

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062016\  
 Data File : BF088185.D  
 Acq On : 20 Jun 2016 21:51  
 Operator : UM/SJ  
 Sample : PB91264BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

Quant Time: Jun 21 01:36:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 20 17:39:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 88340    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.95  | 136  | 349802   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.70  | 164  | 167687   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.18 | 188  | 303675   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.81 | 240  | 222635   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.18 | 264  | 182834   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 576528 | 111.57 | ng | 0.01  |
| 7) Phenol-d6             | 6.33  | 99  | 712122 | 113.71 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.24  | 82  | 478864 | 79.94  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 166337 | 93.94  | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.03  | 172 | 915954 | 85.86  | ng | -0.01 |
| 78) Terphenyl-d14        | 12.77 | 244 | 831551 | 84.99  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.22 | 88  | 78012   | 31.07 | ng | # 36   |
| 3) Pyridine                    | 2.88 | 79  | 193886  | 32.70 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 2.83 | 42  | 93985   | 37.43 | ng | 79     |
| 6) Aniline                     | 6.33 | 93  | 163748  | 18.37 | ng | # 43   |
| 8) 2-Chlorophenol              | 6.46 | 128 | 258578  | 42.28 | ng | 93     |
| 10) Phenol                     | 6.34 | 94  | 320230  | 49.79 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 220861  | 40.22 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146 | 262308  | 39.97 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146 | 275465  | 41.67 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146 | 232744m | 38.71 | ng |        |
| 15) Benzyl Alcohol             | 6.82 | 79  | 166030  | 33.89 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 257196  | 34.67 | ng | 74     |
| 17) 2-Methylphenol             | 6.95 | 107 | 202203  | 40.77 | ng | 97     |
| 18) Hexachloroethane           | 7.18 | 117 | 96269   | 41.04 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70  | 162537  | 40.57 | ng | # 86   |
| 20) 3+4-Methylphenols          | 7.11 | 107 | 264578  | 45.72 | ng | # 75   |
| 22) Acetophenone               | 7.08 | 105 | 320757  | 41.03 | ng | # 98   |
| 24) Nitrobenzene               | 7.26 | 77  | 233785  | 40.29 | ng | 90     |
| 25) Isophorone                 | 7.50 | 82  | 447241  | 40.31 | ng | 99     |
| 26) 2-Nitrophenol              | 7.58 | 139 | 139182  | 44.78 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 226780  | 39.63 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 282017  | 40.98 | ng | # 96   |
| 29) 2,4-Dichlorophenol         | 7.83 | 162 | 216020  | 45.21 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180 | 209401  | 40.25 | ng | 98     |
| 31) Naphthalene                | 7.98 | 128 | 723586  | 41.80 | ng | 99     |
| 32) Benzoic acid               | 7.77 | 122 | 79603   | 25.26 | ng | 96     |
| 33) 4-Chloroaniline            | 8.03 | 127 | 105909  | 13.70 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 108296  | 39.47 | ng | 98     |
| 35) Caprolactam                | 8.41 | 113 | 67185m  | 42.45 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.54 | 107 | 223771  | 43.79 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 470057  | 41.20 | ng | # 97   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 193757  | 44.09 | ng | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 119350  | 44.12 | ng | 99     |
| 42) 2,4,6-Trichlorophenol      | 8.96 | 196 | 125767  | 37.50 | ng | 99     |

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 ALS Vial : 15 Sample Multiplier: 1

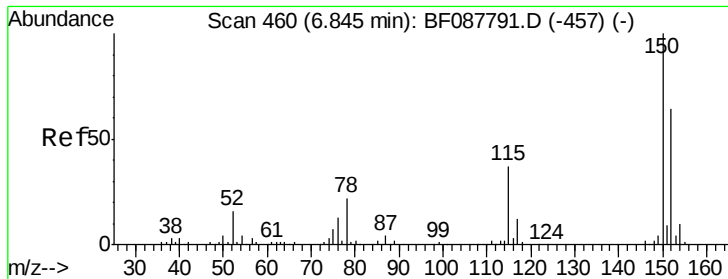
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

Quant Time: Jun 21 01:36:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
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 QLast Update : Mon Jun 20 17:39:32 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.00  | 196  | 138945   | 39.83 | ng    | # 95     |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 565950   | 44.96 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 450382   | 41.51 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.26  | 65   | 120613   | 37.68 | ng    | 92       |
| 48) Acenaphthylene             | 9.56  | 152  | 654655   | 37.93 | ng    | 100      |
| 49) Dimethylphthalate          | 9.44  | 163  | 512116   | 42.16 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.51  | 165  | 124229   | 44.66 | ng    | # 82     |
| 51) Acenaphthene               | 9.74  | 154  | 407165   | 37.81 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.67  | 138  | 66526    | 20.72 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 67775    | 49.72 | ng    | 96       |
| 54) Dibenzofuran               | 9.91  | 168  | 552164   | 37.24 | ng    | # 89     |
| 55) 4-Nitrophenol              | 9.86  | 139  | 130060   | 52.20 | ng    | # 73     |
| 56) 2,4-Dinitrotoluene         | 9.91  | 165  | 147673   | 41.31 | ng    | # 63     |
| 57) Fluorene                   | 10.25 | 166  | 475659   | 47.76 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 109108   | 39.80 | ng    | # 56     |
| 59) Diethylphthalate           | 10.14 | 149  | 532201   | 43.28 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.24 | 204  | 189348   | 38.40 | ng    | 89       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 124549   | 40.91 | ng    | 100      |
| 62) Azobenzene                 | 10.40 | 77   | 488298   | 40.16 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 63180    | 33.99 | ng    | # 62     |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 412527   | 40.94 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 135230   | 41.51 | ng    | # 91     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 141146   | 41.70 | ng    | # 73     |
| 68) Atrazine                   | 10.90 | 200  | 133945   | 43.90 | ng    | 97       |
| 69) Pentachlorophenol          | 10.99 | 266  | 89694    | 50.27 | ng    | 97       |
| 70) Phenanthrene               | 11.21 | 178  | 695247   | 43.63 | ng    | 98       |
| 71) Anthracene                 | 11.26 | 178  | 695060   | 43.24 | ng    | 99       |
| 72) Carbazole                  | 11.42 | 167  | 647944   | 43.08 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.75 | 149  | 786718   | 41.32 | ng    | 100      |
| 74) Fluoranthene               | 12.39 | 202  | 728915   | 43.34 | ng    | 98       |
| 76) Benzidine                  | 12.51 | 184  | 239492   | 38.85 | ng    | 98       |
| 77) Pyrene                     | 12.62 | 202  | 743697   | 45.02 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.23 | 149  | 338158   | 46.30 | ng    | # 85     |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 509931   | 40.19 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.76 | 252  | 111067   | 32.55 | ng    | # 95     |
| 82) Chrysene                   | 13.84 | 228  | 579291   | 48.53 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149  | 406737   | 45.74 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.40 | 149  | 778425   | 53.88 | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.47 | 276  | 453229   | 40.87 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.80 | 252  | 464356m  | 36.44 | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 489198m  | 50.89 | ng    |          |
| 89) Benzo(a)pyrene             | 15.13 | 252  | 459523   | 44.57 | ng    | # 93     |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 382313   | 39.92 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 16.85 | 276  | 409281   | 41.55 | ng    | 98       |

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



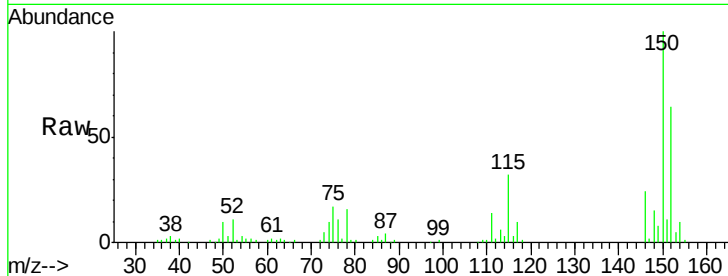


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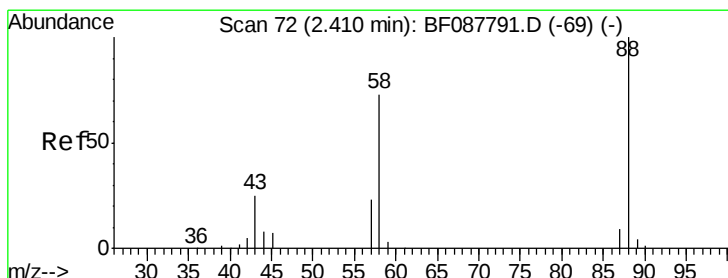
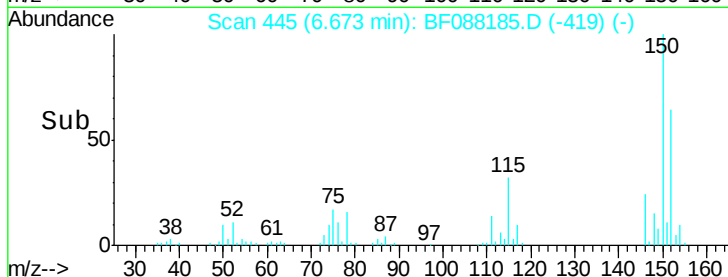
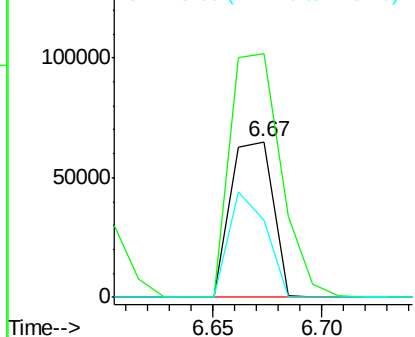
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.67 min Scan# 445  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

Tgt Ion:152 Resp: 88340  
Ion Ratio Lower Upper  
152 100  
150 156.4 123.8 185.6  
115 49.7 39.6 59.4



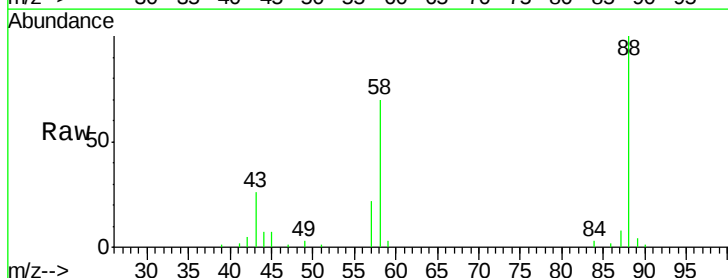
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



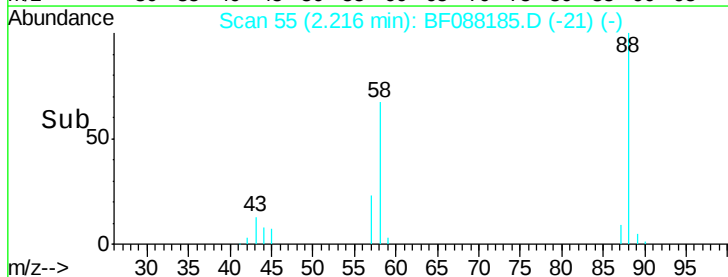
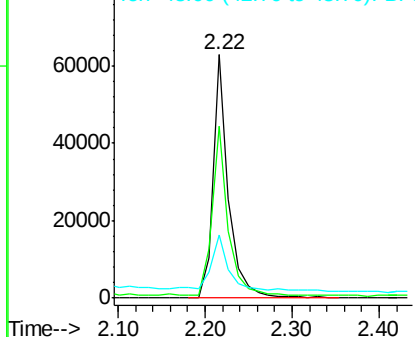
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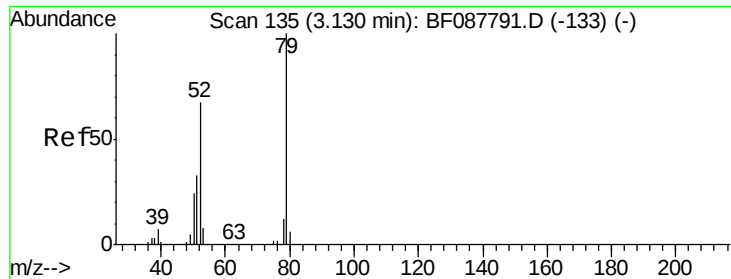
1,4-Dioxane  
Concen: 31.07 ng  
RT: 2.22 min Scan# 55  
Delta R.T. 0.09 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 88 Resp: 78012  
Ion Ratio Lower Upper  
88 100  
58 72.4 0.0 0.0#  
43 25.2 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0

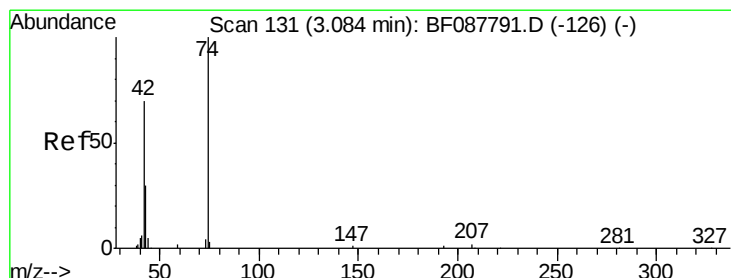
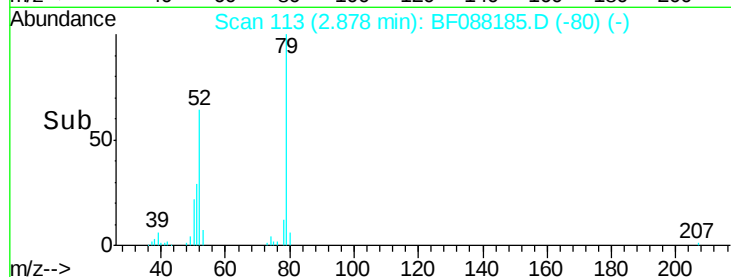
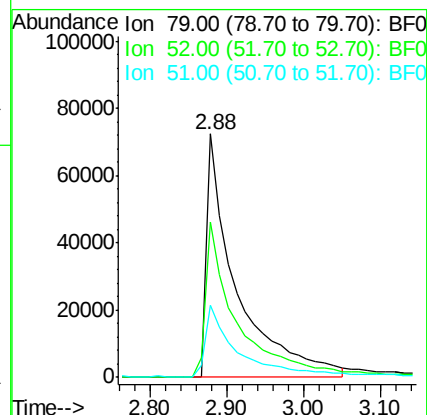
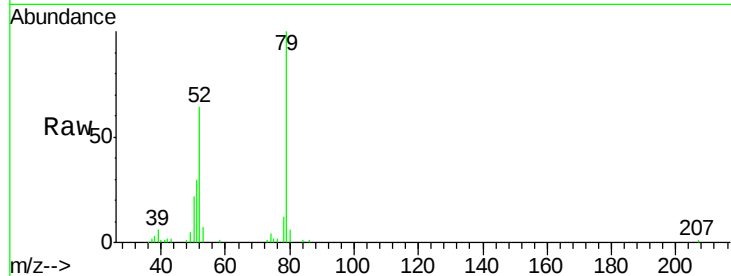




#3  
 Pyridine  
 Concen: 32.70 ng  
 RT: 2.88 min Scan# 113  
 Delta R.T. 0.08 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

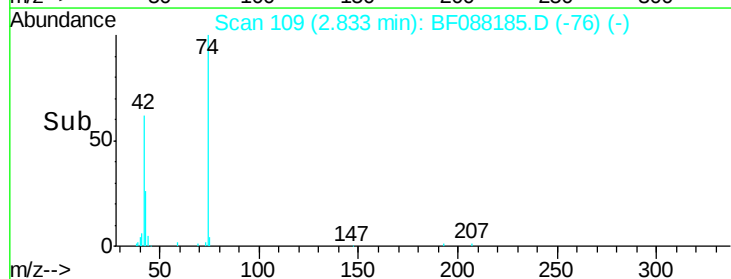
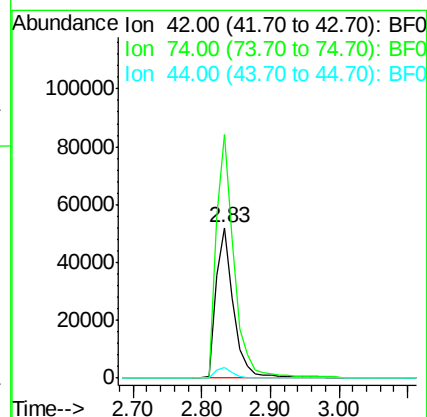
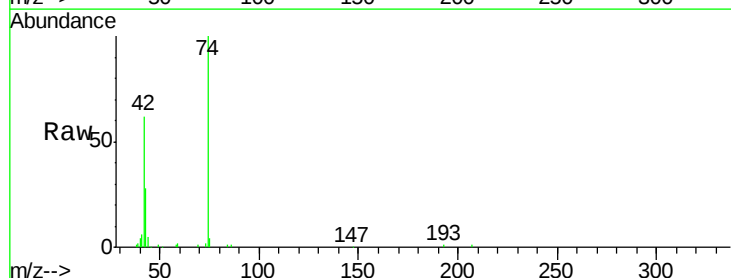
Instrument :  
 BNA\_F  
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 PB91264BS

Tgt Ion: 79 Resp: 193886  
 Ion Ratio Lower Upper  
 79 100  
 52 63.5 56.3 84.5  
 51 29.6 27.4 41.2



#4  
 n-Nitrosodimethylamine  
 Concen: 37.43 ng  
 RT: 2.83 min Scan# 109  
 Delta R.T. 0.08 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion: 42 Resp: 93985  
 Ion Ratio Lower Upper  
 42 100  
 74 161.8 108.6 163.0  
 44 7.3 5.5 8.3





#5

2-Fluorophenol

Concen: 111.57 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

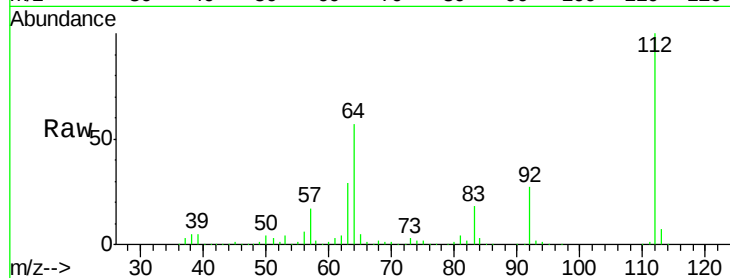
Tgt Ion: 112 Resp: 576528

Ion Ratio Lower Upper

112 100

64 57.1 42.2 63.2

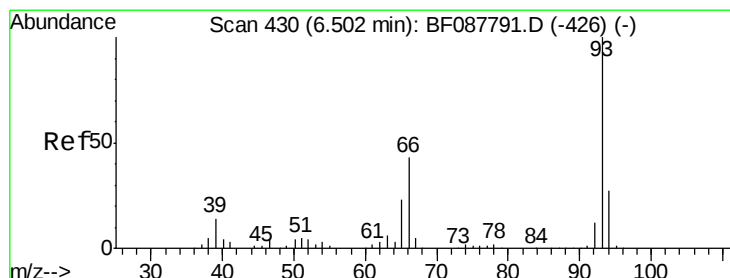
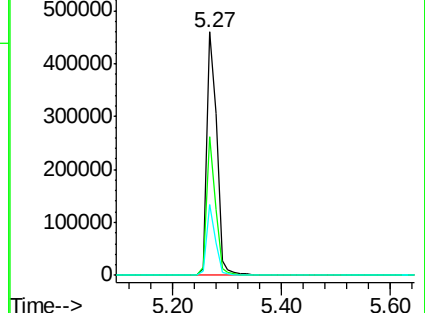
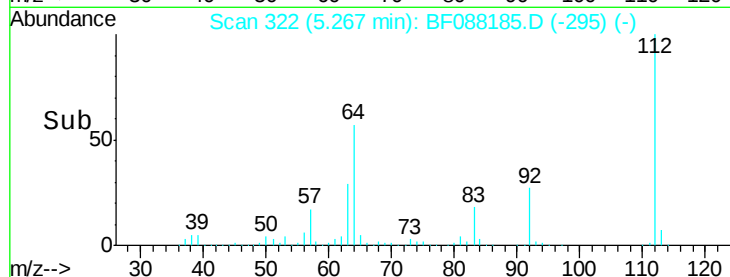
63 29.3 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.37 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

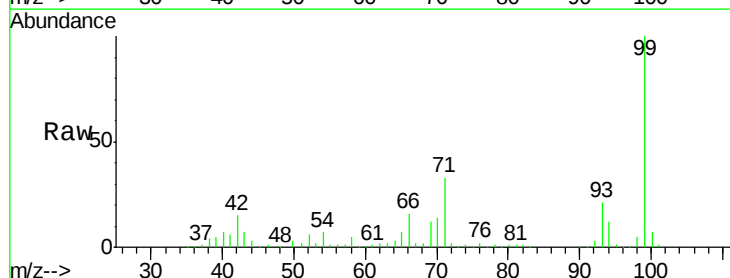
Tgt Ion: 93 Resp: 163748

Ion Ratio Lower Upper

93 100

66 76.8 29.8 44.8#

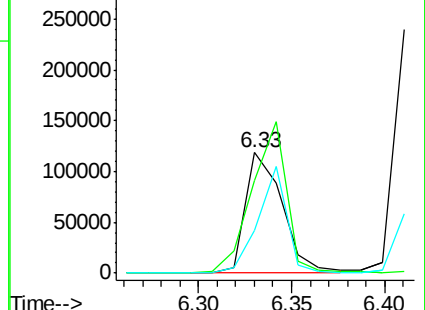
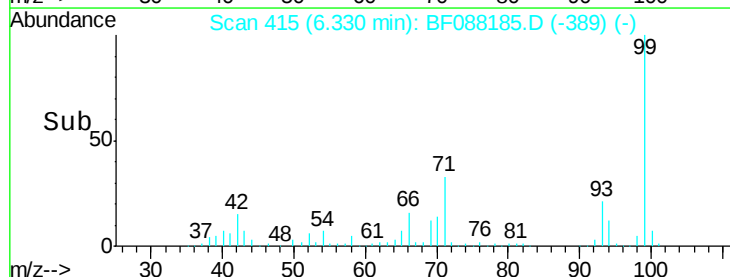
65 35.7 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 113.71 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

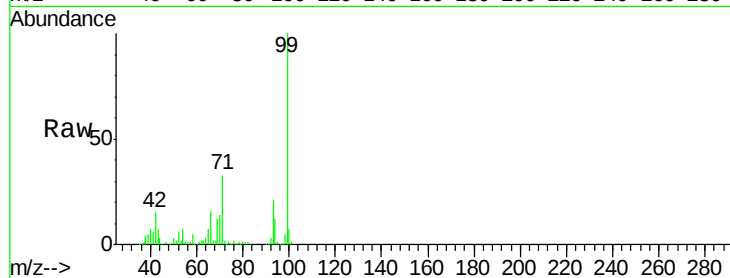
Tgt Ion: 99 Resp: 712122

Ion Ratio Lower Upper

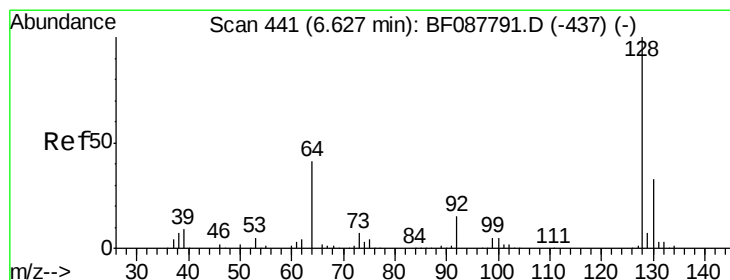
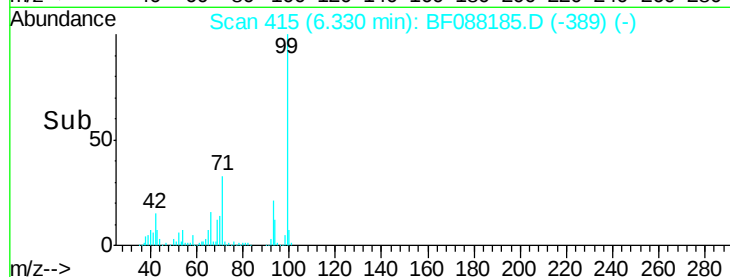
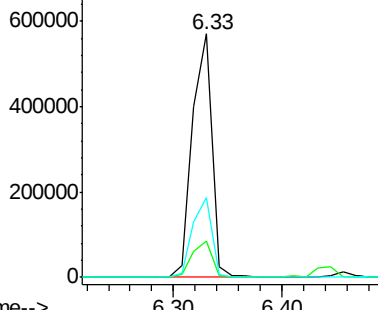
99 100

42 14.7 12.2 18.2

71 33.0 23.4 35.0



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



#8

2-Chlorophenol

Concen: 42.28 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

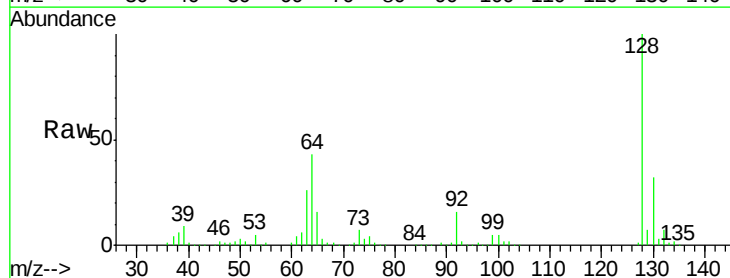
Tgt Ion: 128 Resp: 258578

Ion Ratio Lower Upper

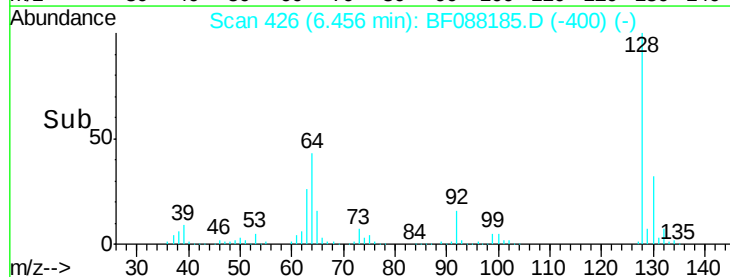
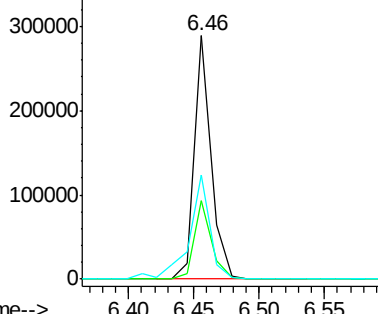
128 100

130 32.0 12.0 52.0

64 42.7 30.8 70.8



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





#10

Phenol

Concen: 49.79 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF088185.D

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PB91264BS

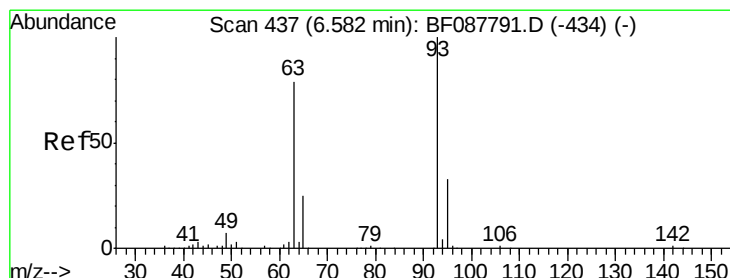
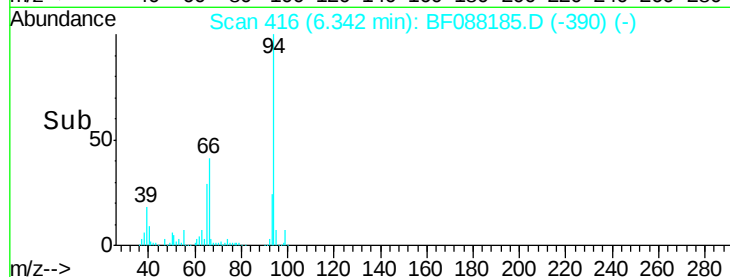
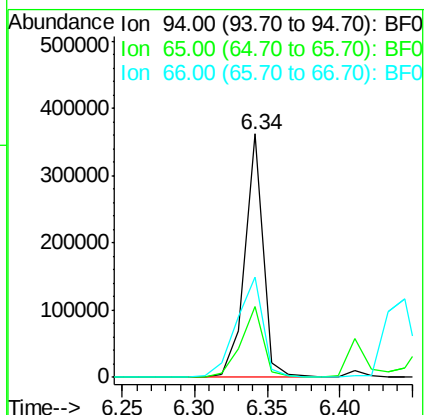
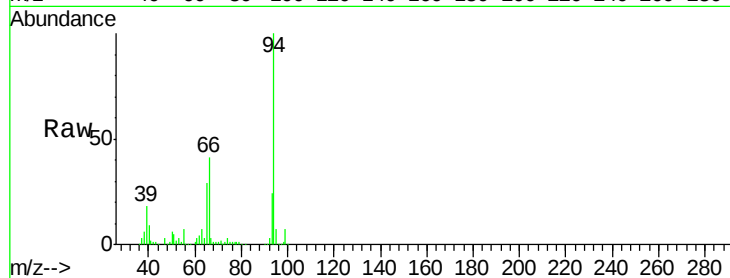
Tgt Ion: 94 Resp: 320230

Ion Ratio Lower Upper

94 100

65 29.0 5.9 45.9

66 41.0 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 40.22 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

