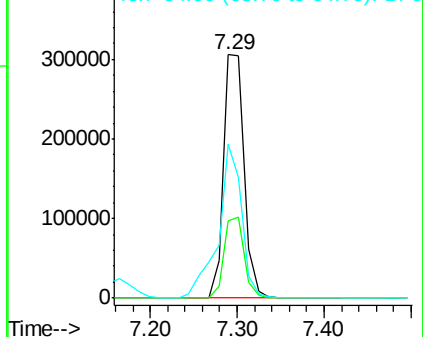
128 100

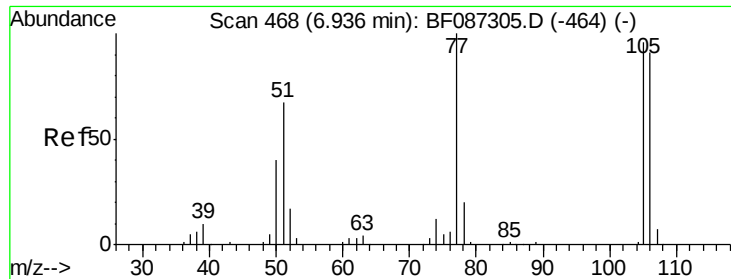
130 31.6 12.5 52.5

64 63.2 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 42.13 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF087304.D

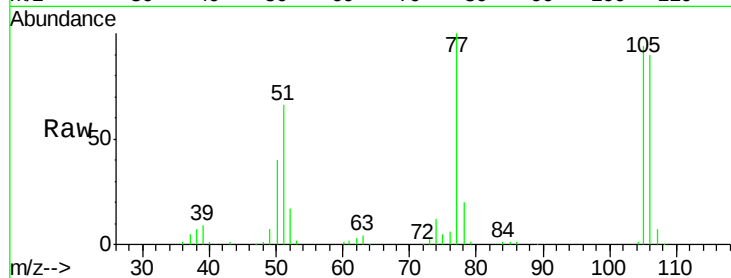
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



Tgt Ion: 77 Resp: 274909

Ion Ratio Lower Upper

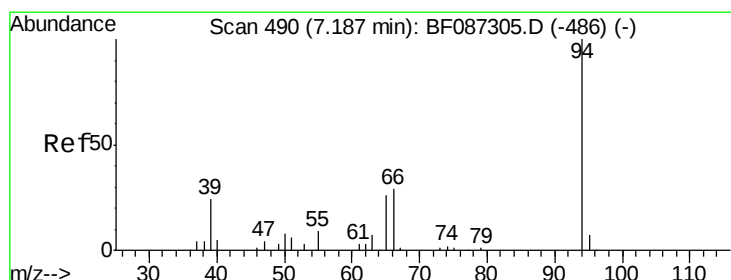
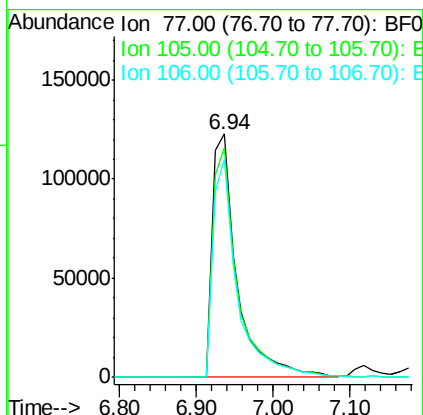
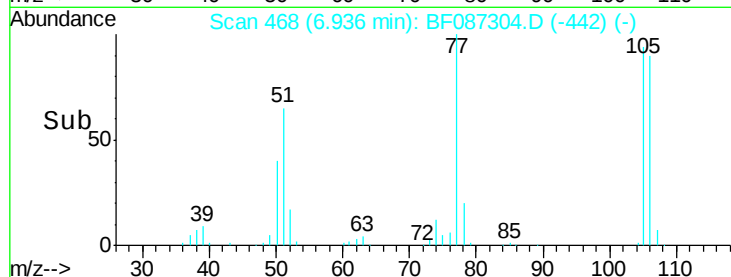
77 100

105 94.3 72.7 112.7

106 89.8 70.8 110.8

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#10

Phenol

Concen: 38.21 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

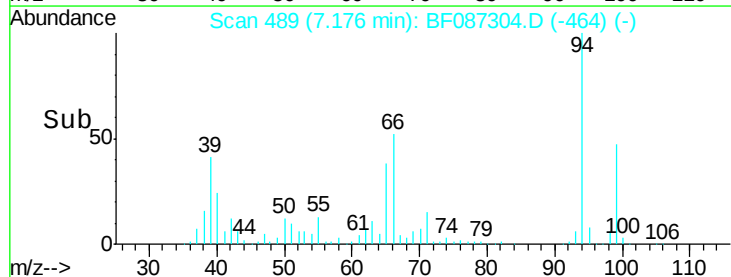
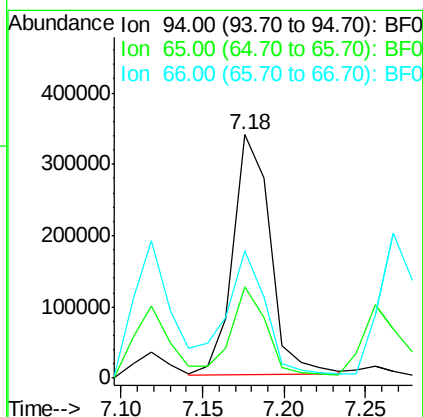
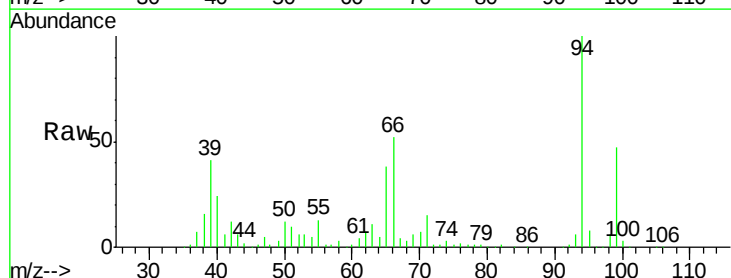
Tgt Ion: 94 Resp: 533386

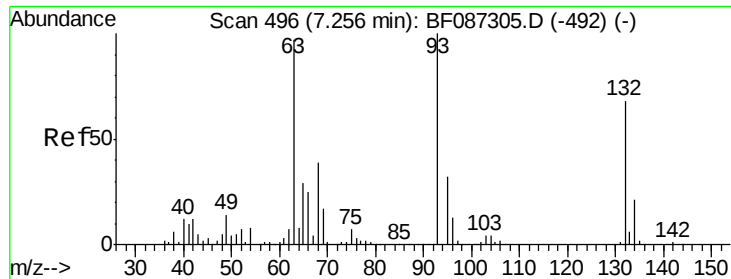
Ion Ratio Lower Upper

94 100

65 37.6 7.2 47.2

66 52.1 14.9 54.9





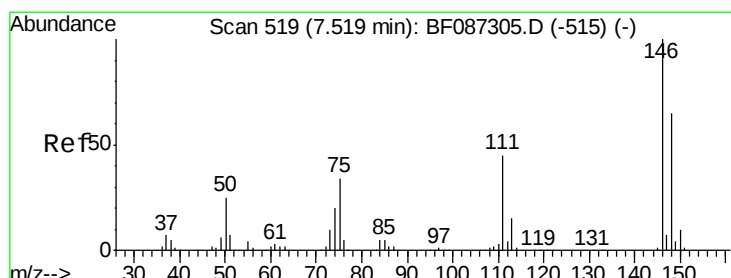
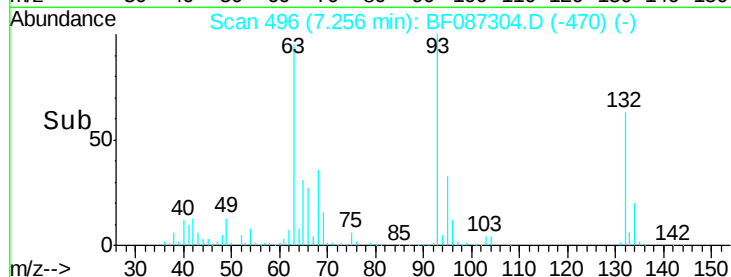
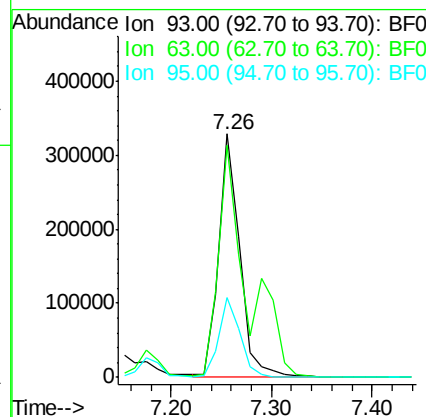
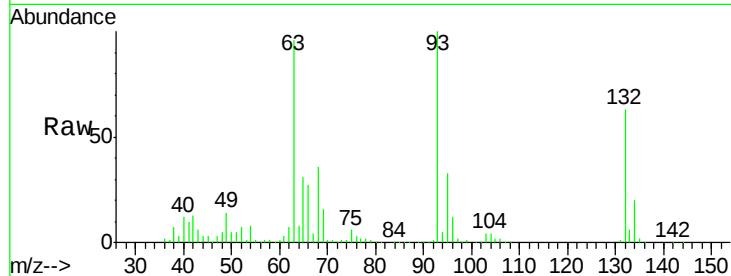
#11  
 bis(2-Chloroethyl)ether  
 Concen: 43.54 ng  
 RT: 7.26 min Scan# 496  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 474611 |       |       |
| 63      | 95.5  | 58.0   | 98.0  |       |
| 95      | 32.6  | 11.9   | 51.9  |       |

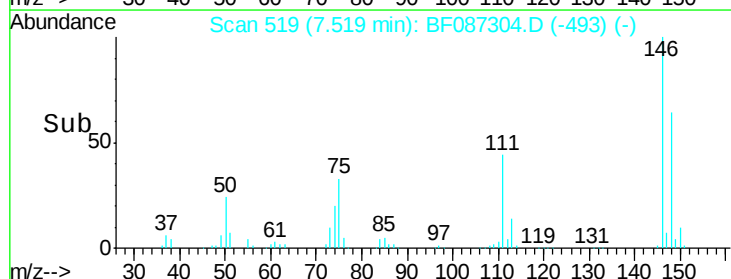
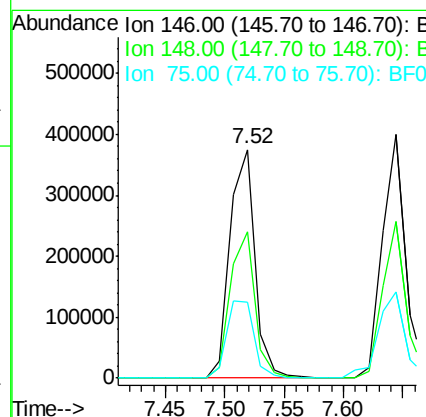
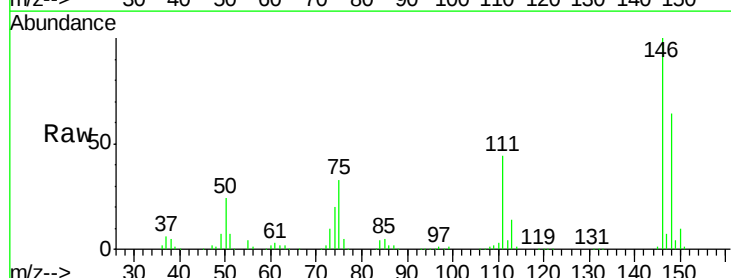
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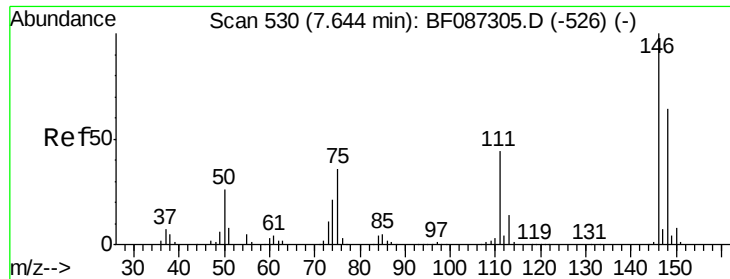
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#12  
 1,3-Dichlorobenzene  
 Concen: 49.45 ng  
 RT: 7.52 min Scan# 519  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 548622 |       |       |
| 148     | 64.4  | 52.4   | 78.6  |       |
| 75      | 33.1  | 22.8   | 34.2  |       |





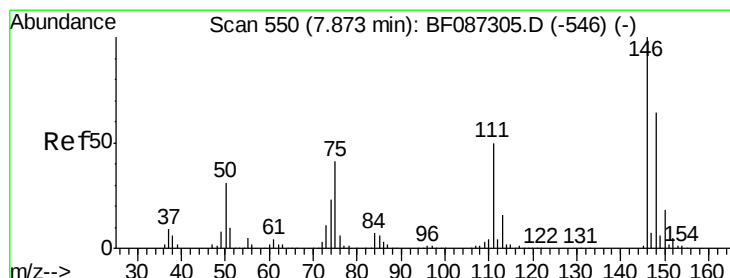
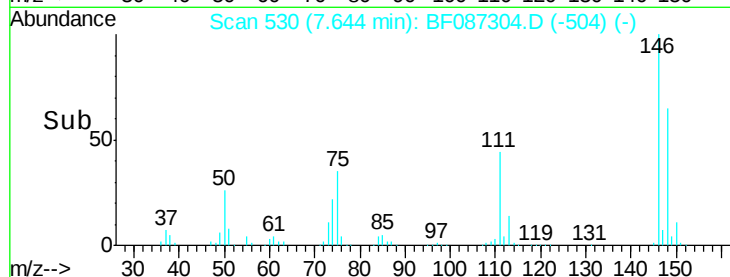
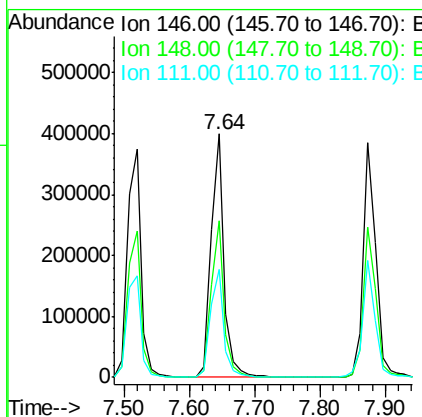
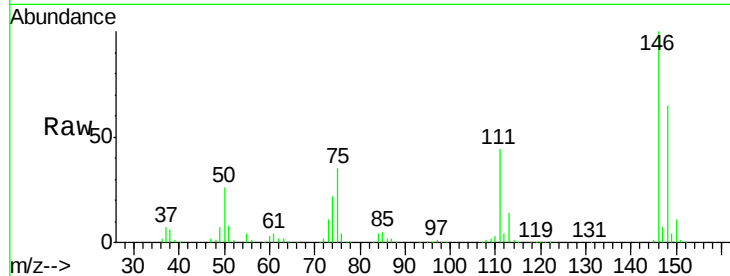
#13  
 1,4-Dichlorobenzene  
 Concen: 49.26 ng  
 RT: 7.64 min Scan# 530  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 561081 |       |       |
| 148     | 64.6  | 52.2   | 78.4  |       |
| 111     | 44.3  | 30.7   | 46.1  |       |

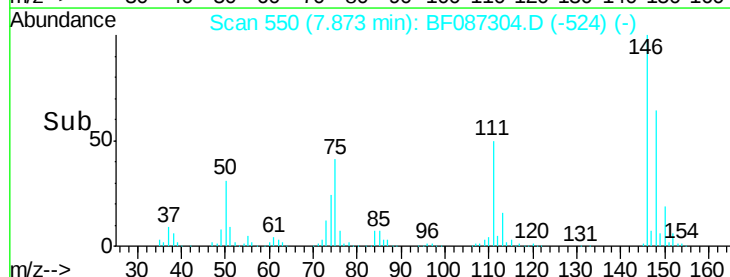
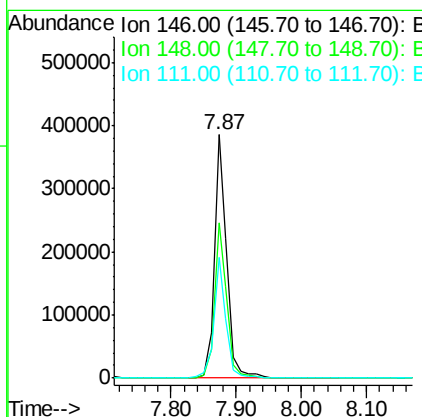
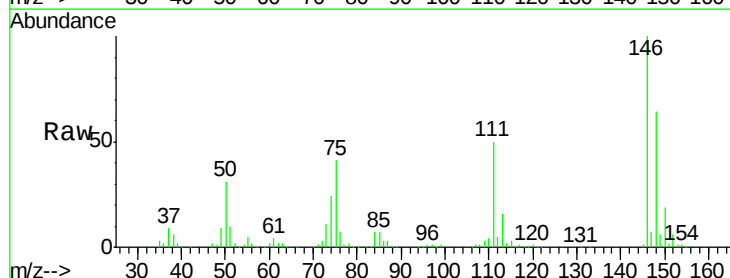
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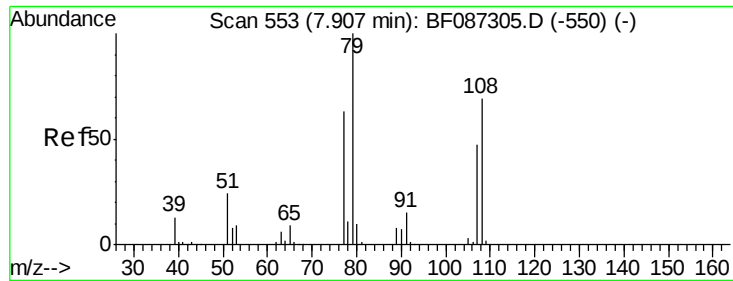
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#14  
 1,2-Dichlorobenzene  
 Concen: 50.45 ng  
 RT: 7.87 min Scan# 550  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 511884 |       |       |
| 148     | 63.9  | 51.0   | 76.6  |       |
| 111     | 49.8  | 36.2   | 54.4  |       |





#15

Benzyl Alcohol

Concen: 50.07 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion: 79 Resp: 428208  
Ion Ratio Lower Upper

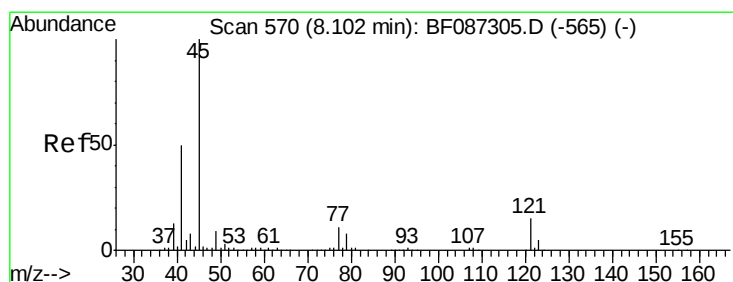
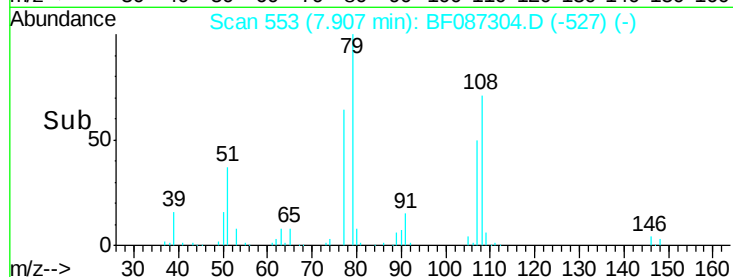
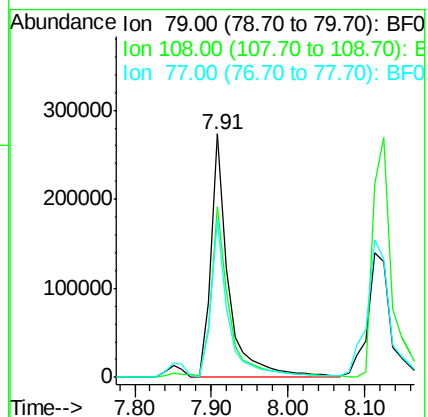
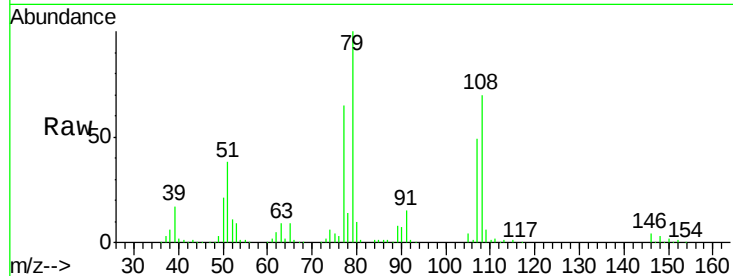
79 100

108 69.9 68.4 102.6

77 64.7 50.6 76.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.34 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF087304.D

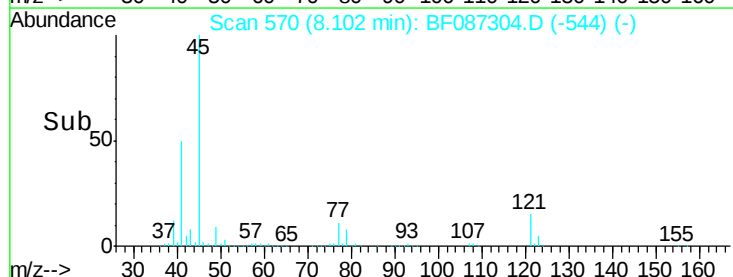
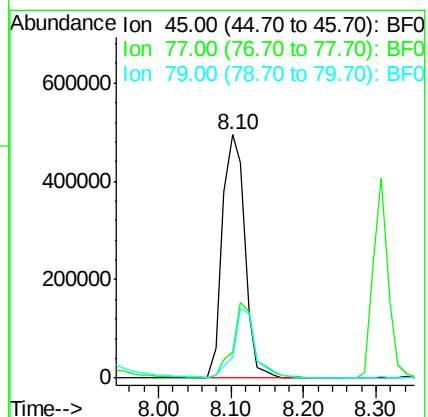
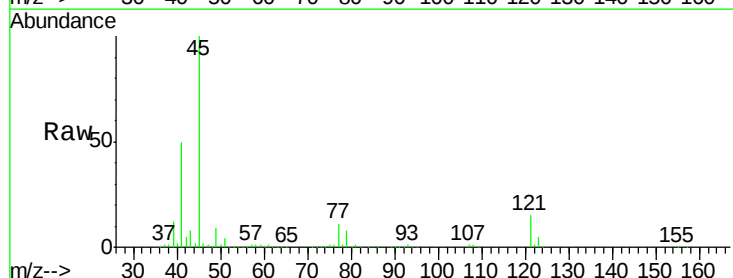
Acq: 23 May 2016 17:08

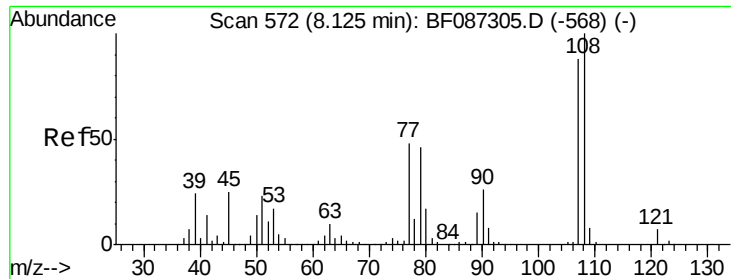
Tgt Ion: 45 Resp: 1063510  
Ion Ratio Lower Upper

45 100

77 10.7 0.0 36.4

79 8.3 0.0 33.4





#17

2-Methylphenol

Concen: 46.95 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF087304.D

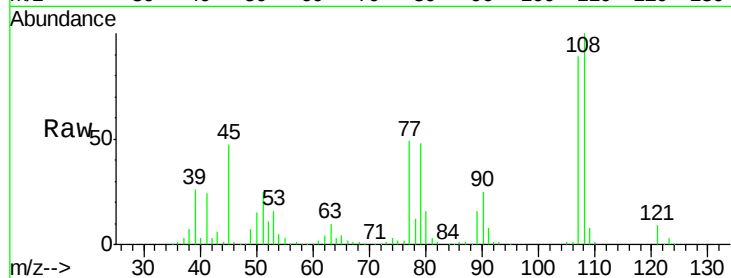
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

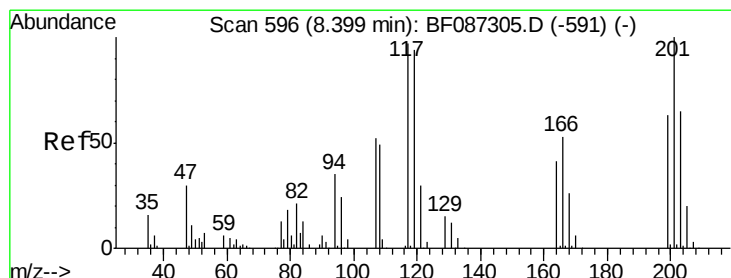
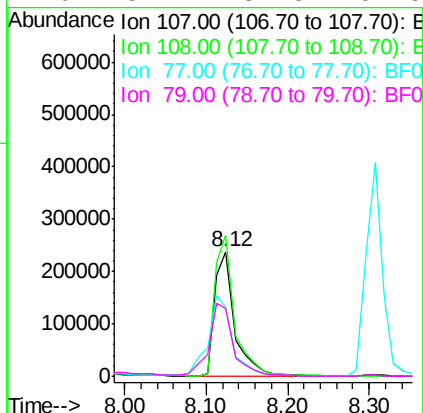
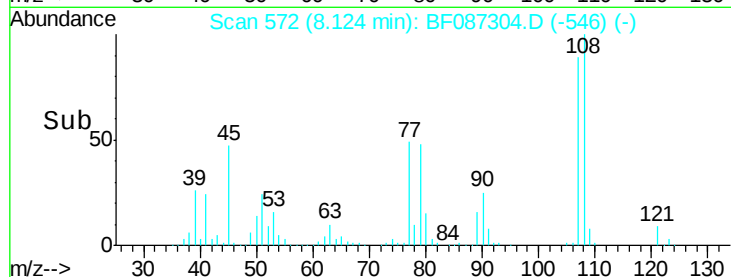
SSTDIC050



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 400669 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.9 | 93.7  | 140.5  |
| 77        | 55.8  | 33.4  | 50.0#  |
| 79        | 54.4  | 34.3  | 51.5#  |

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#18

Hexachloroethane

Concen: 49.19 ng

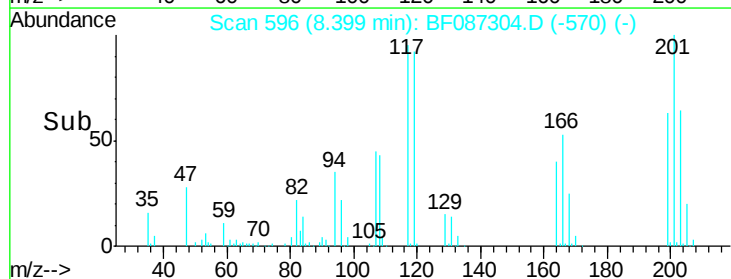
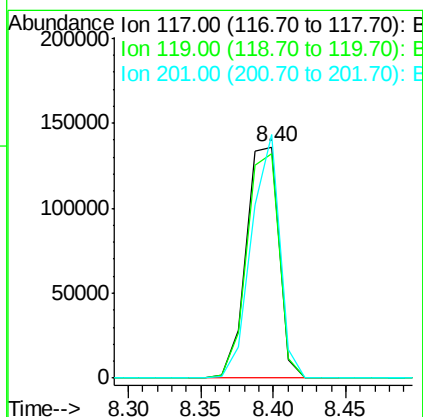
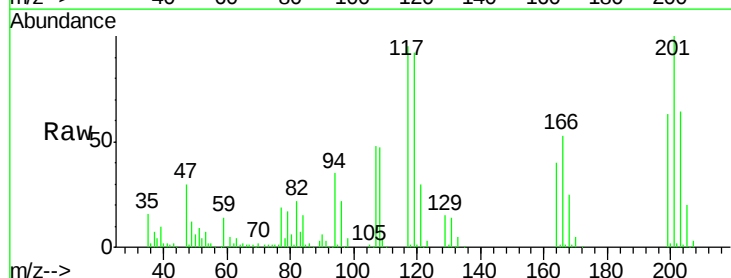
RT: 8.40 min Scan# 596

