

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF010816\  
 Data File : BF084329.D  
 Acq On : 8 Jan 2016 15:50  
 Operator : SJ/UM  
 Sample : PB87668BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Quant Time: Jan 08 22:12:58 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 254067   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.14  | 136  | 1085572  | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.90  | 164  | 510462   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.38 | 188  | 943168   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 14.02 | 240  | 703757   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.45 | 264  | 580044   | 20.00 | ng    | -0.06    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 1278639 | 81.40 | ng | -0.02 |
| 7) Phenol-d6             | 6.50  | 99  | 1766716 | 89.56 | ng | -0.03 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 1520398 | 77.95 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 448174  | 86.96 | ng | -0.05 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 2607662 | 90.26 | ng | -0.03 |
| 78) Terphenyl-d14        | 12.97 | 244 | 2384097 | 75.62 | ng | -0.05 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.54 | 88  | 258340  | 34.72 | ng | # 76   |
| 3) Pyridine                    | 3.25 | 79  | 742970  | 35.81 | ng | # 71   |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 429014  | 40.29 | ng | # 78   |
| 6) Aniline                     | 6.52 | 93  | 502103  | 17.40 | ng | # 56   |
| 8) 2-Chlorophenol              | 6.65 | 128 | 794743  | 44.60 | ng | 97     |
| 9) Benzaldehyde                | 6.40 | 77  | 167348  | 13.03 | ng | 94     |
| 10) Phenol                     | 6.52 | 94  | 880628  | 39.26 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.60 | 93  | 738892  | 42.52 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 745660  | 40.56 | ng | # 94   |
| 13) 1,4-Dichlorobenzene        | 6.88 | 146 | 786367  | 42.66 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 656948  | 37.21 | ng | 94     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 611384  | 36.84 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45  | 1178077 | 37.23 | ng | 85     |
| 17) 2-Methylphenol             | 7.13 | 107 | 660893  | 44.25 | ng | 94     |
| 18) Hexachloroethane           | 7.37 | 117 | 293476  | 39.81 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 517519  | 38.75 | ng | # 70   |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 698686  | 39.80 | ng | # 60   |
| 22) Acetophenone               | 7.28 | 105 | 1049646 | 40.21 | ng | # 89   |
| 24) Nitrobenzene               | 7.45 | 77  | 891461  | 45.06 | ng | 97     |
| 25) Isophorone                 | 7.69 | 82  | 1506578 | 40.39 | ng | 98     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 404383  | 44.91 | ng | # 74   |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 711694  | 39.05 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 934133  | 41.00 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 640089  | 42.16 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 663190  | 42.32 | ng | 96     |
| 31) Naphthalene                | 8.17 | 128 | 2036940 | 41.36 | ng | 98     |
| 32) Benzoic acid               | 7.93 | 122 | 320180  | 30.00 | ng | 97     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 194103  | 8.60  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.28 | 225 | 355624  | 39.47 | ng | 98     |
| 35) Caprolactam                | 8.59 | 113 | 122839  | 24.00 | ng | # 43   |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 751394  | 44.19 | ng | 94     |
| 37) 2-Methylnaphthalene        | 8.86 | 142 | 1429182 | 40.42 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 574892  | 39.17 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 9.01 | 237 | 664551  | 75.02 | ng | 97     |

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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

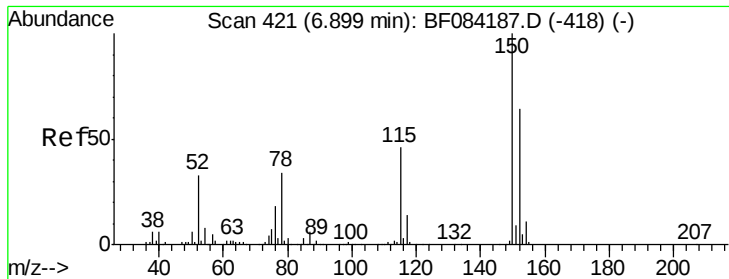
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Quant Time: Jan 08 22:12:58 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.14  | 196  | 423530   | 38.58 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 9.18  | 196  | 427684   | 40.63 | ng    | # 86     |
| 45) 1,1'-Biphenyl              | 9.32  | 154  | 1510879  | 37.24 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 1189633  | 37.33 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 500074   | 47.55 | ng    | 94       |
| 48) Acenaphthylene             | 9.77  | 152  | 2040107  | 43.33 | ng    | 98       |
| 49) Dimethylphthalate          | 9.63  | 163  | 1458092  | 39.96 | ng    | # 90     |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 306991   | 38.36 | ng    | # 48     |
| 51) Acenaphthene               | 9.94  | 154  | 1479803  | 46.86 | ng    | 97       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 218910   | 22.07 | ng    | # 80     |
| 53) 2,4-Dinitrophenol          | 9.96  | 184  | 258229   | 75.93 | ng    | # 86     |
| 54) Dibenzofuran               | 10.11 | 168  | 1801818  | 43.99 | ng    | 95       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 496327   | 68.94 | ng    | # 74     |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 464592   | 45.86 | ng    | # 79     |
| 57) Fluorene                   | 10.45 | 166  | 1429771  | 45.22 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 339173   | 37.74 | ng    | 96       |
| 59) Diethylphthalate           | 10.33 | 149  | 1441726  | 40.07 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204  | 605900   | 45.49 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 365610   | 41.35 | ng    | 94       |
| 62) Azobenzene                 | 10.60 | 77   | 1641215  | 41.59 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 225047   | 39.06 | ng    | 91       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 1283177  | 42.55 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.93 | 248  | 426432   | 42.01 | ng    | # 88     |
| 67) Hexachlorobenzene          | 10.99 | 284  | 439151   | 38.43 | ng    | # 76     |
| 68) Atrazine                   | 11.09 | 200  | 391841   | 39.71 | ng    | 98       |
| 69) Pentachlorophenol          | 11.20 | 266  | 470126   | 79.35 | ng    | 98       |
| 70) Phenanthrene               | 11.41 | 178  | 2159497  | 43.77 | ng    | 96       |
| 71) Anthracene                 | 11.46 | 178  | 1899393  | 39.27 | ng    | 98       |
| 72) Carbazole                  | 11.62 | 167  | 1888100  | 39.93 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 2142235  | 41.87 | ng    | # 95     |
| 74) Fluoranthene               | 12.59 | 202  | 2078625  | 40.33 | ng    | 98       |
| 76) Benzidine                  | 12.72 | 184  | 634643   | 25.15 | ng    | 99       |
| 77) Pyrene                     | 12.82 | 202  | 2128509  | 38.54 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 999359   | 41.82 | ng    | 95       |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 1671277  | 40.44 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 349536   | 24.24 | ng    | # 94     |
| 82) Chrysene                   | 14.05 | 228  | 1726213  | 43.47 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 1203943  | 39.88 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 2205623  | 43.27 | ng    | # 89     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.84 | 276  | 1316714  | 41.83 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 2970345  | 78.28 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 2972077  | 95.78 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 1350563  | 41.96 | ng    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 1081223  | 39.04 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.27 | 276  | 1093917  | 38.14 | ng    | 99       |

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



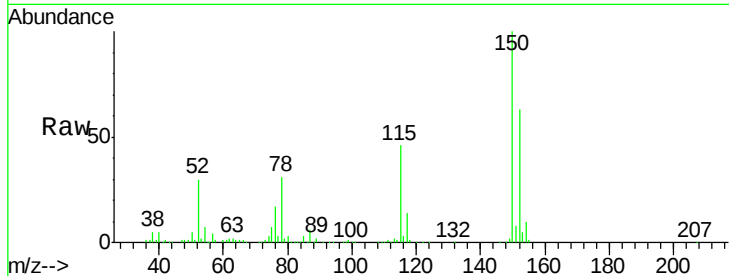


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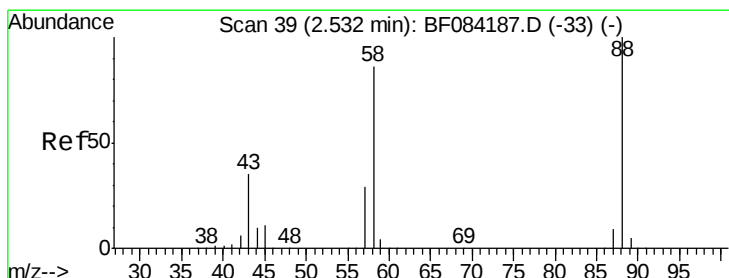
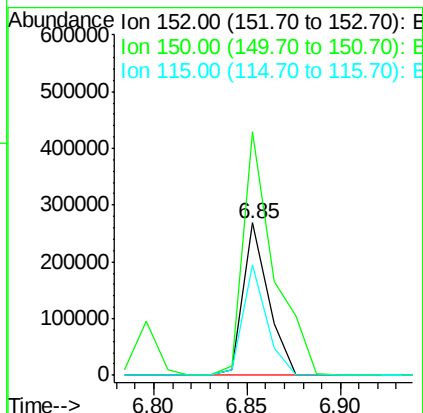
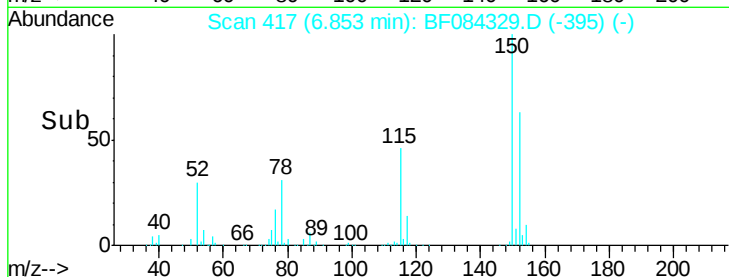
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 417  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Instrument :  
BNA\_F  
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Tgt Ion:152 Resp: 254067  
Ion Ratio Lower Upper  
152 100  
150 159.5 123.0 184.4  
115 72.8 51.4 77.2



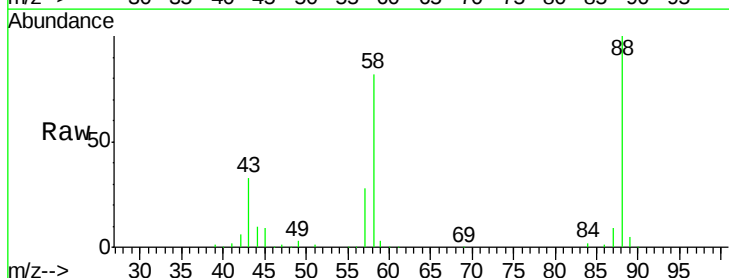
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



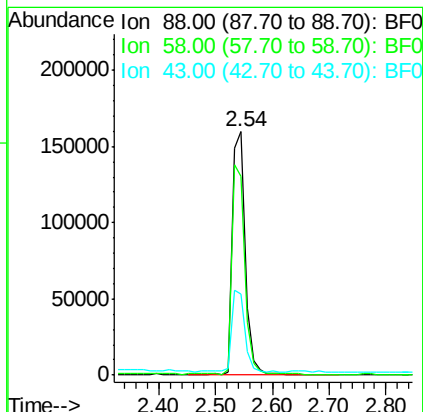
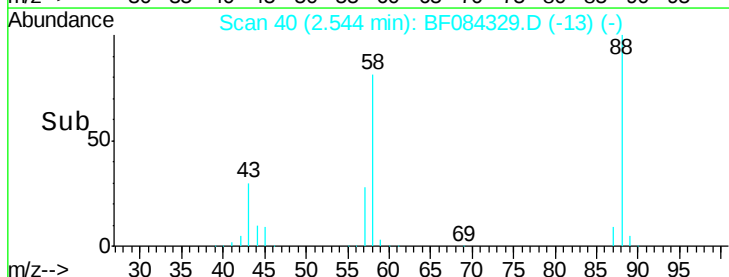
#2

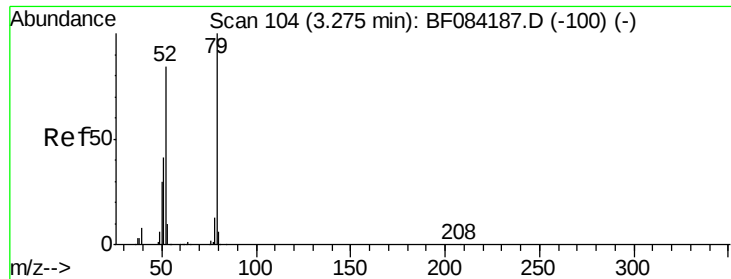
1,4-Dioxane  
Concen: 34.72 ng  
RT: 2.54 min Scan# 40  
Delta R.T. 0.01 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion: 88 Resp: 258340  
Ion Ratio Lower Upper  
88 100  
58 83.5 51.2 76.8#  
43 34.4 19.5 29.3#



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: 35.81 ng

RT: 3.25 min Scan# 102

Delta R.T. -0.02 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

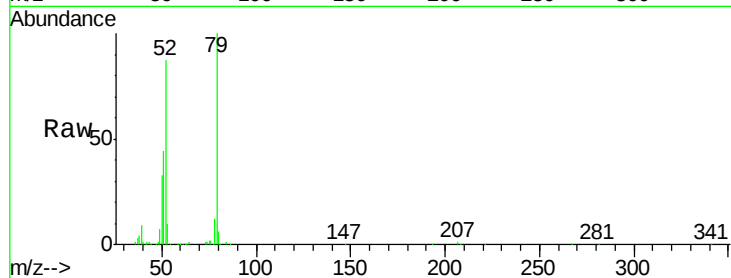
Tgt Ion: 79 Resp: 742970

Ion Ratio Lower Upper

79 100

52 86.6 49.0 73.4#

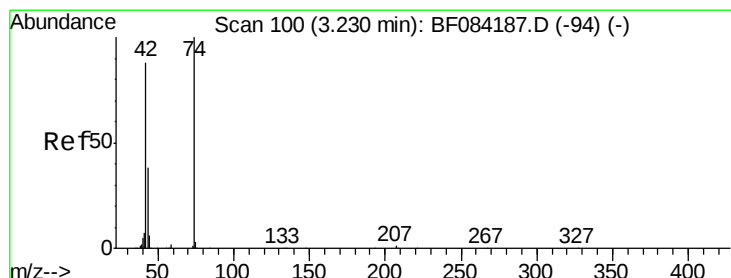
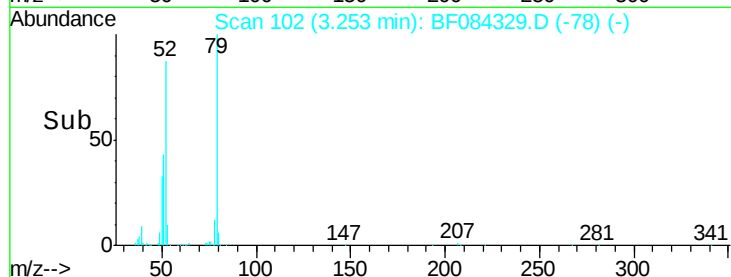
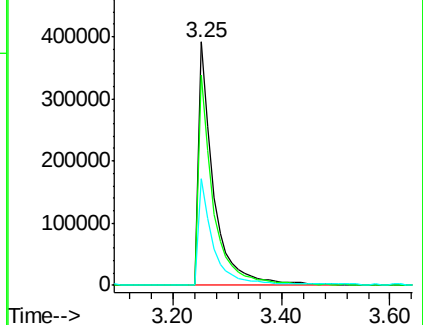
51 43.7 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 40.29 ng

RT: 3.22 min Scan# 99

Delta R.T. -0.01 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

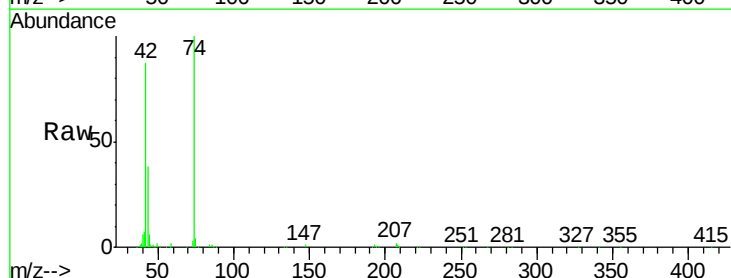
Tgt Ion: 42 Resp: 429014

Ion Ratio Lower Upper

42 100

74 115.6 115.7 173.5#

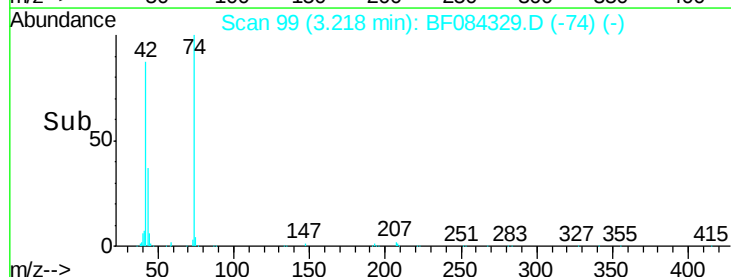
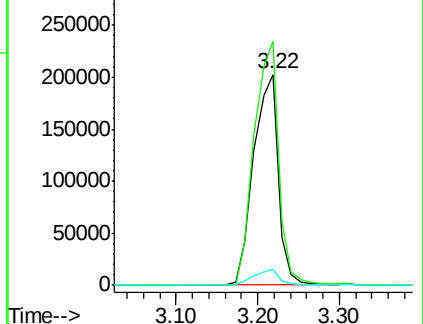
44 7.2 5.1 7.7

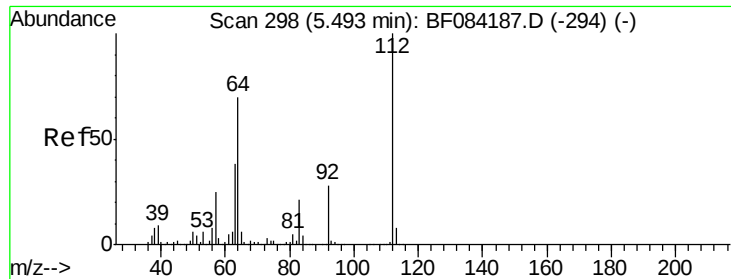


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 81.40 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

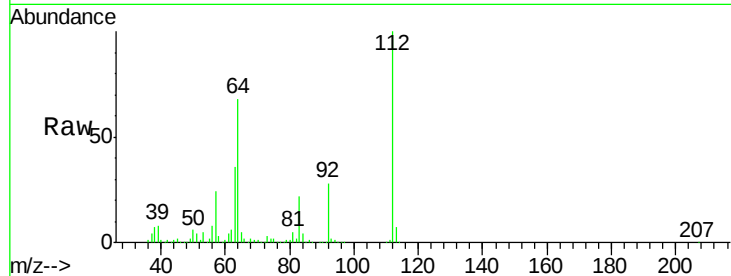
Tgt Ion: 112 Resp: 1278639

Ion Ratio Lower Upper

112 100

64 67.8 36.6 55.0#

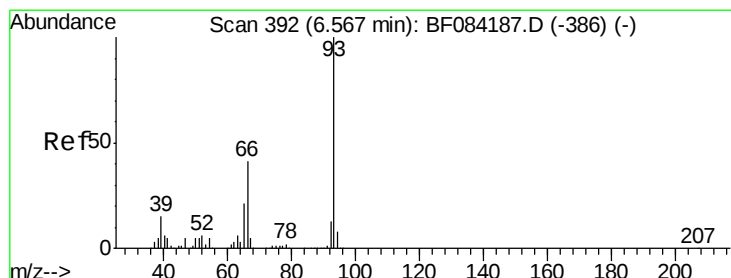
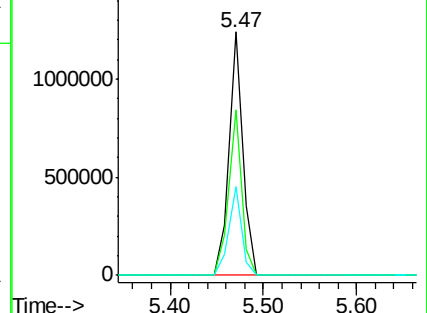
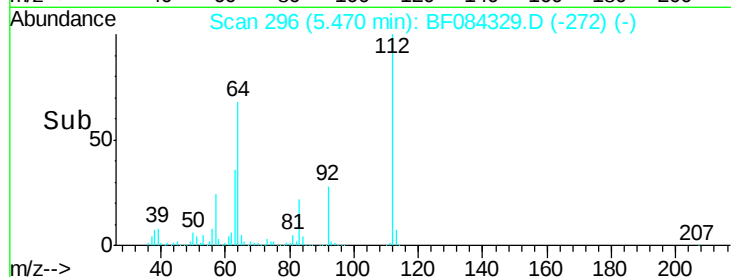
63 36.3 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.40 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

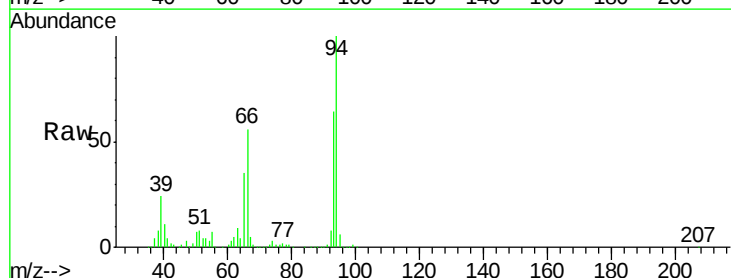
Tgt Ion: 93 Resp: 502103

Ion Ratio Lower Upper

93 100

66 86.9 44.9 67.3#

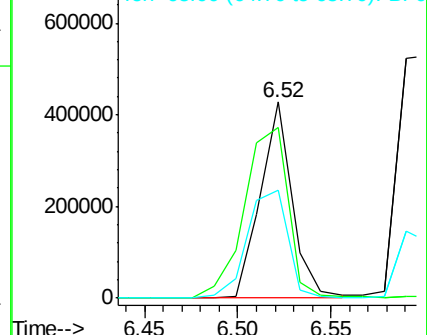
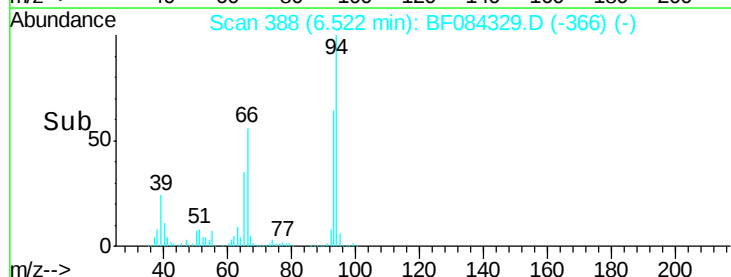
65 55.3 23.7 35.5#