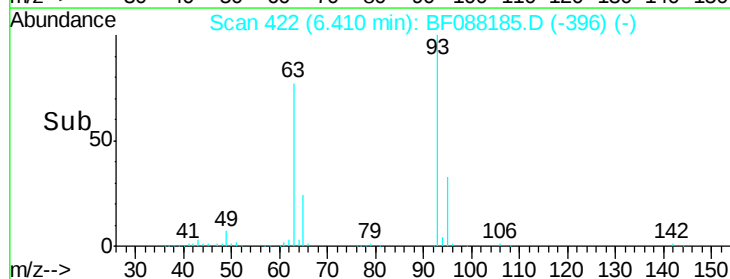
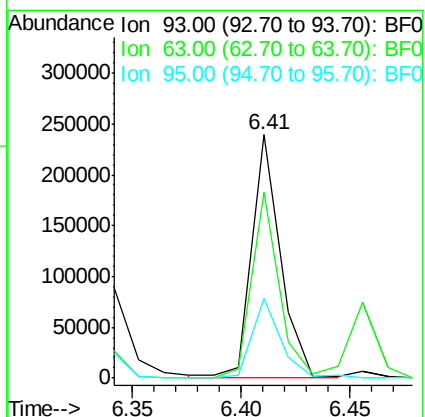
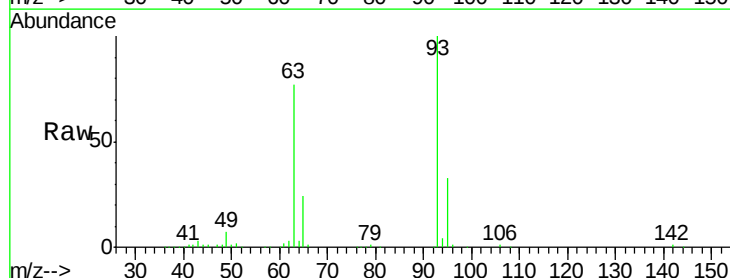
Tgt Ion: 93 Resp: 220861

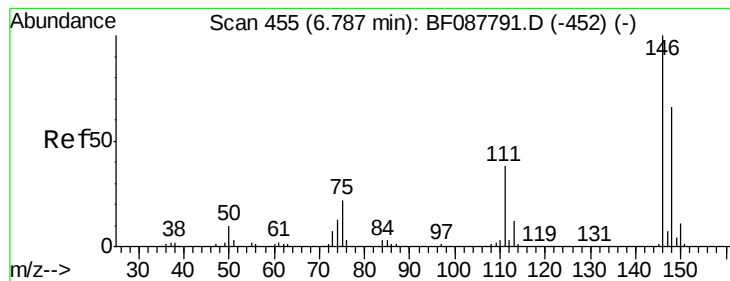
Ion Ratio Lower Upper

93 100

63 76.6 67.6 107.6

95 32.8 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 39.97 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

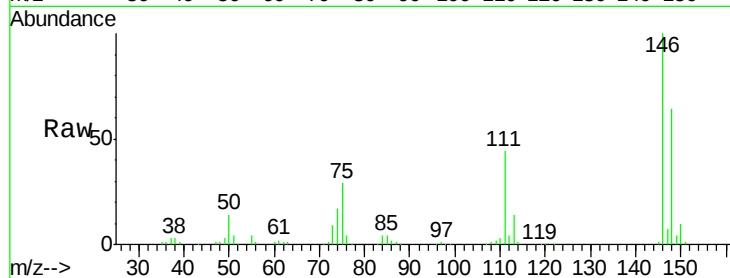
Tgt Ion:146 Resp: 262308

Ion Ratio Lower Upper

146 100

148 63.6 50.9 76.3

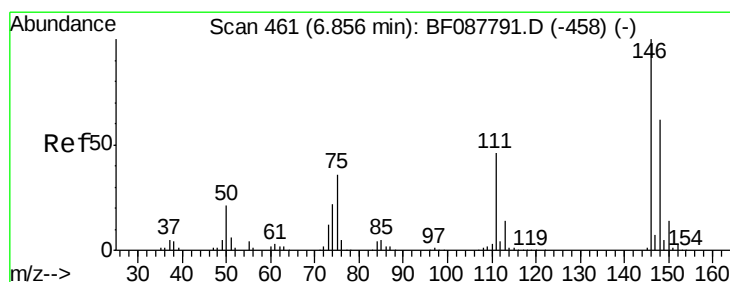
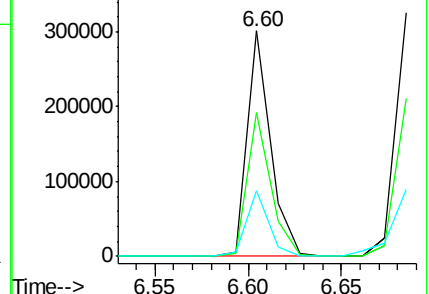
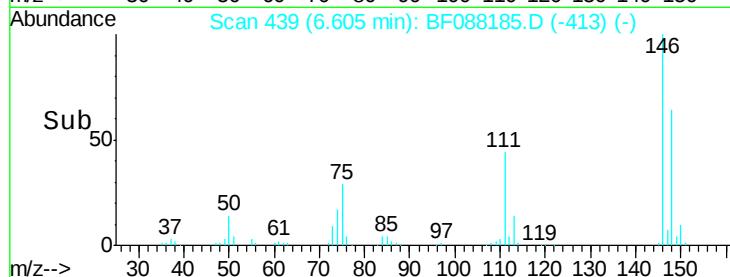
75 29.1 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 41.67 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

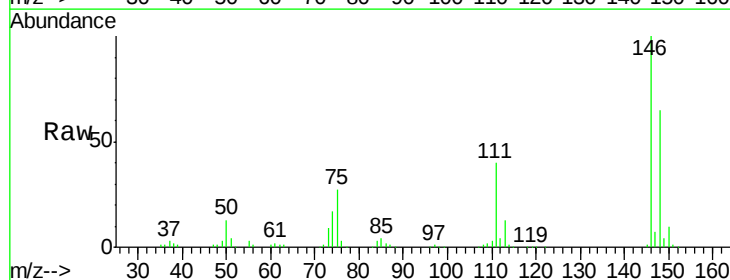
Tgt Ion:146 Resp: 275465

Ion Ratio Lower Upper

146 100

148 64.7 52.0 78.0

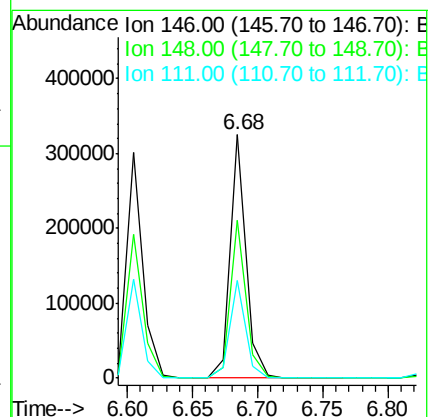
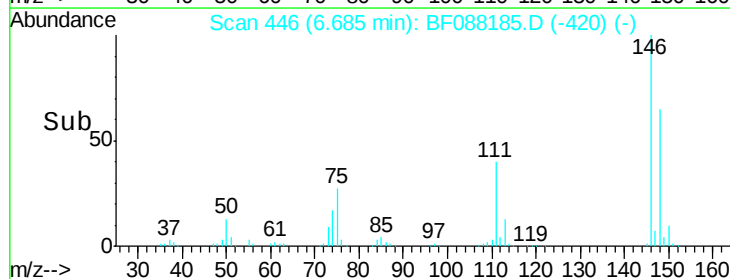
111 40.1 33.8 50.8

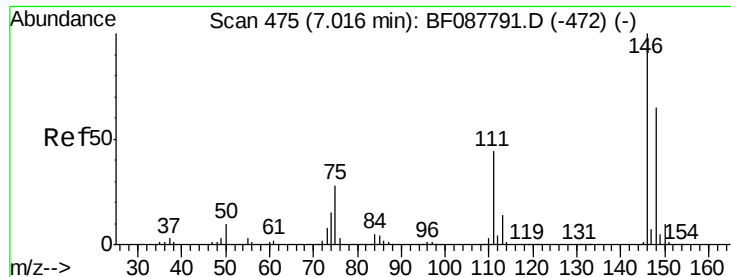


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 38.71 ng m

RT: 6.83 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

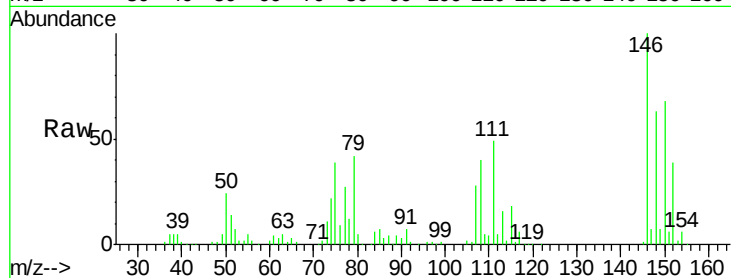
Tgt Ion:146 Resp: 232744

Ion Ratio Lower Upper

146 100

148 62.8 52.3 78.5

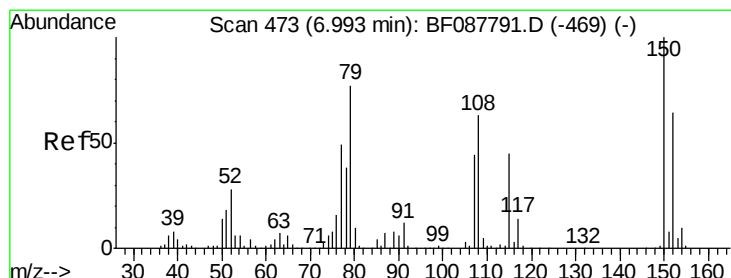
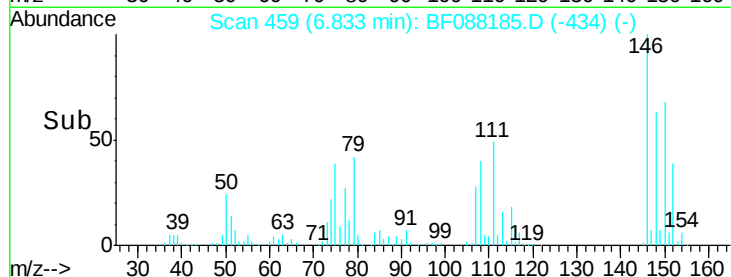
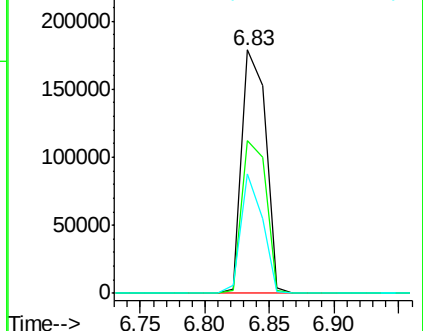
111 49.0 28.7 43.1#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 33.89 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

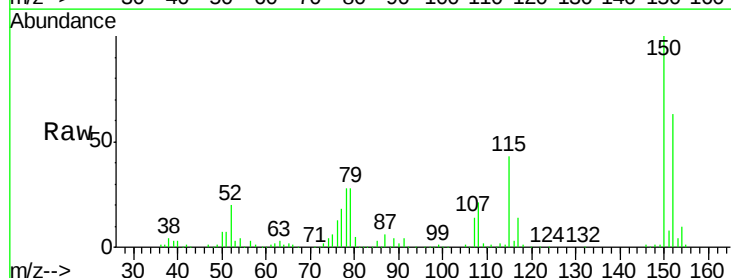
Tgt Ion: 79 Resp: 166030

Ion Ratio Lower Upper

79 100

108 75.0 65.0 97.6

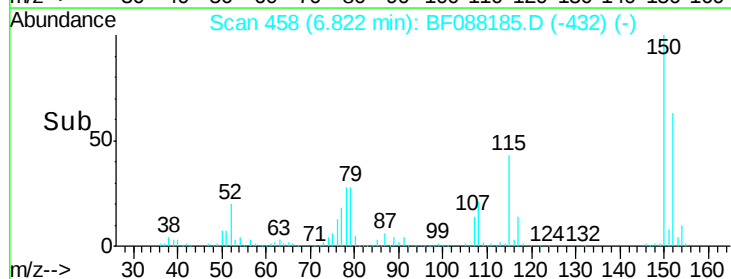
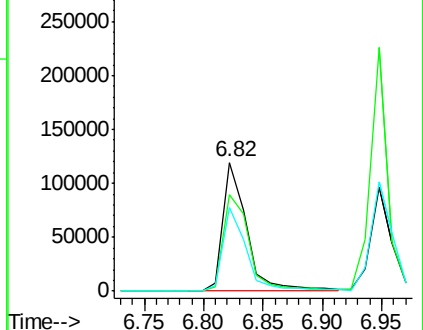
77 64.6 50.3 75.5

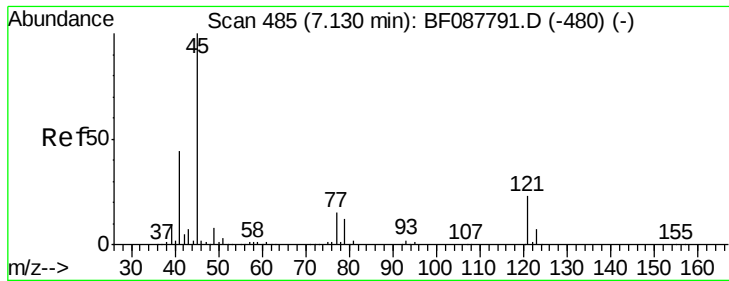


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

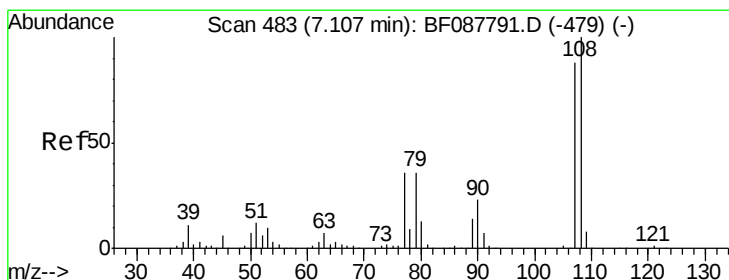
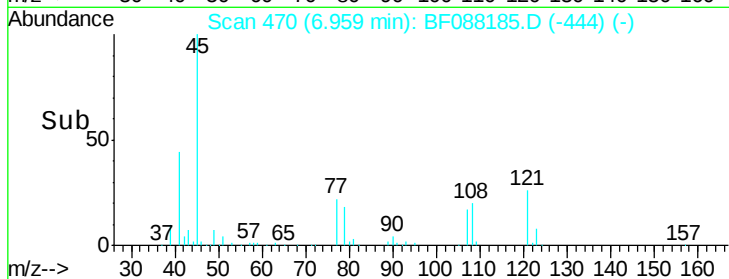
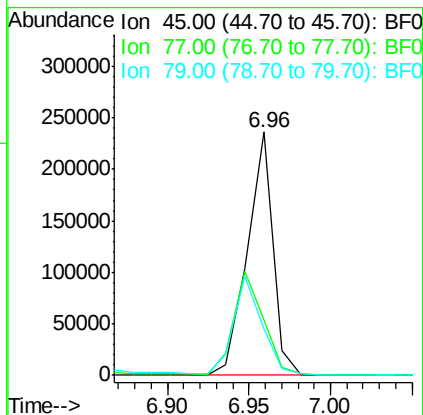
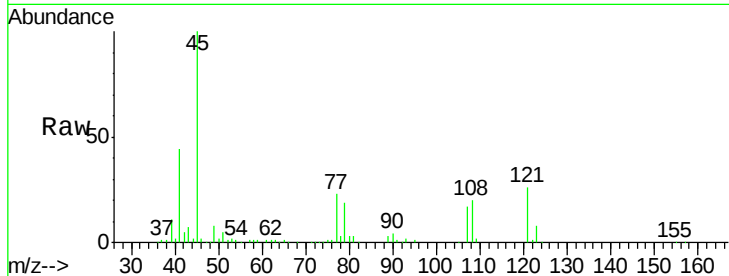




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 34.67 ng  
RT: 6.96 min Scan# 470  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

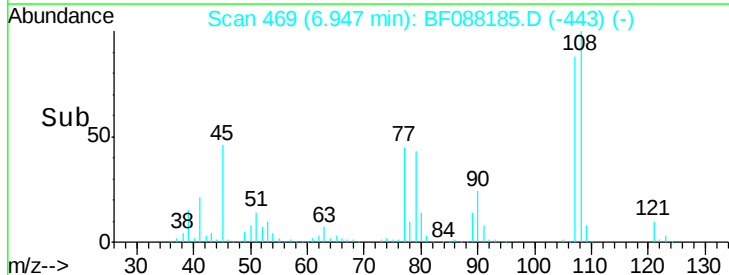
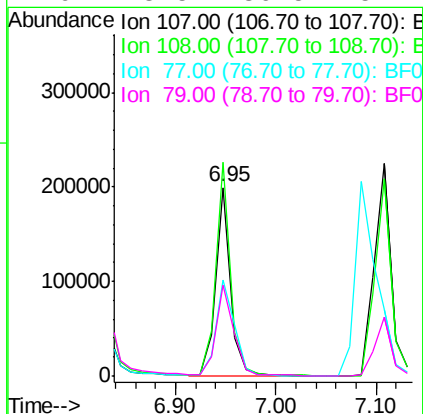
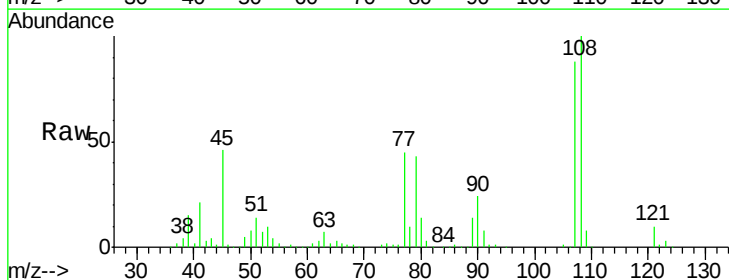
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

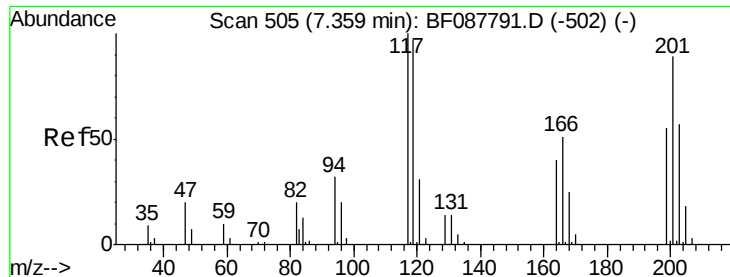
Tgt Ion: 45 Resp: 257196  
Ion Ratio Lower Upper  
45 100  
77 22.7 0.0 32.5  
79 18.9 0.0 29.5



#17  
2-Methylphenol  
Concen: 40.77 ng  
RT: 6.95 min Scan# 469  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 107 Resp: 202203  
Ion Ratio Lower Upper  
107 100  
108 113.4 90.9 136.3  
77 50.8 36.6 55.0  
79 48.5 36.5 54.7

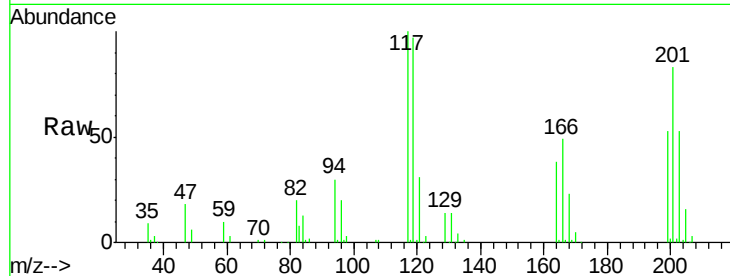




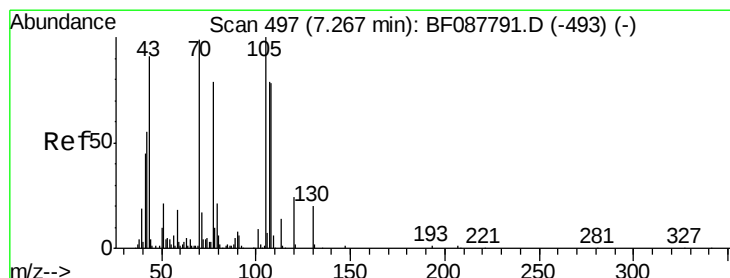
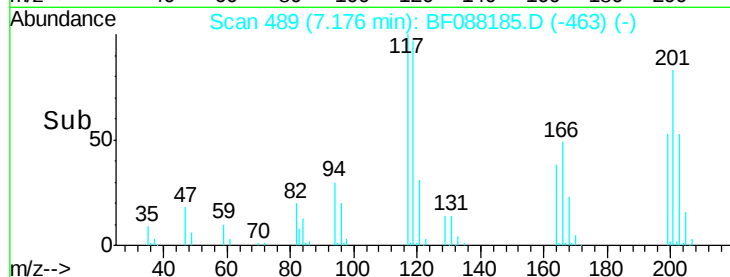
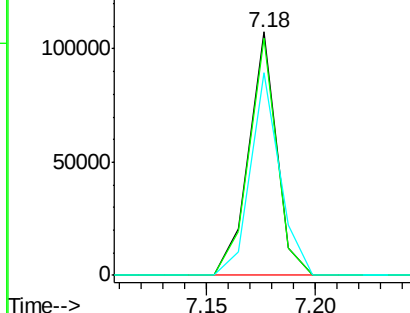
#18  
Hexachloroethane  
Concen: 41.04 ng  
RT: 7.18 min Scan# 489  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Instrument :  
BNA\_F  
ClientSampled :  
PB91264BS

Tgt Ion: 117 Resp: 96269  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.4 116.2  
201 83.2 80.4 120.6

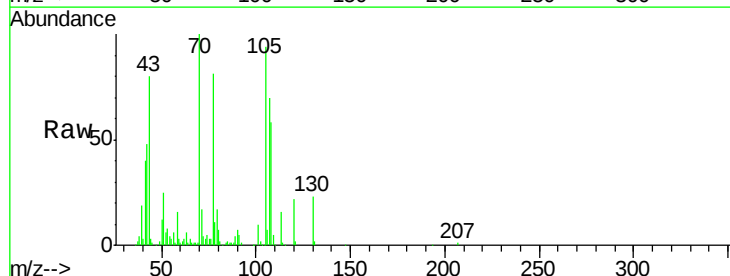


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

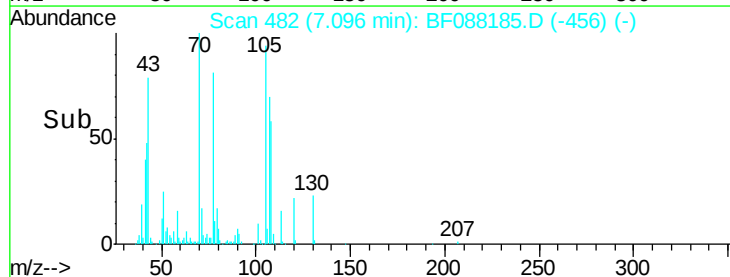
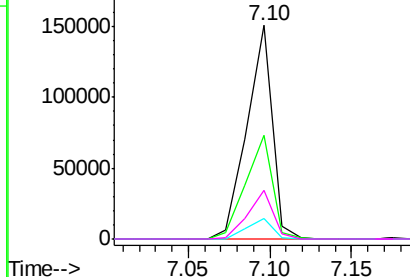


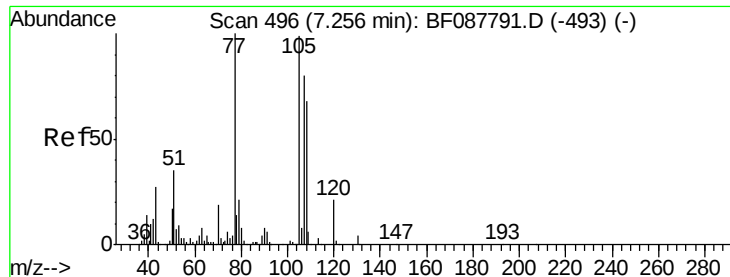
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.57 ng  
RT: 7.10 min Scan# 482  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 70 Resp: 162537  
Ion Ratio Lower Upper  
70 100  
42 48.5 49.6 74.4#  
101 9.8 7.1 10.7  
130 22.9 15.4 23.2



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 45.72 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

Tgt Ion:107 Resp: 264578

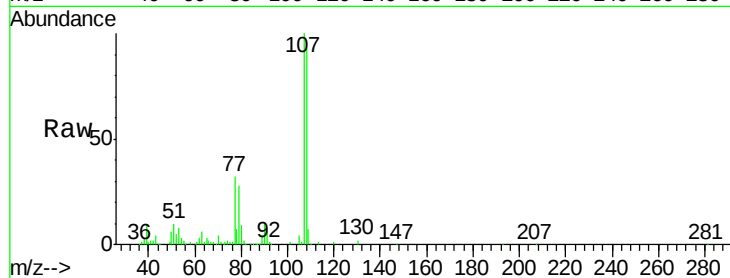
Ion Ratio Lower Upper

107 100

108 92.9 67.8 107.8

77 31.7 59.3 99.3#

79 27.6 7.0 47.0

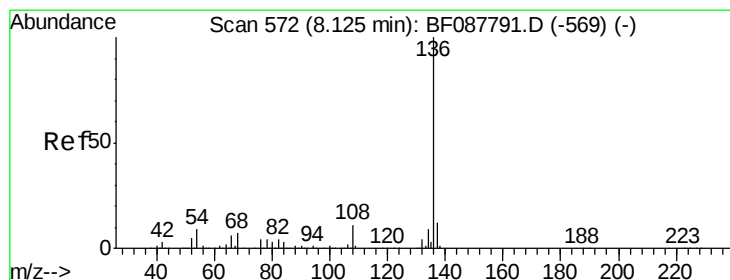
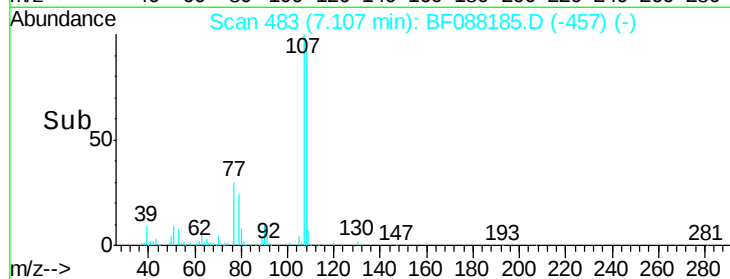
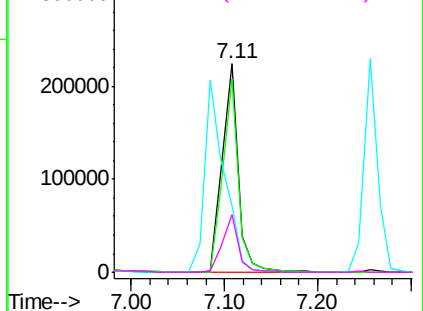


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Tgt Ion:136 Resp: 349802

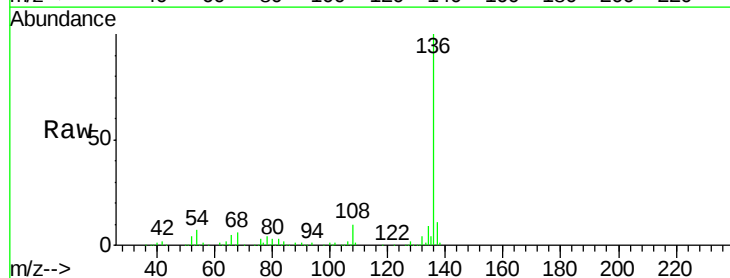
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.2 6.6 10.0

68 6.1 5.1 7.7

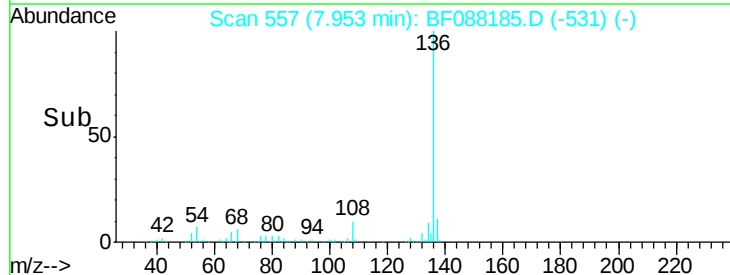
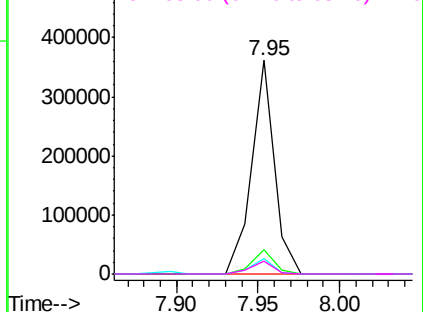


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 41.03 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

Tgt Ion: 105 Resp: 320757

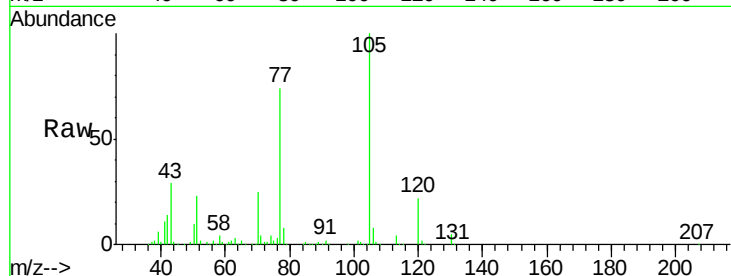
Ion Ratio Lower Upper

105 100

71 4.5 5.3 7.9#

51 23.0 18.2 27.4

120 21.7 18.0 27.0

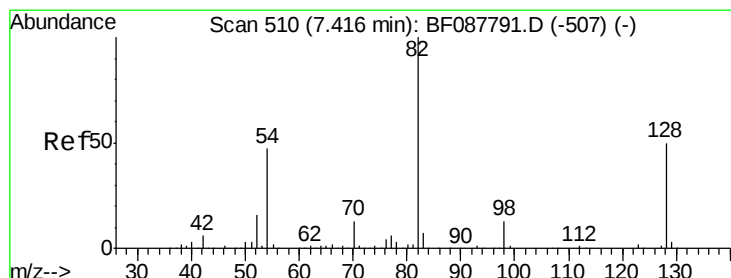
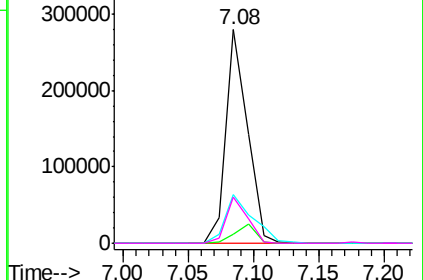
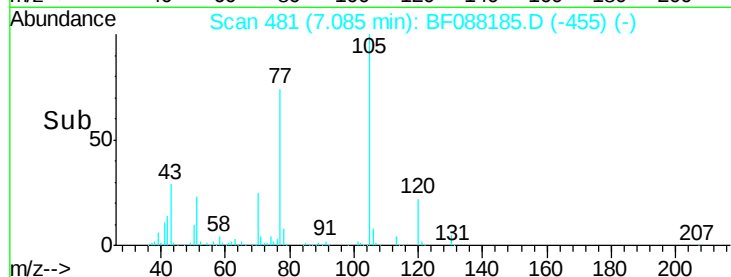