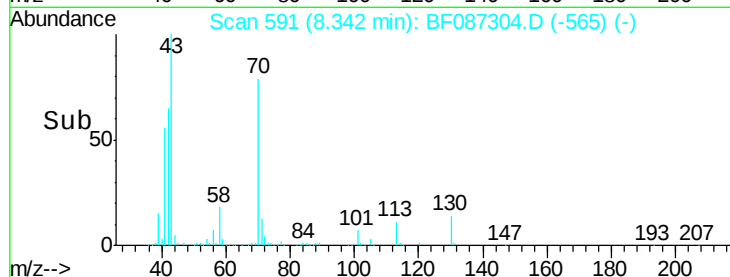
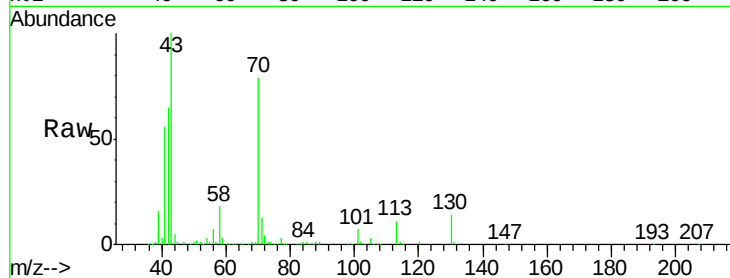
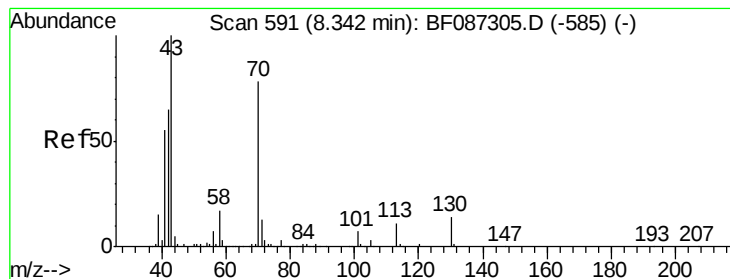
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 213084 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 97.2  | 76.5  | 114.7  |
| 201       | 105.4 | 63.0  | 94.6#  |





#19

n-Nitroso-di-n-propylamine

Concen: 47.73 ng

RT: 8.34 min Scan# 591

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

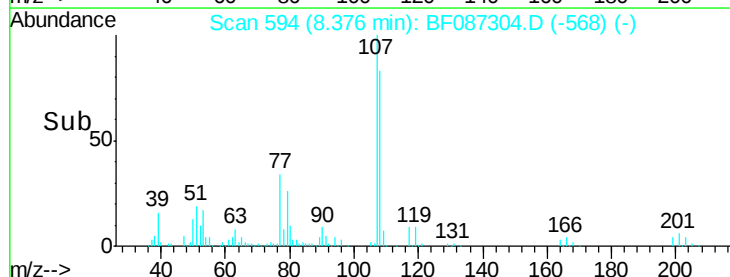
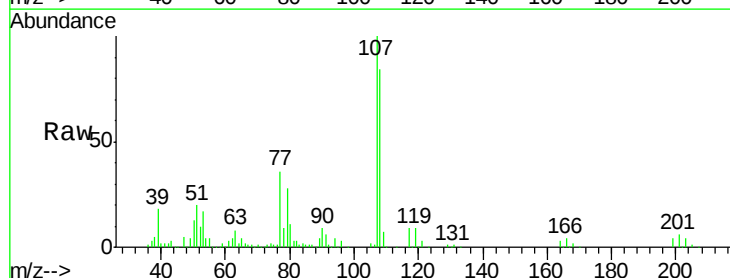
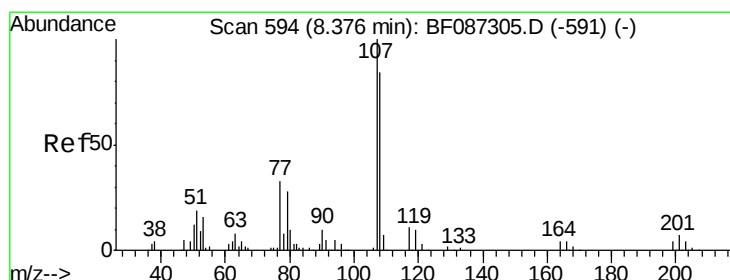
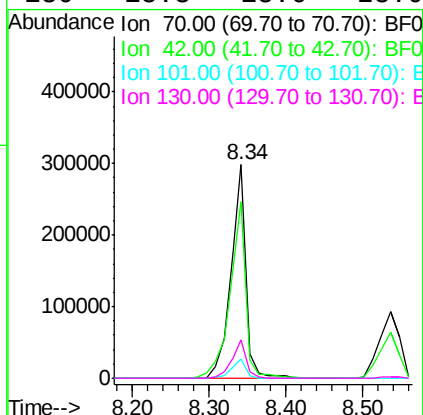
ClientSampleId :

SSTDICC050

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 82.5  | 43.1  | 64.7# |
| 101     | 9.1   | 8.1   | 12.1  |
| 130     | 18.3  | 18.6  | 28.0# |



#20

3+4-Methylphenols

Concen: 46.26 ng

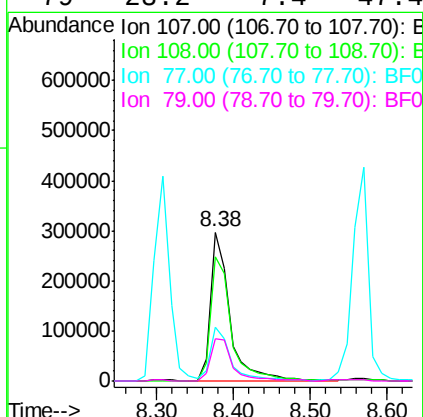
RT: 8.38 min Scan# 594

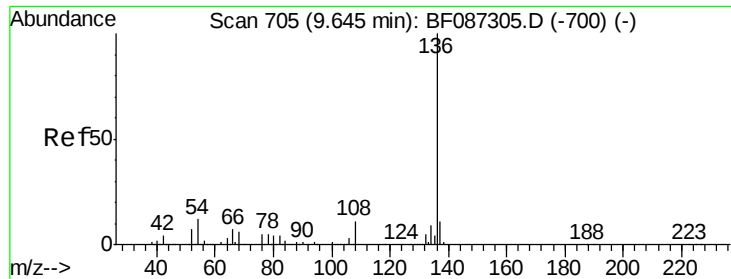
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 83.5  | 68.5  | 108.5  |
| 77      | 36.1  | 101.6 | 141.6# |
| 79      | 28.2  | 7.4   | 47.4   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

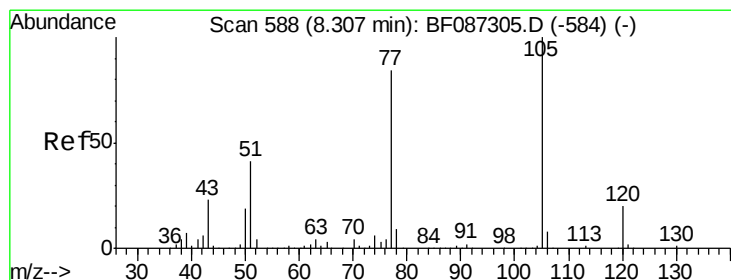
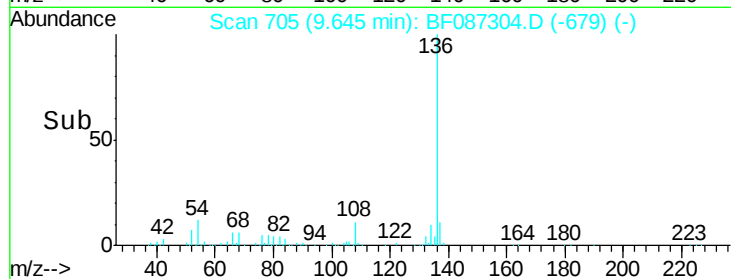
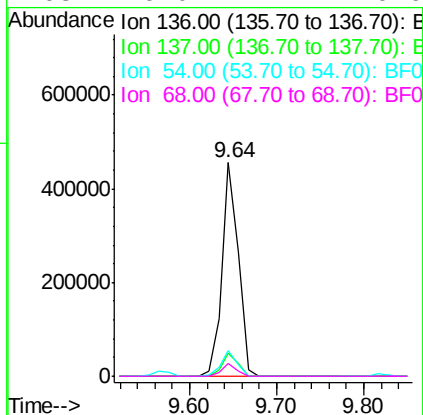
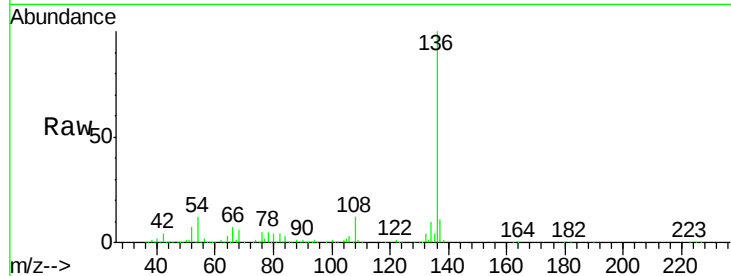
ClientSampleId :

SSTDICC050

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 136 | 100  |       | 598902 |       |       |
| 137 | 11.0 |       | 8.8    | 13.2  |       |
| 54  | 11.9 |       | 5.0    | 7.4   |       |
| 68  | 6.0  |       | 4.4    | 6.6   |       |

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#22

Acetophenone

Concen: 48.07 ng

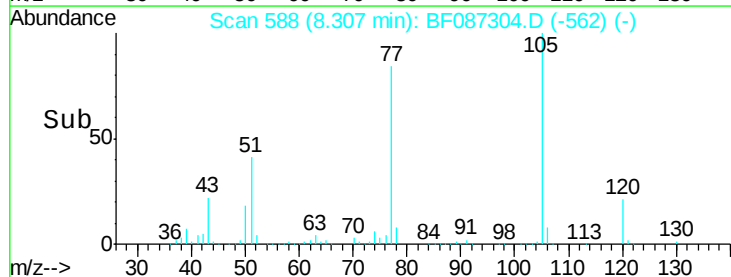
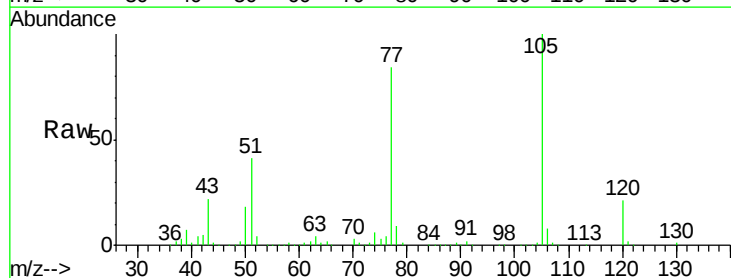
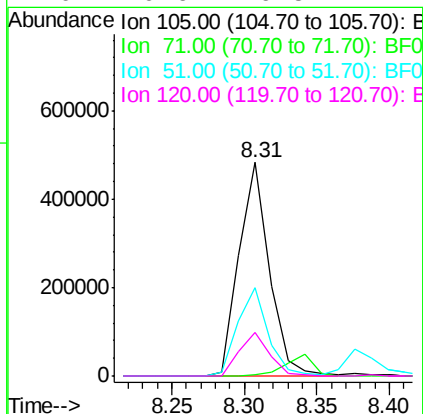
RT: 8.31 min Scan# 588

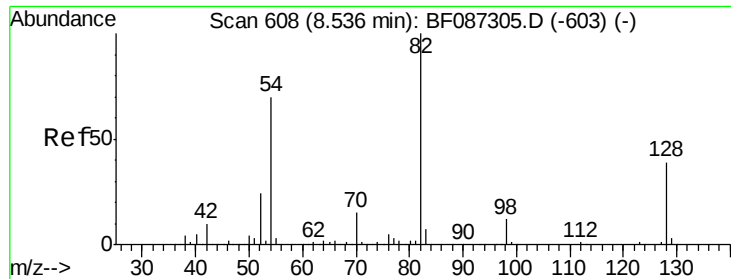
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 105 | 100  |       | 701190 |       |       |
| 71  | 0.6  |       | 4.8    | 7.2   |       |
| 51  | 41.2 |       | 32.6   | 49.0  |       |
| 120 | 20.6 |       | 16.5   | 24.7  |       |





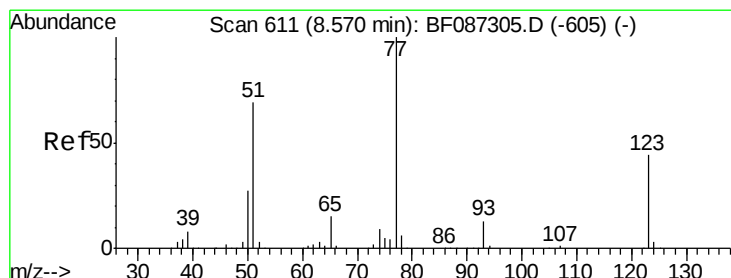
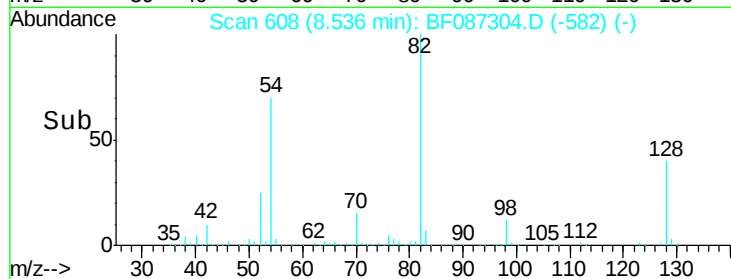
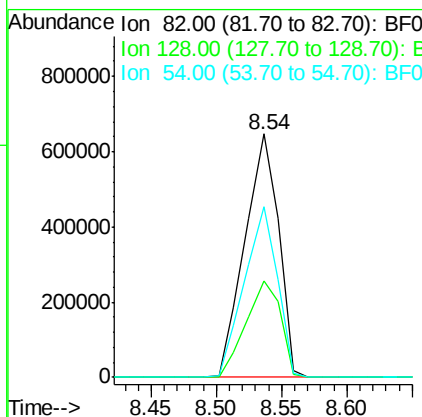
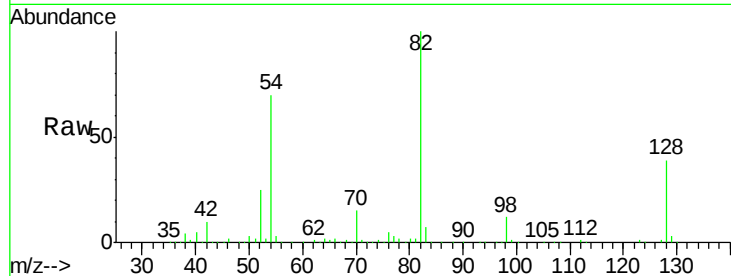
#23  
 Nitrobenzene-d5  
 Concen: 96.50 ng  
 RT: 8.54 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tgt Ion: 82 Resp: 1168930  
 Ion Ratio Lower Upper  
 82 100  
 128 39.5 40.6 61.0#  
 54 70.2 38.1 57.1#

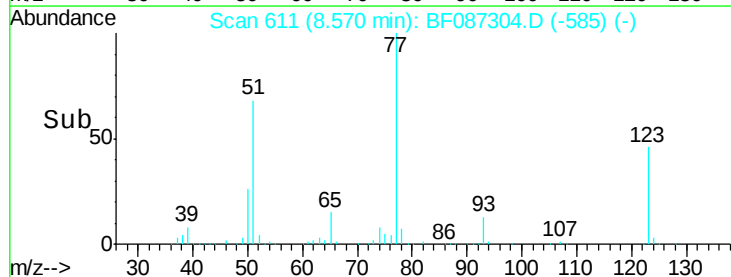
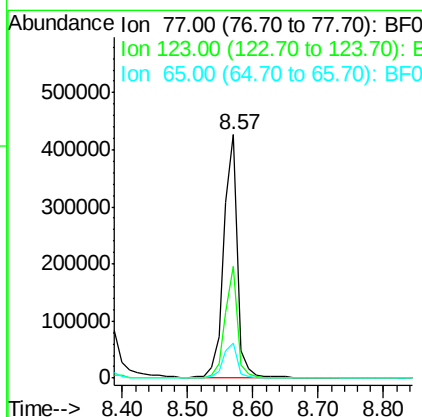
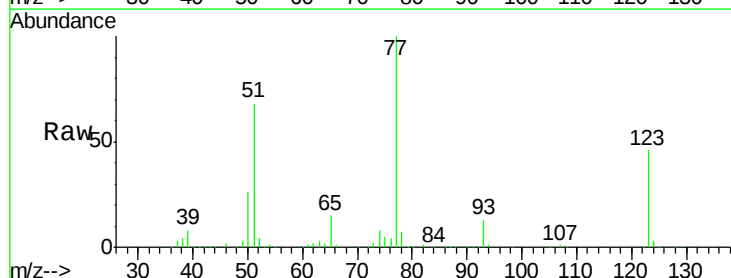
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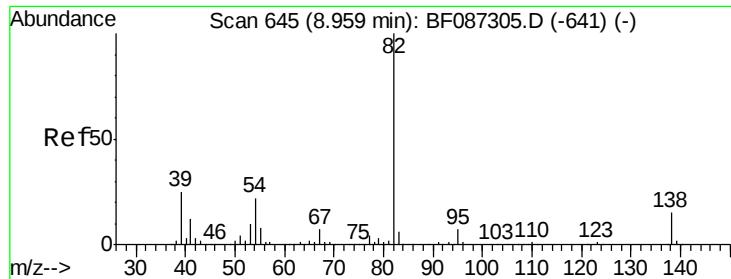
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#24  
 Nitrobenzene  
 Concen: 47.75 ng  
 RT: 8.57 min Scan# 611  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Tgt Ion: 77 Resp: 621344  
 Ion Ratio Lower Upper  
 77 100  
 123 45.8 33.0 49.4  
 65 14.6 10.8 16.2





#25

Isophorone

Concen: 47.41 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion: 82 Resp: 1040588

Ion Ratio Lower Upper

82 100

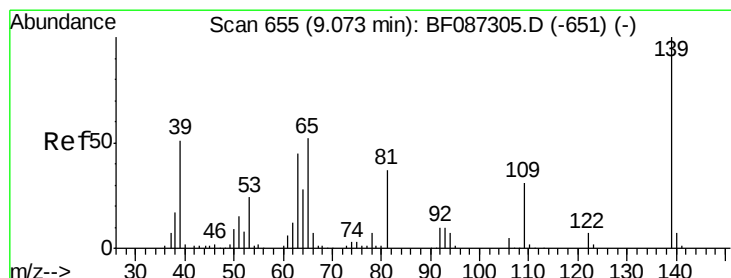
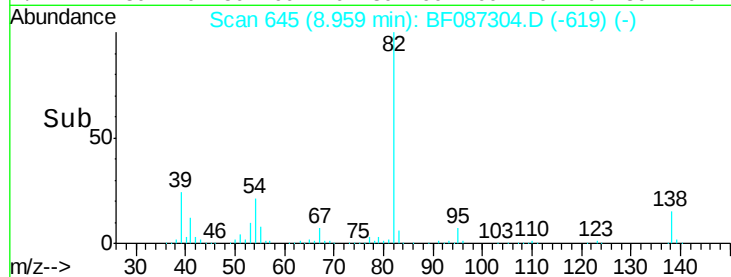
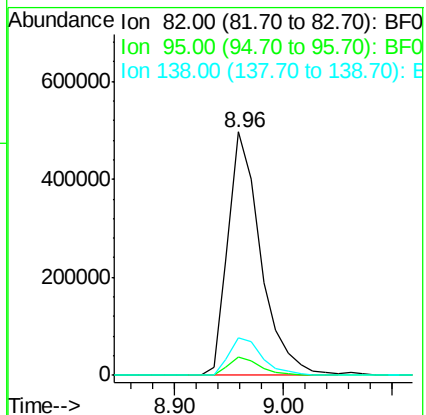
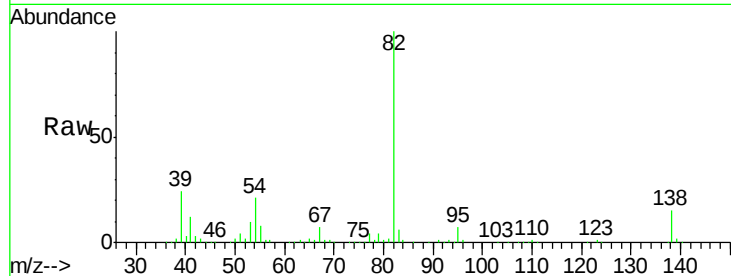
95 7.3 5.1 7.7

138 15.3 12.4 18.6

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#26

2-Nitrophenol

Concen: 48.63 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

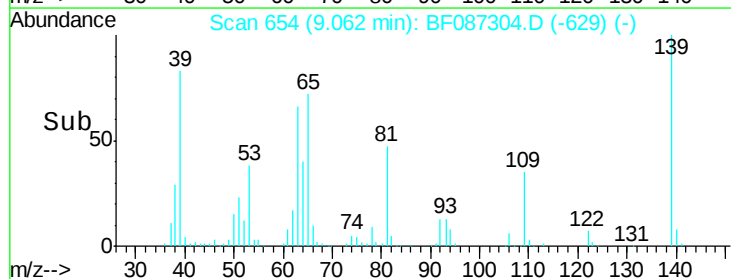
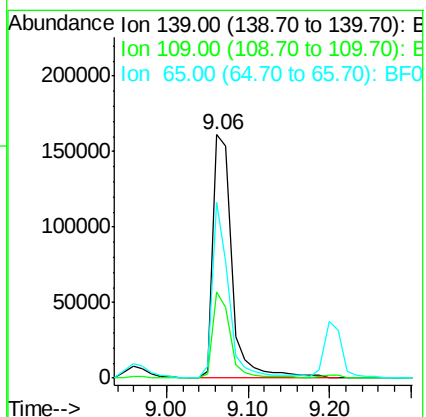
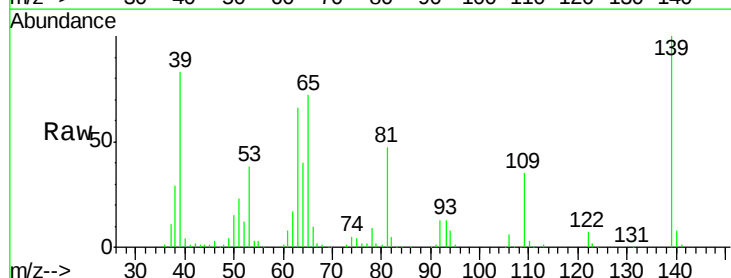
Tgt Ion: 139 Resp: 265499

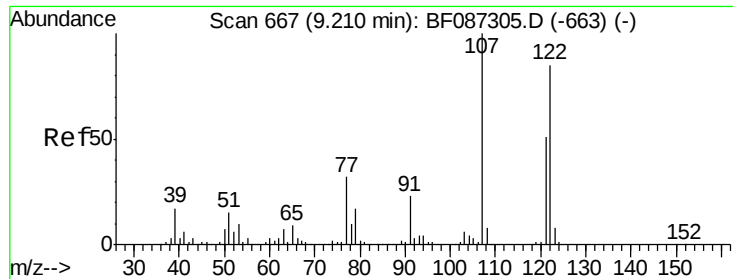
Ion Ratio Lower Upper

139 100

109 35.4 19.5 29.3#

65 72.4 37.5 56.3#





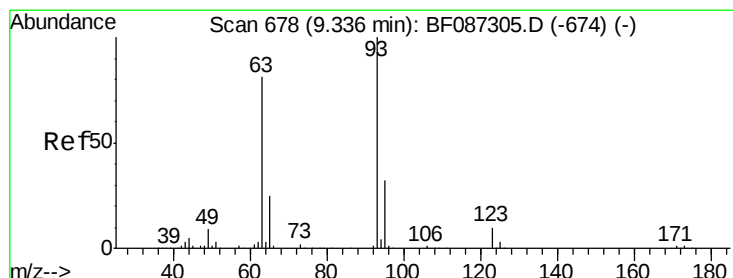
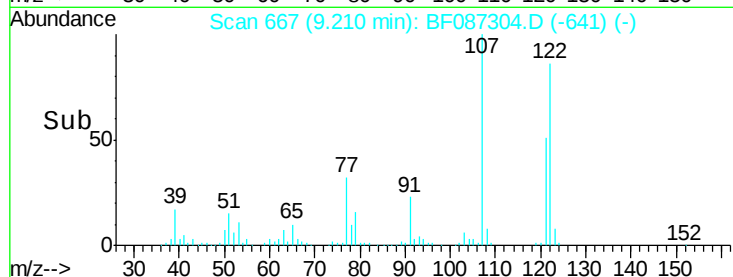
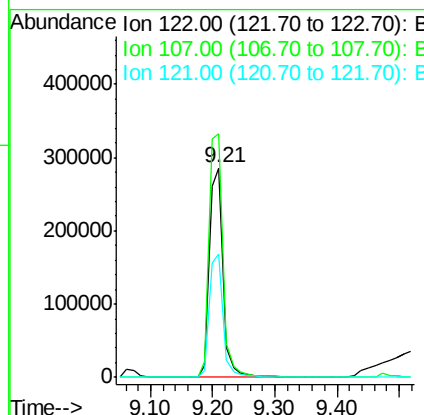
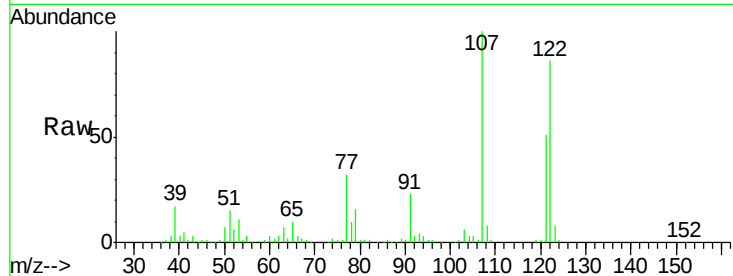
#27  
 2,4-Dimethylphenol  
 Concen: 47.13 ng  
 RT: 9.21 min Scan# 667  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 437370 |       |       |
| 107     | 116.2 | 82.0   | 123.0 |       |
| 121     | 59.0  | 46.1   | 69.1  |       |

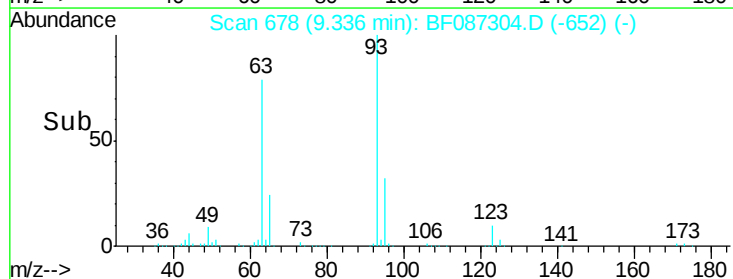
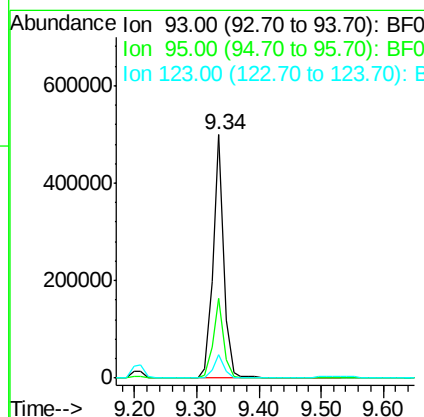
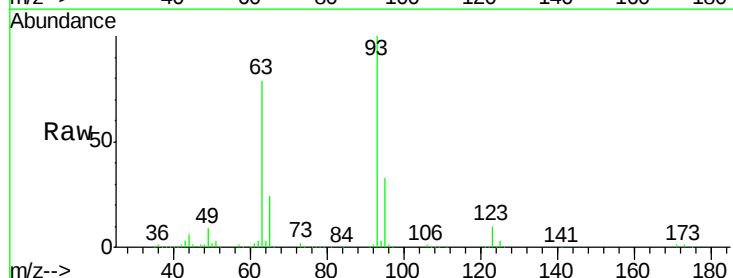
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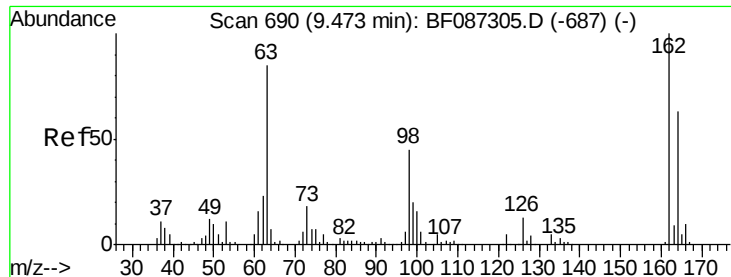
umangi  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.69 ng  
 RT: 9.34 min Scan# 678  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