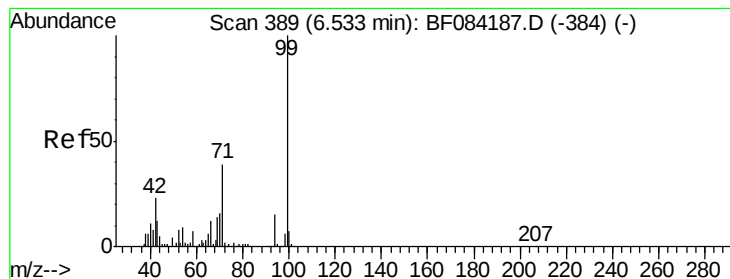


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 89.56 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

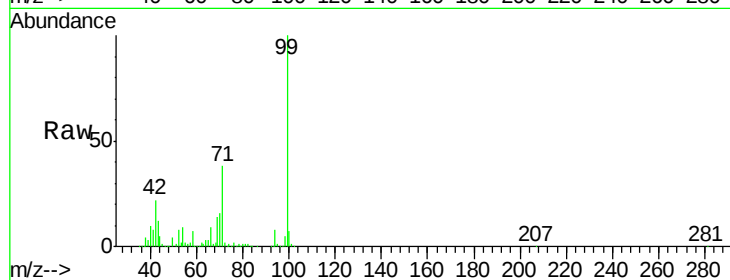
BNA\_F

ClientSampleId :

PB87668BS

Tgt Ion: 99 Resp: 1766716

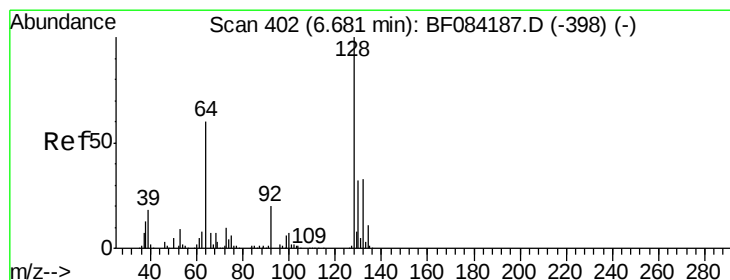
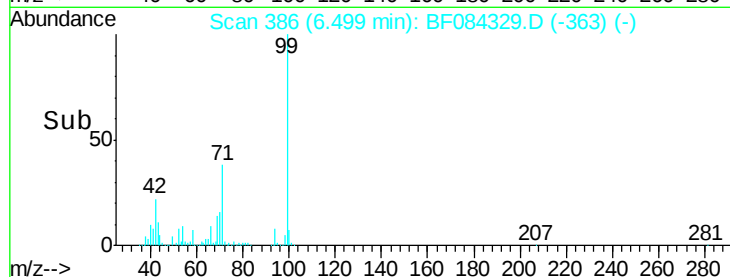
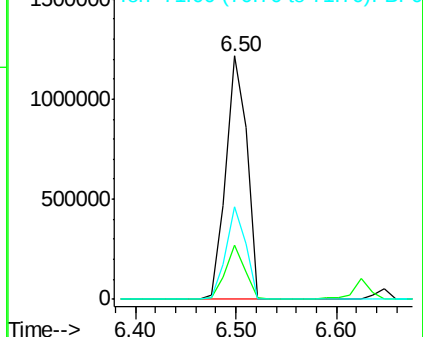
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.2  | 12.8  | 19.2# |
| 71  | 38.1  | 30.9  | 46.3  |



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: 44.60 ng

RT: 6.65 min Scan# 399

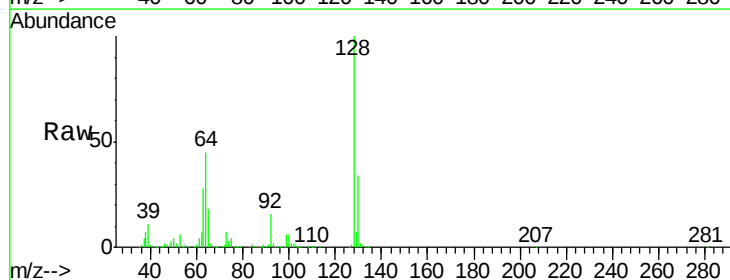
Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion: 128 Resp: 794743

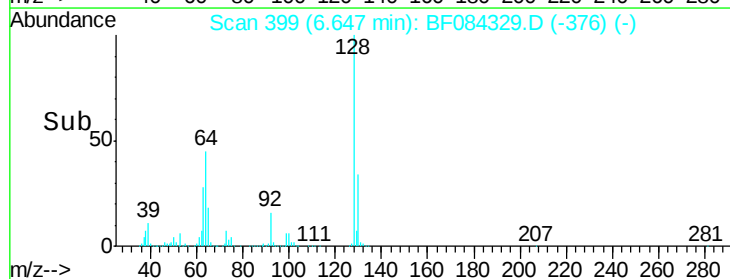
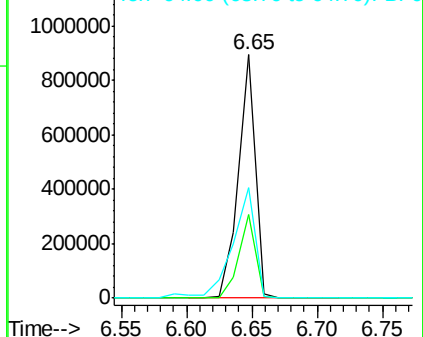
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.2  | 11.6  | 51.6  |
| 64  | 45.1  | 23.8  | 63.8  |

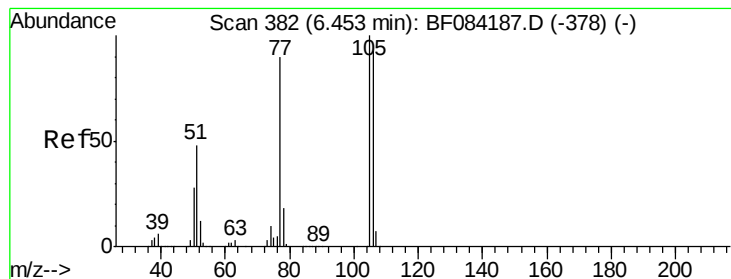


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 13.03 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.06 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

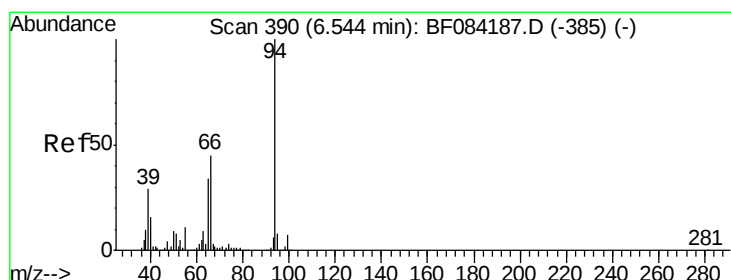
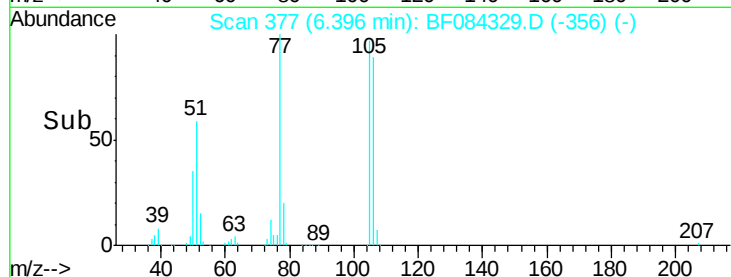
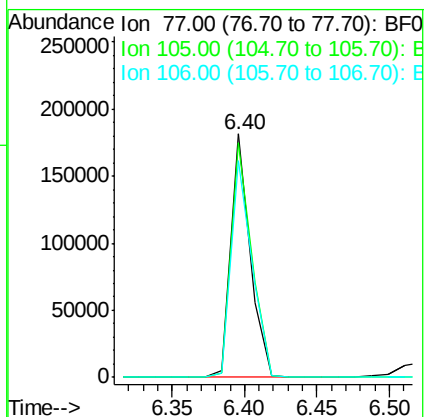
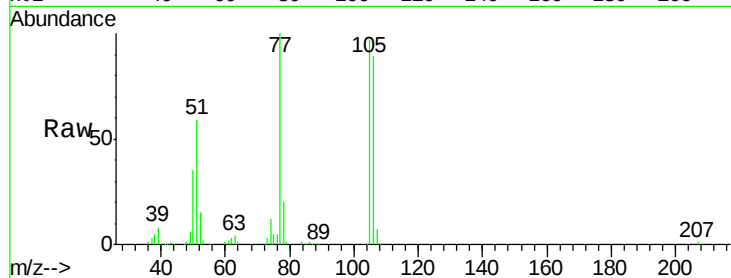
Tgt Ion: 77 Resp: 167348

Ion Ratio Lower Upper

77 100

105 96.5 83.0 123.0

106 89.2 74.6 114.6



#10

Phenol

Concen: 39.26 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

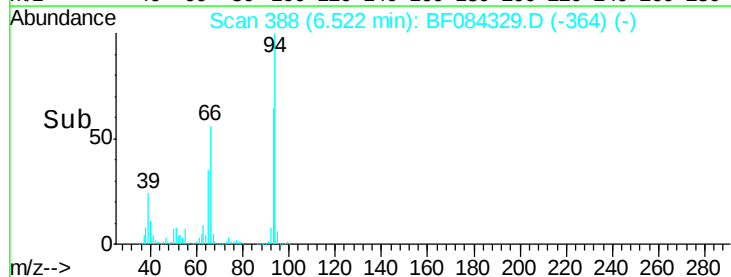
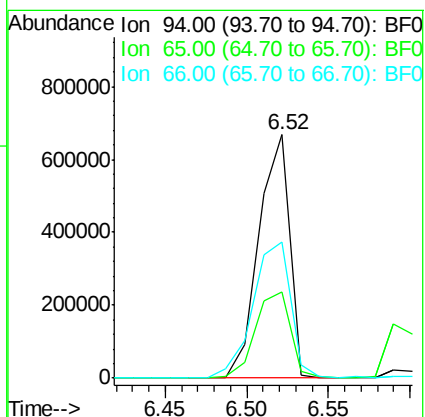
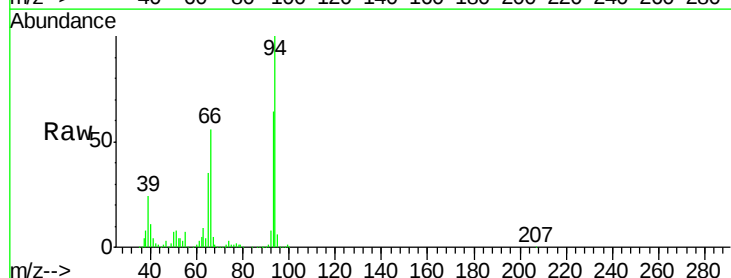
Tgt Ion: 94 Resp: 880628

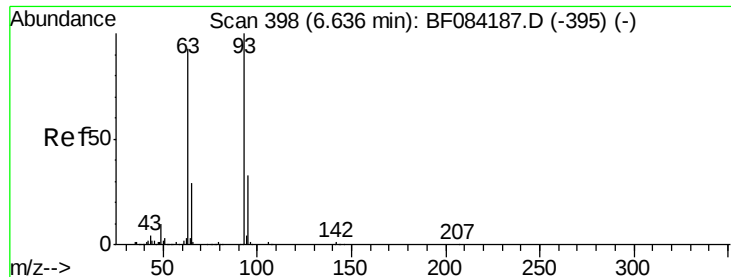
Ion Ratio Lower Upper

94 100

65 35.4 12.9 52.9

66 55.6 32.7 72.7

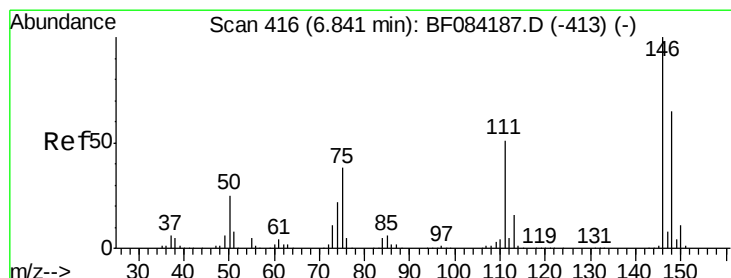
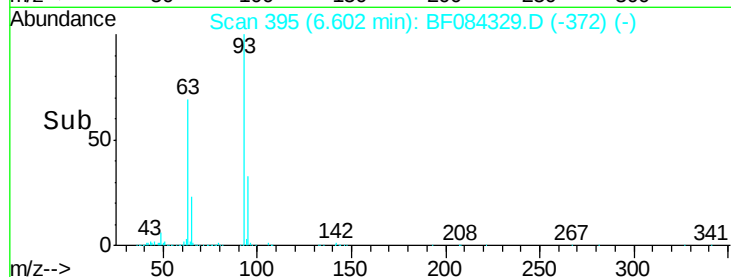
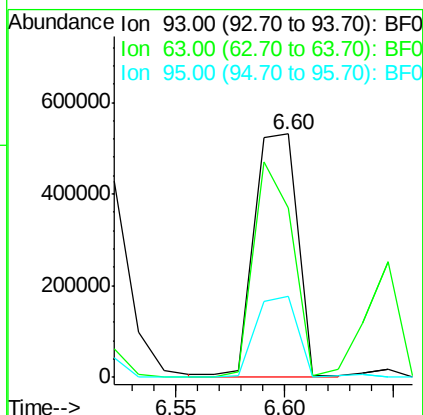
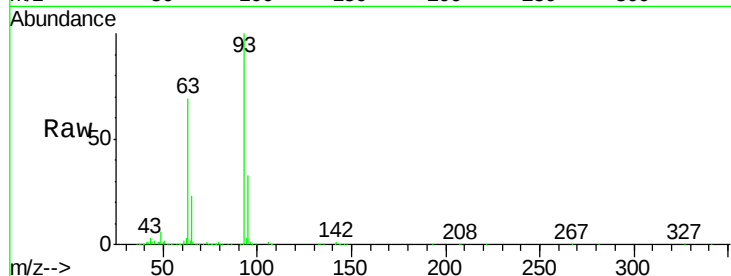




#11  
bis(2-Chloroethyl)ether  
Concen: 42.52 ng  
RT: 6.60 min Scan# 395  
Delta R.T. -0.03 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

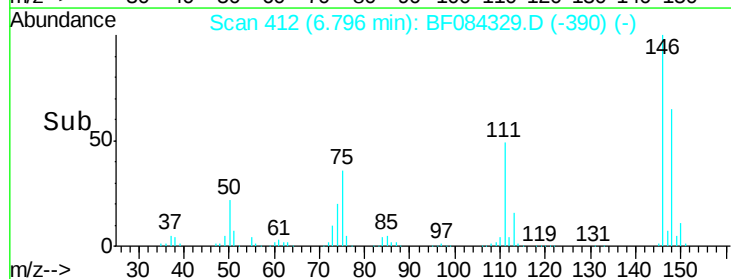
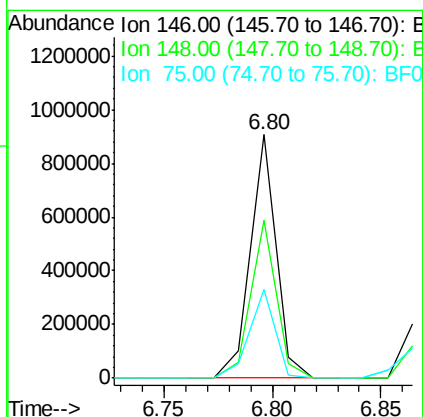
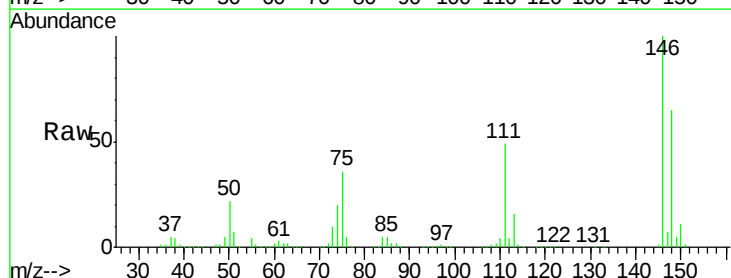
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

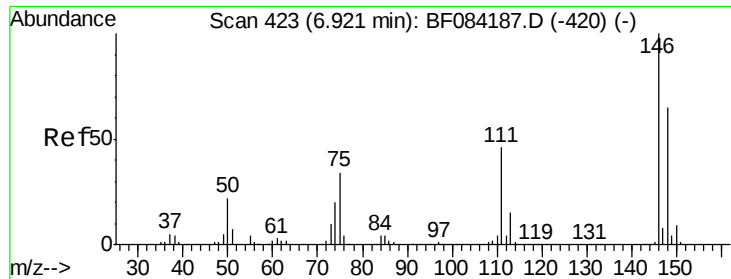
Tgt Ion: 93 Resp: 738892  
Ion Ratio Lower Upper  
93 100  
63 69.5 45.9 85.9  
95 33.1 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 40.56 ng  
RT: 6.80 min Scan# 412  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion: 146 Resp: 745660  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.9 77.9  
75 36.4 20.5 30.7#

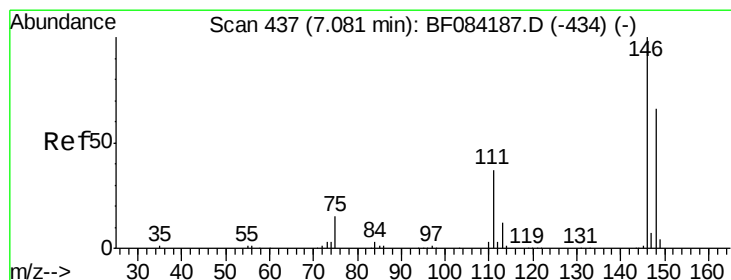
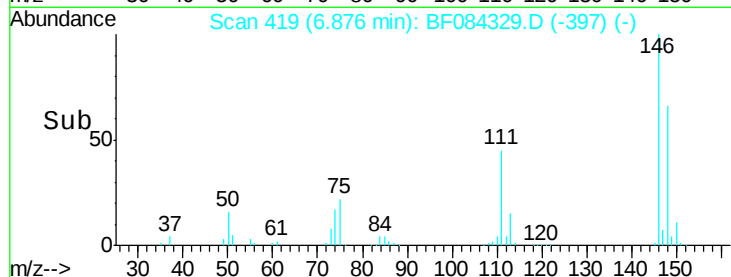
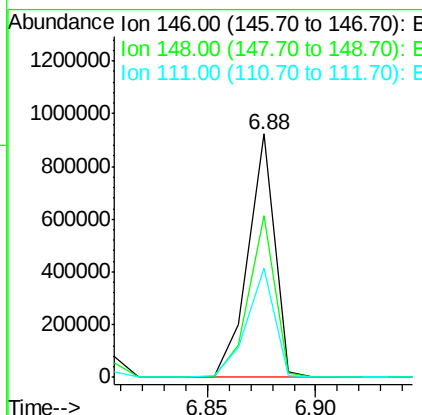
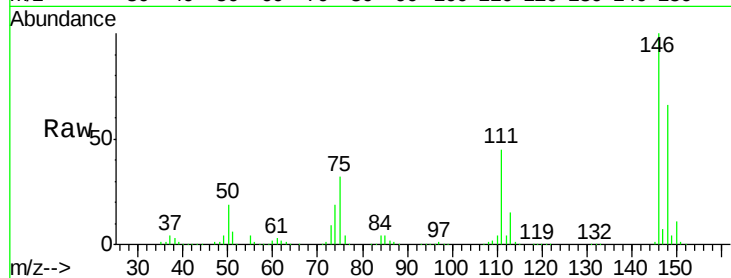




#13  
 1,4-Dichlorobenzene  
 Concen: 42.66 ng  
 RT: 6.88 min Scan# 419  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

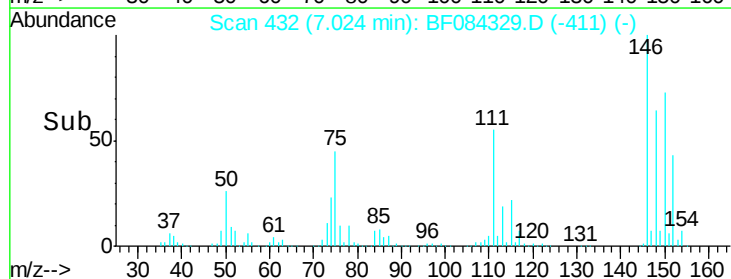
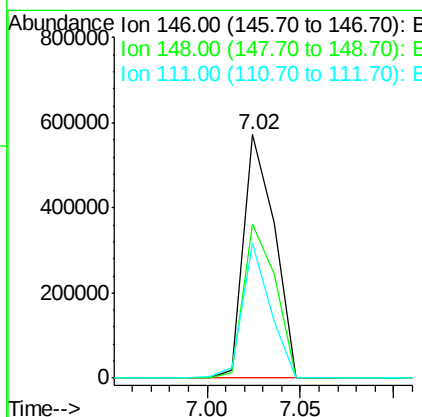
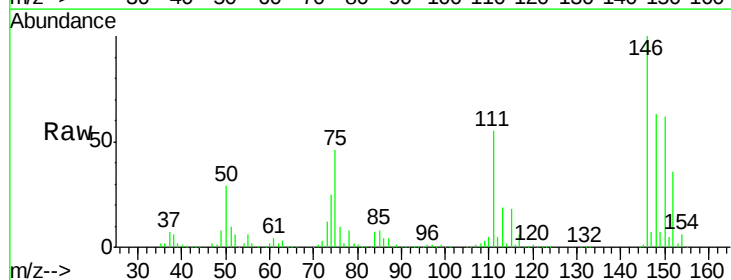
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Tgt Ion:146 Resp: 786367  
 Ion Ratio Lower Upper  
 146 100  
 148 66.3 51.9 77.9  
 111 44.8 41.6 62.4