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 79.94 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

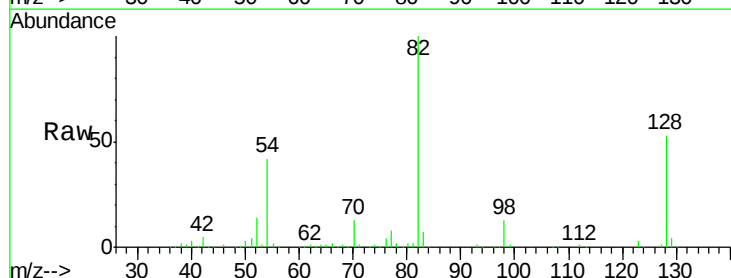
Tgt Ion: 82 Resp: 478864

Ion Ratio Lower Upper

82 100

128 52.6 35.9 53.9

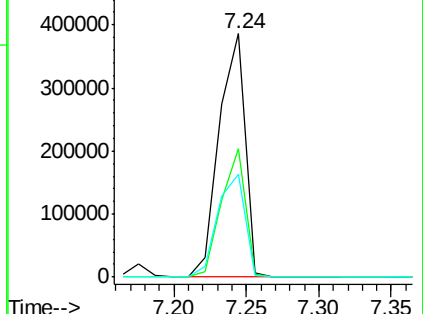
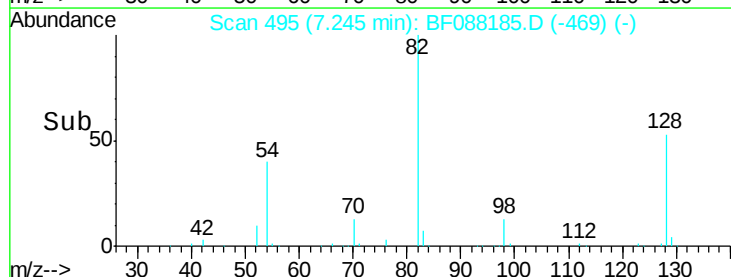
54 42.4 40.9 61.3

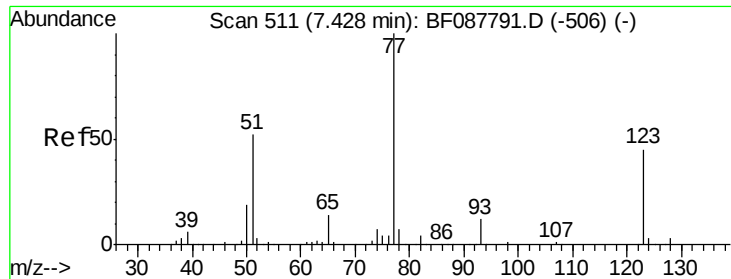


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

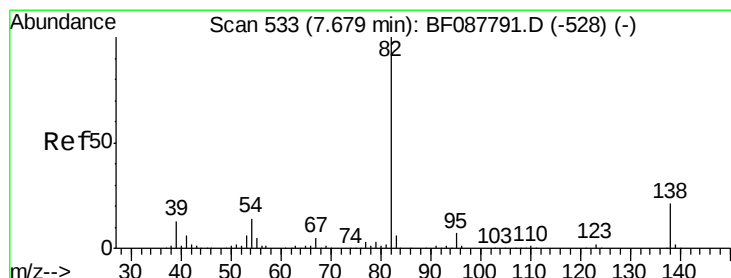
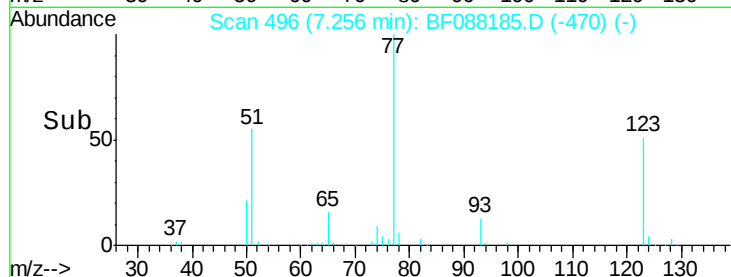
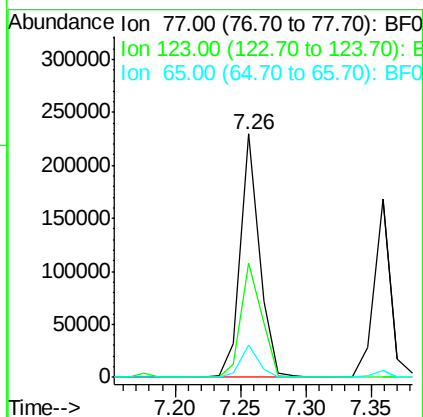
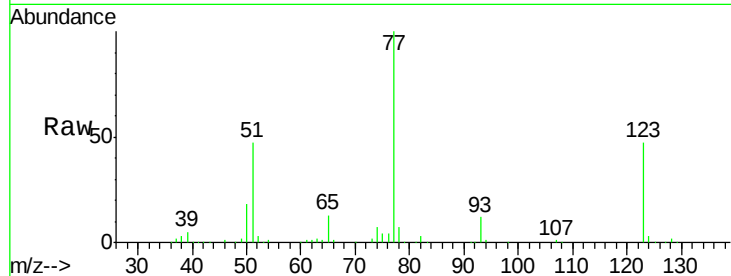




#24  
 Nitrobenzene  
 Concen: 40.29 ng  
 RT: 7.26 min Scan# 496  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

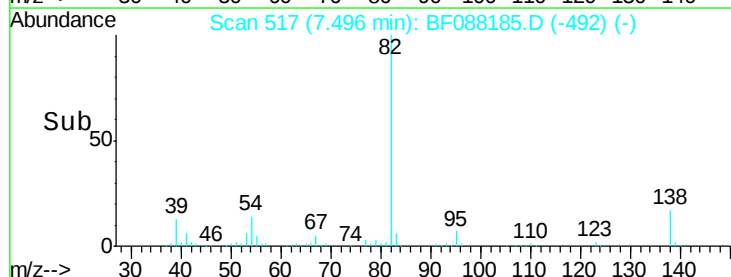
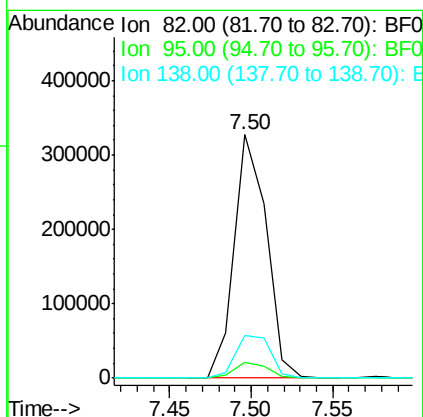
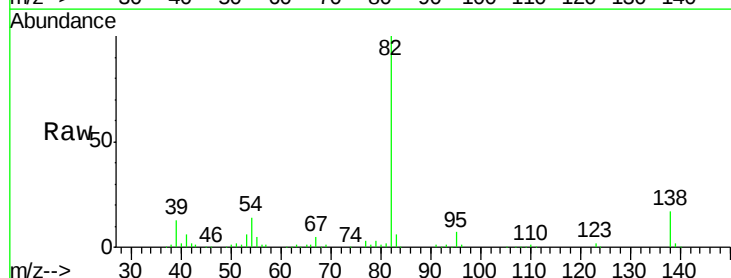
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

Tgt Ion: 77 Resp: 233785  
 Ion Ratio Lower Upper  
 77 100  
 123 47.2 45.0 67.4  
 65 13.1 10.2 15.2



#25  
 Isophorone  
 Concen: 40.31 ng  
 RT: 7.50 min Scan# 517  
 Delta R.T. -0.01 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion: 82 Resp: 447241  
 Ion Ratio Lower Upper  
 82 100  
 95 6.6 5.4 8.2  
 138 17.5 14.6 21.8

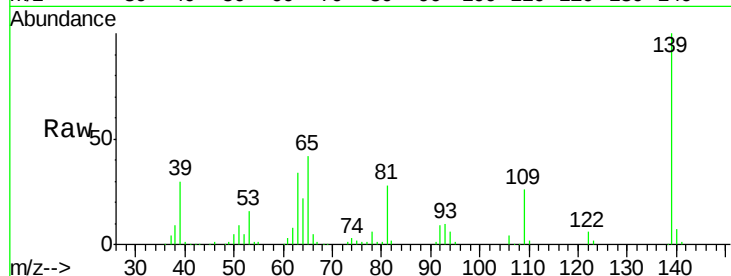




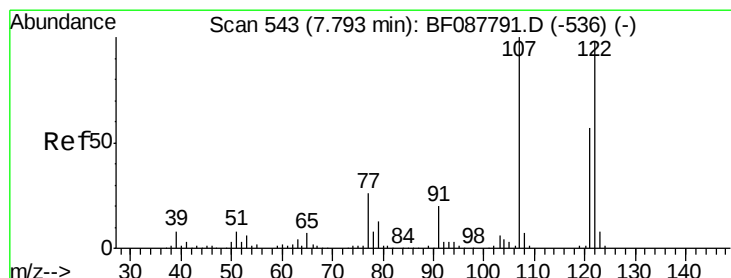
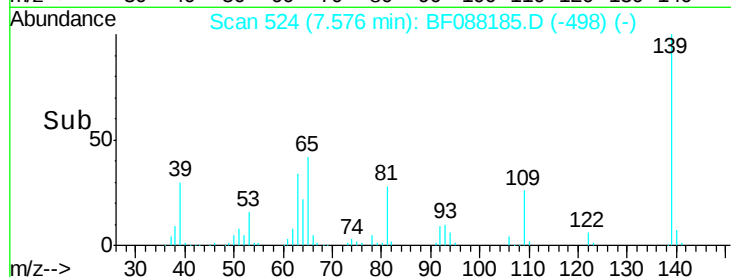
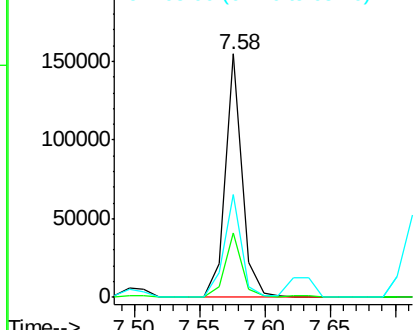
#26  
2-Nitrophenol  
Concen: 44.78 ng  
RT: 7.58 min Scan# 524  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

Tgt Ion:139 Resp: 139182  
Ion Ratio Lower Upper  
139 100  
109 26.5 23.0 34.4  
65 42.3 45.8 68.8#

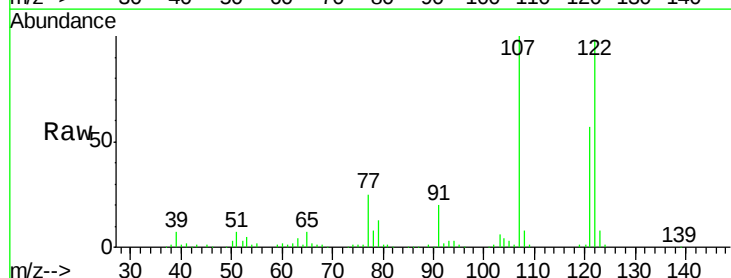


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E

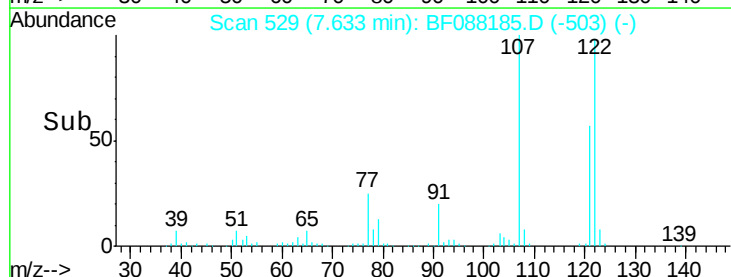
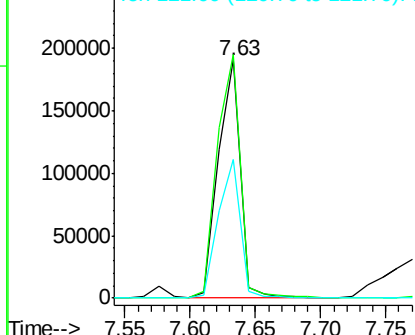


#27  
2,4-Dimethylphenol  
Concen: 39.63 ng  
RT: 7.63 min Scan# 529  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:122 Resp: 226780  
Ion Ratio Lower Upper  
122 100  
107 102.1 82.4 123.6  
121 58.3 46.3 69.5



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

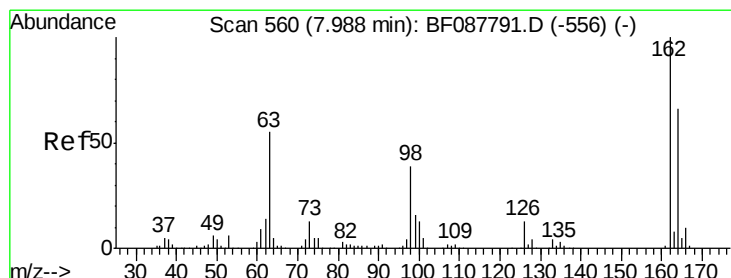
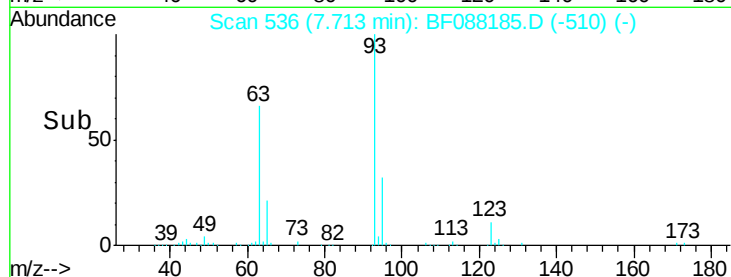
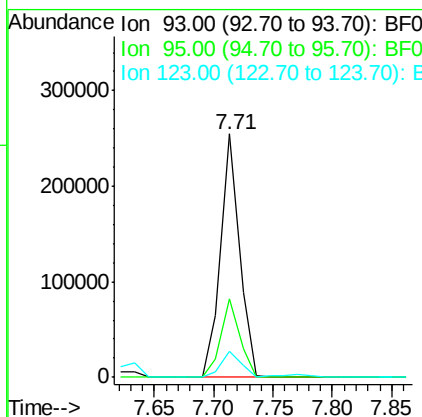
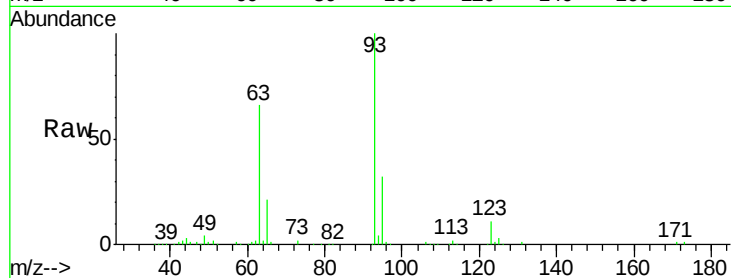




#28  
bis(2-Chloroethoxy)methane  
Concen: 40.98 ng  
RT: 7.71 min Scan# 536  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

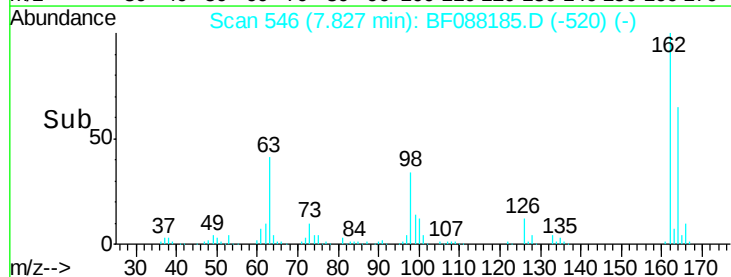
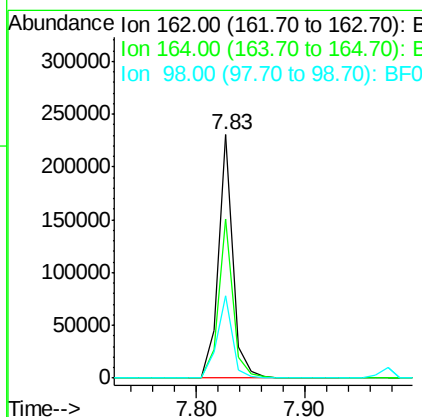
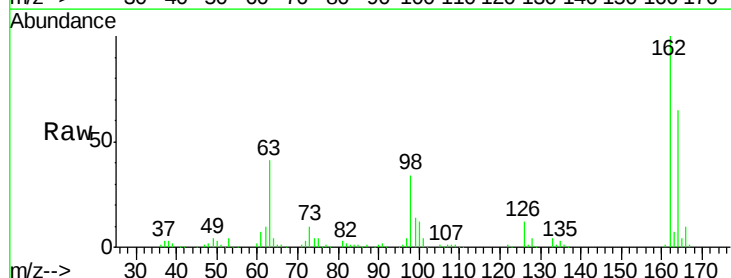
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

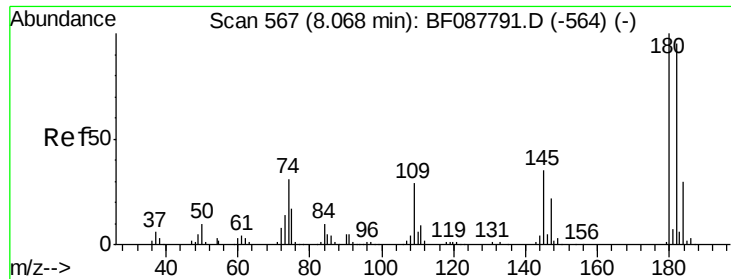
Tgt Ion: 93 Resp: 282017  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.5 39.7  
123 10.6 11.6 17.4#



#29  
2,4-Dichlorophenol  
Concen: 45.21 ng  
RT: 7.83 min Scan# 546  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 162 Resp: 216020  
Ion Ratio Lower Upper  
162 100  
164 65.1 43.8 83.8  
98 33.7 21.3 61.3

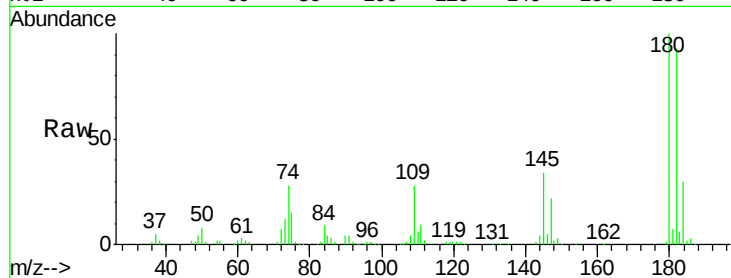




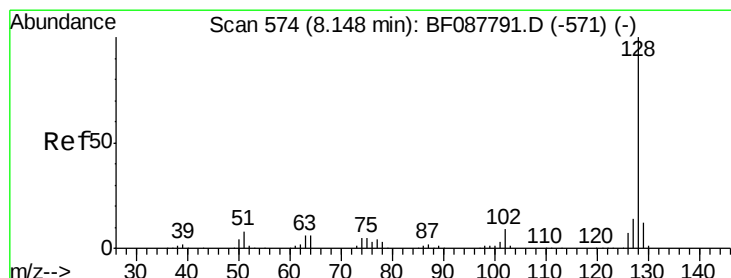
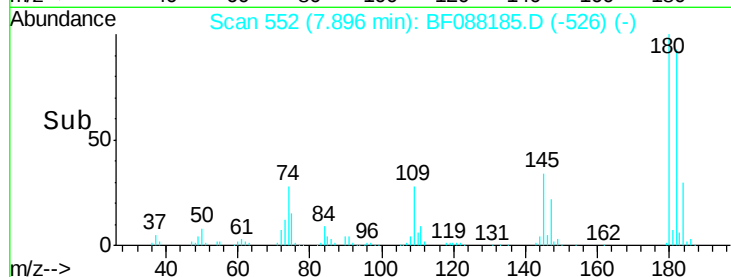
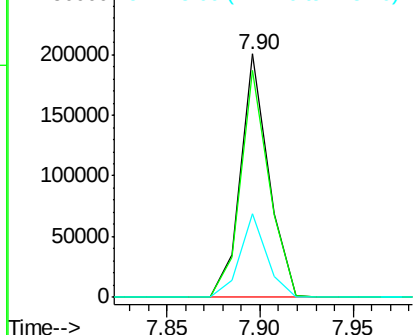
#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.25 ng  
 RT: 7.90 min Scan# 552  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91264BS

Tgt Ion:180 Resp: 209401  
 Ion Ratio Lower Upper  
 180 100  
 182 93.2 76.0 114.0  
 145 34.5 26.5 39.7

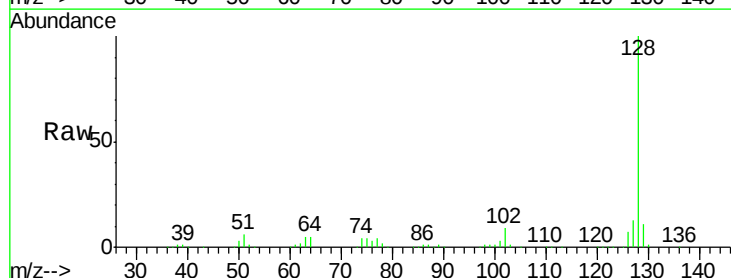


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

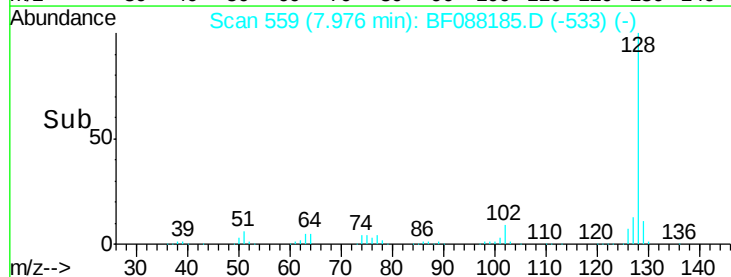
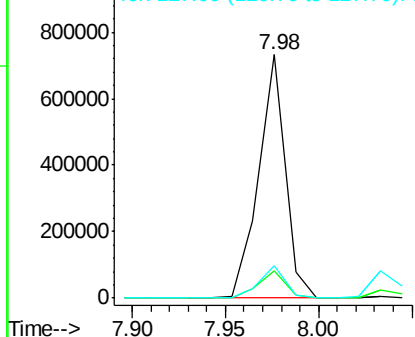


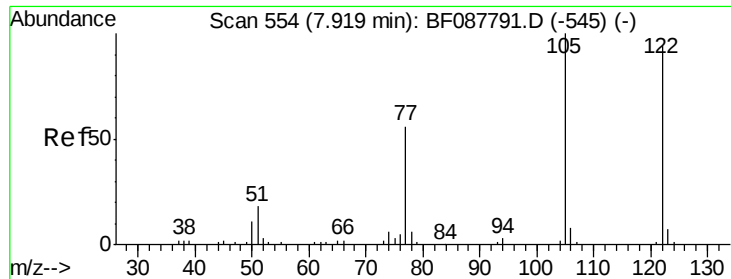
#31  
 Naphthalene  
 Concen: 41.80 ng  
 RT: 7.98 min Scan# 559  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion:128 Resp: 723586  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 9.4 14.2  
 127 13.2 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: 25.26 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

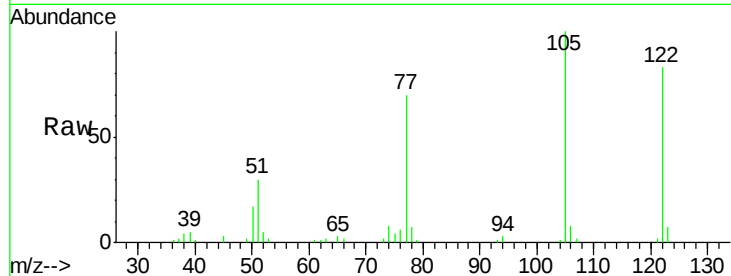
Tgt Ion:122 Resp: 79603

Ion Ratio Lower Upper

122 100

105 119.8 101.6 141.6

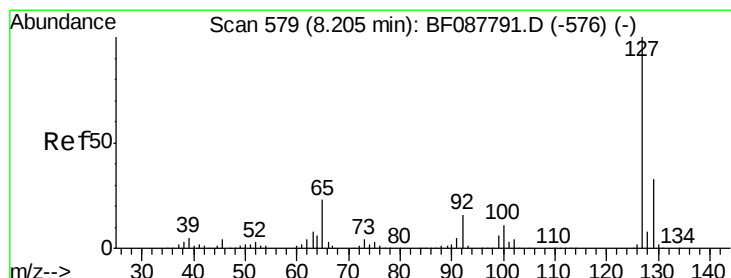
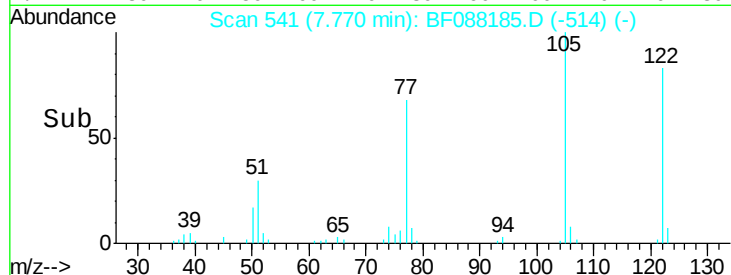
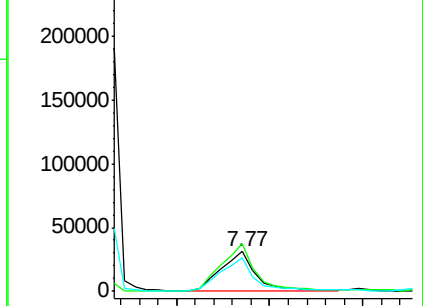
77 83.6 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 13.70 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Tgt Ion:127 Resp: 105909

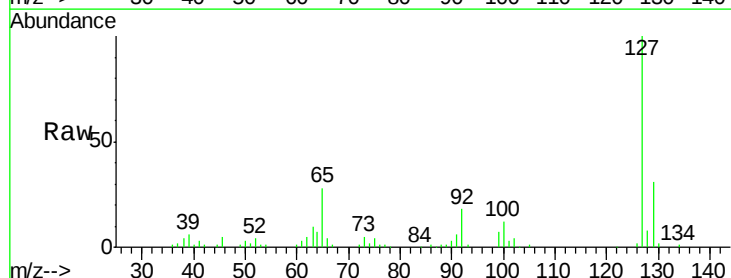
Ion Ratio Lower Upper

127 100

129 30.8 26.3 39.5

65 27.7 24.7 37.1

92 17.9 15.4 23.0

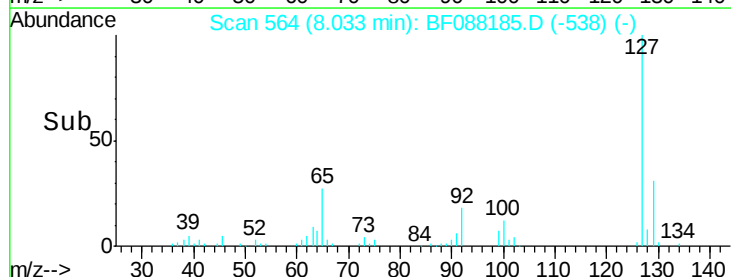
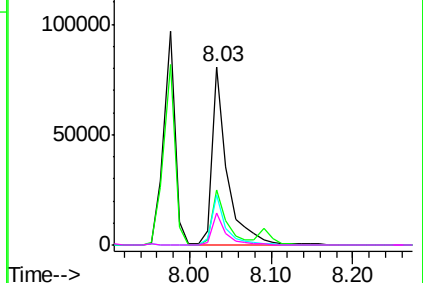