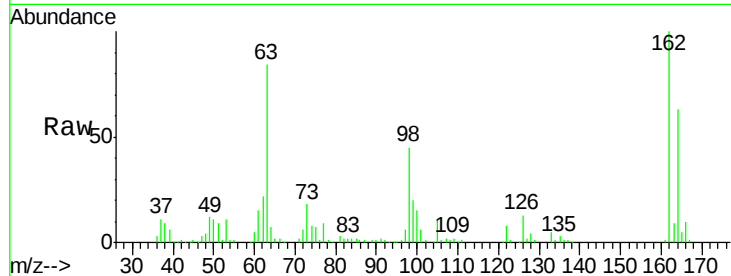
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 592638 |       |       |
| 95      | 32.5  | 26.0   | 39.0  |       |
| 123     | 9.8   | 9.5    | 14.3  |       |





#29  
 2,4-Dichlorophenol  
 Concen: 49.70 ng  
 RT: 9.47 min Scan# 690  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

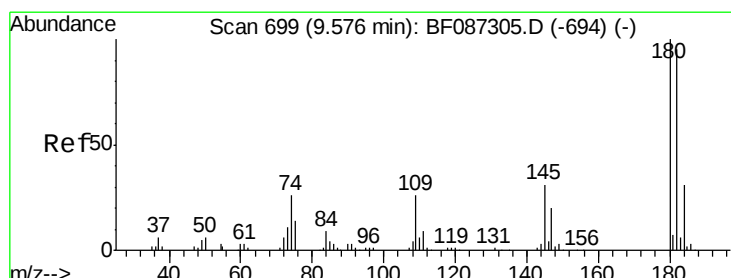
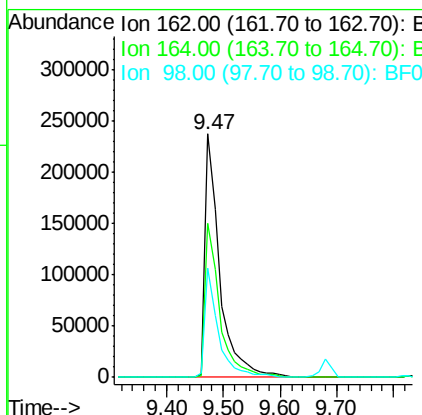
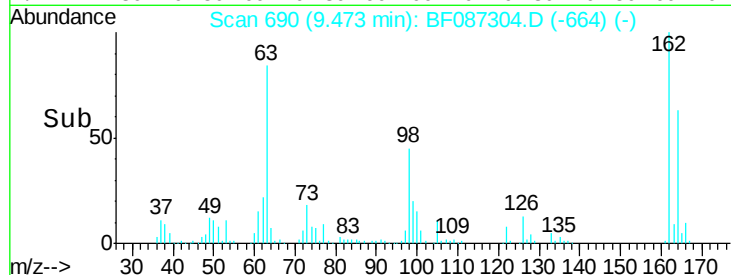
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 409274 |       |       |
| 164     | 63.4  | 42.2   | 82.2  |       |
| 98      | 44.9  | 19.0   | 59.0  |       |

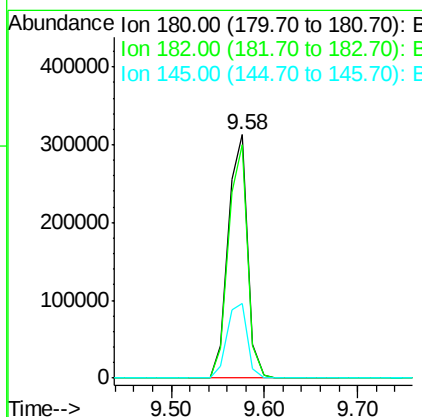
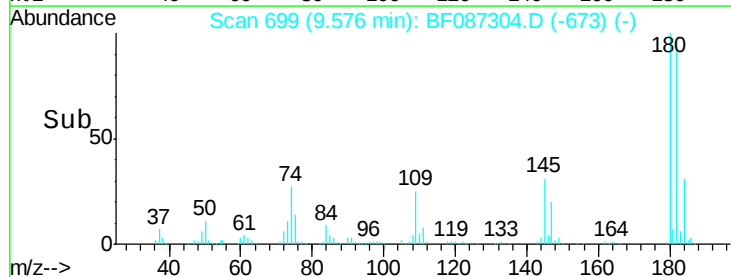
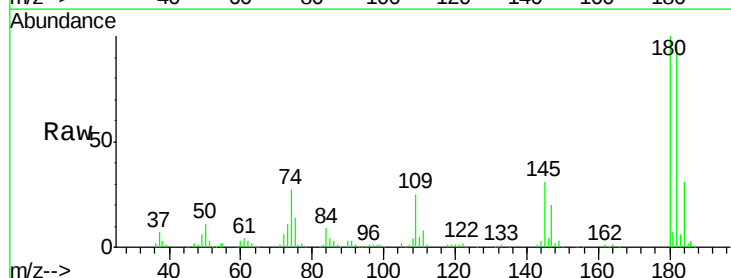
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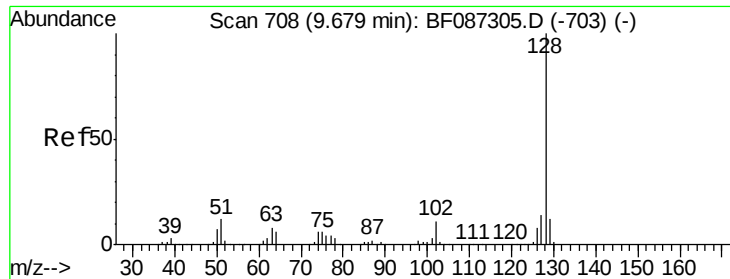
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.35 ng  
 RT: 9.58 min Scan# 699  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 452442 |       |       |
| 182     | 95.7  | 78.0   | 117.0 |       |
| 145     | 30.8  | 24.2   | 36.2  |       |





#31

Naphthalene

Concen: 48.57 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion:128 Resp: 1429741

Ion Ratio Lower Upper

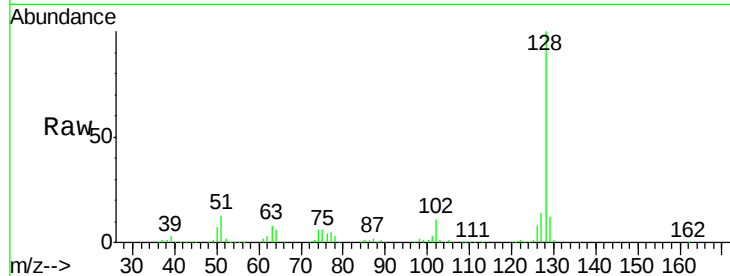
128 100

129 11.5 8.6 13.0

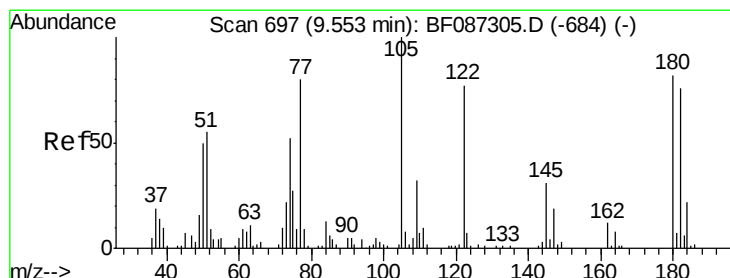
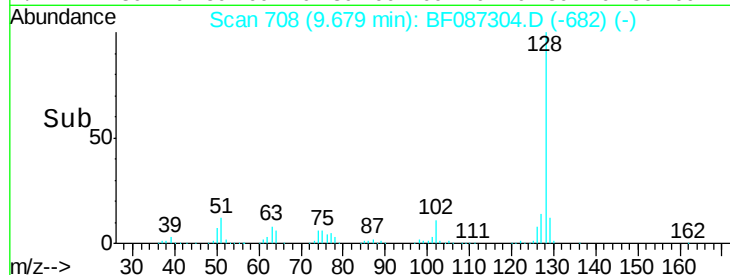
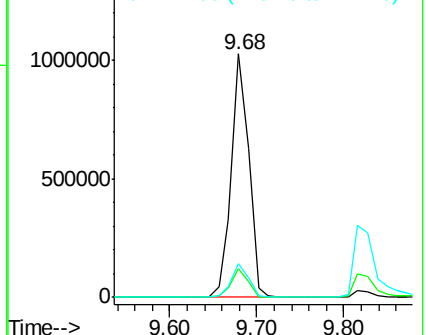
127 13.7 10.8 16.2

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.59 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

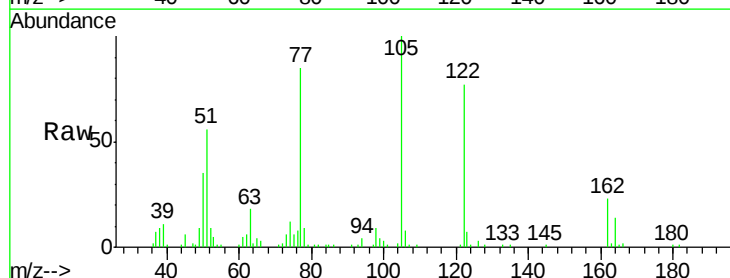
Tgt Ion:122 Resp: 211799

Ion Ratio Lower Upper

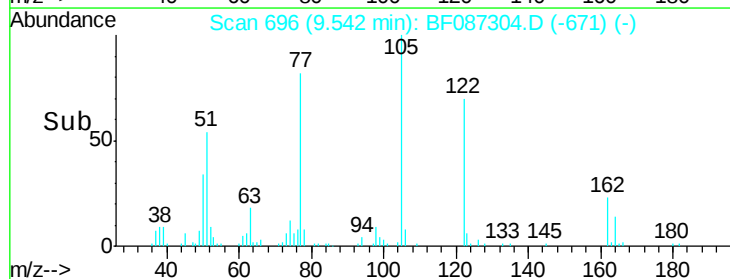
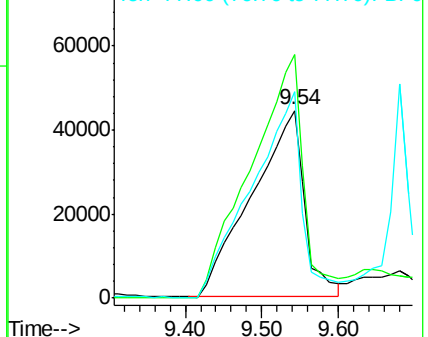
122 100

105 129.9 92.6 132.6

77 110.4 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





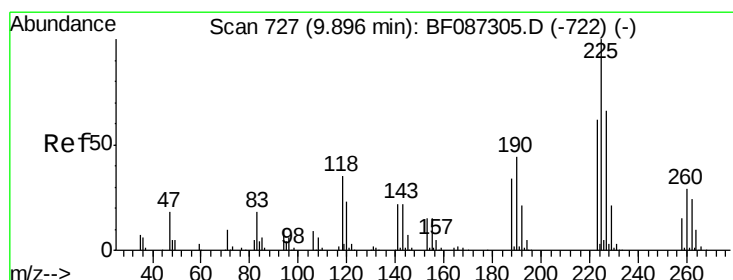
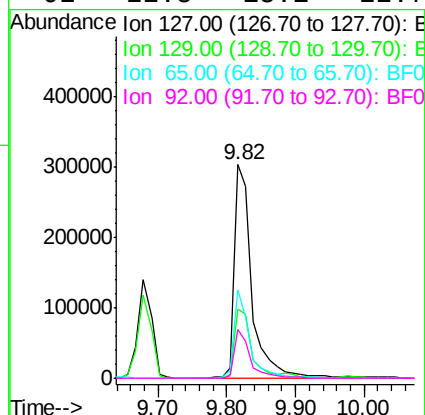
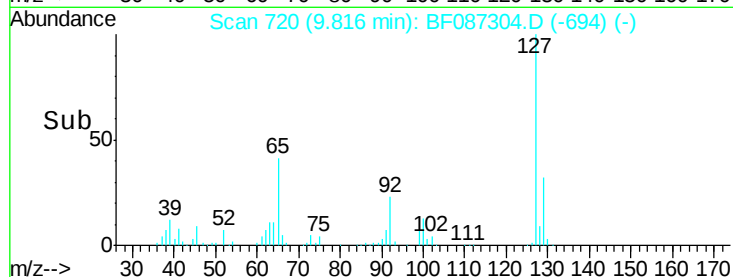
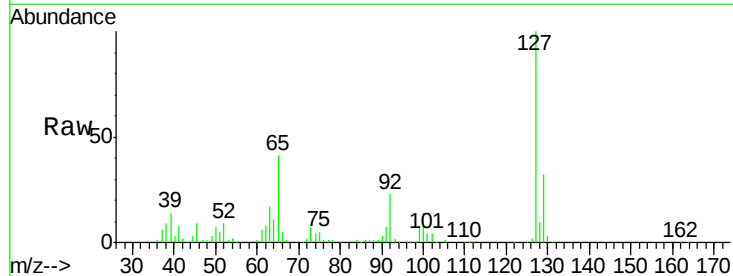
#33  
4-Chloroaniline  
Concen: 44.97 ng  
RT: 9.82 min Scan# 720  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.2  | 26.2 | 39.4  |       |
| 65      | 41.4  | 23.0 | 34.4  |       |
| 92      | 22.5  | 15.1 | 22.7  |       |

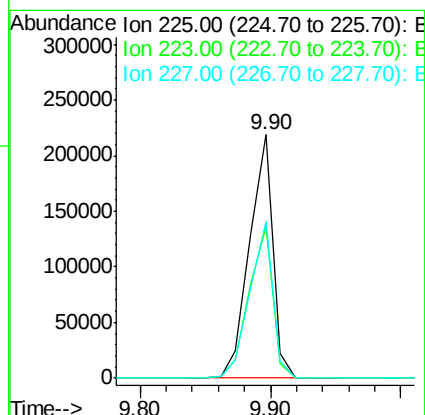
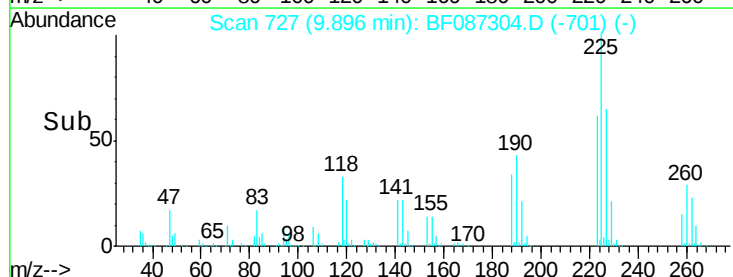
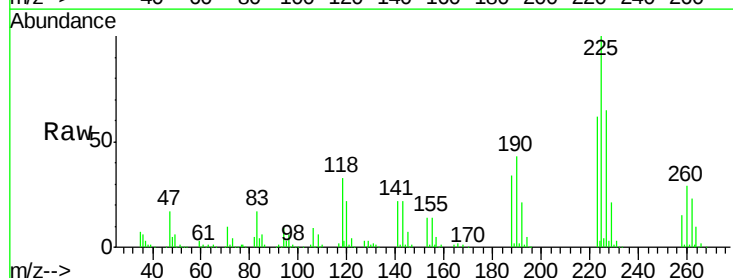
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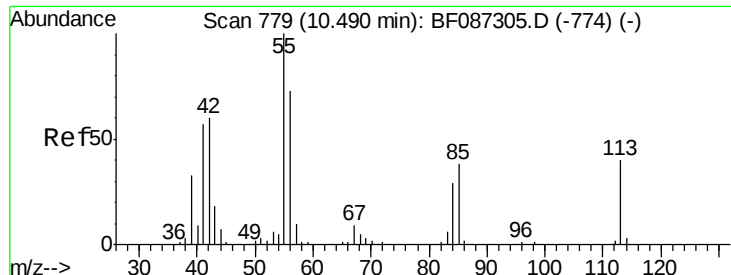
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#34  
Hexachlorobutadiene  
Concen: 51.89 ng  
RT: 9.90 min Scan# 727  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.0  | 51.5 | 77.3  |       |
| 227     | 64.6  | 52.2 | 78.2  |       |





#35

Caprolactam

Concen: 48.18 ng m

RT: 10.49 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF087304.D

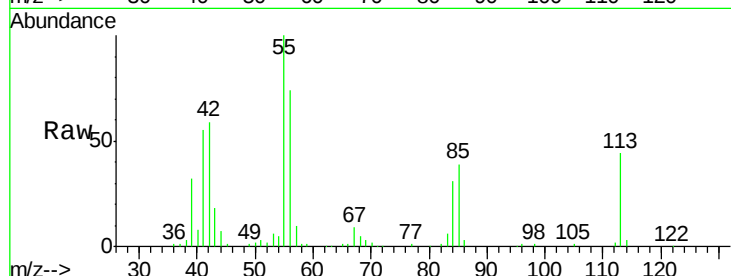
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050



Tgt Ion:113 Resp: 125052

Ion Ratio Lower Upper

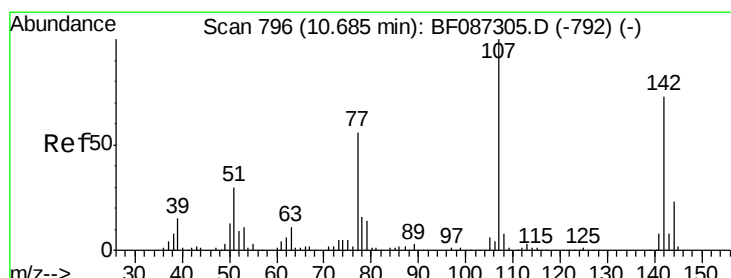
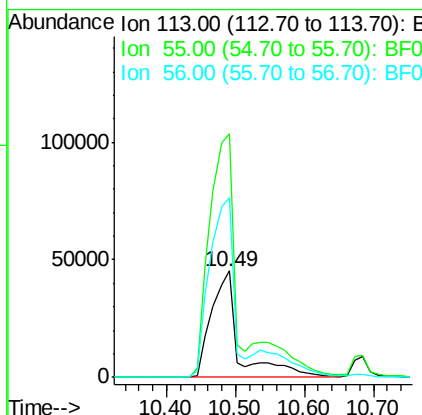
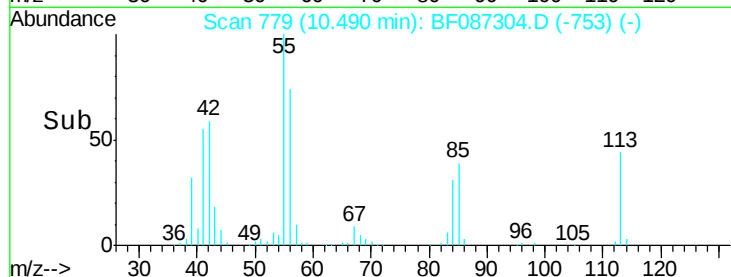
113 100

55 229.4 162.0 202.0#

56 168.6 115.3 155.3#

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#36

4-Chloro-3-methylphenol

Concen: 47.06 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

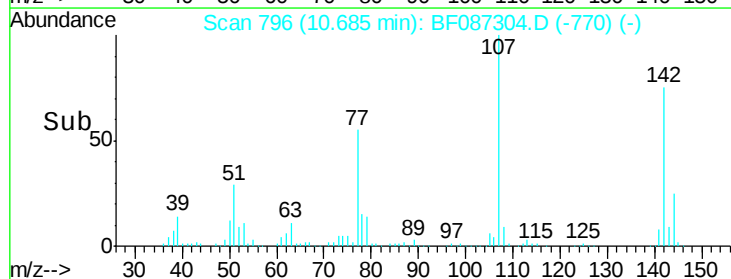
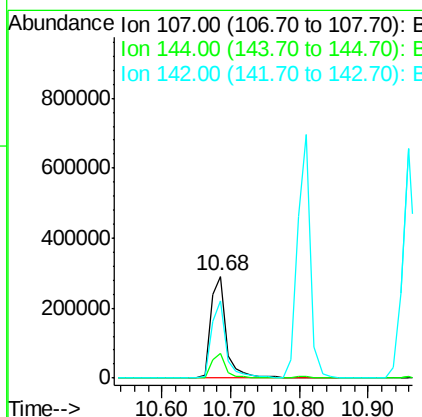
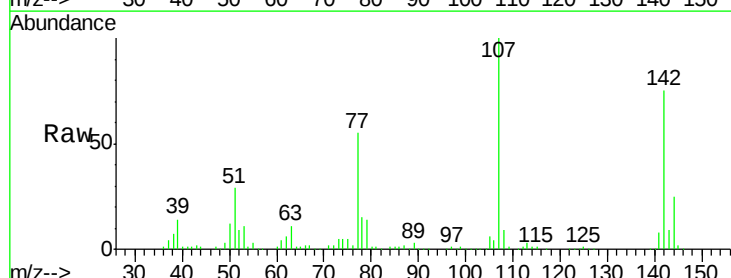
Tgt Ion:107 Resp: 463908

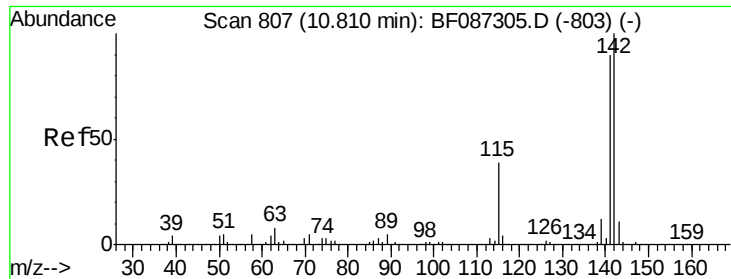
Ion Ratio Lower Upper

107 100

144 24.9 20.7 31.1

142 75.1 63.2 94.8





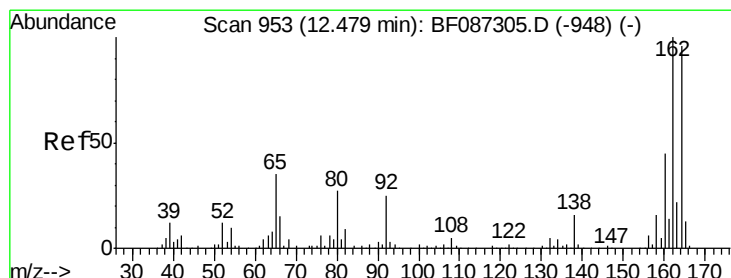
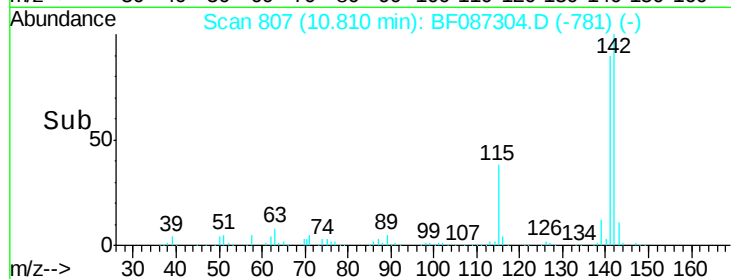
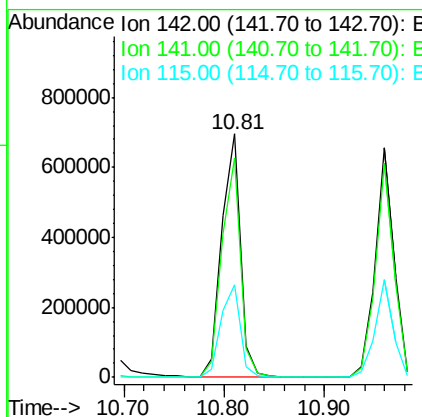
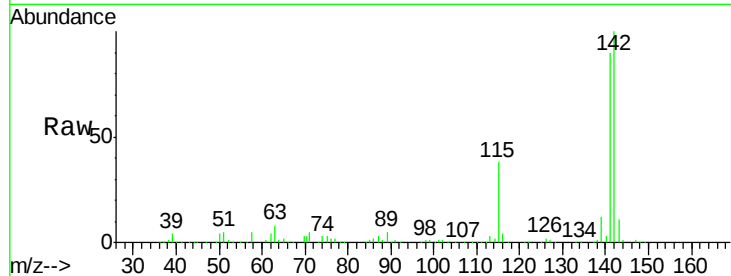
#37  
2-Methylnaphthalene  
Concen: 48.04 ng  
RT: 10.81 min Scan# 807  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 905132 |       |       |
| 141     | 90.3  | 71.0   | 106.6 |       |
| 115     | 38.1  | 26.6   | 39.8  |       |

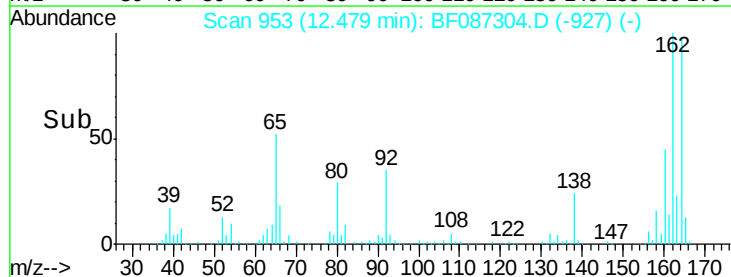
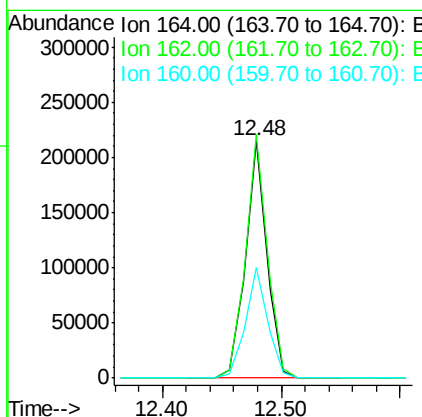
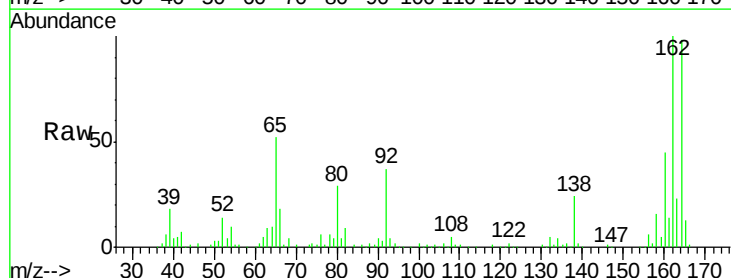
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.48 min Scan# 953  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 272246 |       |       |
| 162     | 102.4 | 82.8   | 124.2 |       |
| 160     | 46.3  | 36.9   | 55.3  |       |





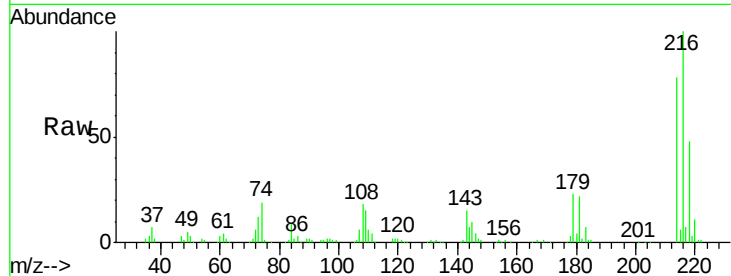
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 52.02 ng  
 RT: 11.08 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