#14  
 1,2-Dichlorobenzene  
 Concen: 37.21 ng  
 RT: 7.02 min Scan# 432  
 Delta R.T. -0.06 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:146 Resp: 656948  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 51.6 77.4  
 111 55.4 38.0 57.0





#15

Benzyl Alcohol

Concen: 36.84 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

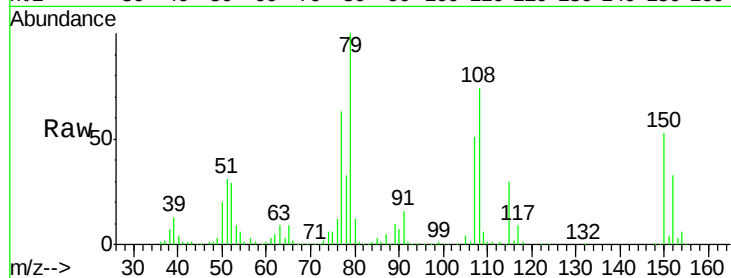
Tgt Ion: 79 Resp: 611384

Ion Ratio Lower Upper

79 100

108 73.7 69.0 103.4

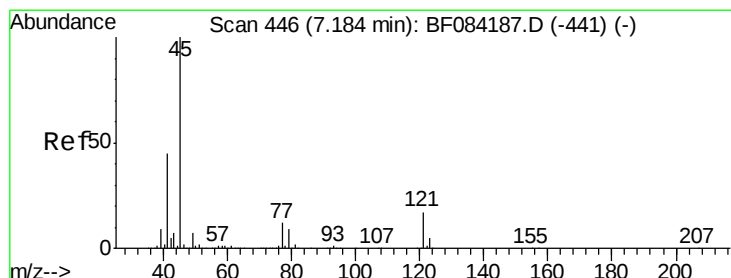
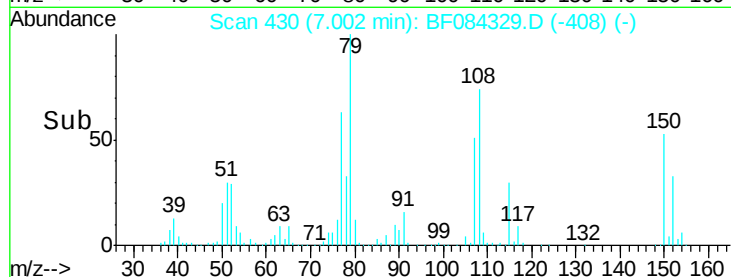
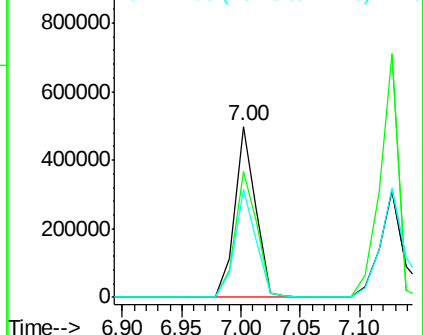
77 63.0 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.23 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

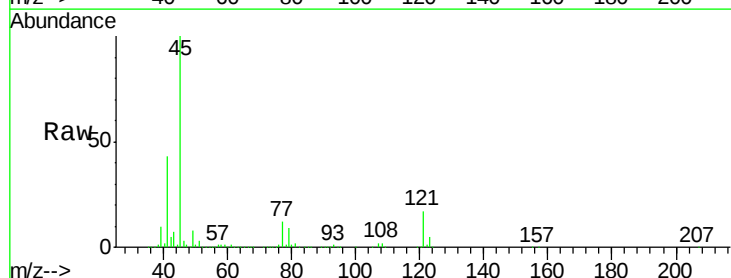
Tgt Ion: 45 Resp: 1178077

Ion Ratio Lower Upper

45 100

77 12.2 0.0 39.6

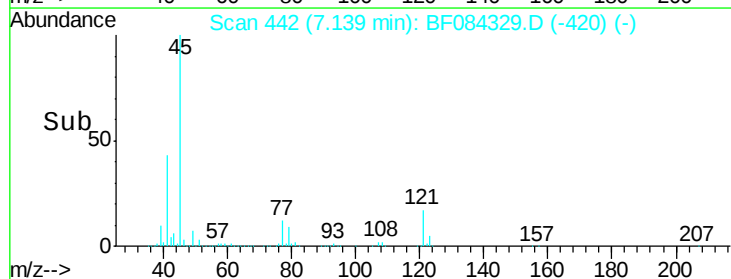
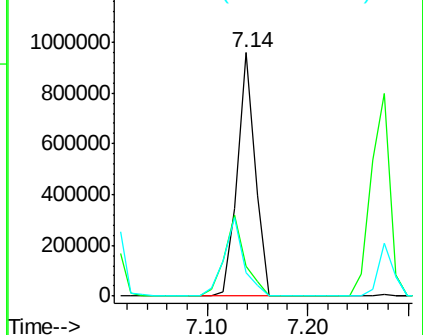
79 9.5 0.0 35.0

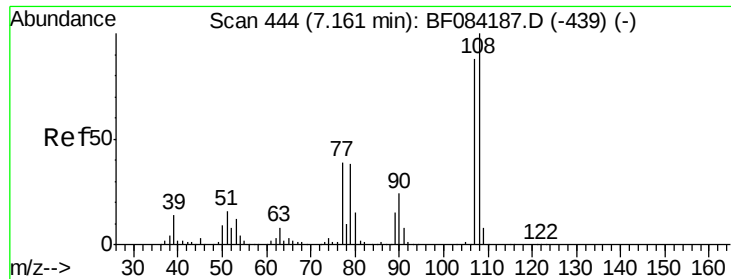


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

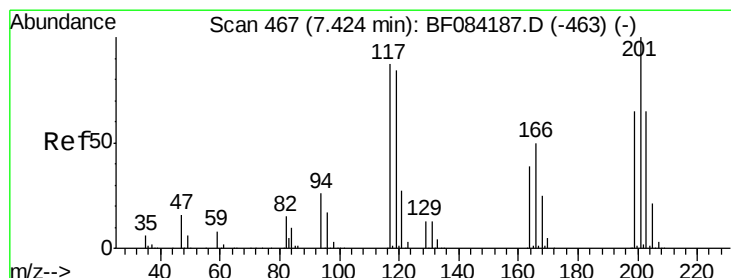
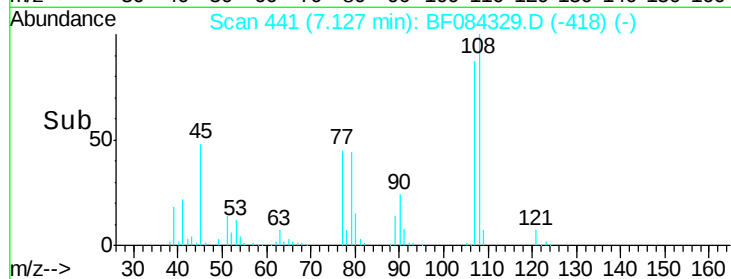
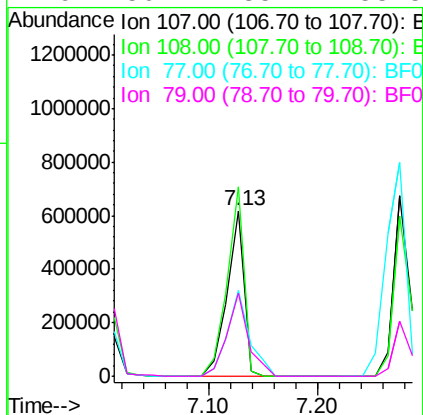
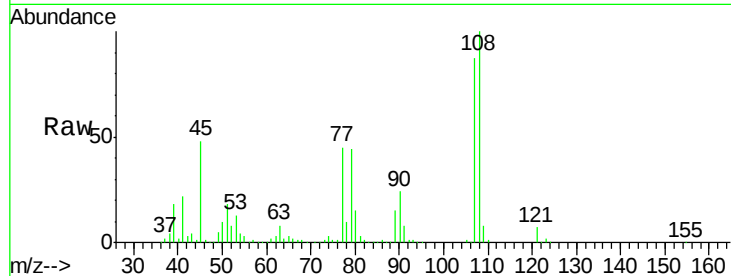




#17  
2-Methylphenol  
Concen: 44.25 ng  
RT: 7.13 min Scan# 441  
Delta R.T. -0.03 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

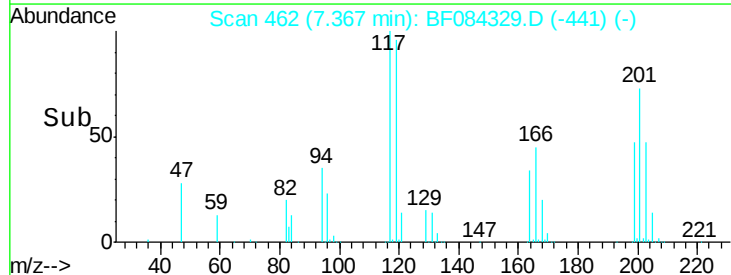
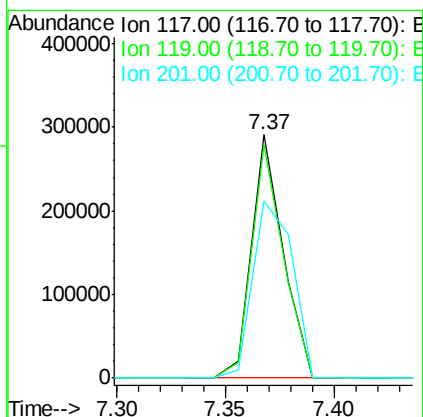
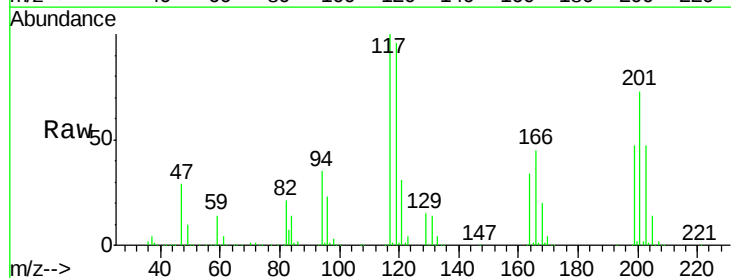
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

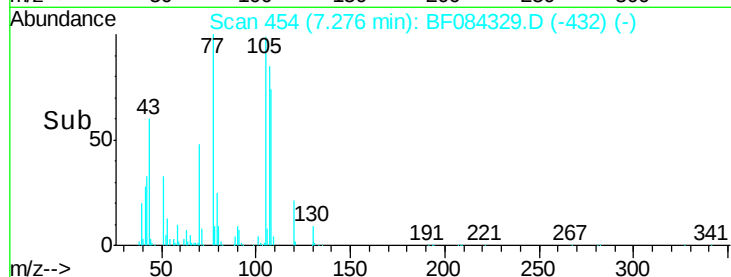
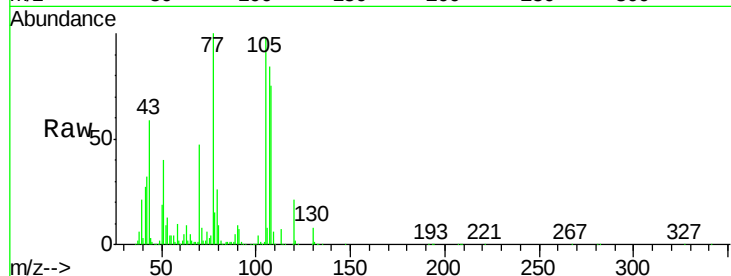
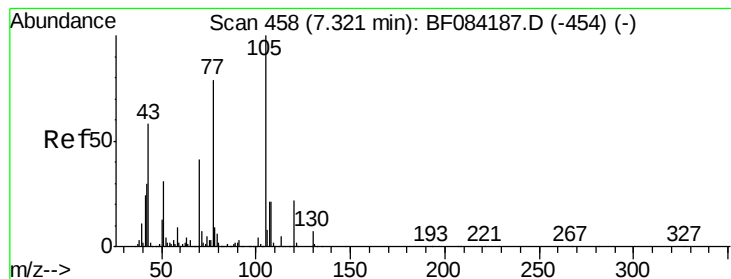
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 660893 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.9 | 89.8  | 134.6  |
| 77       | 51.8  | 35.7  | 53.5   |
| 79       | 50.1  | 35.7  | 53.5   |



#18  
Hexachloroethane  
Concen: 39.81 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.06 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 293476 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.8  | 77.4  | 116.0  |
| 201      | 73.0  | 68.6  | 103.0  |





#19

n-Nitroso-di-n-propylamine

Concen: 38.75 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

Tgt Ion: 70 Resp: 517519

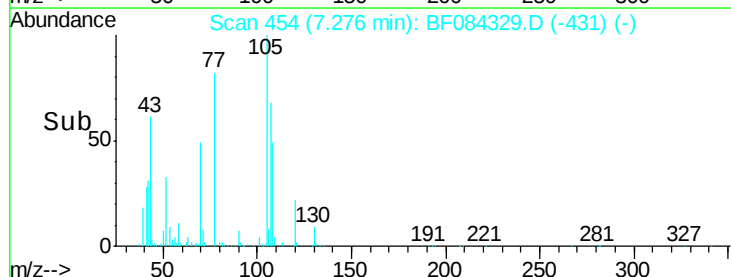
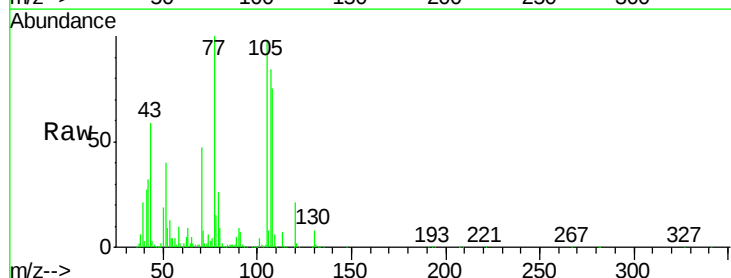
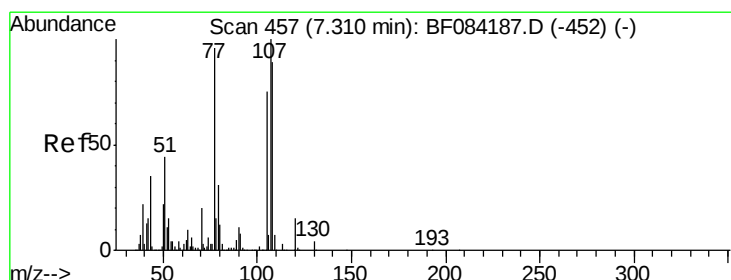
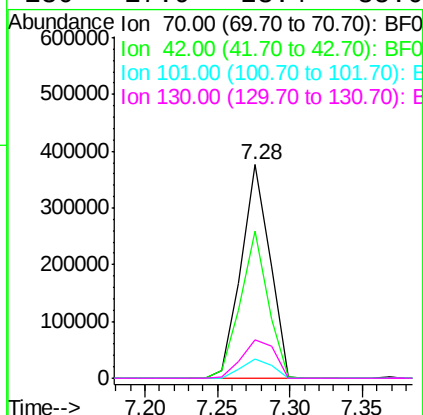
Ion Ratio Lower Upper

70 100

42 68.8 33.3 49.9#

101 9.0 9.3 13.9#

130 17.9 23.4 35.0#



#20

3+4-Methylphenols

Concen: 39.80 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion: 107 Resp: 698686

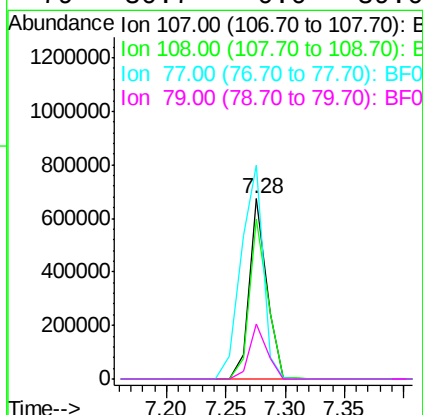
Ion Ratio Lower Upper

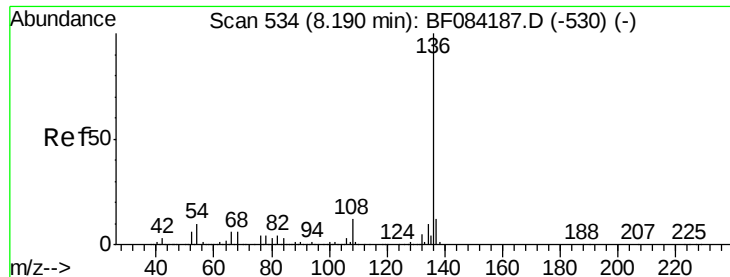
107 100

108 88.8 74.6 114.6

77 118.6 0.7 40.7#

79 30.7 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

Tgt Ion:136 Resp: 1085572

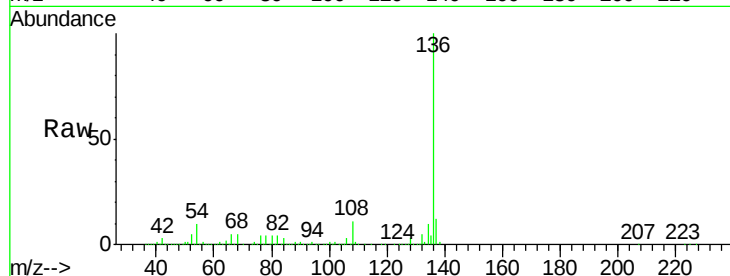
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 9.6 5.8 8.8#

68 5.4 4.2 6.2

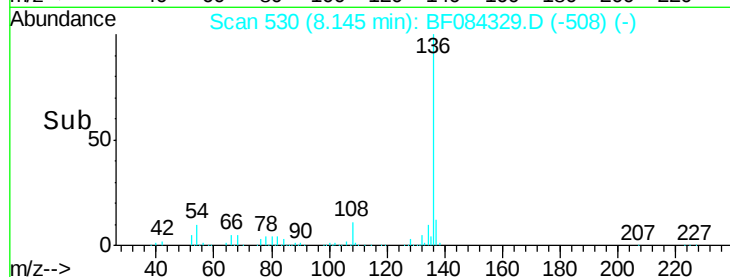


Abundance Ion 136.00 (135.70 to 136.70): E

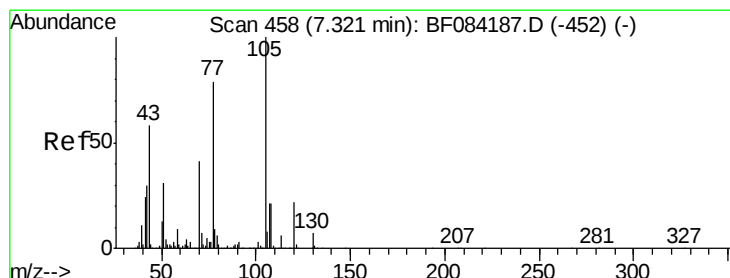
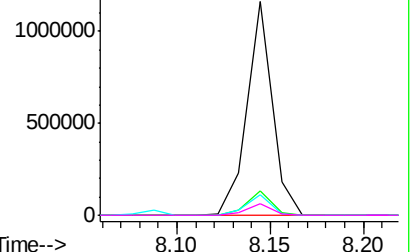
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 40.21 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion:105 Resp: 1049646

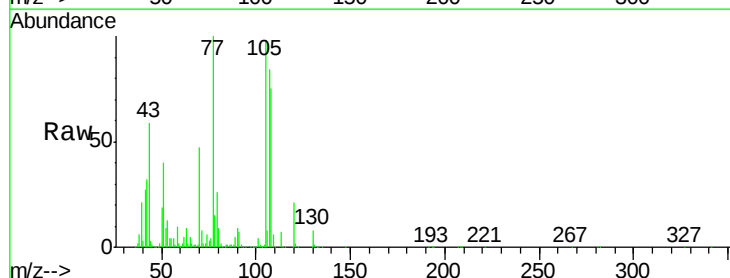
Ion Ratio Lower Upper

105 100

71 8.3 3.7 5.5#

51 41.1 25.1 37.7#

120 21.6 16.6 25.0

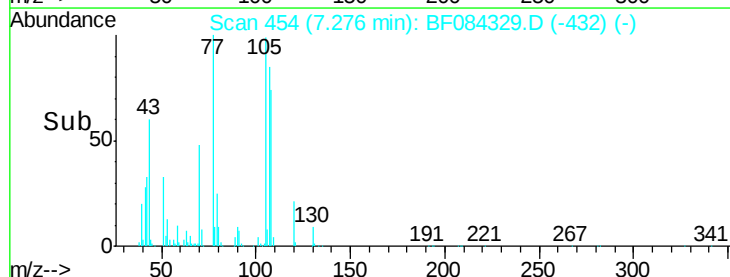


Abundance Ion 105.00 (104.70 to 105.70): E

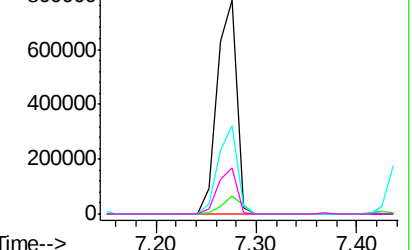
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

