

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061118\  
 Data File : BF106315.D  
 Acq On : 12 Jun 2018 00:29  
 Operator : JU/SJ  
 Sample : J3422-01MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Quant Time: Jun 12 01:47:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 11 15:00:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 204950   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 738079   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 314861   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 499689   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 478583   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.68 | 264  | 392634   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 1364944 | 112.72 | ng | 0.01 |
| 7) Phenol-d6             | 6.60  | 99  | 1730196 | 113.09 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.54  | 82  | 1150450 | 91.70  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 400368  | 132.16 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 1657649 | 98.04  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.09 | 244 | 1483894 | 77.01  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.86 | 88  | 196008  | 31.276 | ng | 96     |
| 3) Pyridine                    | 3.63 | 79  | 579010  | 33.154 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.59 | 42  | 281075  | 35.132 | ng | # 95   |
| 6) Aniline                     | 6.64 | 93  | 389519  | 17.436 | ng | 98     |
| 8) 2-Chlorophenol              | 6.76 | 128 | 501820  | 38.536 | ng | 97     |
| 9) Benzaldehyde                | 6.52 | 77  | 380807  | 32.816 | ng | 98     |
| 10) Phenol                     | 6.61 | 94  | 661258  | 39.592 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 6.71 | 93  | 537697  | 37.607 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 577017  | 37.649 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 577646  | 37.141 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.15 | 146 | 545614  | 37.266 | ng | 96     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 500189  | 38.177 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 868469  | 42.374 | ng | 98     |
| 17) 2-Methylphenol             | 7.21 | 107 | 458004  | 39.421 | ng | 98     |
| 18) Hexachloroethane           | 7.48 | 117 | 181441  | 32.741 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 377275  | 32.870 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 567929  | 38.224 | ng | 96     |
| 22) Acetophenone               | 7.38 | 105 | 721334  | 38.781 | ng | # 96   |
| 24) Nitrobenzene               | 7.55 | 77  | 577206  | 42.328 | ng | 96     |
| 25) Isophorone                 | 7.79 | 82  | 1042726 | 42.550 | ng | 98     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 264972  | 50.061 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 490263  | 47.257 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93  | 661475  | 41.629 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 440392  | 44.001 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180 | 451308  | 40.216 | ng | 95     |
| 31) Naphthalene                | 8.28 | 128 | 1320059 | 39.564 | ng | # 95   |
| 32) Benzoic acid               | 8.00 | 122 | 236515  | 33.505 | ng | 92     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 321614  | 21.751 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 289541  | 40.160 | ng | 97     |
| 35) Caprolactam                | 8.69 | 113 | 138038  | 40.775 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 452405  | 40.863 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 902940  | 39.733 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 456586  | 44.670 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 112952  | 20.029 | ng | 95     |

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 Sample : J3422-01MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

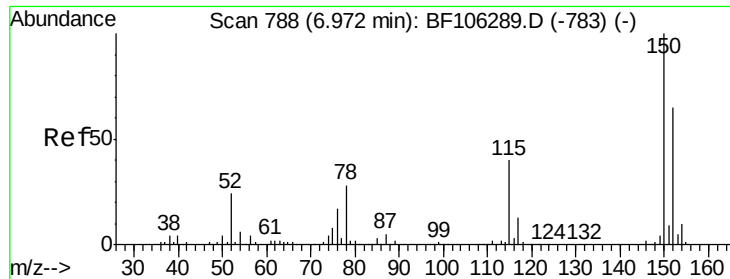
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Quant Time: Jun 12 01:47:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 11 15:00:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 312428   | 47.964 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.28  | 196  | 320353   | 45.621 | ng    | 91       |
| 45) 1,1'-Biphenyl              | 9.43  | 154  | 1040763  | 42.676 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.46  | 162  | 828186   | 42.435 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 292652   | 47.667 | ng    | 95       |
| 48) Acenaphthylene             | 9.88  | 152  | 1245740  | 41.702 | ng    | 96       |
| 49) Dimethylphthalate          | 9.73  | 163  | 1178231  | 52.377 | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 206883   | 45.024 | ng    | 96       |
| 51) Acenaphthene               | 10.05 | 154  | 752685   | 39.016 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 164485   | 30.160 | ng    | 91       |
| 53) 2,4-Dinitrophenol          | 10.07 | 184  | 71569    | 38.885 | ng    | # 18     |
| 54) Dibenzofuran               | 10.22 | 168  | 1048010  | 40.342 | ng    | 94       |
| 55) 4-Nitrophenol              | 10.11 | 139  | 317682   | 75.996 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 253822   | 43.988 | ng    | 95       |
| 57) Fluorene                   | 10.57 | 166  | 783536   | 38.068 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 248759   | 44.696 | ng    | # 85     |
| 59) Diethylphthalate           | 10.43 | 149  | 910608   | 40.784 | ng    | 94       |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204  | 423801   | 39.148 | ng    | # 88     |
| 61) 4-Nitroaniline             | 10.58 | 138  | 177786   | 33.506 | ng    | 99       |
| 62) Azobenzene                 | 10.71 | 77   | 895536   | 38.465 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 55936    | 24.325 | ng    | 84       |
| 65) n-Nitrosodiphenylamine     | 10.67 | 169  | 765541   | 45.585 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 11.04 | 248  | 267717   | 47.105 | ng    | # 87     |
| 67) Hexachlorobenzene          | 11.11 | 284  | 256958   | 43.855 | ng    | 91       |
| 68) Atrazine                   | 11.20 | 200  | 242276   | 46.813 | ng    | 95       |
| 69) Pentachlorophenol          | 11.30 | 266  | 280940   | 77.879 | ng    | 99       |
| 70) Phenanthrene               | 11.53 | 178  | 1031807  | 42.163 | ng    | 99       |
| 71) Anthracene                 | 11.58 | 178  | 1062048  | 43.320 | ng    | 98       |
| 72) Carbazole                  | 11.73 | 167  | 946205   | 41.805 | ng    | 98       |
| 73) Di-n-butylphthalate        | 12.05 | 149  | 1179370  | 46.818 | ng    | 98       |
| 74) Fluoranthene               | 12.72 | 202  | 1083093  | 41.501 | ng    | 97       |
| 76) Benzidine                  | 12.84 | 184  | 969446   | 60.865 | ng    | 99       |
| 77) Pyrene                     | 12.95 | 202  | 1114250  | 37.188 | ng    | 97       |
| 79) Butylbenzylphthalate       | 13.56 | 149  | 495769   | 44.203 | ng    | # 95     |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 1174373  | 41.235 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 451782   | 47.016 | ng    | 98       |
| 82) Chrysene                   | 14.18 | 228  | 1070742  | 41.178 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 702642   | 43.693 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 1196654  | 51.617 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 17.24 | 276  | 808104   | 38.941 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 1080833  | 45.539 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 15.25 | 252  | 923084   | 39.271 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 15.61 | 252  | 901855   | 42.245 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.25 | 278  | 683623   | 38.411 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.71 | 276  | 638296   | 36.903 | ng    | 94       |

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



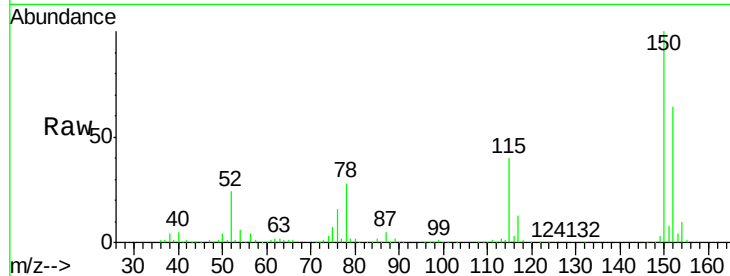


#1

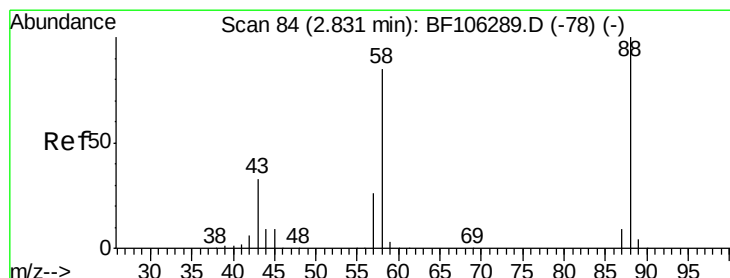
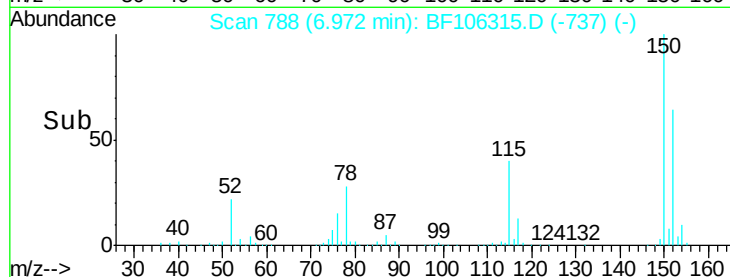
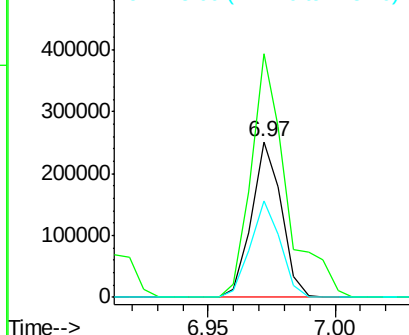
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
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SP-1MSD

Tgt Ion:152 Resp: 204950  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 62.3 50.1 75.1



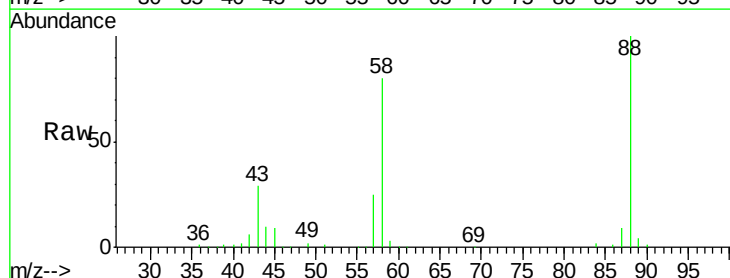
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



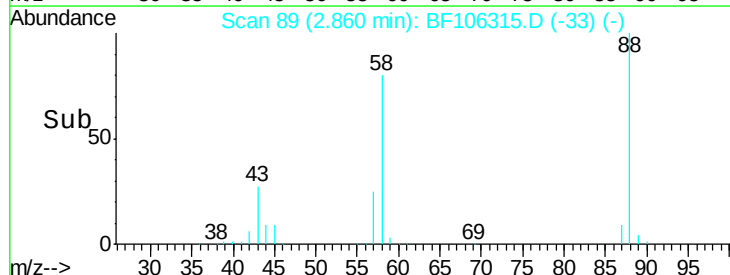
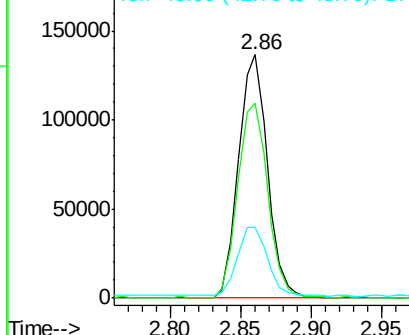
#2

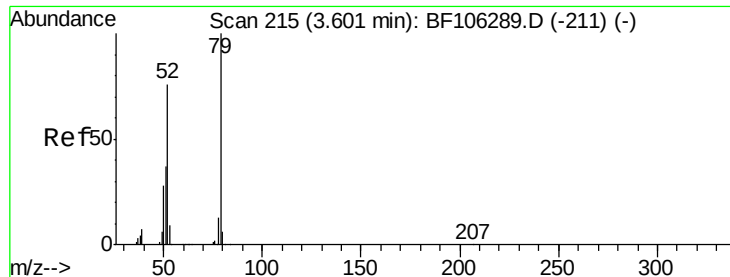
1,4-Dioxane  
Concen: 31.276 ng  
RT: 2.86 min Scan# 89  
Delta R.T. 0.03 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion: 88 Resp: 196008  
Ion Ratio Lower Upper  
88 100  
58 82.1 62.6 93.8  
43 29.3 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 33.154 ng

RT: 3.63 min Scan# 220

Delta R.T. 0.03 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

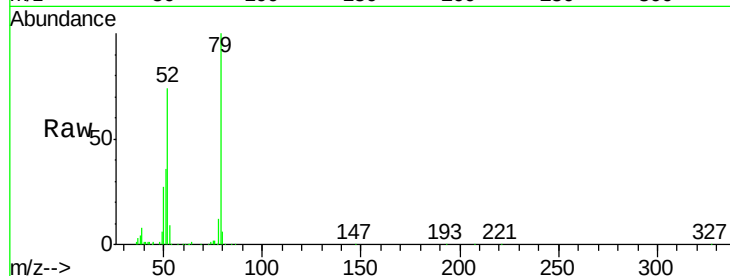
Tgt Ion: 79 Resp: 579010

Ion Ratio Lower Upper

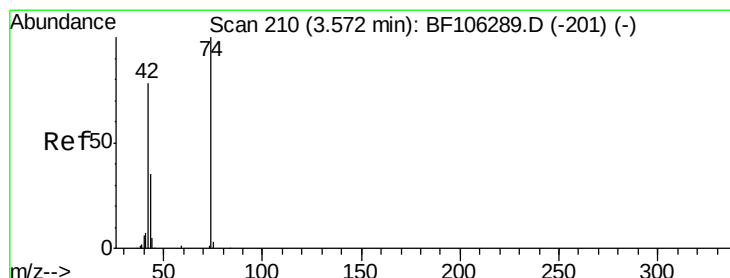
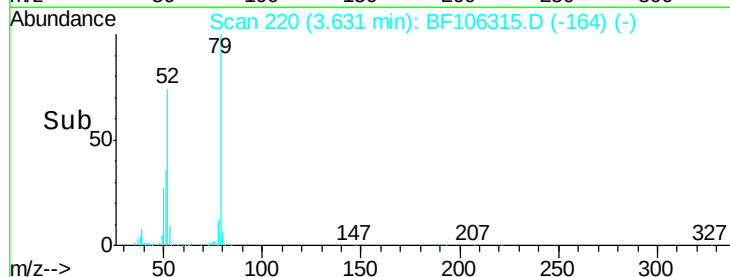
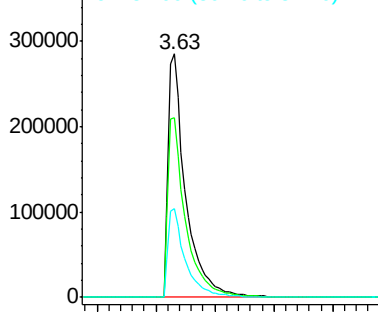
79 100

52 73.8 59.8 89.6

51 36.2 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 35.132 ng

RT: 3.59 min Scan# 213

Delta R.T. 0.02 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

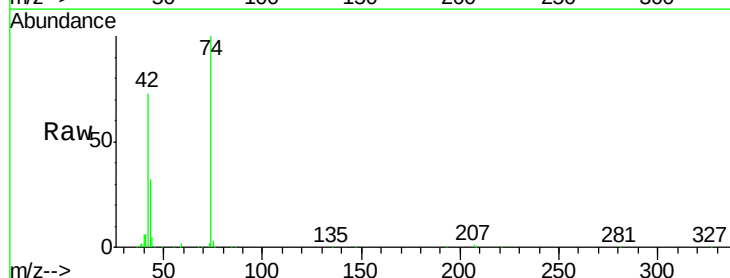
Tgt Ion: 42 Resp: 281075

Ion Ratio Lower Upper

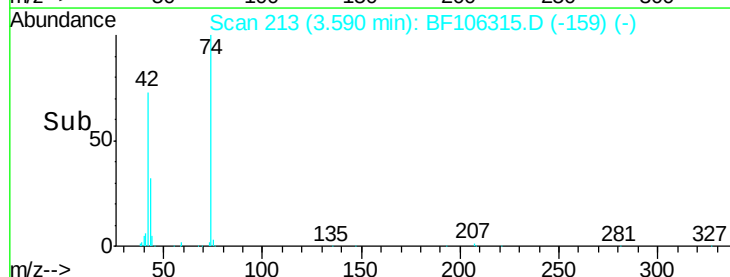
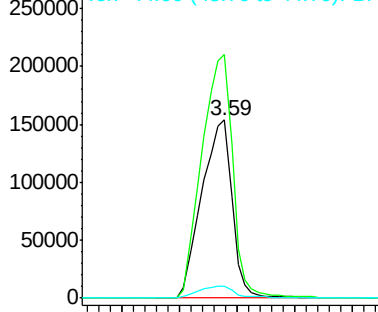
42 100

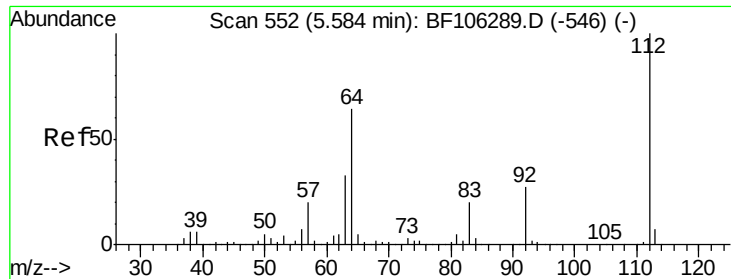
74 136.9 104.9 157.3

44 6.7 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 112.719 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

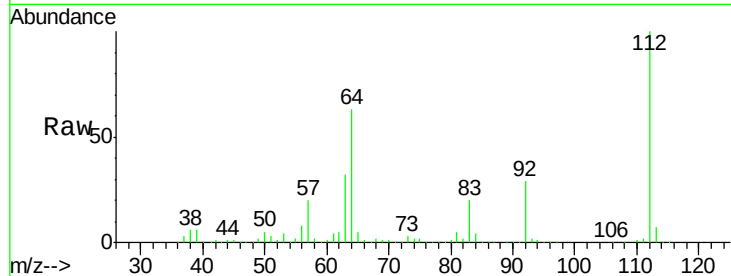
Tgt Ion: 112 Resp: 1364944

Ion Ratio Lower Upper

112 100

64 62.9 47.9 71.9

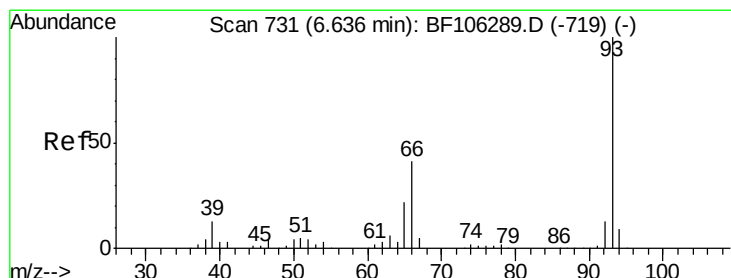
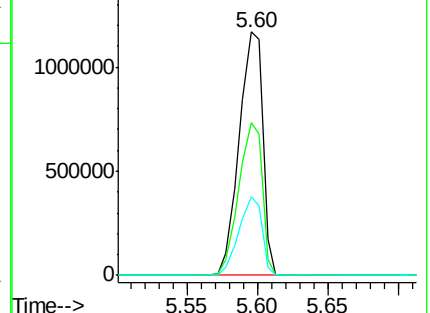
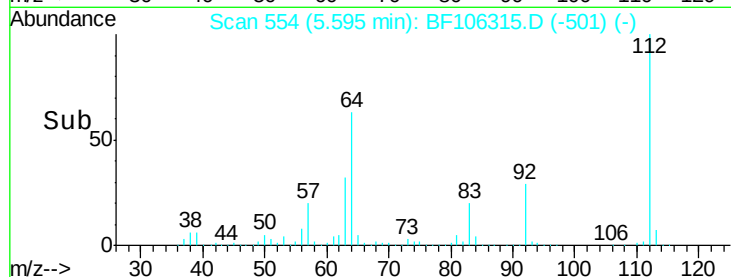
63 32.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 17.436 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

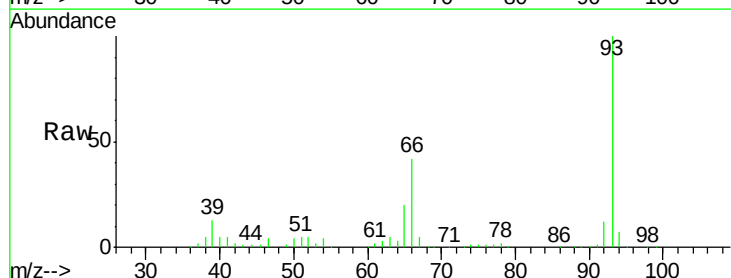
Tgt Ion: 93 Resp: 389519

Ion Ratio Lower Upper

93 100

66 41.7 32.2 48.2

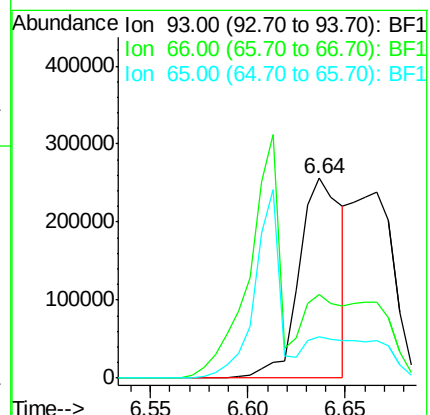
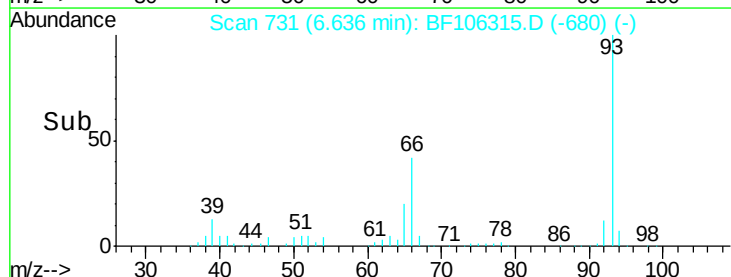
65 20.5 16.4 24.6

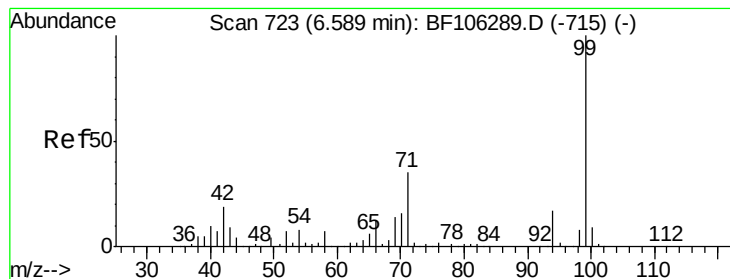


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.092 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

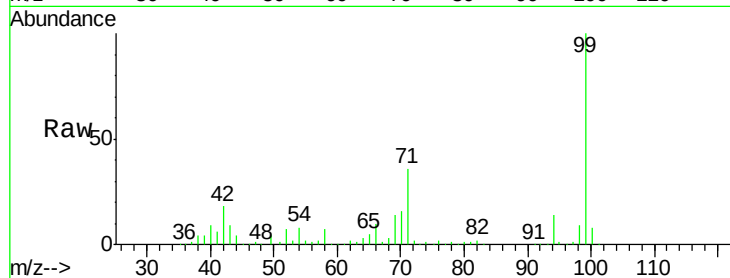
Tgt Ion: 99 Resp: 1730196

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

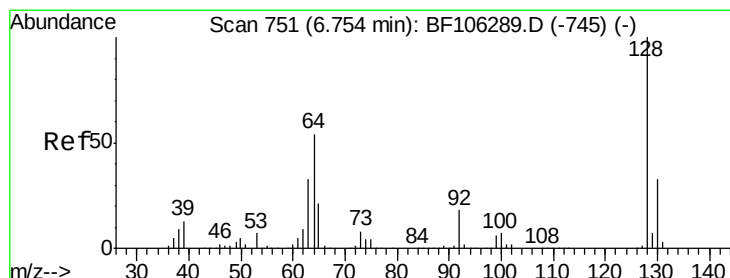
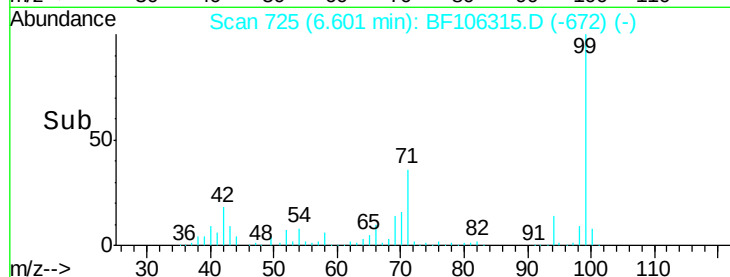
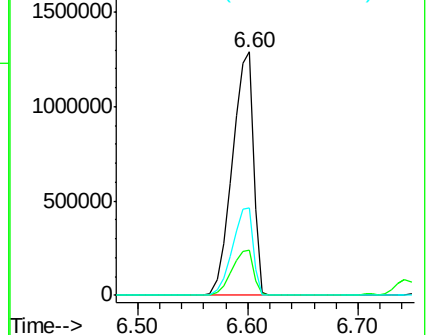
71 35.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.536 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

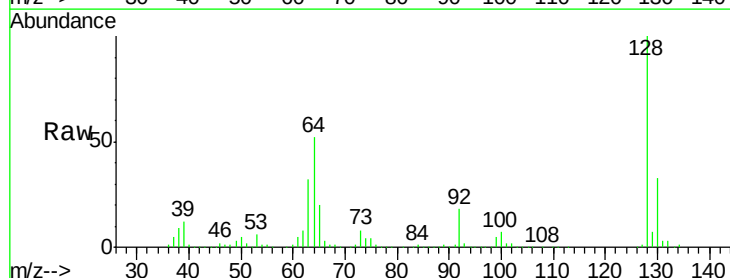
Tgt Ion: 128 Resp: 501820

Ion Ratio Lower Upper

128 100

130 33.1 13.0 53.0

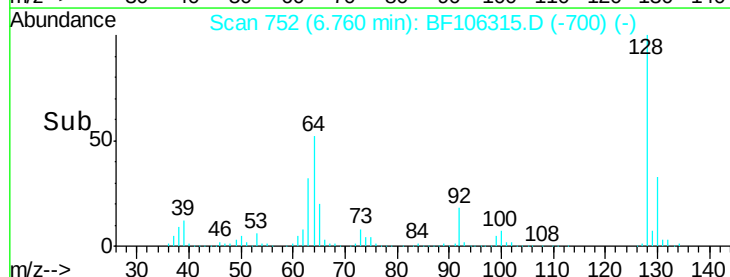
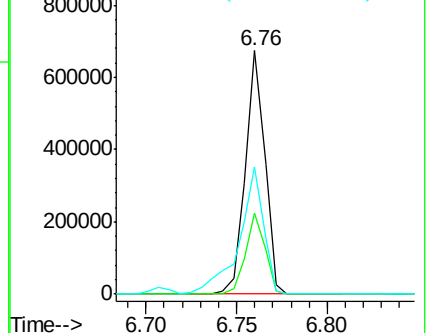
64 52.4 29.4 69.4



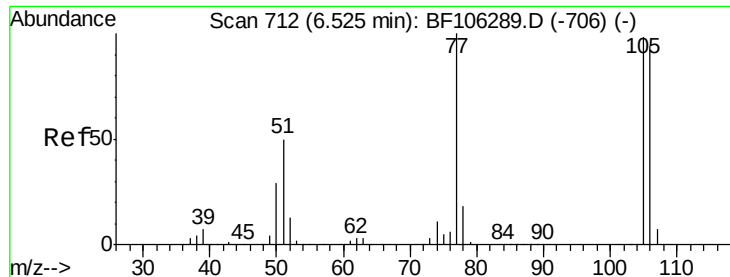
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 32.816 ng

RT: 6.52 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampled :

SP-1MSD

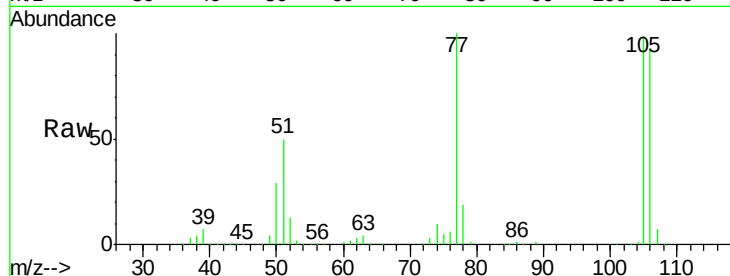
Tgt Ion: 77 Resp: 380807

Ion Ratio Lower Upper

77 100

105 99.0 81.1 121.1

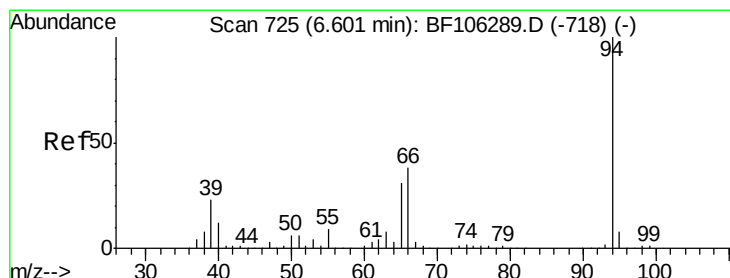
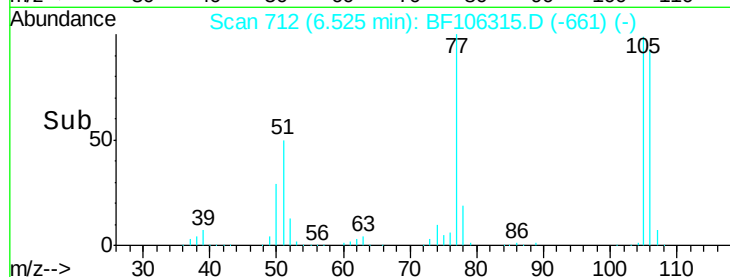
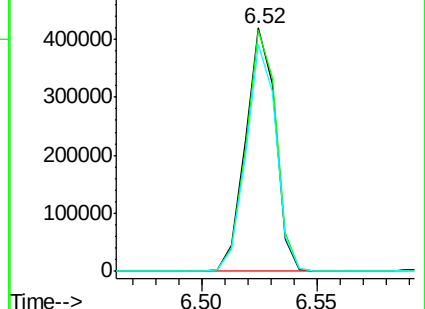
106 93.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.592 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