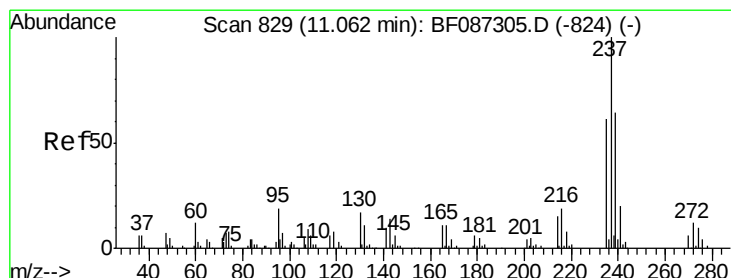
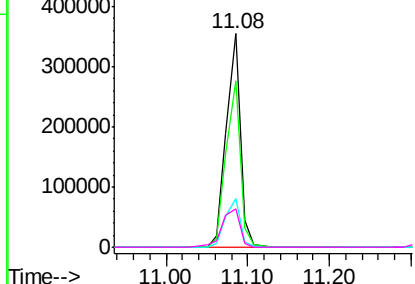
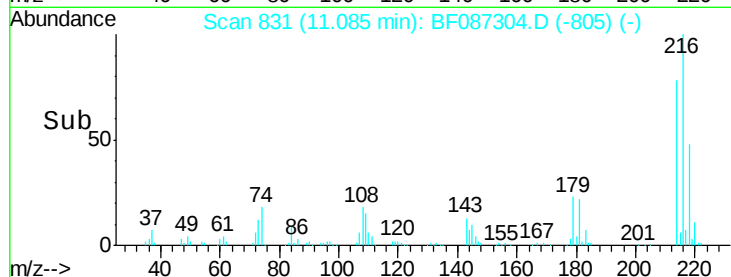
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 423877 |       |       |
| 214     | 79.1  | 62.6   | 93.8  |       |
| 179     | 24.0  | 18.2   | 27.4  |       |
| 108     | 22.7  | 17.5   | 26.3  |       |

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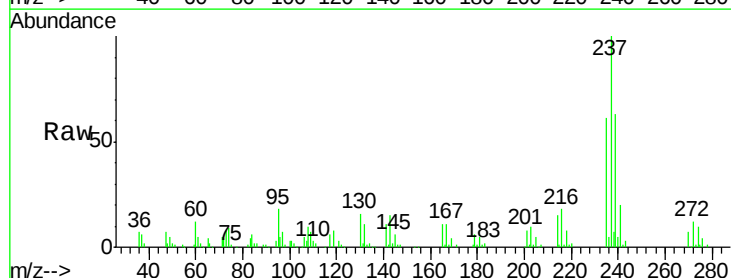


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

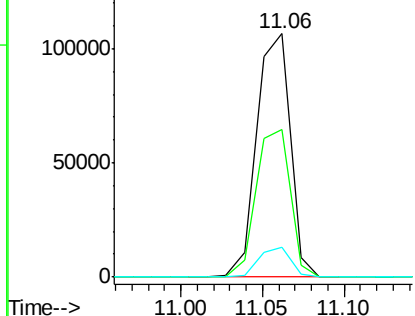
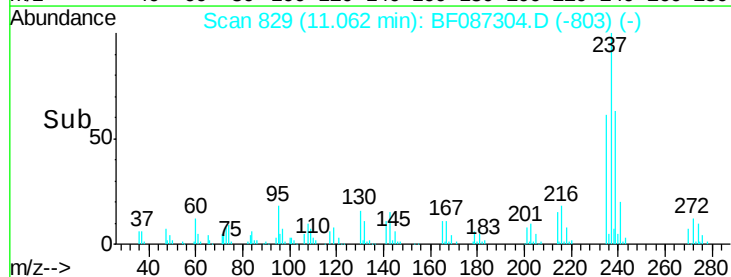


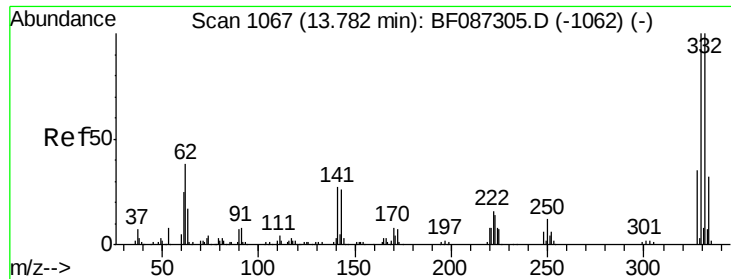
#40  
 Hexachlorocyclopentadiene  
 Concen: 60.61 ng  
 RT: 11.06 min Scan# 829  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 153135 |       |       |
| 235     | 60.7  | 47.2   | 87.2  |       |
| 272     | 12.3  | 0.0    | 31.1  |       |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E





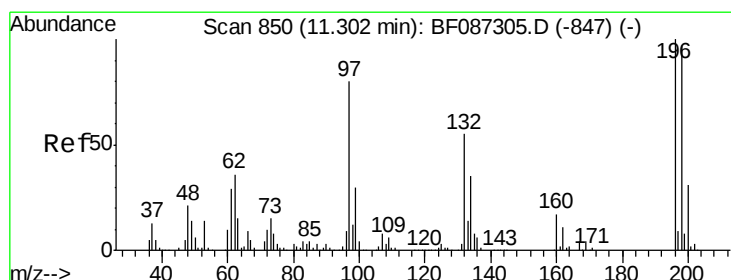
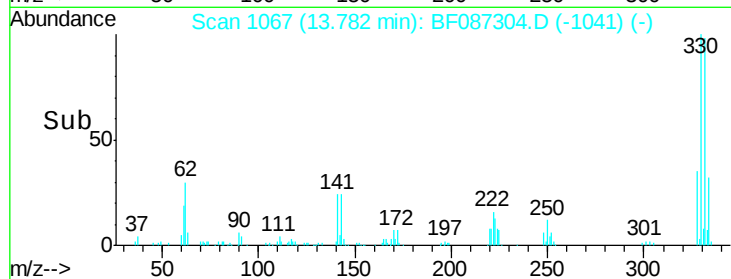
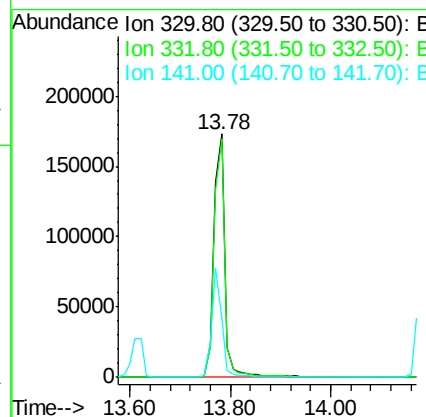
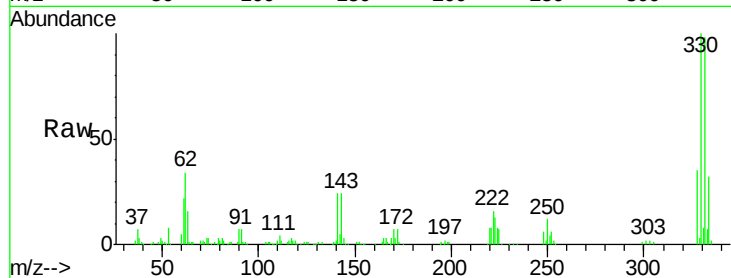
#41  
 2,4,6-Tribromophenol  
 Concen: 89.80 ng  
 RT: 13.78 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 263300 |       |       |
| 332     | 97.0  | 79.0   | 118.4 |       |
| 141     | 41.4  | 31.2   | 46.8  |       |

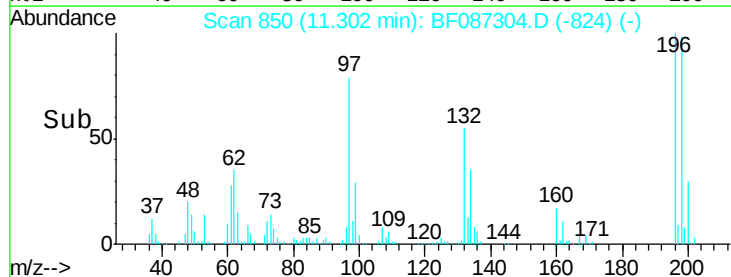
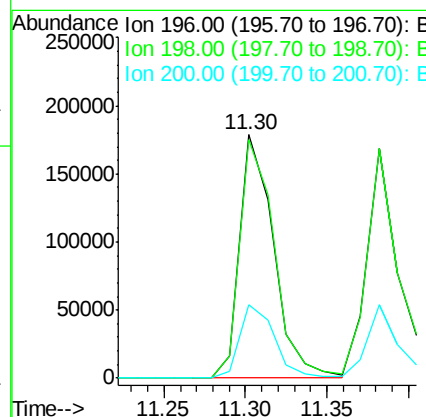
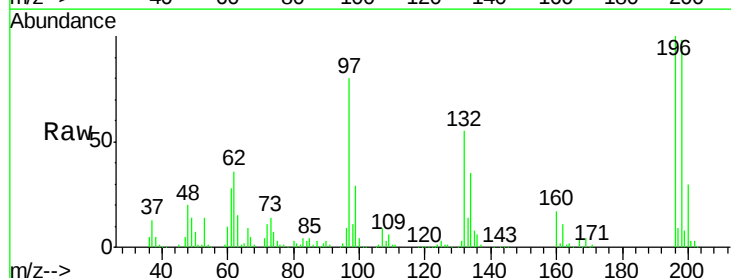
Manual Integrations  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 50.06 ng  
 RT: 11.30 min Scan# 850  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

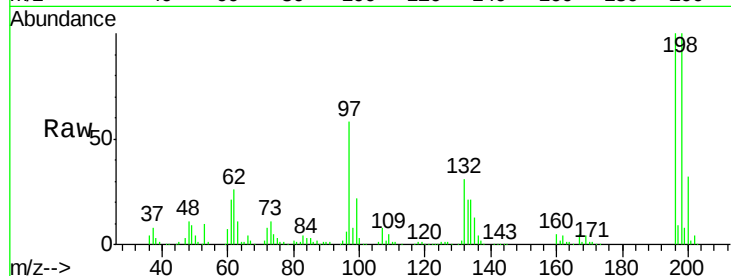
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 258622 |       |       |
| 198     | 98.1  | 74.7   | 112.1 |       |
| 200     | 30.1  | 23.8   | 35.6  |       |





#43  
 2,4,5-Trichlorophenol  
 Concen: 49.39 ng  
 RT: 11.38 min Scan# 857  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

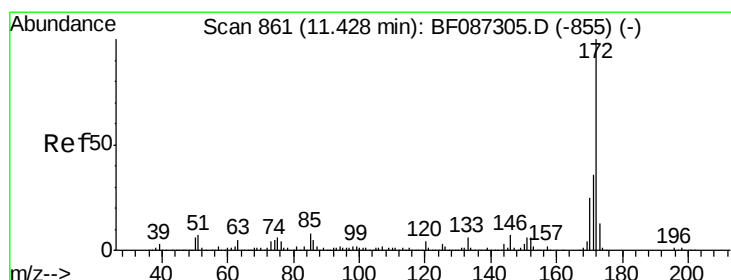
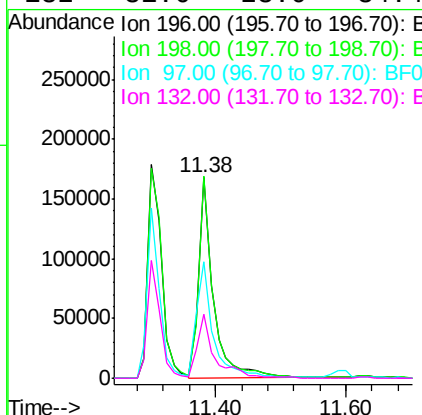
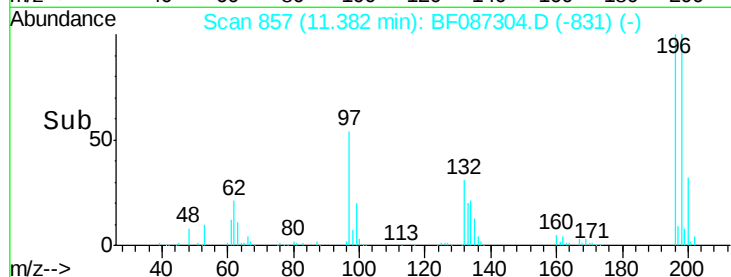
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050



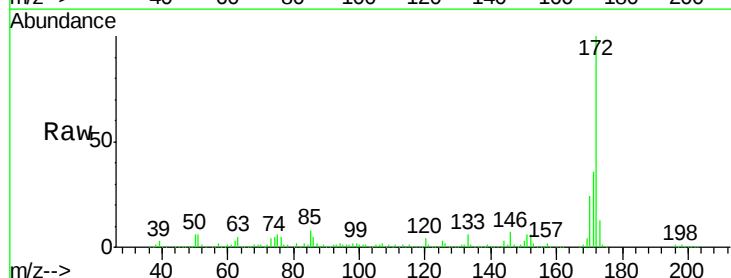
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 262676 |       |       |
| 198     | 100.5 | 77.5   | 116.3 |       |
| 97      | 58.3  | 34.8   | 52.2  |       |
| 132     | 31.6  | 23.0   | 34.4  |       |

Manual Integrations  
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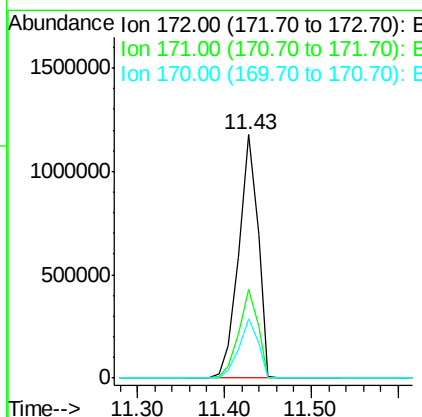
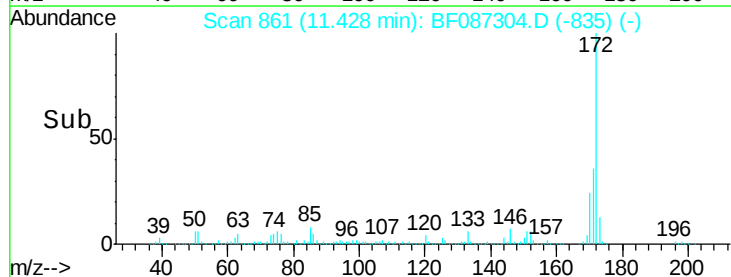
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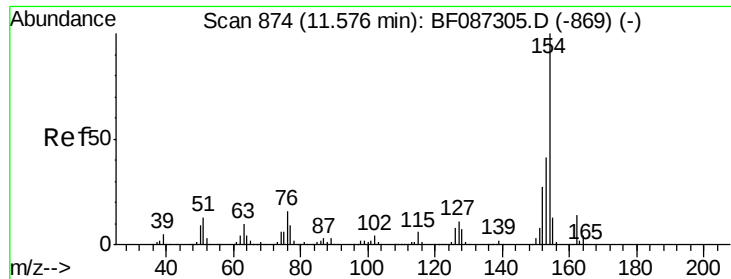


#44  
 2-Fluorobiphenyl  
 Concen: 108.88 ng  
 RT: 11.43 min Scan# 861  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08



| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1821245 |       |       |
| 171     | 36.4  | 29.0    | 43.6  |       |
| 170     | 24.5  | 19.8    | 29.8  |       |





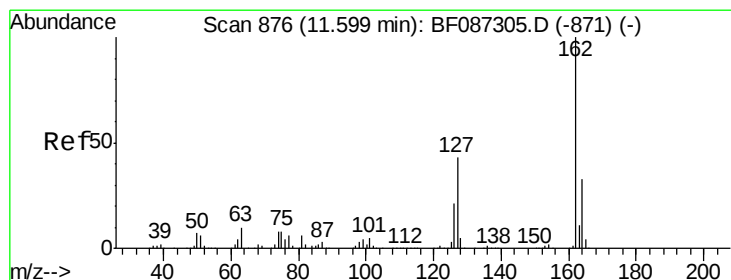
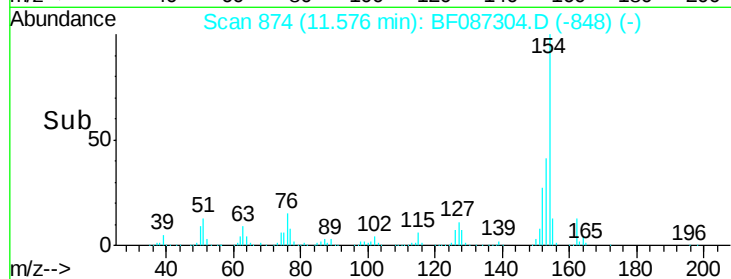
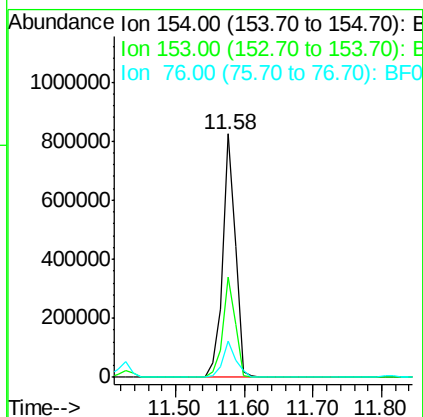
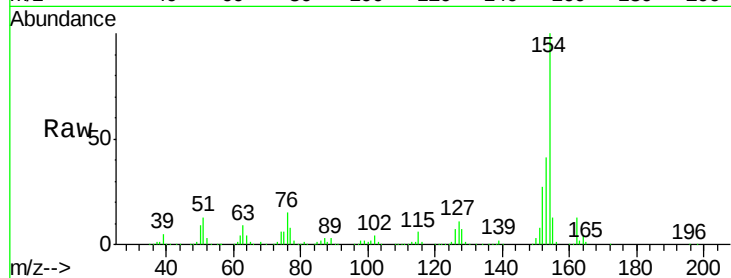
#45  
 1,1'-Biphenyl  
 Concen: 47.86 ng  
 RT: 11.58 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tgt Ion:154 Resp: 1086805  
 Ion Ratio Lower Upper  
 154 100  
 153 41.0 20.3 60.3  
 76 15.1 0.0 30.2

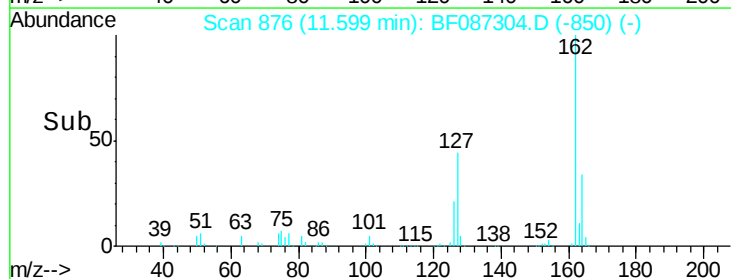
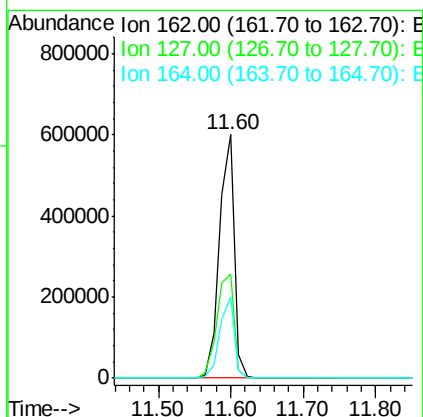
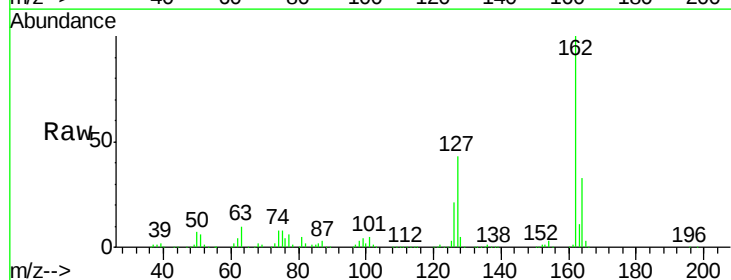
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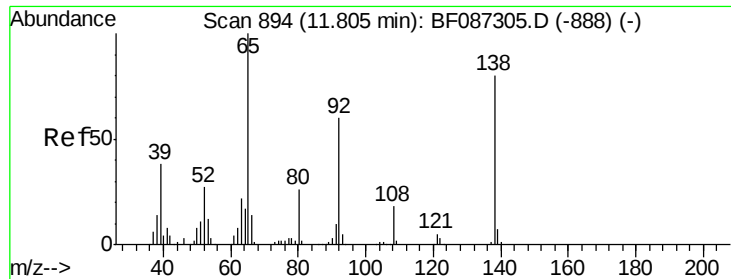
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#46  
 2-Chloronaphthalene  
 Concen: 48.69 ng  
 RT: 11.60 min Scan# 876  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Tgt Ion:162 Resp: 851358  
 Ion Ratio Lower Upper  
 162 100  
 127 42.9 31.8 47.6  
 164 33.2 27.0 40.6





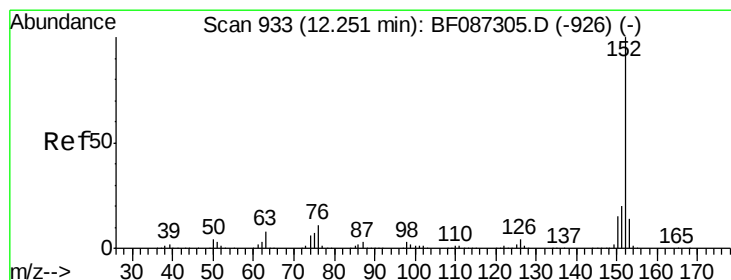
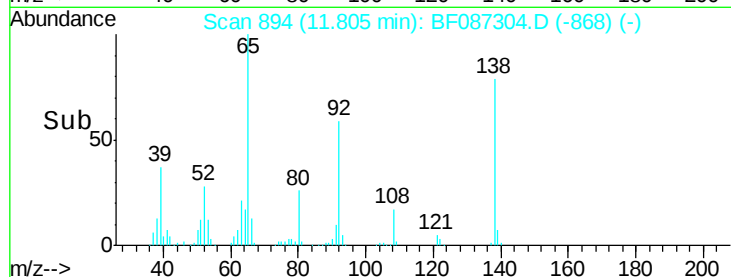
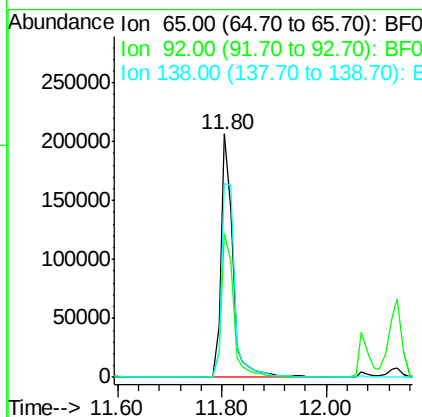
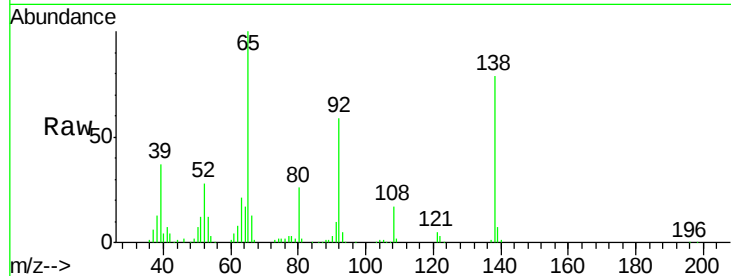
#47  
2-Nitroaniline  
Concen: 48.72 ng  
RT: 11.80 min Scan# 894  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 59.1  | 57.4  | 86.2   |
| 138     | 79.4  | 90.1  | 135.1# |

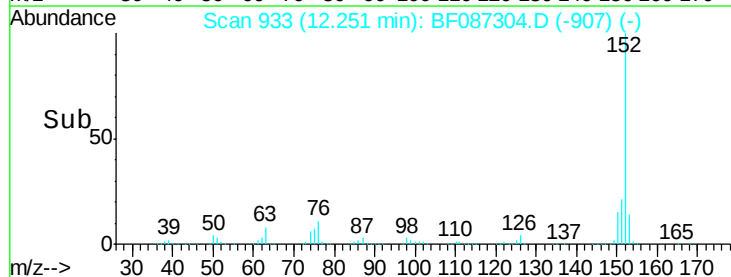
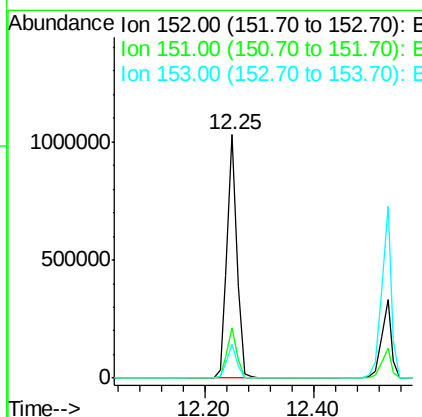
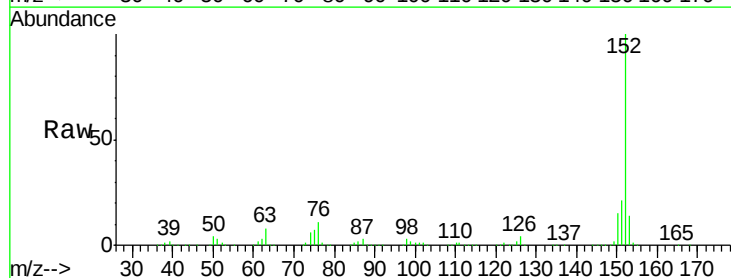
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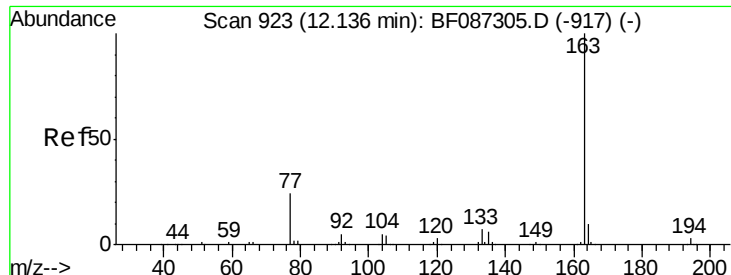
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#48  
Acenaphthylene  
Concen: 49.43 ng  
RT: 12.25 min Scan# 933  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 16.8  | 25.2  |
| 153     | 14.0  | 10.9  | 16.3  |





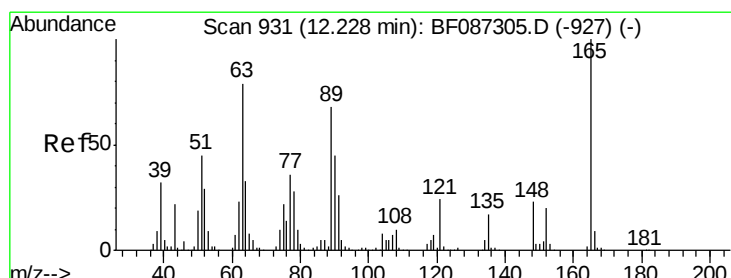
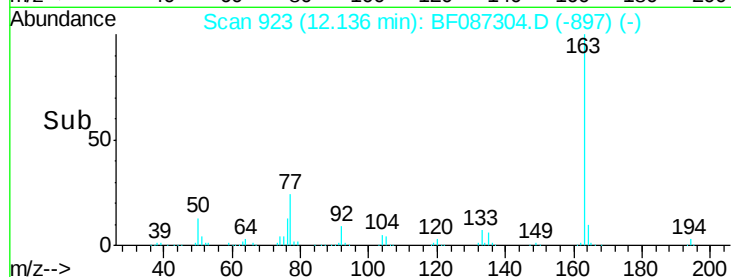
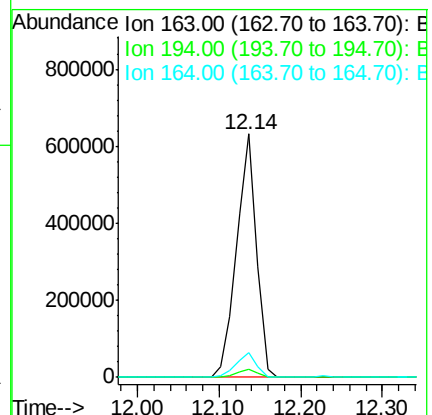
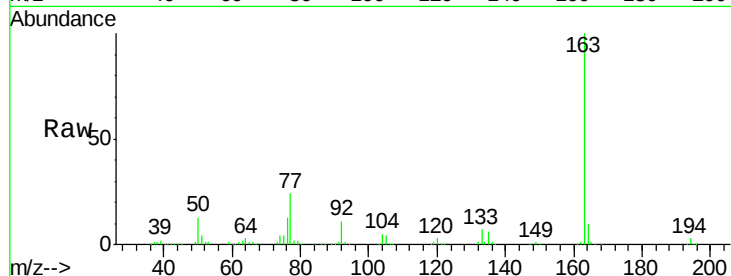
#49  
Dimethylphthalate  
Concen: 51.02 ng  
RT: 12.14 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.1   | 2.6   | 4.0   |
| 164     | 10.2  | 8.2   | 12.4  |