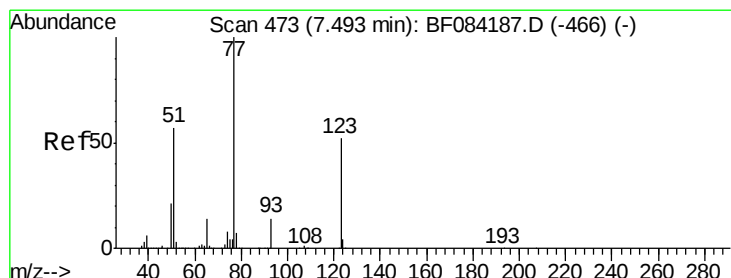
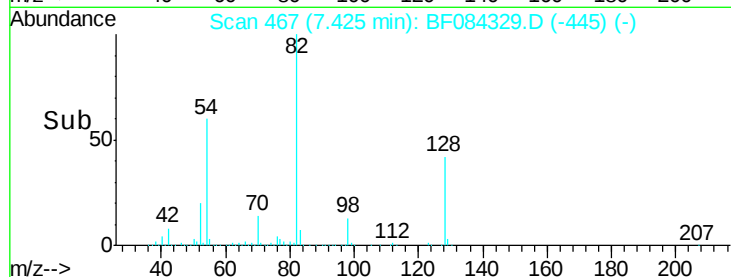
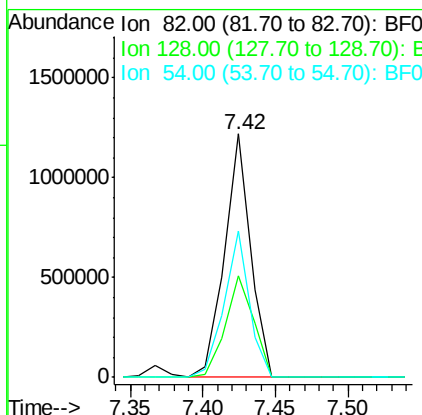
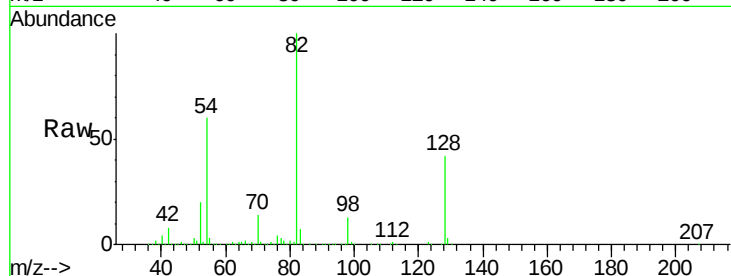




#23  
 Nitrobenzene-d5  
 Concen: 77.95 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

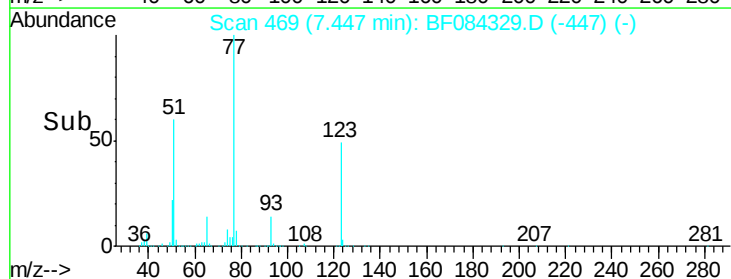
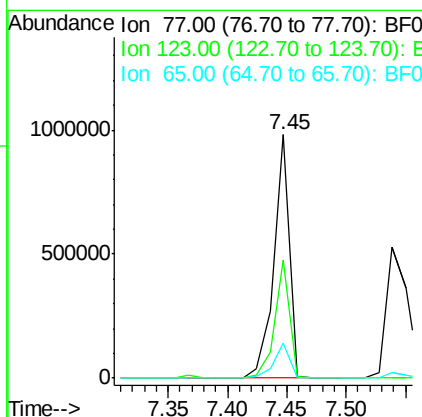
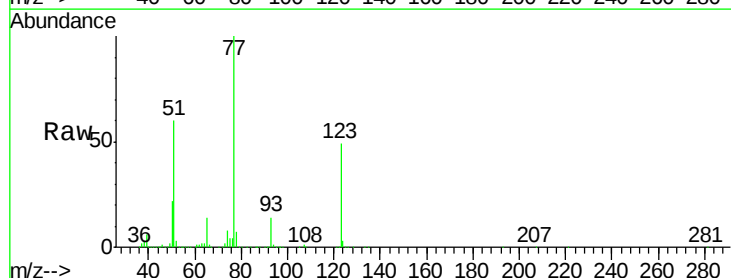
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

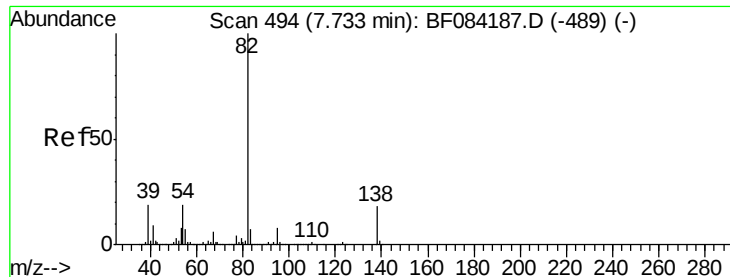
Tgt Ion: 82 Resp: 1520398  
 Ion Ratio Lower Upper  
 82 100  
 128 41.9 34.6 51.8  
 54 60.0 38.4 57.6#



#24  
 Nitrobenzene  
 Concen: 45.06 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion: 77 Resp: 891461  
 Ion Ratio Lower Upper  
 77 100  
 123 48.5 37.4 56.2  
 65 14.5 10.9 16.3





#25

Isophorone

Concen: 40.39 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

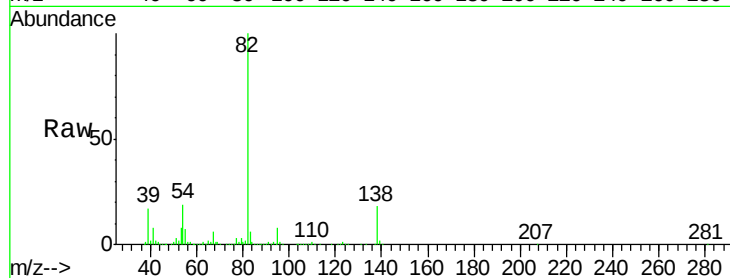
Tgt Ion: 82 Resp: 1506578

Ion Ratio Lower Upper

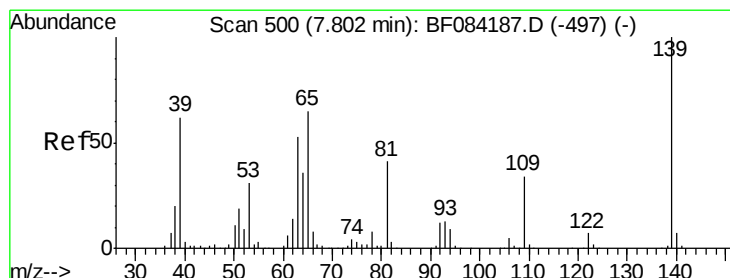
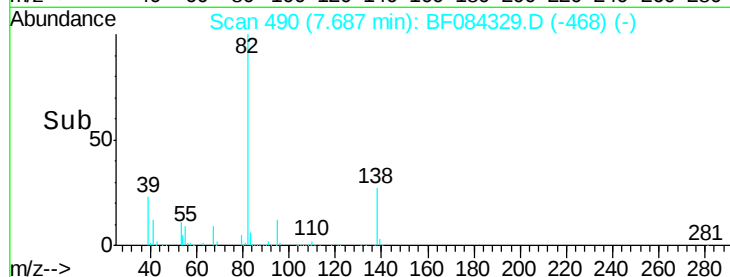
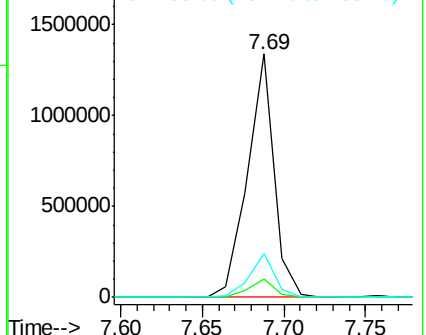
82 100

95 7.8 6.6 10.0

138 18.1 13.6 20.4



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



#26

2-Nitrophenol

Concen: 44.91 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

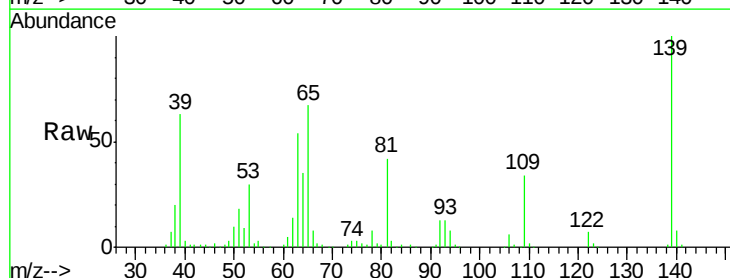
Tgt Ion: 139 Resp: 404383

Ion Ratio Lower Upper

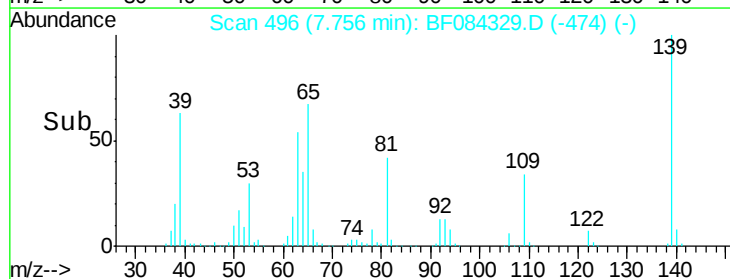
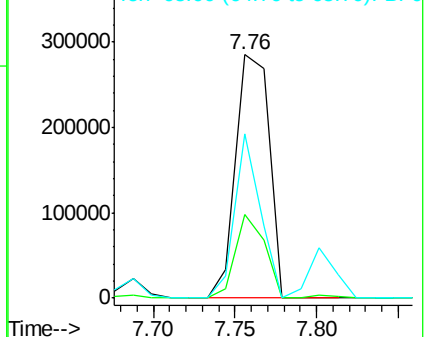
139 100

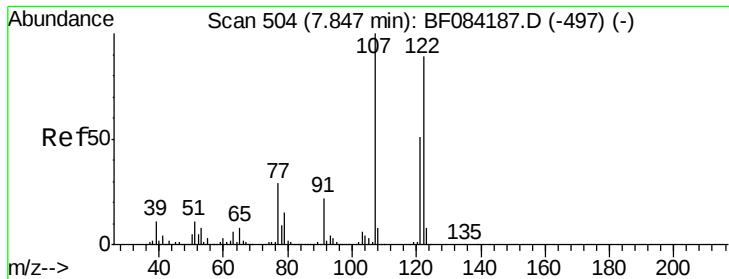
109 34.3 25.4 38.2

65 67.3 32.3 48.5#



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





#27

2,4-Dimethylphenol

Concen: 39.05 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

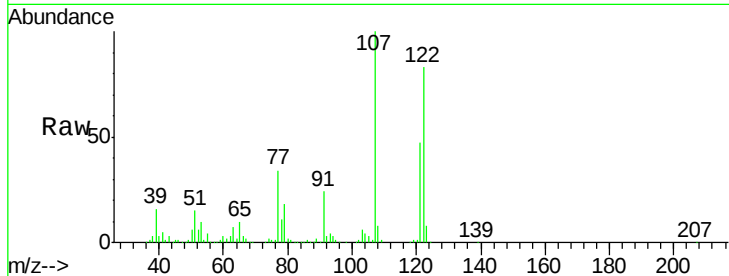
Tgt Ion:122 Resp: 711694

Ion Ratio Lower Upper

122 100

107 120.4 99.1 148.7

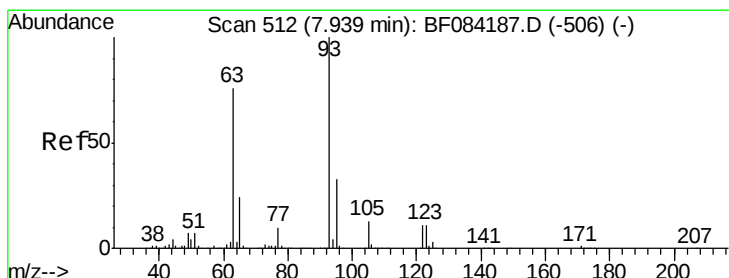
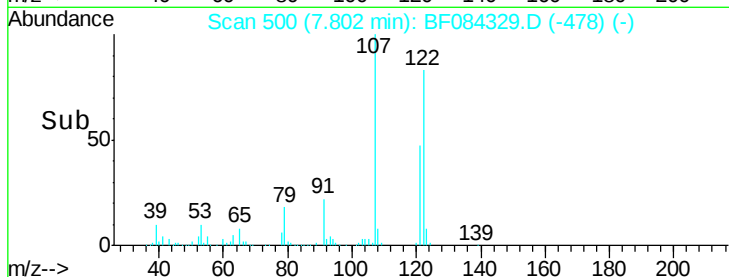
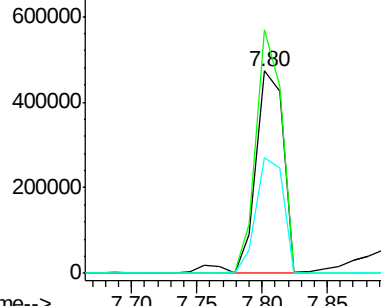
121 57.0 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.00 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

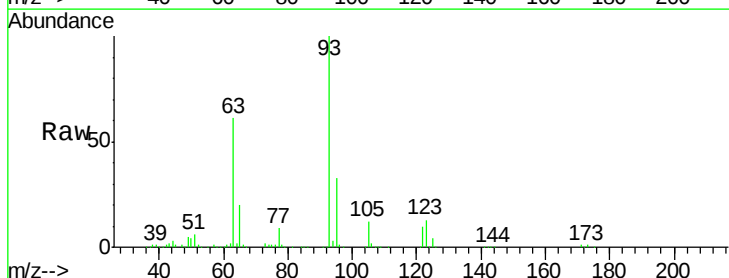
Tgt Ion: 93 Resp: 934133

Ion Ratio Lower Upper

93 100

95 32.9 25.8 38.6

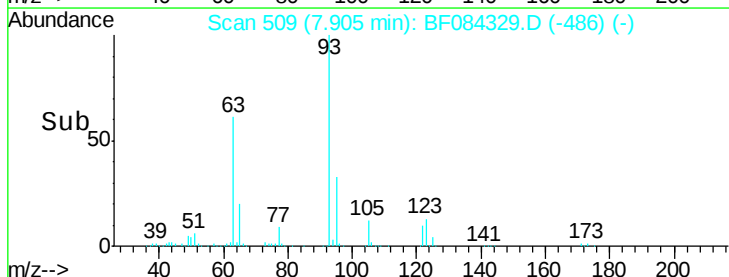
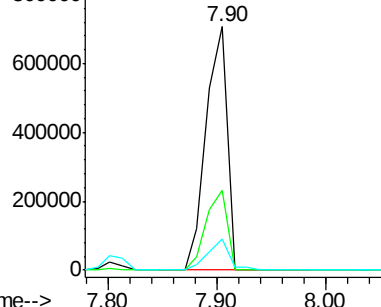
123 12.9 8.6 12.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 42.16 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

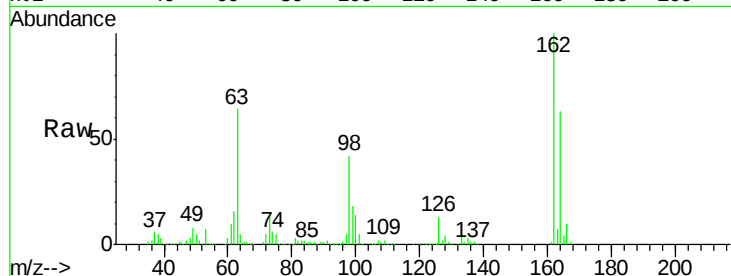
Tgt Ion:162 Resp: 640089

Ion Ratio Lower Upper

162 100

164 63.3 44.1 84.1

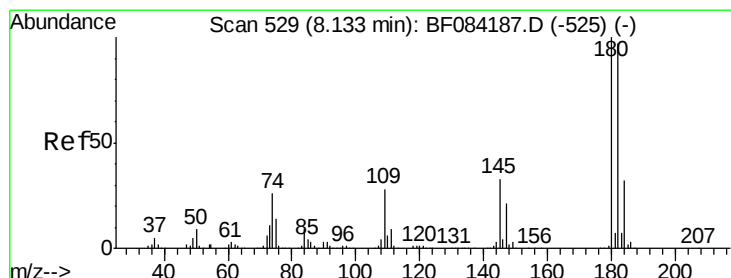
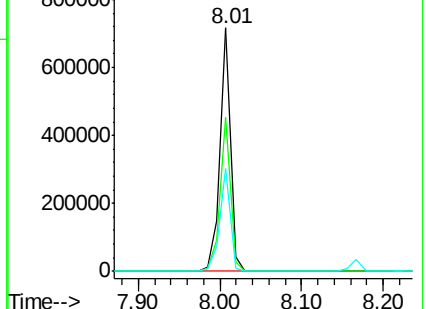
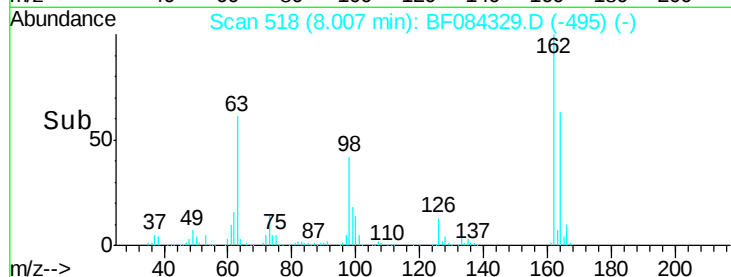
98 42.1 20.2 60.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 42.32 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

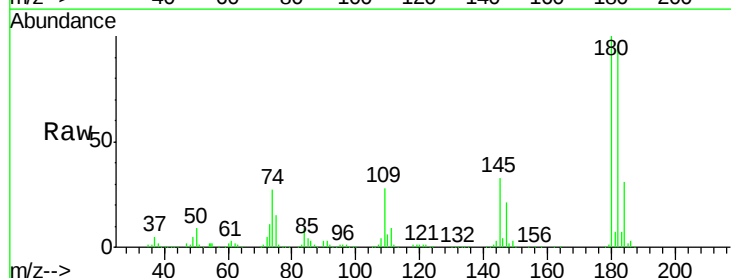
Tgt Ion:180 Resp: 663190

Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

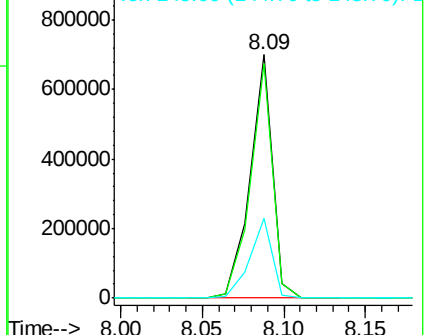
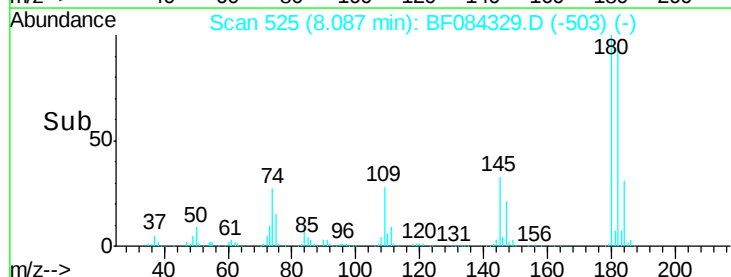
145 32.6 31.6 47.4

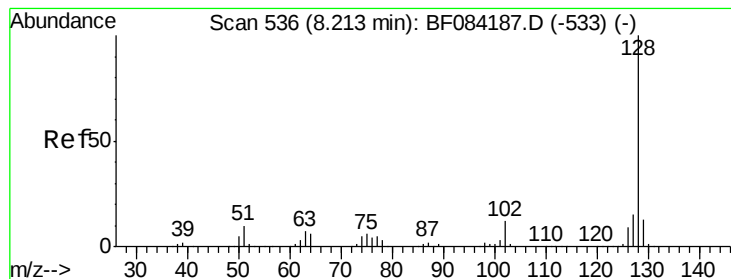


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.36 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

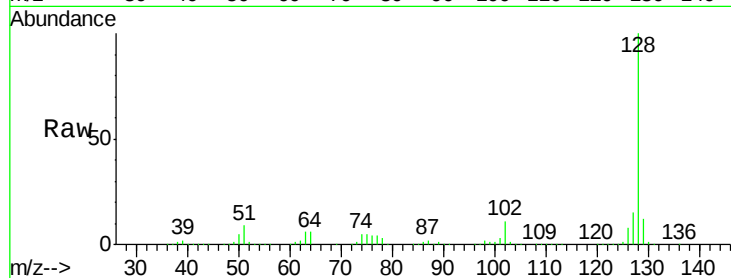
Tgt Ion:128 Resp: 2036940

Ion Ratio Lower Upper

128 100

129 12.3 9.1 13.7

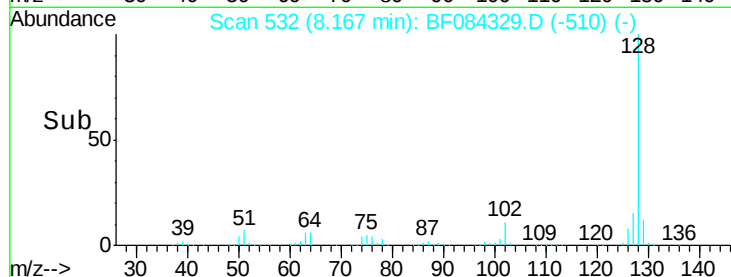
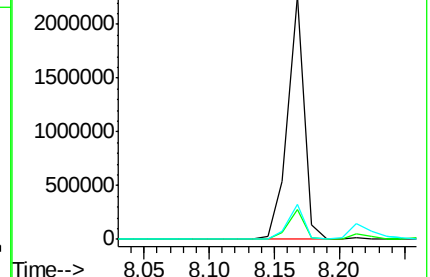
127 14.5 11.1 16.7



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: 30.00 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