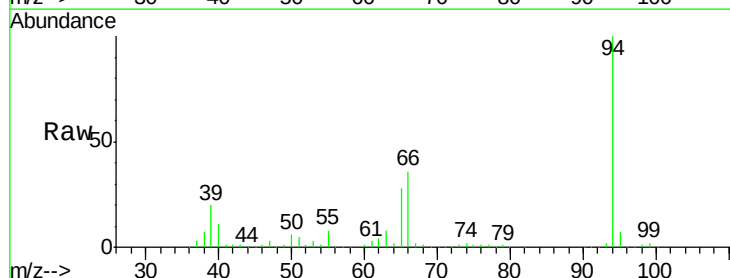
Tgt Ion: 94 Resp: 661258

Ion Ratio Lower Upper

94 100

65 27.8 7.9 47.9

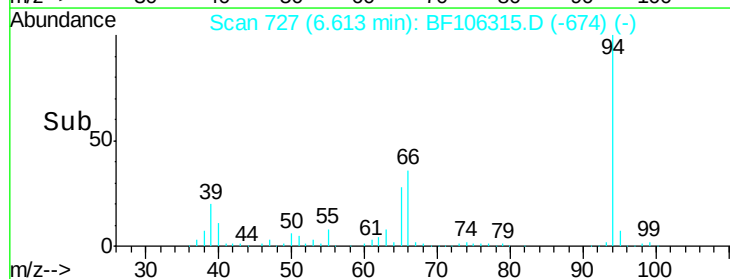
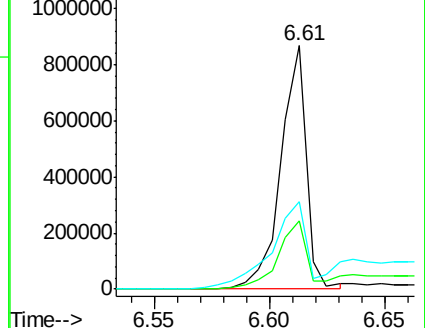
66 35.9 16.2 56.2



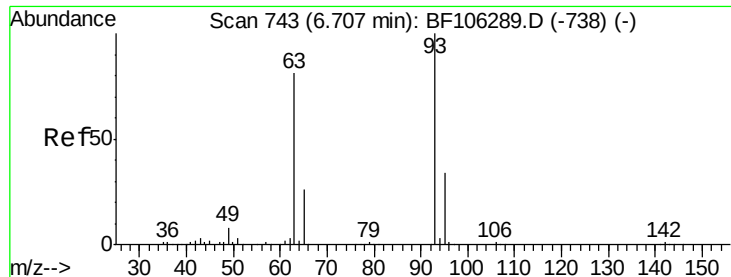
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



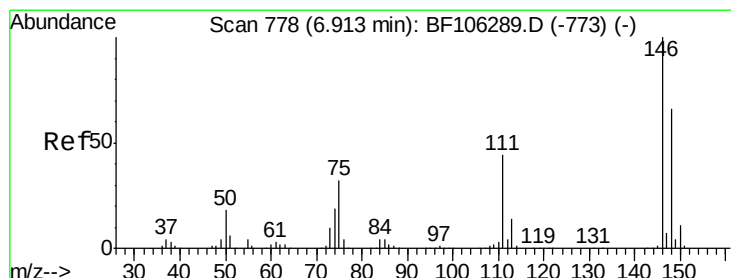
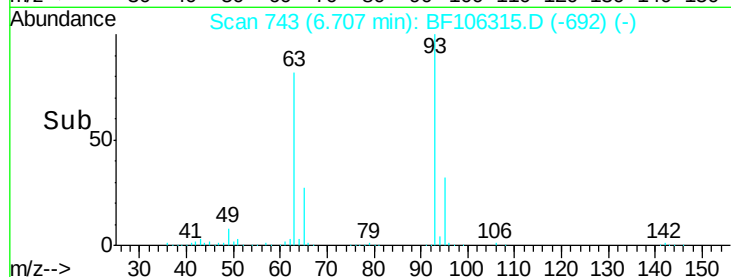
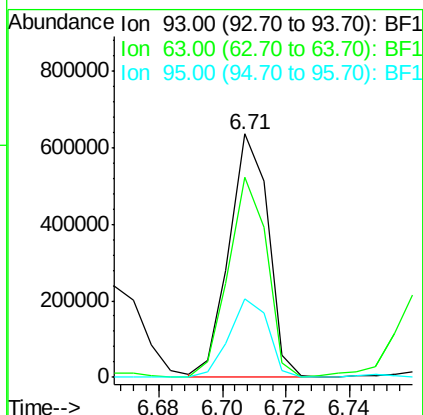
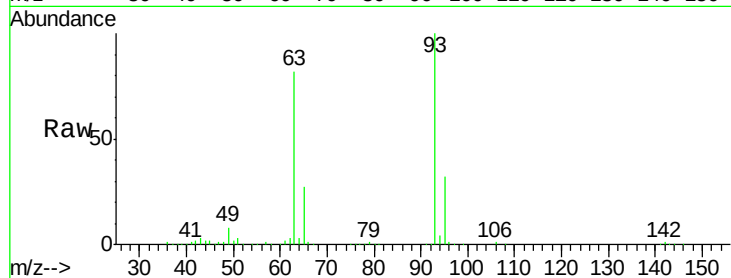




#11  
 bis(2-Chloroethyl)ether  
 Concen: 37.607 ng  
 RT: 6.71 min Scan# 743  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

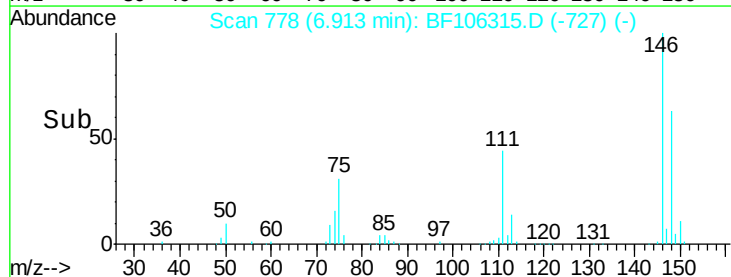
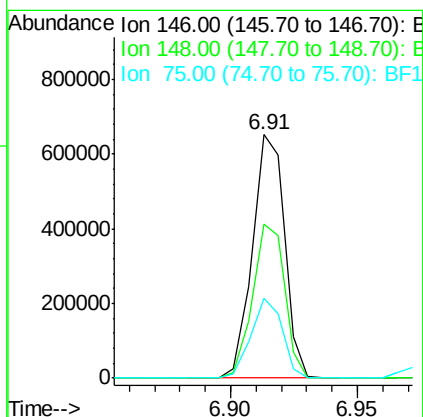
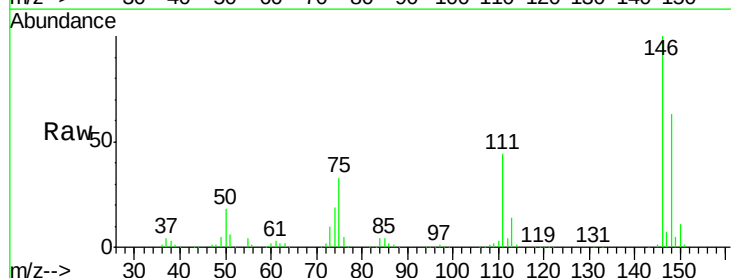
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

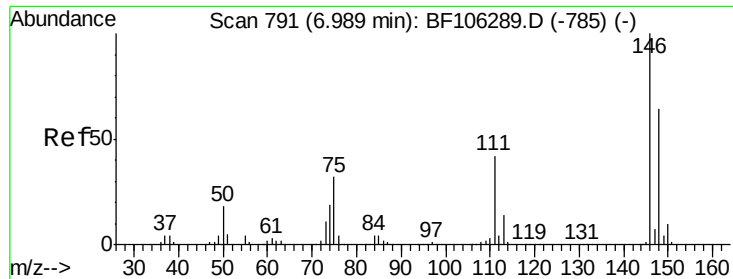
Tgt Ion: 93 Resp: 537697  
 Ion Ratio Lower Upper  
 93 100  
 63 82.3 58.6 98.6  
 95 32.4 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 37.649 ng  
 RT: 6.91 min Scan# 778  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion: 146 Resp: 577017  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 51.8 77.8  
 75 32.8 24.2 36.4

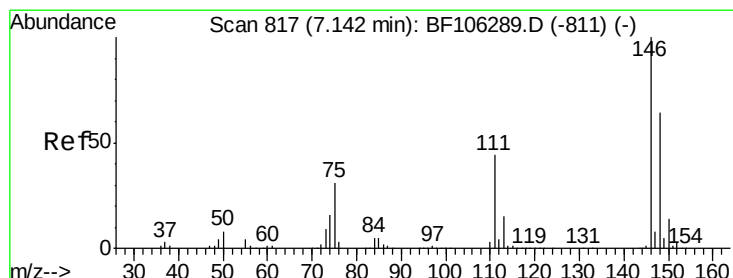
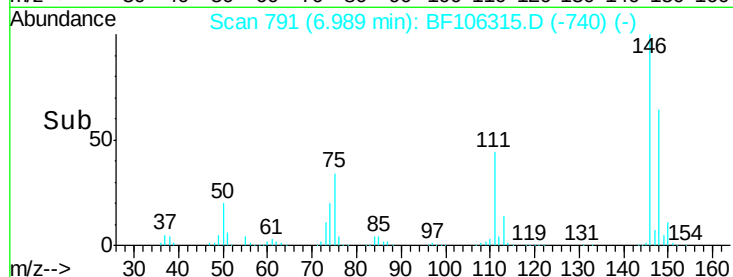
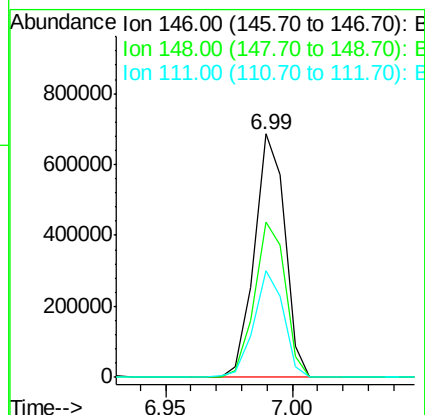
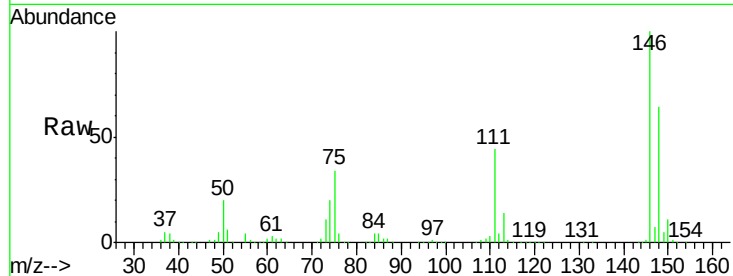




#13  
 1,4-Dichlorobenzene  
 Concen: 37.141 ng  
 RT: 6.99 min Scan# 791  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

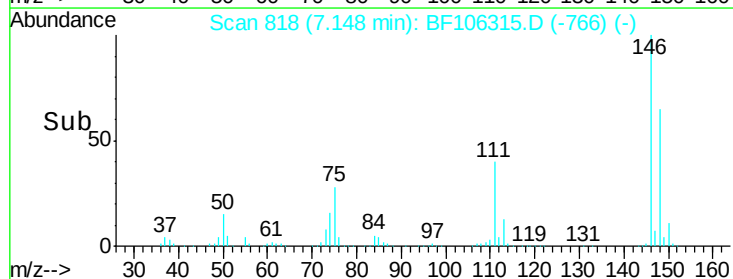
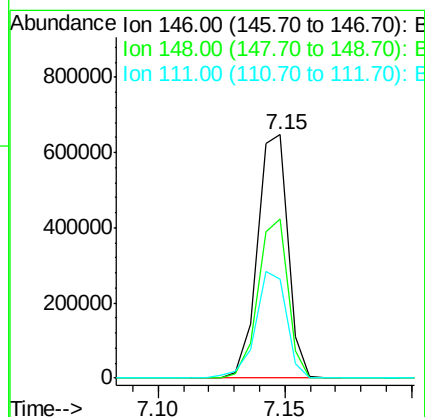
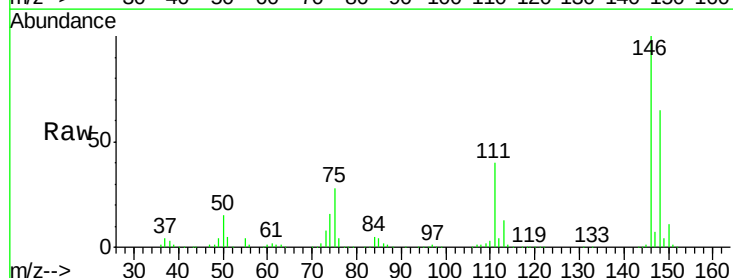
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

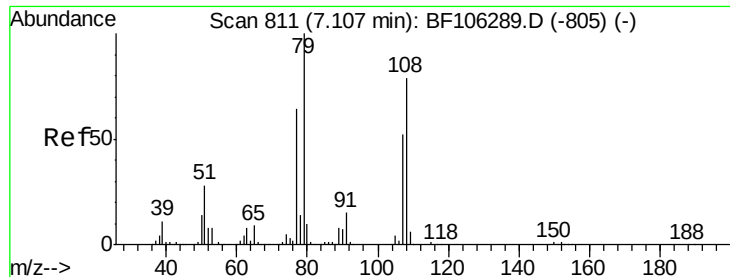
Tgt Ion:146 Resp: 577646  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 50.8 76.2  
 111 43.7 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 37.266 ng  
 RT: 7.15 min Scan# 818  
 Delta R.T. 0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion:146 Resp: 545614  
 Ion Ratio Lower Upper  
 146 100  
 148 65.3 50.6 75.8  
 111 40.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 38.177 ng

RT: 7.11 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

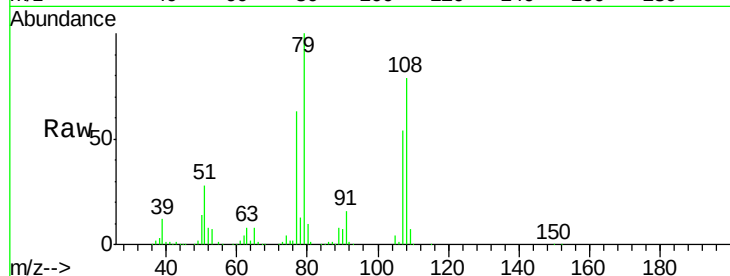
Tgt Ion: 79 Resp: 500189

Ion Ratio Lower Upper

79 100

108 79.0 65.1 97.7

77 63.0 50.6 75.8

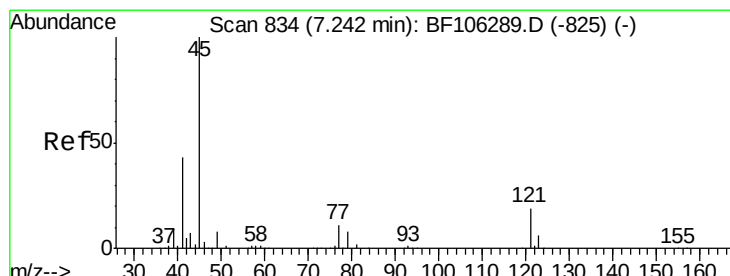
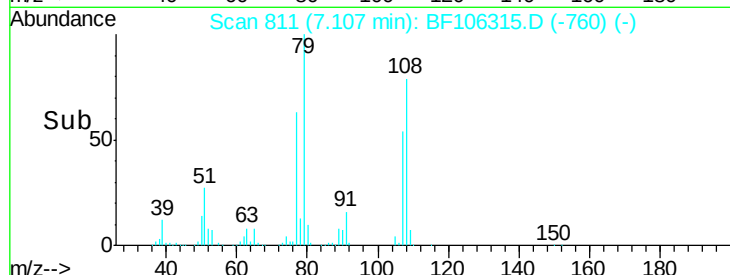
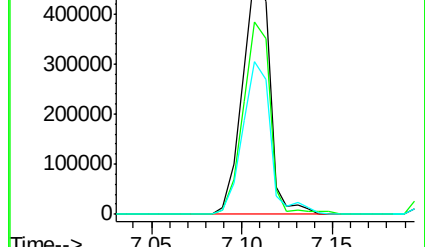


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time-->



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.374 ng

RT: 7.24 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

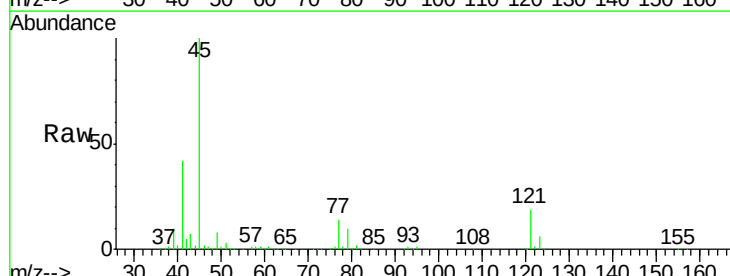
Tgt Ion: 45 Resp: 868469

Ion Ratio Lower Upper

45 100

77 13.9 0.0 32.9

79 10.5 0.0 29.6

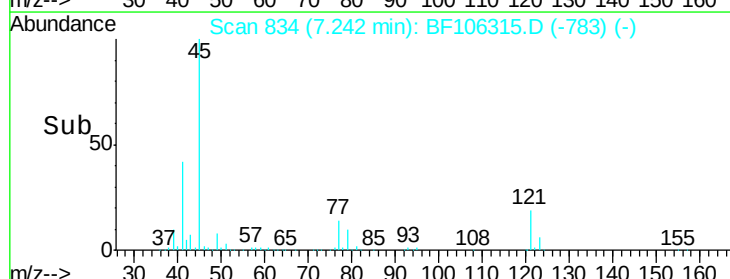
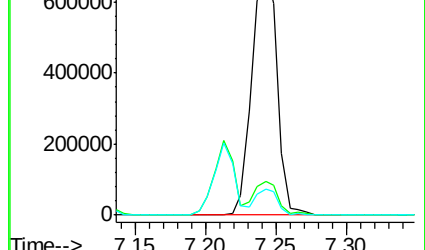


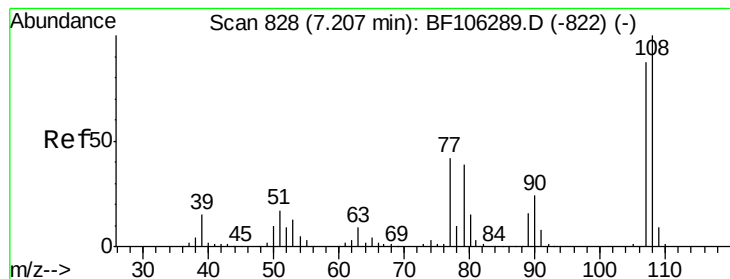
Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->





#17

2-Methylphenol

Concen: 39.421 ng

RT: 7.21 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

Tgt Ion:107 Resp: 458004

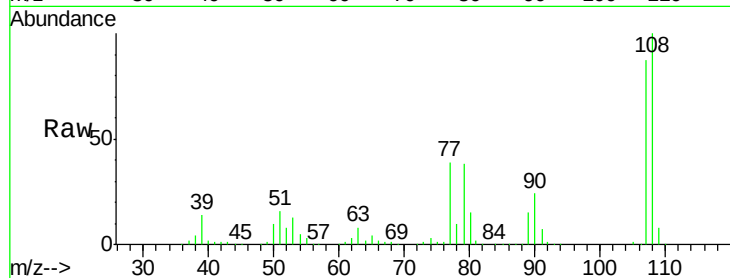
Ion Ratio Lower Upper

107 100

108 115.2 91.7 137.5

77 45.5 33.8 50.8

79 44.1 33.8 50.8

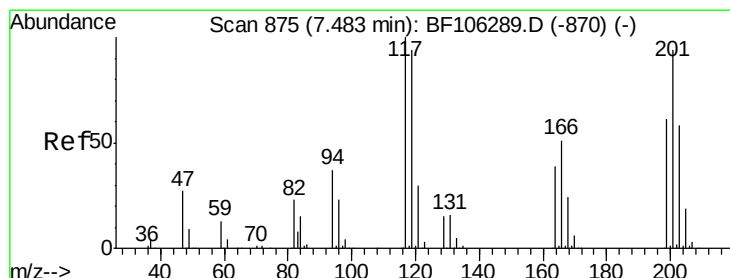
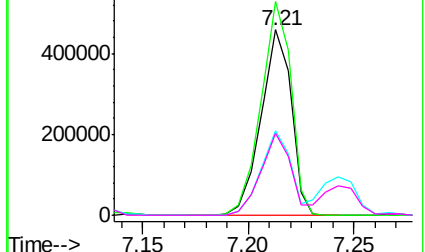
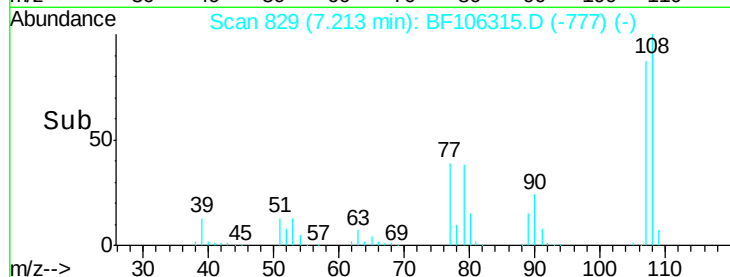


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 32.741 ng

RT: 7.48 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

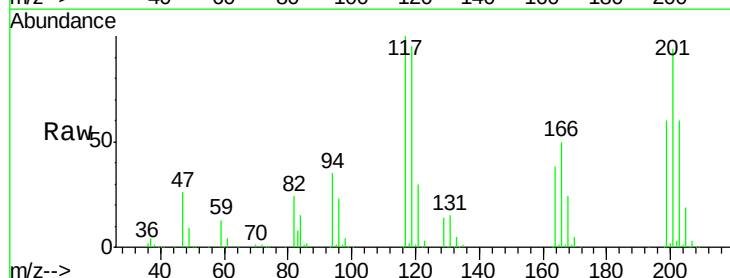
Tgt Ion:117 Resp: 181441

Ion Ratio Lower Upper

117 100

119 95.1 75.8 113.8

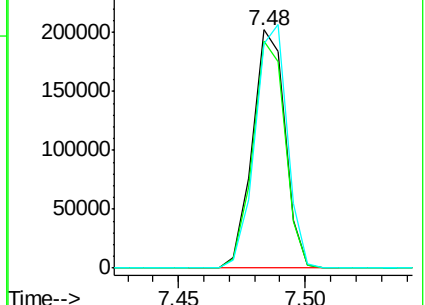
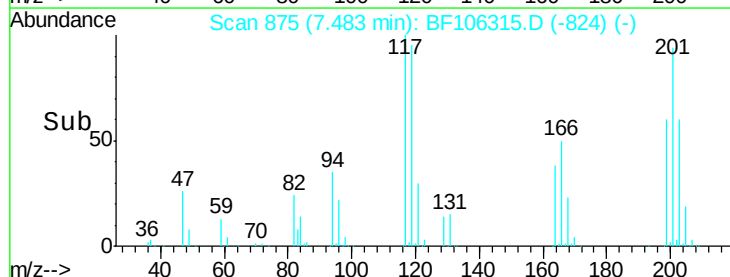
201 94.0 75.7 113.5

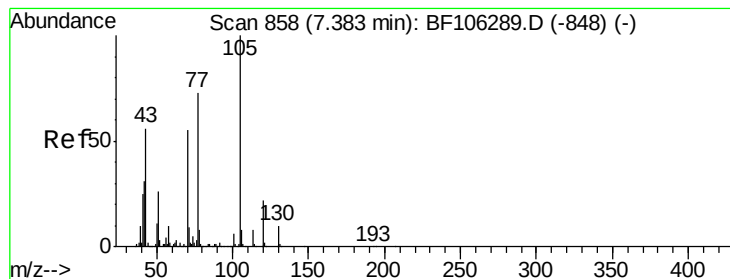


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 32.870 ng

RT: 7.38 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

Tgt Ion: 70 Resp: 377275

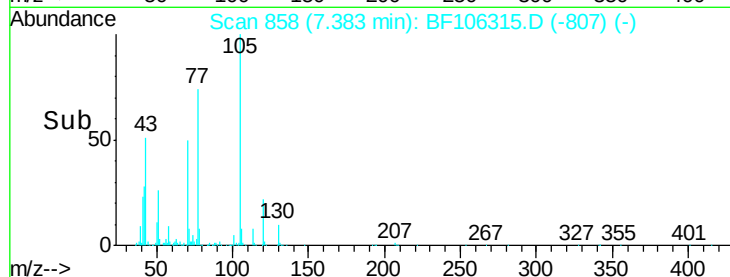
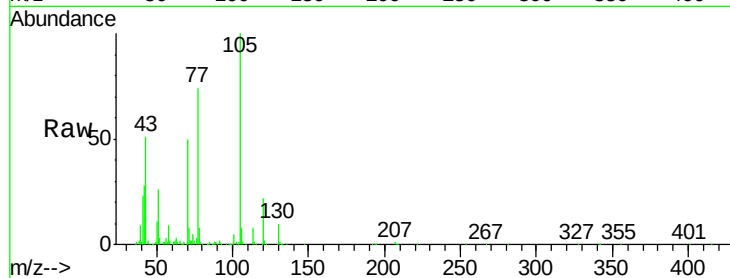
Ion Ratio Lower Upper

70 100

42 56.5 47.5 71.3

101 9.9 7.4 11.2

130 19.9 16.6 25.0

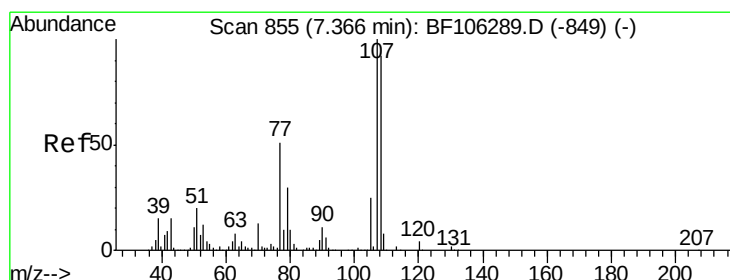
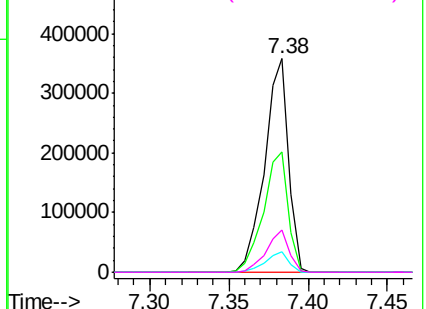


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 38.224 ng

RT: 7.37 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Tgt Ion: 107 Resp: 567929

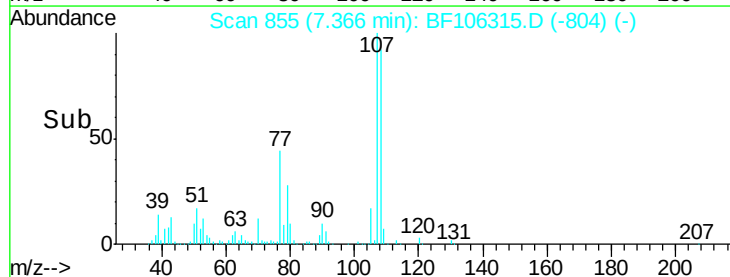
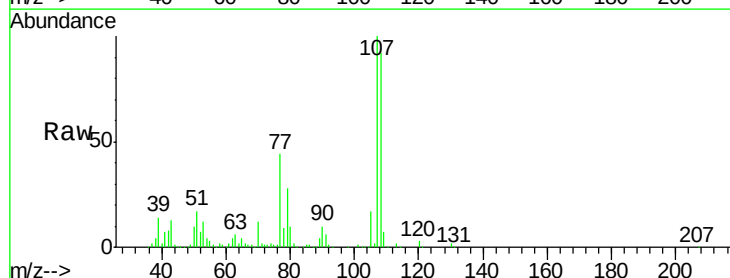
Ion Ratio Lower Upper

107 100

108 92.0 68.2 108.2

77 44.4 26.7 66.7

79 27.7 6.3 46.3

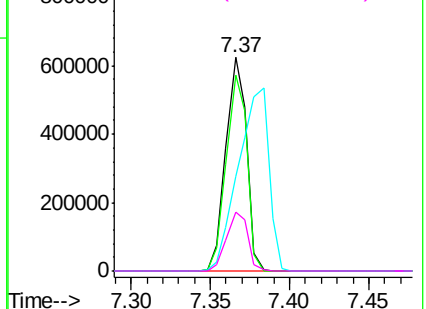


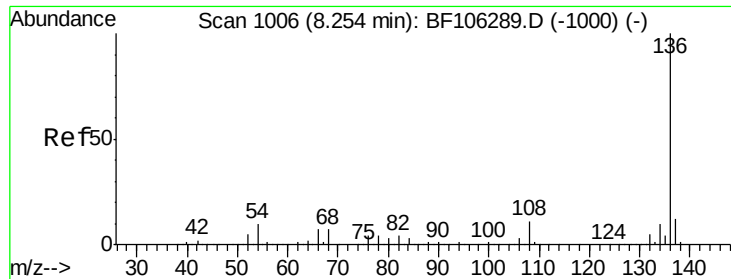
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

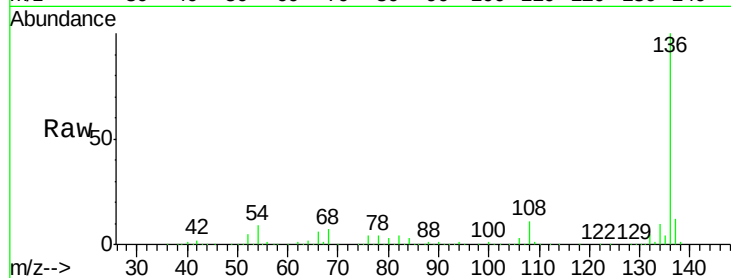




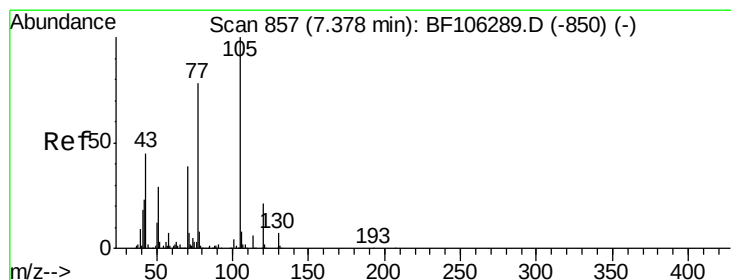
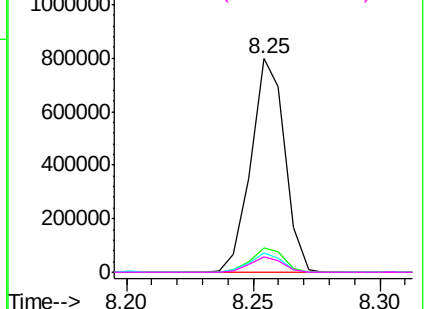
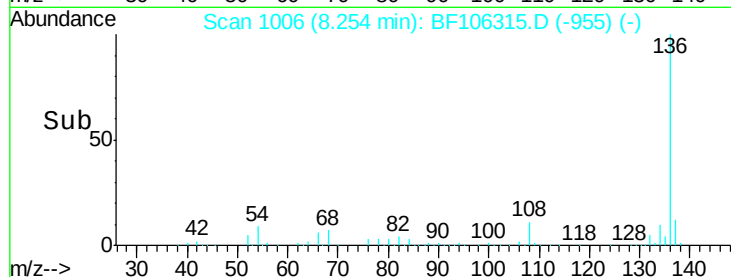
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1006  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 738079 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 8.9   | 13.3   |
| 54       | 9.2   | 6.6   | 9.8    |
| 68       | 7.0   | 5.0   | 7.4    |