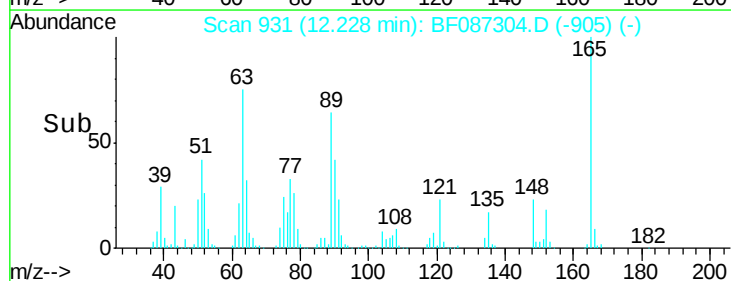
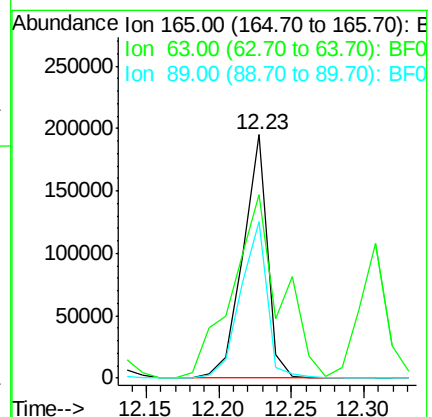
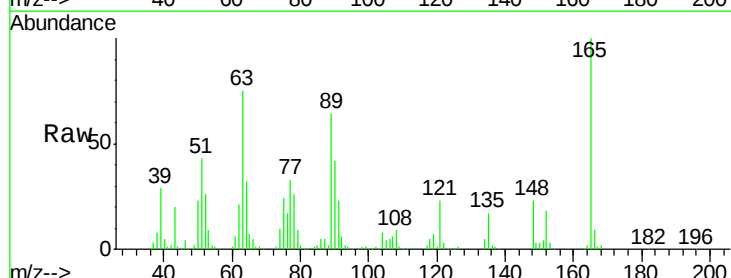
Manual Integrations  
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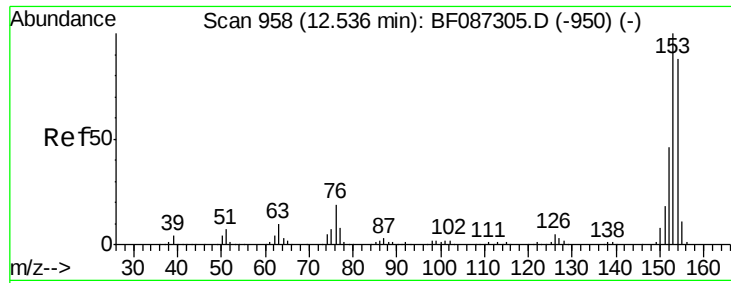
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#50  
2,6-Dinitrotoluene  
Concen: 51.31 ng  
RT: 12.23 min Scan# 931  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 75.2  | 51.8  | 77.8  |
| 89      | 64.2  | 50.7  | 76.1  |





#51

Acenaphthene

Concen: 48.45 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF087304.D

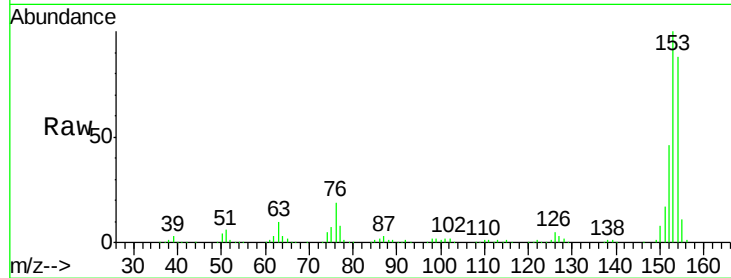
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

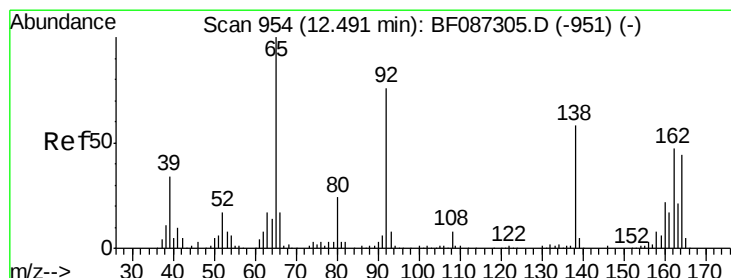
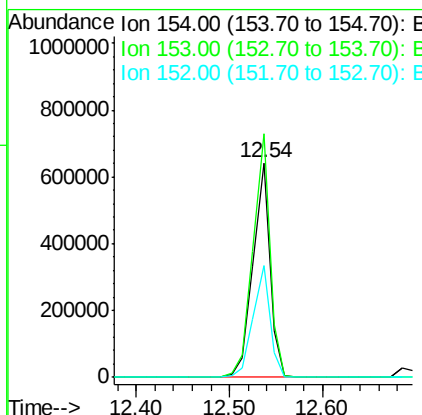
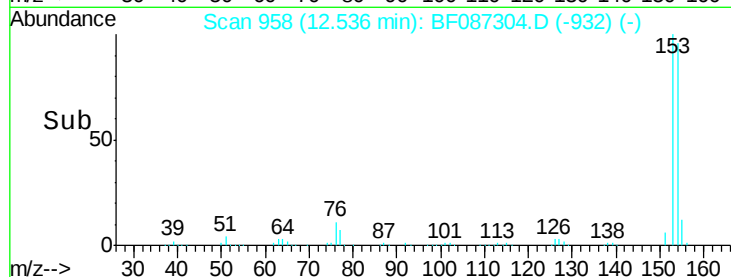
SSTDICC050



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 812890 |       |       |
| 153     | 113.6 | 89.8   | 134.6 |       |
| 152     | 52.2  | 43.4   | 65.0  |       |

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#52

3-Nitroaniline

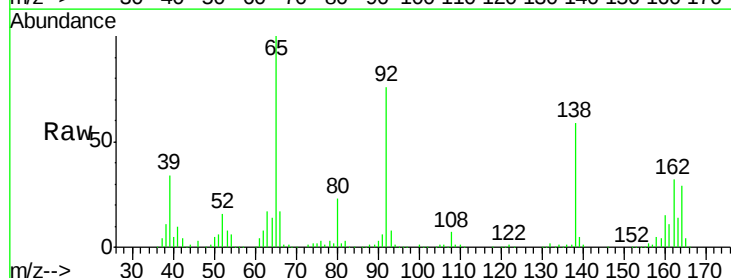
Concen: 46.56 ng

RT: 12.49 min Scan# 954

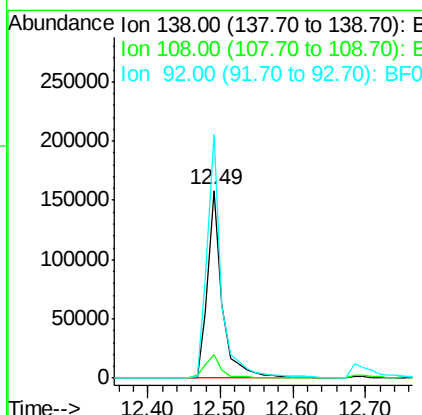
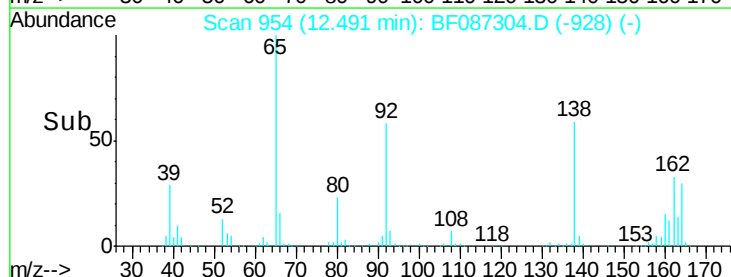
Delta R.T. -0.00 min

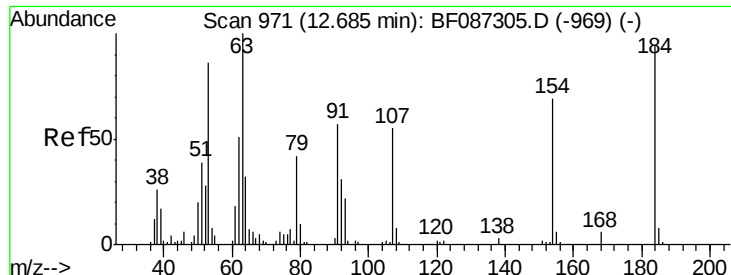
Lab File: BF087304.D

Acq: 23 May 2016 17:08



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 224233 |       |       |
| 108     | 12.2  | 7.8    | 11.6# |       |
| 92      | 129.7 | 87.8   | 131.8 |       |





#53

2,4-Dinitrophenol

Concen: 47.01 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.00 min

Lab File: BF087304.D

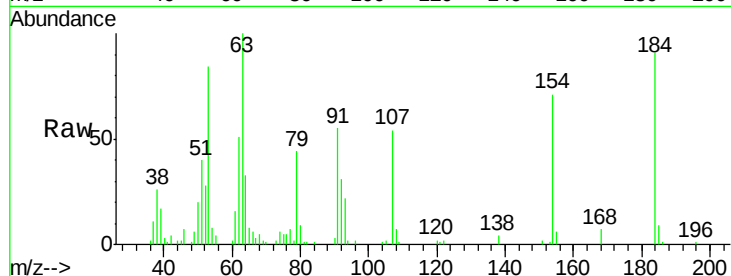
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050



Tgt Ion:184 Resp: 102928

Ion Ratio Lower Upper

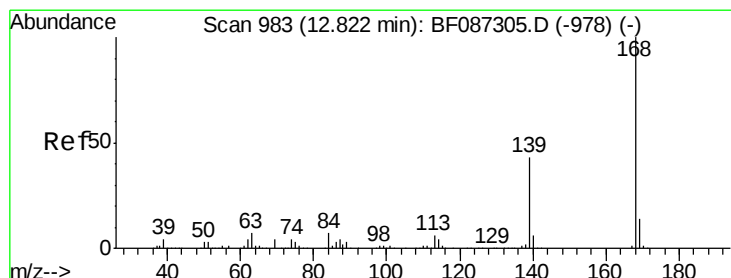
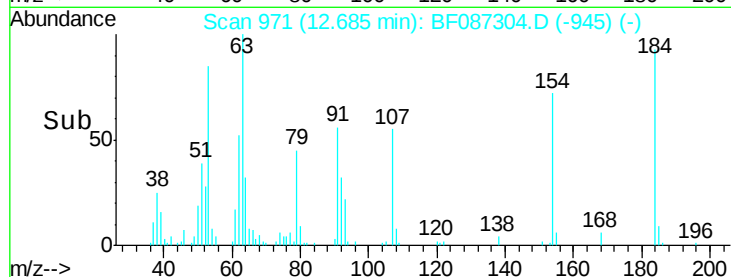
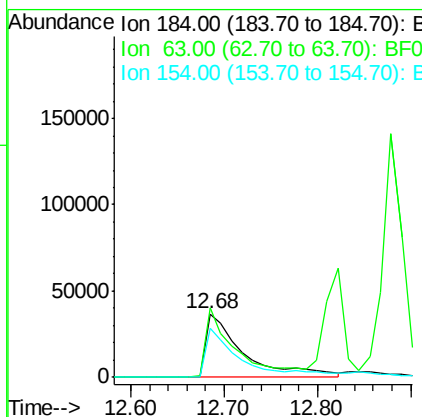
184 100

63 109.4 55.8 83.8#

154 77.6 62.4 93.6

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#54

Dibenzofuran

Concen: 50.94 ng

RT: 12.82 min Scan# 983

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

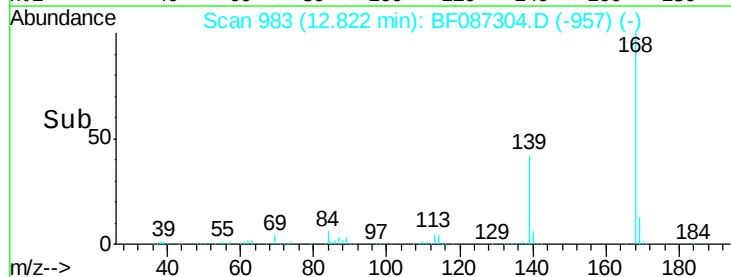
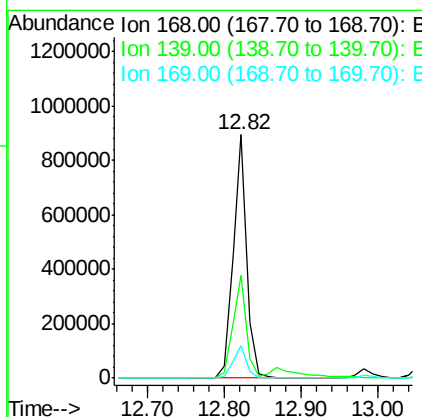
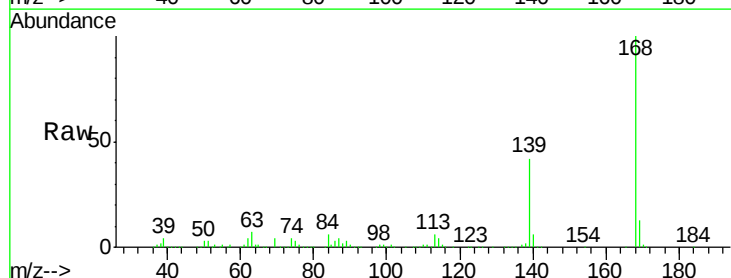
Tgt Ion:168 Resp: 1111834

Ion Ratio Lower Upper

168 100

139 42.2 31.4 47.0

169 13.4 10.7 16.1





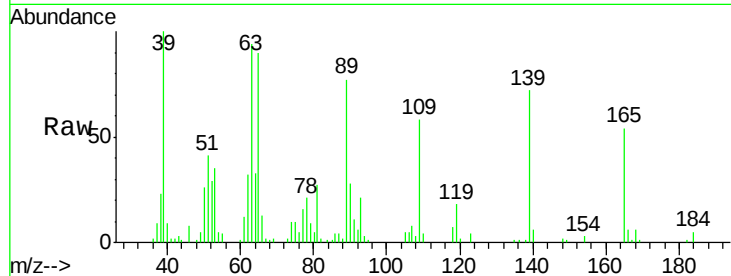
#55  
4-Nitrophenol  
Concen: 51.41 ng  
RT: 12.87 min Scan# 987  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampled :  
SSTDIC050

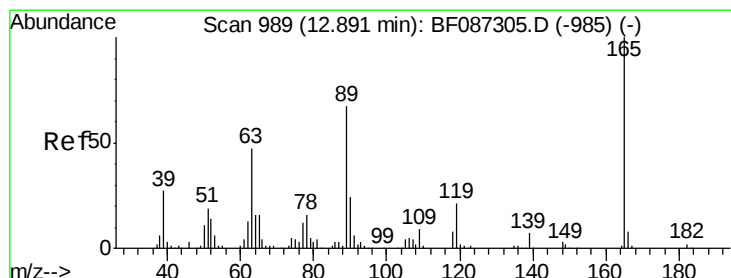
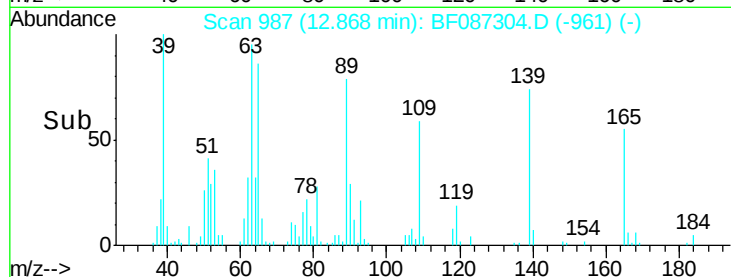
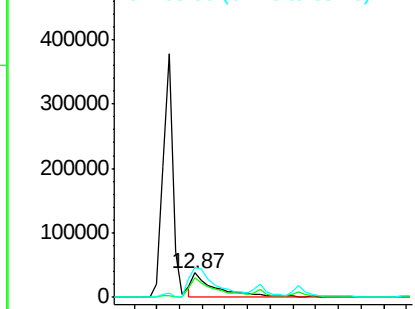
Tgt Ion:139 Resp: 105993  
Ion Ratio Lower Upper  
139 100  
109 79.7 36.9 76.9#  
65 124.2 64.0 104.0#

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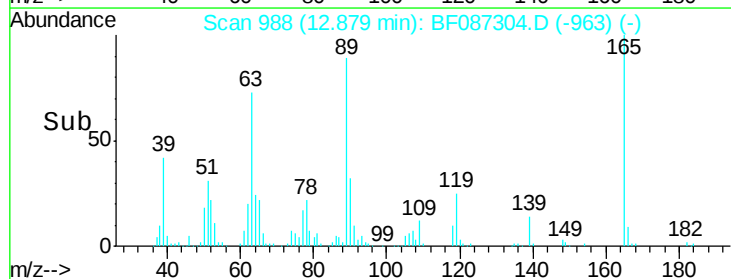
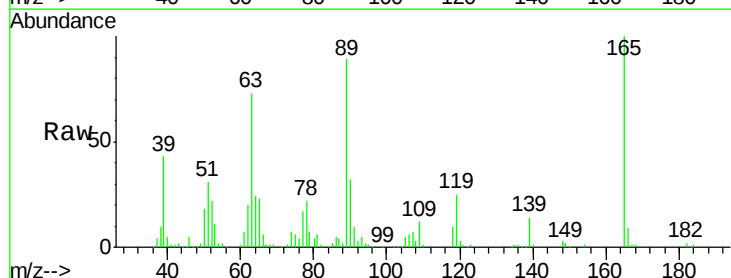
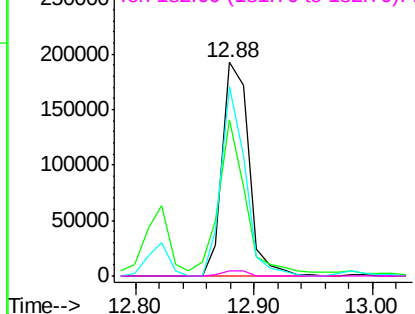
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

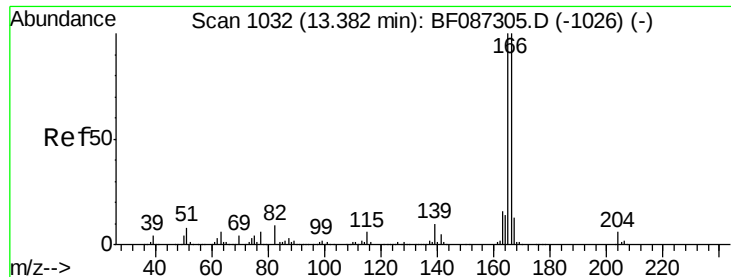


#56  
2,4-Dinitrotoluene  
Concen: 51.51 ng  
RT: 12.88 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Tgt Ion:165 Resp: 298411  
Ion Ratio Lower Upper  
165 100  
63 73.3 44.3 66.5#  
89 88.9 70.0 105.0  
182 2.3 1.8 2.6

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 53.94 ng

RT: 13.37 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

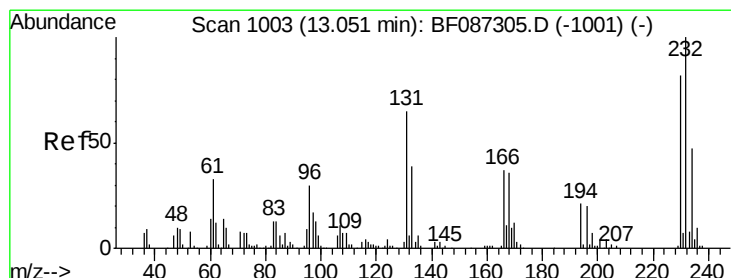
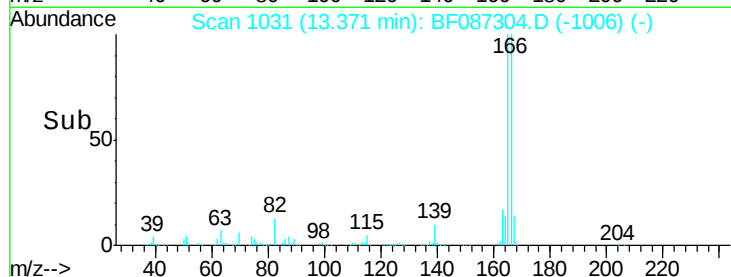
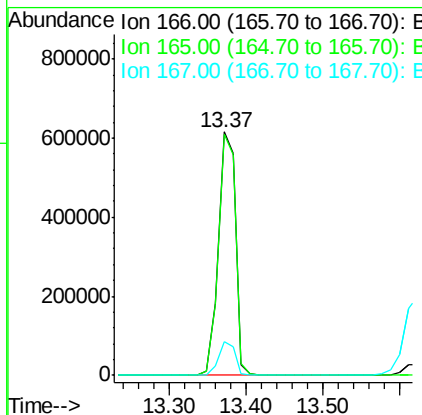
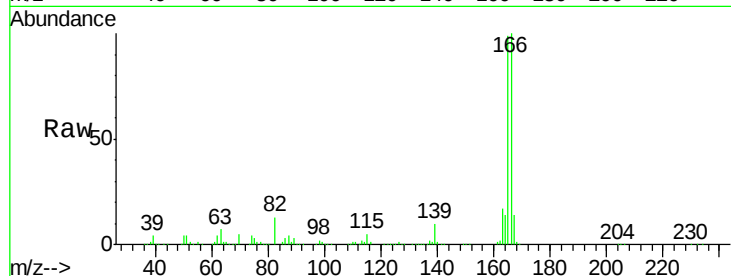
ClientSampleId :

SSTDICC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 166  | Resp: | 964739 |
| Ion Ratio |      | Lower | Upper  |
| 166       | 100  |       |        |
| 165       | 99.0 | 79.0  | 118.6  |
| 167       | 13.9 | 10.6  | 15.8   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 49.31 ng

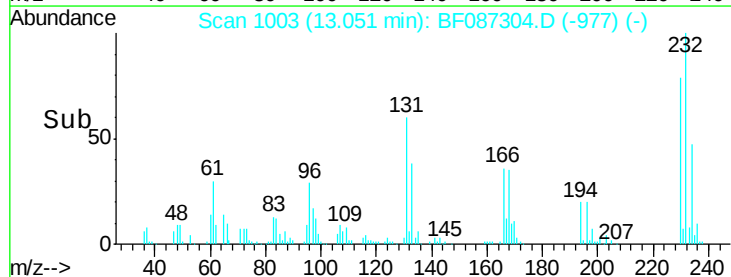
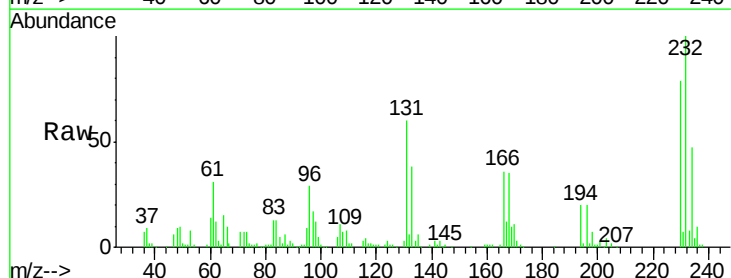
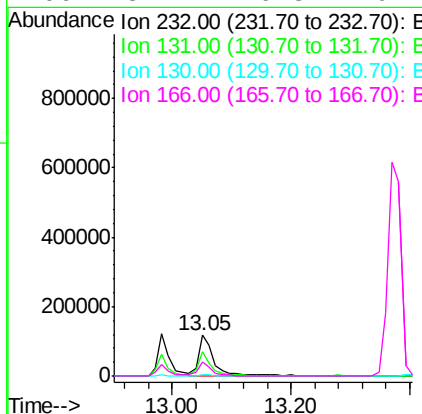
RT: 13.05 min Scan# 1003

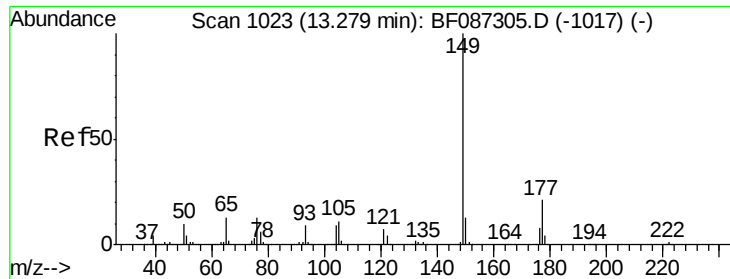
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 232  | Resp: | 205117 |
| Ion Ratio |      | Lower | Upper  |
| 232       | 100  |       |        |
| 131       | 52.8 | 41.9  | 62.9   |
| 130       | 2.7  | 2.2   | 3.4    |
| 166       | 32.4 | 26.8  | 40.2   |





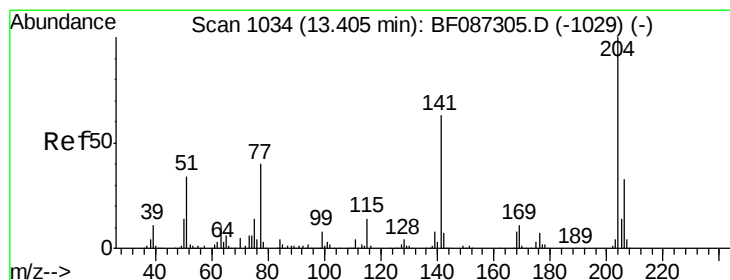
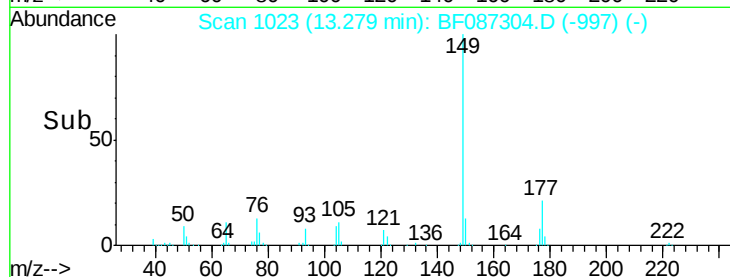
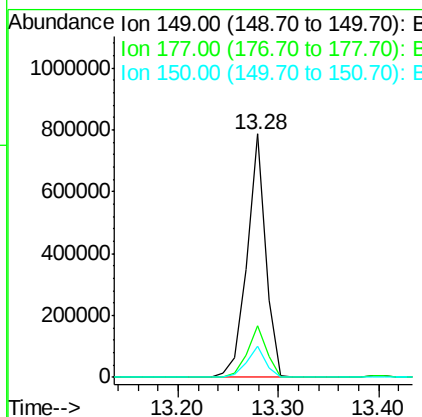
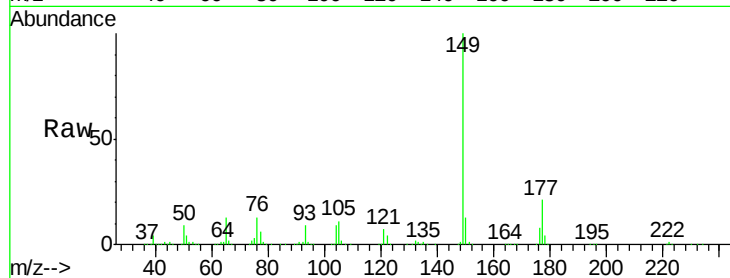
#59  
Diethylphthalate  
Concen: 51.16 ng  
RT: 13.28 min Scan# 1023  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.4  | 16.6  | 24.8  |
| 150     | 12.9  | 10.0  | 15.0  |