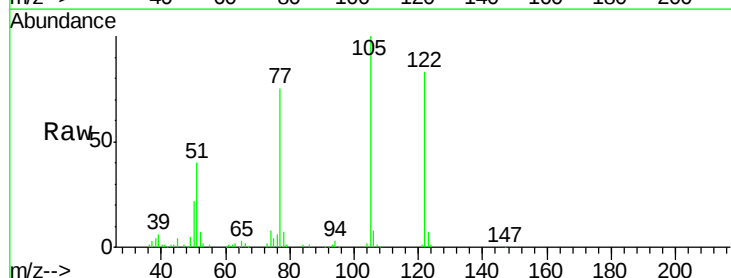
Tgt Ion:122 Resp: 320180

Ion Ratio Lower Upper

122 100

105 119.9 100.3 140.3

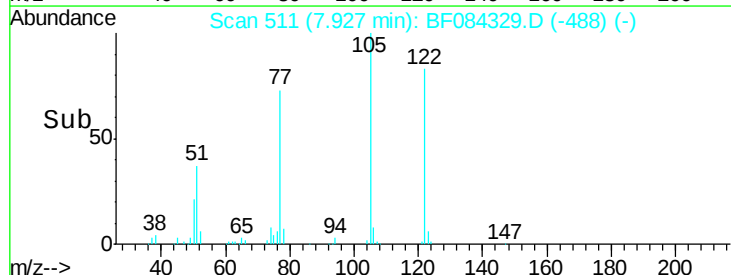
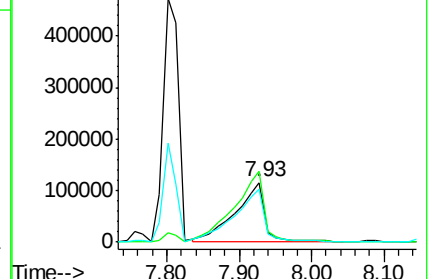
77 90.1 63.5 103.5

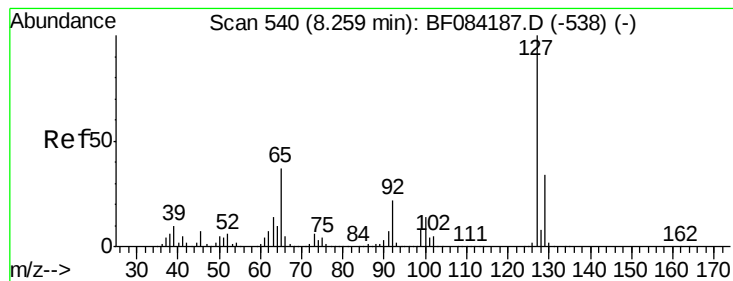


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 8.60 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

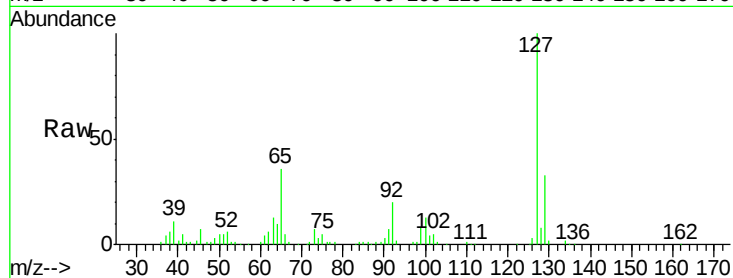
Instrument :

BNA\_F

ClientSampleId :

PB87668BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 194103 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 26.5  | 39.7   |
| 65       | 35.6  | 27.2  | 40.8   |
| 92       | 20.2  | 17.7  | 26.5   |

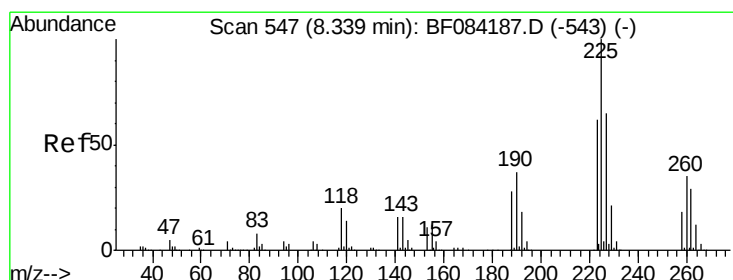
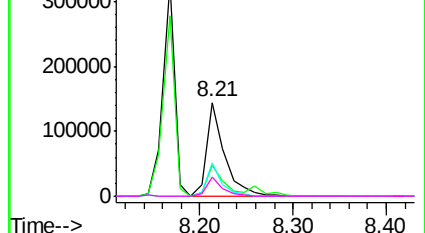
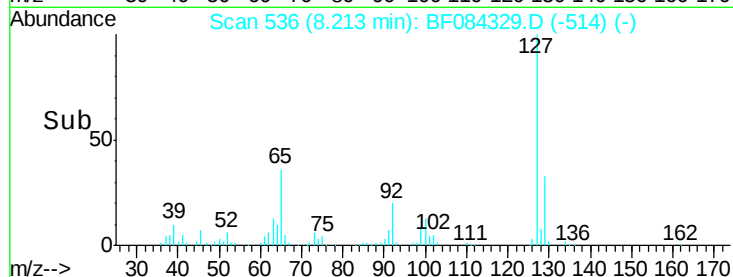


Abundance Ion 127.00 (126.70 to 127.70): E

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

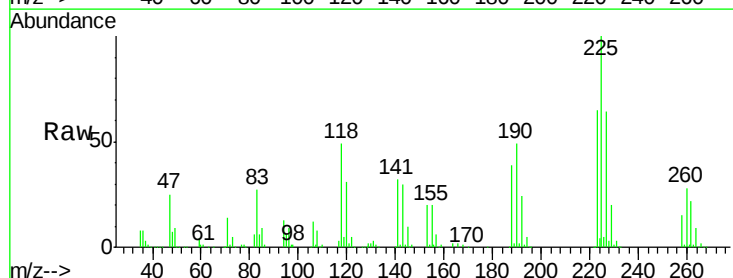
RT: 8.28 min Scan# 542

Delta R.T. -0.06 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

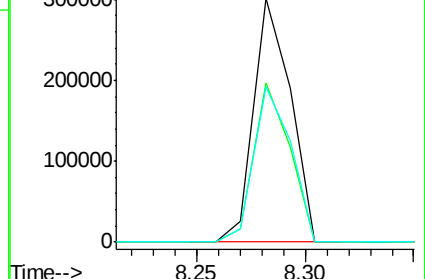
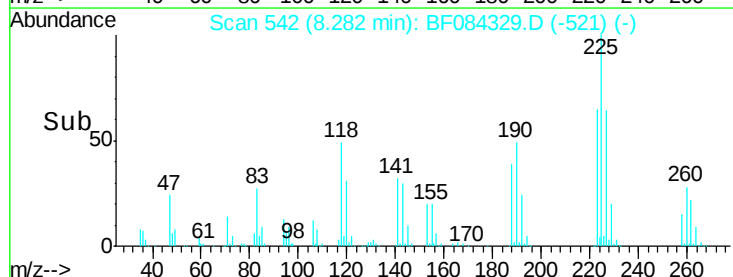
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 355624 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.2  | 49.4  | 74.0   |
| 227      | 63.8  | 50.8  | 76.2   |

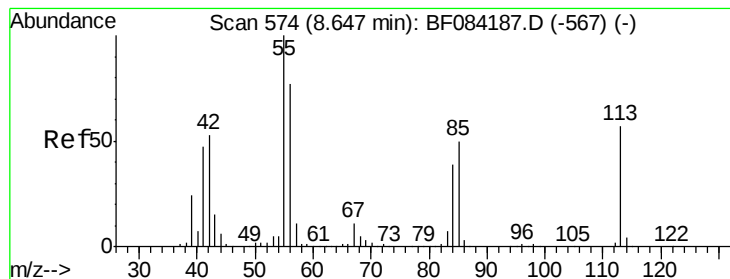


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 24.00 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

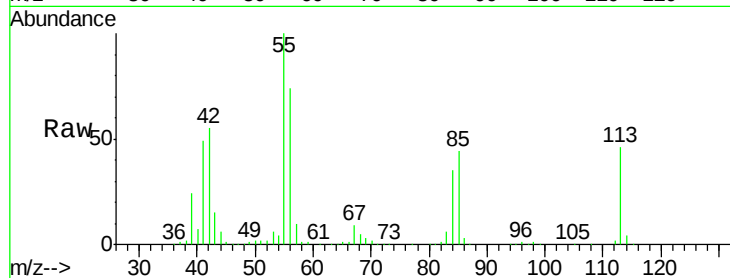
Tgt Ion:113 Resp: 122839

Ion Ratio Lower Upper

113 100

55 217.7 116.9 156.9#

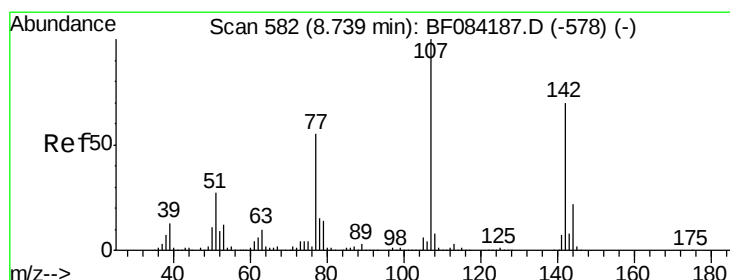
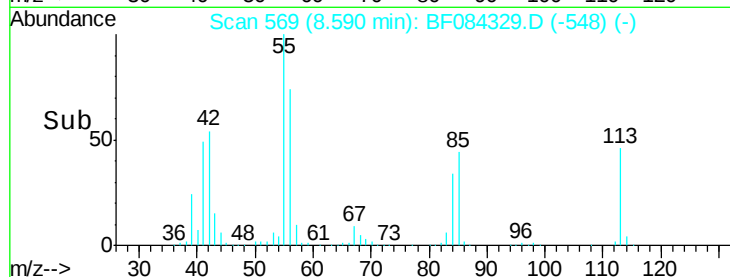
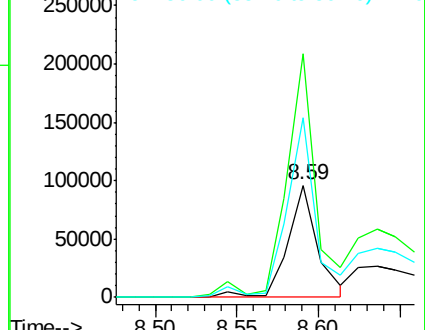
56 160.7 93.8 133.8#



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: 44.19 ng

RT: 8.72 min Scan# 580

Delta R.T. -0.02 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

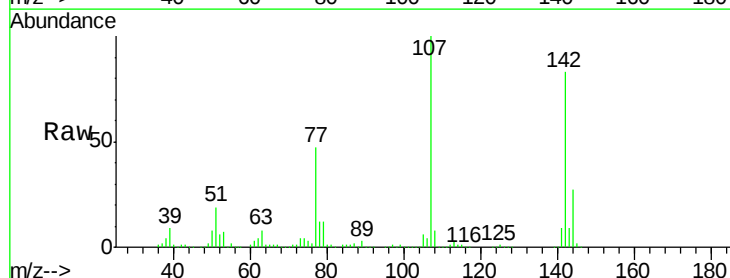
Tgt Ion:107 Resp: 751394

Ion Ratio Lower Upper

107 100

144 26.7 19.7 29.5

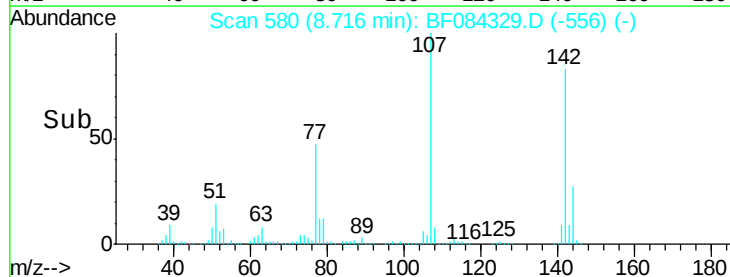
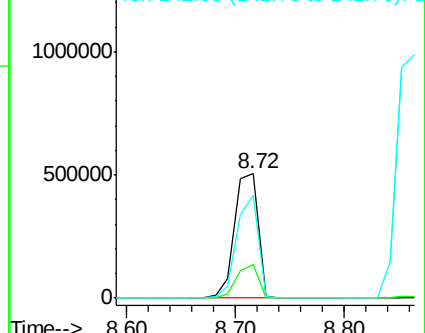
142 82.5 61.8 92.6

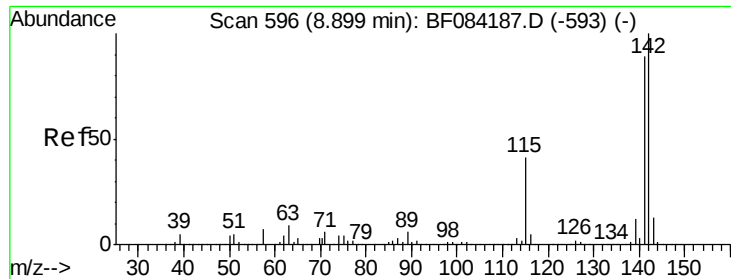


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

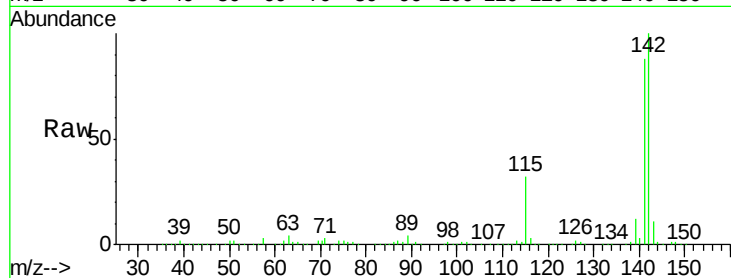




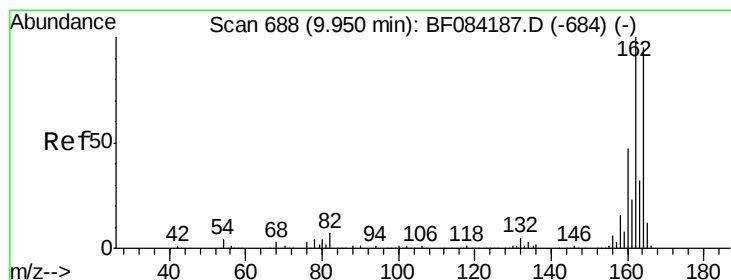
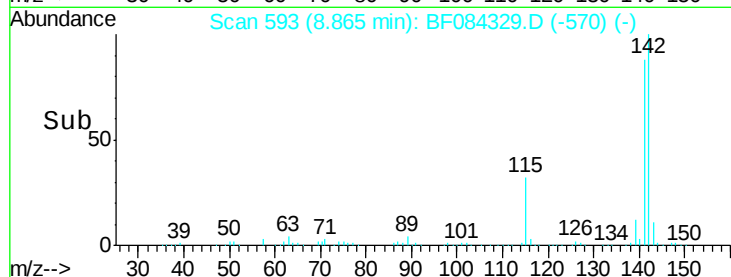
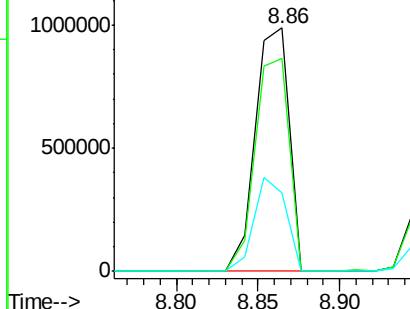
#37  
2-Methylnaphthalene  
Concen: 40.42 ng  
RT: 8.86 min Scan# 593  
Delta R.T. -0.03 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Instrument :  
BNA\_F  
ClientSampled :  
PB87668BS

Tgt Ion:142 Resp: 1429182  
Ion Ratio Lower Upper  
142 100  
141 87.7 72.4 108.6  
115 32.3 27.9 41.9

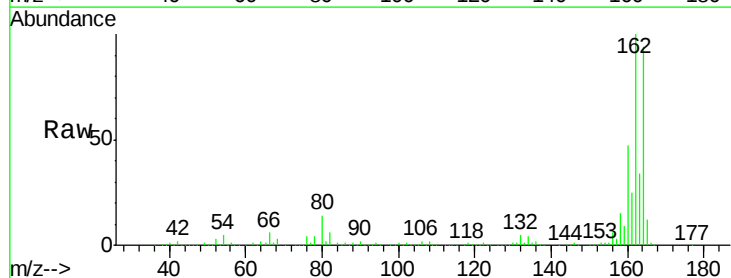


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

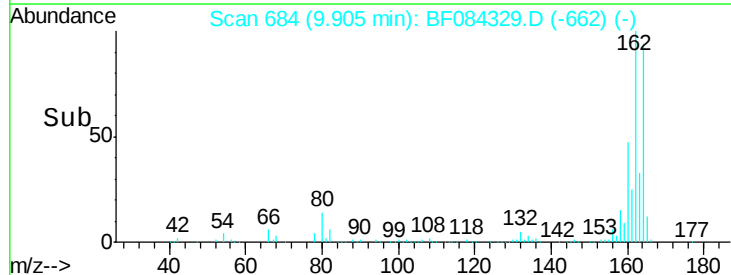
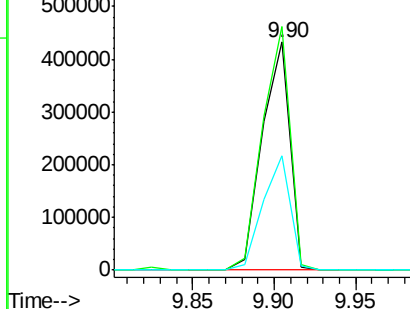


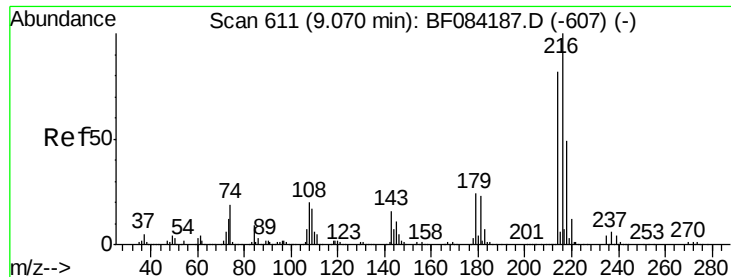
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:164 Resp: 510462  
Ion Ratio Lower Upper  
164 100  
162 106.7 85.1 127.7  
160 50.0 37.5 56.3



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: 39.17 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

Tgt Ion:216 Resp: 574892

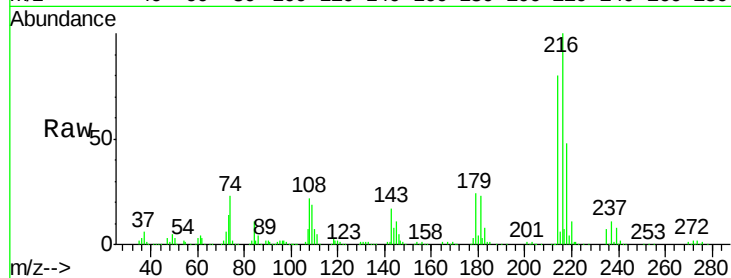
Ion Ratio Lower Upper

216 100

214 79.8 64.2 96.2

179 24.0 18.7 28.1

108 26.0 16.8 25.2#

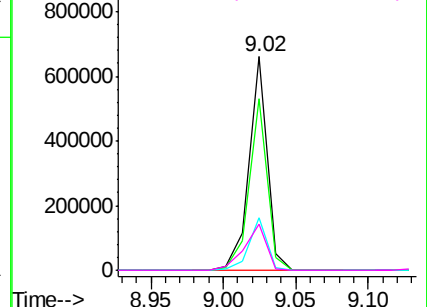
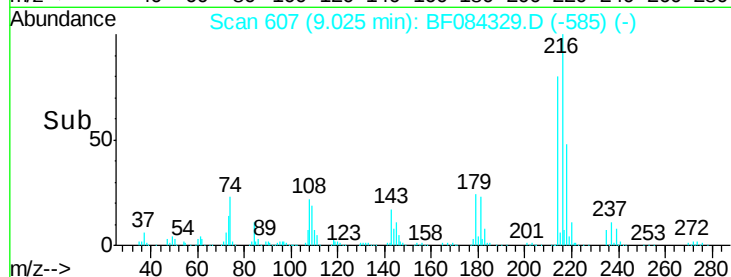


Abundance Ion 216.00 (215.70 to 216.70): E

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: 75.02 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

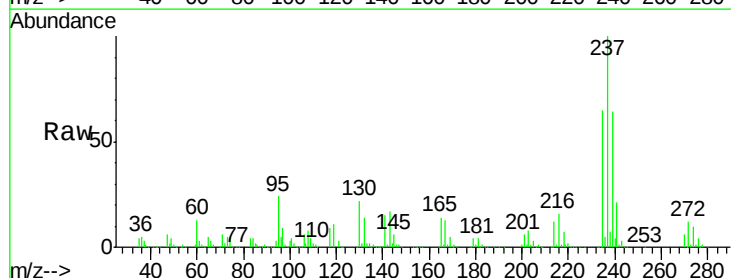
Tgt Ion:237 Resp: 664551

Ion Ratio Lower Upper

237 100

235 65.0 43.1 83.1

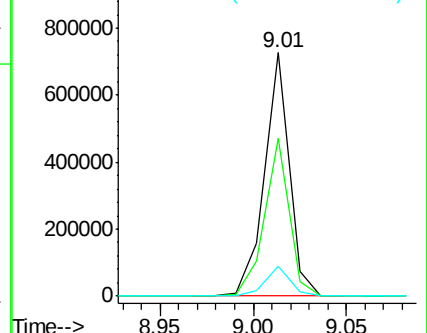
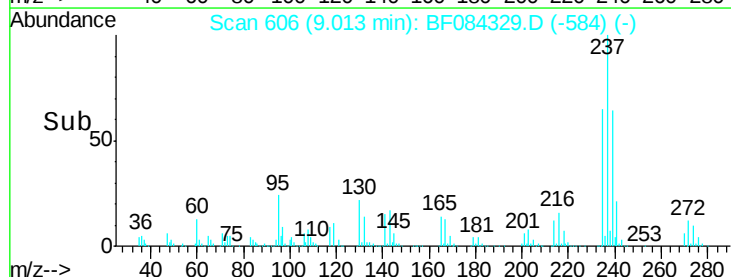
272 12.5 0.0 35.1