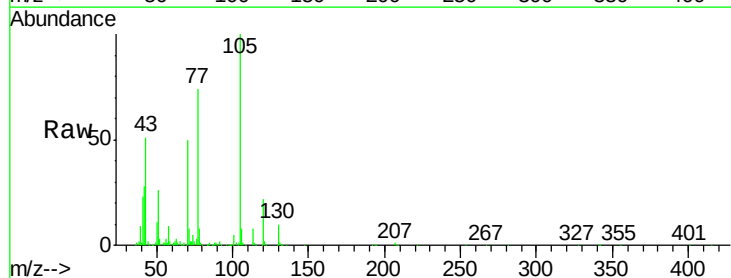


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

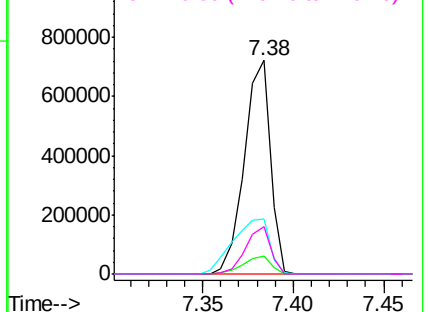
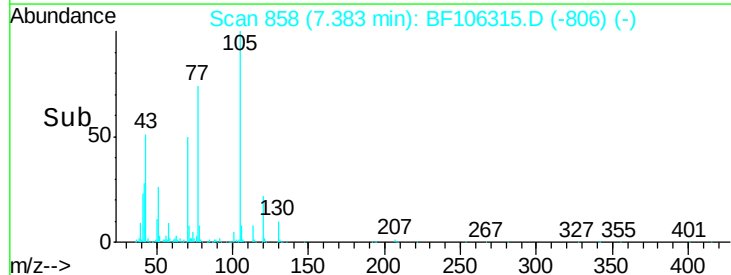


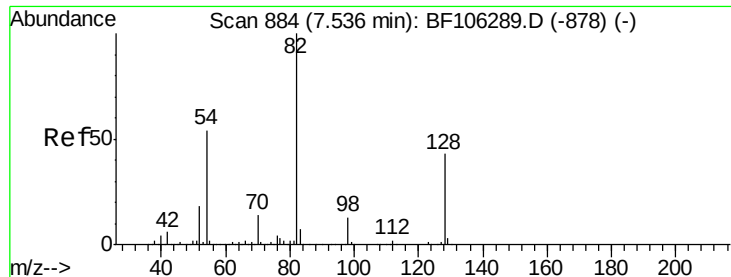
#22  
Acetophenone  
Concen: 38.781 ng  
RT: 7.38 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 721334 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 8.2   | 4.4   | 6.6#   |
| 51       | 25.6  | 22.3  | 33.5   |
| 120      | 22.3  | 16.9  | 25.3   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

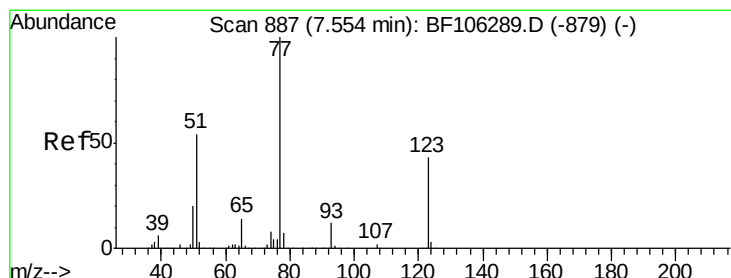
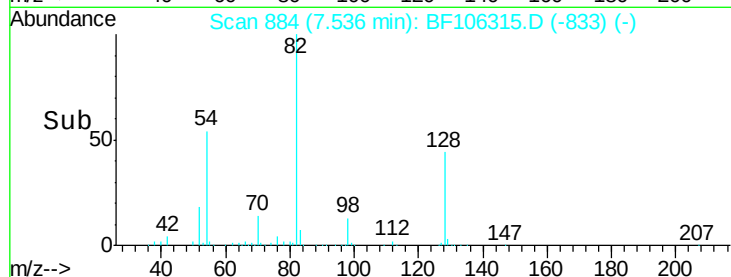
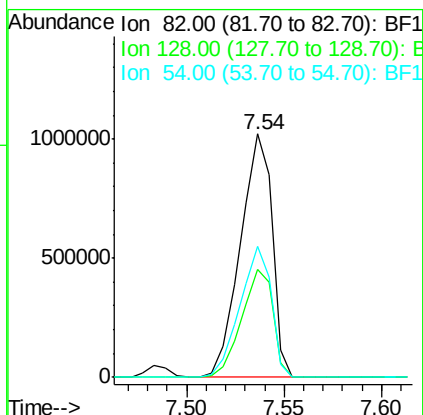
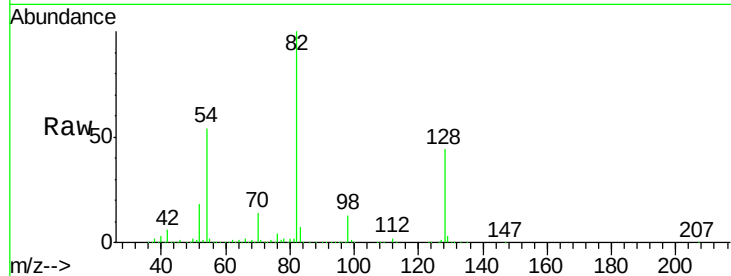




#23  
 Nitrobenzene-d5  
 Concen: 91.696 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

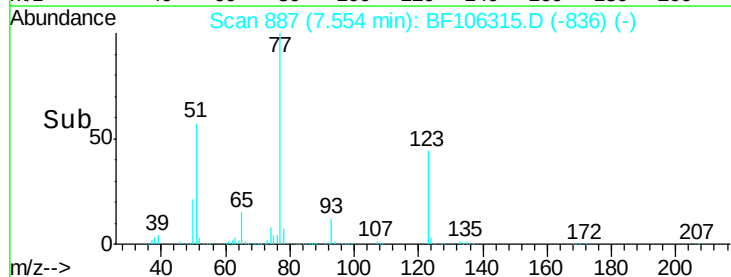
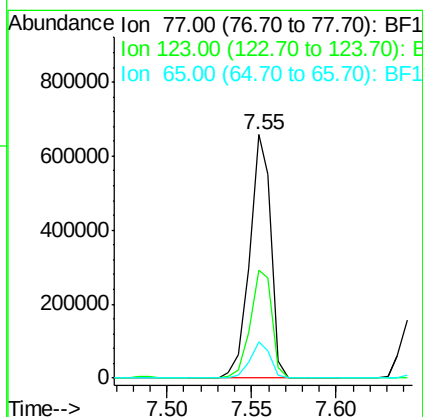
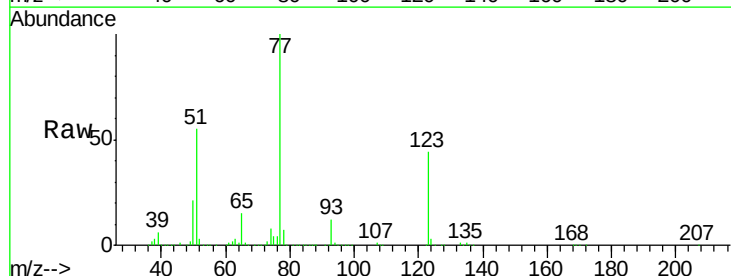
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Tgt Ion: 82 Resp: 1150450  
 Ion Ratio Lower Upper  
 82 100  
 128 44.4 36.1 54.1  
 54 53.6 41.4 62.2

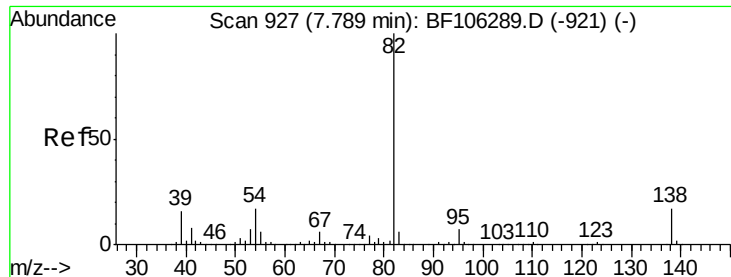


#24  
 Nitrobenzene  
 Concen: 42.328 ng  
 RT: 7.55 min Scan# 887  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion: 77 Resp: 577206  
 Ion Ratio Lower Upper  
 77 100  
 123 44.5 37.9 56.9  
 65 14.6 11.0 16.4







#25

Isophorone

Concen: 42.550 ng

RT: 7.79 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

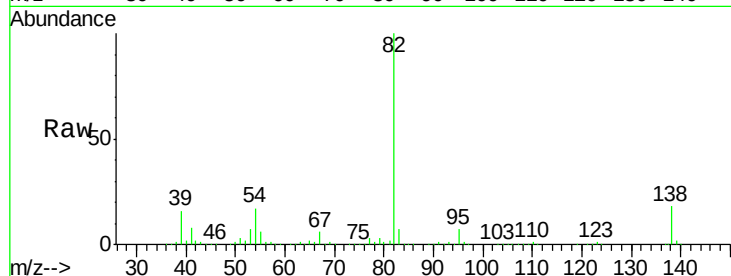
Tgt Ion: 82 Resp: 1042726

Ion Ratio Lower Upper

82 100

95 7.0 5.2 7.8

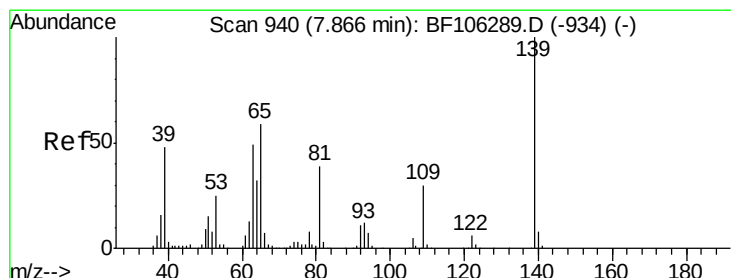
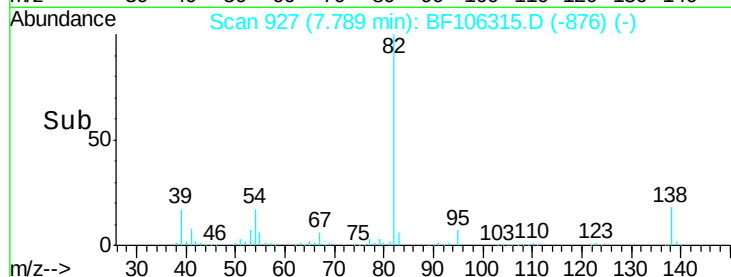
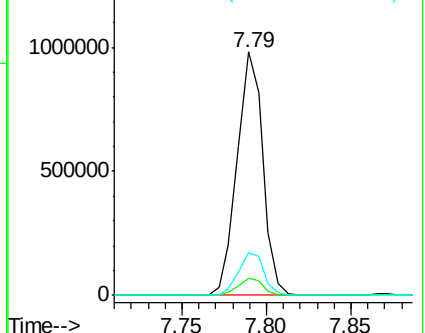
138 17.6 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 50.061 ng

RT: 7.87 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

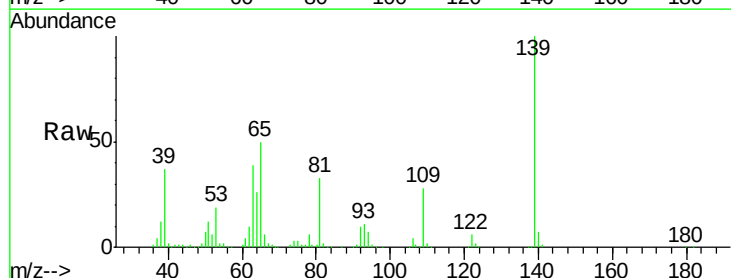
Tgt Ion: 139 Resp: 264972

Ion Ratio Lower Upper

139 100

109 27.9 22.7 34.1

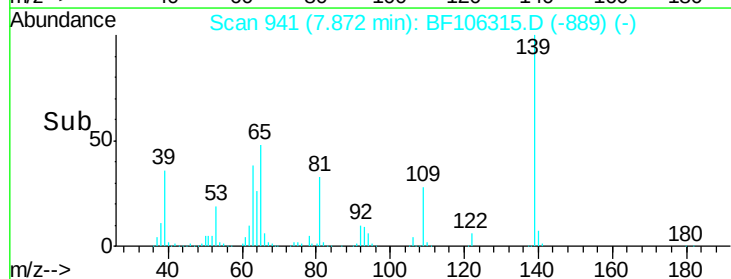
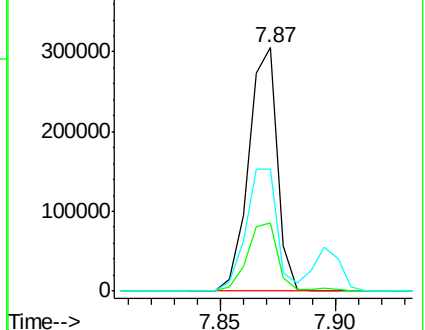
65 49.9 40.5 60.7

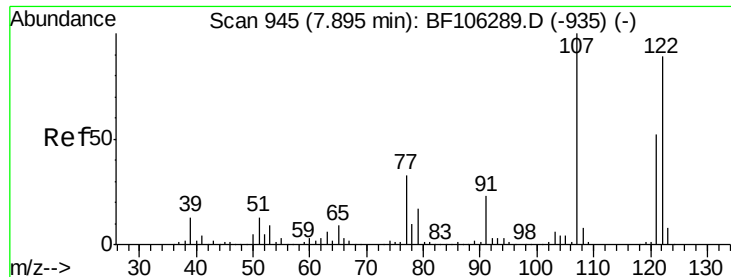


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

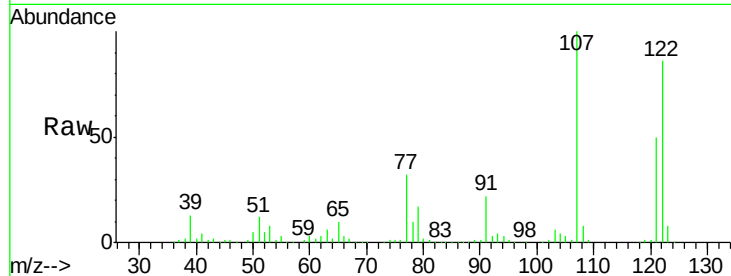




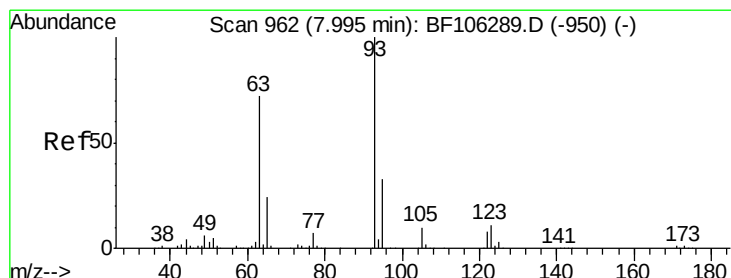
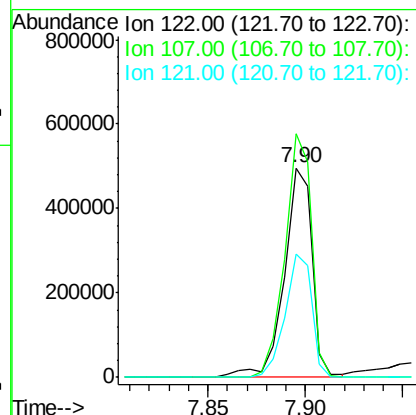
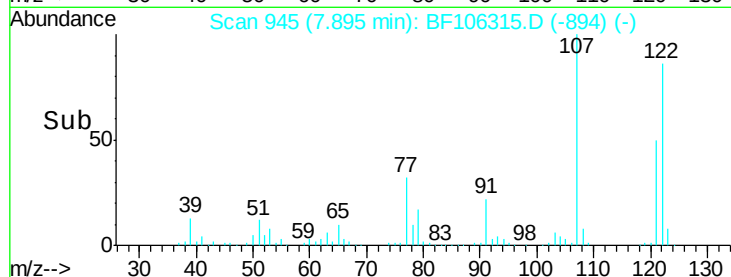
#27  
 2,4-Dimethylphenol  
 Concen: 47.257 ng  
 RT: 7.90 min Scan# 945  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 116.3 | 91.2  | 136.8 |
| 121     | 58.7  | 47.2  | 70.8  |

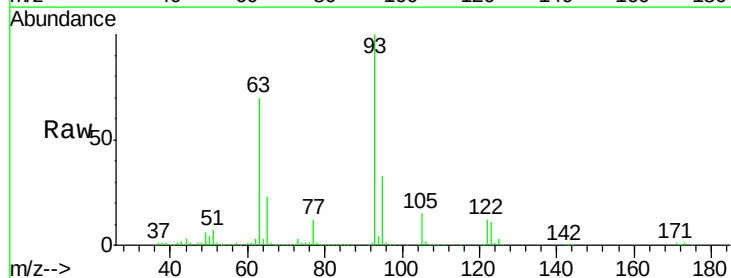


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

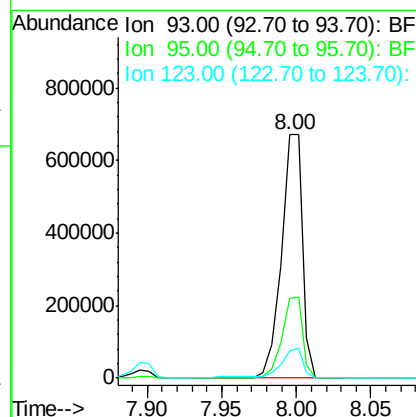
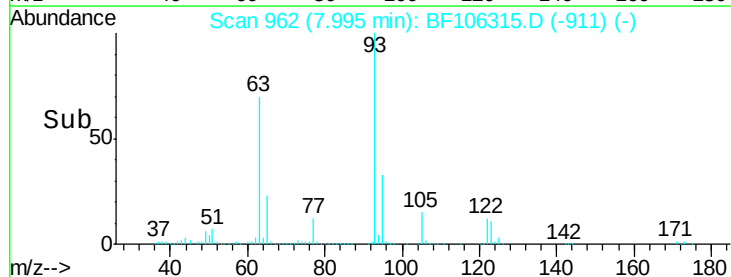


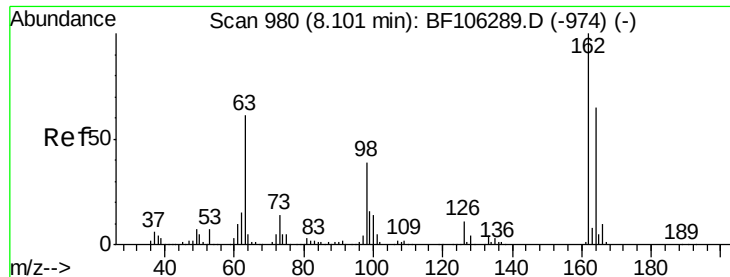
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.629 ng  
 RT: 8.00 min Scan# 962  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.0  | 26.3  | 39.5  |
| 123     | 11.3  | 9.8   | 14.6  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E

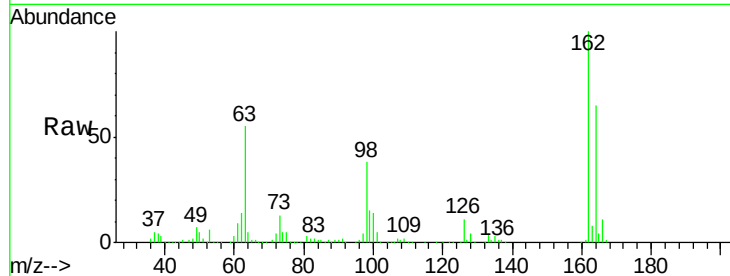




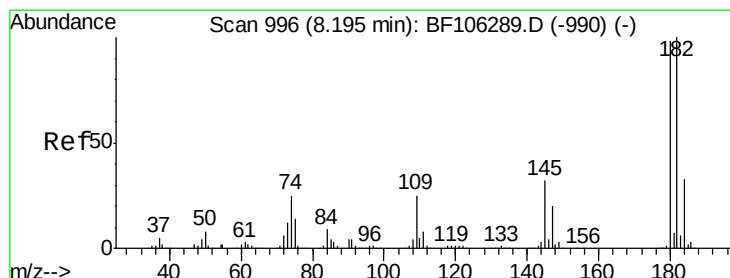
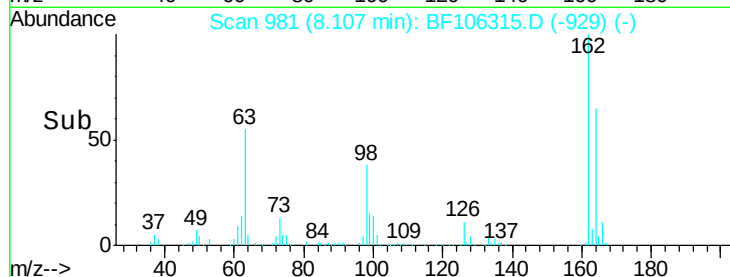
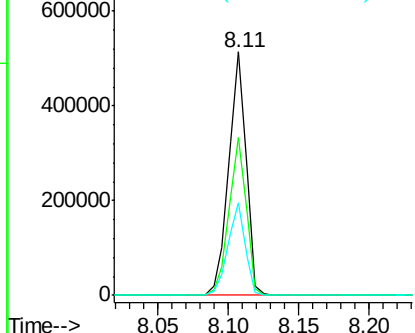
#29  
2,4-Dichlorophenol  
Concen: 44.001 ng  
RT: 8.11 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.7  | 42.7  | 82.7  |
| 98      | 38.1  | 18.1  | 58.1  |

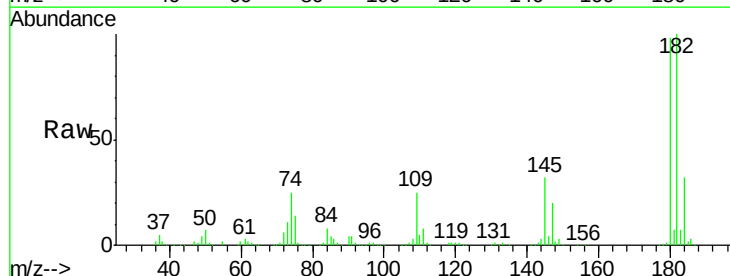


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

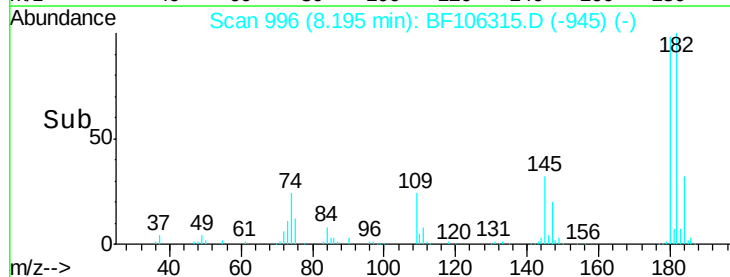
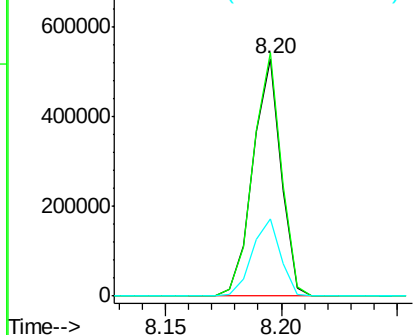


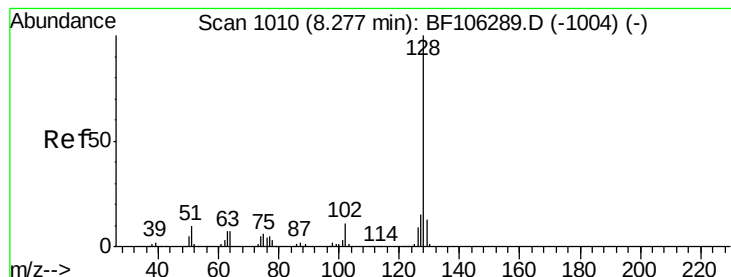
#30  
1,2,4-Trichlorobenzene  
Concen: 40.216 ng  
RT: 8.20 min Scan# 996  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 102.4 | 76.8  | 115.2 |
| 145     | 32.7  | 26.5  | 39.7  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.564 ng

RT: 8.28 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

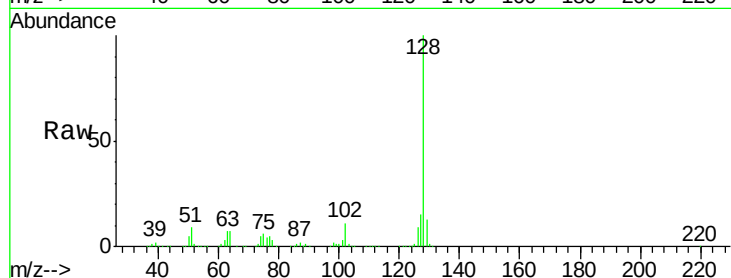
Tgt Ion:128 Resp: 1320059

Ion Ratio Lower Upper

128 100

129 13.4 8.8 13.2#

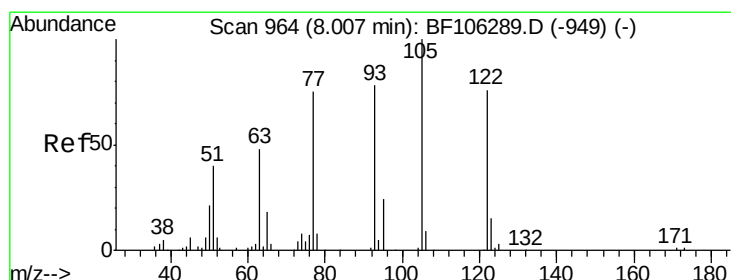
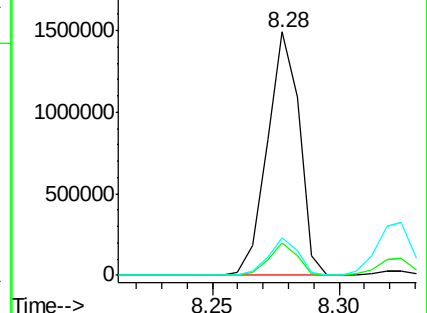
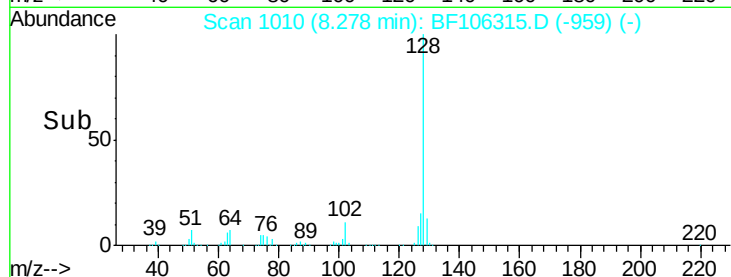
127 15.4 10.9 16.3



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: 33.505 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

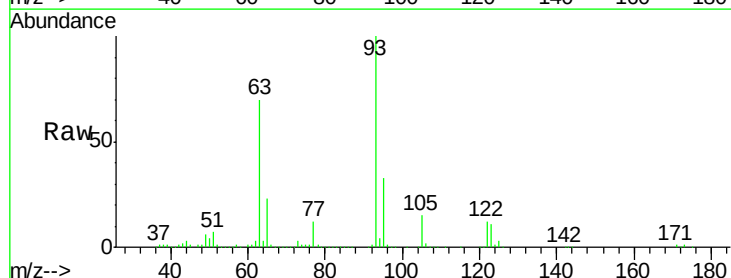
Tgt Ion:122 Resp: 236515

Ion Ratio Lower Upper

122 100

105 130.0 101.1 141.1

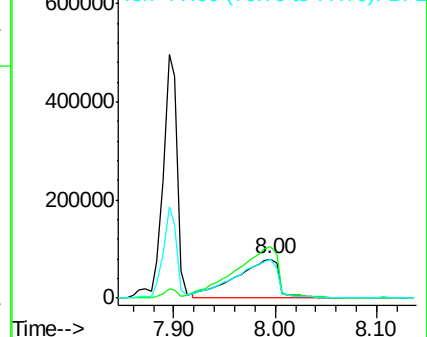
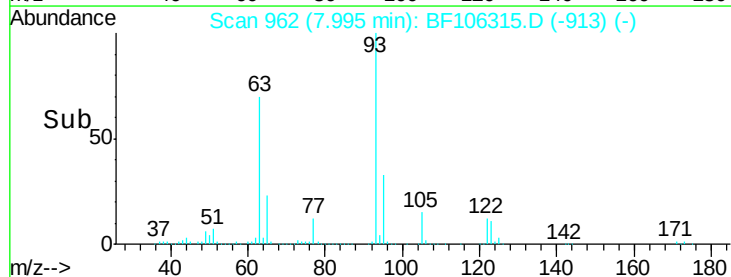
77 99.3 70.7 110.7

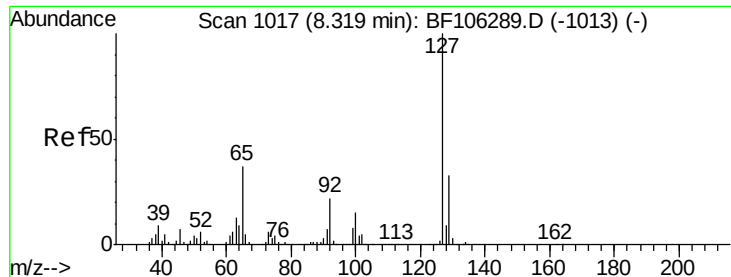


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

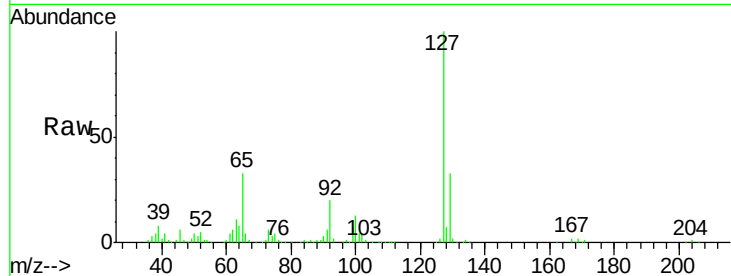




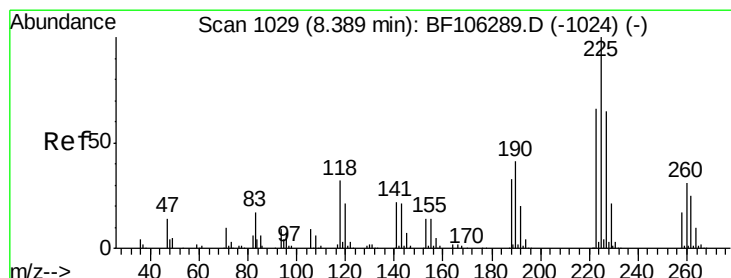
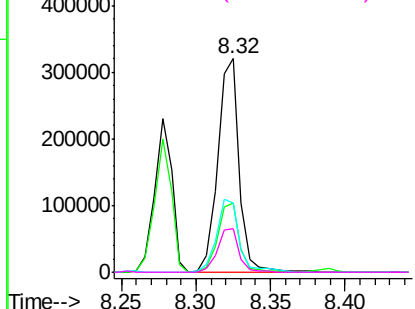
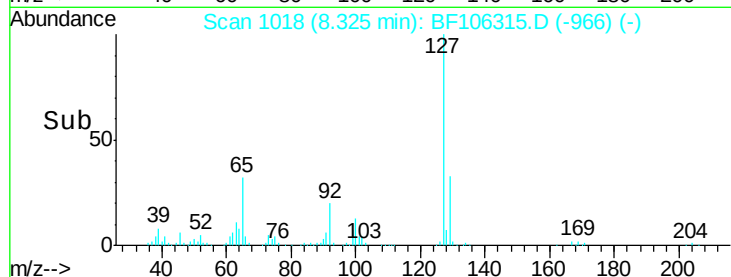
#33  
4-Chloroaniline  
Concen: 21.751 ng  
RT: 8.32 min Scan# 1018  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 321614 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 25.9  | 38.9   |
| 65       | 32.5  | 25.0  | 37.4   |
| 92       | 20.2  | 15.2  | 22.8   |