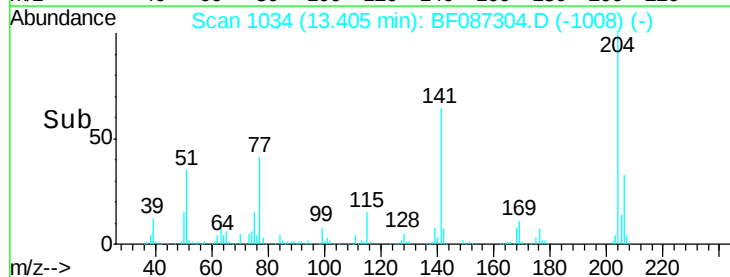
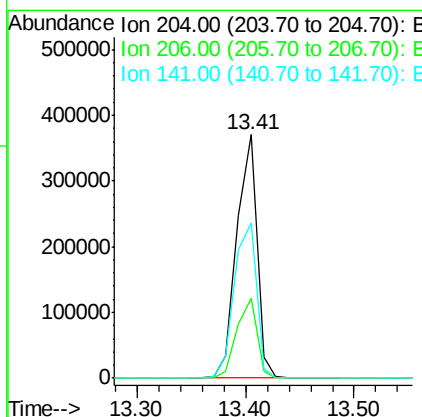
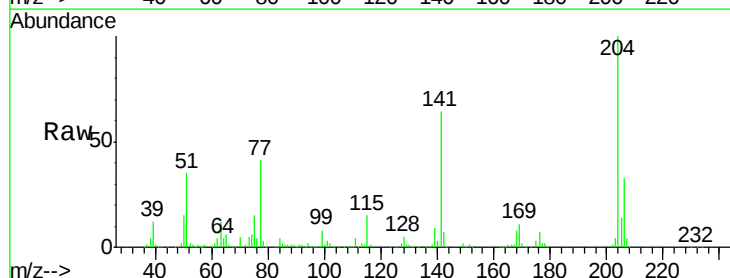
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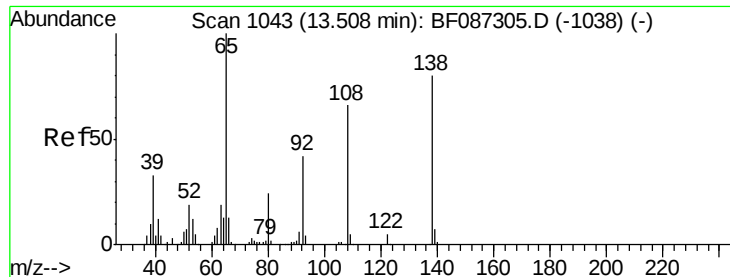
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#60  
4-Chlorophenyl-phenylether  
Concen: 57.30 ng  
RT: 13.41 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.9  | 25.4  | 38.0  |
| 141     | 63.9  | 61.6  | 92.4  |





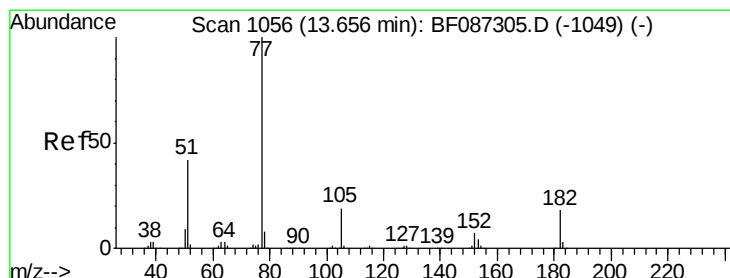
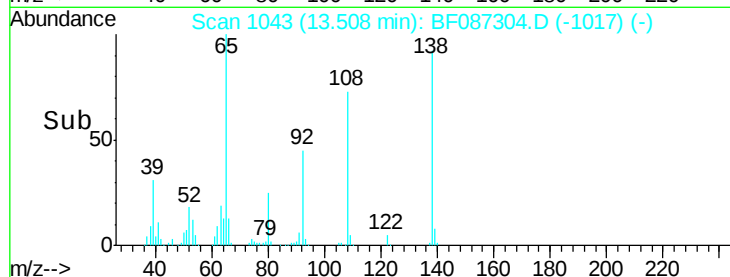
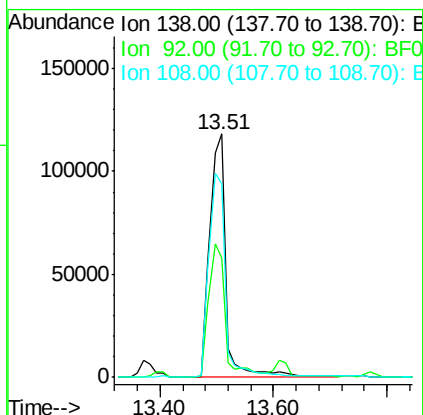
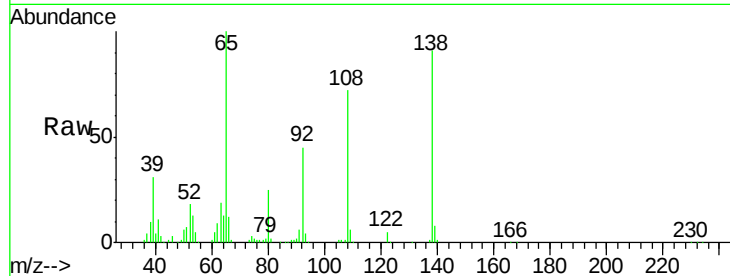
#61  
4-Nitroaniline  
Concen: 48.96 ng  
RT: 13.51 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.3  | 24.7  | 64.7  |
| 108     | 79.8  | 37.4  | 77.4  |

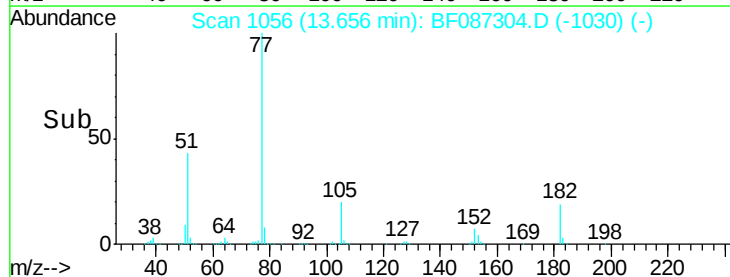
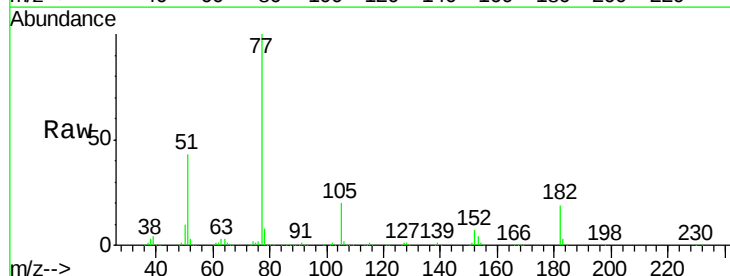
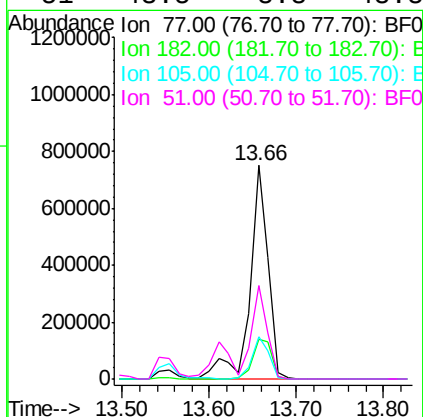
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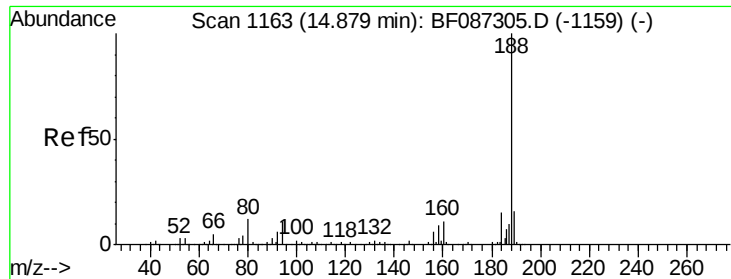
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#62  
Azobenzene  
Concen: 48.69 ng  
RT: 13.66 min Scan# 1056  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 18.6  | 0.0   | 38.8  |
| 105     | 19.8  | 3.2   | 43.2  |
| 51      | 43.5  | 8.8   | 48.8  |





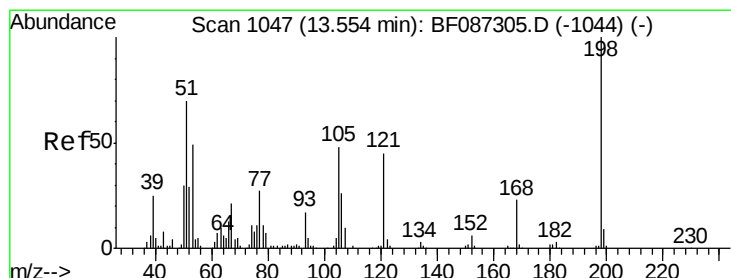
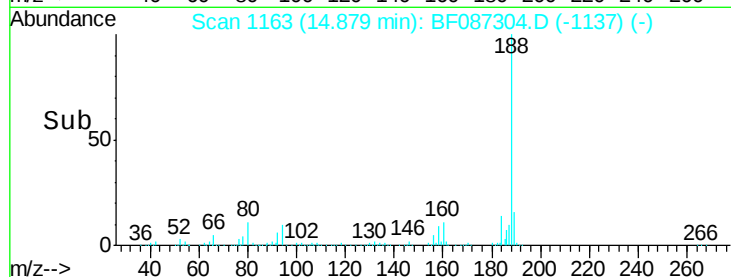
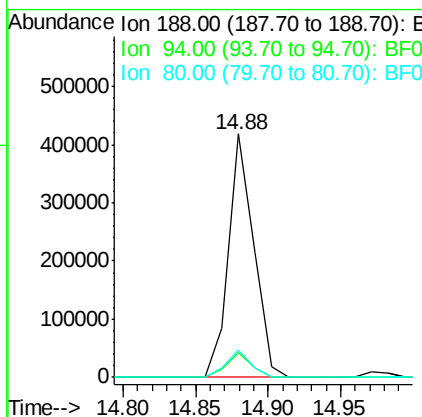
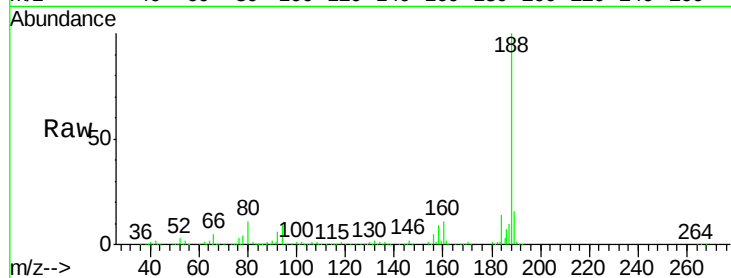
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.88 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 10.2  | 6.8        | 10.2       |
| 80      | 11.2  | 7.1        | 10.7       |

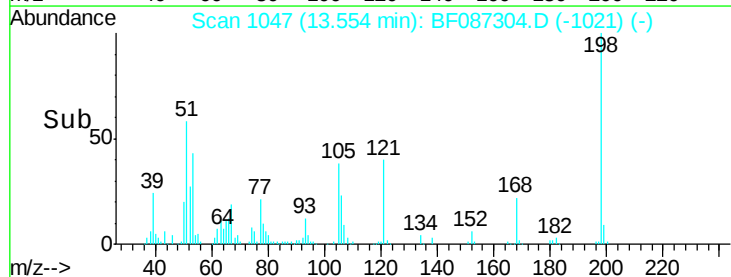
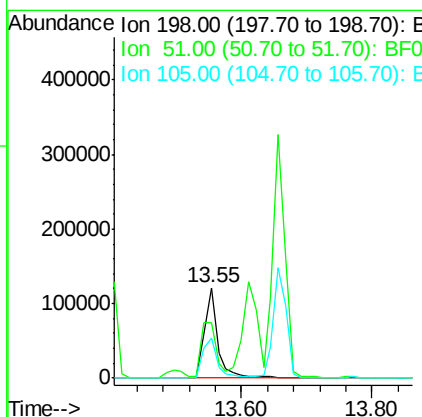
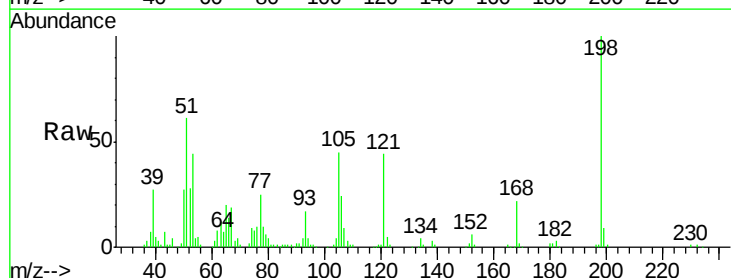
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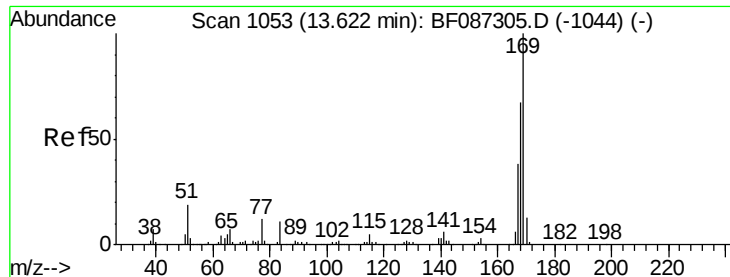
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 51.76 ng  
RT: 13.55 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 198     | 100   |            |            |
| 51      | 61.2  | 20.5       | 60.5       |
| 105     | 44.5  | 24.5       | 64.5       |





#65

n-Nitrosodiphenylamine

Concen: 50.98 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

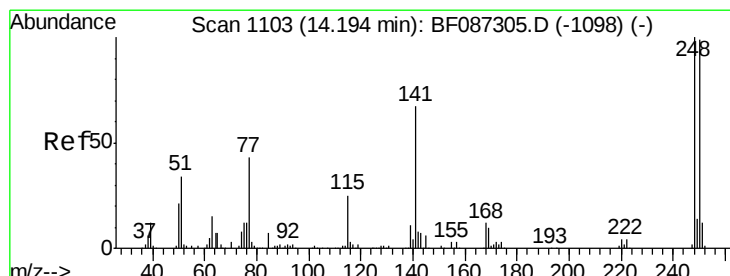
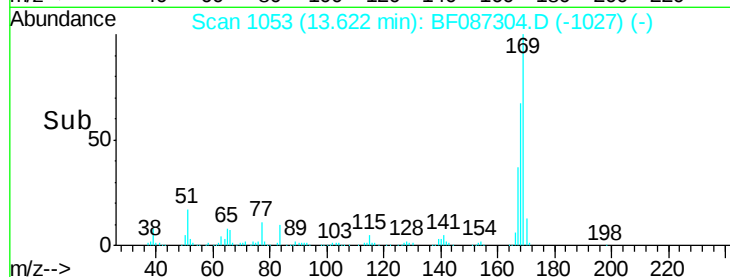
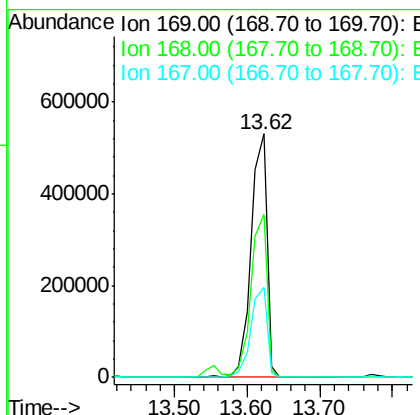
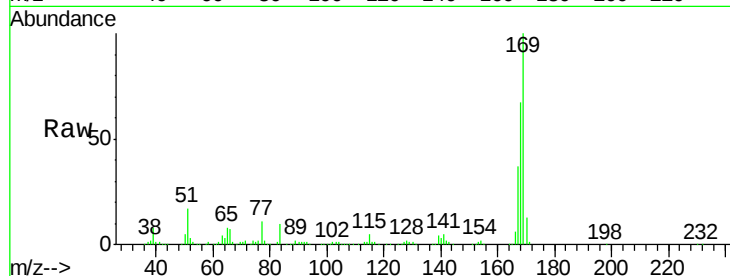
ClientSampleId :

SSTDICC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 814980 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.1  | 53.8  | 80.6   |
| 167       | 37.2  | 29.5  | 44.3   |

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#66

4-Bromophenyl-phenylether

Concen: 51.57 ng

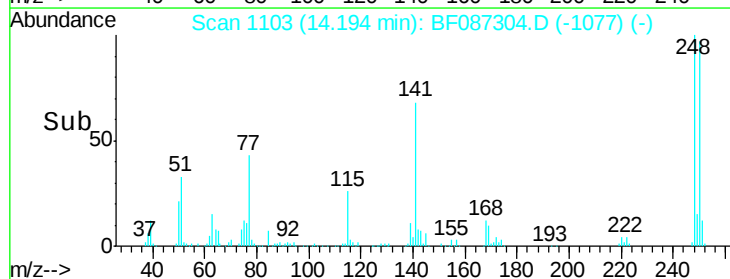
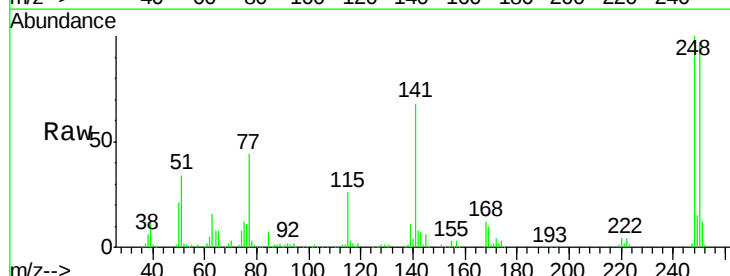
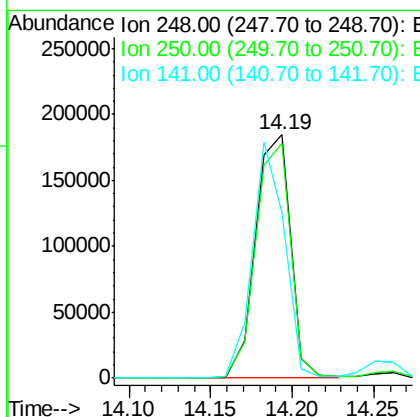
RT: 14.19 min Scan# 1103

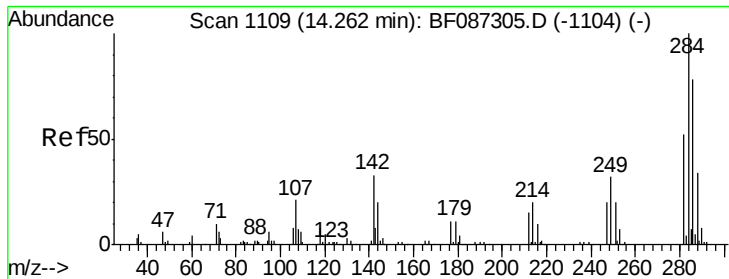
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 275639 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.6  | 78.6  | 117.8  |
| 141       | 67.8  | 76.0  | 114.0# |





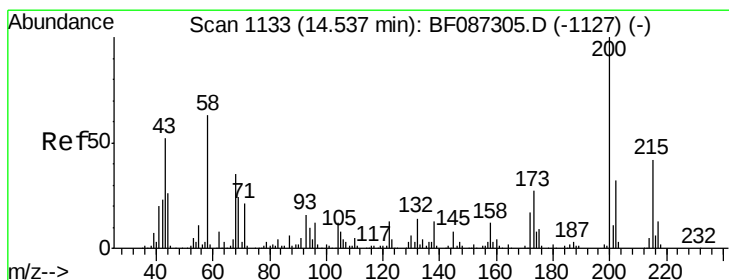
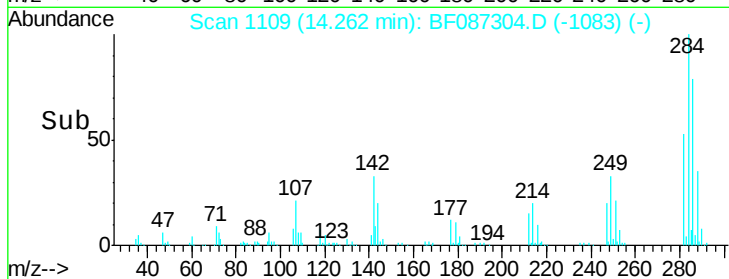
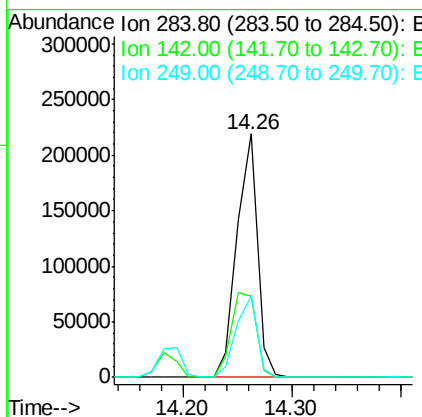
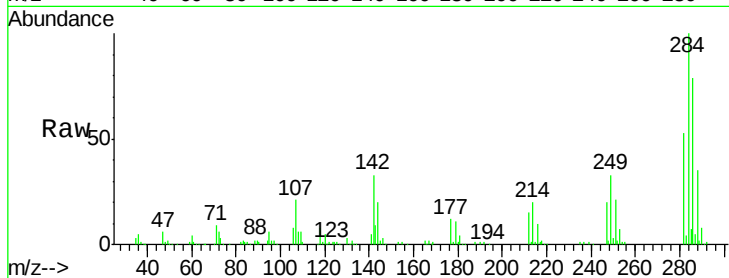
#67  
Hexachlorobenzene  
Concen: 47.69 ng  
RT: 14.26 min Scan# 1109  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 284946 |       |       |
| 142     | 33.5  | 16.7   | 25.1# |       |
| 249     | 33.3  | 21.3   | 31.9# |       |

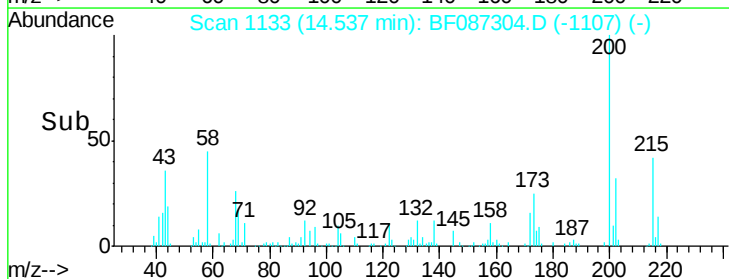
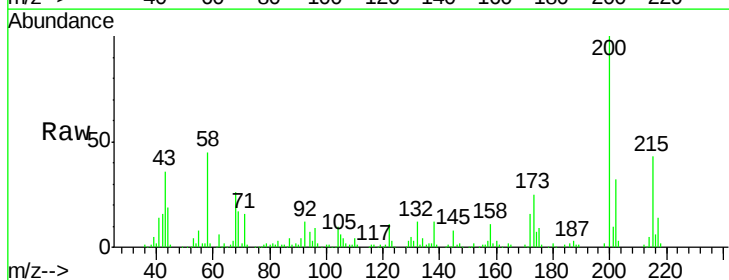
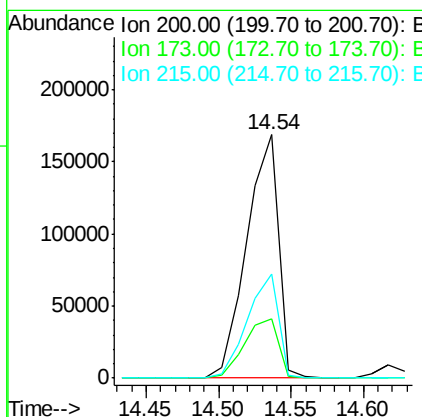
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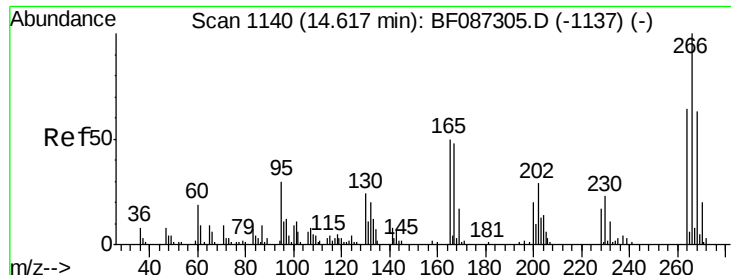
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#68  
Atrazine  
Concen: 49.30 ng  
RT: 14.54 min Scan# 1133  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 256454 |       |       |
| 173     | 24.6  | 8.5    | 48.5  |       |
| 215     | 42.8  | 27.2   | 67.2  |       |





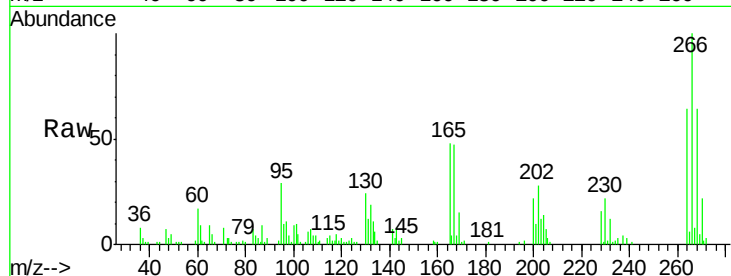
#69  
 Pentachlorophenol  
 Concen: 38.81 ng  
 RT: 14.62 min Scan# 1140  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

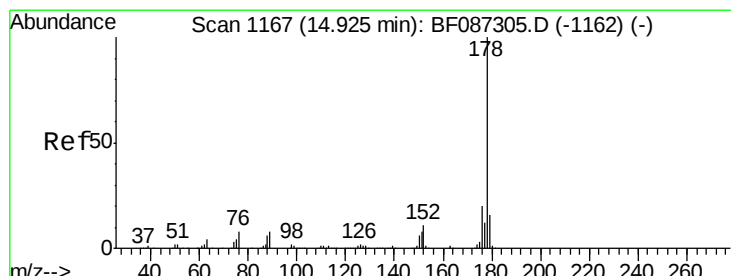
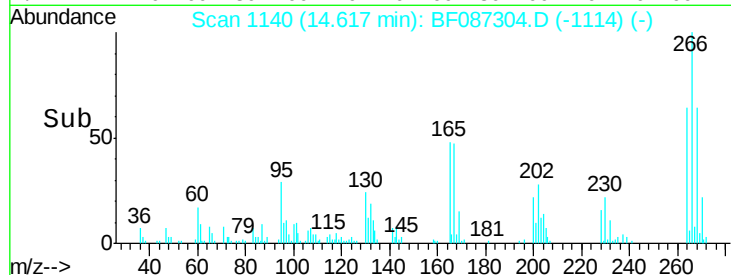
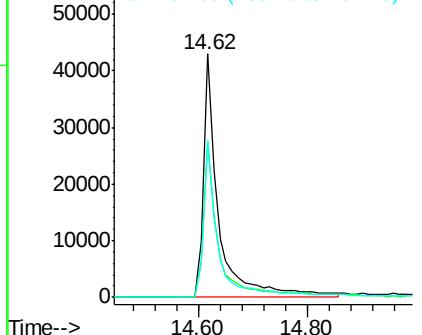
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 83398 |       |       |
| 268     | 64.4  | 51.5  | 77.3  |       |
| 264     | 64.1  | 52.9  | 79.3  |       |

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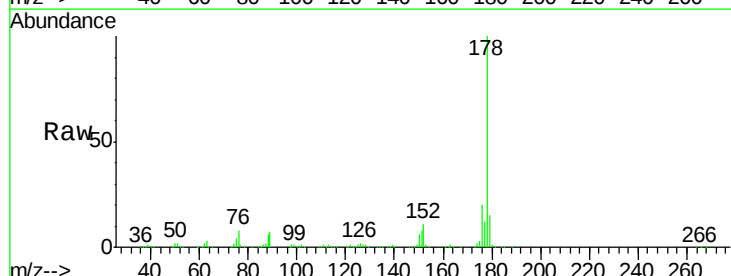