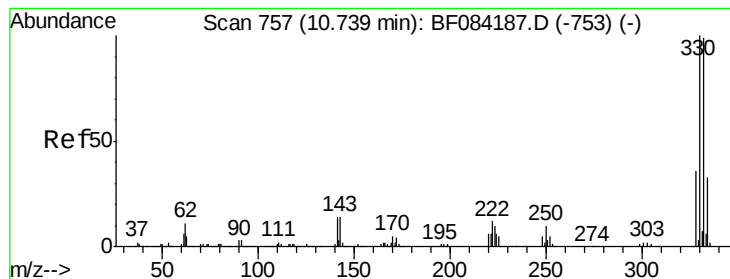


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

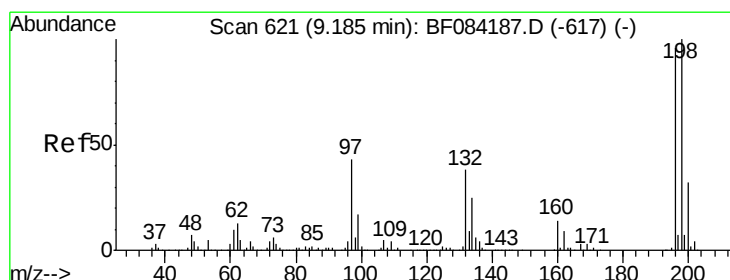
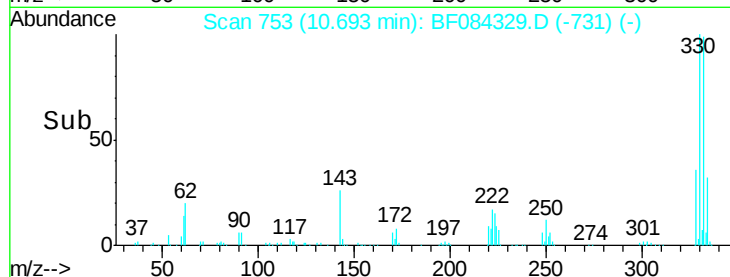
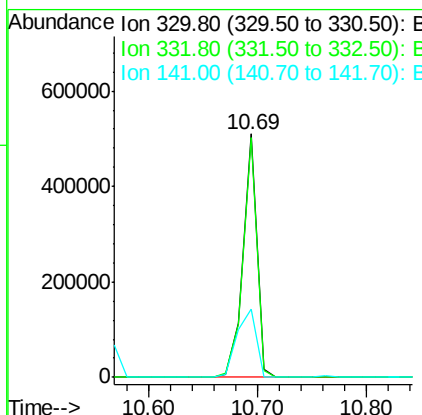
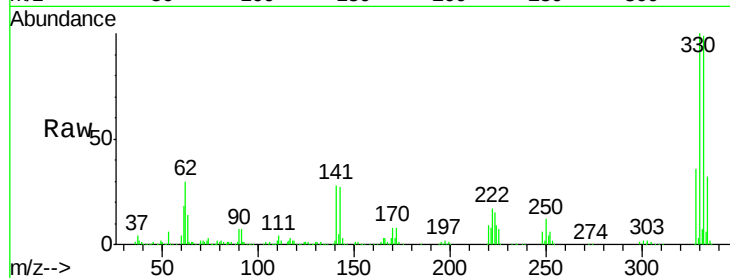




#41  
 2,4,6-Tribromophenol  
 Concen: 86.96 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

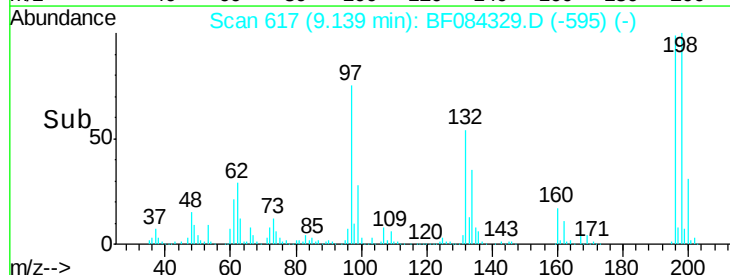
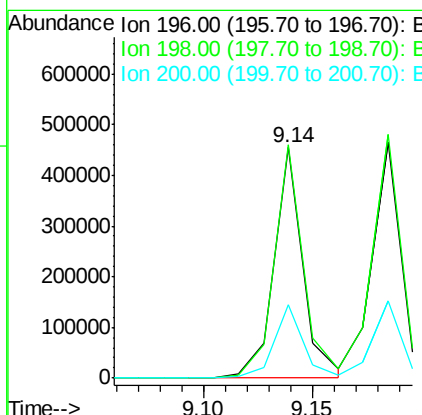
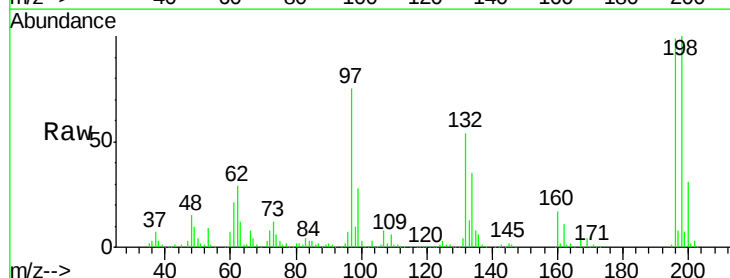
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

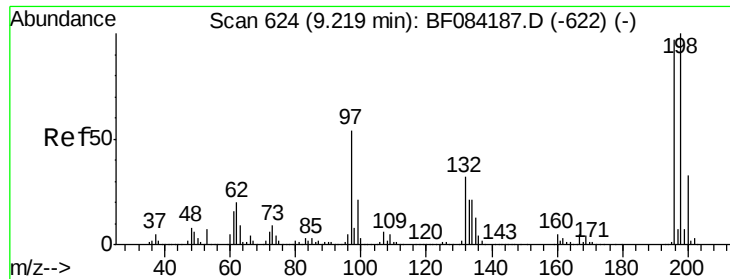
Tgt Ion:330 Resp: 448174  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 76.6 114.8  
 141 38.6 27.8 41.6



#42  
 2,4,6-Trichlorophenol  
 Concen: 38.58 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:196 Resp: 423530  
 Ion Ratio Lower Upper  
 196 100  
 198 101.5 77.7 116.5  
 200 31.7 24.6 37.0

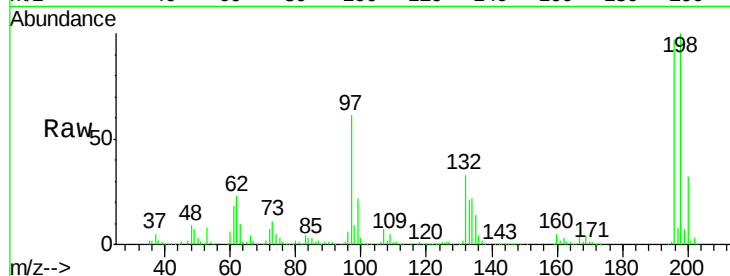




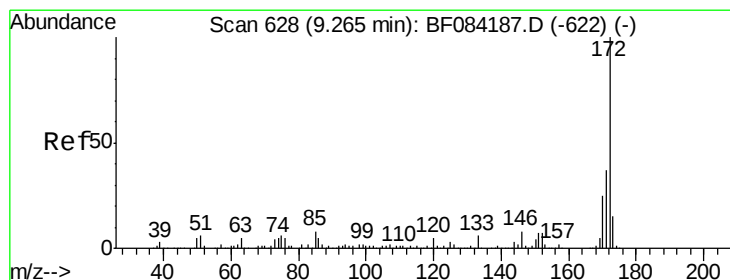
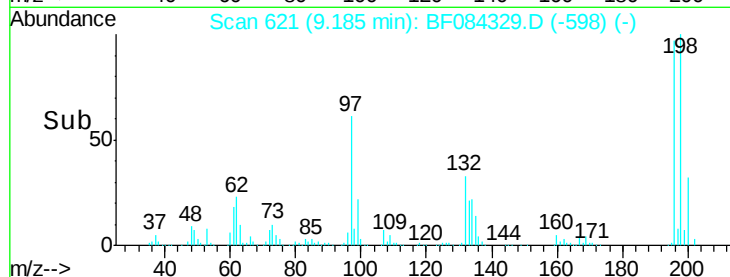
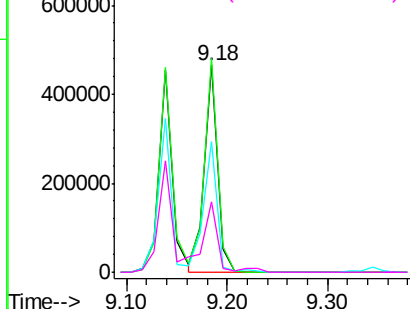
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.63 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.03 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Tgt Ion:196 Resp: 427684  
 Ion Ratio Lower Upper  
 196 100  
 198 103.1 79.0 118.6  
 97 62.8 33.0 49.6#  
 132 34.2 21.1 31.7#

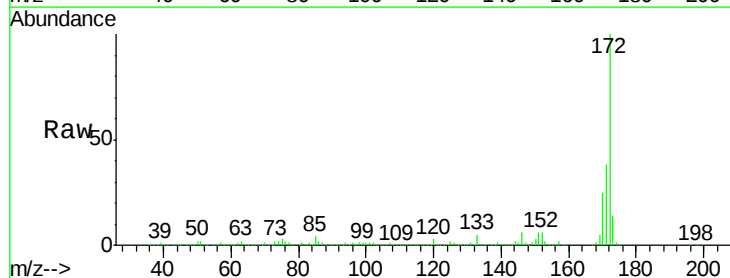


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

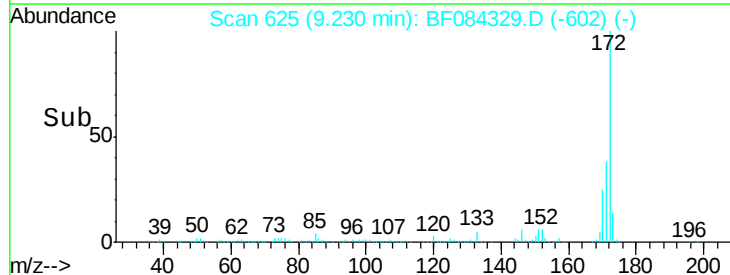
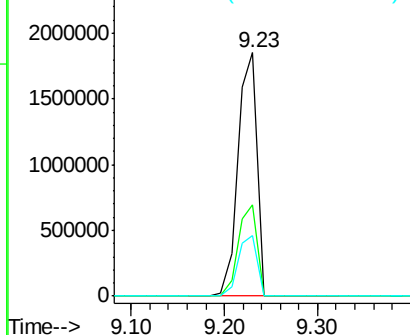


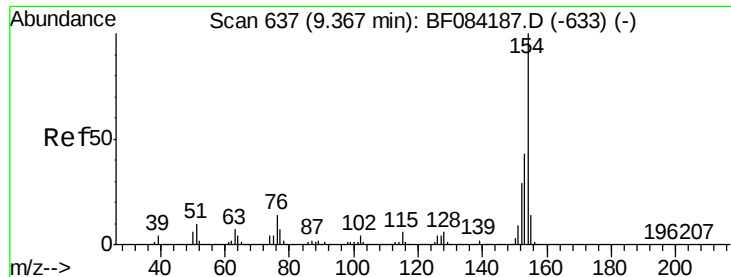
#44  
 2-Fluorobiphenyl  
 Concen: 90.26 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:172 Resp: 2607662  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 28.9 43.3  
 170 25.0 18.6 27.8



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: 37.24 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

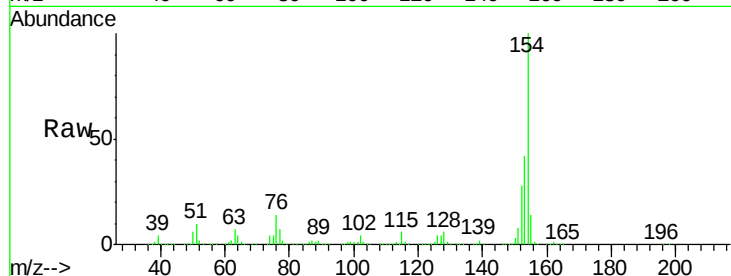
Tgt Ion:154 Resp: 1510879

Ion Ratio Lower Upper

154 100

153 42.0 21.6 61.6

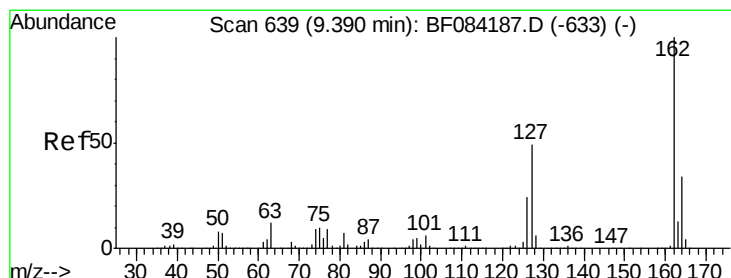
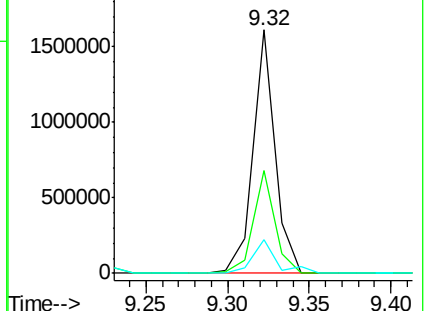
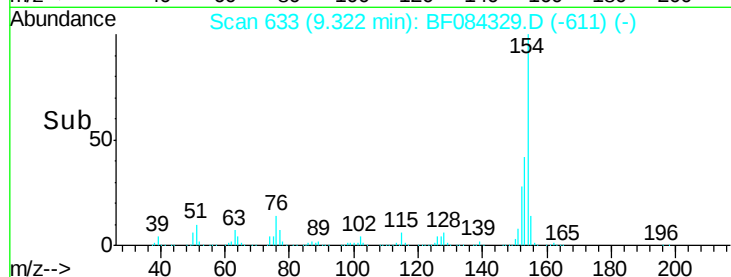
76 13.7 0.0 32.7



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: 37.33 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

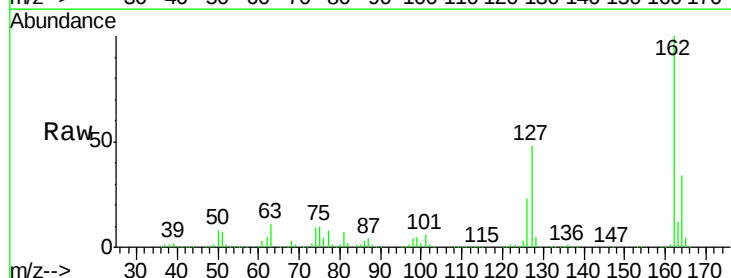
Tgt Ion:162 Resp: 1189633

Ion Ratio Lower Upper

162 100

127 47.8 40.2 60.4

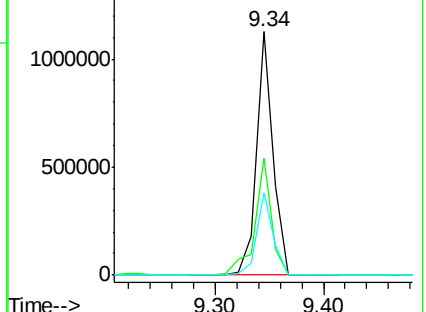
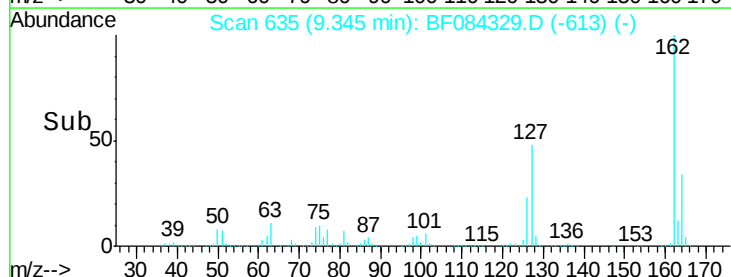
164 33.9 25.7 38.5

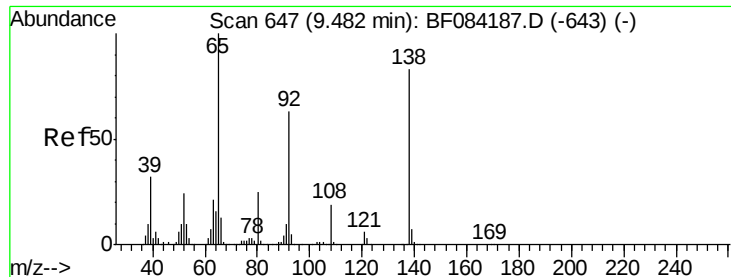


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.55 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

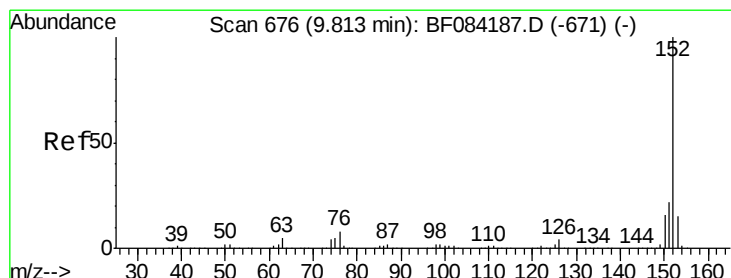
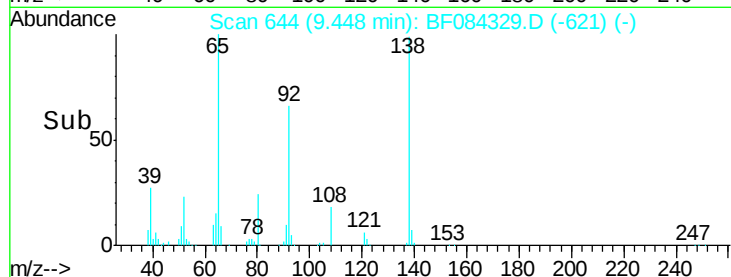
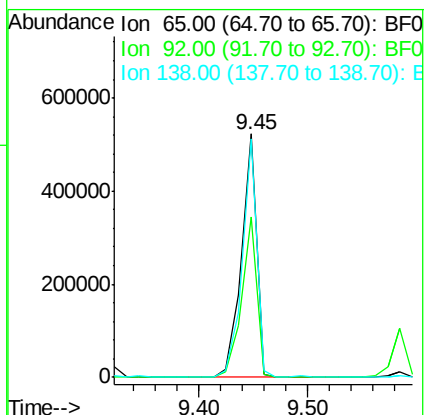
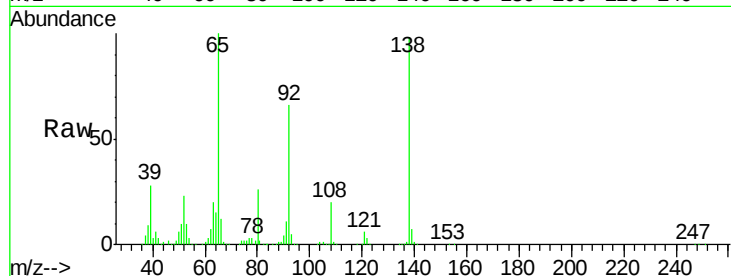
Tgt Ion: 65 Resp: 500074

Ion Ratio Lower Upper

65 100

92 66.0 53.4 80.2

138 98.1 71.1 106.7



#48

Acenaphthylene

Concen: 43.33 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

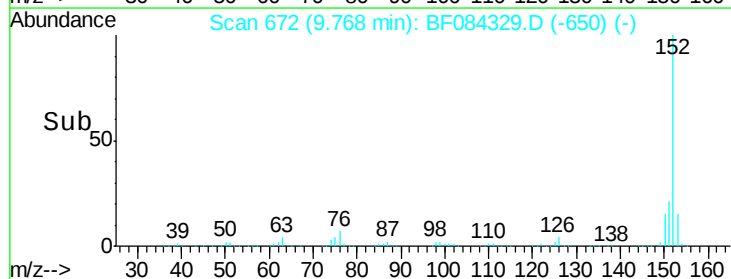
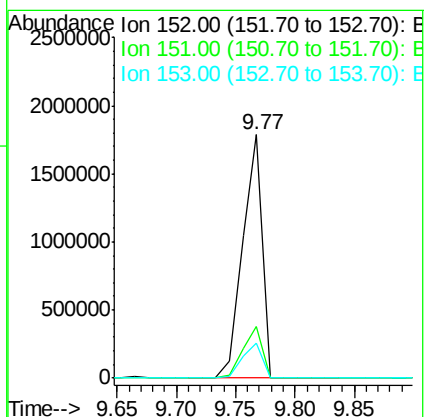
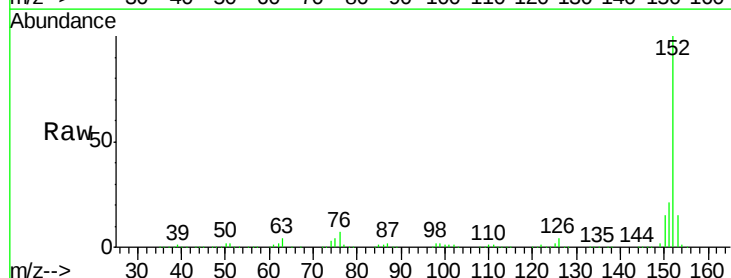
Tgt Ion: 152 Resp: 2040107

Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

153 14.6 10.4 15.6





#49

Dimethylphthalate

Concen: 39.96 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

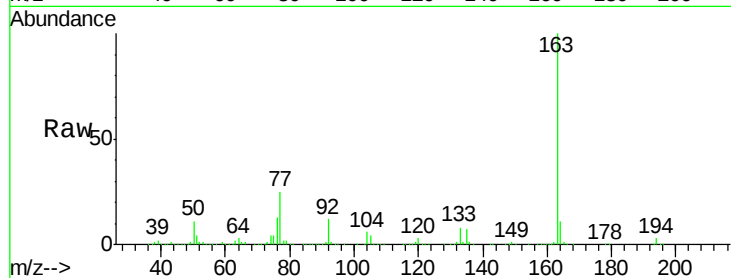
Tgt Ion:163 Resp: 1458092

Ion Ratio Lower Upper

163 100

194 3.3 8.0 12.0#

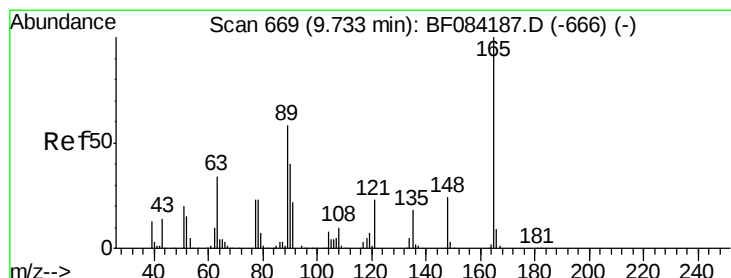
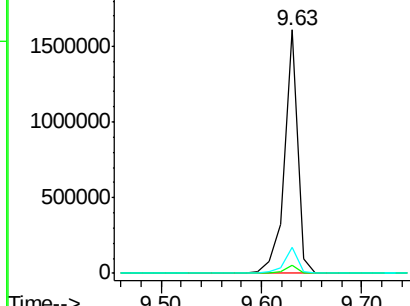
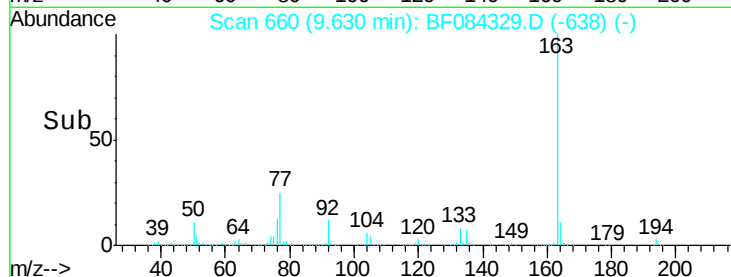
164 10.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 38.36 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

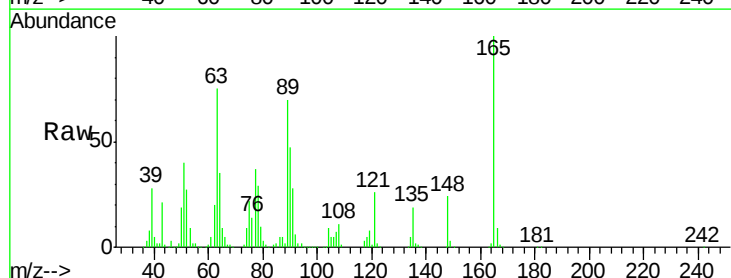
Tgt Ion:165 Resp: 306991

Ion Ratio Lower Upper

165 100

63 75.1 28.8 43.2#

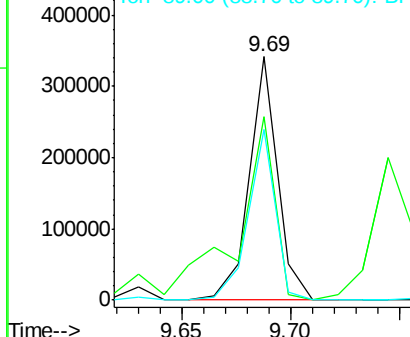
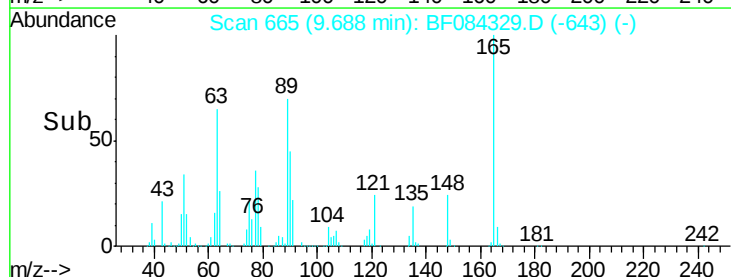
89 69.9 35.1 52.7#

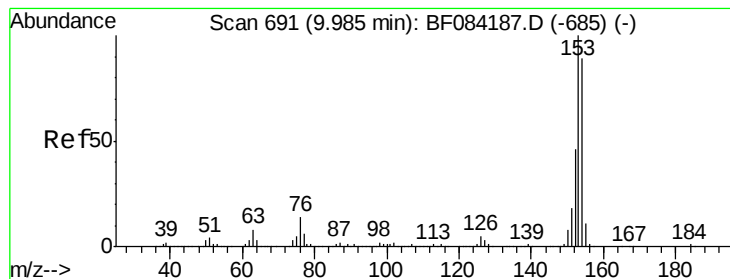


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.86 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.04 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

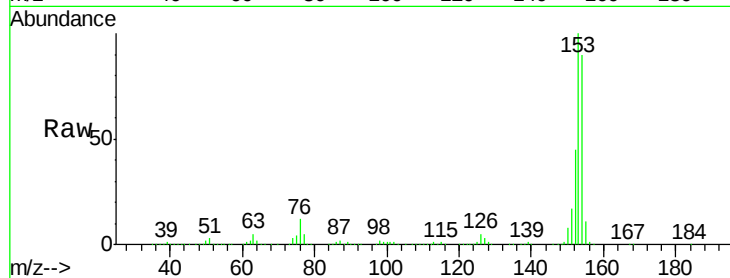
Tgt Ion:154 Resp: 1479803

Ion Ratio Lower Upper

154 100

153 111.5 91.5 137.3

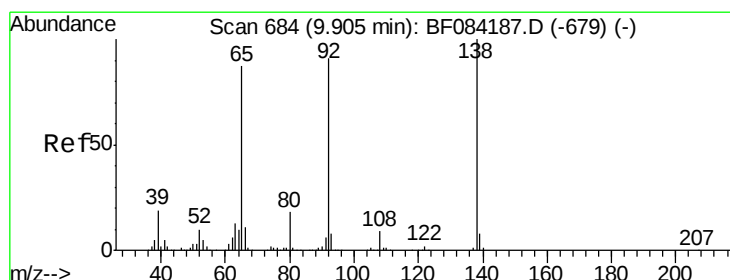
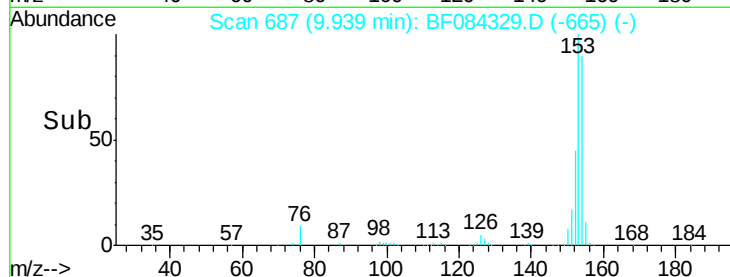
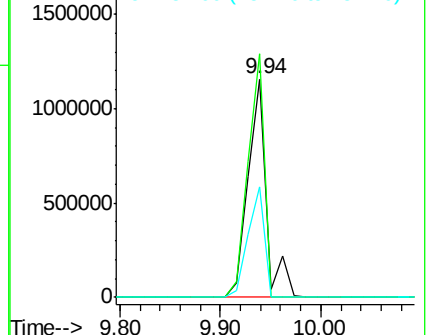
152 50.6 43.0 64.6



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: 22.07 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

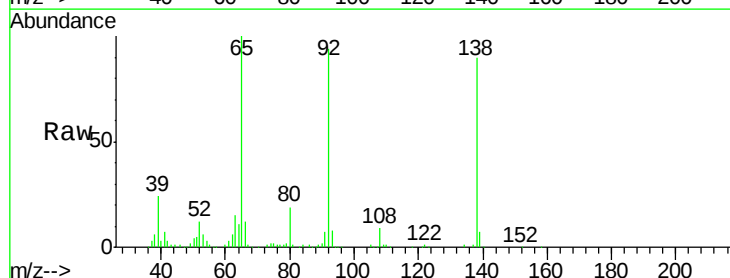
Tgt Ion:138 Resp: 218910

Ion Ratio Lower Upper

138 100

108 10.0 10.5 15.7#

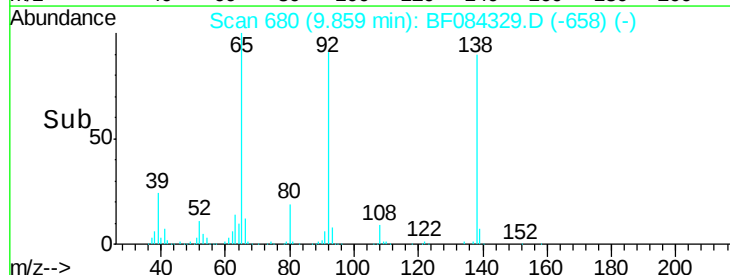
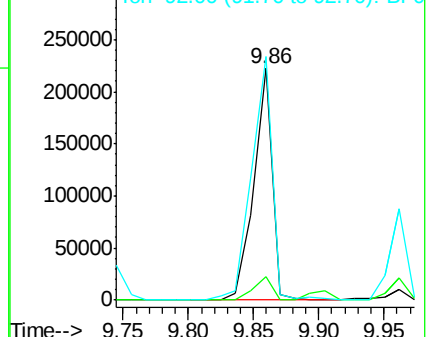
92 105.1 103.9 155.9

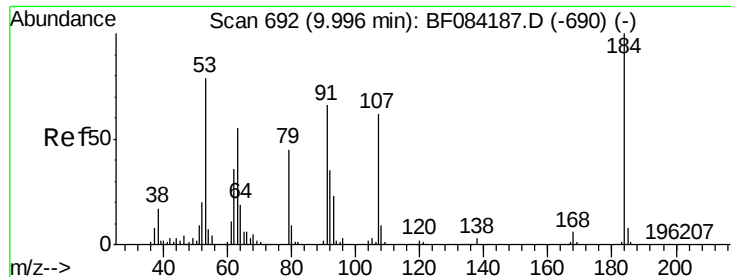


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

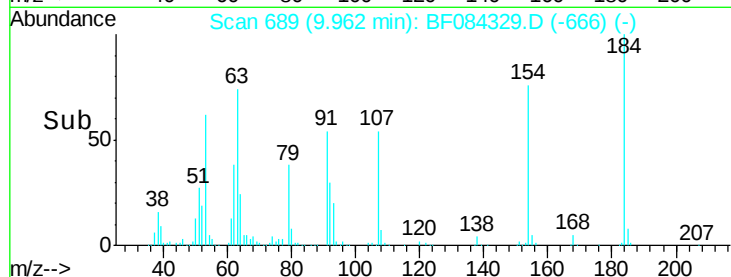
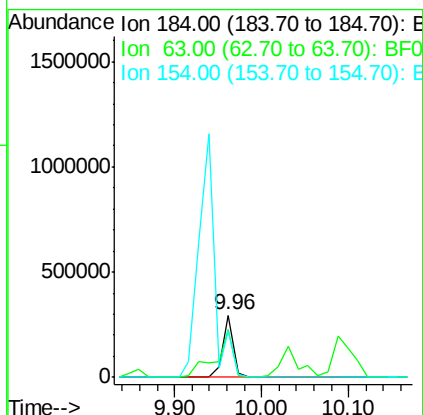
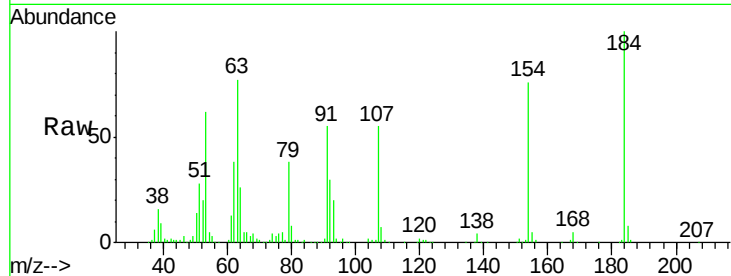




#53  
2,4-Dinitrophenol  
Concen: 75.93 ng  
RT: 9.96 min Scan# 689  
Delta R.T. -0.03 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

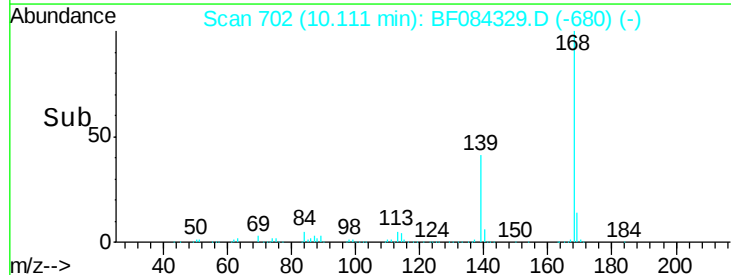
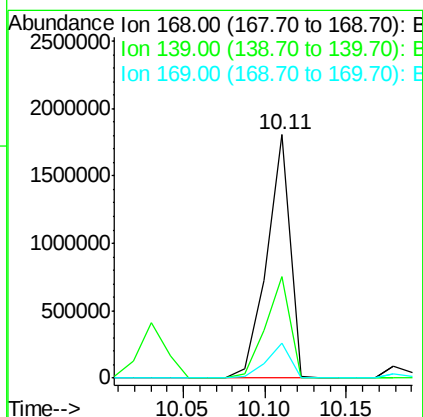
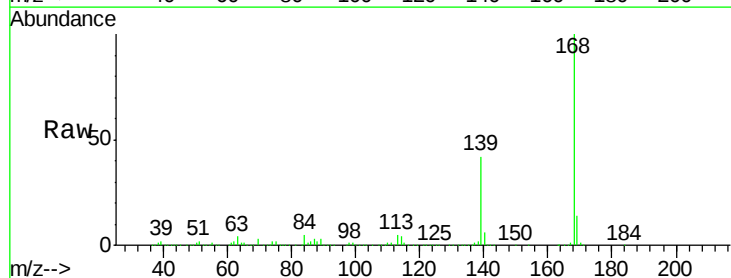
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

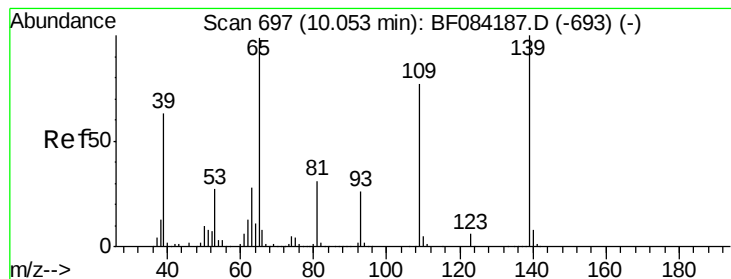
Tgt Ion:184 Resp: 258229  
Ion Ratio Lower Upper  
184 100  
63 77.2 43.1 64.7#  
154 75.6 60.5 90.7



#54  
Dibenzofuran  
Concen: 43.99 ng  
RT: 10.11 min Scan# 702  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:168 Resp: 1801818  
Ion Ratio Lower Upper  
168 100  
139 41.8 30.5 45.7  
169 14.1 10.4 15.6





#55

4-Nitrophenol

Concen: 68.94 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

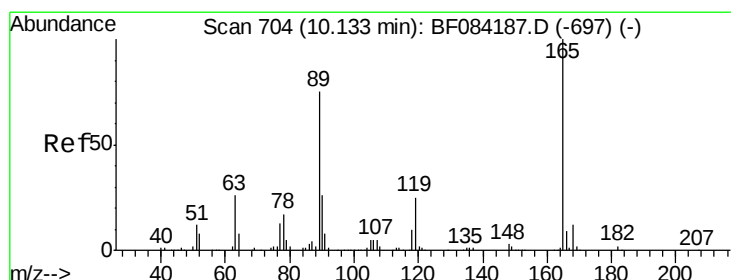
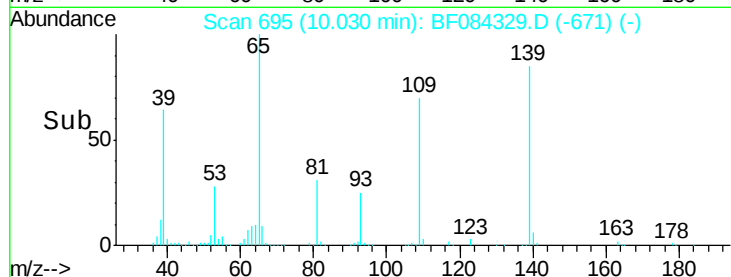
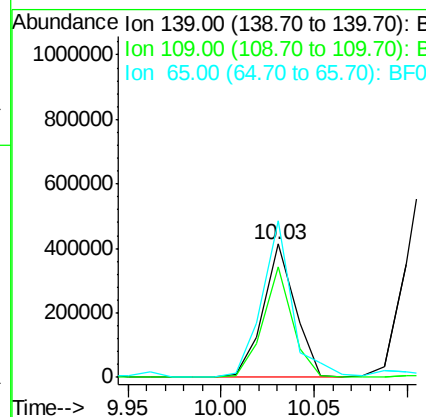
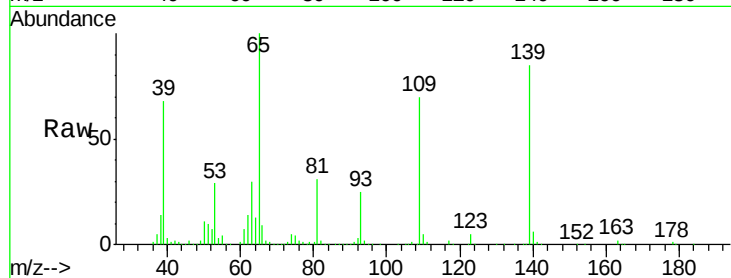
Tgt Ion:139 Resp: 496327

Ion Ratio Lower Upper

139 100

109 83.0 58.5 98.5

65 117.9 57.6 97.6#



#56

2,4-Dinitrotoluene

Concen: 45.86 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion:165 Resp: 464592

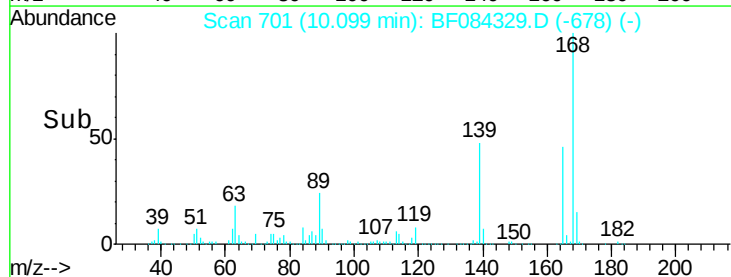
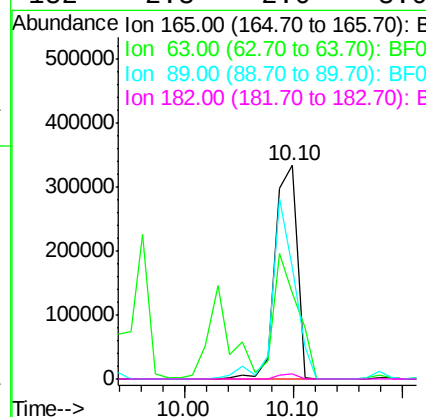
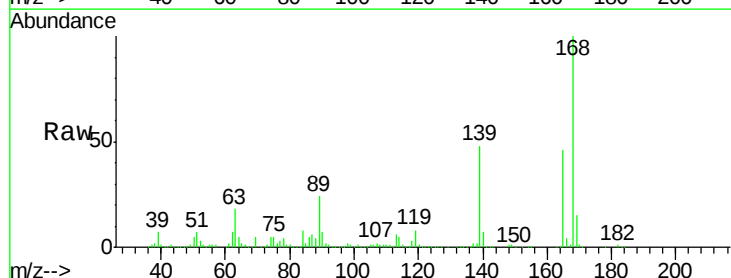
Ion Ratio Lower Upper

165 100

63 39.9 36.7 55.1

89 52.1 61.9 92.9#

182 2.3 2.0 3.0





#57

Fluorene

Concen: 45.22 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.04 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

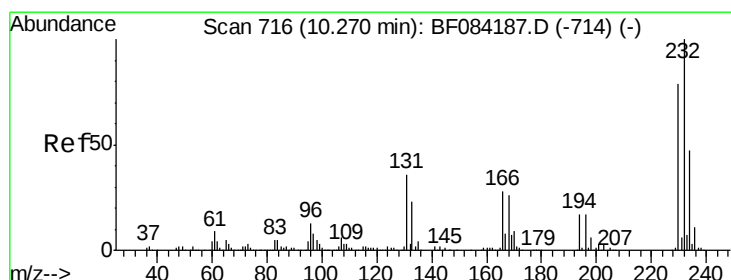
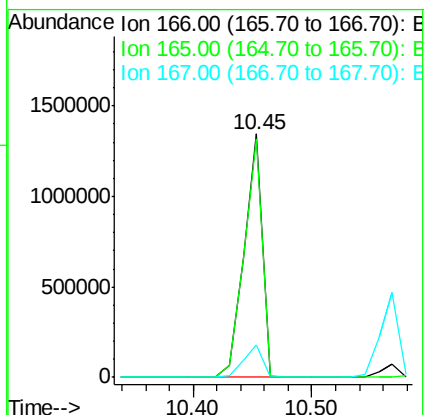
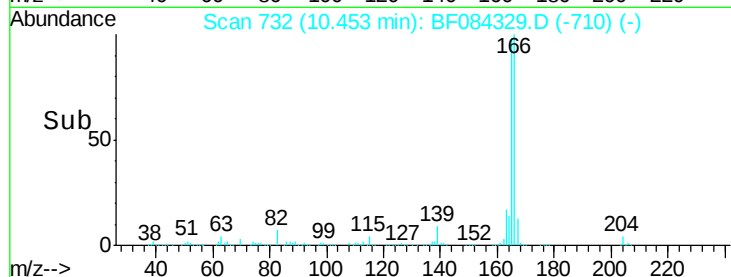
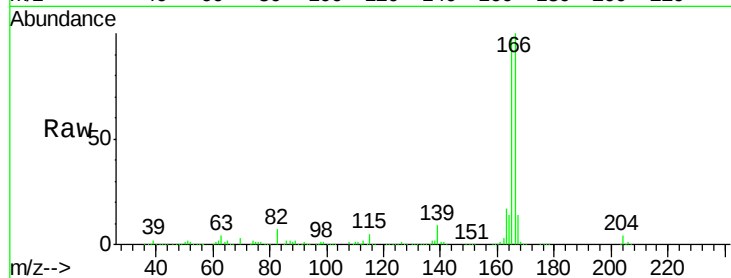
Tgt Ion:166 Resp: 1429771

Ion Ratio Lower Upper

166 100

165 97.8 79.1 118.7

167 13.5 10.4 15.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.74 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion:232 Resp: 339173