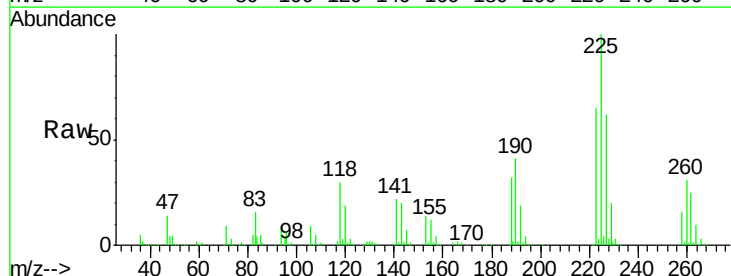


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

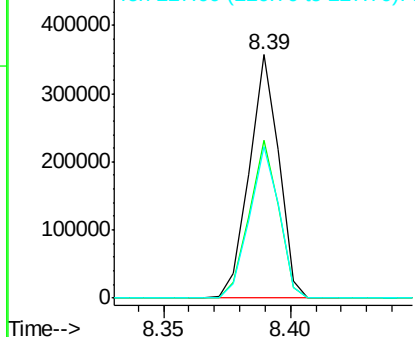
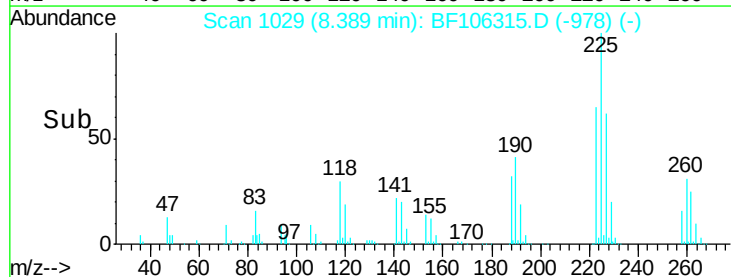


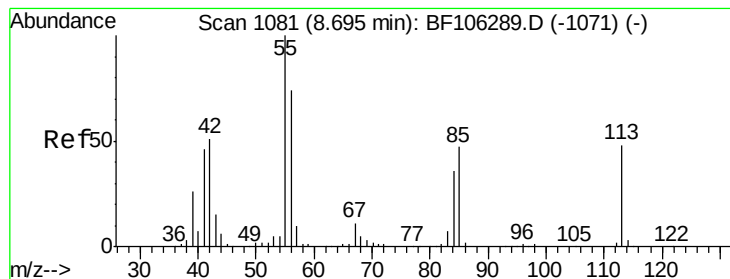
#34  
Hexachlorobutadiene  
Concen: 40.160 ng  
RT: 8.39 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 289541 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.8  | 50.6  | 76.0   |
| 227      | 62.4  | 51.9  | 77.9   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 40.775 ng

RT: 8.69 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

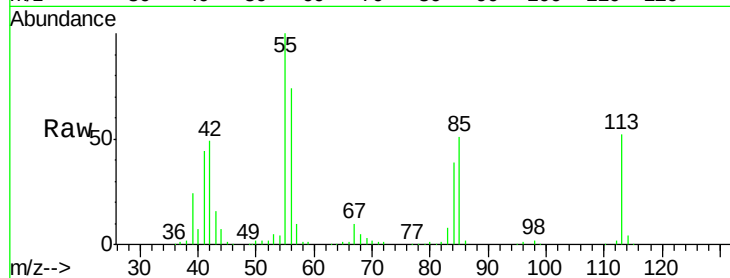
Tgt Ion:113 Resp: 138038

Ion Ratio Lower Upper

113 100

55 191.8 163.3 203.3

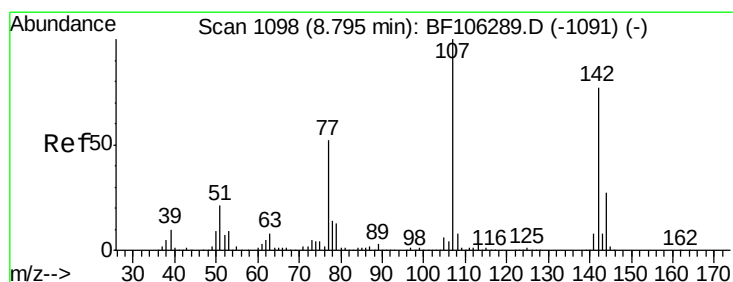
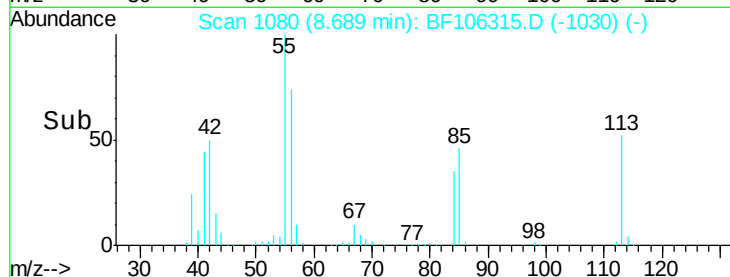
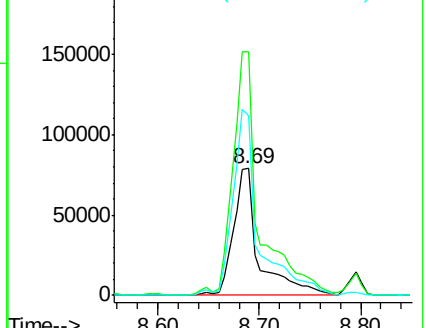
56 141.7 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 40.863 ng

RT: 8.80 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

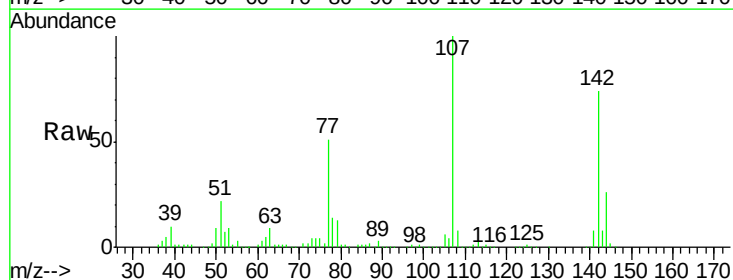
Tgt Ion:107 Resp: 452405

Ion Ratio Lower Upper

107 100

144 26.1 20.5 30.7

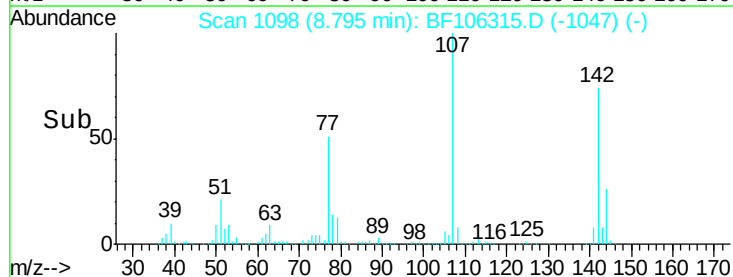
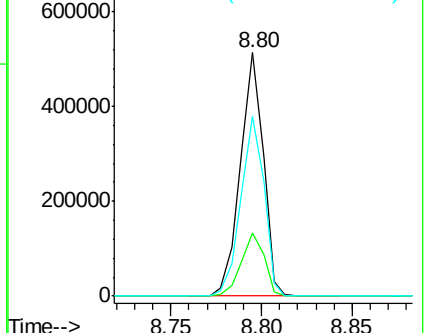
142 73.8 62.0 93.0

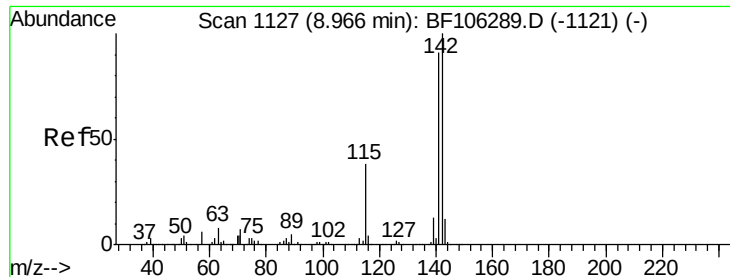


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

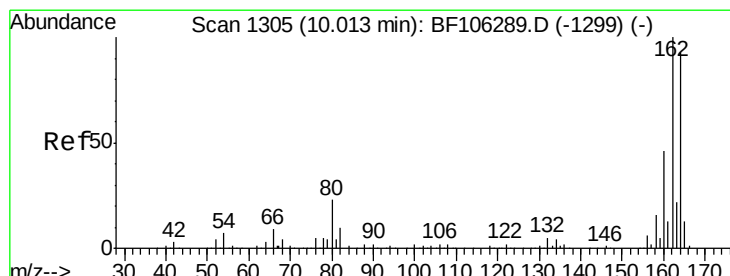
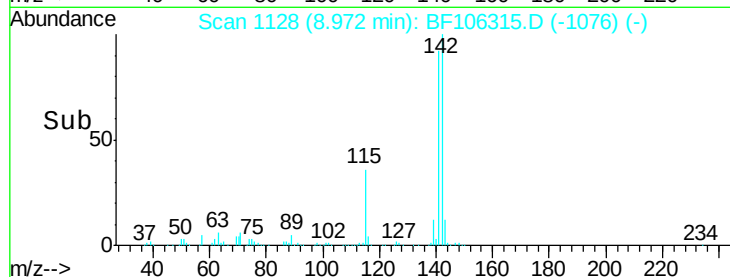
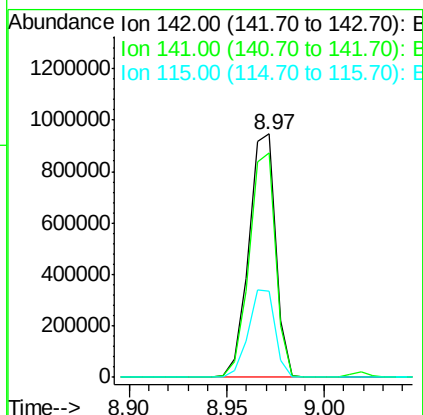
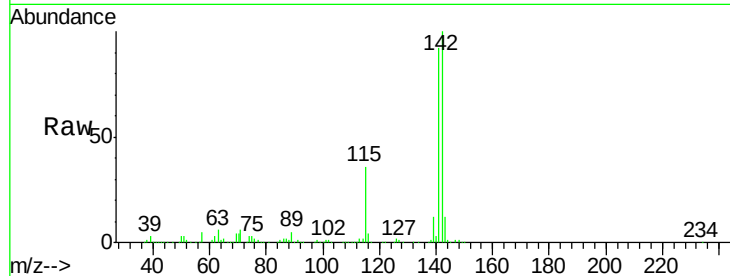




#37  
2-Methylnaphthalene  
Concen: 39.733 ng  
RT: 8.97 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

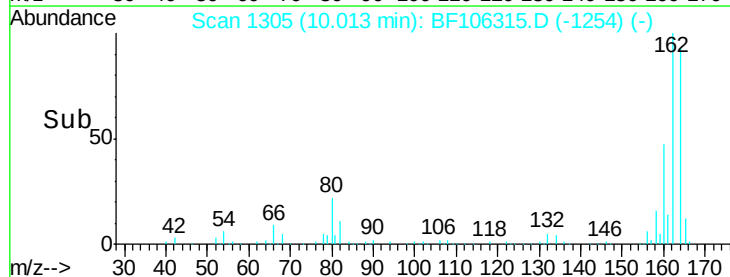
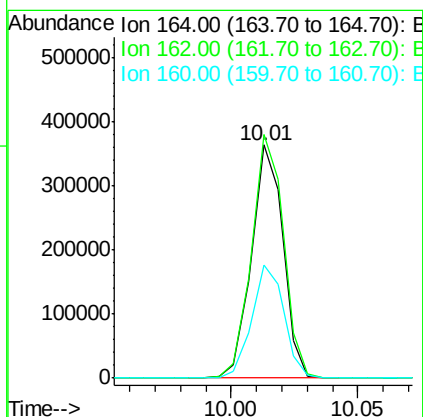
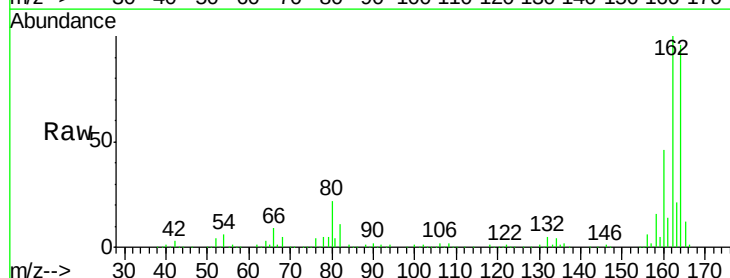
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

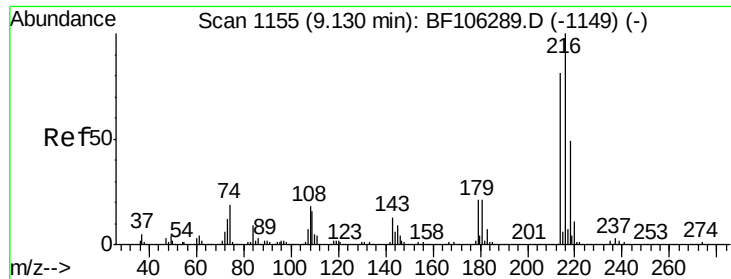
Tgt Ion:142 Resp: 902940  
Ion Ratio Lower Upper  
142 100  
141 92.3 70.8 106.2  
115 35.7 26.1 39.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1305  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion:164 Resp: 314861  
Ion Ratio Lower Upper  
164 100  
162 104.5 86.1 129.1  
160 48.6 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.670 ng

RT: 9.13 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

Tgt Ion:216 Resp: 456586

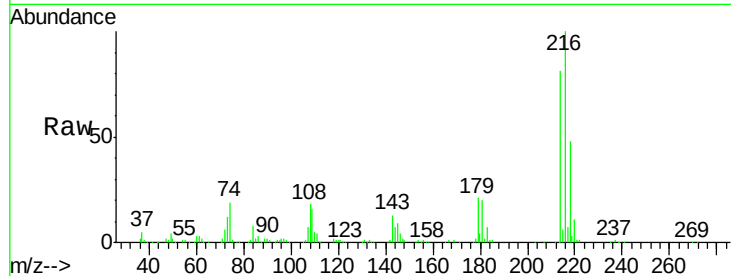
Ion Ratio Lower Upper

216 100

214 80.0 63.0 94.4

179 20.1 18.1 27.1

108 17.8 17.2 25.8

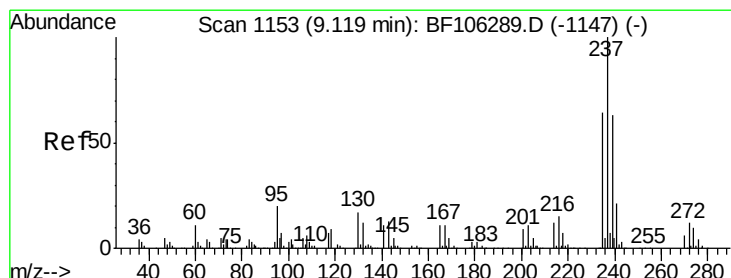
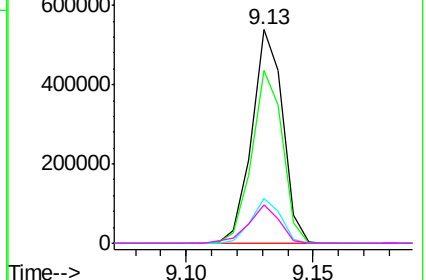
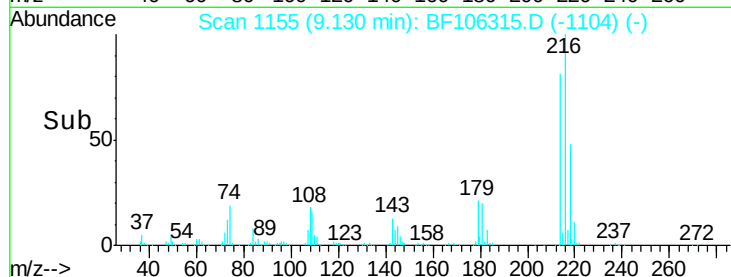


Abundance Ion 216.00 (215.70 to 216.70): E

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: 20.029 ng

RT: 9.12 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

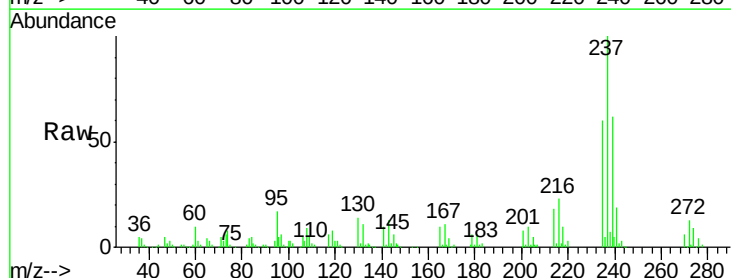
Tgt Ion:237 Resp: 112952

Ion Ratio Lower Upper

237 100

235 60.4 44.8 84.8

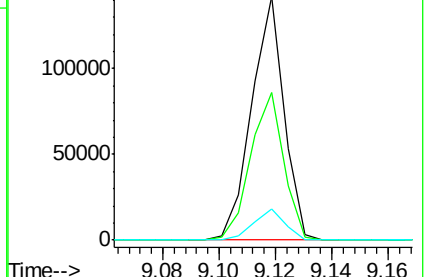
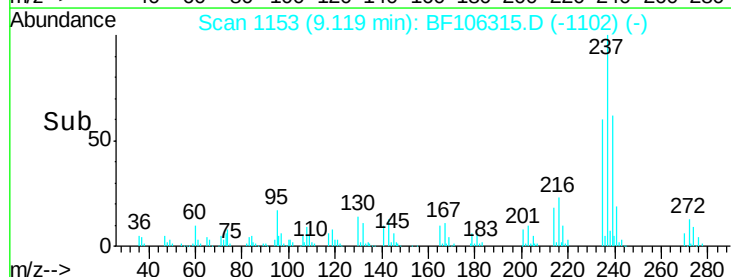
272 13.0 0.0 33.3



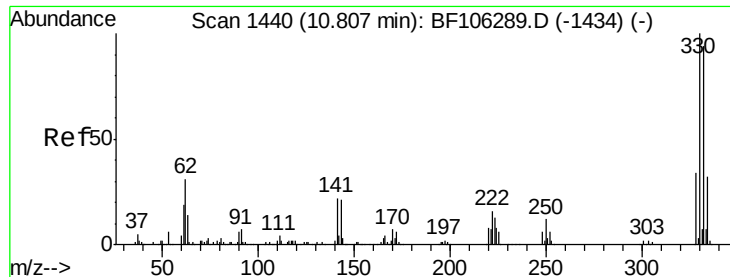
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



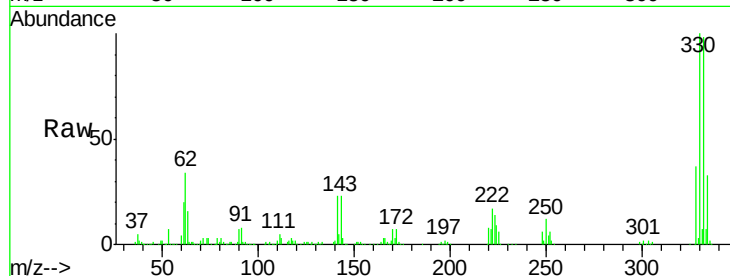




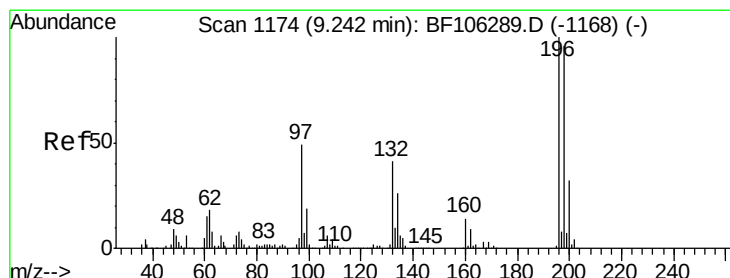
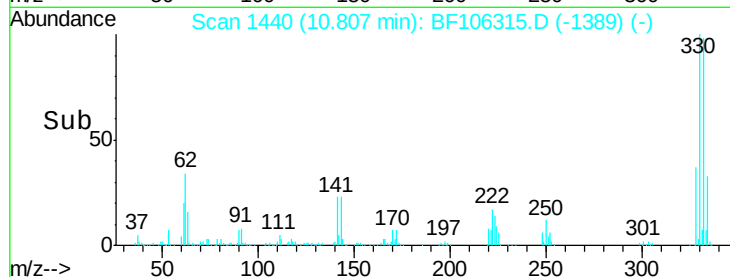
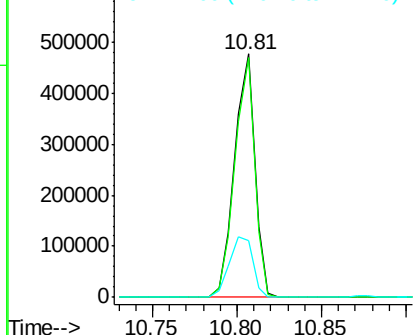
#41  
 2,4,6-Tribromophenol  
 Concen: 132.156 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Tgt Ion:330 Resp: 400368  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 28.9 29.9 44.9#

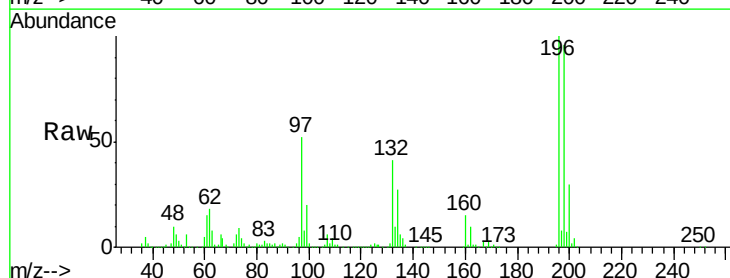


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

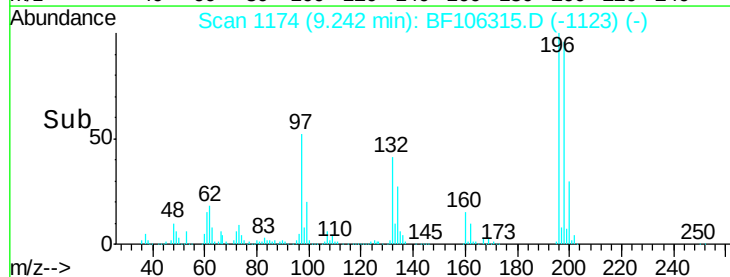
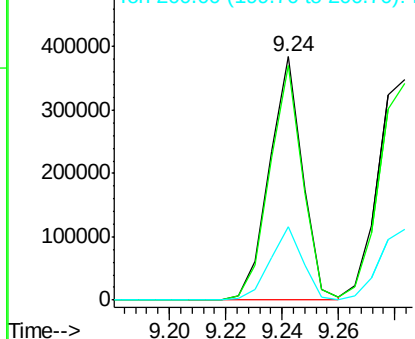


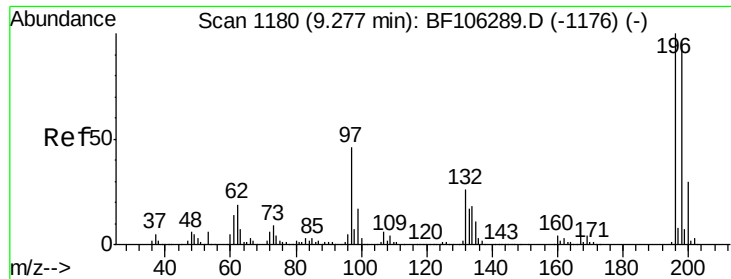
#42  
 2,4,6-Trichlorophenol  
 Concen: 47.964 ng  
 RT: 9.24 min Scan# 1174  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion:196 Resp: 312428  
 Ion Ratio Lower Upper  
 196 100  
 198 96.4 75.7 113.5  
 200 30.3 24.5 36.7



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

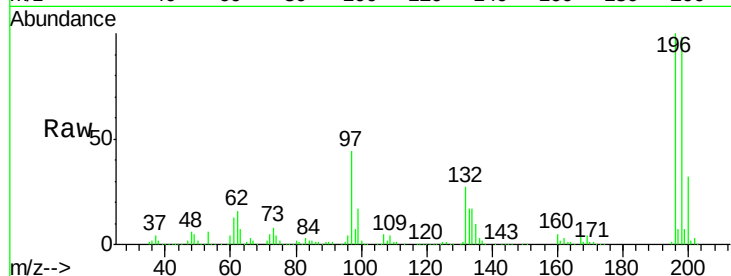




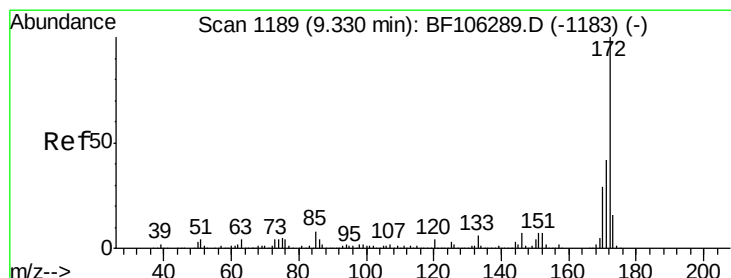
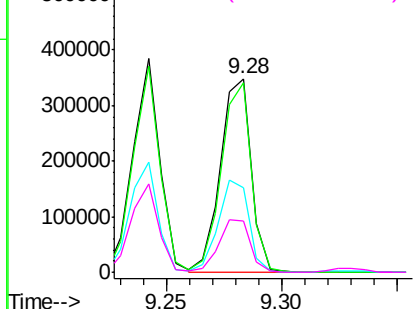
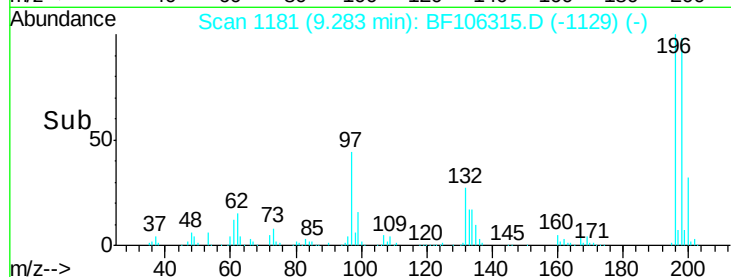
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.621 ng  
 RT: 9.28 min Scan# 1181  
 Delta R.T. 0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.8  | 74.6  | 112.0 |
| 97      | 43.8  | 42.9  | 64.3  |
| 132     | 26.6  | 26.3  | 39.5  |

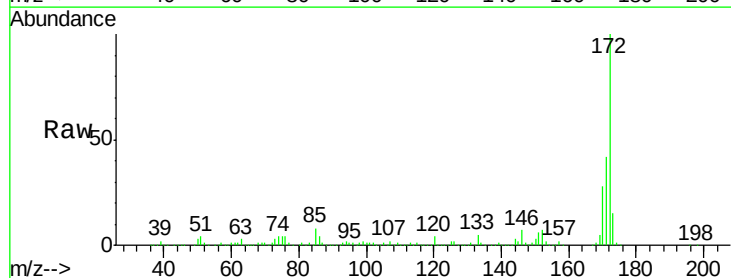


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

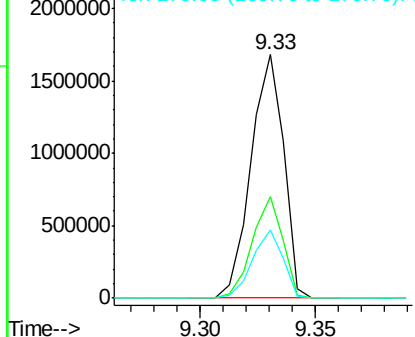
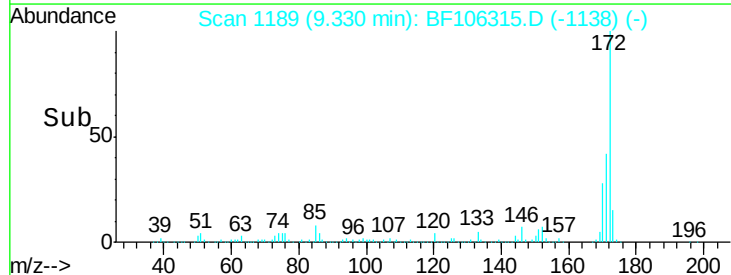


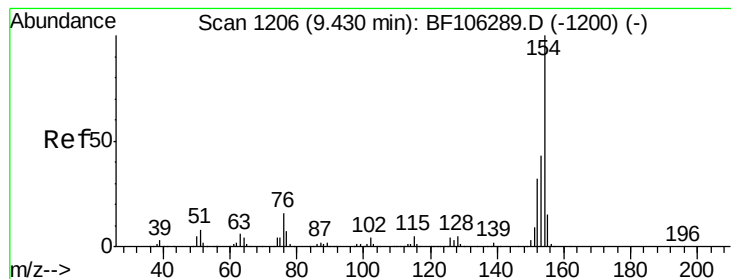
#44  
 2-Fluorobiphenyl  
 Concen: 98.038 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.7  | 29.7  | 44.5  |
| 170     | 28.3  | 19.6  | 29.4  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 42.676 ng