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

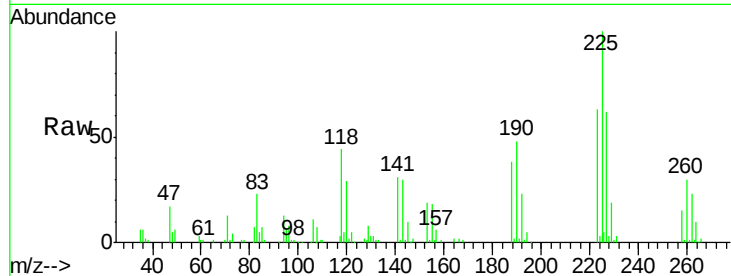




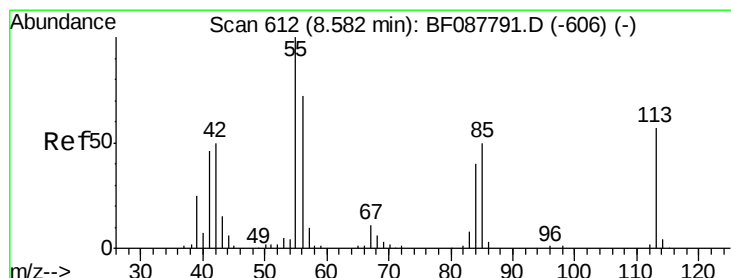
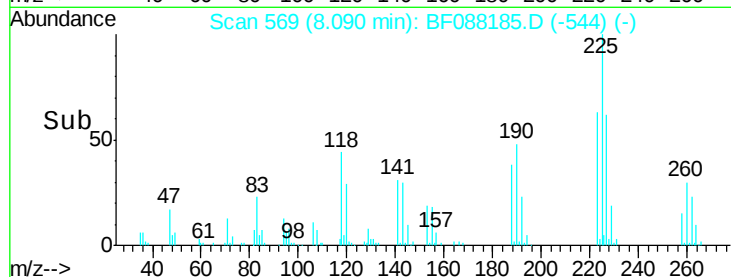
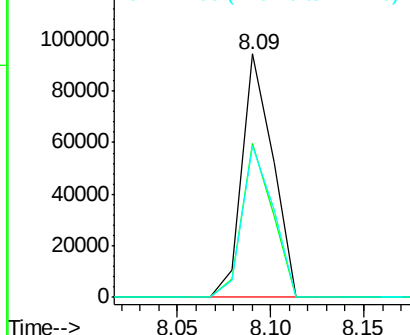
#34  
Hexachlorobutadiene  
Concen: 39.47 ng  
RT: 8.09 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

Tgt Ion: 225 Resp: 108296  
Ion Ratio Lower Upper  
225 100  
223 63.3 50.9 76.3  
227 62.3 51.9 77.9

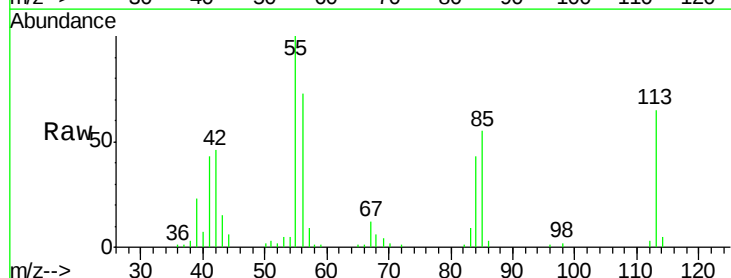


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

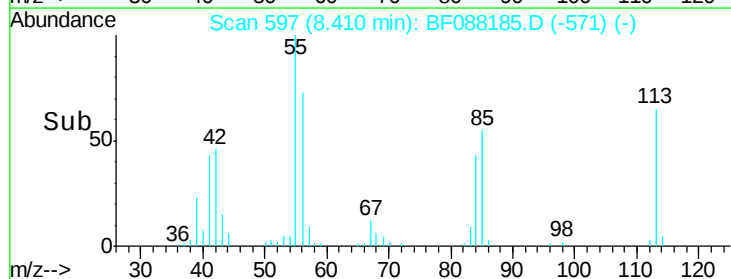
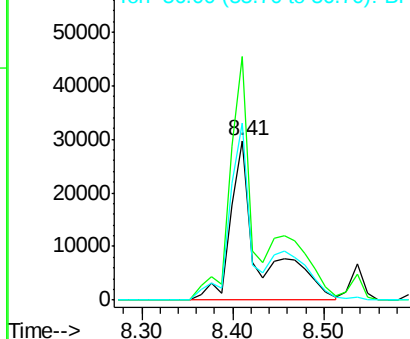


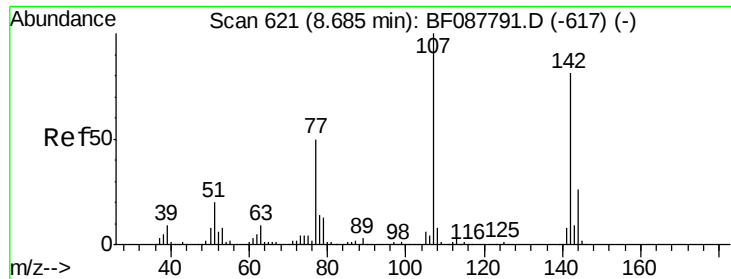
#35  
Caprolactam  
Concen: 42.45 ng m  
RT: 8.41 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 113 Resp: 67185  
Ion Ratio Lower Upper  
113 100  
55 152.7 158.6 198.6#  
56 111.0 110.6 150.6



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

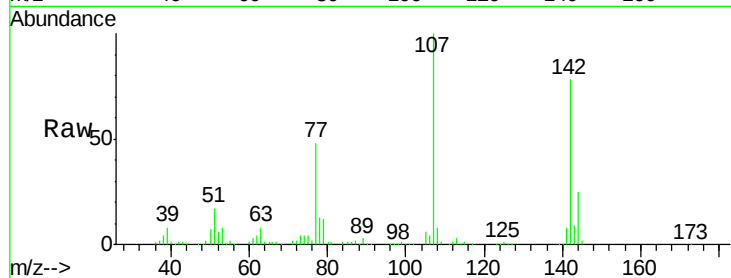




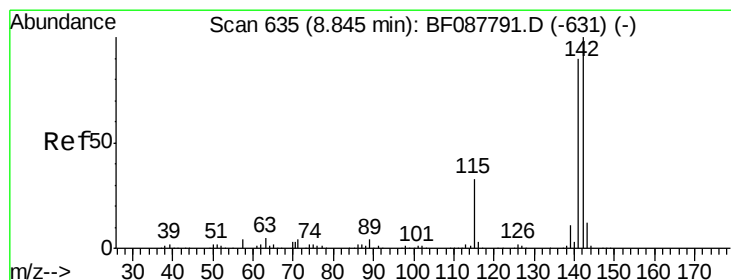
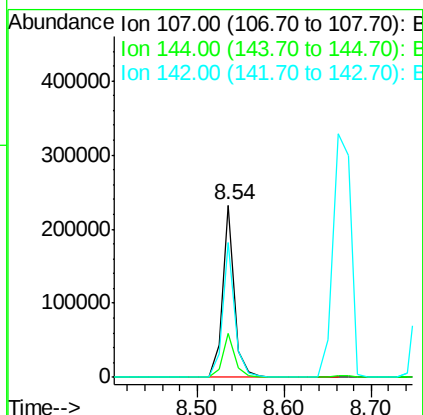
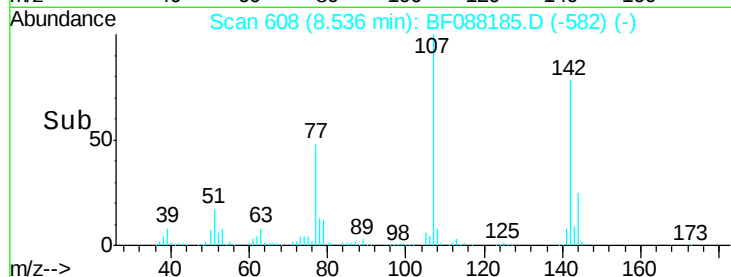
#36  
 4-Chloro-3-methylphenol  
 Concen: 43.79 ng  
 RT: 8.54 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

Tgt Ion:107 Resp: 223771  
 Ion Ratio Lower Upper  
 107 100  
 144 25.4 20.8 31.2  
 142 78.5 63.4 95.2

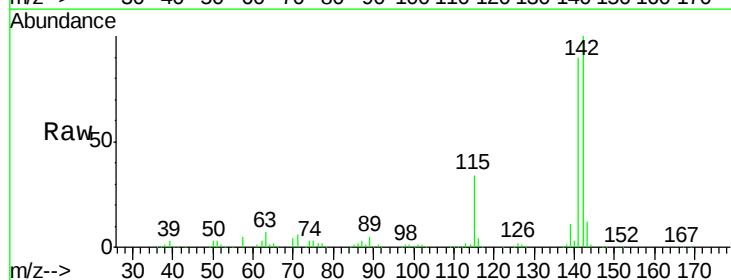


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

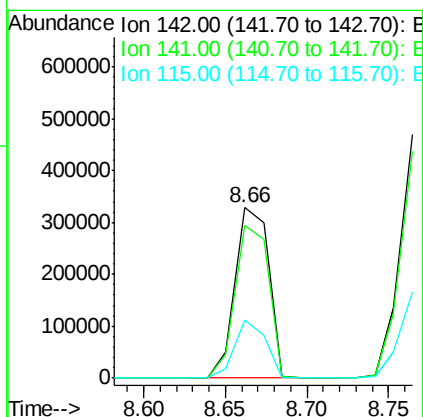
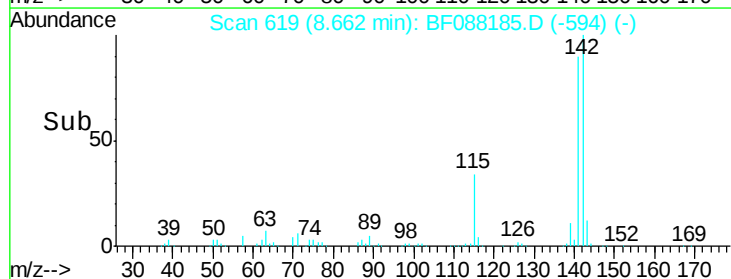


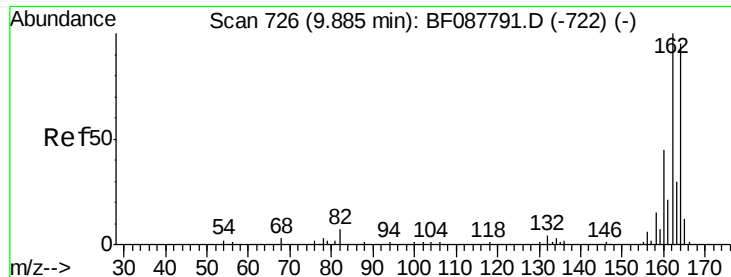
#37  
 2-Methylnaphthalene  
 Concen: 41.20 ng  
 RT: 8.66 min Scan# 619  
 Delta R.T. -0.01 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion:142 Resp: 470057  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 71.0 106.6  
 115 34.4 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

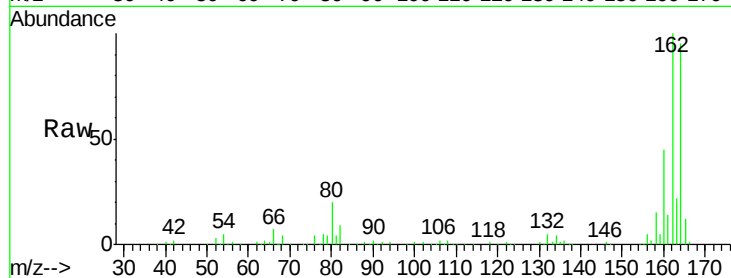
Tgt Ion:164 Resp: 167687

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

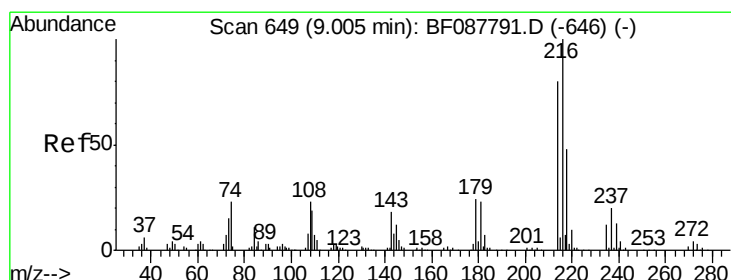
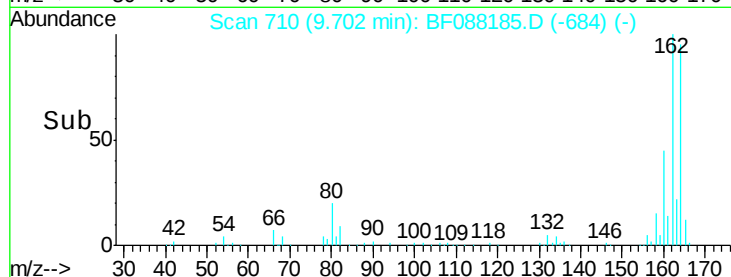
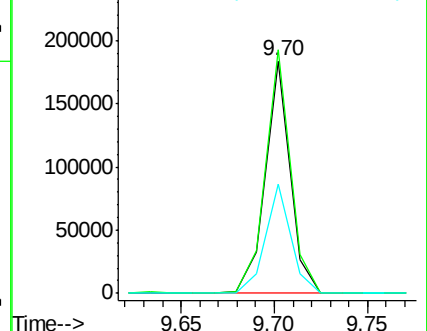
160 47.0 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.09 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Tgt Ion:216 Resp: 193757

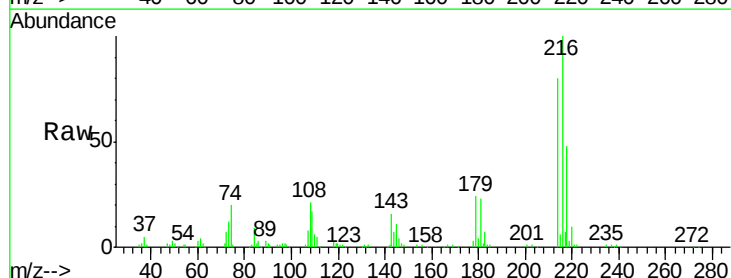
Ion Ratio Lower Upper

216 100

214 79.8 2.9 4.3#

179 22.7 0.0 0.0#

108 21.9 0.5 0.7#

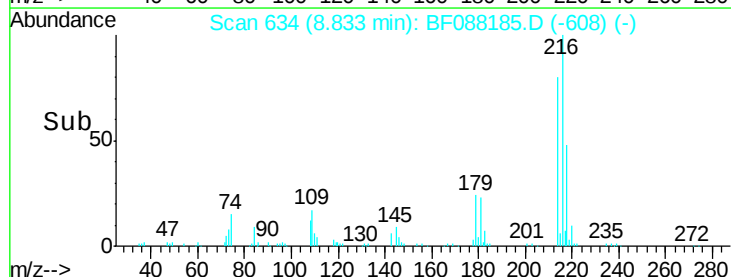
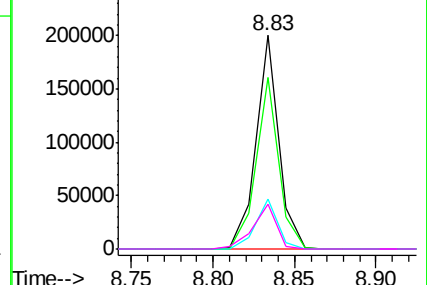


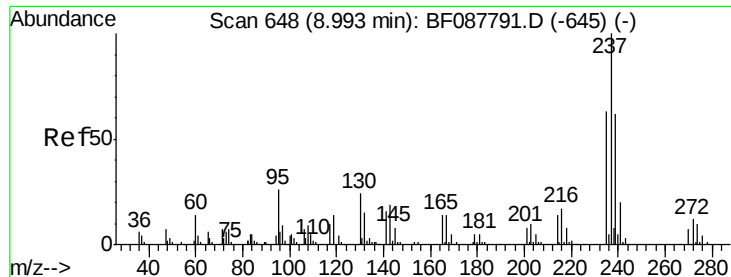
Abundance Ion 216.00 (215.70 to 216.70): E

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

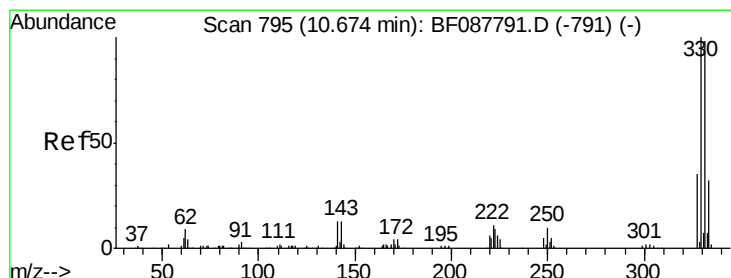
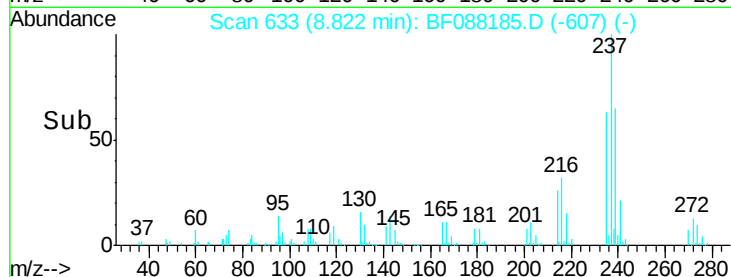
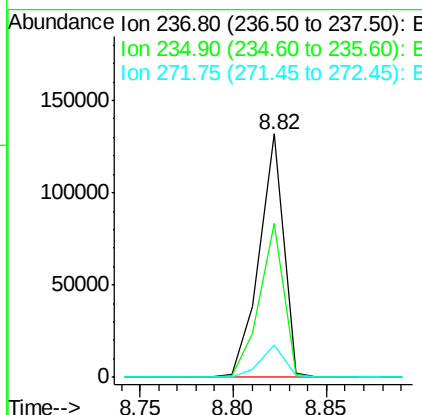
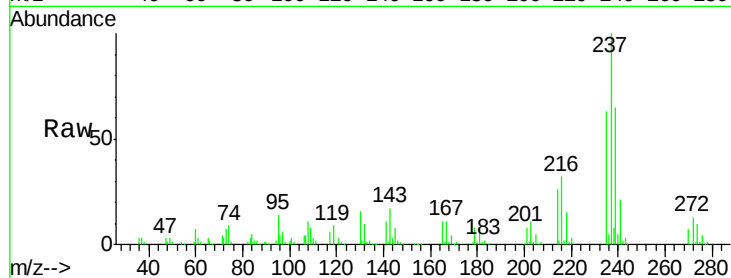




#40  
Hexachlorocyclopentadiene  
Concen: 44.12 ng  
RT: 8.82 min Scan# 633  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

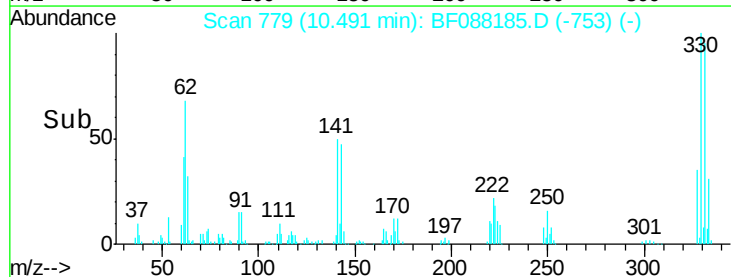
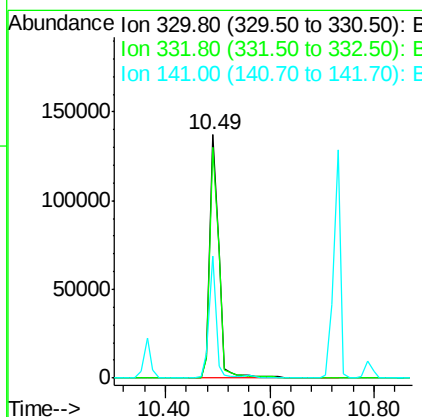
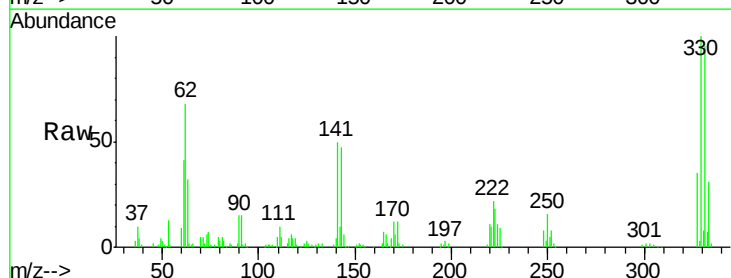
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

Tgt Ion: 237 Resp: 119350  
Ion Ratio Lower Upper  
237 100  
235 63.2 43.4 83.4  
272 13.1 0.0 32.3



#41  
2,4,6-Tribromophenol  
Concen: 93.94 ng  
RT: 10.49 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion: 330 Resp: 166337  
Ion Ratio Lower Upper  
330 100  
332 96.4 0.0 0.0#  
141 38.9 0.0 0.0#

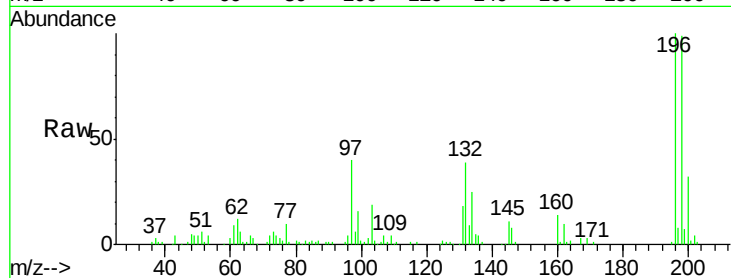




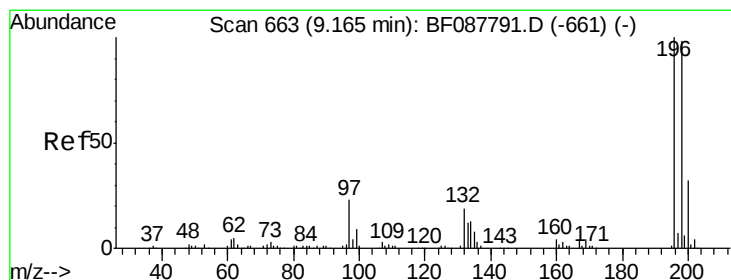
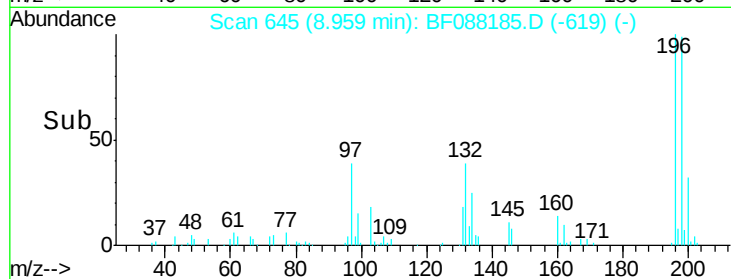
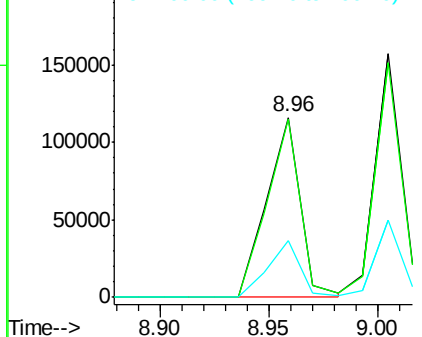
#42  
 2,4,6-Trichlorophenol  
 Concen: 37.50 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

Tgt Ion:196 Resp: 125767  
 Ion Ratio Lower Upper  
 196 100  
 198 99.1 78.0 117.0  
 200 31.6 25.4 38.2



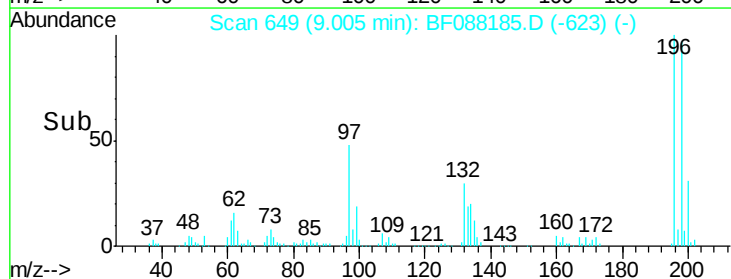
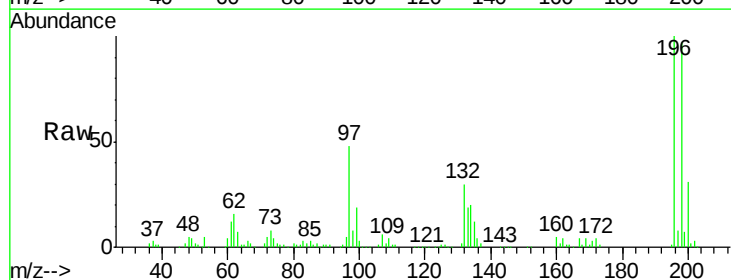
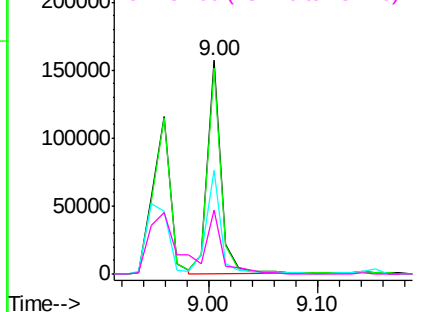
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

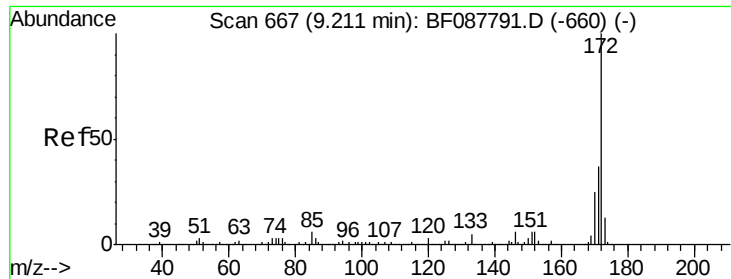


#43  
 2,4,5-Trichlorophenol  
 Concen: 39.83 ng  
 RT: 9.00 min Scan# 649  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion:196 Resp: 138945  
 Ion Ratio Lower Upper  
 196 100  
 198 96.6 77.5 116.3  
 97 48.3 32.0 48.0#  
 132 29.7 20.9 31.3

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): BF0  
 Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 85.86 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

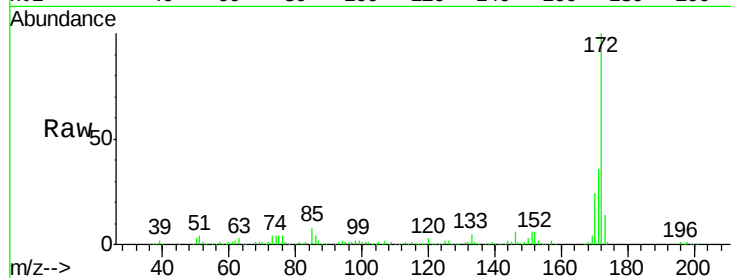
Tgt Ion:172 Resp: 915954

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

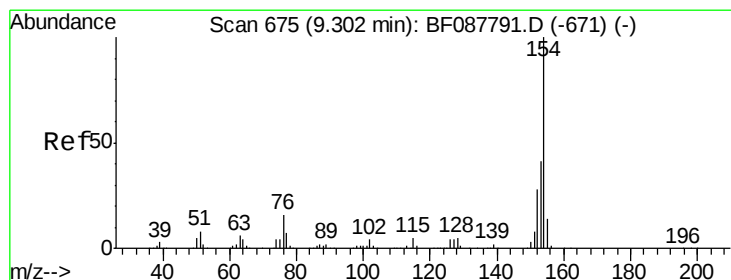
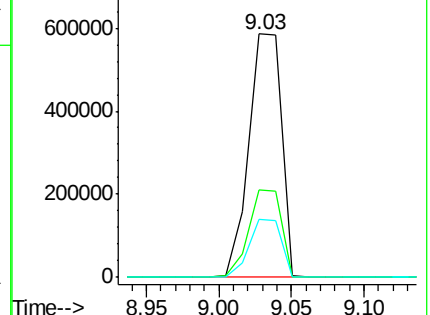
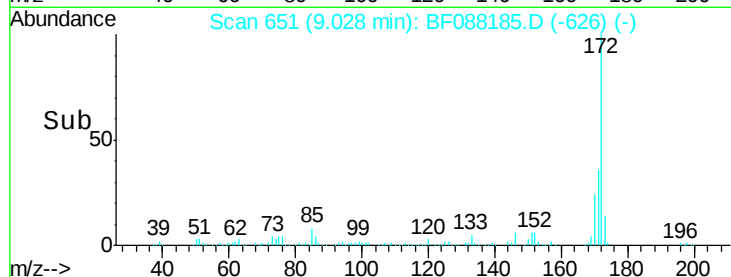
170 23.8 19.2 28.8



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: 44.96 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

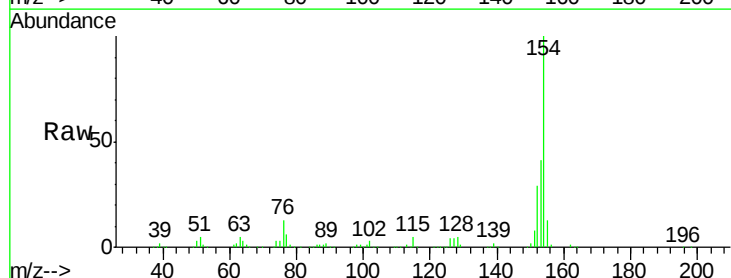
Tgt Ion:154 Resp: 565950

Ion Ratio Lower Upper

154 100

153 40.7 20.6 60.6

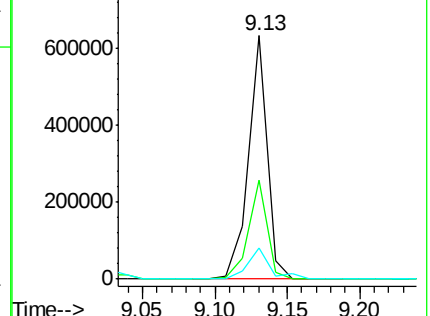
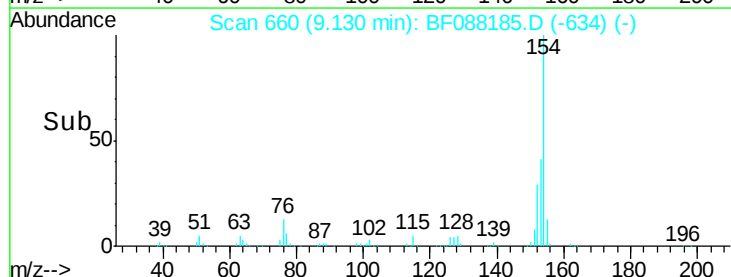
76 12.9 0.0 35.1