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

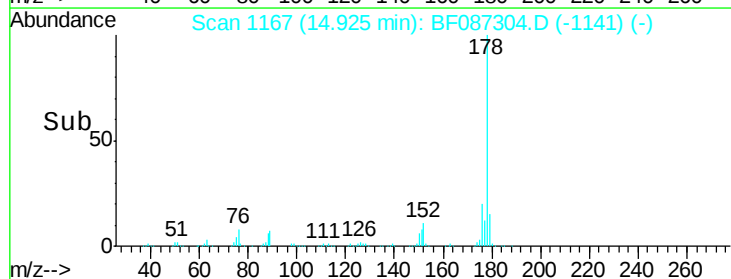
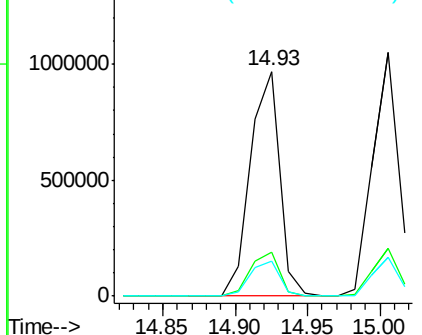


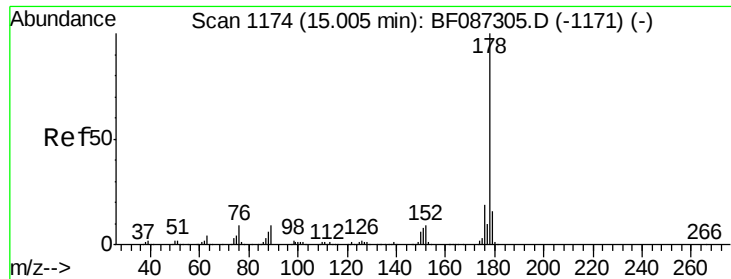
#70  
 Phenanthrene  
 Concen: 49.74 ng  
 RT: 14.93 min Scan# 1167  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1364690 |       |       |
| 176     | 19.8  | 16.0    | 24.0  |       |
| 179     | 15.4  | 12.6    | 18.8  |       |



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





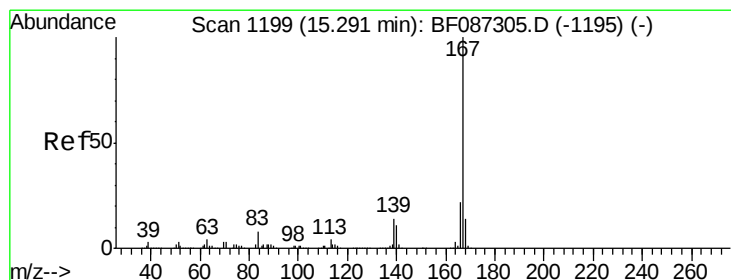
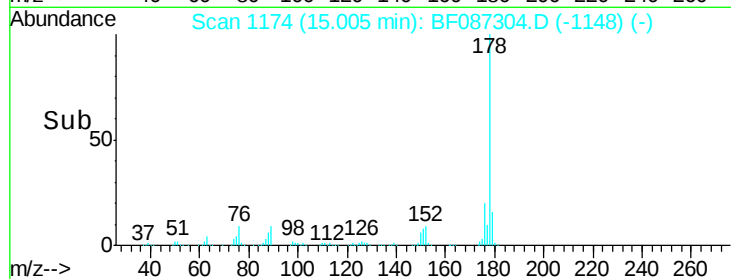
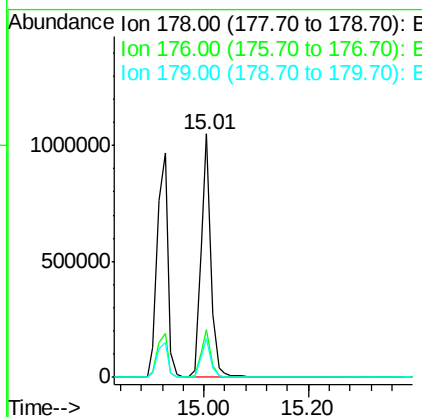
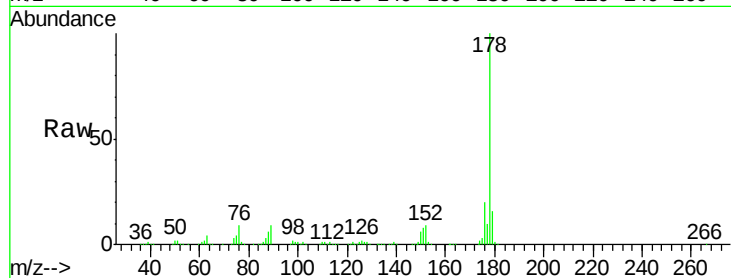
#71  
 Anthracene  
 Concen: 48.19 ng  
 RT: 15.01 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.6  | 23.4  |
| 179     | 15.7  | 12.7  | 19.1  |

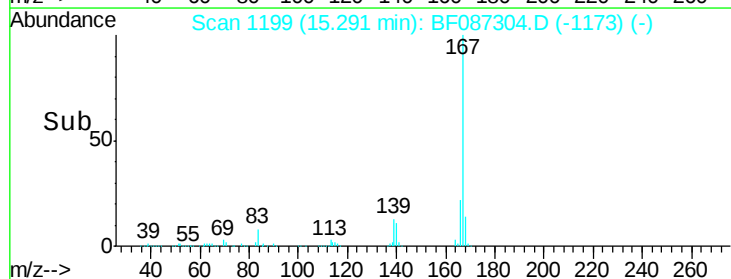
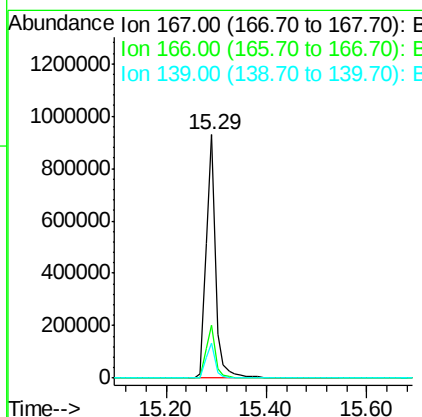
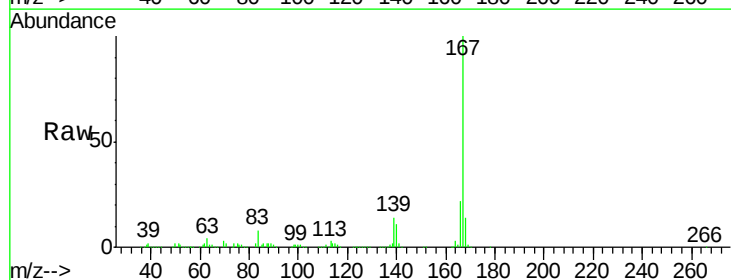
Manual Integrations  
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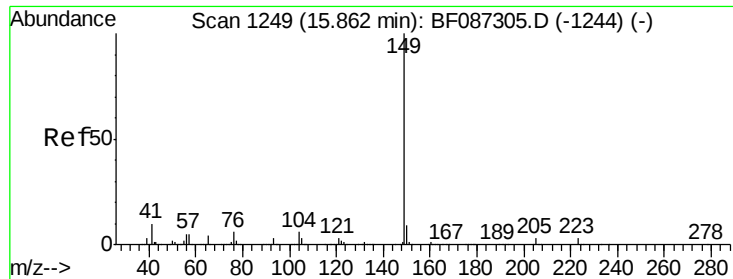
umangi  
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#72  
 Carbazole  
 Concen: 48.11 ng  
 RT: 15.29 min Scan# 1199  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.7  | 26.5  |
| 139     | 14.3  | 10.8  | 16.2  |





#73

Di-n-butylphthalate

Concen: 54.37 ng

RT: 15.86 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BF087304.D

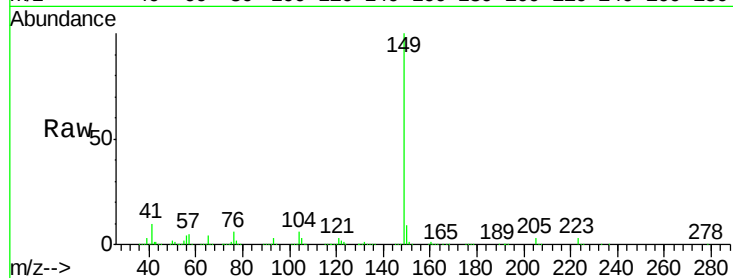
Acq: 23 May 2016 17:08

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

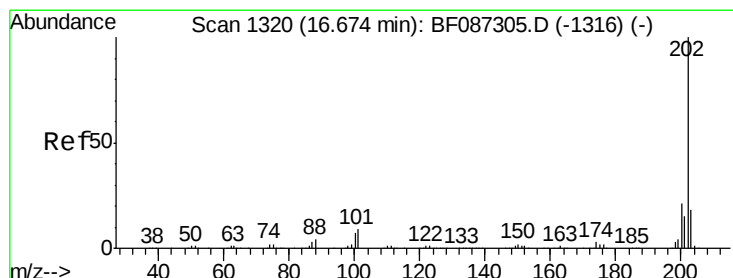
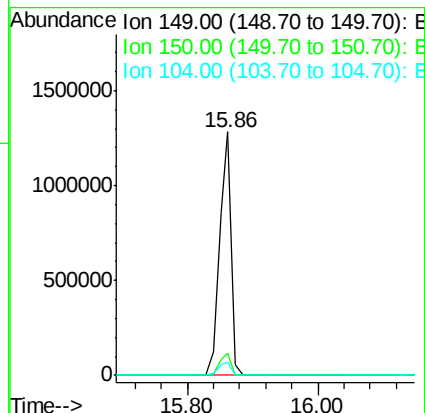
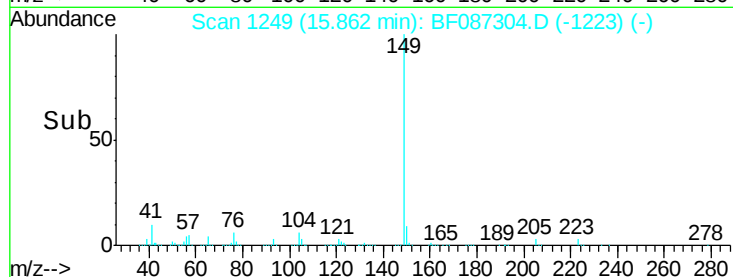


Tgt Ion:149 Resp: 1603793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.3   | 7.6   | 11.4  |
| 104 | 5.7   | 3.8   | 5.6#  |

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#74

Fluoranthene

Concen: 49.94 ng

RT: 16.67 min Scan# 1320

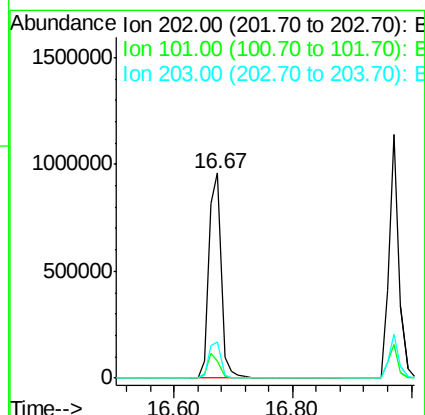
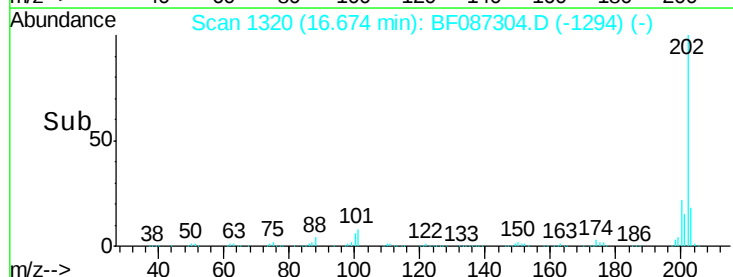
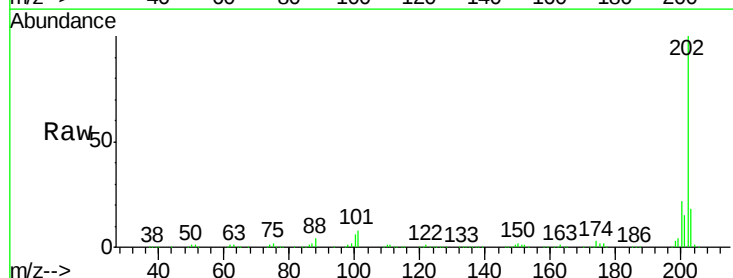
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Tgt Ion:202 Resp: 1391582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 8.4   | 0.0   | 35.4  |
| 203 | 17.5  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.56 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

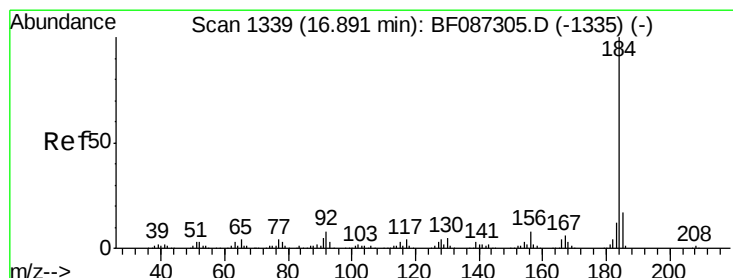
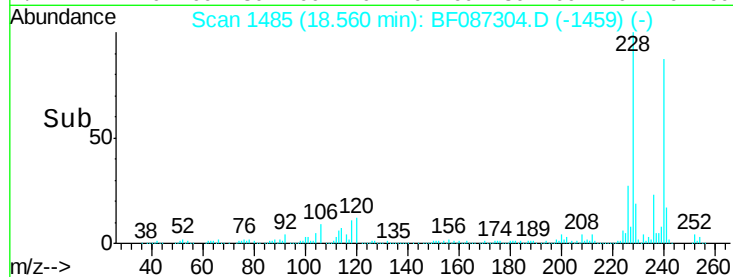
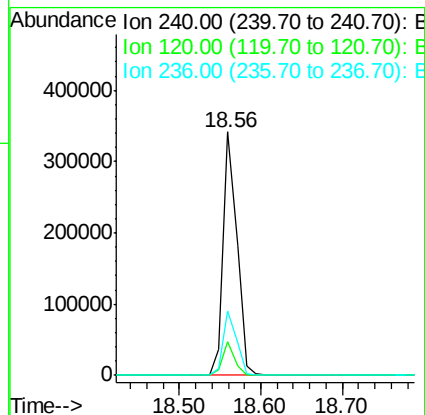
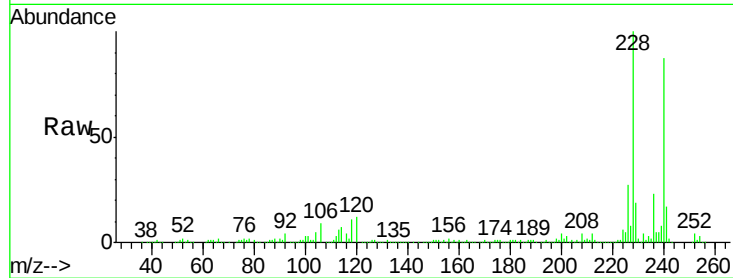
ClientSampleId :

SSTDICC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 398275 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.7  | 11.2  | 16.8   |
| 236       | 26.7  | 21.2  | 31.8   |

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#76

Benzidine

Concen: 49.08 ng

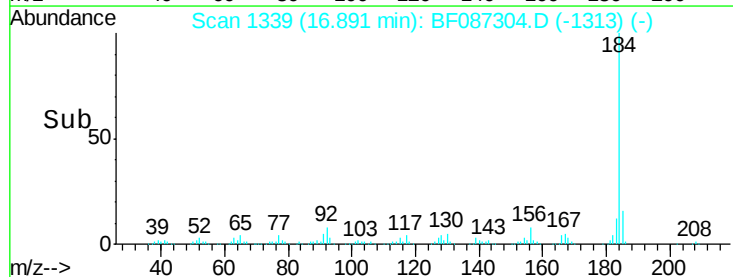
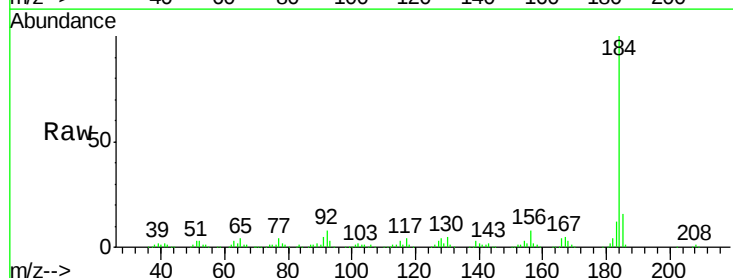
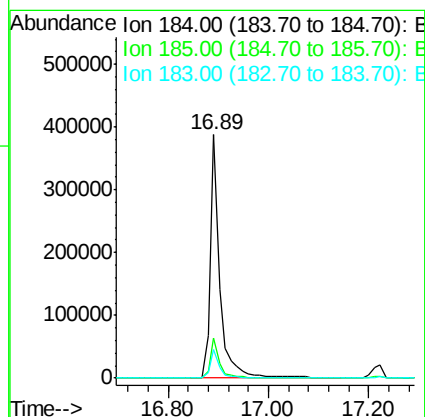
RT: 16.89 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 514800 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 16.3  | 13.6  | 20.4   |
| 183       | 11.6  | 9.8   | 14.6   |





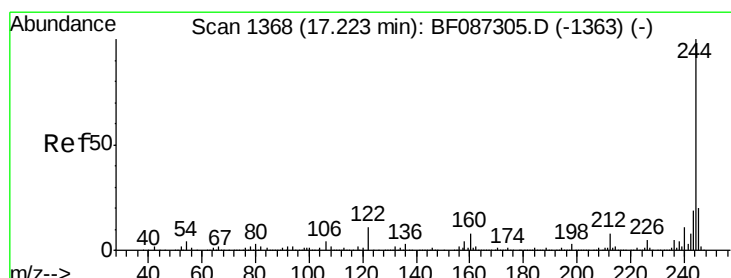
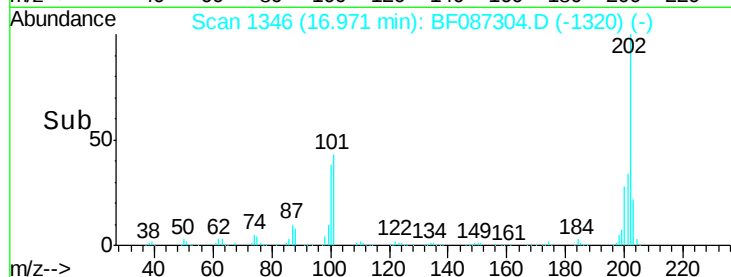
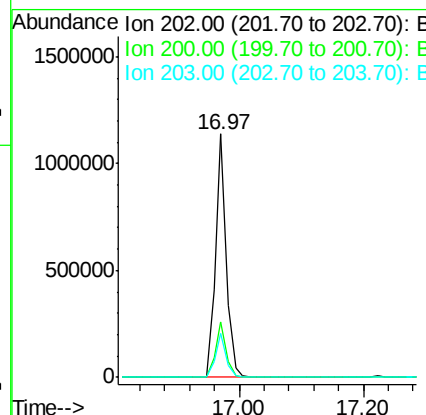
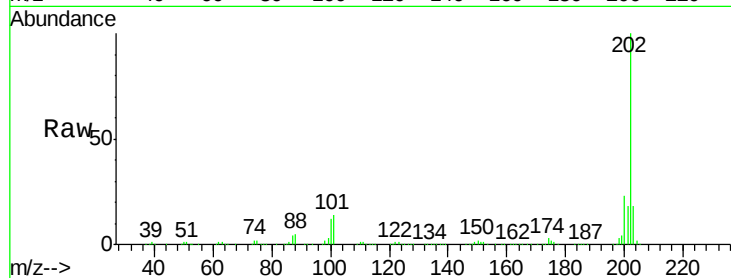
#77  
 Pyrene  
 Concen: 46.88 ng  
 RT: 16.97 min Scan# 1346  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.5  | 17.7  | 26.5  |
| 203     | 18.3  | 14.2  | 21.4  |

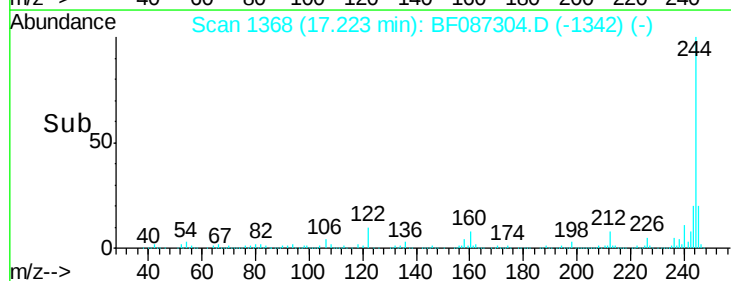
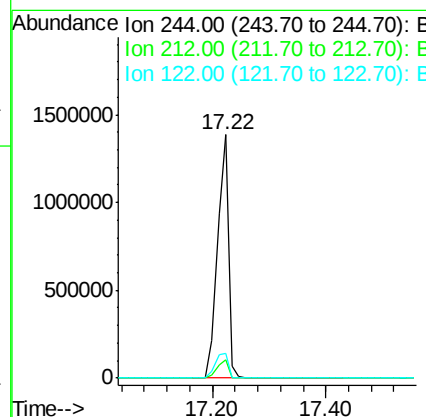
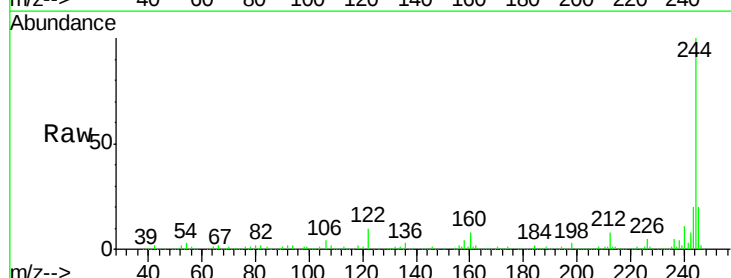
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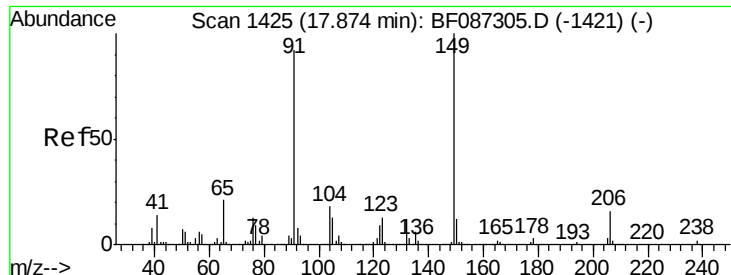
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#78  
 Terphenyl-d14  
 Concen: 99.89 ng  
 RT: 17.22 min Scan# 1368  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.2   | 9.2   |
| 122     | 10.4  | 12.0  | 18.0# |





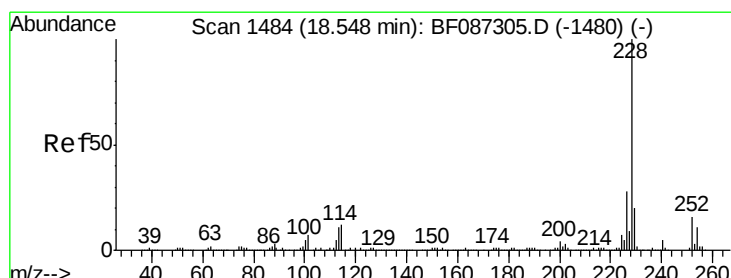
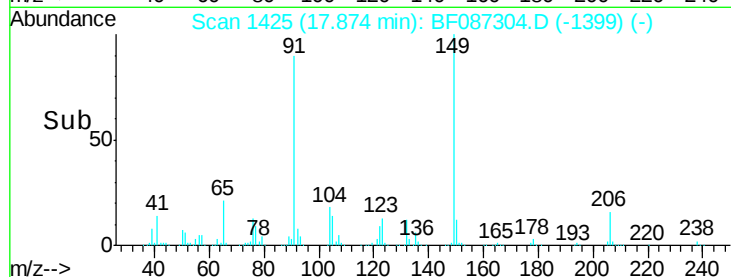
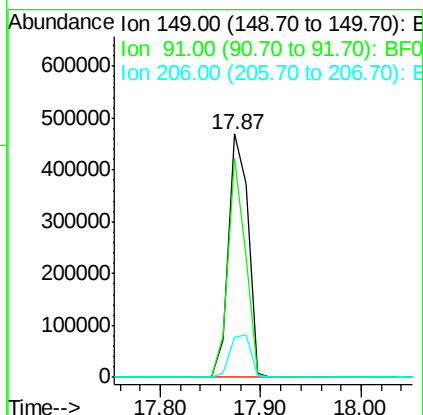
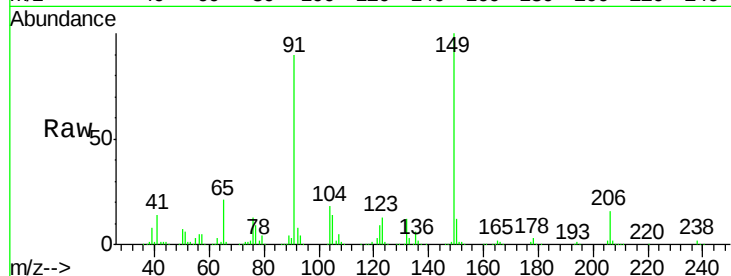
#79  
Butylbenzylphthalate  
Concen: 52.29 ng  
RT: 17.87 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 637451 |       |       |
| 91      | 90.0  | 48.0   | 72.0# |       |
| 206     | 16.3  | 15.8   | 23.6  |       |

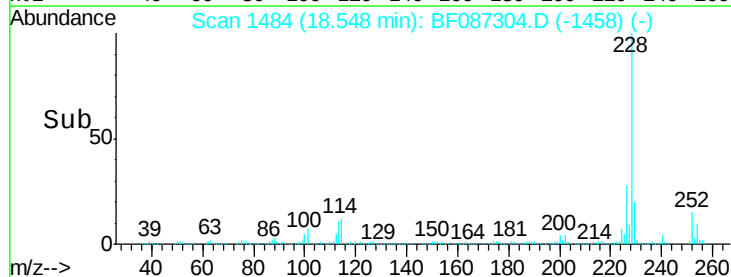
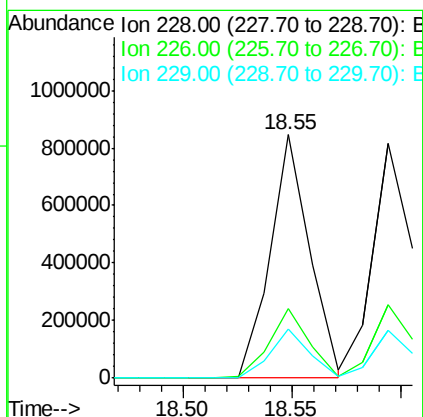
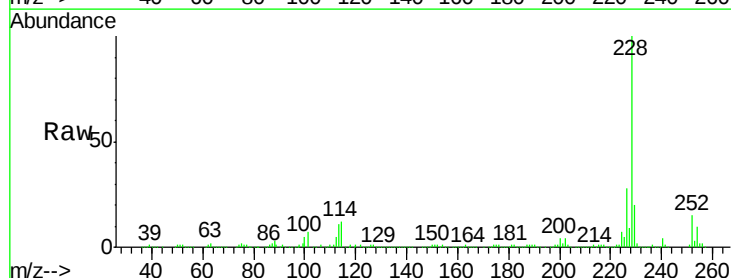
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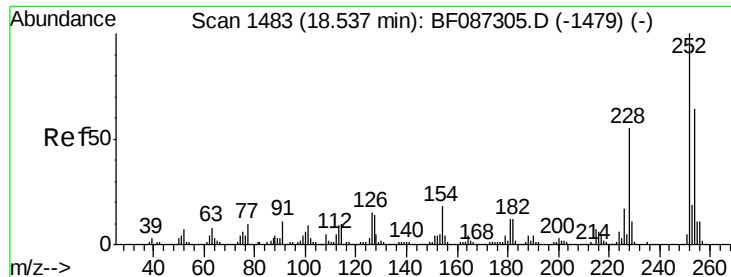
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#80  
Benzo(a)anthracene  
Concen: 46.22 ng  
RT: 18.55 min Scan# 1484  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1071733 |       |       |
| 226     | 28.5  | 22.5    | 33.7  |       |
| 229     | 20.1  | 16.6    | 25.0  |       |