RT: 9.43 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

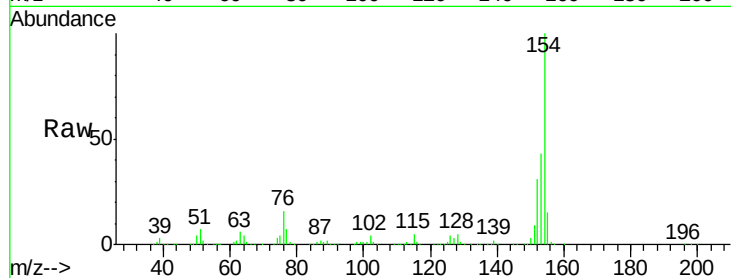
Tgt Ion:154 Resp: 1040763

Ion Ratio Lower Upper

154 100

153 42.8 21.3 61.3

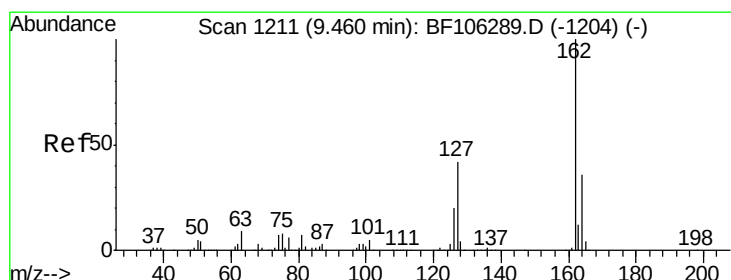
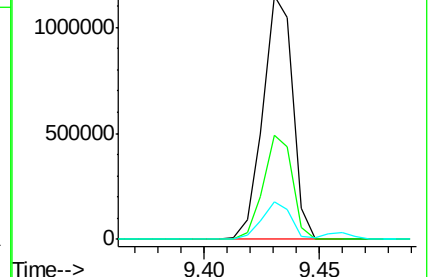
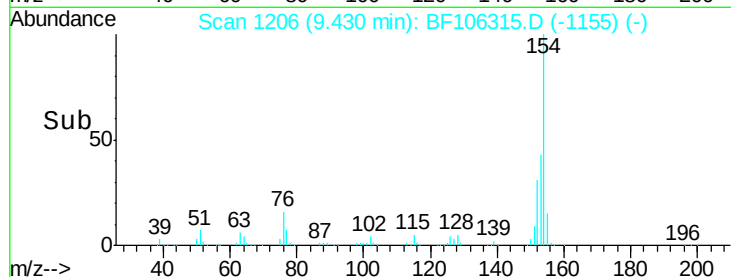
76 15.5 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 42.435 ng

RT: 9.46 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

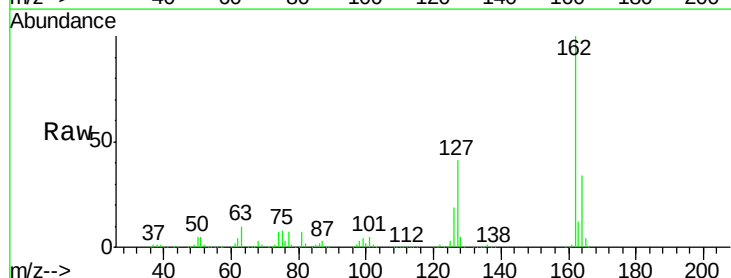
Tgt Ion:162 Resp: 828186

Ion Ratio Lower Upper

162 100

127 40.9 33.9 50.9

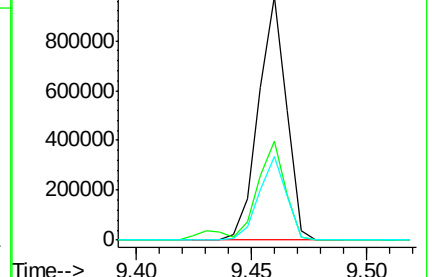
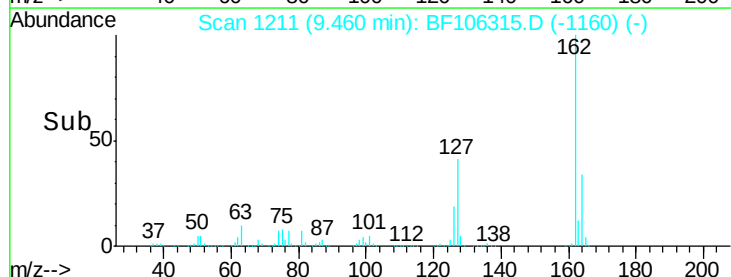
164 34.2 26.5 39.7

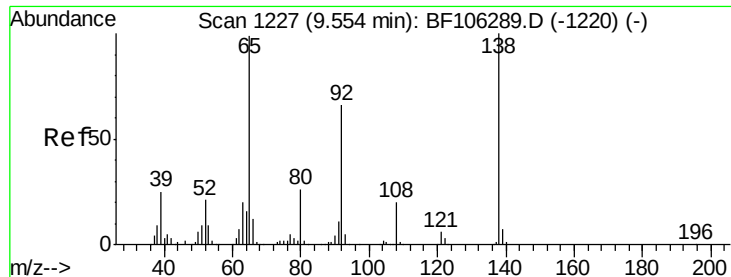


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

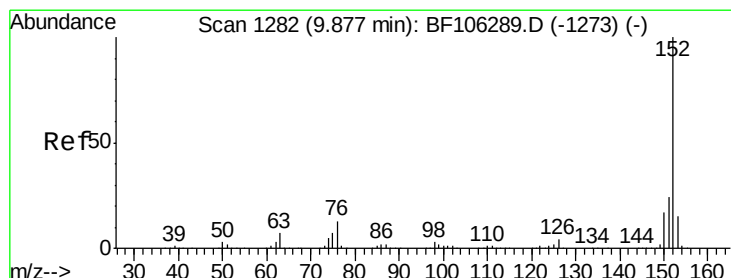
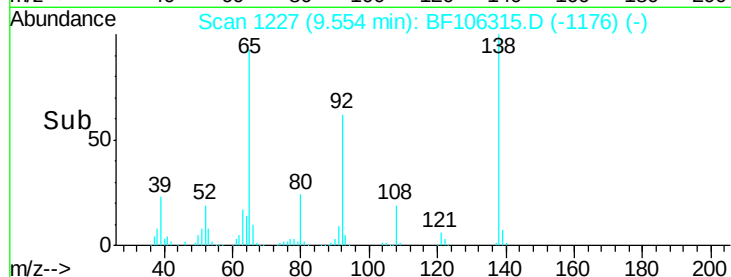
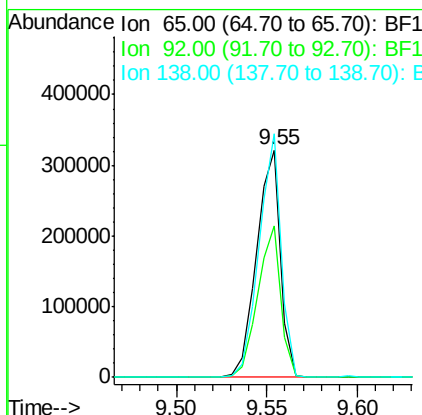
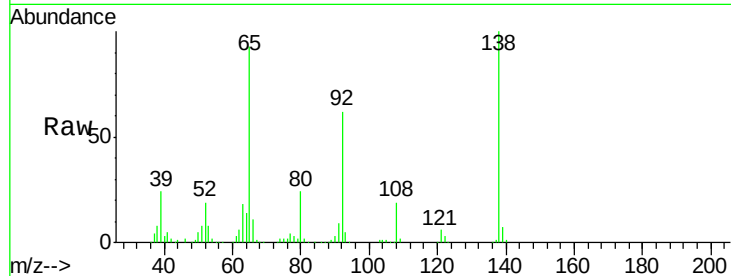




#47  
2-Nitroaniline  
Concen: 47.667 ng  
RT: 9.55 min Scan# 1227  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

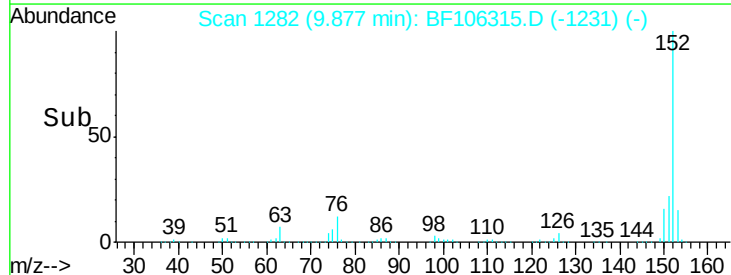
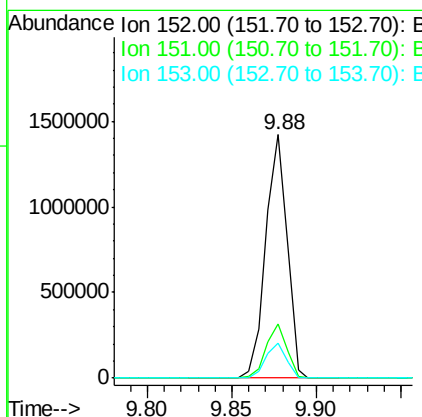
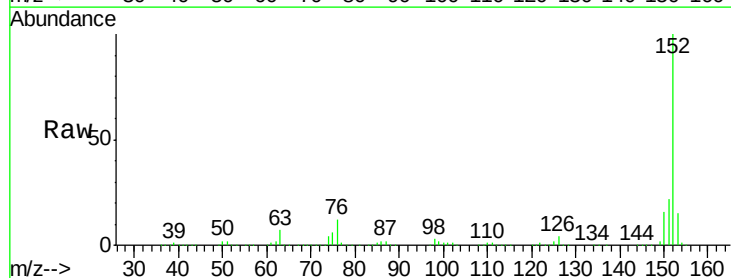
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

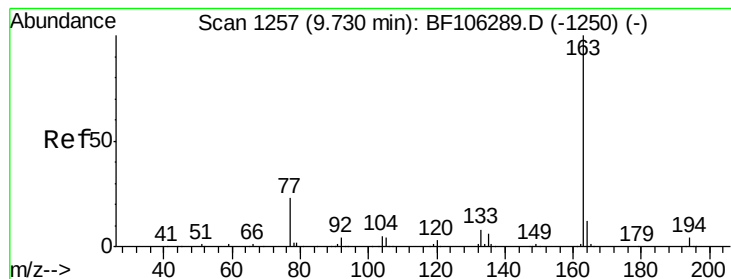
Tgt Ion: 65 Resp: 292652  
Ion Ratio Lower Upper  
65 100  
92 66.6 55.8 83.6  
138 107.2 91.2 136.8



#48  
Acenaphthylene  
Concen: 41.702 ng  
RT: 9.88 min Scan# 1282  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion: 152 Resp: 1245740  
Ion Ratio Lower Upper  
152 100  
151 22.2 16.3 24.5  
153 14.5 10.7 16.1





#49

Dimethylphthalate

Concen: 52.377 ng

RT: 9.73 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

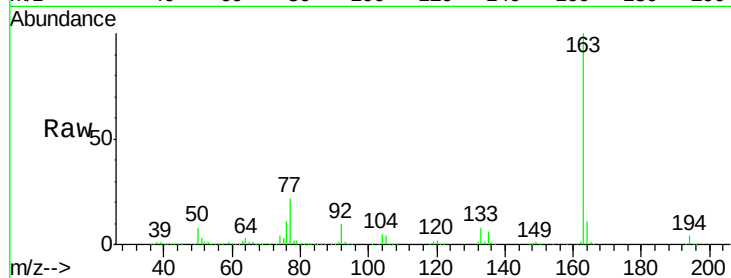
Tgt Ion:163 Resp: 1178231

Ion Ratio Lower Upper

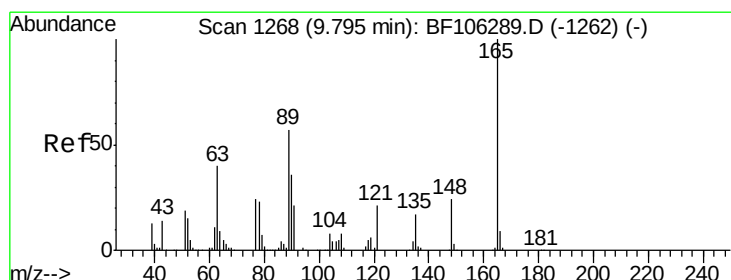
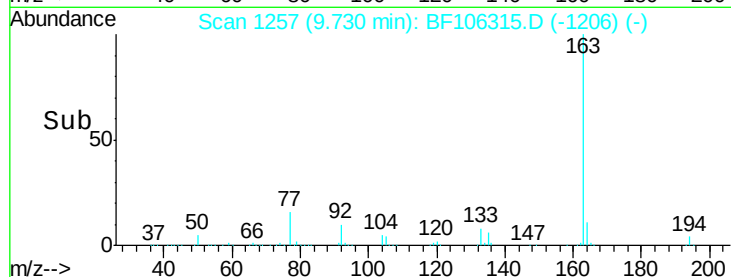
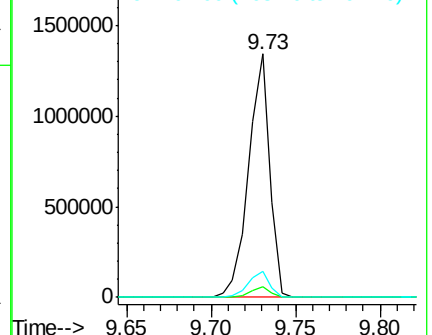
163 100

194 4.2 2.7 4.1#

164 10.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 45.024 ng

RT: 9.80 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

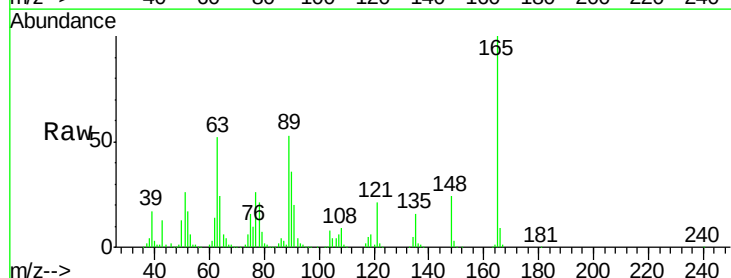
Tgt Ion:165 Resp: 206883

Ion Ratio Lower Upper

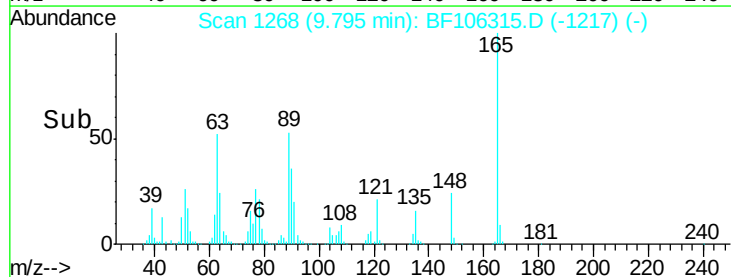
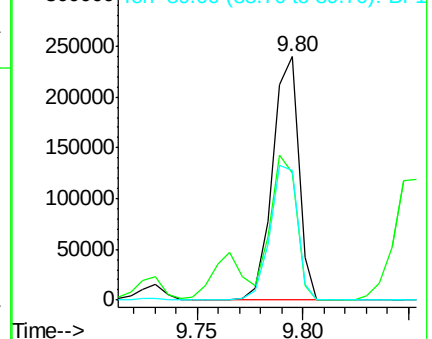
165 100

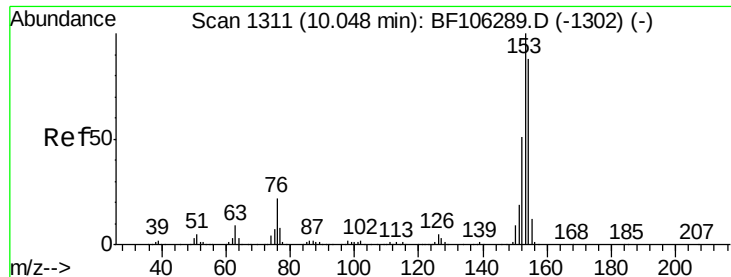
63 52.5 44.7 67.1

89 53.3 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 39.016 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

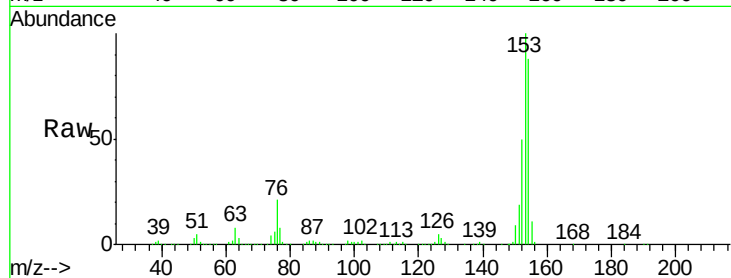
Tgt Ion:154 Resp: 752685

Ion Ratio Lower Upper

154 100

153 113.6 91.2 136.8

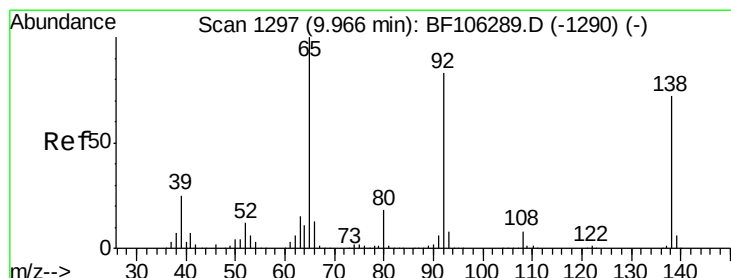
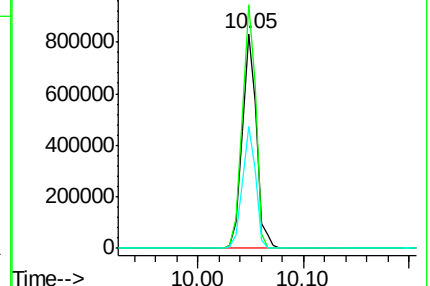
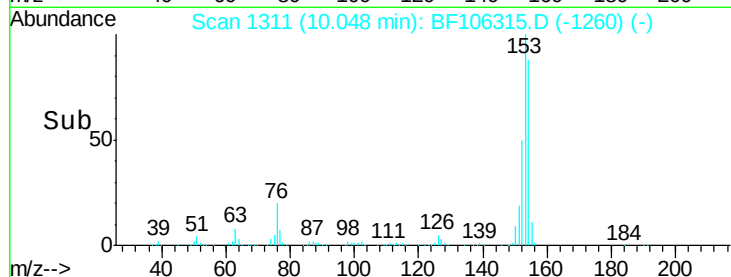
152 57.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.160 ng

RT: 9.96 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

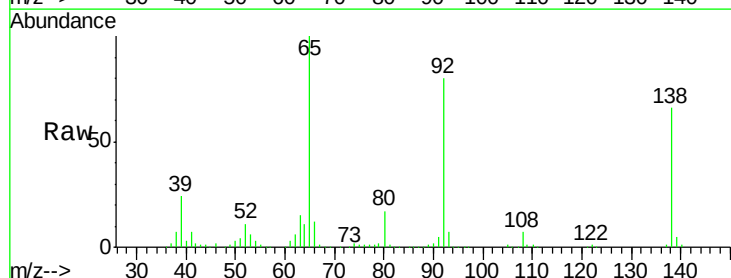
Tgt Ion:138 Resp: 164485

Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

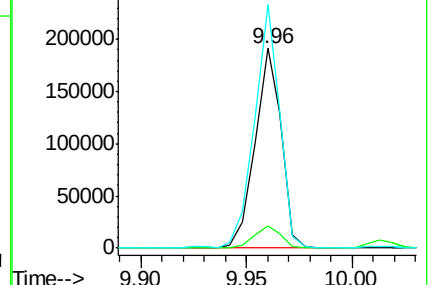
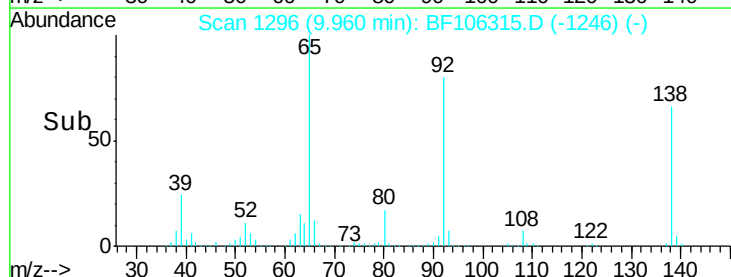
92 121.8 89.4 134.2

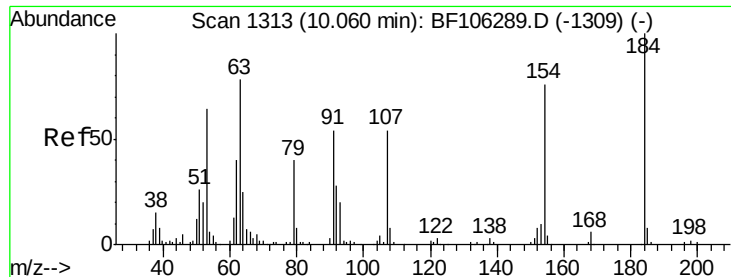


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

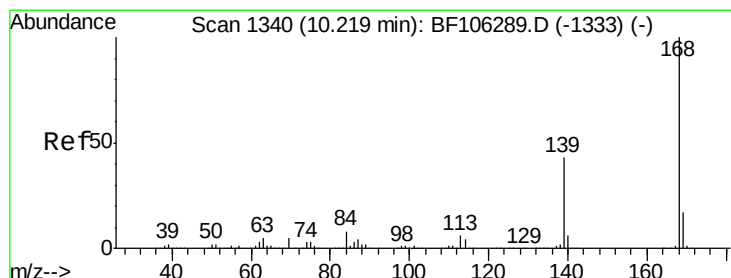
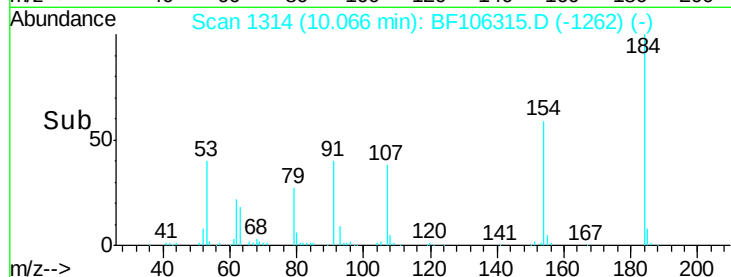
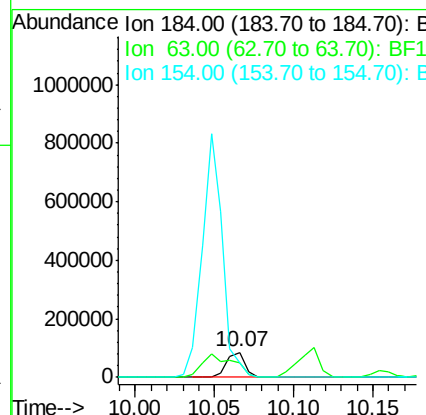
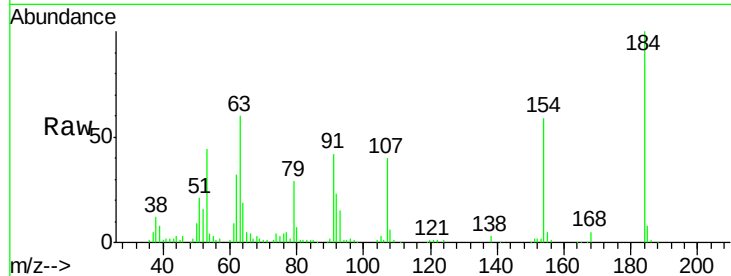




#53  
2,4-Dinitrophenol  
Concen: 38.885 ng  
RT: 10.07 min Scan# 1314  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

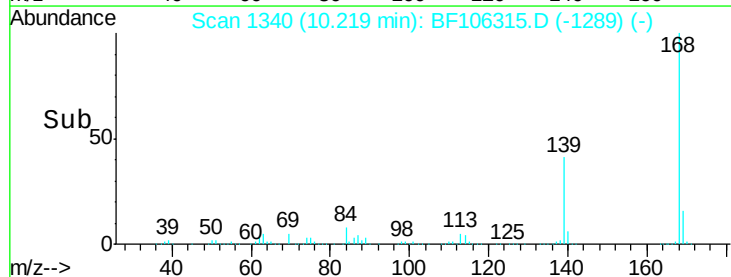
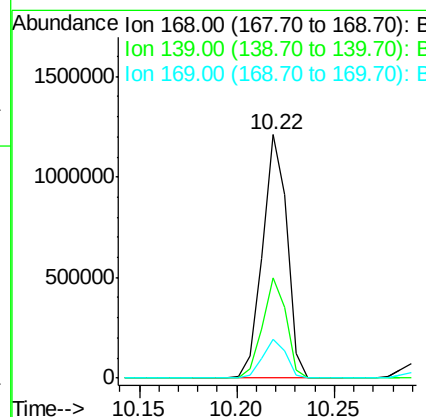
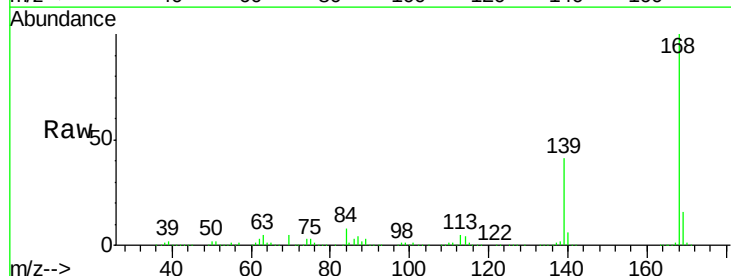
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

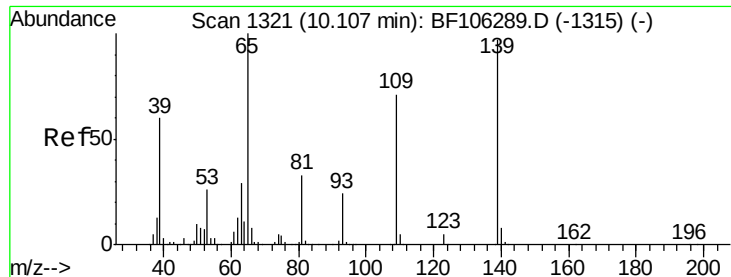
Tgt Ion:184 Resp: 71569  
Ion Ratio Lower Upper  
184 100  
63 59.7 54.2 81.2  
154 59.4 184.0 276.0#



#54  
Dibenzofuran  
Concen: 40.342 ng  
RT: 10.22 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion:168 Resp: 1048010  
Ion Ratio Lower Upper  
168 100  
139 41.2 30.1 45.1  
169 16.2 10.9 16.3

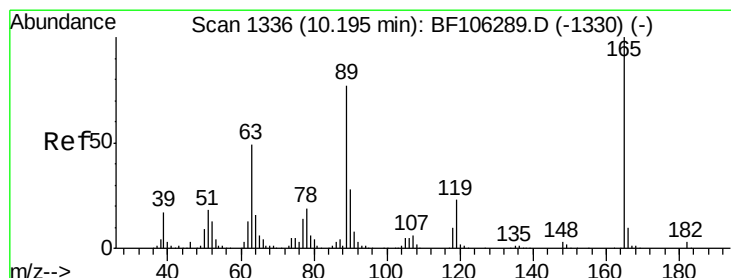
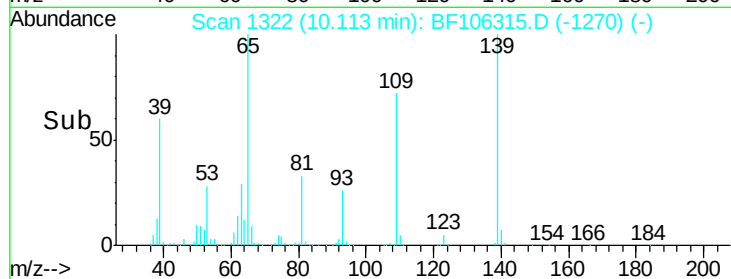
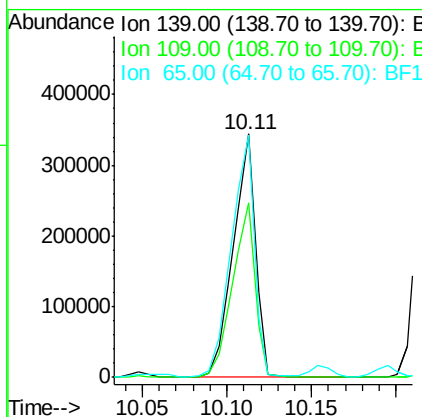
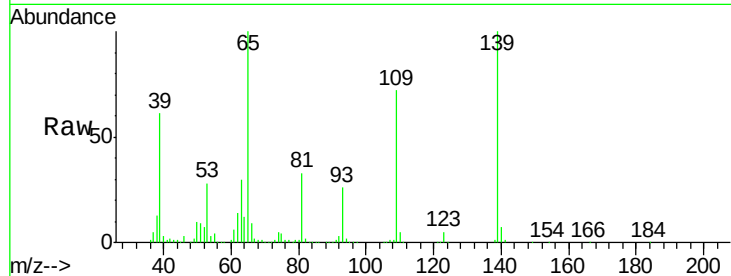




#55  
4-Nitrophenol  
Concen: 75.996 ng  
RT: 10.11 min Scan# 1322  
Delta R.T. 0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

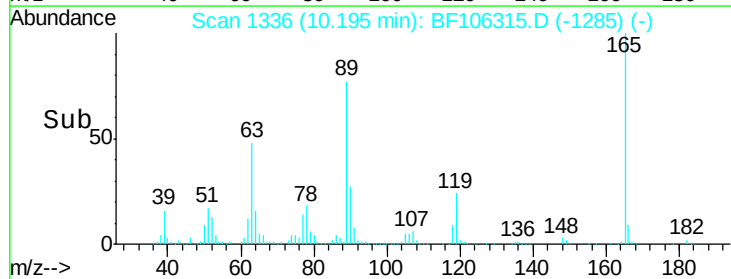
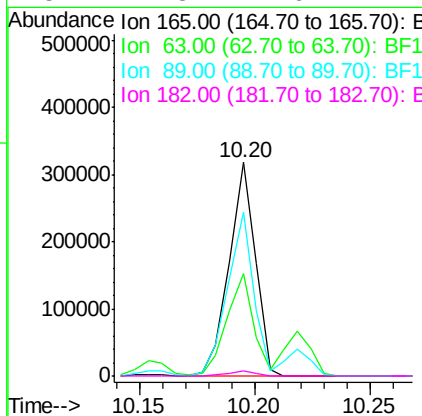
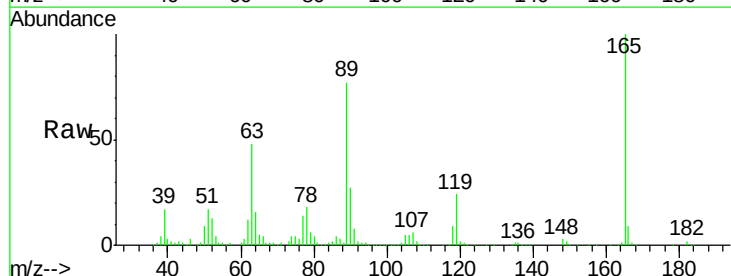
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