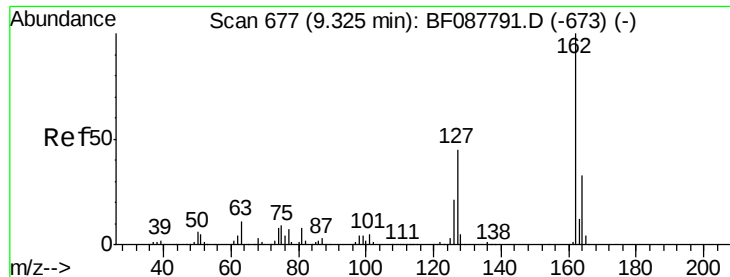


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

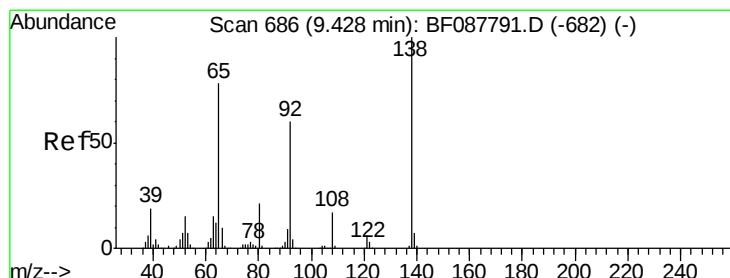
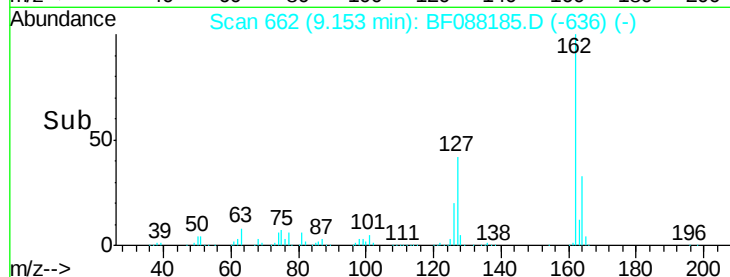
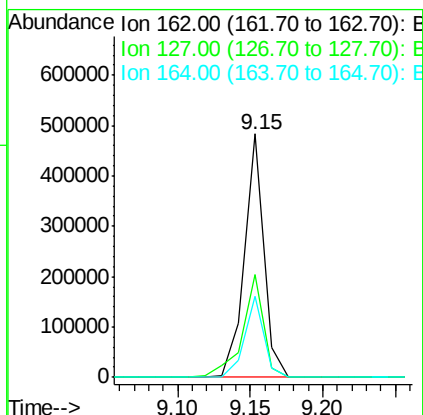
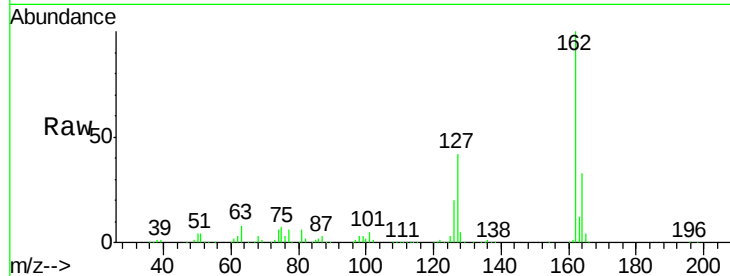




#46  
 2-Chloronaphthalene  
 Concen: 41.51 ng  
 RT: 9.15 min Scan# 662  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

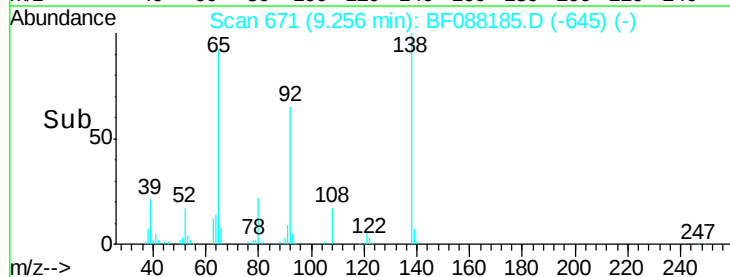
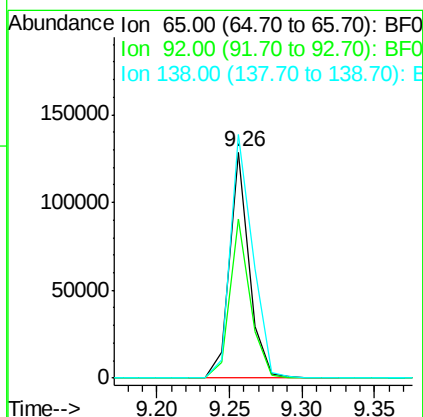
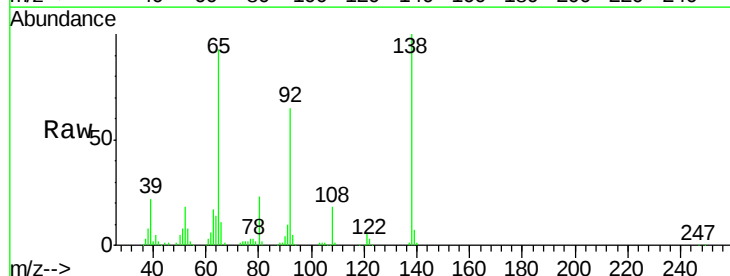
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

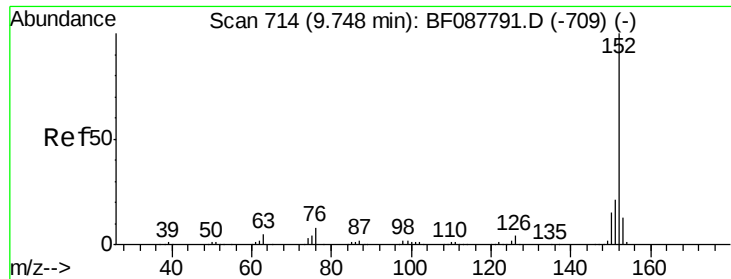
Tgt Ion: 162 Resp: 450382  
 Ion Ratio Lower Upper  
 162 100  
 127 42.3 35.2 52.8  
 164 33.1 26.6 39.8



#47  
 2-Nitroaniline  
 Concen: 37.68 ng  
 RT: 9.26 min Scan# 671  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion: 65 Resp: 120613  
 Ion Ratio Lower Upper  
 65 100  
 92 70.4 54.6 82.0  
 138 107.7 77.0 115.4

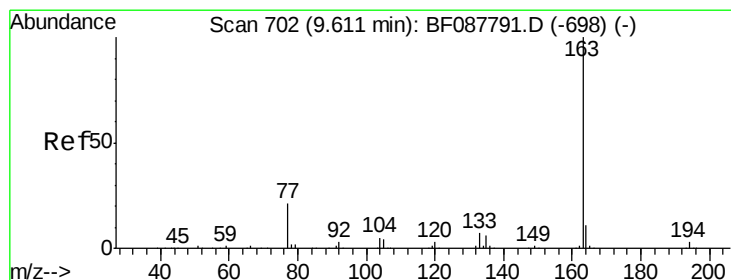
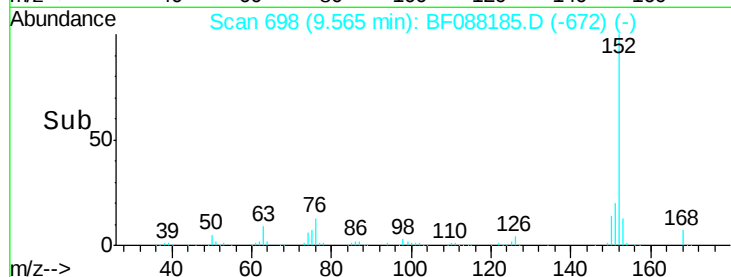
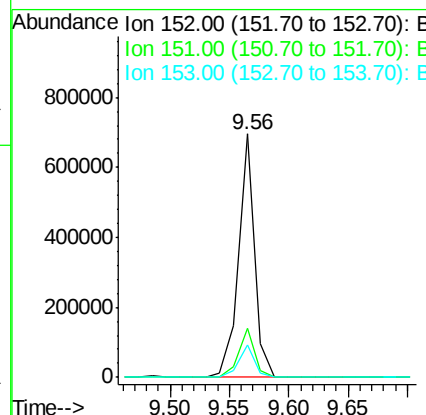
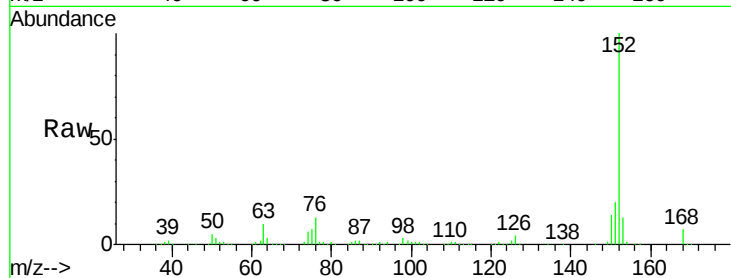




#48  
Acenaphthylene  
Concen: 37.93 ng  
RT: 9.56 min Scan# 698  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

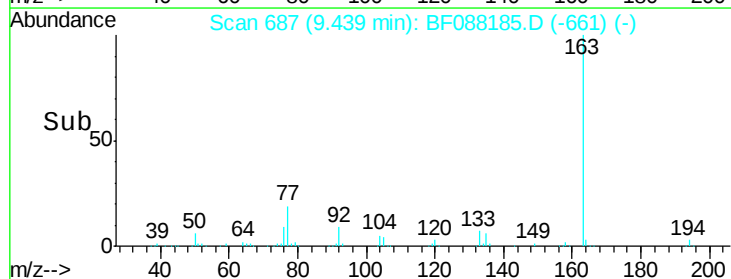
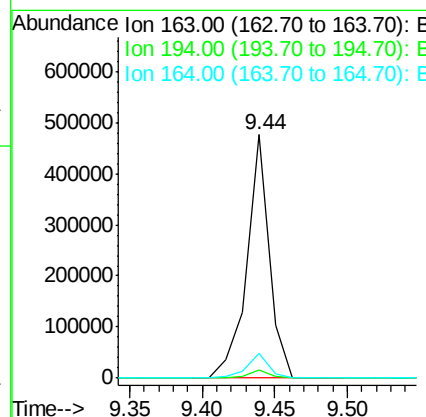
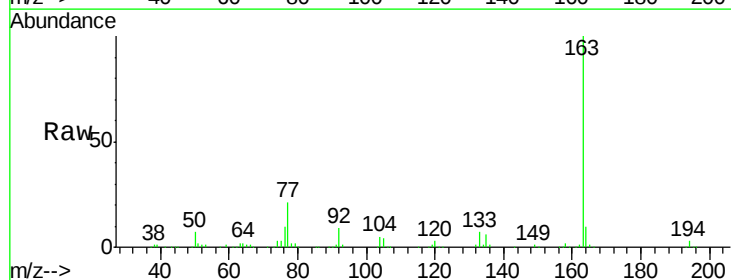
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

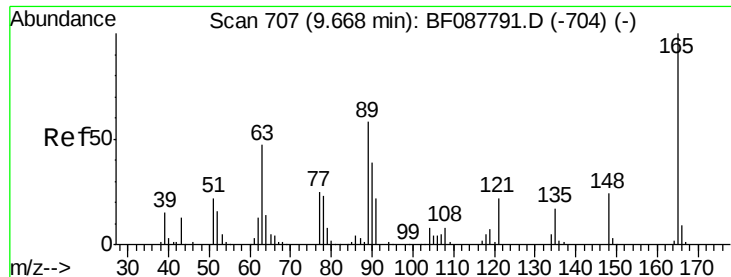
Tgt Ion:152 Resp: 654655  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.4  
153 13.4 11.0 16.6



#49  
Dimethylphthalate  
Concen: 42.16 ng  
RT: 9.44 min Scan# 687  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:163 Resp: 512116  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.8 4.2  
164 10.4 8.3 12.5





#50

2,6-Dinitrotoluene

Concen: 44.66 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

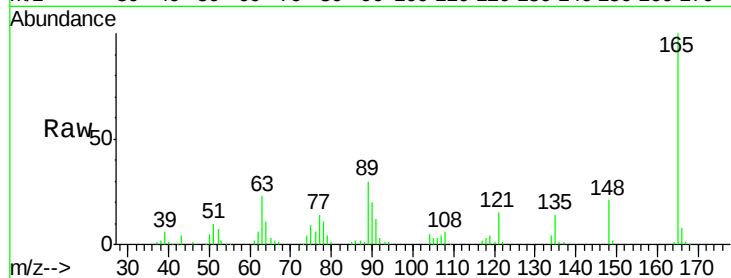
Tgt Ion:165 Resp: 124229

Ion Ratio Lower Upper

165 100

63 23.5 28.1 42.1#

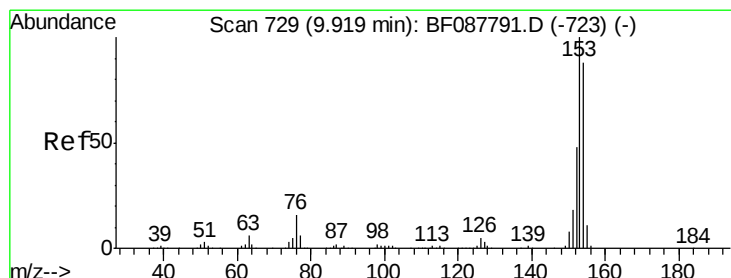
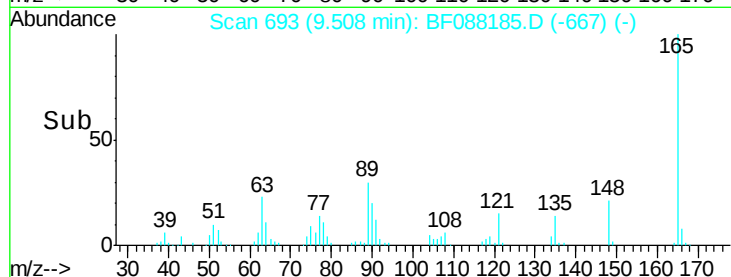
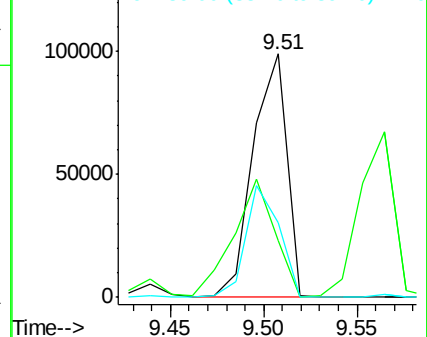
89 30.5 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 37.81 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

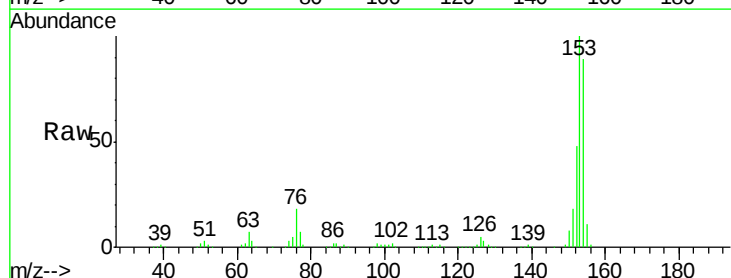
Tgt Ion:154 Resp: 407165

Ion Ratio Lower Upper

154 100

153 112.2 89.5 134.3

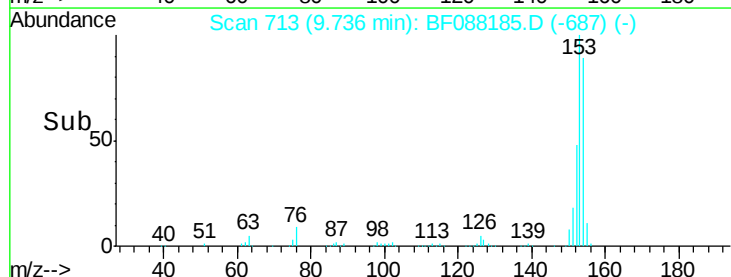
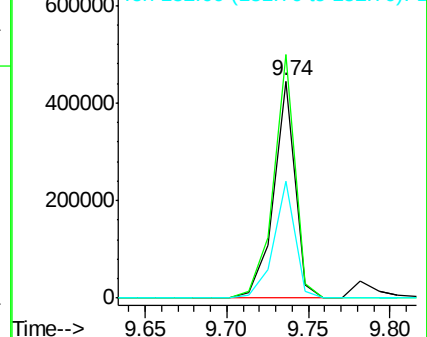
152 53.6 42.7 64.1

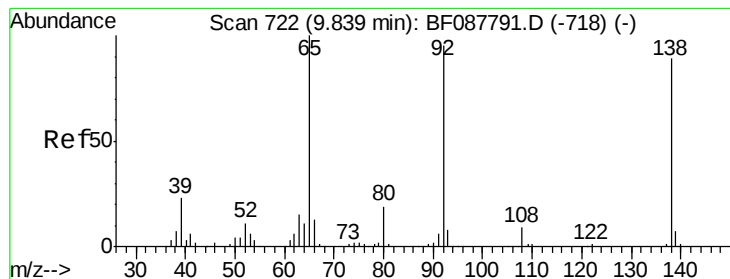


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 20.72 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampled :

PB91264BS

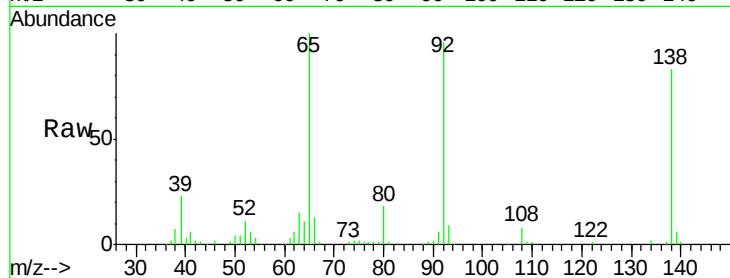
Tgt Ion:138 Resp: 66526

Ion Ratio Lower Upper

138 100

108 9.9 8.5 12.7

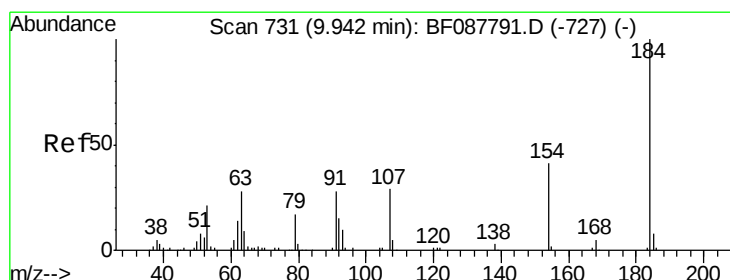
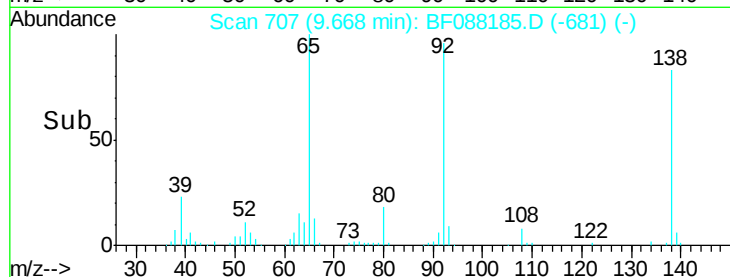
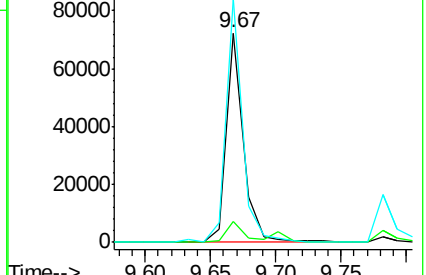
92 116.2 95.7 143.5



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): BF0



#53

2,4-Dinitrophenol

Concen: 49.72 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

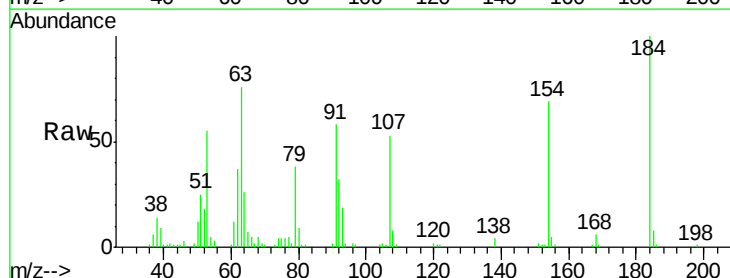
Tgt Ion:184 Resp: 67775

Ion Ratio Lower Upper

184 100

63 76.4 57.6 86.4

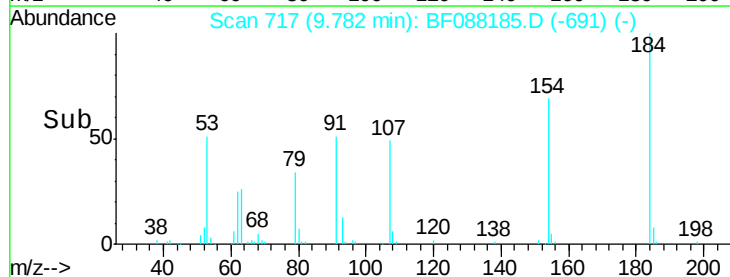
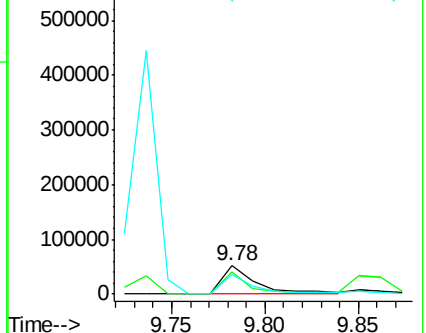
154 68.8 53.5 80.3

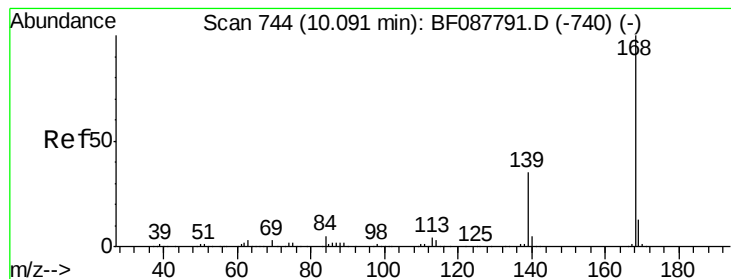


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 37.24 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

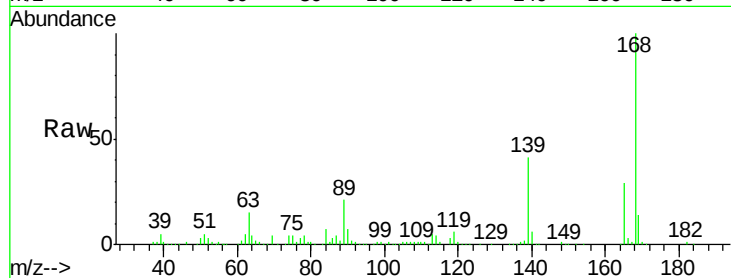
Tgt Ion:168 Resp: 552164

Ion Ratio Lower Upper

168 100

139 41.5 26.4 39.6#

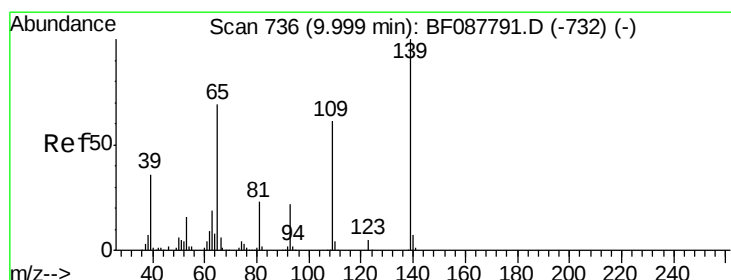
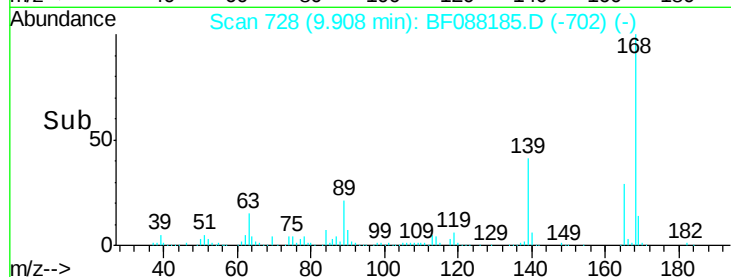
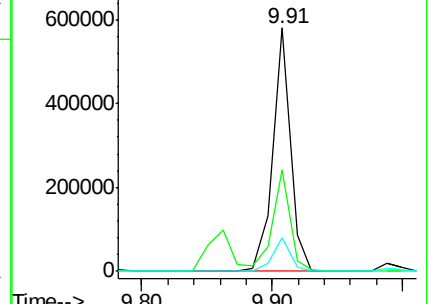
169 13.6 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 52.20 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

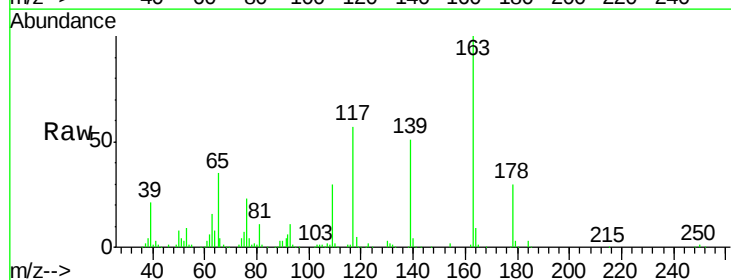
Tgt Ion:139 Resp: 130060

Ion Ratio Lower Upper

139 100

109 58.2 48.9 88.9

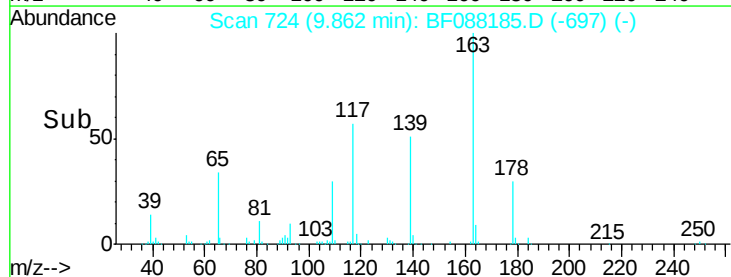
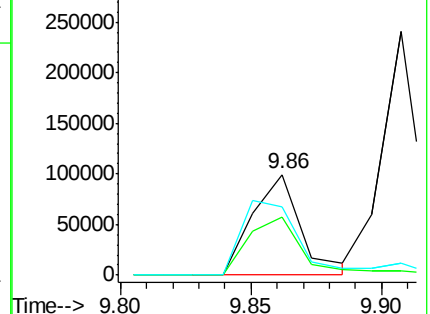
65 68.3 84.9 124.9#

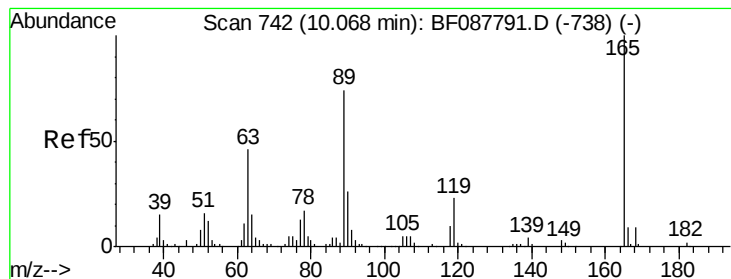


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 41.31 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

Tgt Ion:165 Resp: 147673

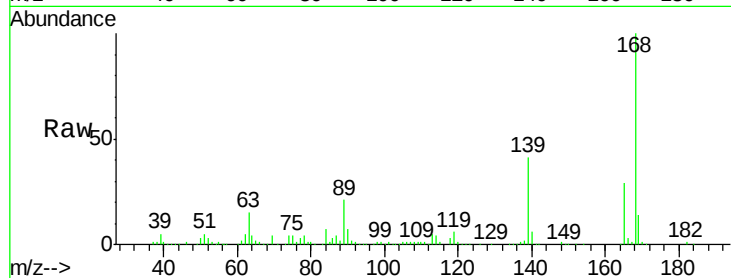
Ion Ratio Lower Upper

165 100

63 51.9 22.0 33.0#

89 74.5 41.1 61.7#

182 2.4 2.0 3.0

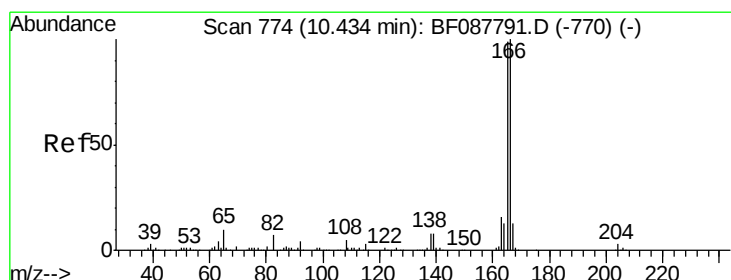
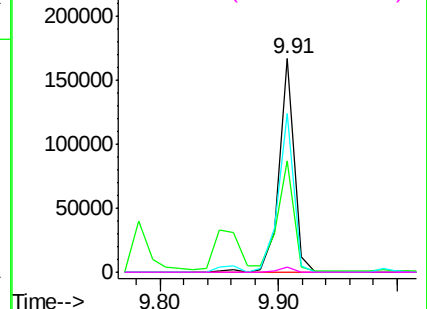
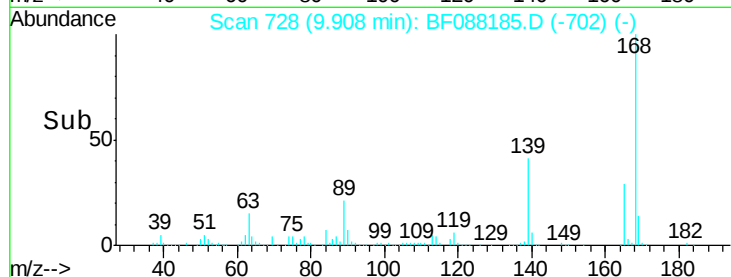