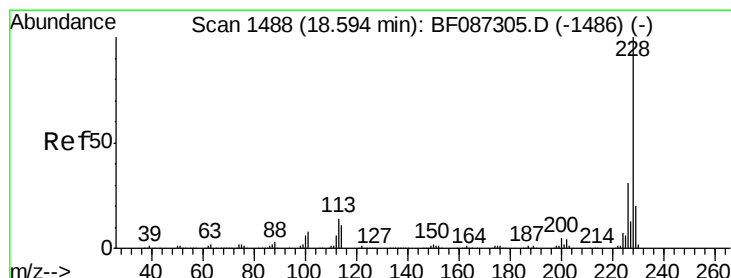
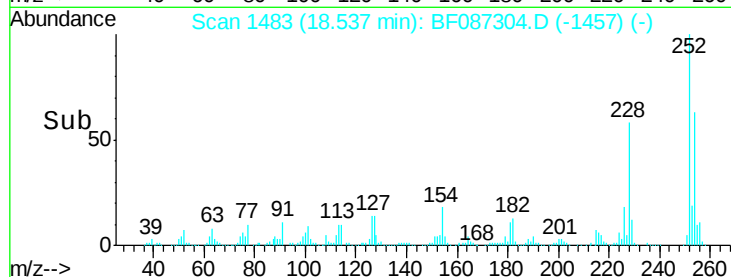
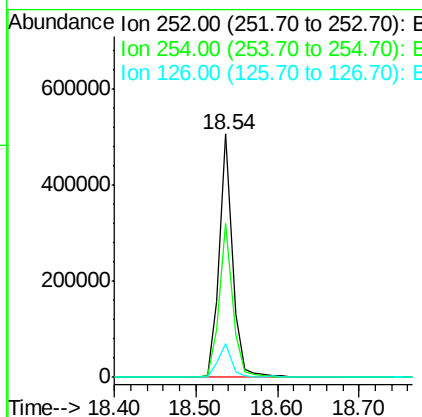
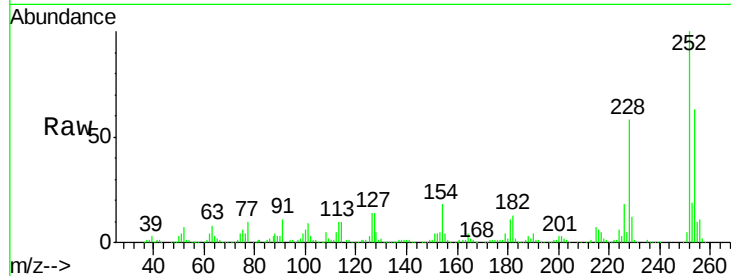
#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.20 ng  
 RT: 18.54 min Scan# 1483  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.1  | 50.7  | 76.1  |
| 126     | 14.0  | 12.7  | 19.1  |

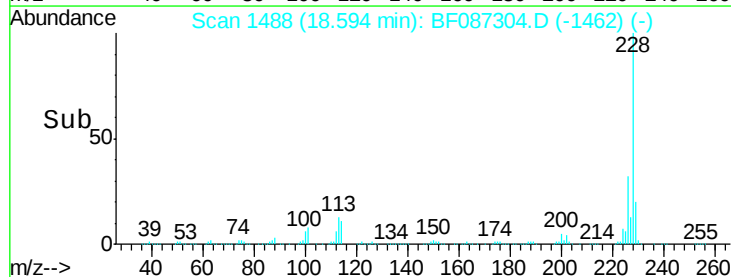
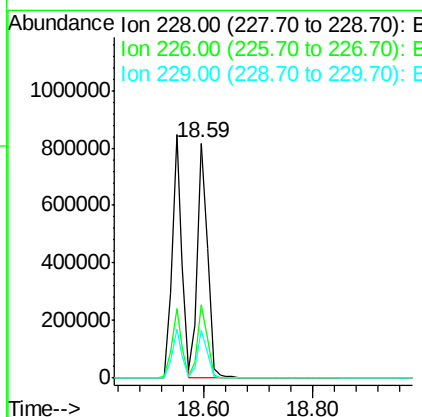
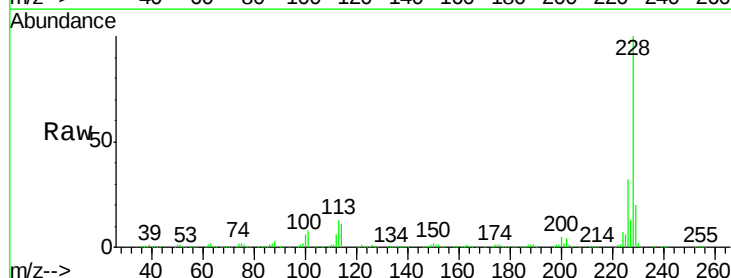
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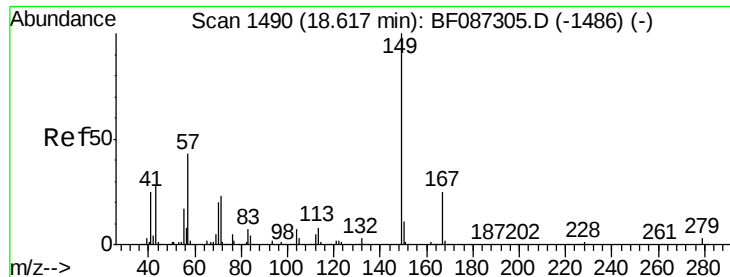
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#82  
 Chrysene  
 Concen: 46.84 ng  
 RT: 18.59 min Scan# 1488  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 24.4  | 36.6  |
| 229     | 20.2  | 15.8  | 23.8  |





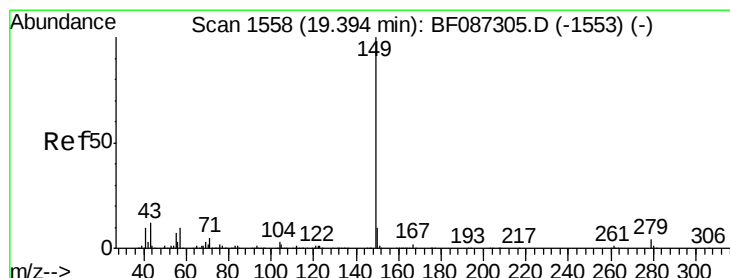
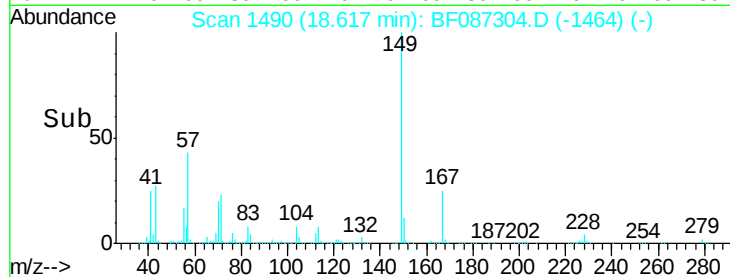
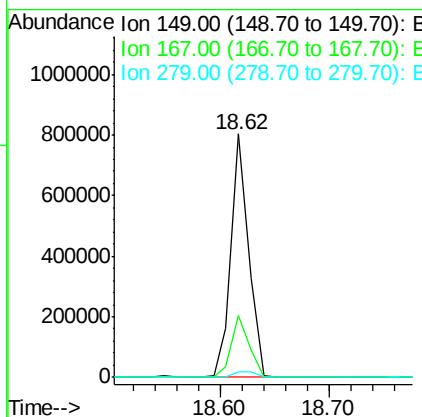
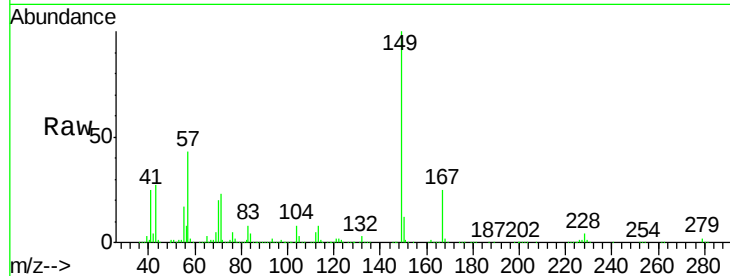
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 58.47 ng  
 RT: 18.62 min Scan# 1490  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 897586 |       |       |
| 167     | 25.3  | 21.8   | 32.6  |       |
| 279     | 2.5   | 2.6    | 4.0#  |       |

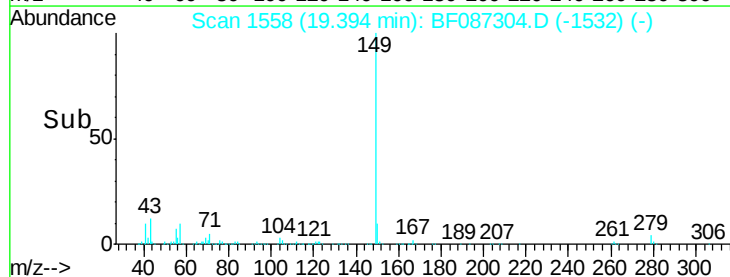
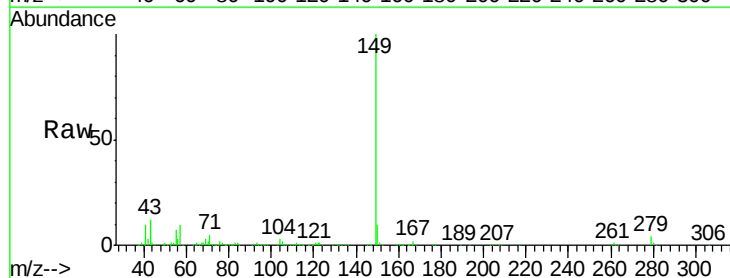
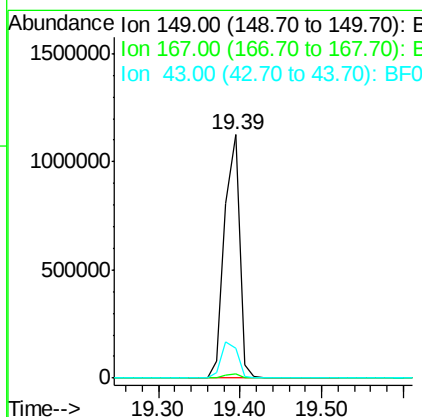
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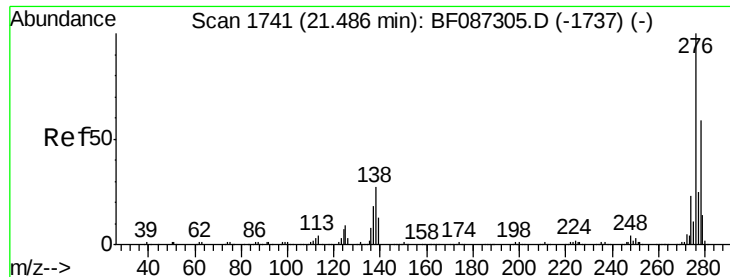
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#84  
 Di-n-octyl phthalate  
 Concen: 54.53 ng  
 RT: 19.39 min Scan# 1558  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1435384 |       |       |
| 167     | 1.5   | 1.2     | 1.8   |       |
| 43      | 16.9  | 8.2     | 12.4# |       |





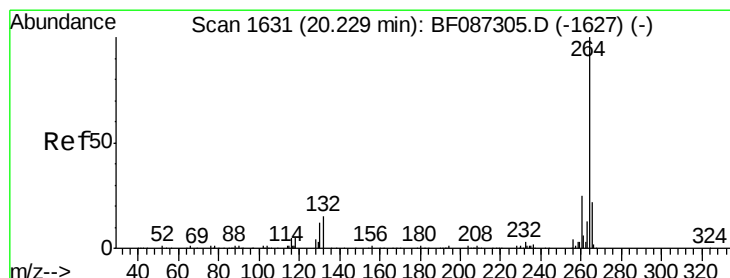
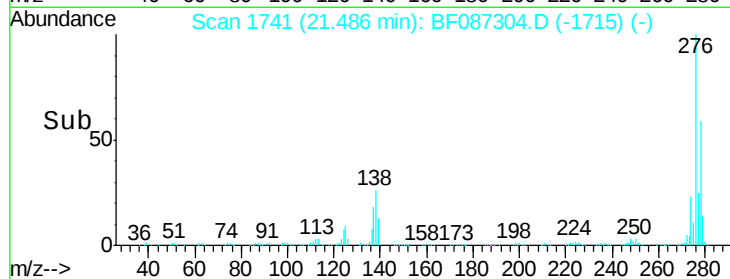
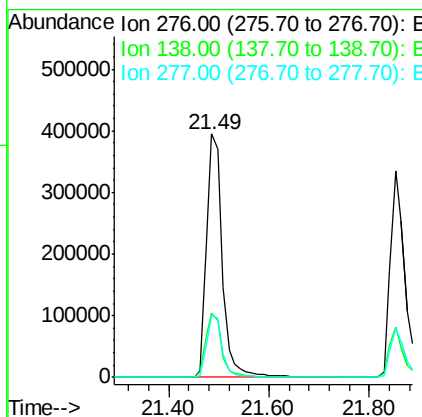
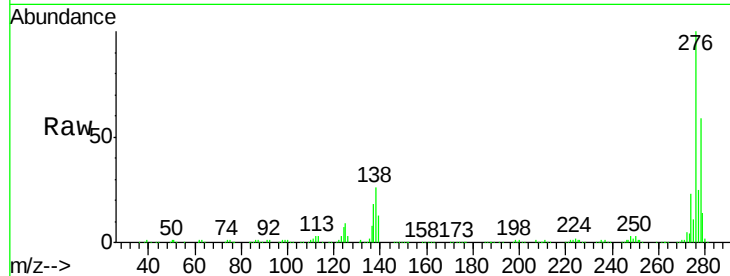
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 44.67 ng  
 RT: 21.49 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 867321 |       |       |
| 138     | 26.8  | 25.6   | 38.4  |       |
| 277     | 25.5  | 20.5   | 30.7  |       |

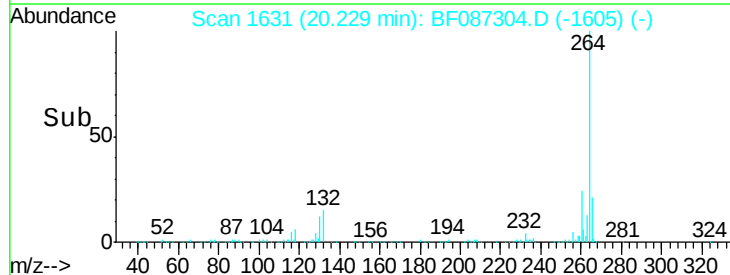
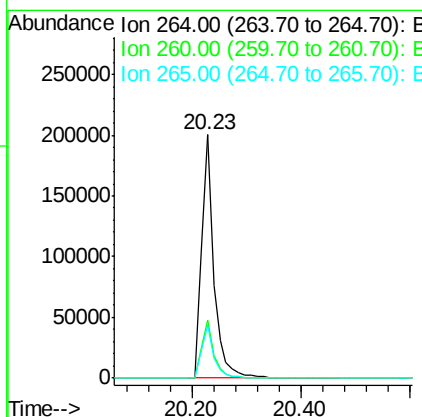
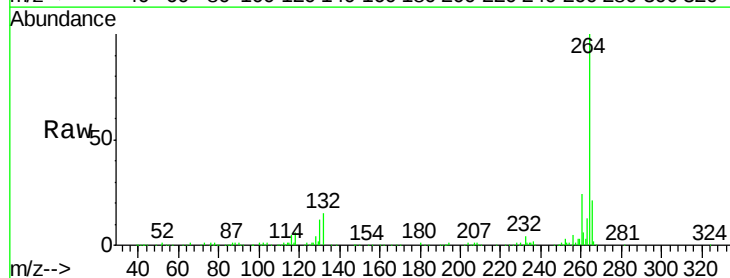
Manual Integrations  
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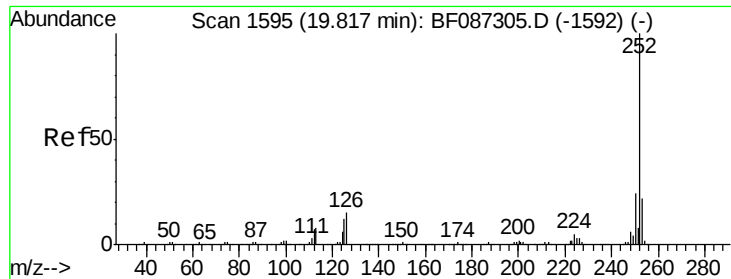
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.23 min Scan# 1631  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 308110 |       |       |
| 260     | 23.8  | 19.5   | 29.3  |       |
| 265     | 21.5  | 17.3   | 25.9  |       |





#87

Benzo(b)fluoranthene

Concen: 51.16 ng m

RT: 19.82 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

Instrument :

BNA\_F

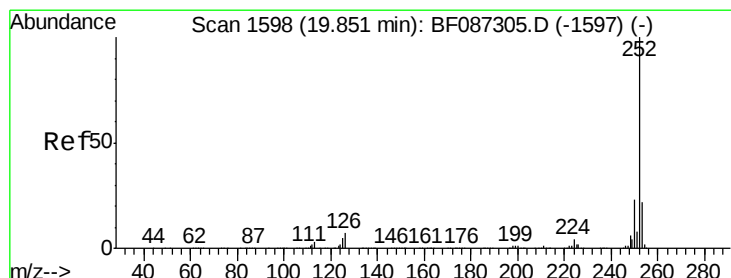
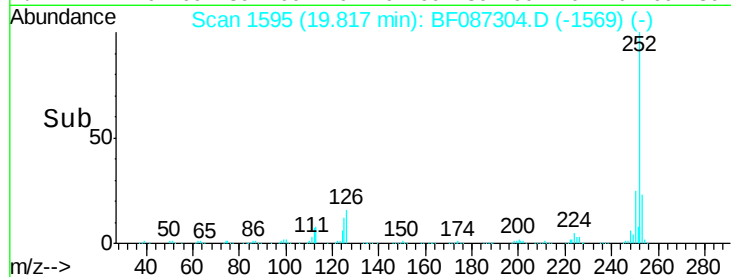
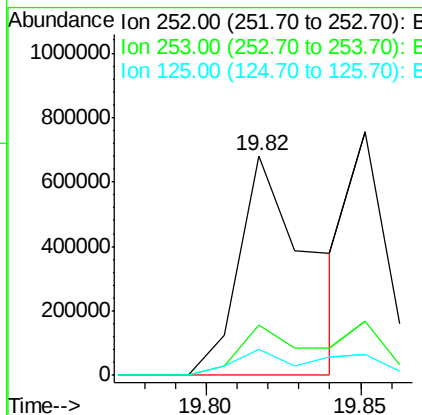
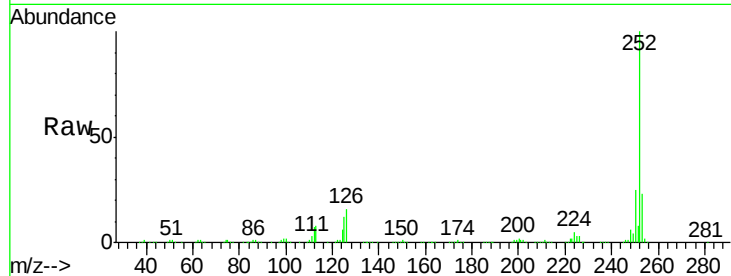
ClientSampleId :

SSTDIC050

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1076721 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.1  | 17.8  | 26.6    |
| 125       | 11.7  | 11.4  | 17.0    |

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#88

Benzo(k)fluoranthene

Concen: 48.01 ng m

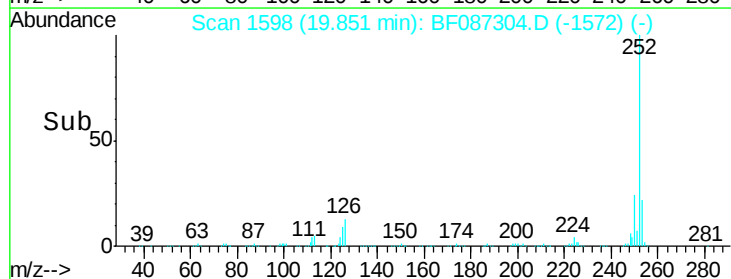
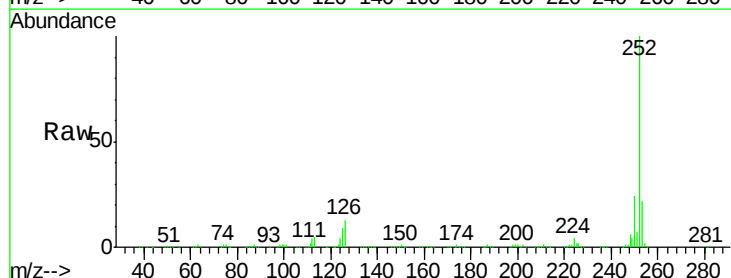
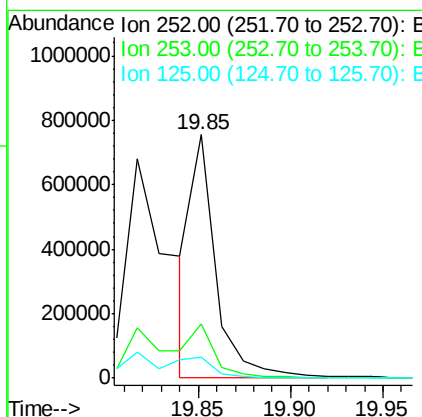
RT: 19.85 min Scan# 1598

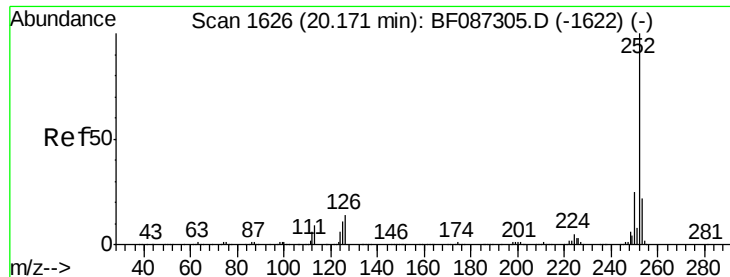
Delta R.T. -0.00 min

Lab File: BF087304.D

Acq: 23 May 2016 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 706826 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 17.8  | 26.6   |
| 125       | 8.5   | 9.1   | 13.7#  |





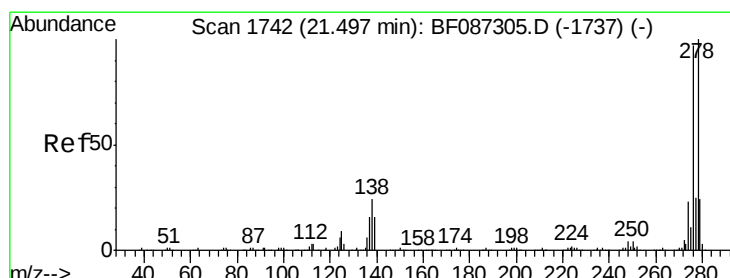
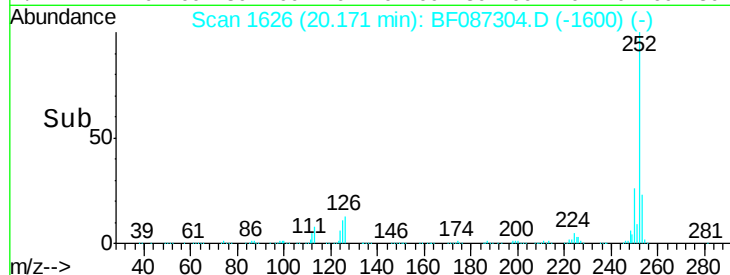
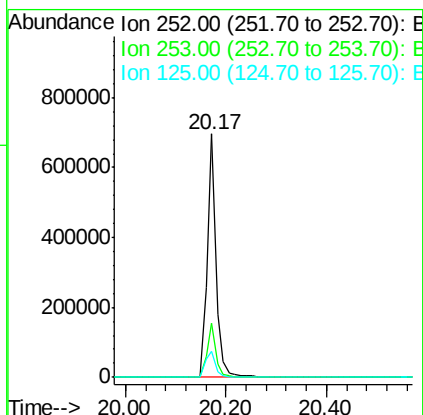
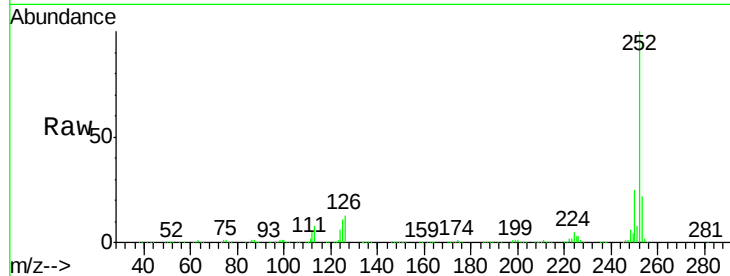
#89  
Benzo(a)pyrene  
Concen: 49.37 ng  
RT: 20.17 min Scan# 1626  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.2  | 25.8  |
| 125     | 10.7  | 9.0   | 13.6  |

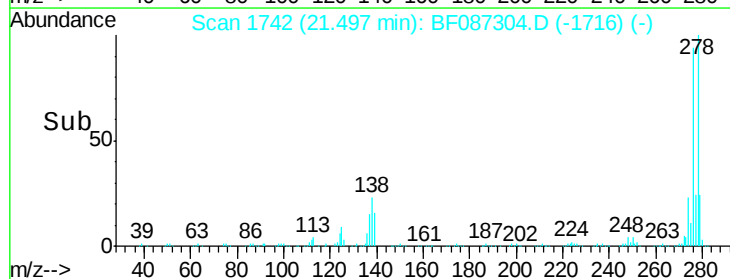
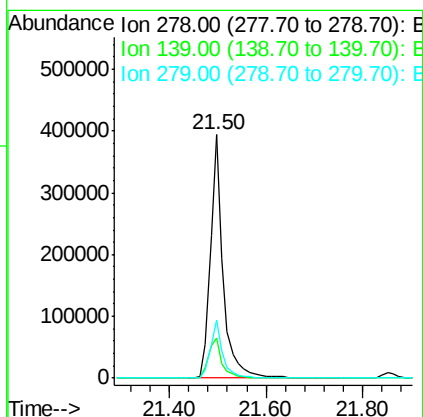
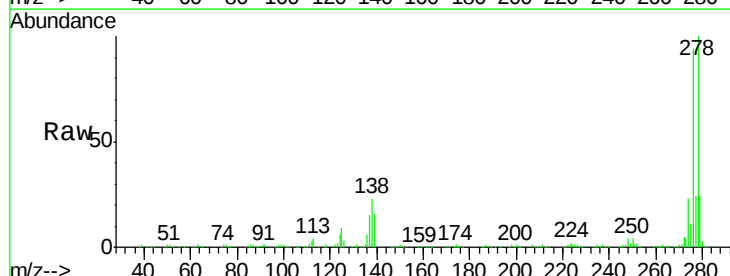
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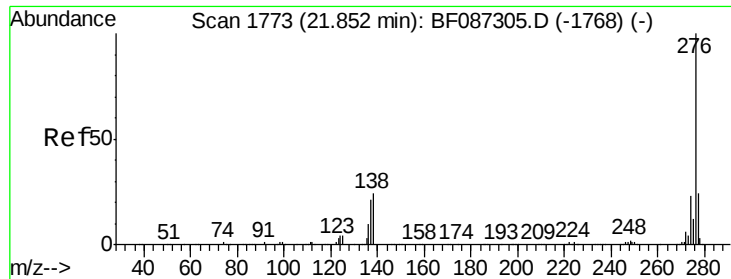
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.80 ng  
RT: 21.50 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: BF087304.D  
Acq: 23 May 2016 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.3  | 16.6  | 24.8# |
| 279     | 23.8  | 19.6  | 29.4  |





#91  
 Benzo(g,h,i)perylene  
 Concen: 50.18 ng  
 RT: 21.85 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: BF087304.D  
 Acq: 23 May 2016 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 725990 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 24.0 | 19.6  | 29.4   |
| 138       | 24.2 | 23.6  | 35.4   |

Manual Integrations  
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