Tgt Ion:139 Resp: 317682  
Ion Ratio Lower Upper  
139 100  
109 71.5 48.4 88.4  
65 99.7 72.6 112.6

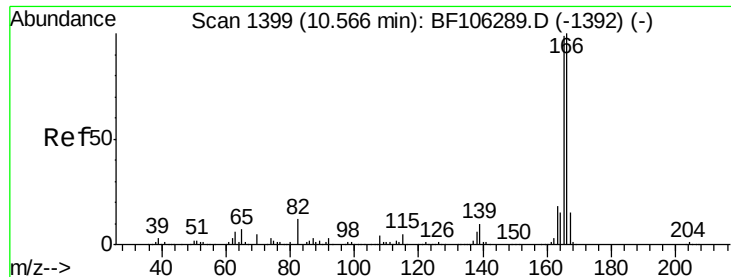


#56  
2,4-Dinitrotoluene  
Concen: 43.988 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion:165 Resp: 253822  
Ion Ratio Lower Upper  
165 100  
63 48.3 36.4 54.6  
89 76.8 57.8 86.6  
182 2.3 1.6 2.4







#57

Fluorene

Concen: 38.068 ng

RT: 10.57 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

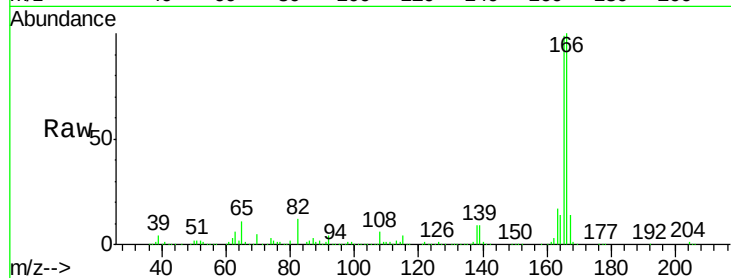
Tgt Ion:166 Resp: 783536

Ion Ratio Lower Upper

166 100

165 99.4 79.8 119.8

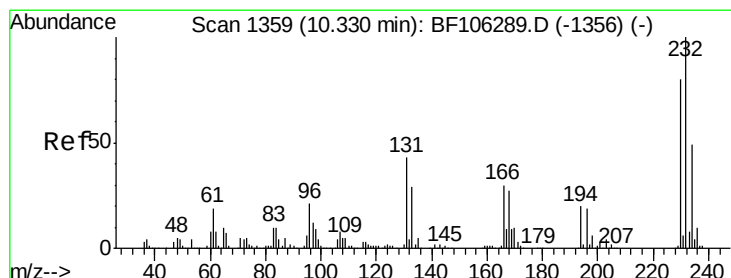
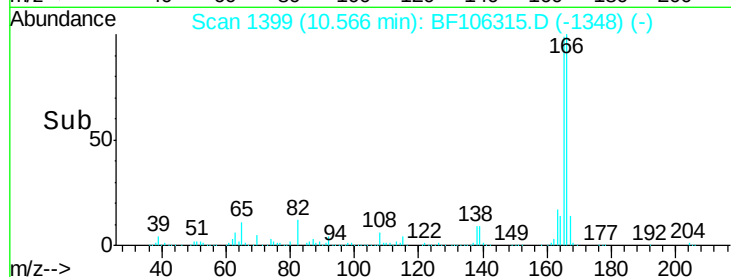
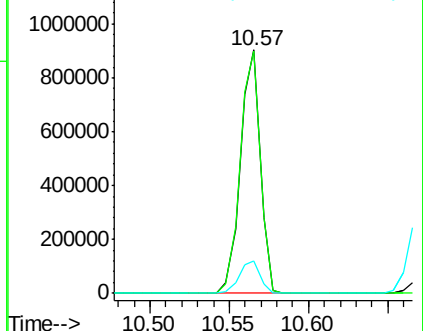
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.696 ng

RT: 10.33 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Tgt Ion:232 Resp: 248759

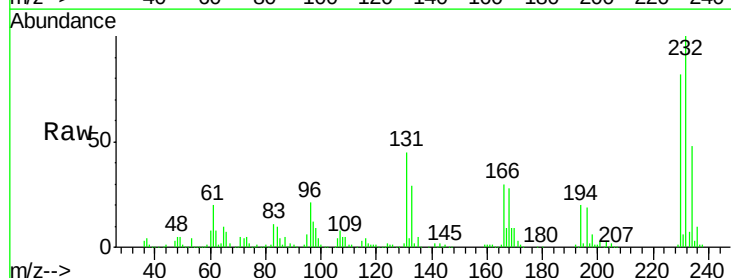
Ion Ratio Lower Upper

232 100

131 42.1 43.8 65.8#

130 2.2 2.1 3.1

166 28.1 27.8 41.6

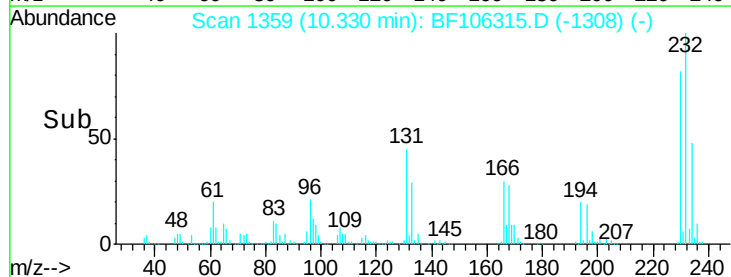
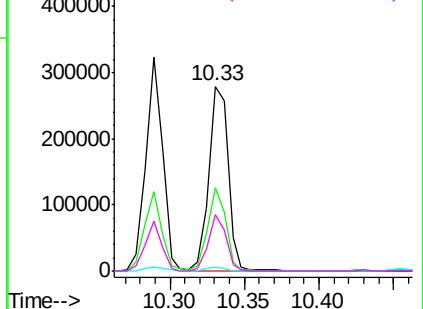


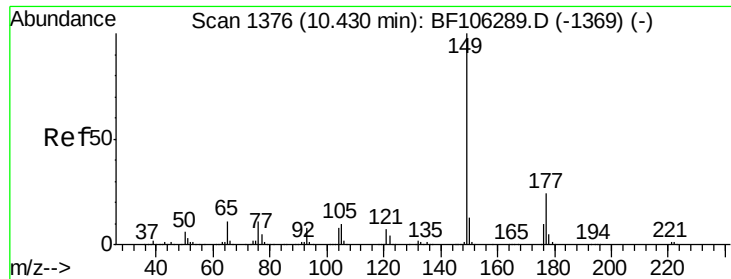
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

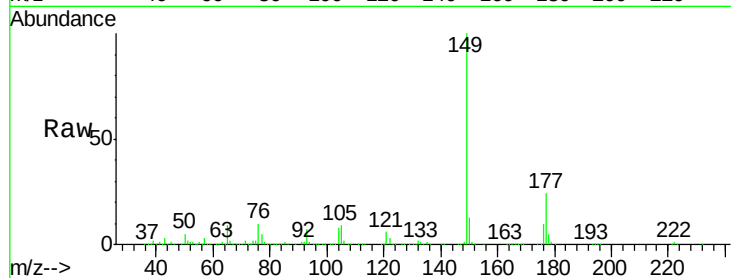




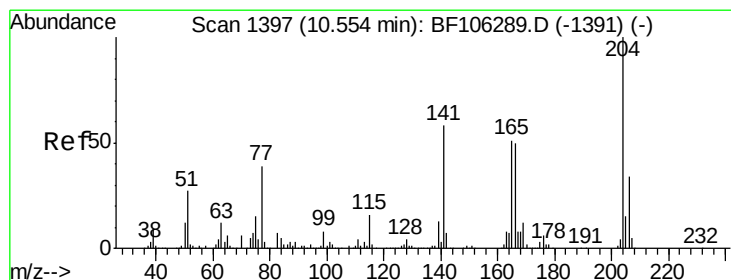
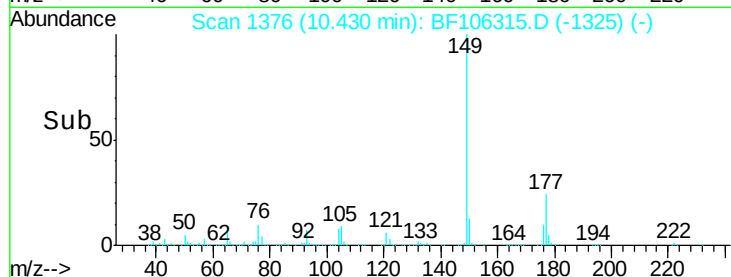
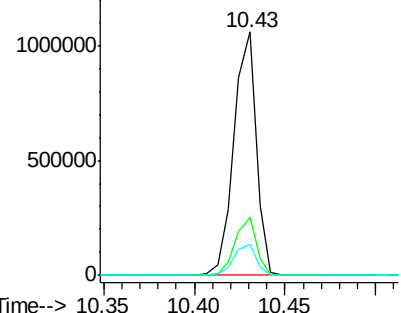
#59  
Diethylphthalate  
Concen: 40.784 ng  
RT: 10.43 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
ClientSampled :  
SP-1MSD

Tgt Ion:149 Resp: 910608  
Ion Ratio Lower Upper  
149 100  
177 24.0 16.1 24.1  
150 13.0 10.1 15.1

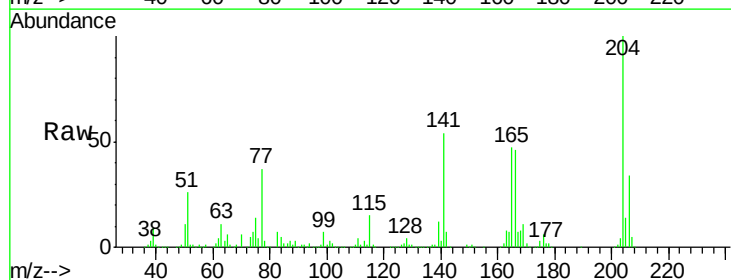


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

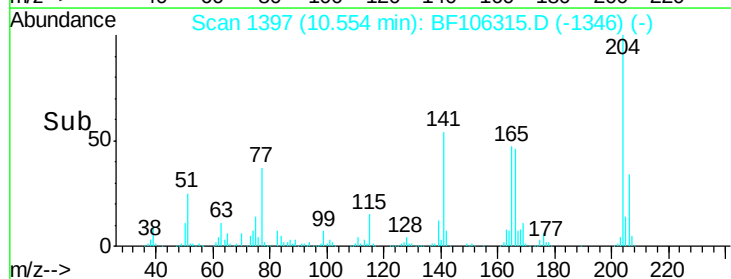
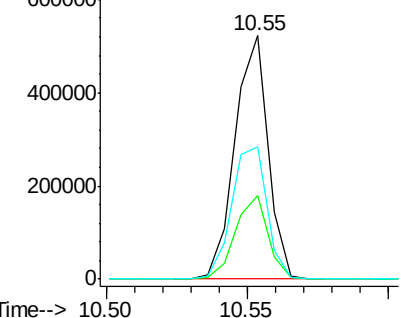


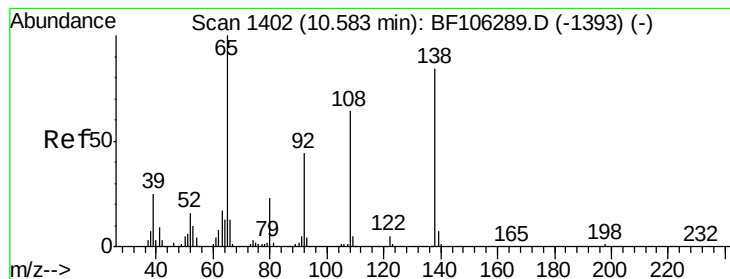
#60  
4-Chlorophenyl-phenylether  
Concen: 39.148 ng  
RT: 10.55 min Scan# 1397  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion:204 Resp: 423801  
Ion Ratio Lower Upper  
204 100  
206 34.3 26.5 39.7  
141 54.4 54.6 81.8#



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.506 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

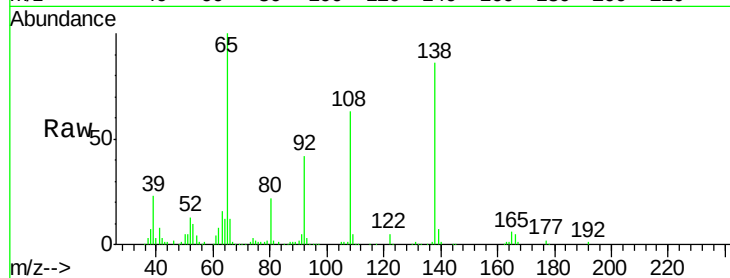
Tgt Ion:138 Resp: 177786

Ion Ratio Lower Upper

138 100

92 48.9 30.2 70.2

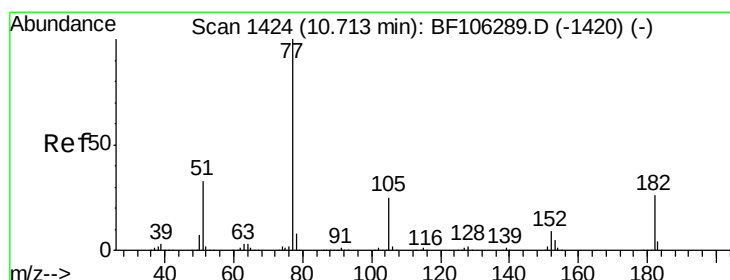
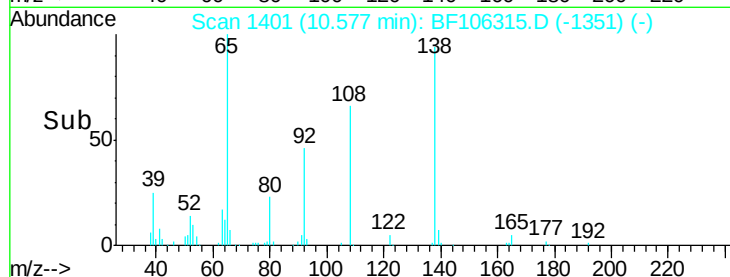
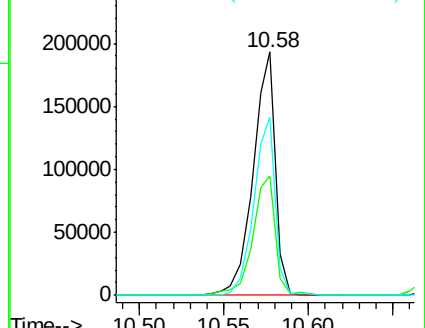
108 73.5 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 38.465 ng

RT: 10.71 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Tgt Ion: 77 Resp: 895536

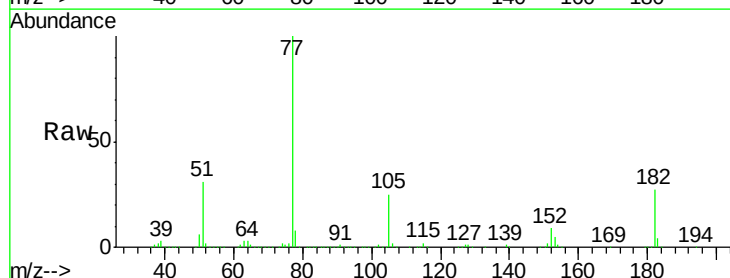
Ion Ratio Lower Upper

77 100

182 26.9 1.7 41.7

105 25.2 3.0 43.0

51 30.9 9.9 49.9

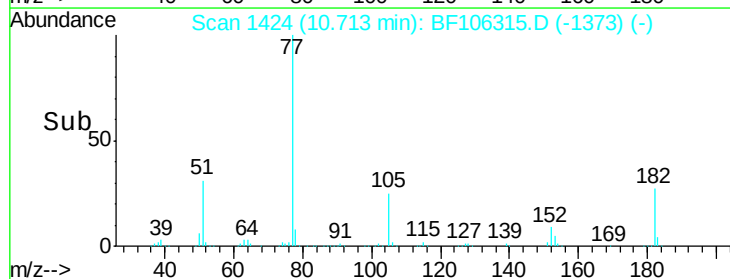
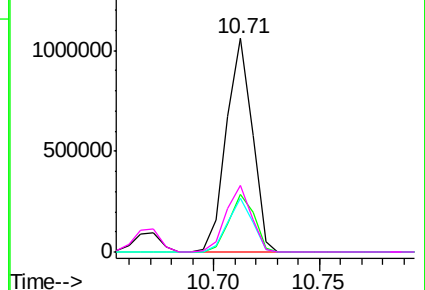


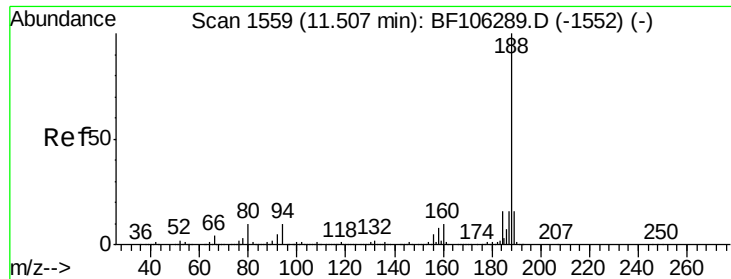
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

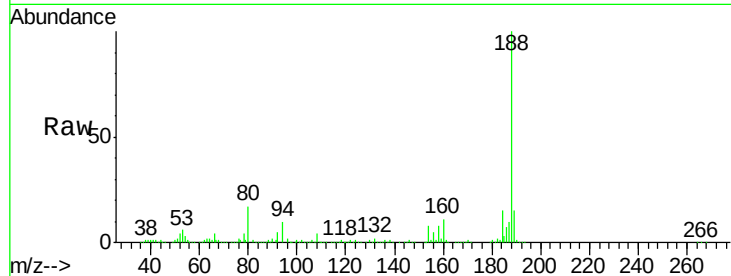
Tgt Ion:188 Resp: 499689

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

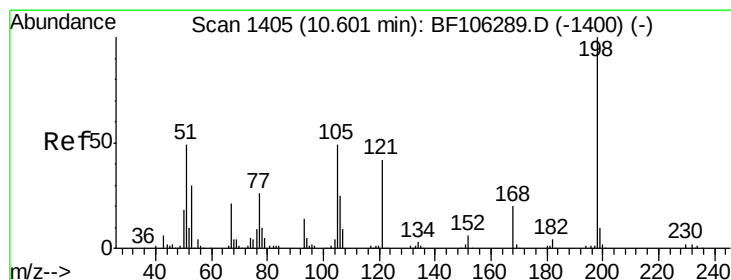
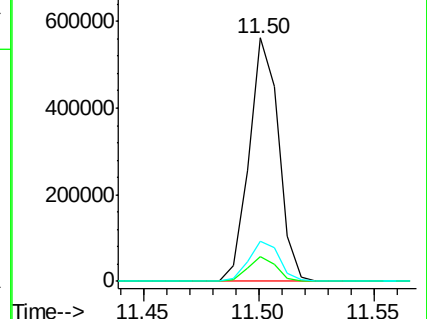
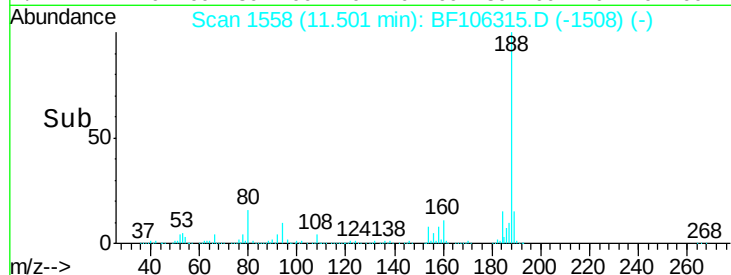
80 16.7 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 24.325 ng

RT: 10.60 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

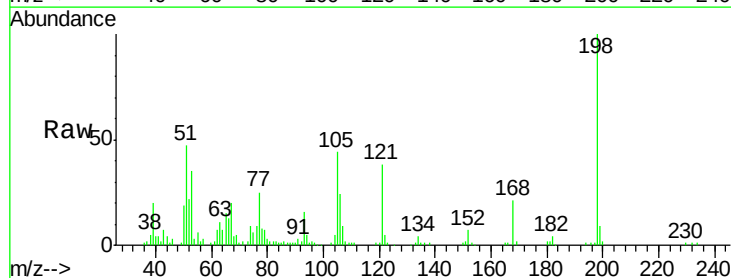
Tgt Ion:198 Resp: 55936

Ion Ratio Lower Upper

198 100

51 46.6 37.7 77.7

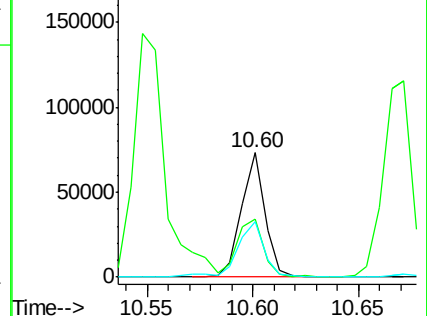
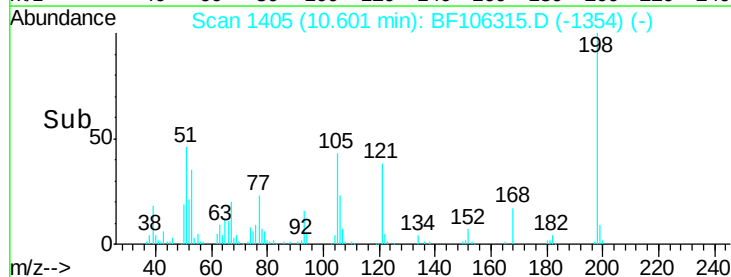
105 44.4 36.3 76.3

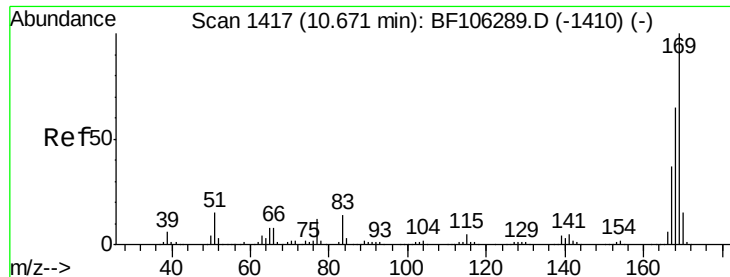


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

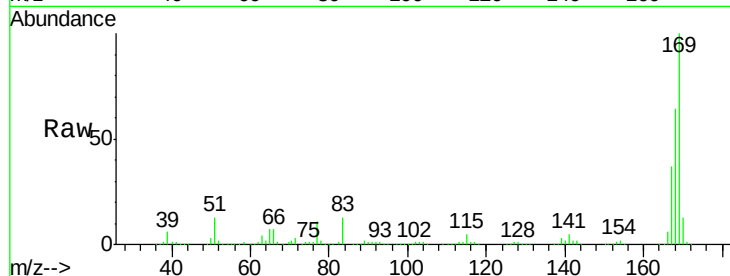




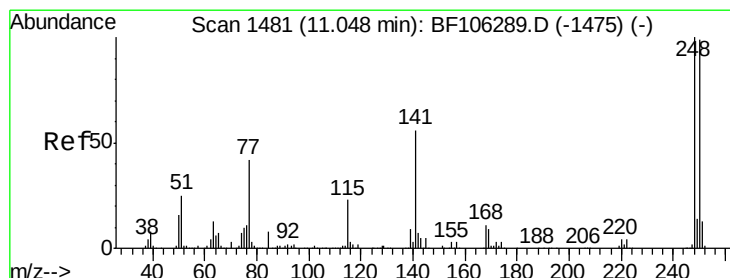
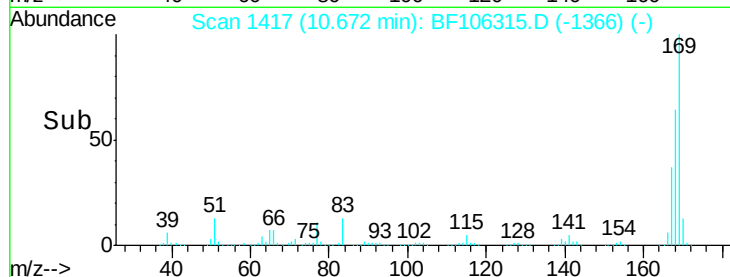
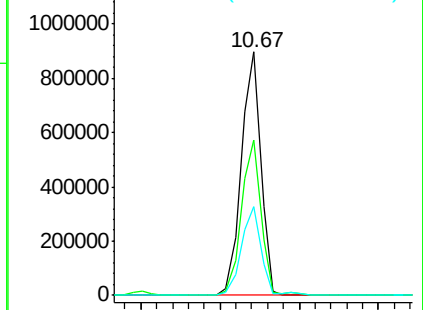
#65  
 n-Nitrosodiphenylamine  
 Concen: 45.585 ng  
 RT: 10.67 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Tgt Ion:169 Resp: 765541  
 Ion Ratio Lower Upper  
 169 100  
 168 64.0 54.4 81.6  
 167 36.5 29.8 44.6

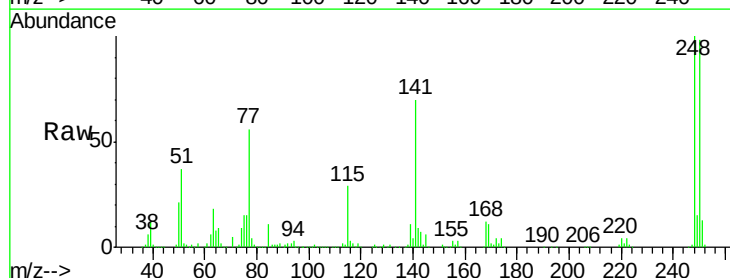


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

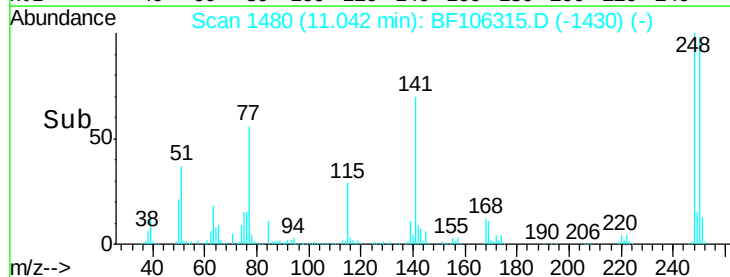
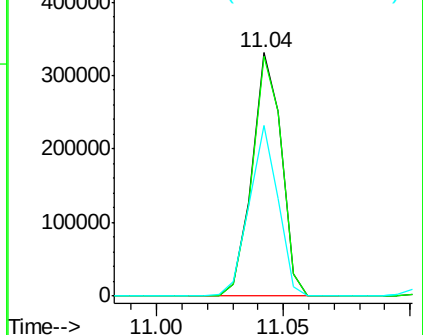


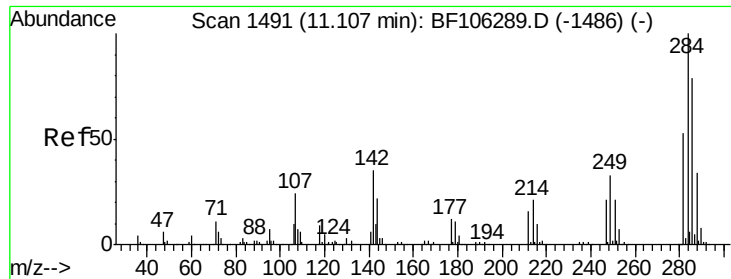
#66  
 4-Bromophenyl-phenylether  
 Concen: 47.105 ng  
 RT: 11.04 min Scan# 1480  
 Delta R.T. -0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion:248 Resp: 267717  
 Ion Ratio Lower Upper  
 248 100  
 250 98.3 76.9 115.3  
 141 70.4 74.4 111.6#



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





#67

Hexachlorobenzene

Concen: 43.855 ng

RT: 11.11 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

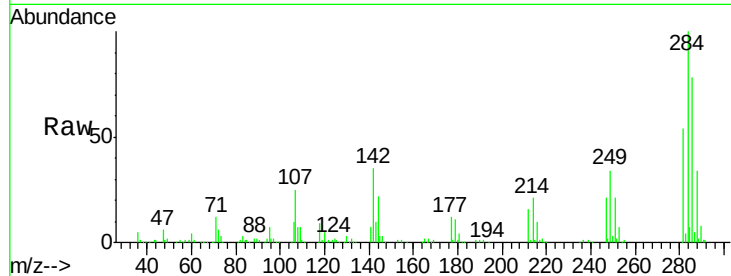
Tgt Ion:284 Resp: 256958

Ion Ratio Lower Upper

284 100

142 35.5 34.6 52.0

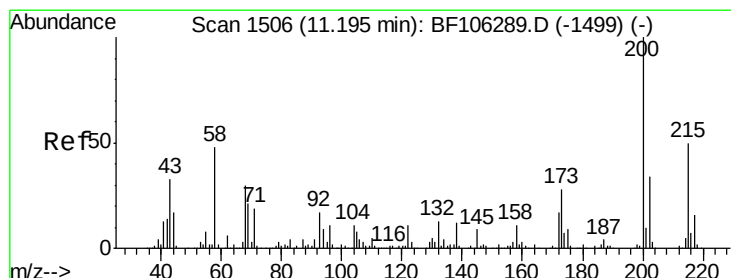
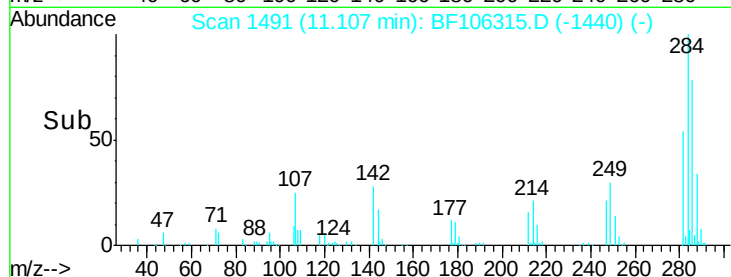
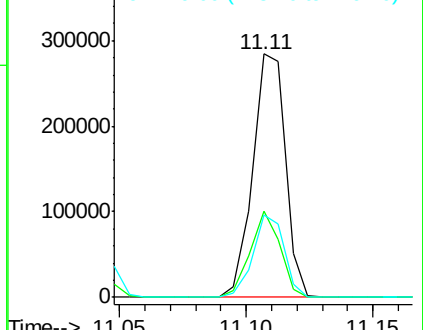
249 33.7 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 46.813 ng