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 47.76 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

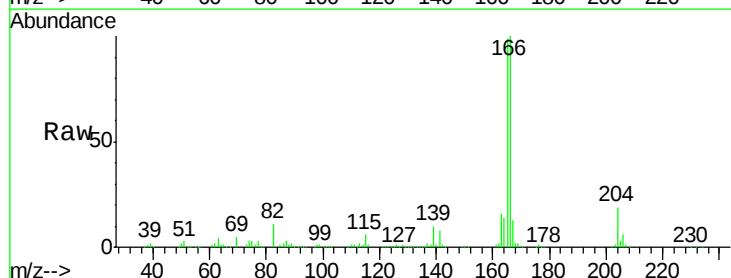
Tgt Ion:166 Resp: 475659

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

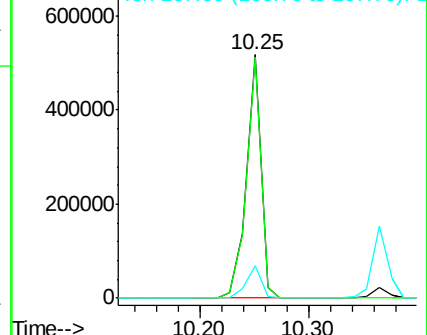
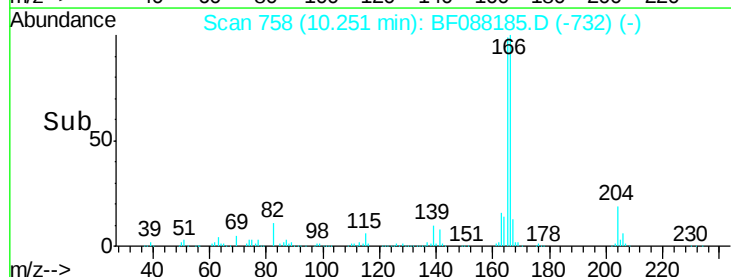
167 13.5 11.2 16.8

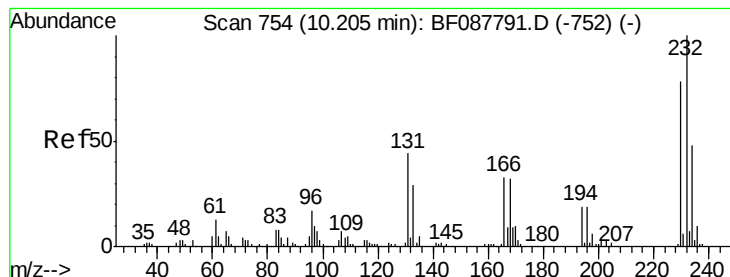


Abundance Ion 166.00 (165.70 to 166.70): E

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: 39.80 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

Tgt Ion:232 Resp: 109108

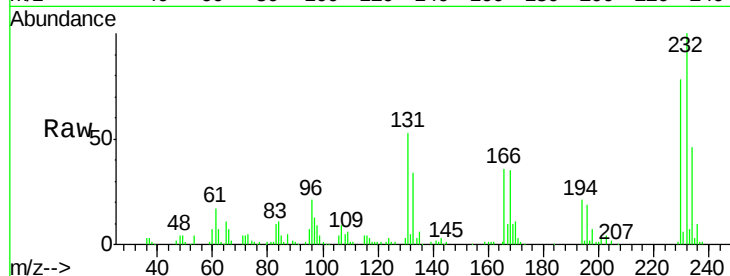
Ion Ratio Lower Upper

232 100

131 49.7 0.9 1.3#

130 2.2 1.5 2.3

166 31.9 0.5 0.7#

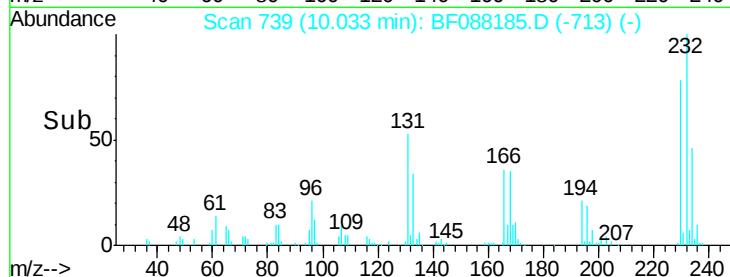


Abundance Ion 232.00 (231.70 to 232.70): E

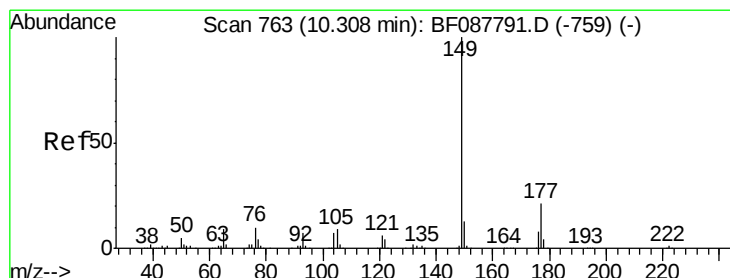
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->



#59

Diethylphthalate

Concen: 43.28 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

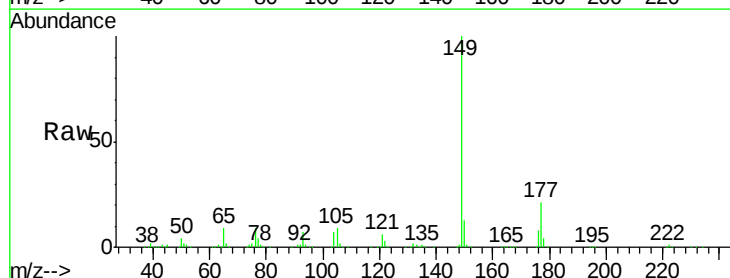
Tgt Ion:149 Resp: 532201

Ion Ratio Lower Upper

149 100

177 20.9 16.9 25.3

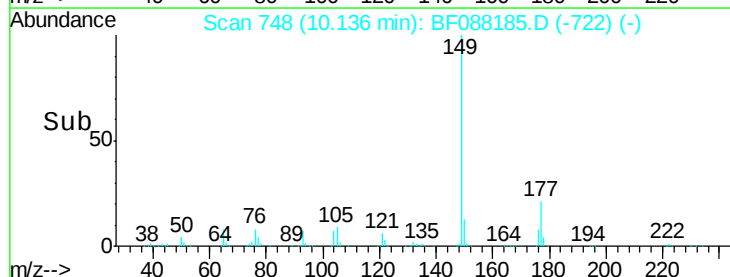
150 12.6 10.1 15.1



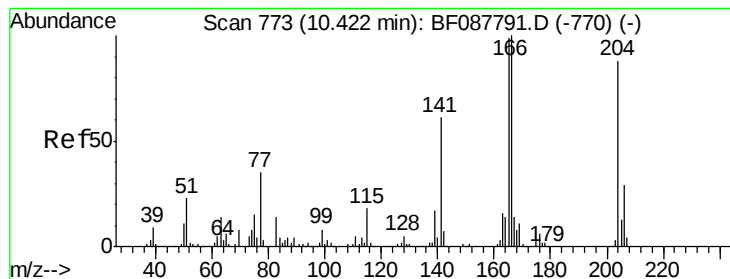
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->



#60

4-Chlorophenyl-phenylether

Concen: 38.40 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

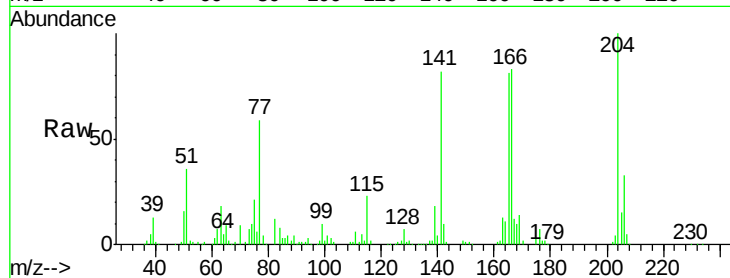
Tgt Ion:204 Resp: 189348

Ion Ratio Lower Upper

204 100

206 32.6 26.3 39.5

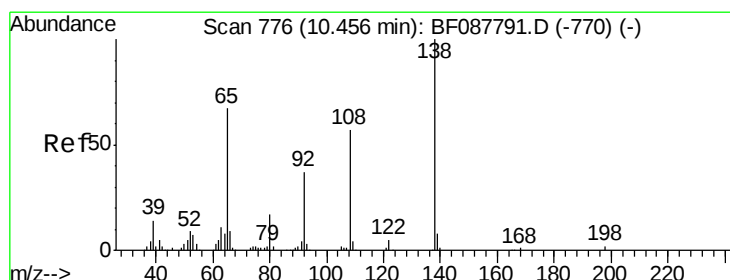
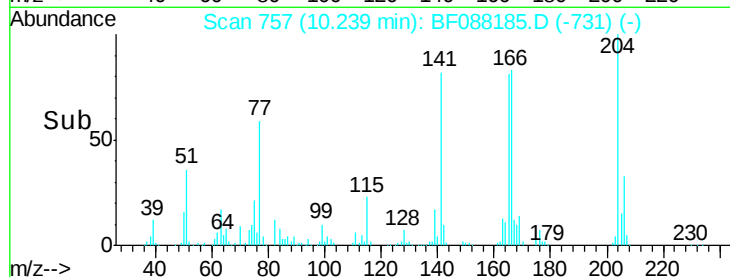
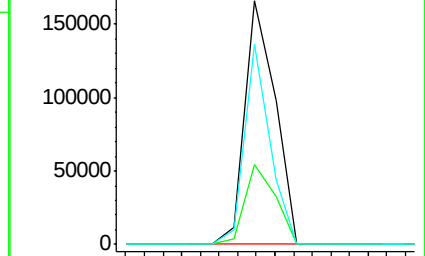
141 82.0 55.0 82.6



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: 40.91 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

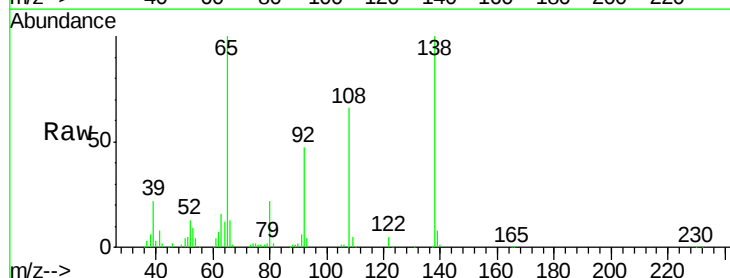
Tgt Ion:138 Resp: 124549

Ion Ratio Lower Upper

138 100

92 47.4 27.3 67.3

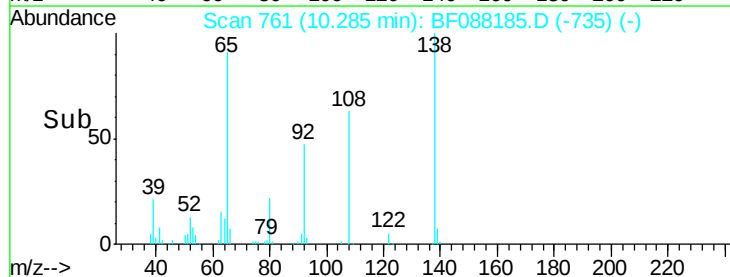
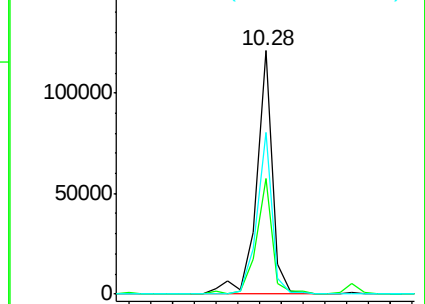
108 66.2 46.7 86.7

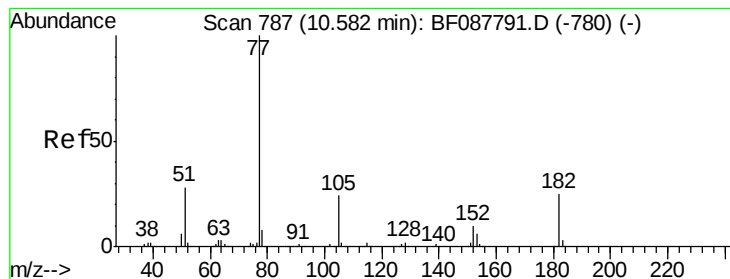


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 40.16 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

Tgt Ion: 77 Resp: 488298

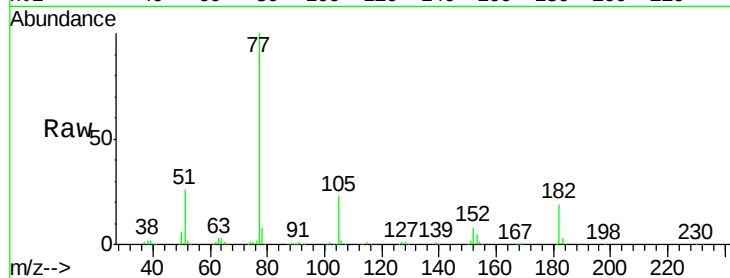
Ion Ratio Lower Upper

77 100

182 19.4 4.4 44.4

105 22.6 3.8 43.8

51 26.4 9.3 49.3

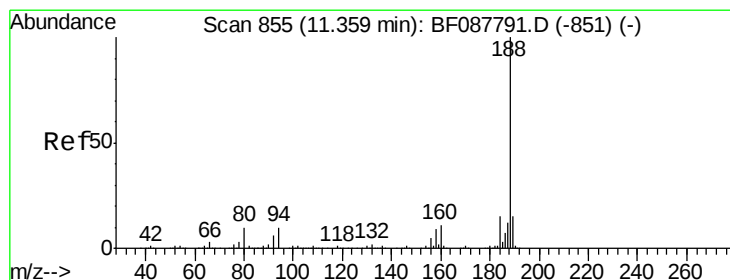
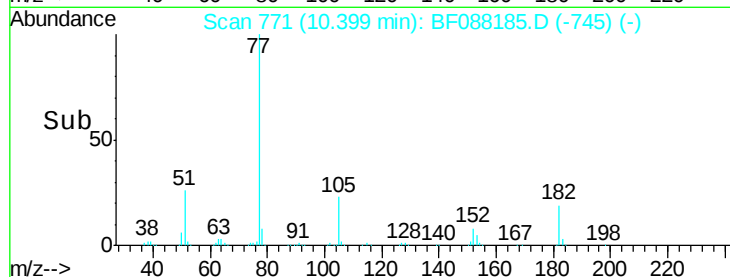
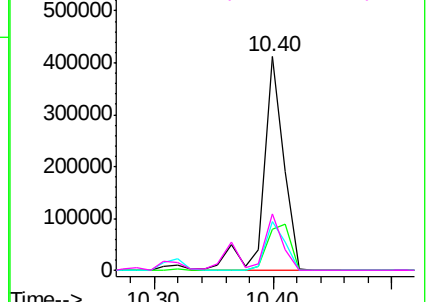


Abundance Ion 77.00 (76.70 to 77.70): BF0

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): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

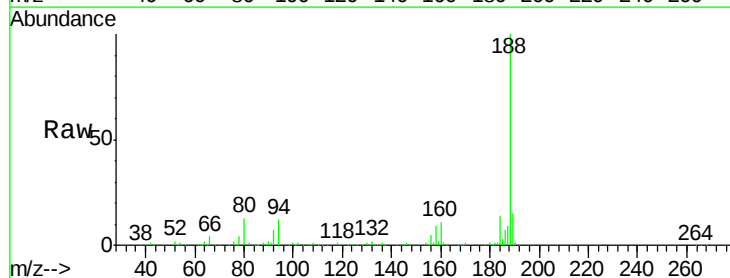
Tgt Ion: 188 Resp: 303675

Ion Ratio Lower Upper

188 100

94 12.4 9.0 13.6

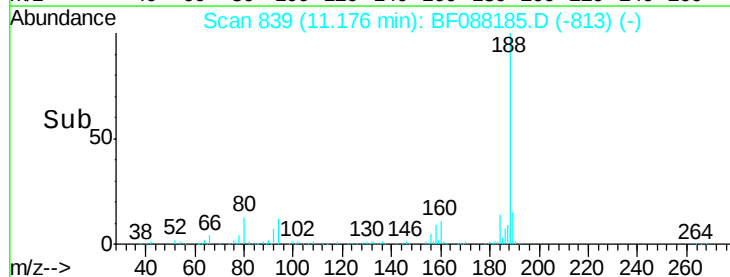
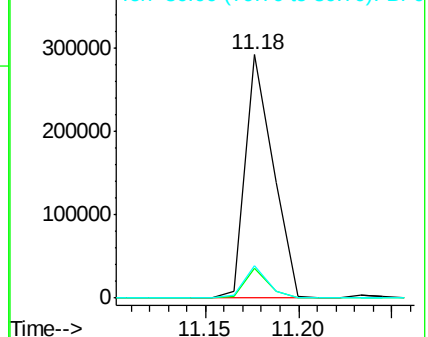
80 13.1 10.0 15.0

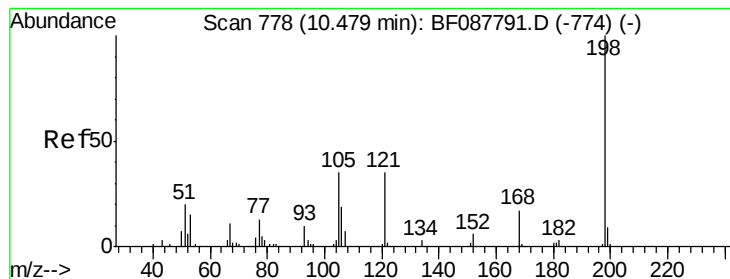


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 33.99 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

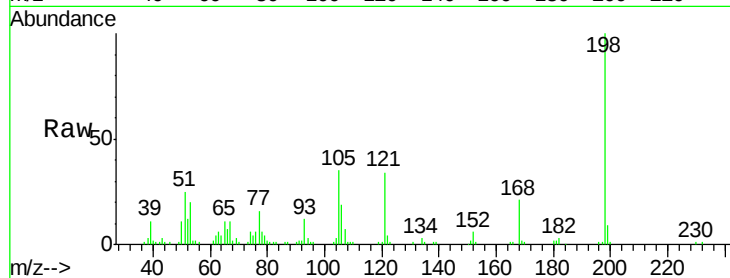
Tgt Ion:198 Resp: 63180

Ion Ratio Lower Upper

198 100

51 24.9 39.6 79.6#

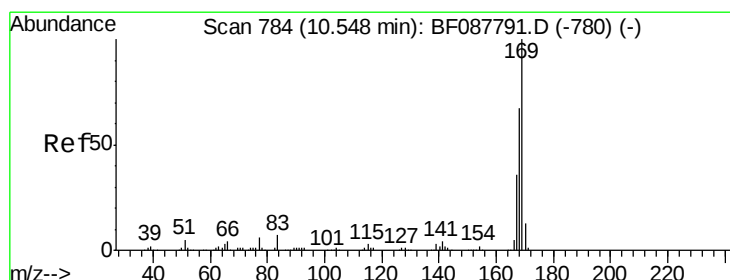
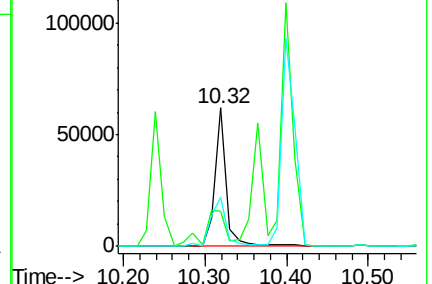
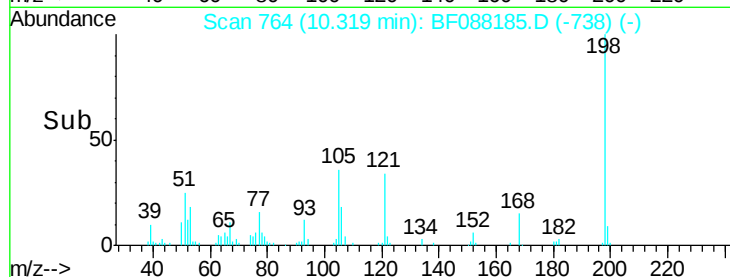
105 35.2 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 40.94 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

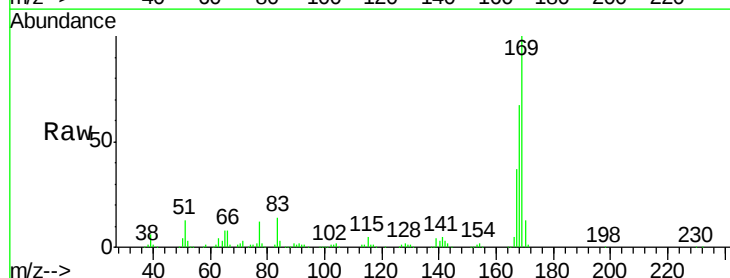
Tgt Ion:169 Resp: 412527

Ion Ratio Lower Upper

169 100

168 67.3 53.4 80.0

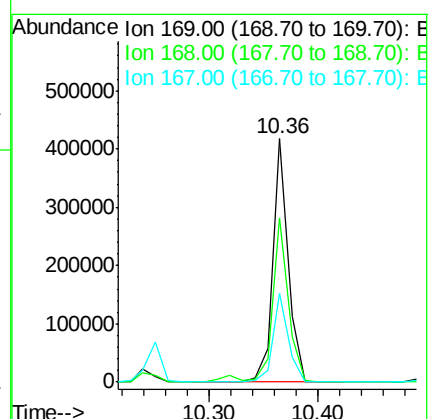
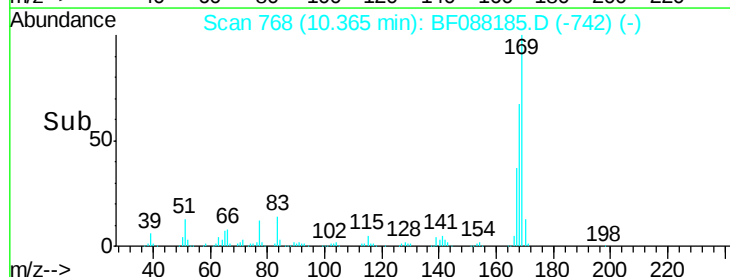
167 36.6 29.4 44.0



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

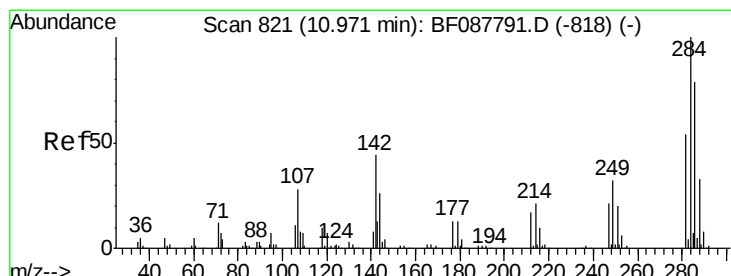
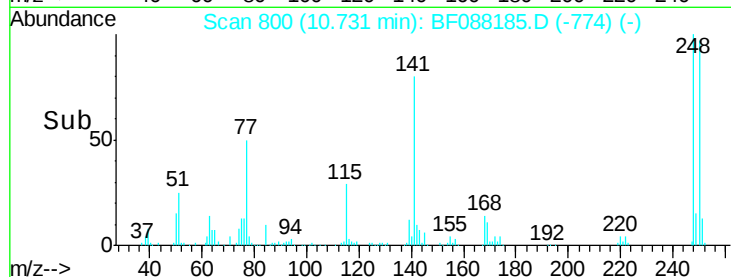
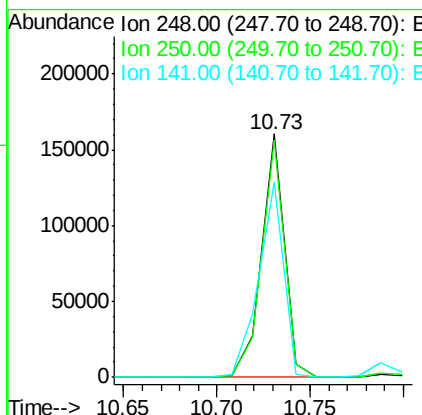
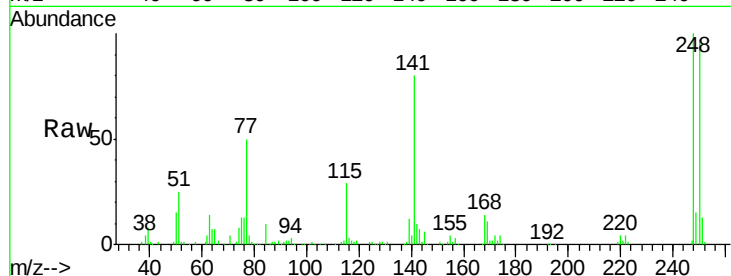




#66  
4-Bromophenyl-phenylether  
Concen: 41.51 ng  
RT: 10.73 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

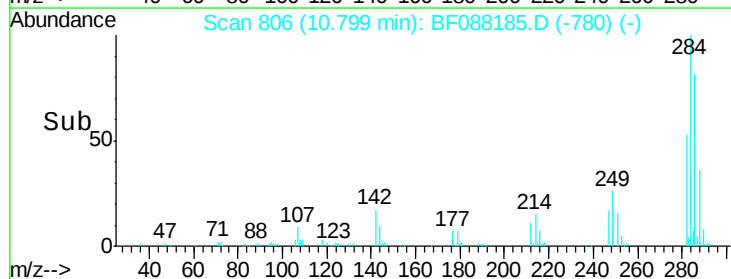
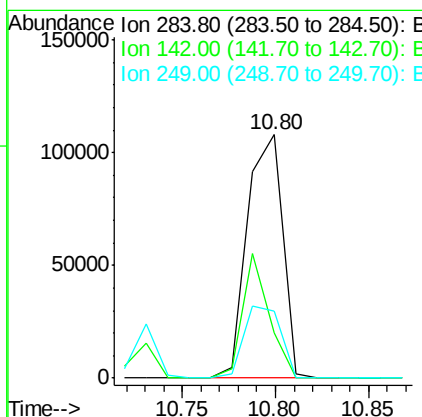
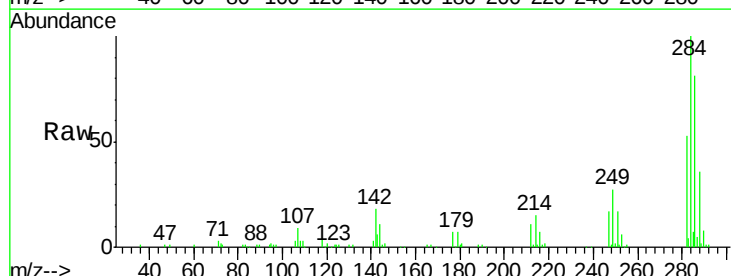
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

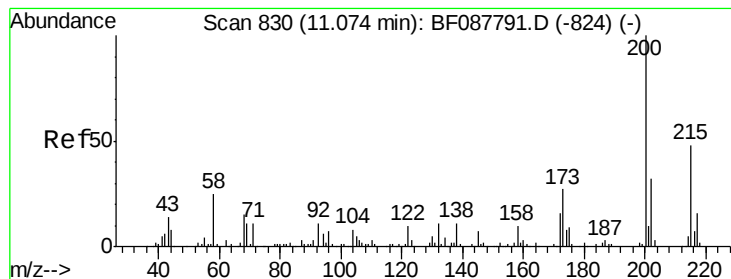
Tgt Ion:248 Resp: 135230  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.1 115.7  
141 80.1 50.6 76.0#



#67  
Hexachlorobenzene  
Concen: 41.70 ng  
RT: 10.80 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:284 Resp: 141146  
Ion Ratio Lower Upper  
284 100  
142 18.4 35.8 53.8#  
249 27.3 25.8 38.6





#68

Atrazine

Concen: 43.90 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

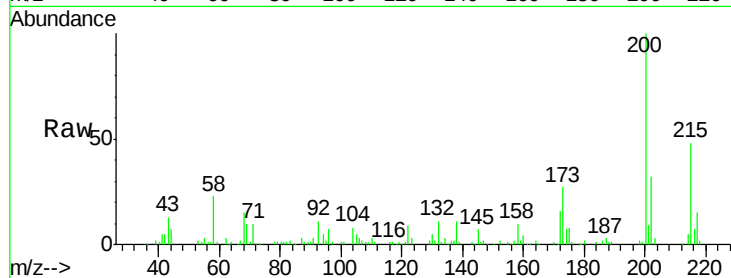
Tgt Ion:200 Resp: 133945

Ion Ratio Lower Upper

200 100

173 26.7 4.0 44.0

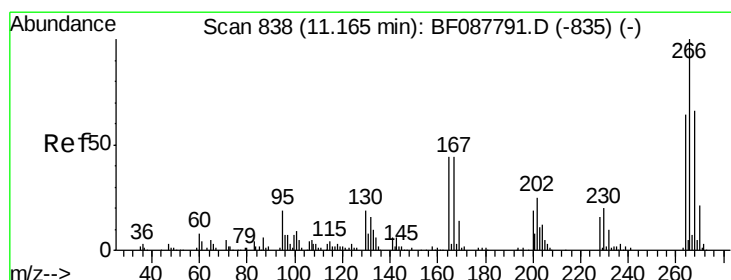
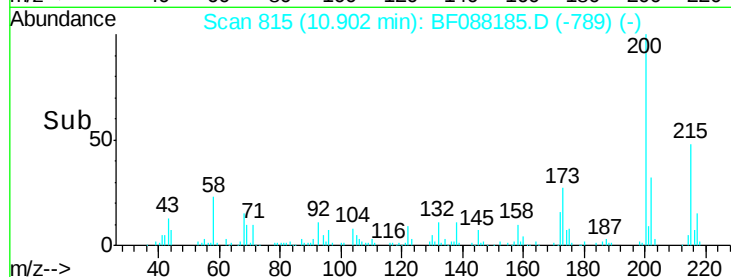
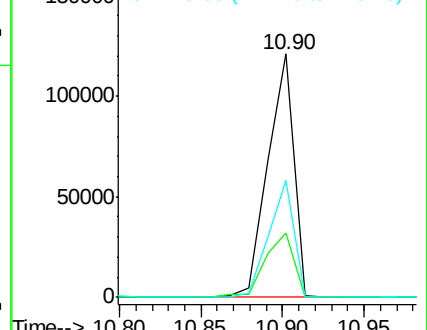
215 48.3 29.3 69.3



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: 50.27 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

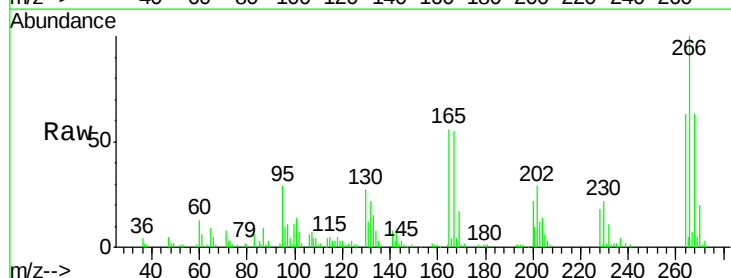
Tgt Ion:266 Resp: 89694

Ion Ratio Lower Upper

266 100

268 62.8 52.8 79.2

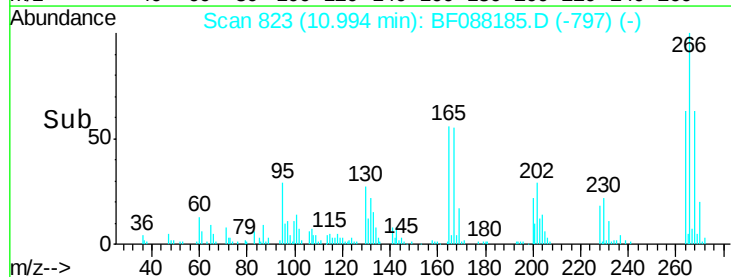
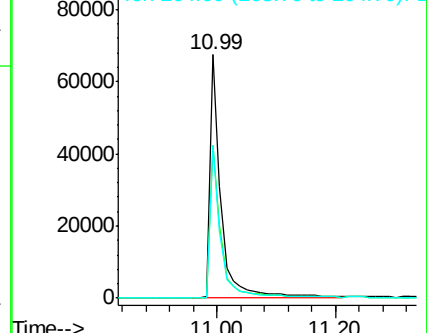
264 63.0 49.6 74.4

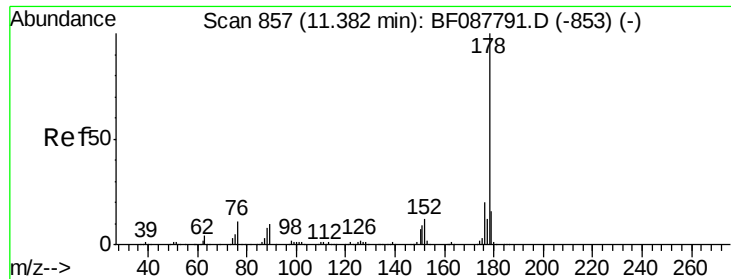


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

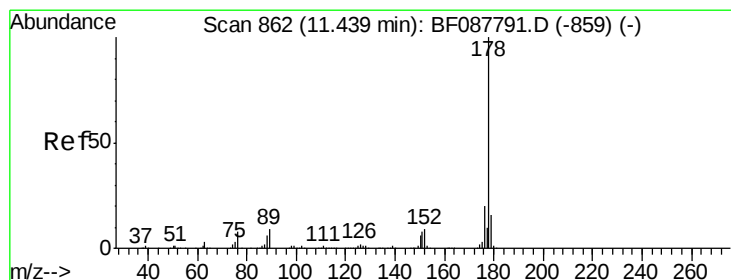
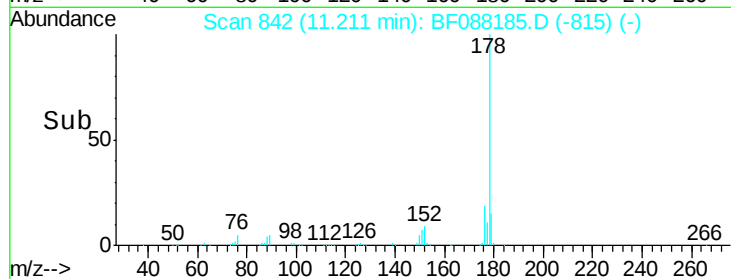
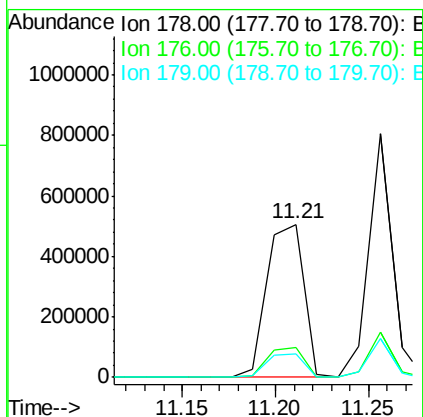
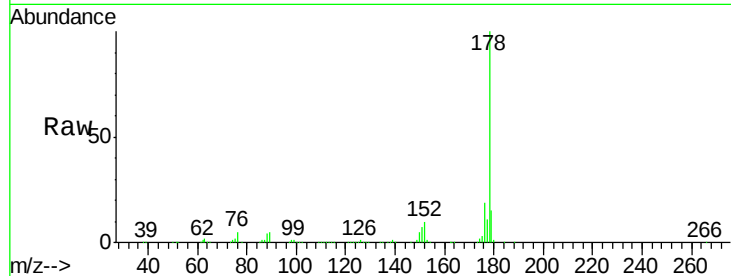




#70  
Phenanthrene  
Concen: 43.63 ng  
RT: 11.21 min Scan# 842  
Delta R.T. 0.01 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

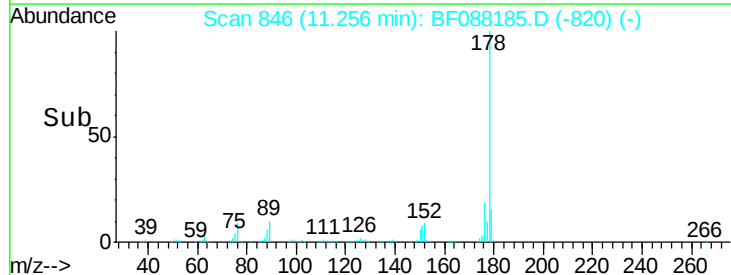
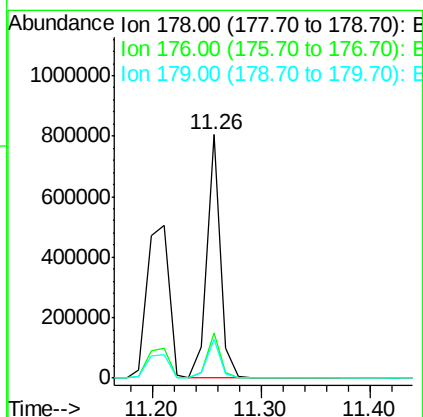
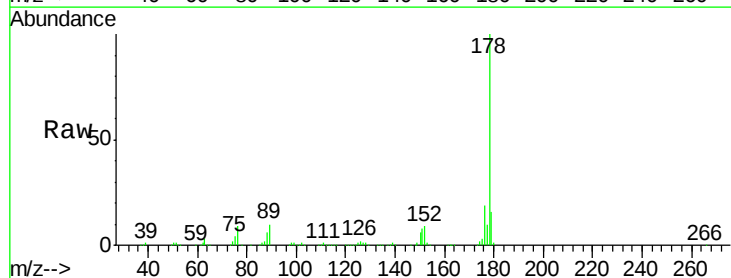
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

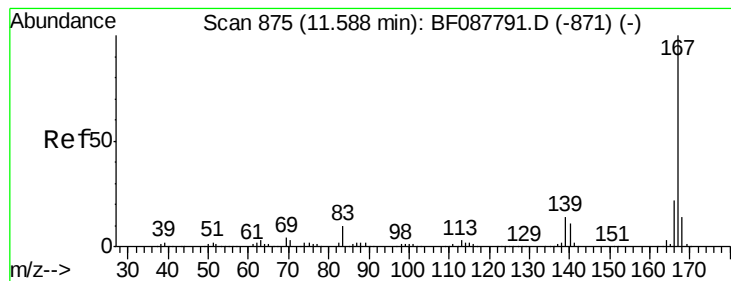
Tgt Ion:178 Resp: 695247  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.1 13.0 19.4



#71  
Anthracene  
Concen: 43.24 ng  
RT: 11.26 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:178 Resp: 695060  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.6 23.4  
179 15.8 12.8 19.2





#72

Carbazole

Concen: 43.08 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

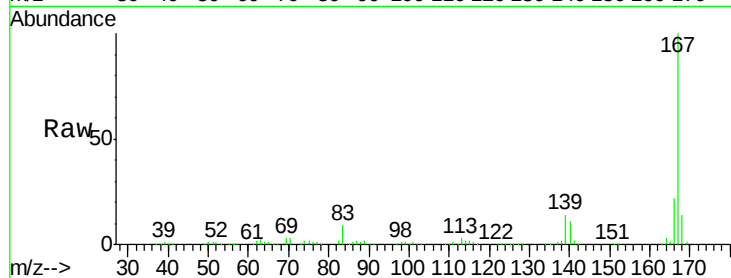
Tgt Ion:167 Resp: 647944

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.6

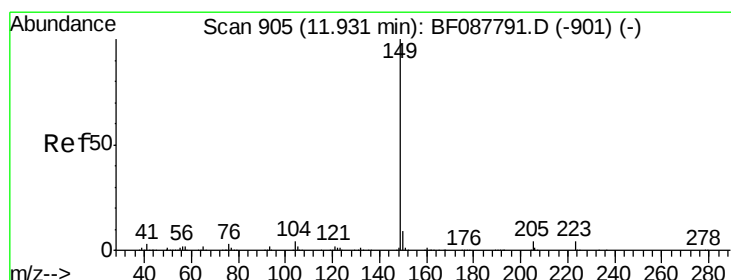
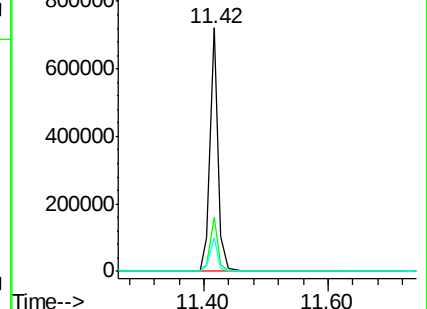
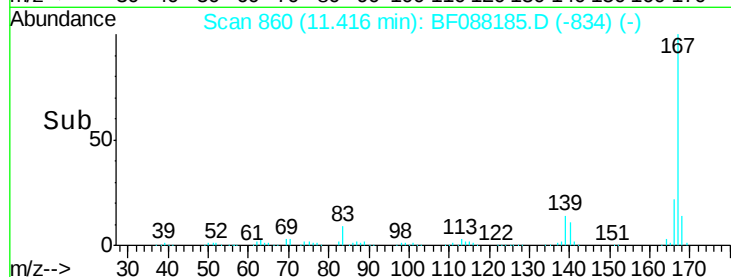
139 14.0 11.2 16.8



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: 41.32 ng

RT: 11.75 min Scan# 889

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

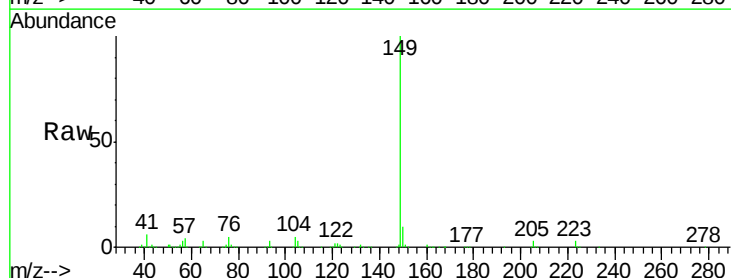
Tgt Ion:149 Resp: 786718

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

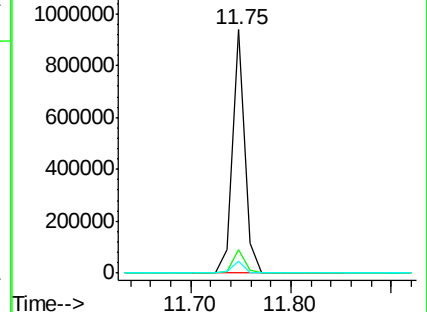
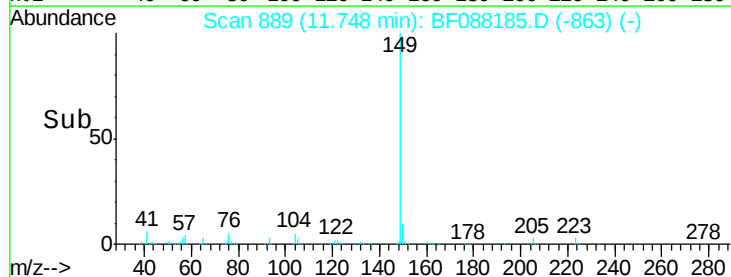
104 4.9 4.0 6.0

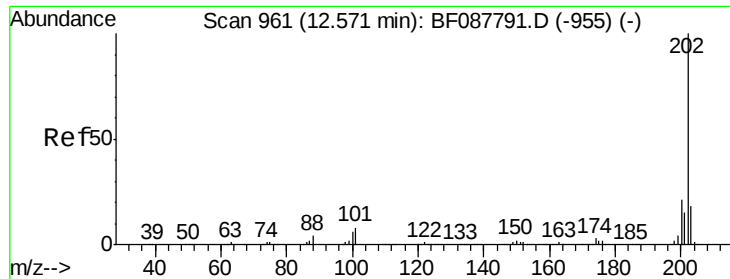


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

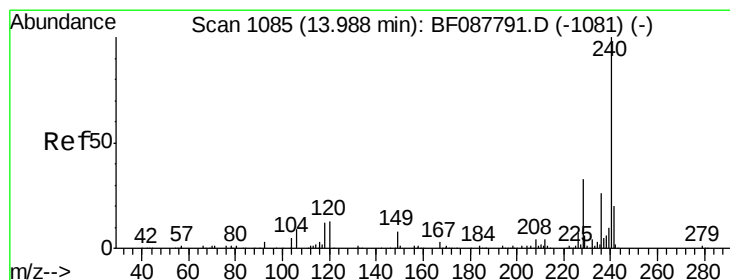
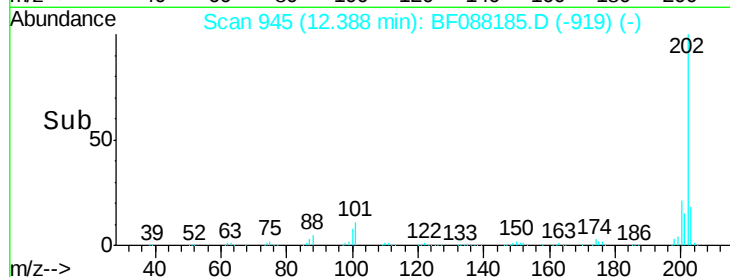
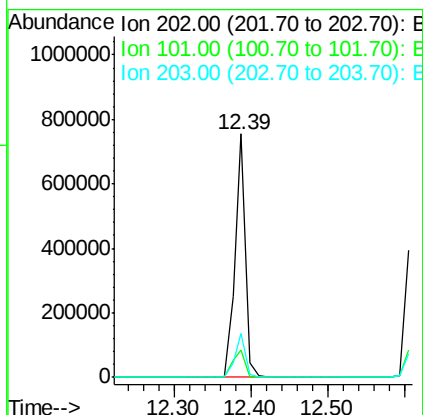
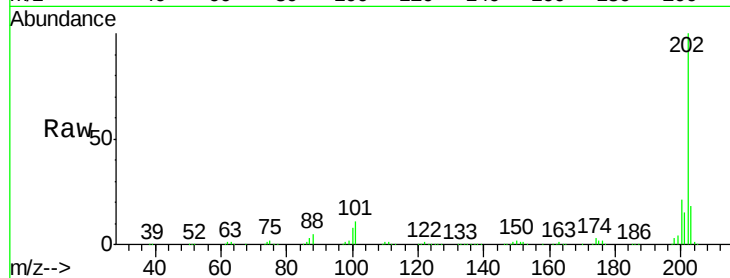




#74  
 Fluoranthene  
 Concen: 43.34 ng  
 RT: 12.39 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

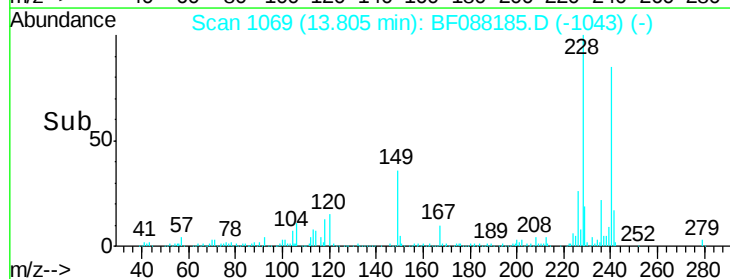
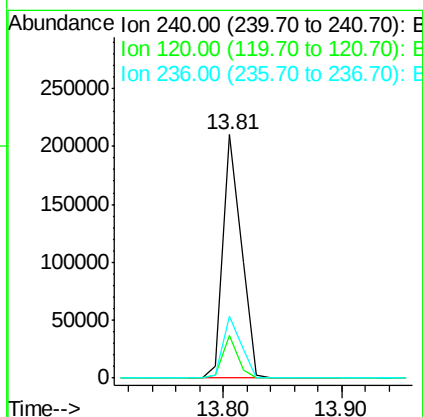
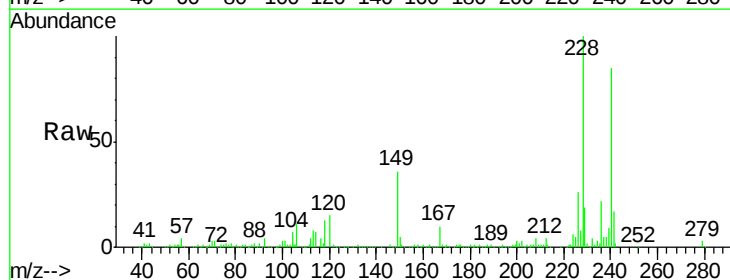
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.3  | 0.0   | 33.1  |
| 203     | 18.0  | 0.0   | 38.1  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.81 min Scan# 1069  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 17.5  | 6.8   | 10.2# |
| 236     | 25.7  | 20.2  | 30.2  |

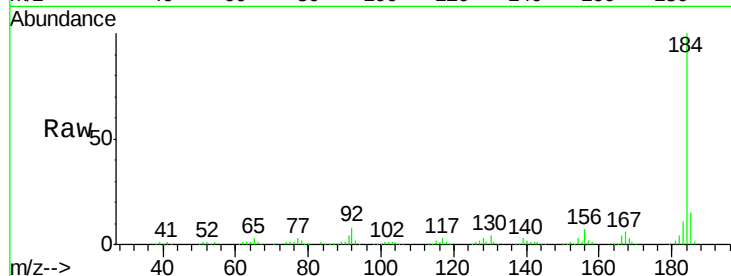




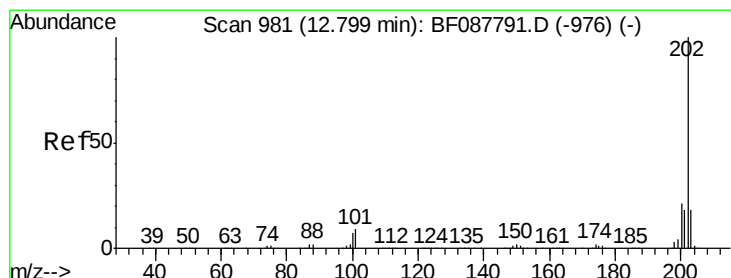
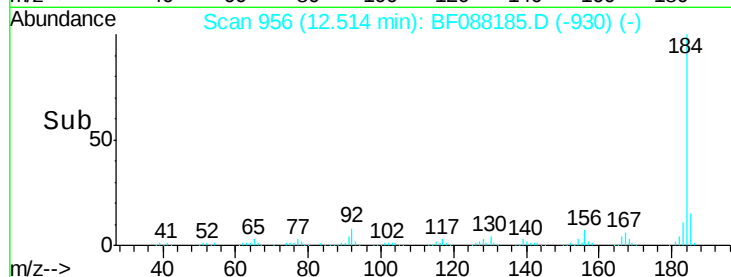
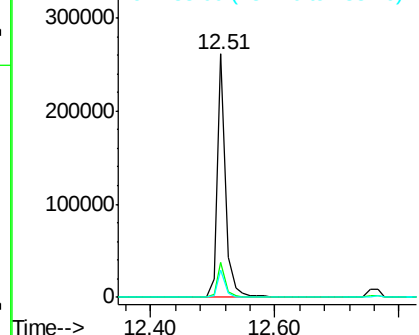
#76  
Benzidine  
Concen: 38.85 ng  
RT: 12.51 min Scan# 956  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

Tgt Ion:184 Resp: 239492  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.5 18.7  
183 11.4 9.3 13.9

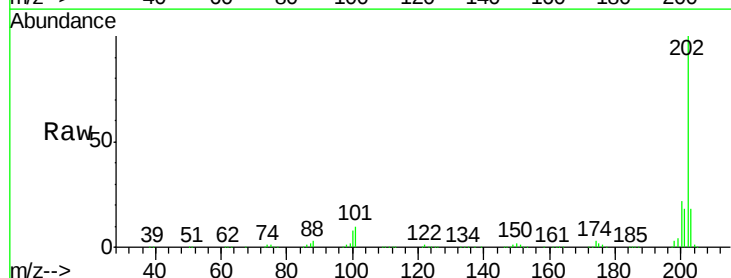


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

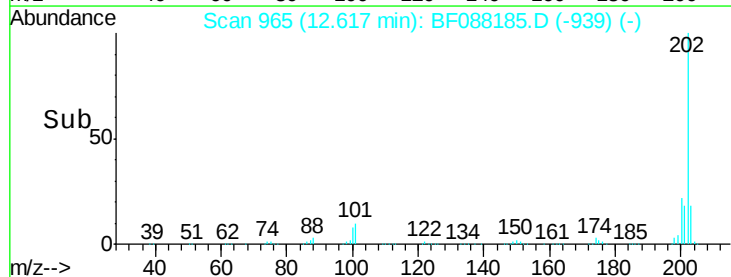
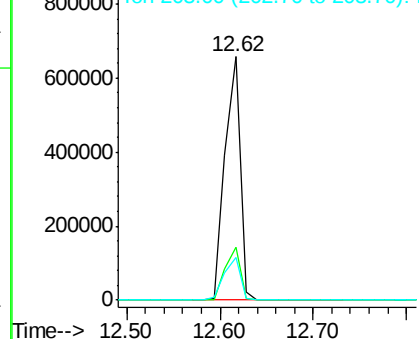


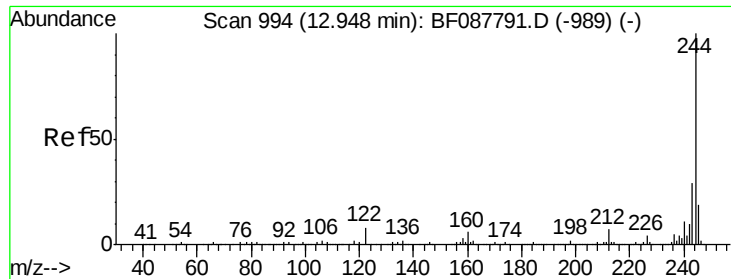
#77  
Pyrene  
Concen: 45.02 ng  
RT: 12.62 min Scan# 965  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:202 Resp: 743697  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.4 26.2  
203 17.6 14.5 21.7



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

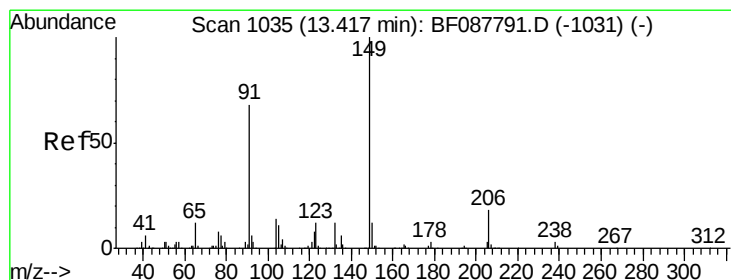
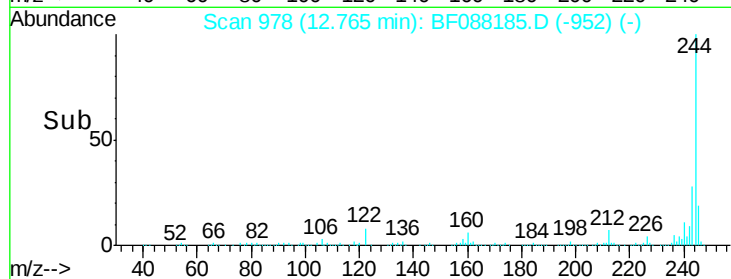
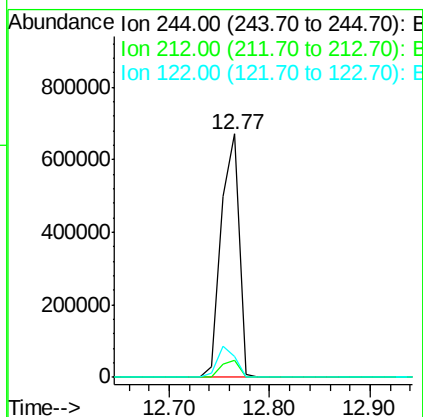
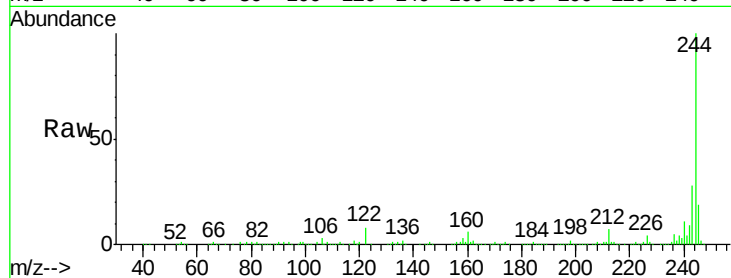




#78  
 Terphenyl-d14  
 Concen: 84.99 ng  
 RT: 12.77 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

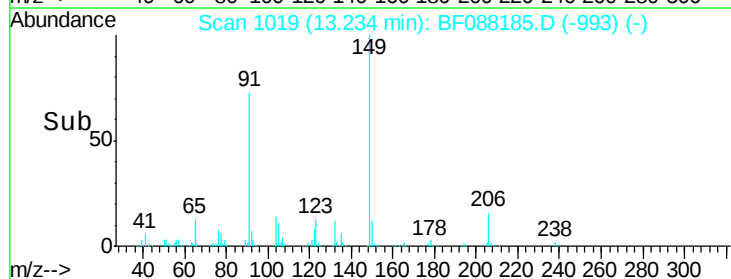
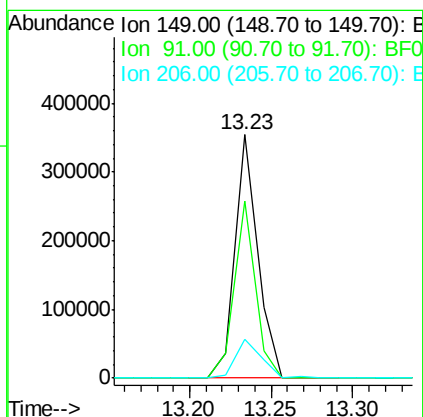
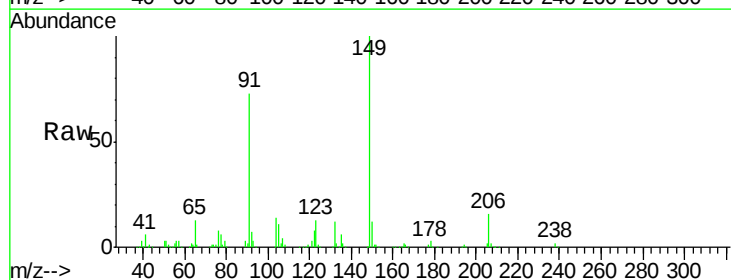
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91264BS