RT: 11.20 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

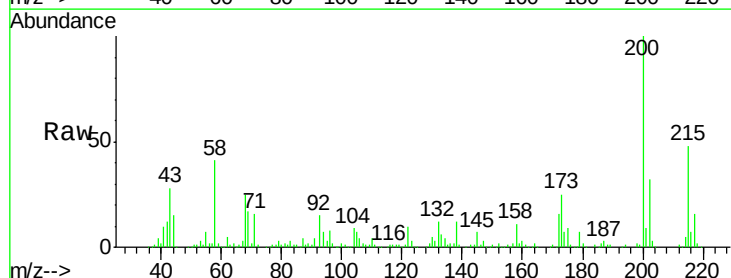
Tgt Ion:200 Resp: 242276

Ion Ratio Lower Upper

200 100

173 25.4 8.6 48.6

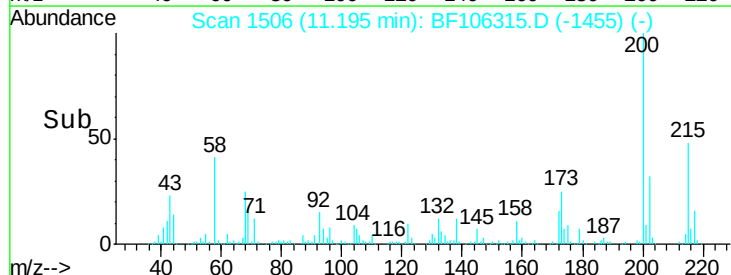
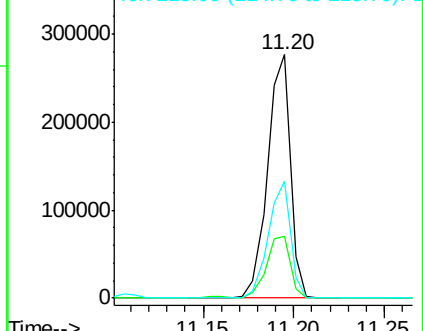
215 47.9 25.1 65.1

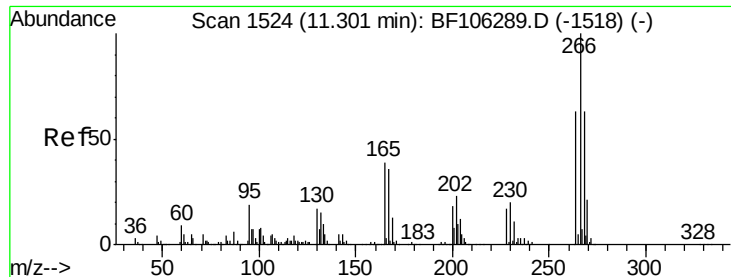


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

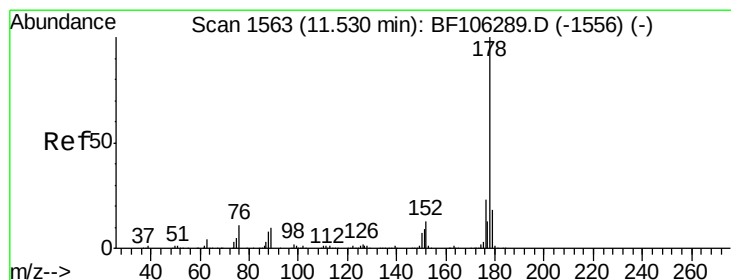
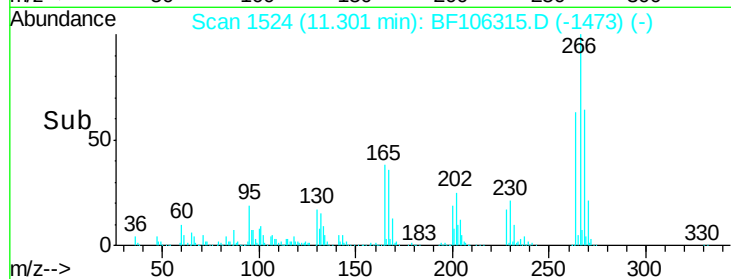
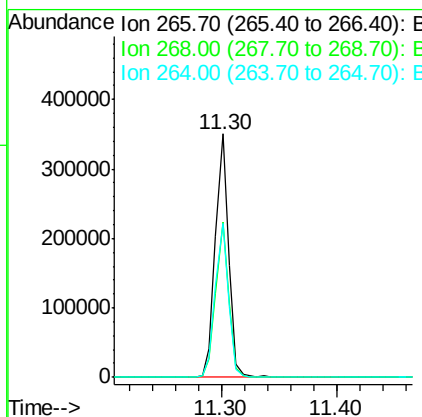
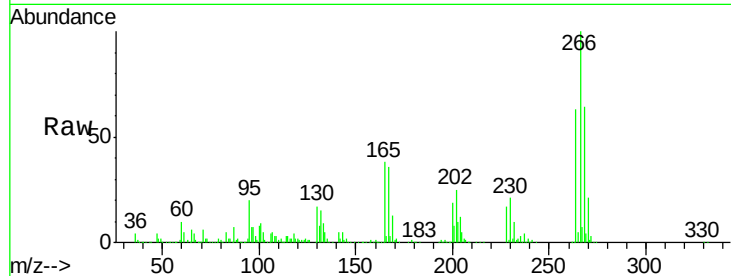




#69  
 Pentachlorophenol  
 Concen: 77.879 ng  
 RT: 11.30 min Scan# 1524  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

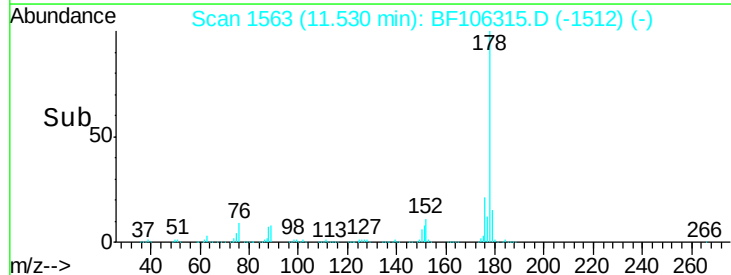
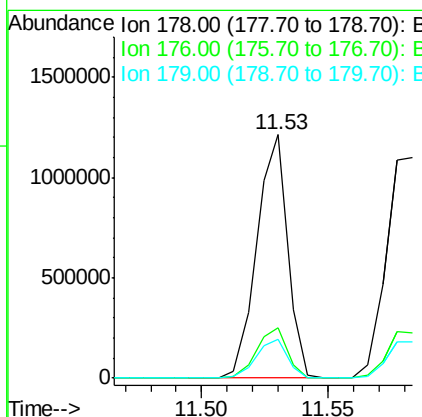
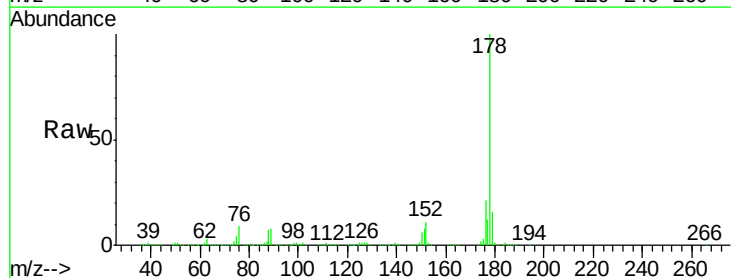
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

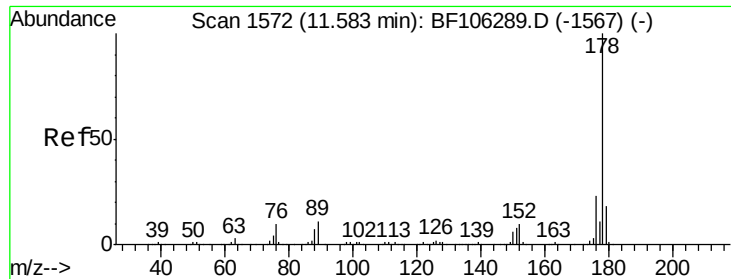
Tgt Ion: 266 Resp: 280940  
 Ion Ratio Lower Upper  
 266 100  
 268 63.9 51.1 76.7  
 264 63.1 49.5 74.3



#70  
 Phenanthrene  
 Concen: 42.163 ng  
 RT: 11.53 min Scan# 1563  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion: 178 Resp: 1031807  
 Ion Ratio Lower Upper  
 178 100  
 176 20.9 15.8 23.8  
 179 16.2 13.0 19.6

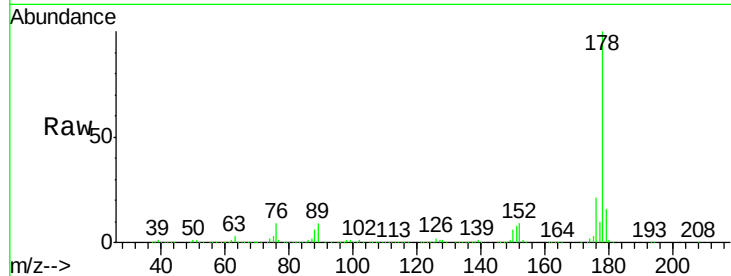




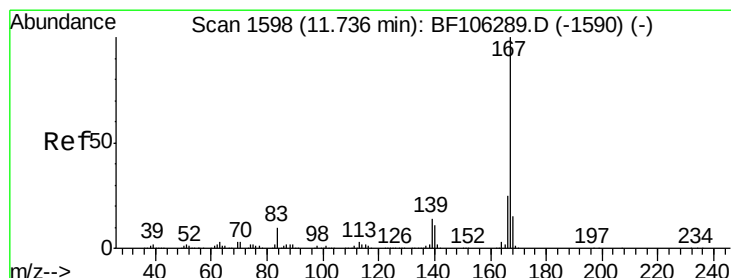
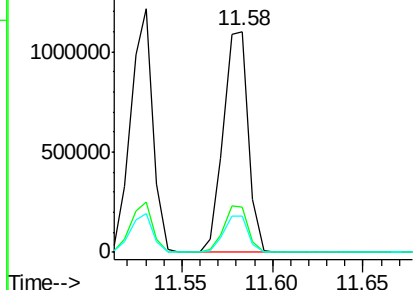
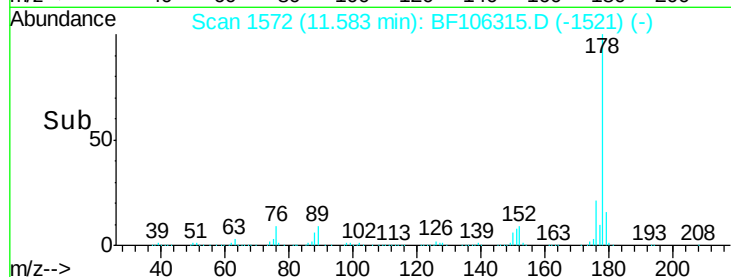
#71  
 Anthracene  
 Concen: 43.320 ng  
 RT: 11.58 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

Tgt Ion:178 Resp: 1062048  
 Ion Ratio Lower Upper  
 178 100  
 176 20.6 15.4 23.2  
 179 16.5 12.6 19.0

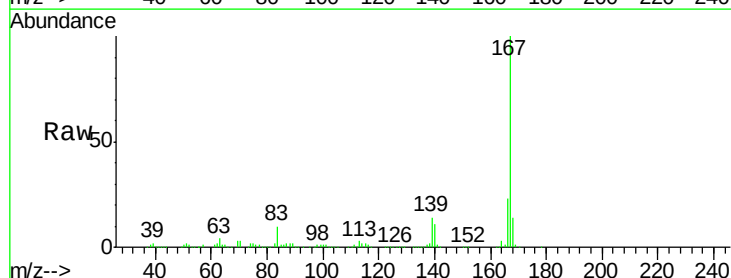


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

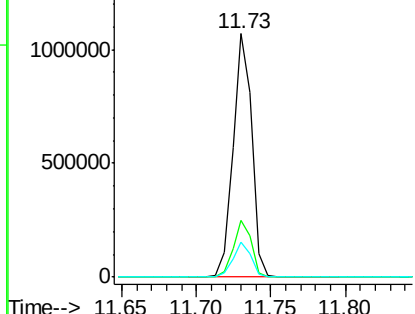
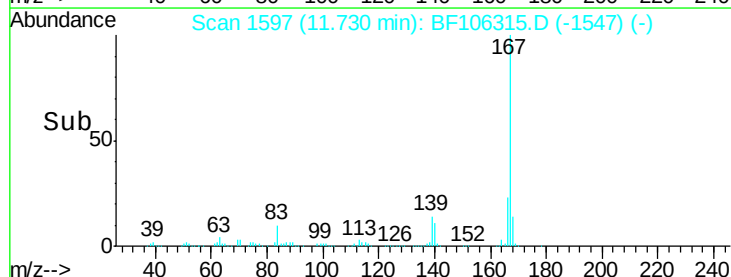


#72  
 Carbazole  
 Concen: 41.805 ng  
 RT: 11.73 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

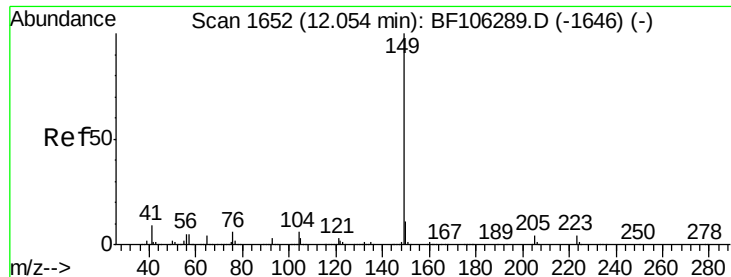
Tgt Ion:167 Resp: 946205  
 Ion Ratio Lower Upper  
 167 100  
 166 23.1 17.6 26.4  
 139 14.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 46.818 ng

RT: 12.05 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

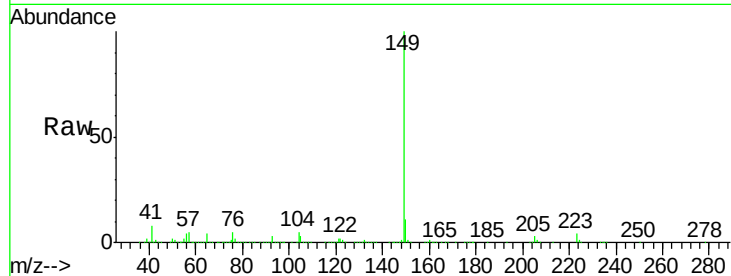
Tgt Ion:149 Resp: 1179370

Ion Ratio Lower Upper

149 100

150 10.6 7.8 11.6

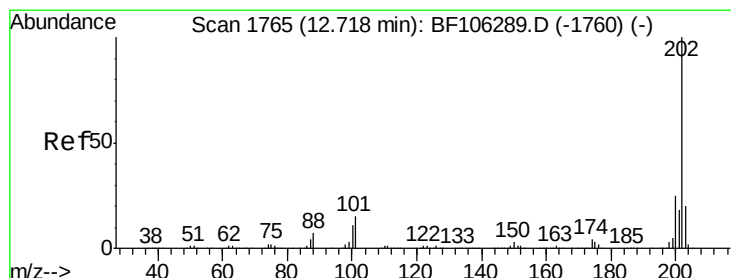
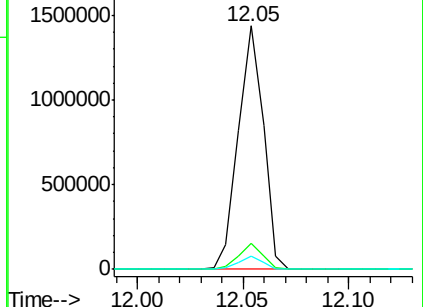
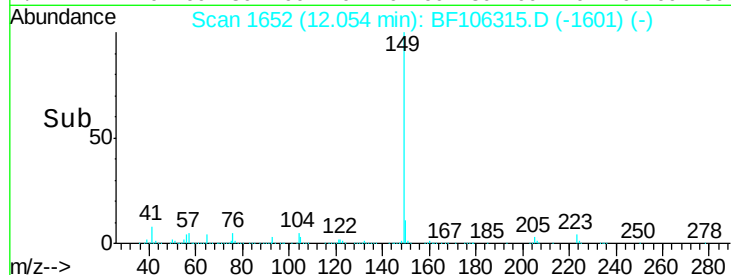
104 5.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.501 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

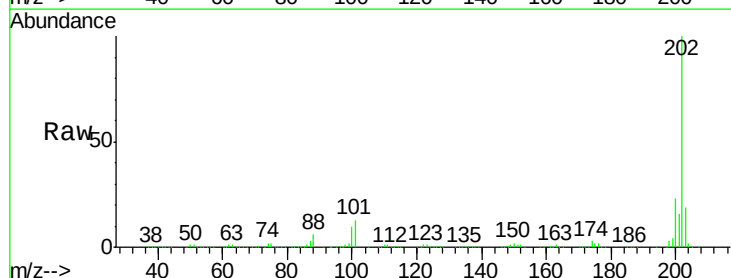
Tgt Ion:202 Resp: 1083093

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

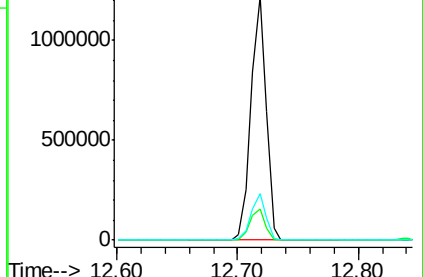
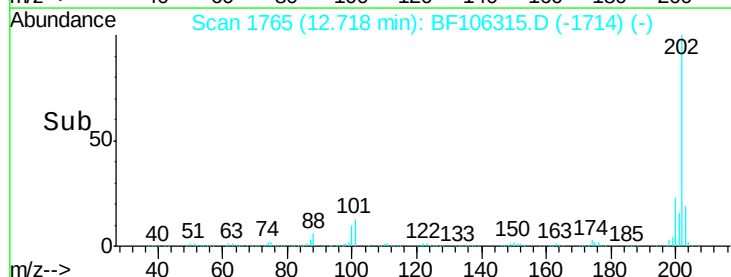
203 19.2 0.0 38.1

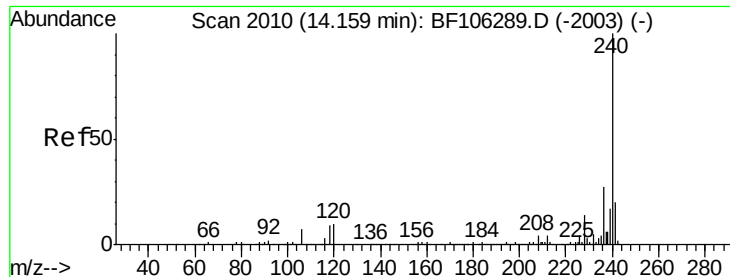


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

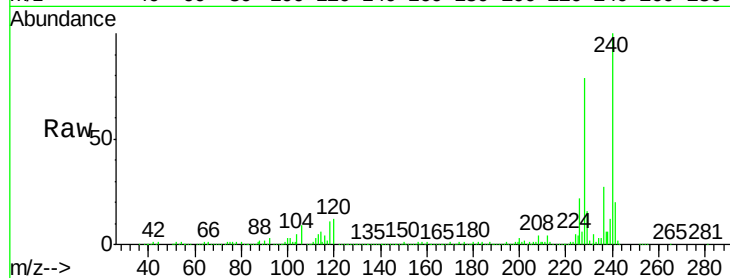
Tgt Ion:240 Resp: 478583

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

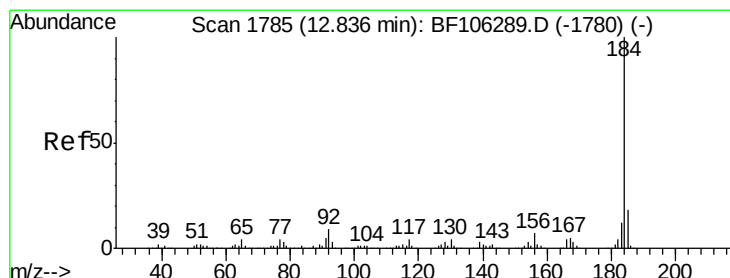
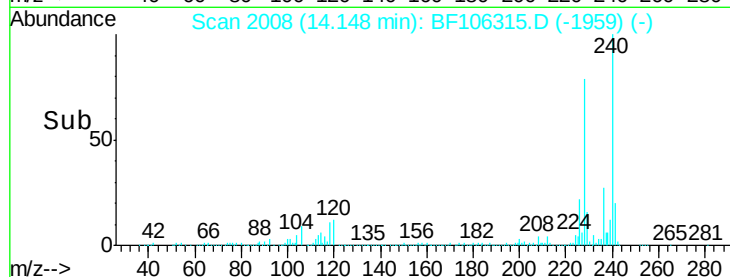
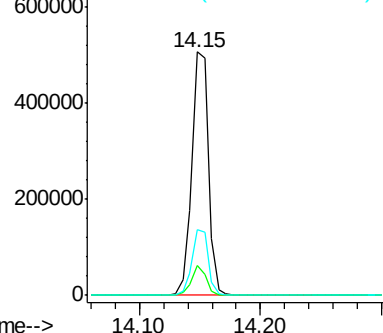
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 60.865 ng

RT: 12.84 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

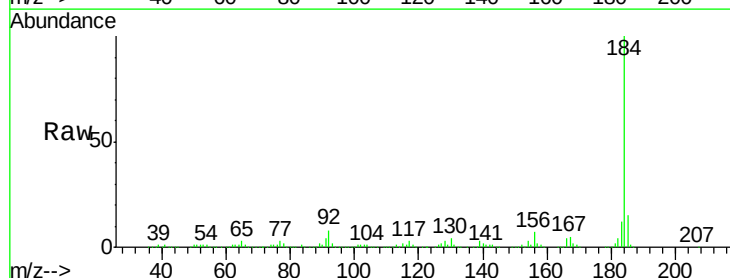
Tgt Ion:184 Resp: 969446

Ion Ratio Lower Upper

184 100

185 15.3 12.6 18.8

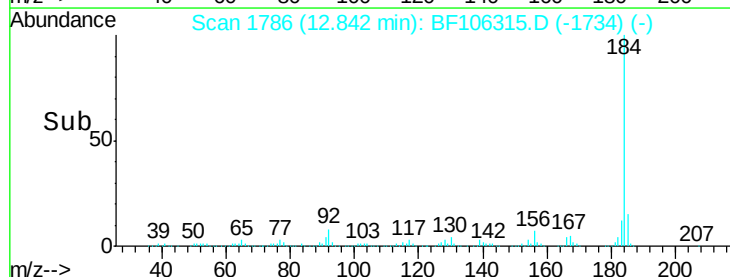
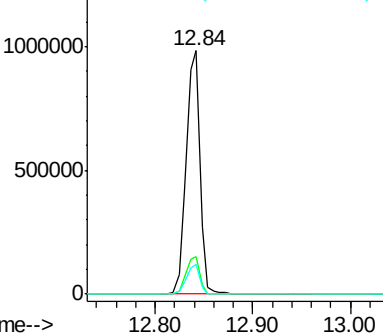
183 12.4 9.3 13.9

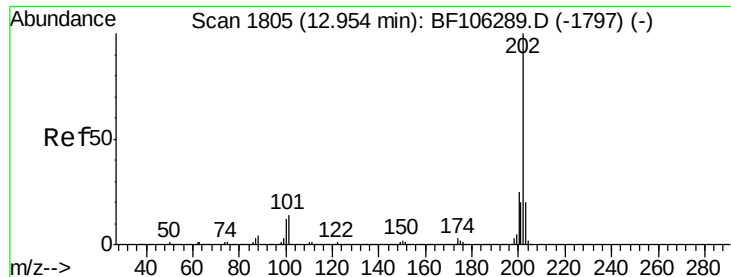


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 37.188 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD

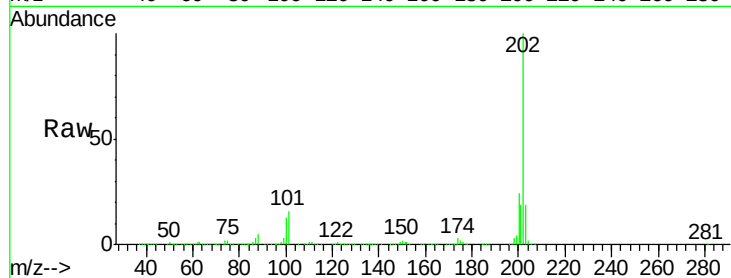
Tgt Ion:202 Resp: 1114250

Ion Ratio Lower Upper

202 100

200 23.5 17.4 26.2

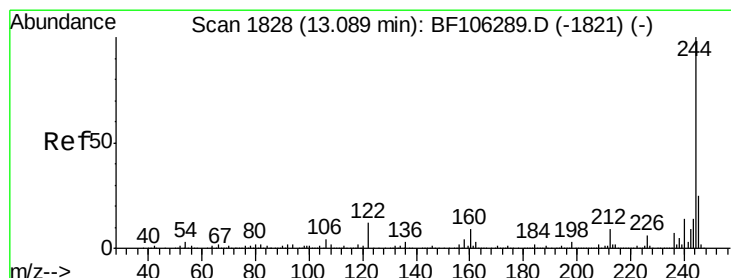
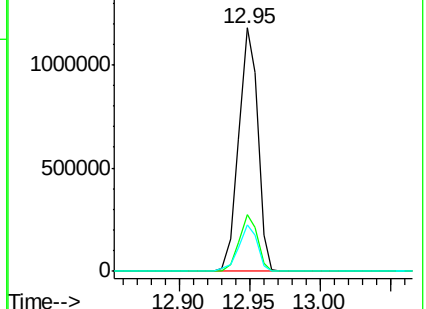
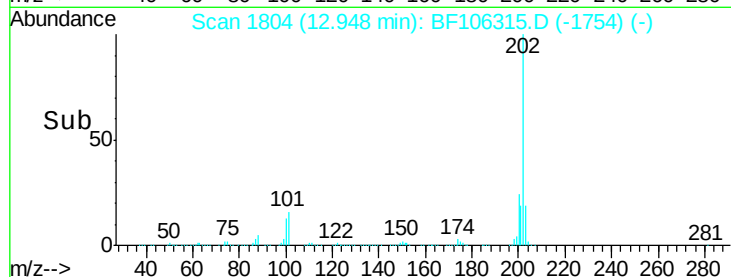
203 19.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.012 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106315.D

Acq: 12 Jun 2018 00:29

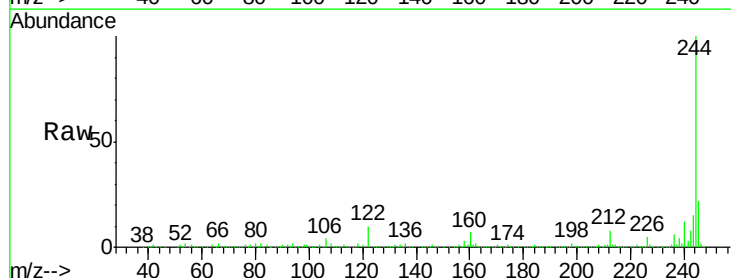
Tgt Ion:244 Resp: 1483894

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

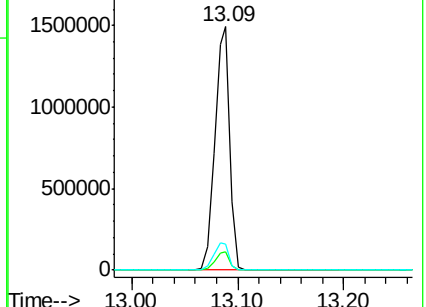
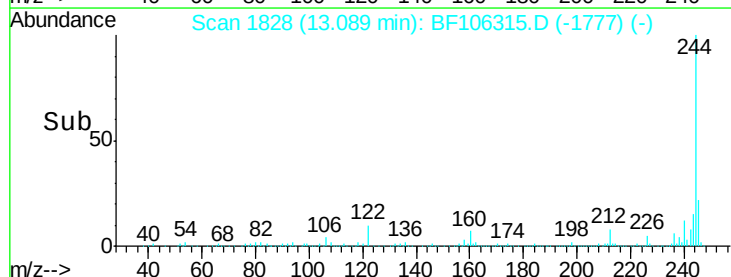
122 10.5 11.0 16.4#

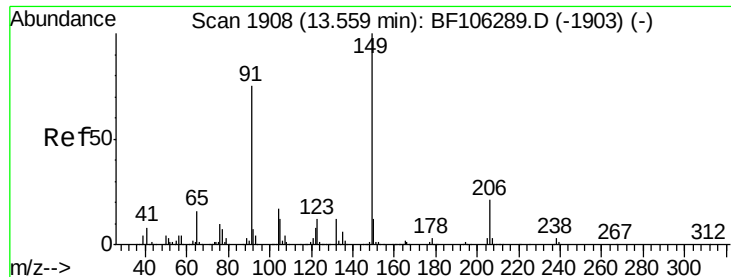


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

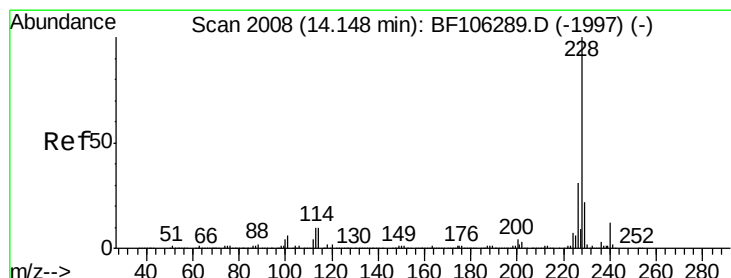
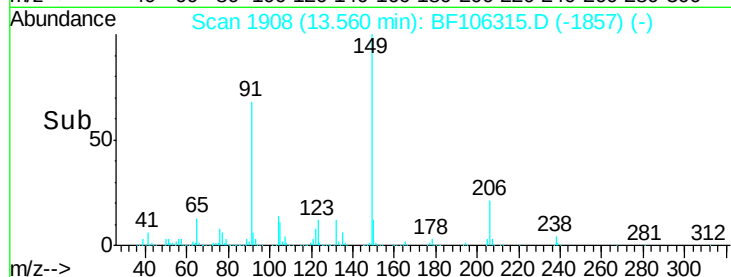
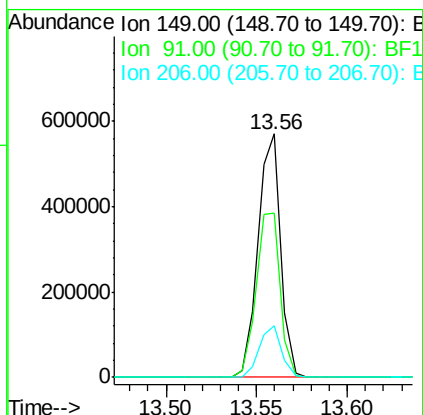
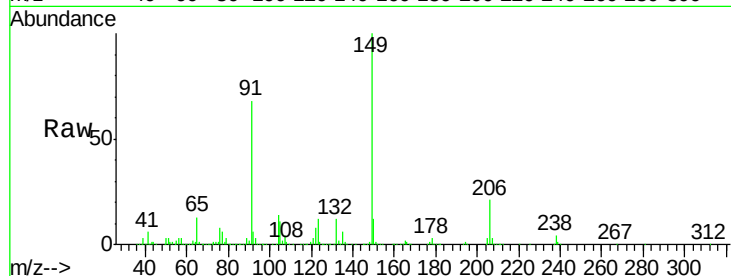




#79  
Butylbenzylphthalate  
Concen: 44.203 ng  
RT: 13.56 min Scan# 1908  
Delta R.T. 0.00 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