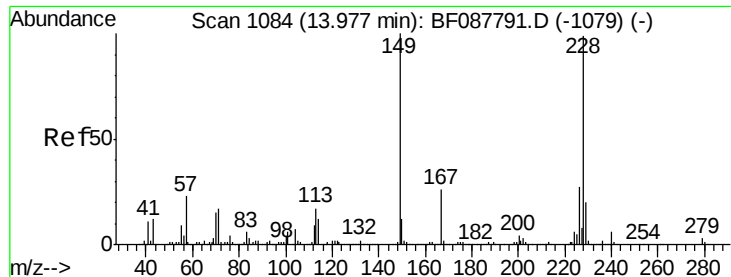
Tgt Ion:244 Resp: 831551  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 8.4 11.2 16.8#



#79  
 Butylbenzylphthalate  
 Concen: 46.30 ng  
 RT: 13.23 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BF088185.D  
 Acq: 20 Jun 2016 21:51

Tgt Ion:149 Resp: 338158  
 Ion Ratio Lower Upper  
 149 100  
 91 72.6 48.0 72.0#  
 206 16.0 16.0 24.0





#80

Benzo(a)anthracene

Concen: 40.19 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

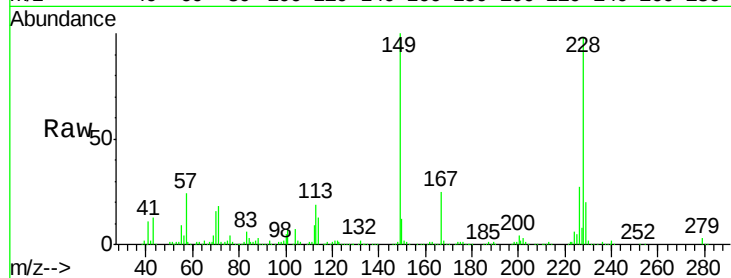
Tgt Ion:228 Resp: 509931

Ion Ratio Lower Upper

228 100

226 27.4 22.3 33.5

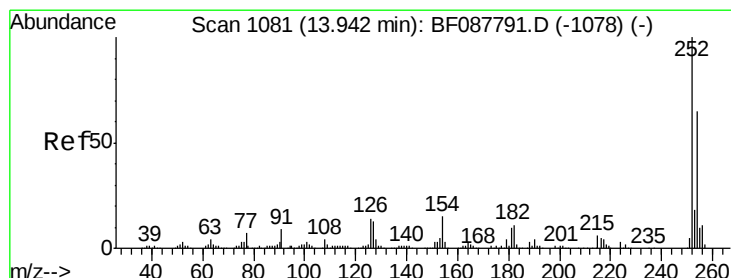
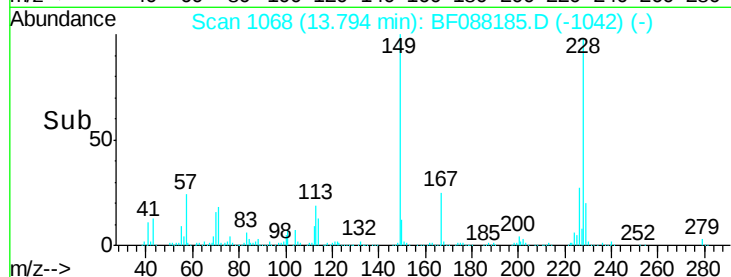
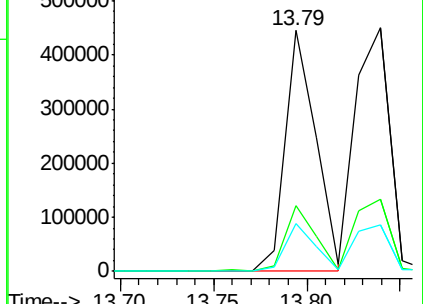
229 20.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 32.55 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

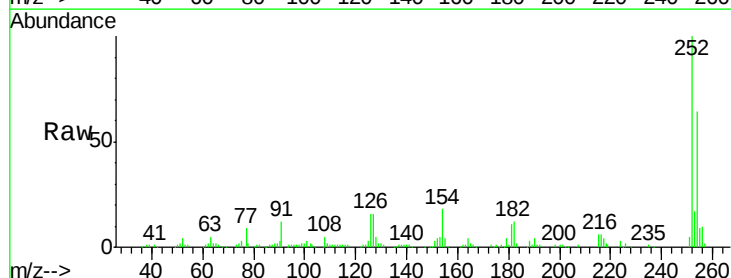
Tgt Ion:252 Resp: 111067

Ion Ratio Lower Upper

252 100

254 63.5 52.6 78.8

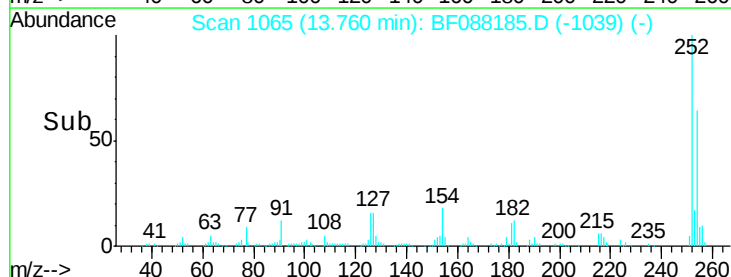
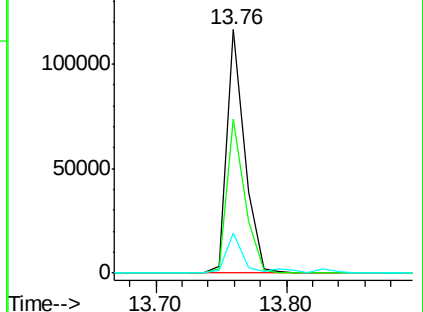
126 16.5 6.2 9.2#

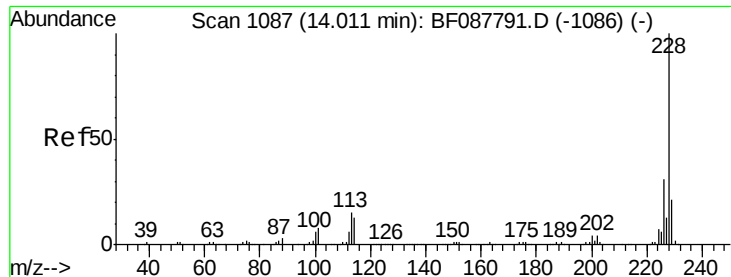


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 48.53 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

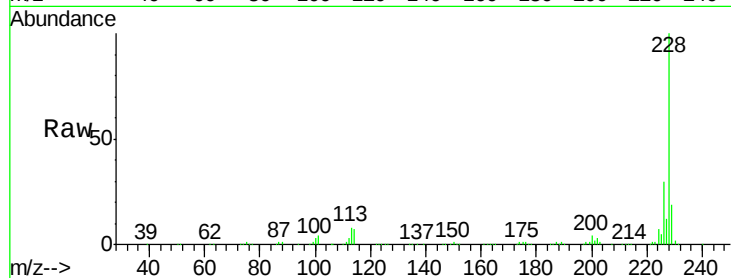
Tgt Ion:228 Resp: 579291

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

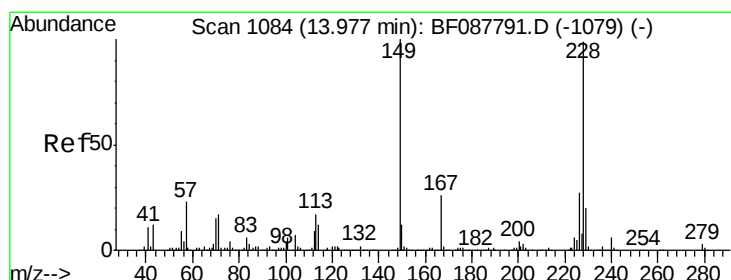
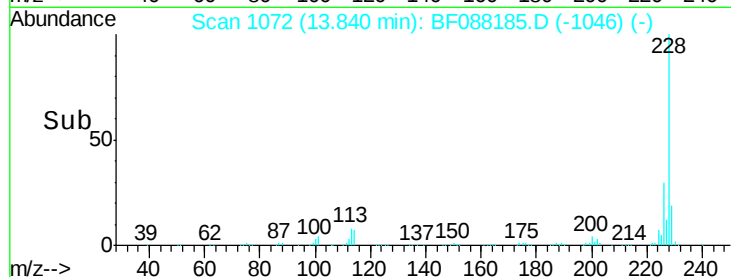
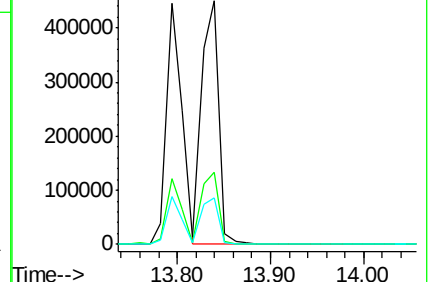
229 19.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 45.74 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

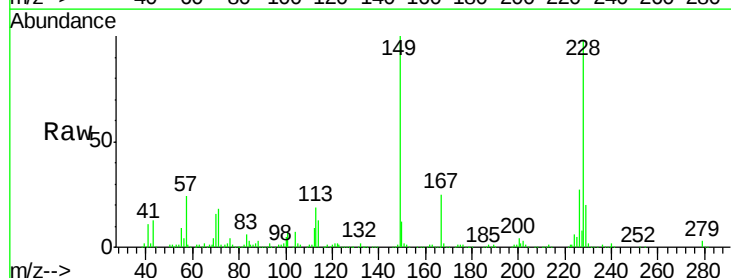
Tgt Ion:149 Resp: 406737

Ion Ratio Lower Upper

149 100

167 25.1 20.5 30.7

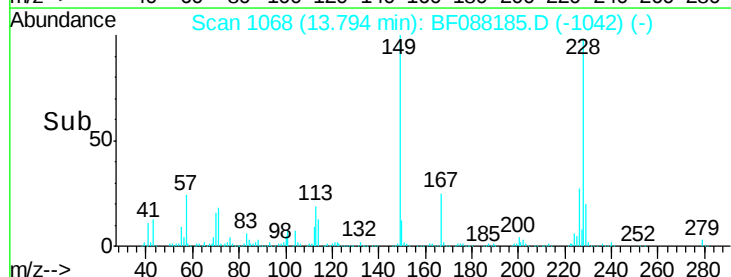
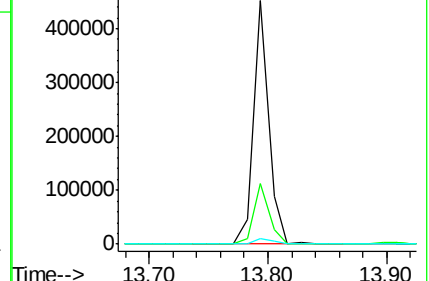
279 2.5 2.0 3.0

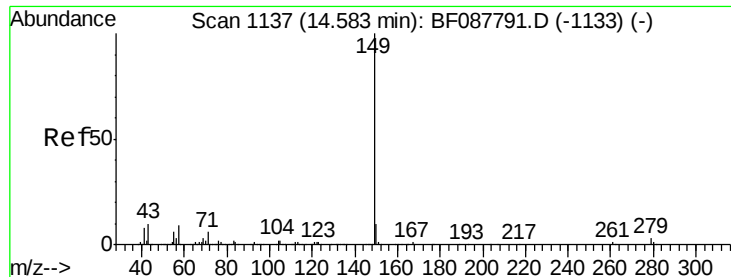


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

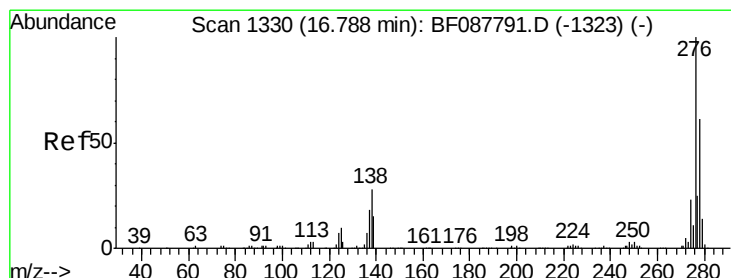
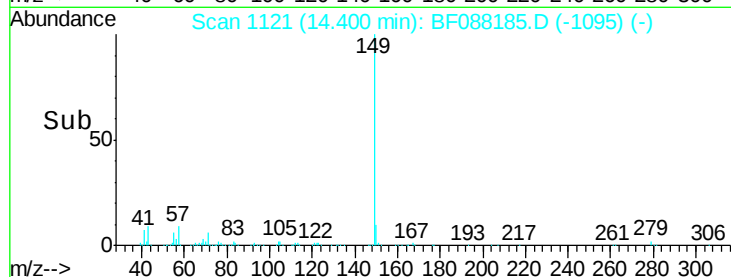
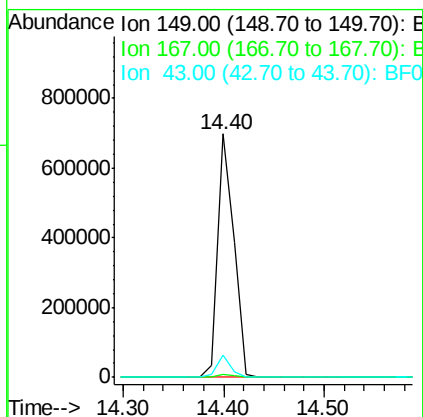
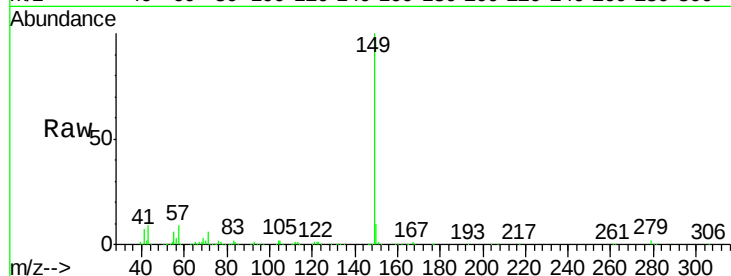




#84  
Di-n-octyl phthalate  
Concen: 53.88 ng  
RT: 14.40 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

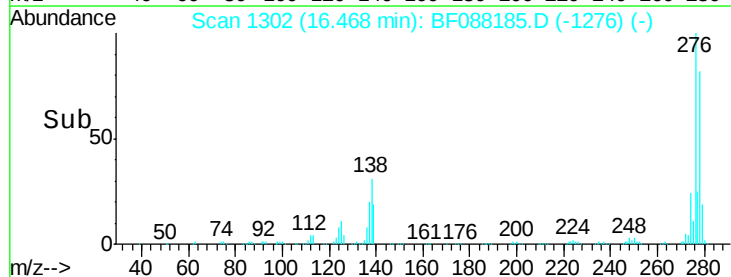
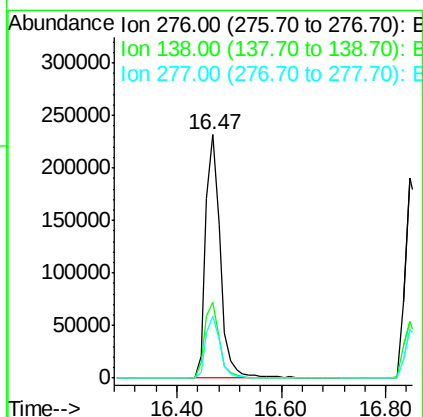
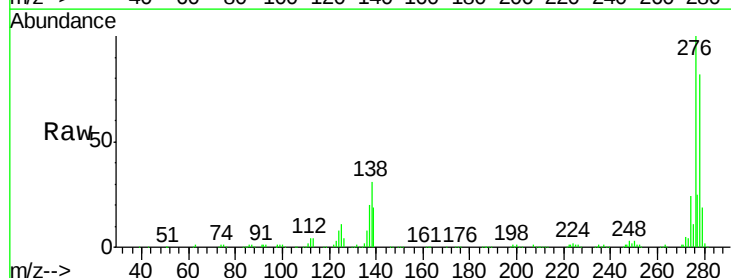
Instrument :  
BNA\_F  
ClientSampleId :  
PB91264BS

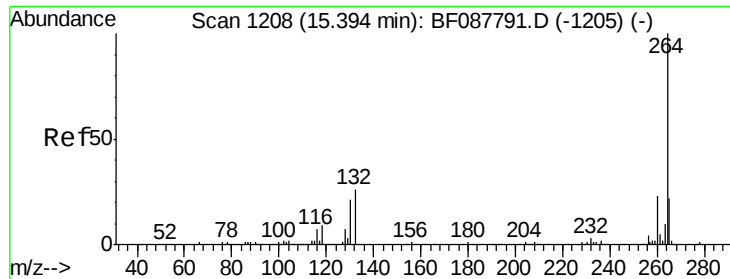
Tgt Ion:149 Resp: 778425  
Ion Ratio Lower Upper  
149 100  
167 1.5 0.0 0.0#  
43 7.9 0.0 0.0#



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 40.87 ng  
RT: 16.47 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BF088185.D  
Acq: 20 Jun 2016 21:51

Tgt Ion:276 Resp: 453229  
Ion Ratio Lower Upper  
276 100  
138 31.7 0.0 0.0#  
277 25.1 0.0 0.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

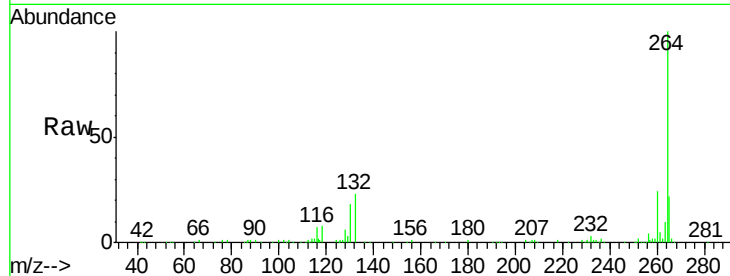
Tgt Ion:264 Resp: 182834

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

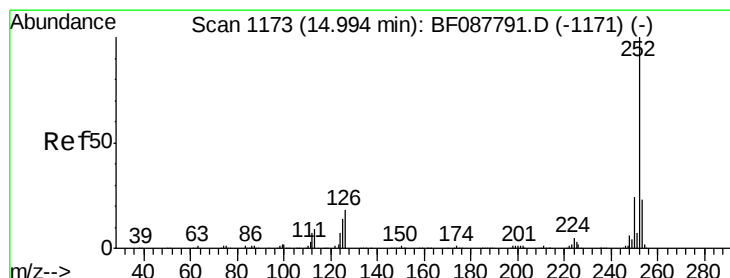
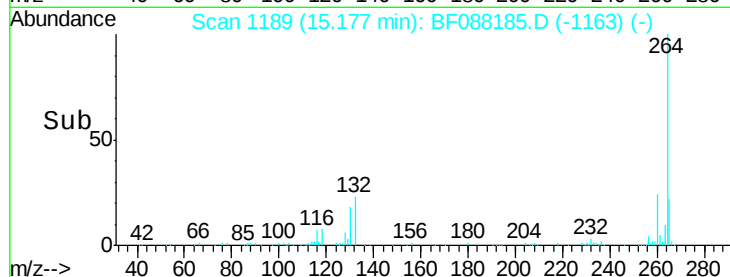
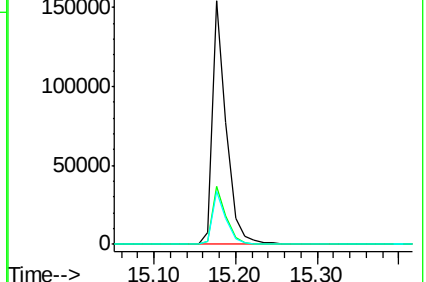
265 21.5 16.9 25.3



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: 36.44 ng m

RT: 14.80 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

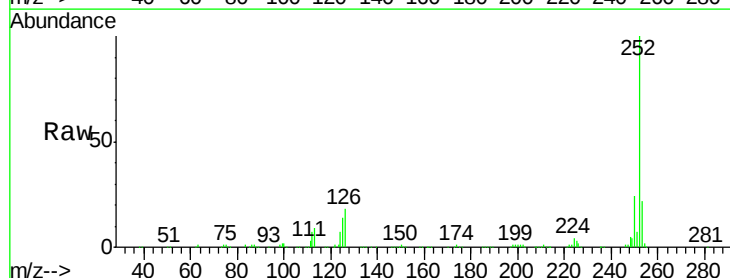
Tgt Ion:252 Resp: 464356

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

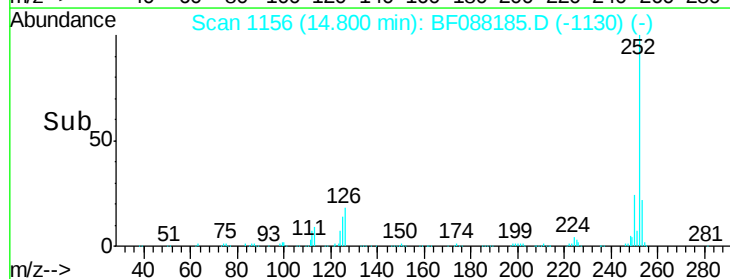
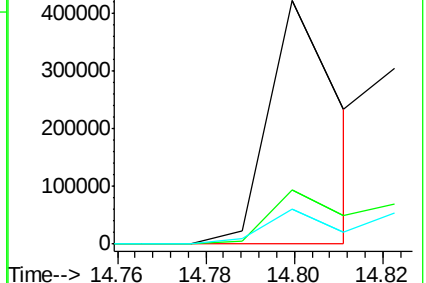
125 14.4 7.1 10.7#

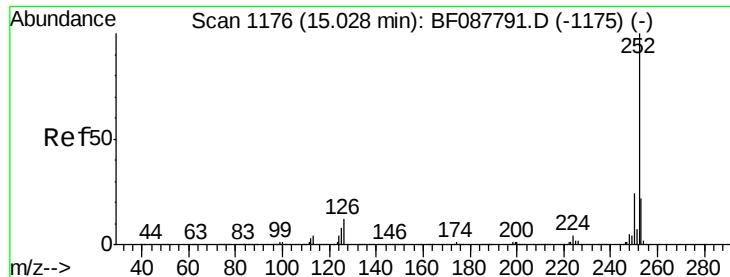


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 50.89 ng m

RT: 14.83 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampled :

PB91264BS

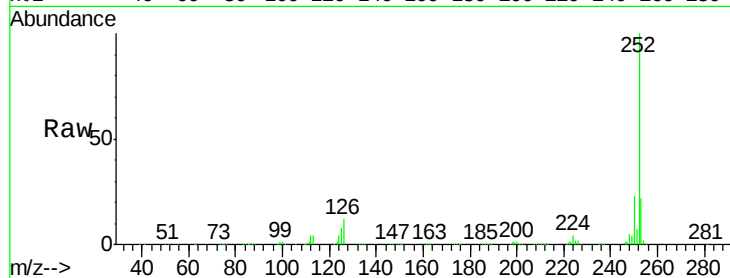
Tgt Ion:252 Resp: 489198

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

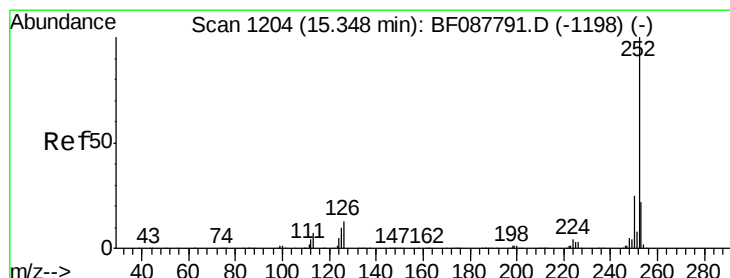
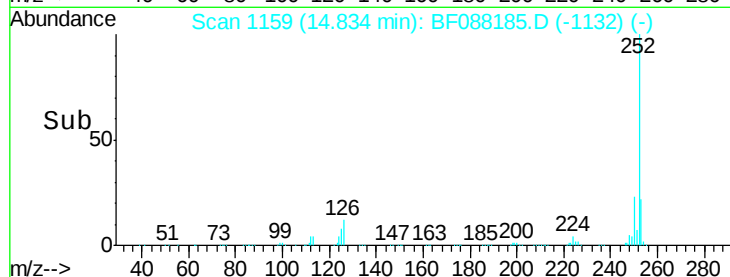
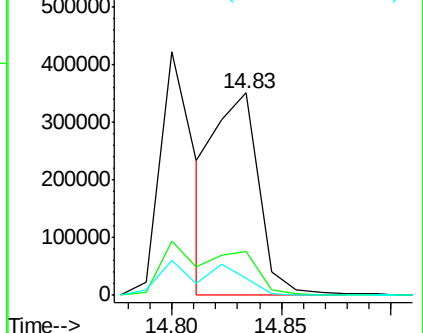
125 8.2 11.2 16.8#



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: 44.57 ng

RT: 15.13 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

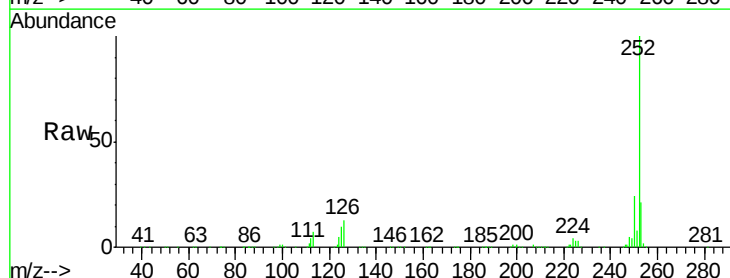
Tgt Ion:252 Resp: 459523

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

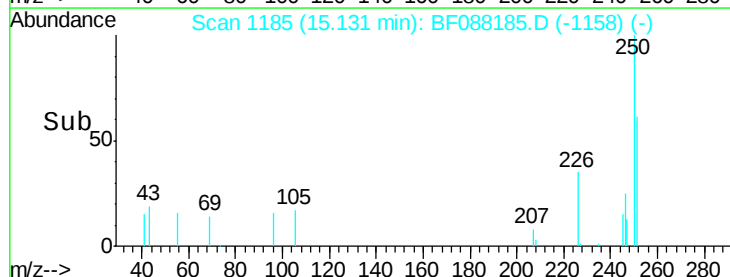
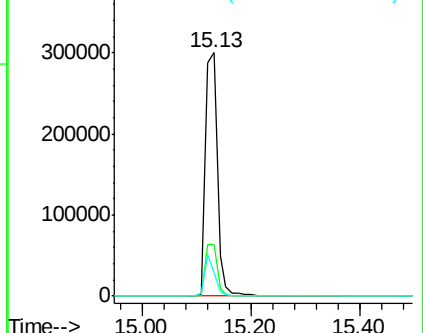
125 9.6 12.5 18.7#



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





#90

Dibenzo(a,h)anthracene

Concen: 39.92 ng

RT: 16.47 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

PB91264BS

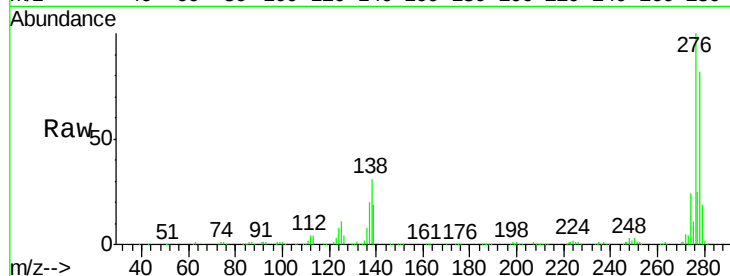
Tgt Ion:278 Resp: 382313

Ion Ratio Lower Upper

278 100

139 23.0 15.7 23.5

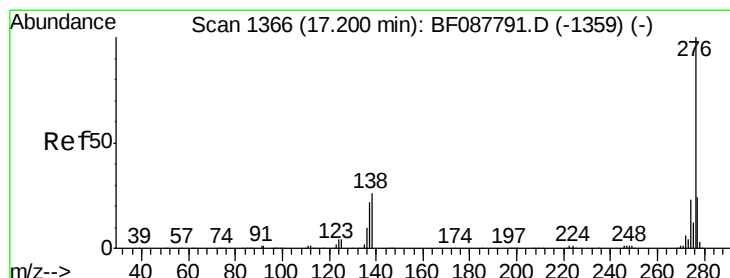
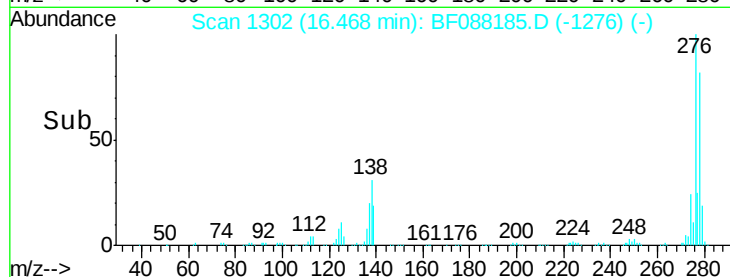
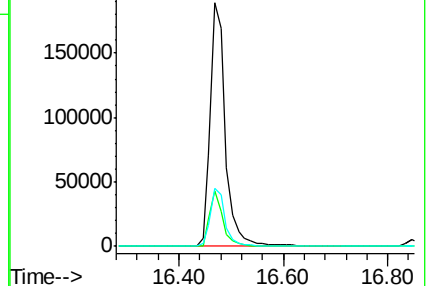
279 23.8 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 41.55 ng

RT: 16.85 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF088185.D

Acq: 20 Jun 2016 21:51

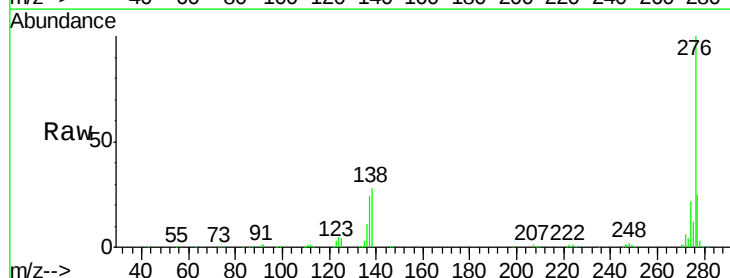
Tgt Ion:276 Resp: 409281

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 28.1 21.4 32.2



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