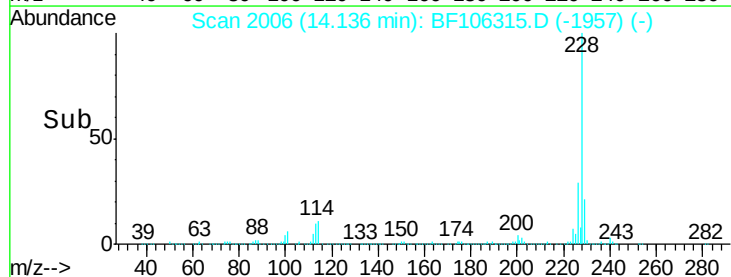
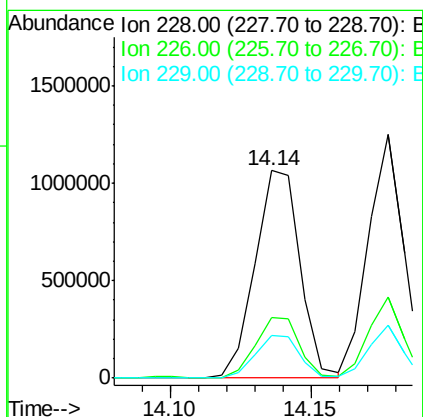
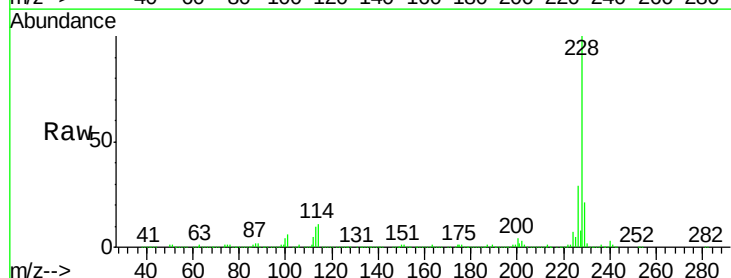
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

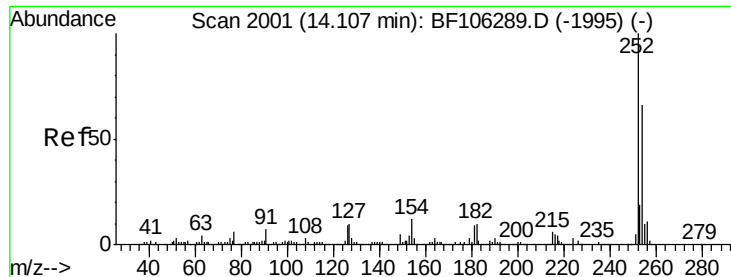
Tgt Ion:149 Resp: 495769  
Ion Ratio Lower Upper  
149 100  
91 67.7 56.8 85.2  
206 21.4 14.1 21.1#



#80  
Benzo(a)anthracene  
Concen: 41.235 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Tgt Ion:228 Resp: 1174373  
Ion Ratio Lower Upper  
228 100  
226 29.0 22.6 33.8  
229 20.7 15.8 23.6

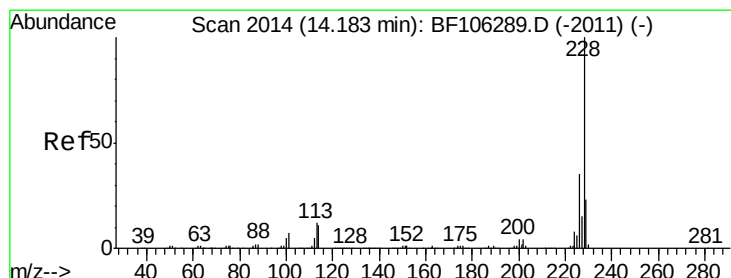
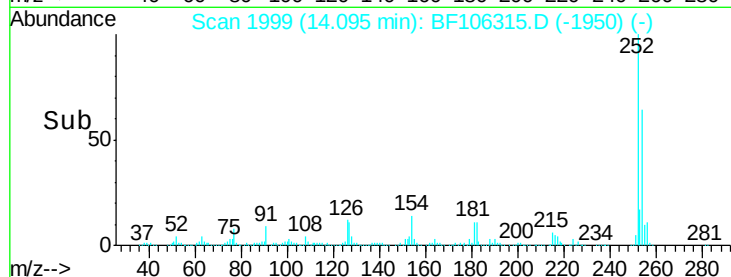
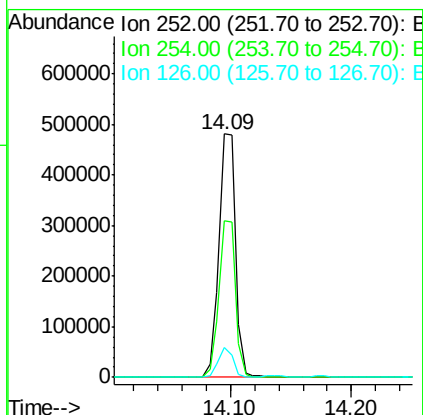
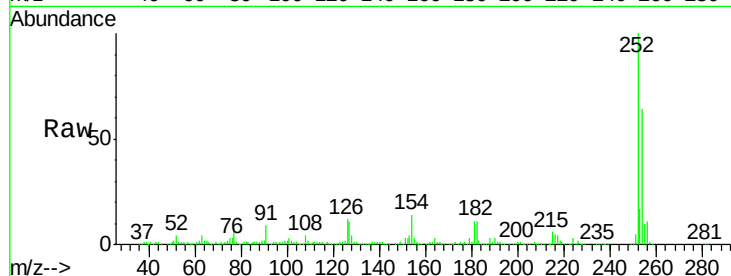




#81  
 3,3'-Dichlorobenzidine  
 Concen: 47.016 ng  
 RT: 14.09 min Scan# 1999  
 Delta R.T. -0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

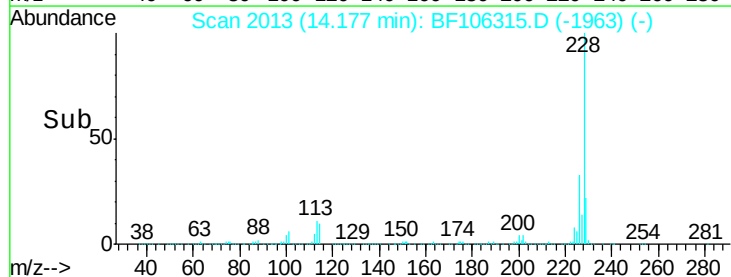
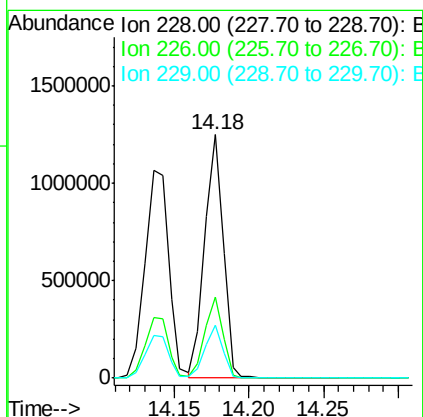
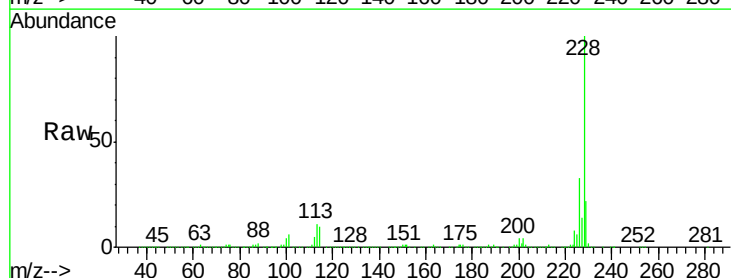
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

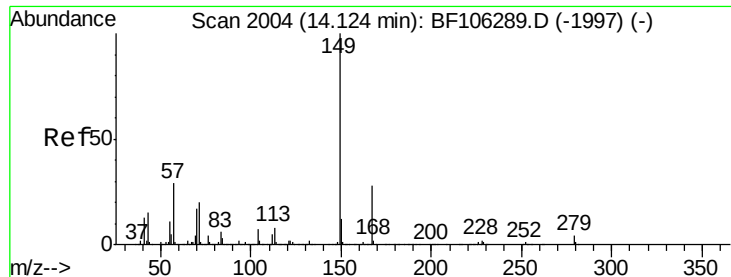
Tgt Ion:252 Resp: 451782  
 Ion Ratio Lower Upper  
 252 100  
 254 64.4 50.4 75.6  
 126 12.1 11.3 16.9



#82  
 Chrysene  
 Concen: 41.178 ng  
 RT: 14.18 min Scan# 2013  
 Delta R.T. -0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion:228 Resp: 1070742  
 Ion Ratio Lower Upper  
 228 100  
 226 33.2 25.0 37.6  
 229 21.9 16.2 24.4

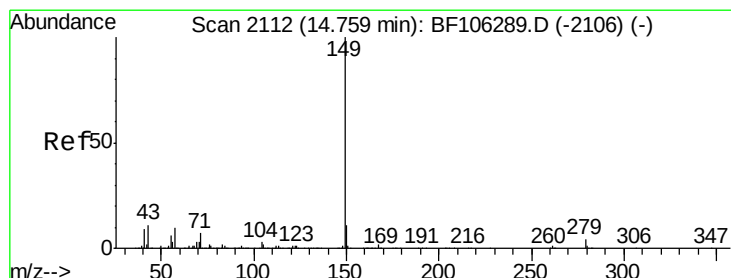
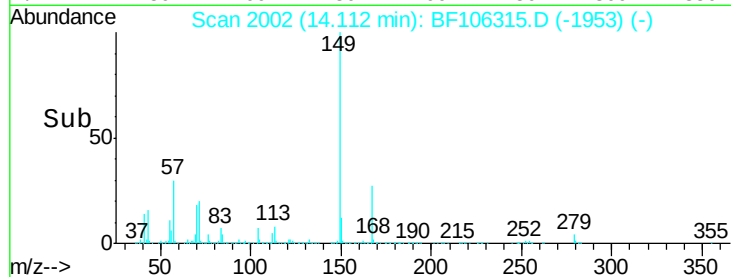
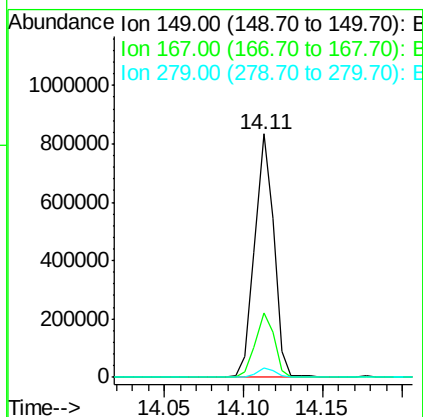
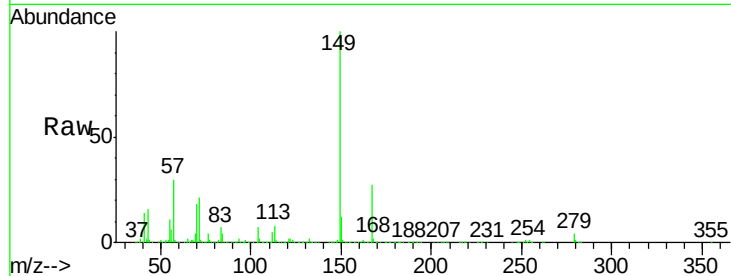




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.693 ng  
 RT: 14.11 min Scan# 2002  
 Delta R.T. -0.01 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

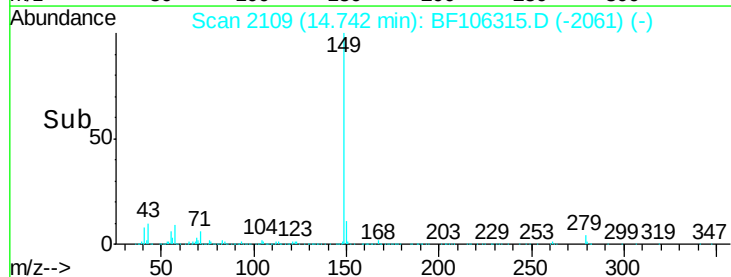
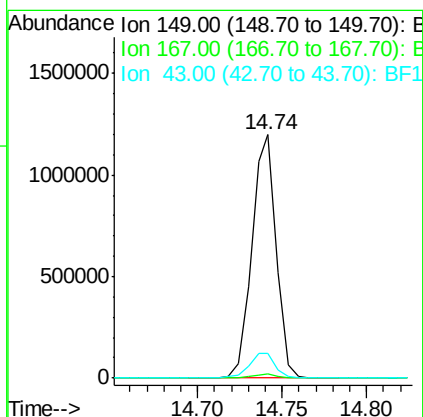
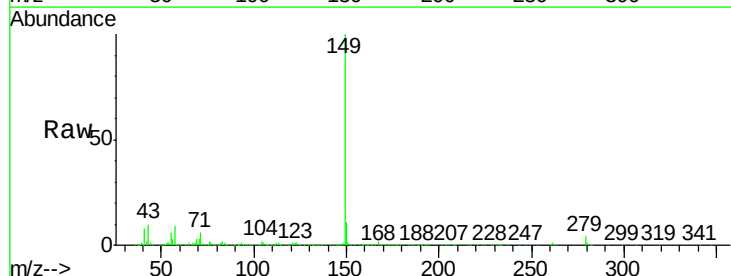
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

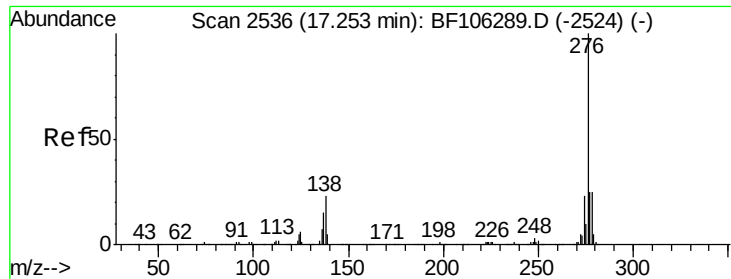
Tgt Ion:149 Resp: 702642  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.3 31.9  
 279 3.7 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 51.617 ng  
 RT: 14.74 min Scan# 2109  
 Delta R.T. -0.02 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Tgt Ion:149 Resp: 1196654  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 10.5 8.4 12.6

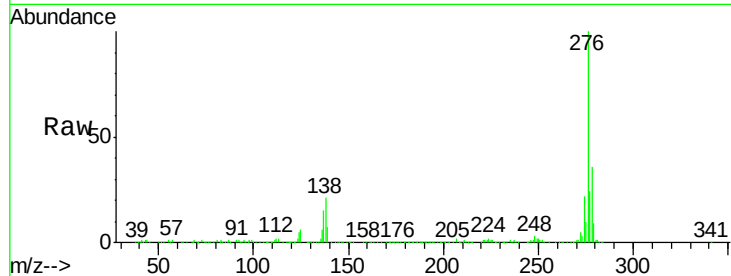




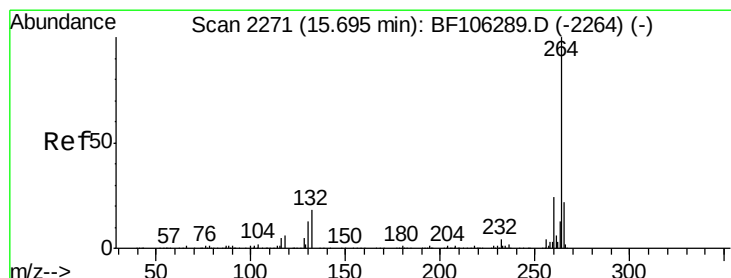
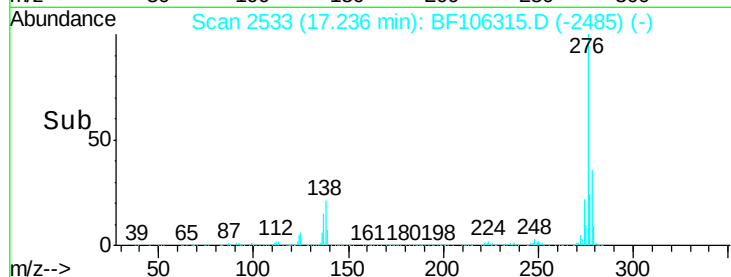
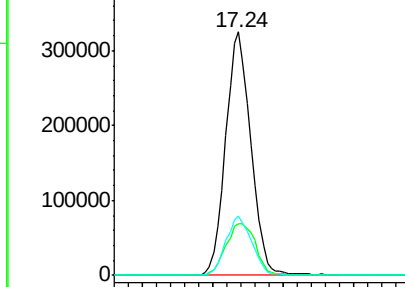
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.941 ng  
 RT: 17.24 min Scan# 2533  
 Delta R.T. -0.02 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.9  | 25.0  | 37.6# |
| 277     | 25.2  | 20.1  | 30.1  |

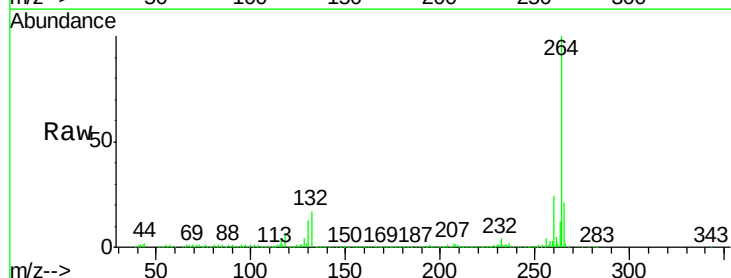


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

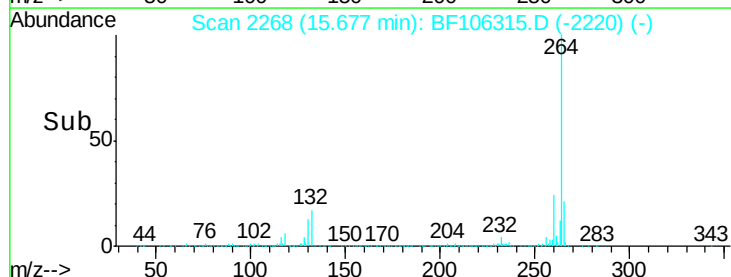
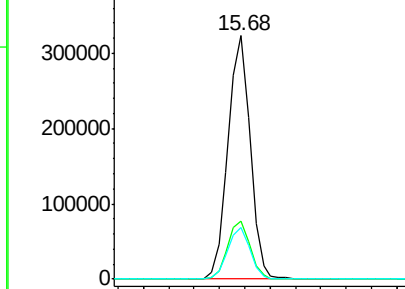


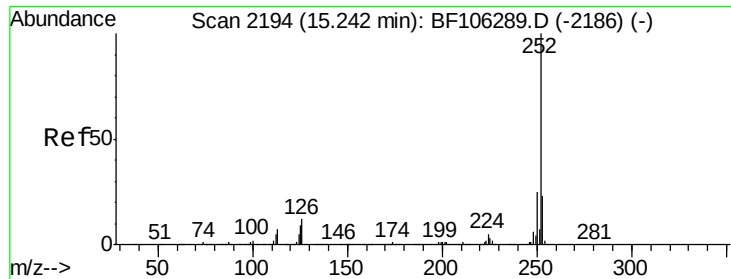
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.02 min  
 Lab File: BF106315.D  
 Acq: 12 Jun 2018 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 21.4  | 17.5  | 26.3  |



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

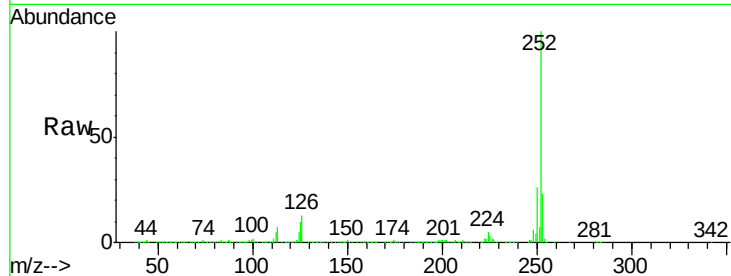




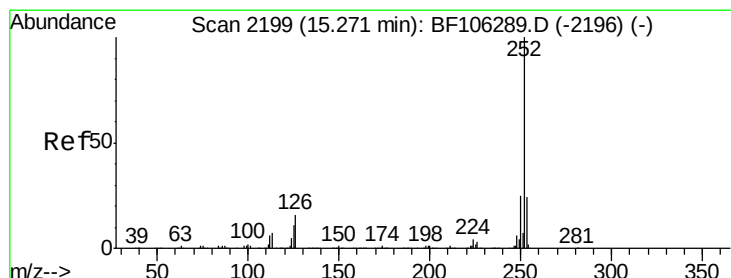
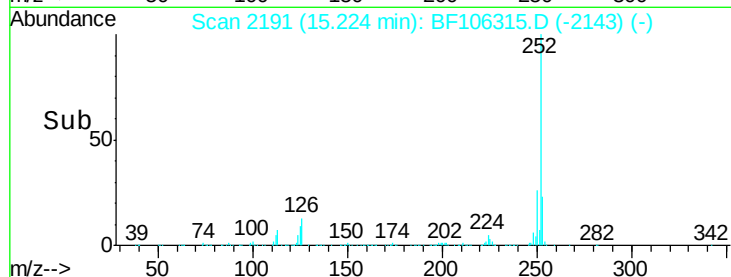
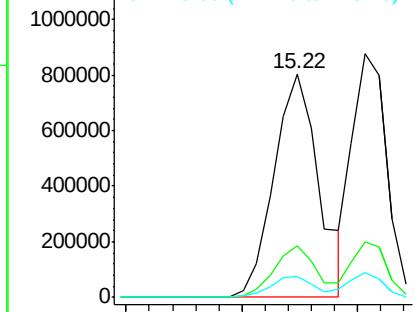
#87  
Benzo(b)fluoranthene  
Concen: 45.539 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. -0.02 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

Instrument :  
BNA\_F  
ClientSampled :  
SP-1MSD

Tgt Ion:252 Resp: 1080833  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.0 25.6  
125 9.5 9.0 13.6

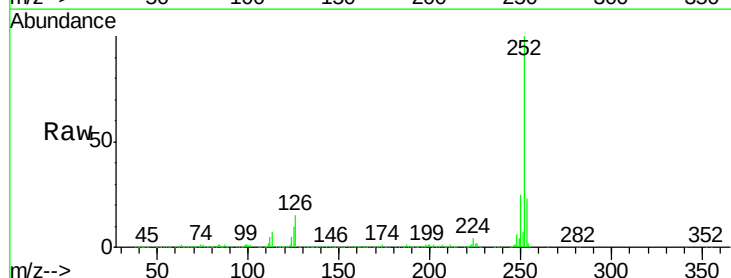


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

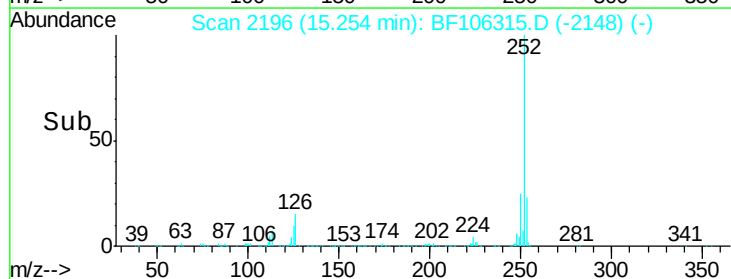
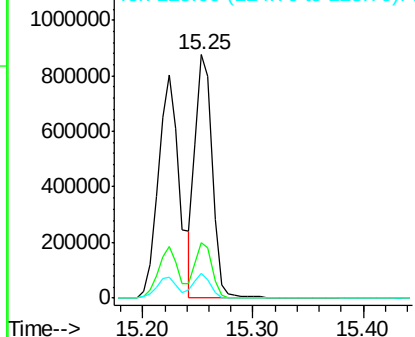


#88  
Benzo(k)fluoranthene  
Concen: 39.271 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.02 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

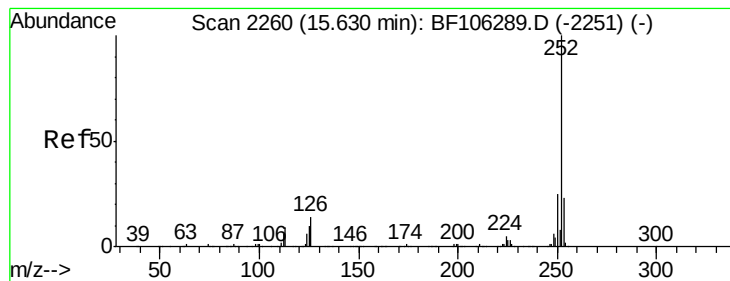
Tgt Ion:252 Resp: 923084  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.9 26.9  
125 10.1 10.2 15.2#



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



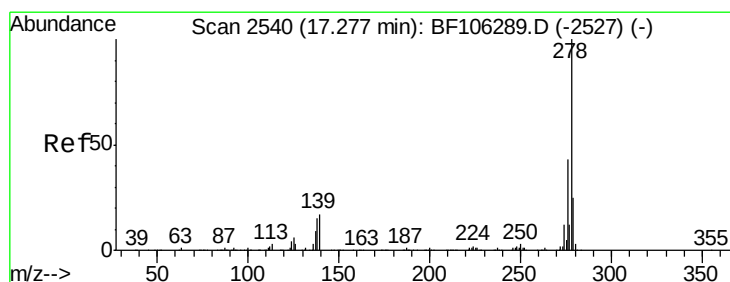
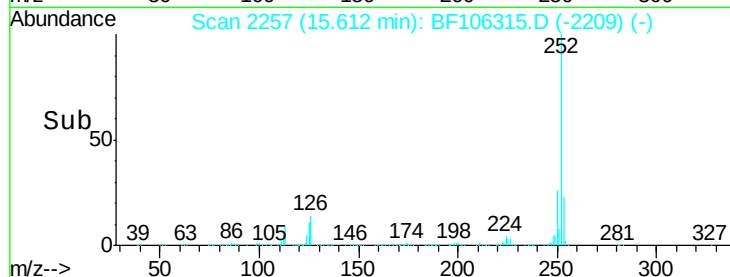
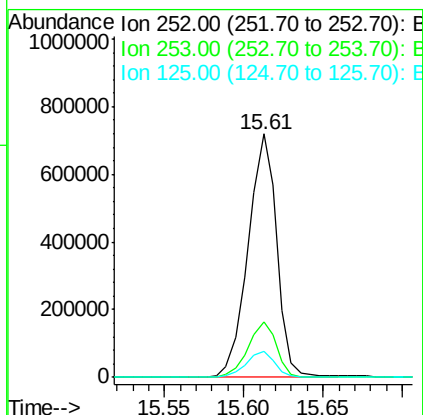
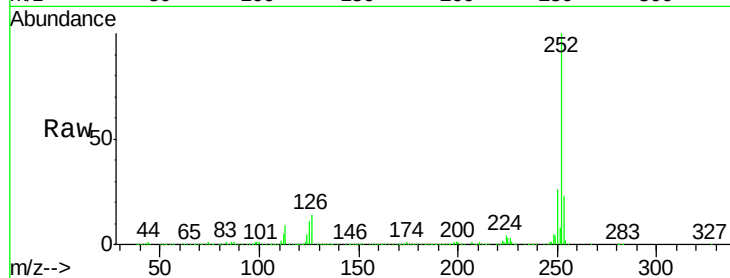




#89  
Benzo(a)pyrene  
Concen: 42.245 ng  
RT: 15.61 min Scan# 2257  
Delta R.T. -0.02 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

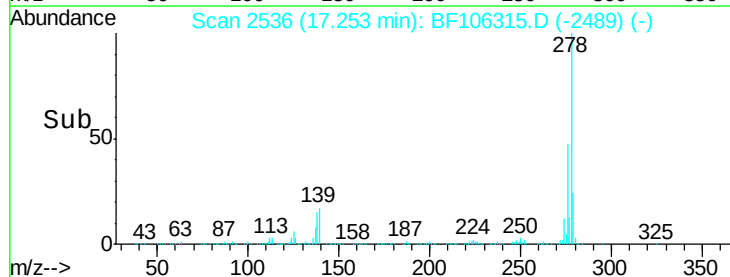
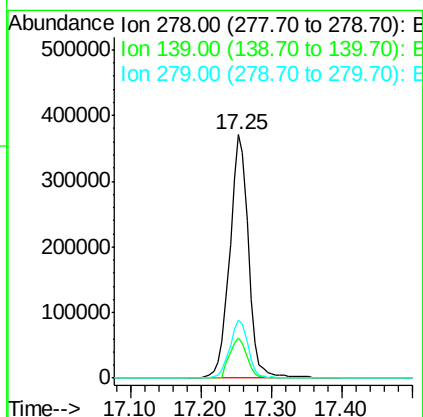
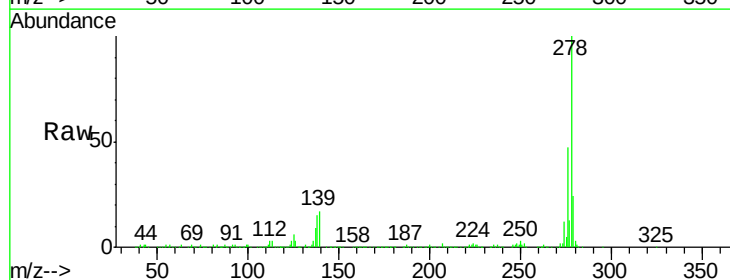
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1MSD

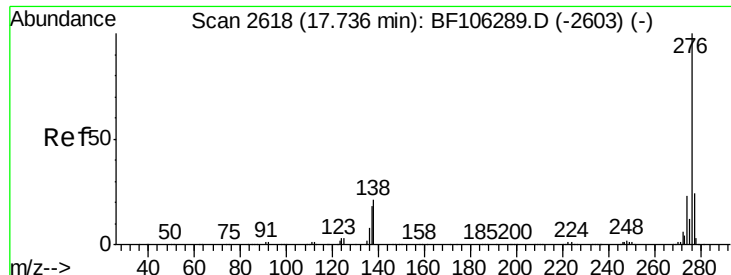
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.1  | 25.7  |
| 125     | 10.8  | 9.8   | 14.6  |



#90  
Dibenzo(a,h)anthracene  
Concen: 38.411 ng  
RT: 17.25 min Scan# 2536  
Delta R.T. -0.02 min  
Lab File: BF106315.D  
Acq: 12 Jun 2018 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.5  | 15.9  | 23.9  |
| 279     | 24.0  | 19.0  | 28.4  |





#91

Benzo(g,h,i)perylene

Concen: 36.903 ng

RT: 17.71 min Scan# 2613

Delta R.T. -0.03 min

Lab File: BF106315.D

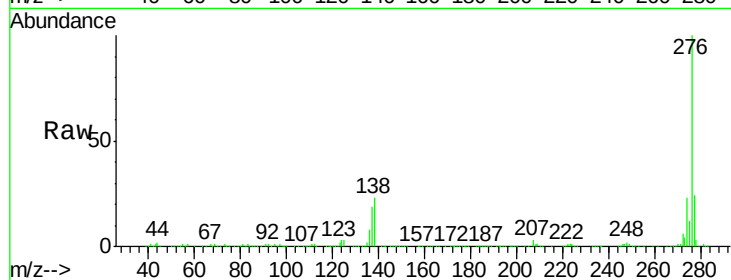
Acq: 12 Jun 2018 00:29

Instrument :

BNA\_F

ClientSampleId :

SP-1MSD



Tgt Ion:276 Resp: 638296

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 22.8 21.8 32.8

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