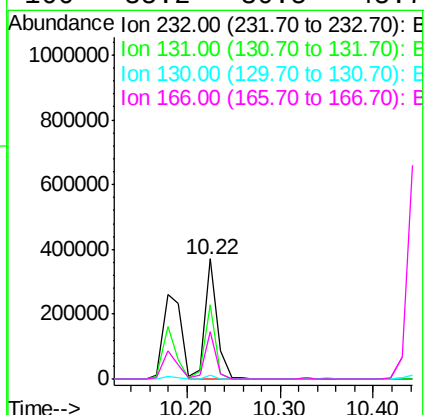
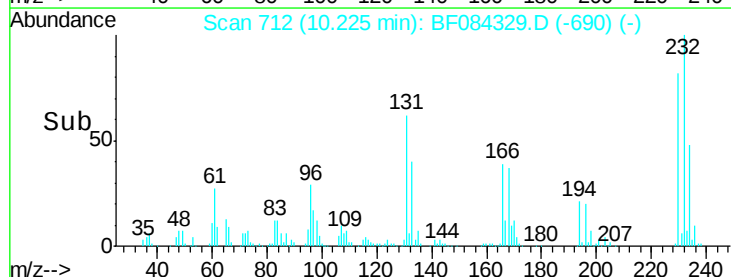
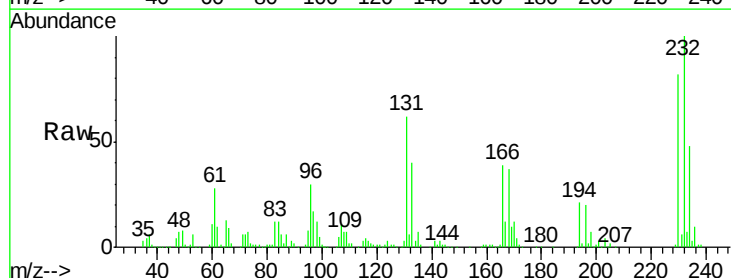
Ion Ratio Lower Upper

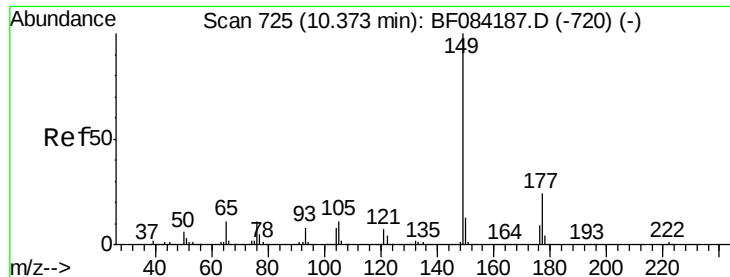
232 100

131 55.6 47.0 70.6

130 2.9 2.0 3.0

166 35.2 30.5 45.7

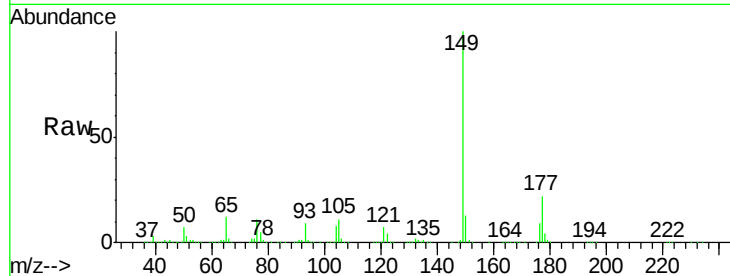




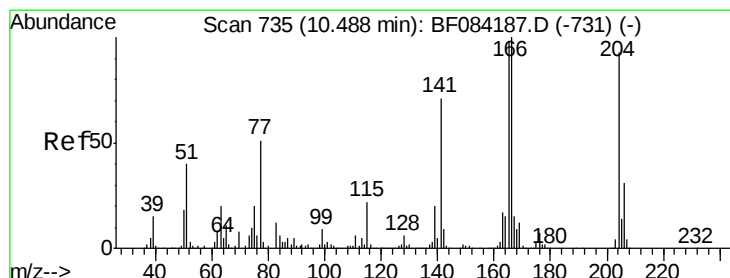
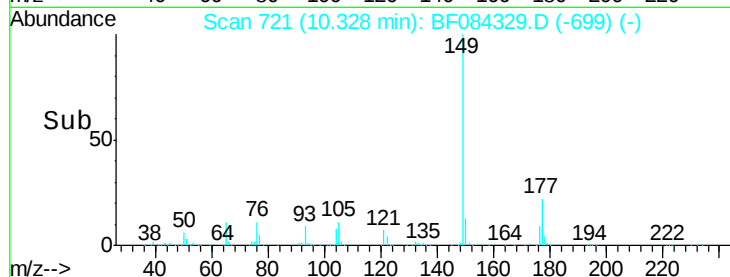
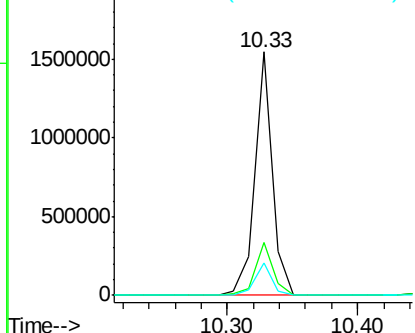
#59  
Diethylphthalate  
Concen: 40.07 ng  
RT: 10.33 min Scan# 721  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

Tgt Ion:149 Resp: 1441726  
Ion Ratio Lower Upper  
149 100  
177 21.7 17.3 25.9  
150 13.2 9.8 14.8

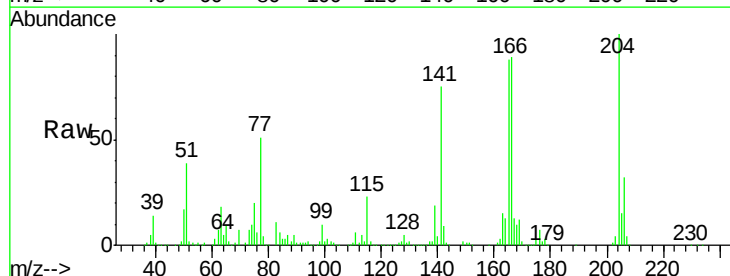


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

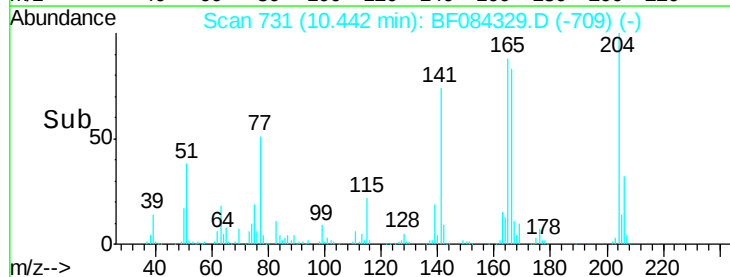
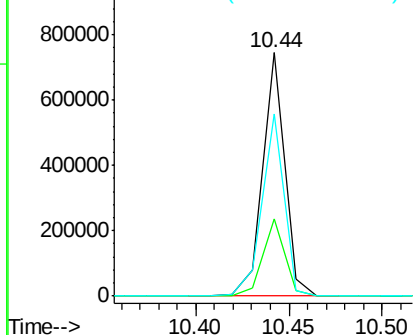


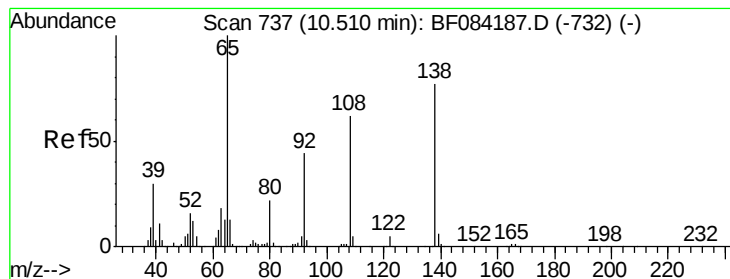
#60  
4-Chlorophenyl-phenylether  
Concen: 45.49 ng  
RT: 10.44 min Scan# 731  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:204 Resp: 605900  
Ion Ratio Lower Upper  
204 100  
206 32.0 25.7 38.5  
141 74.6 55.1 82.7



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: 41.35 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

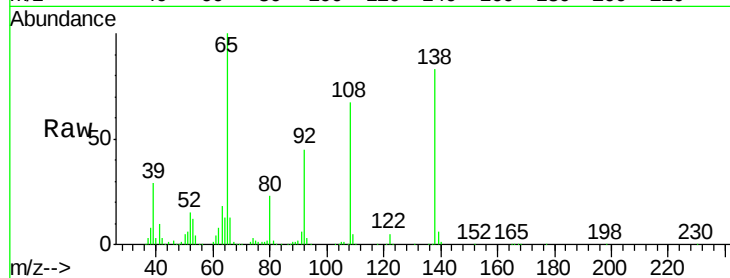
Tgt Ion:138 Resp: 365610

Ion Ratio Lower Upper

138 100

92 53.8 32.6 72.6

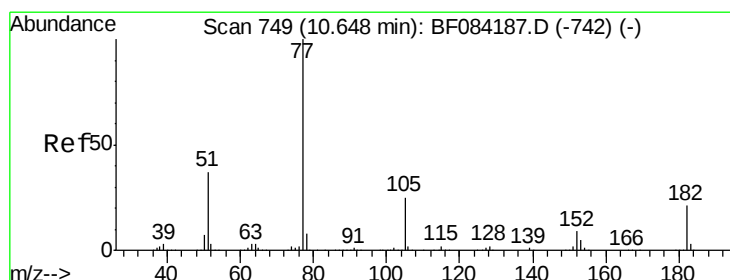
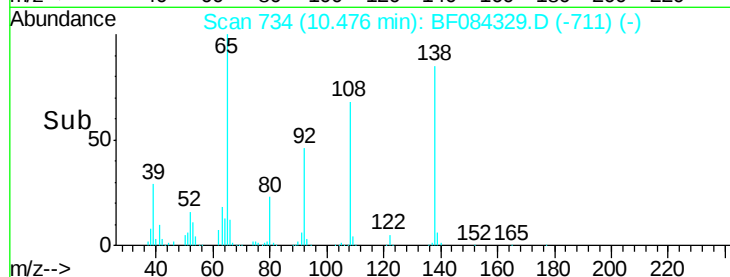
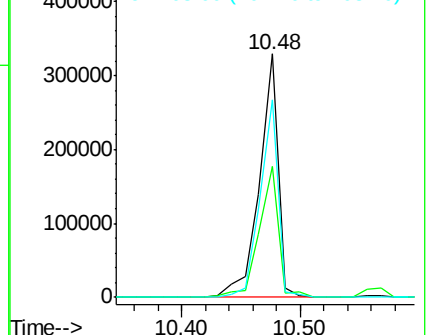
108 80.9 68.6 108.6



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: 41.59 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion: 77 Resp: 1641215

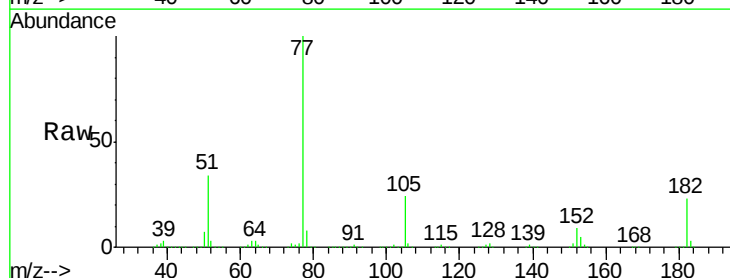
Ion Ratio Lower Upper

77 100

182 22.6 8.3 48.3

105 23.8 4.6 44.6

51 33.6 6.2 46.2

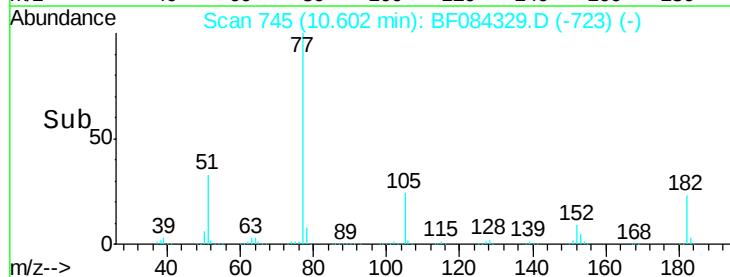
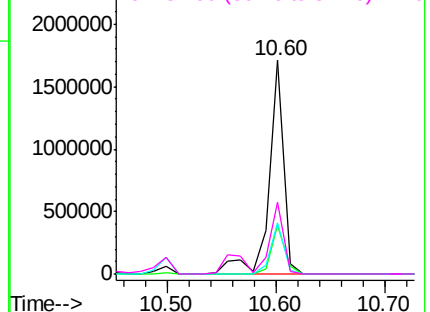


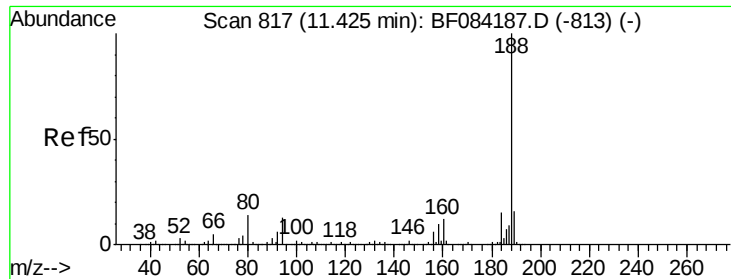
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

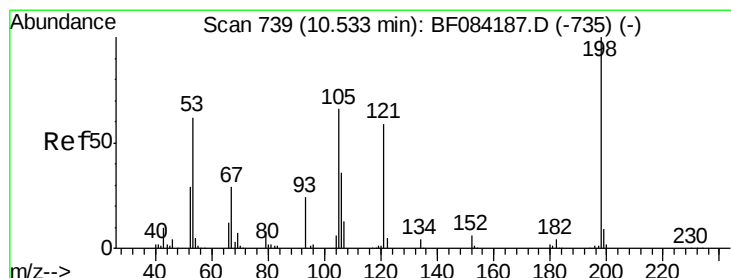
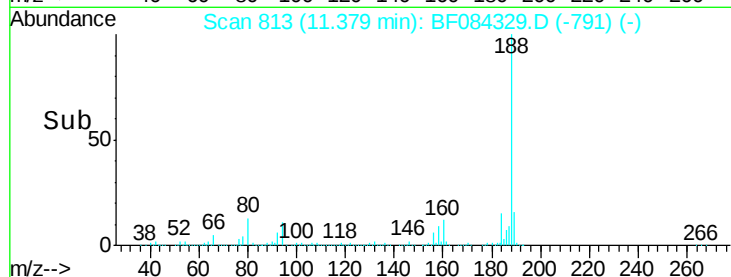
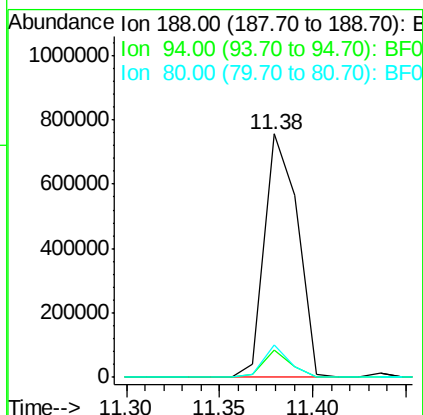
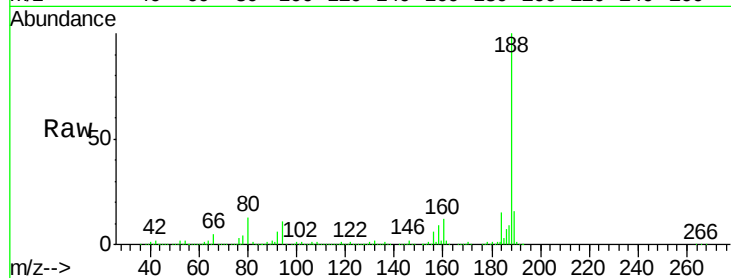




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

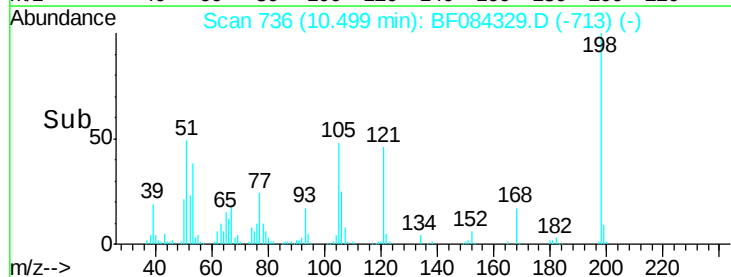
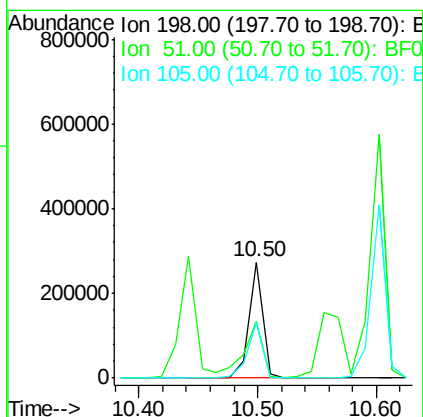
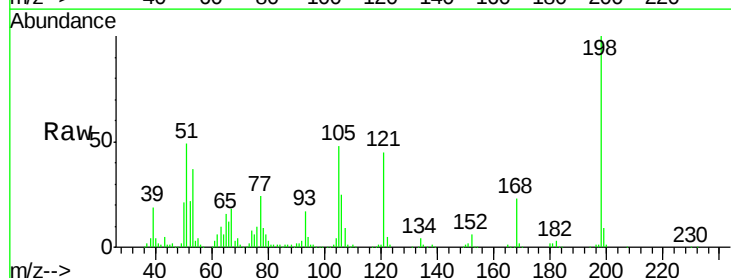
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

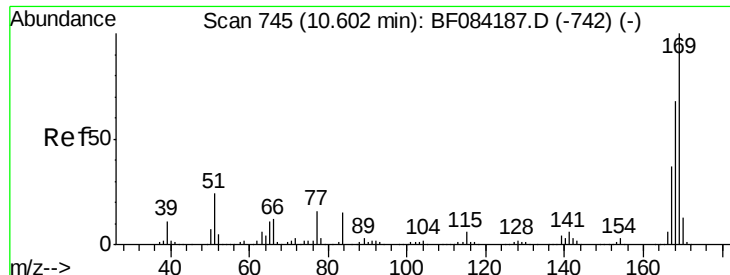
Tgt Ion:188 Resp: 943168  
Ion Ratio Lower Upper  
188 100  
94 11.4 9.0 13.4  
80 13.1 9.6 14.4



#64  
4,6-Dinitro-2-methylphenol  
Concen: 39.06 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.03 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:198 Resp: 225047  
Ion Ratio Lower Upper  
198 100  
51 49.0 18.9 58.9  
105 47.6 26.4 66.4

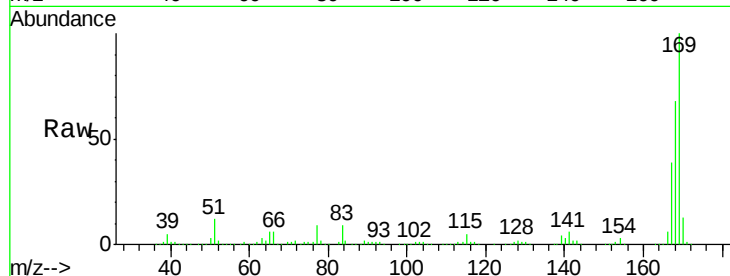




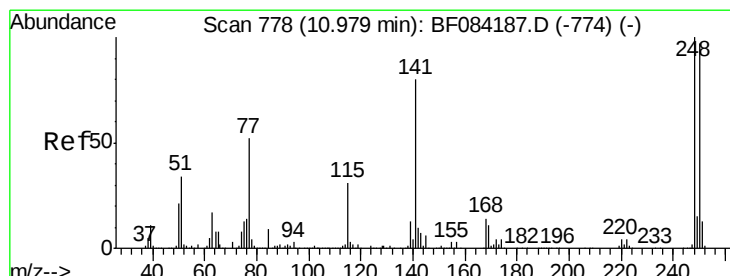
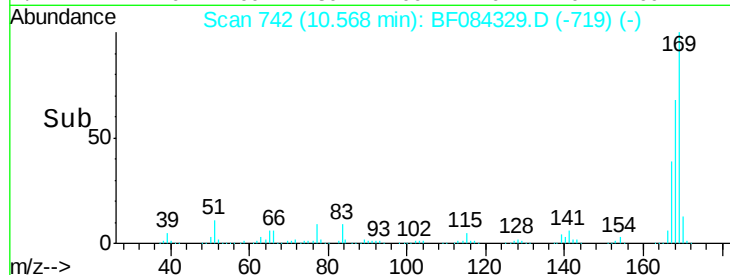
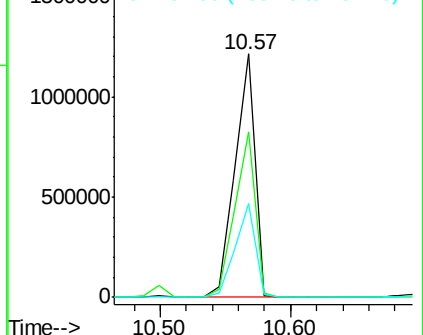
#65  
 n-Nitrosodiphenylamine  
 Concen: 42.55 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Tgt Ion:169 Resp: 1283177  
 Ion Ratio Lower Upper  
 169 100  
 168 68.0 55.1 82.7  
 167 38.7 30.0 45.0

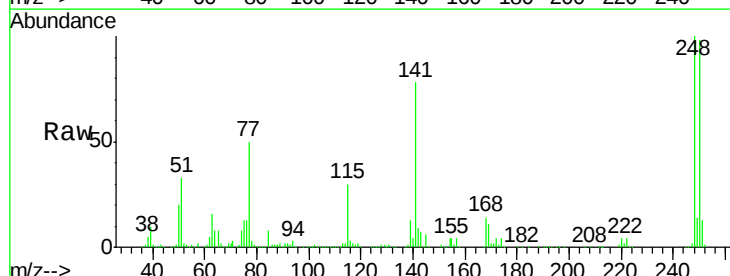


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

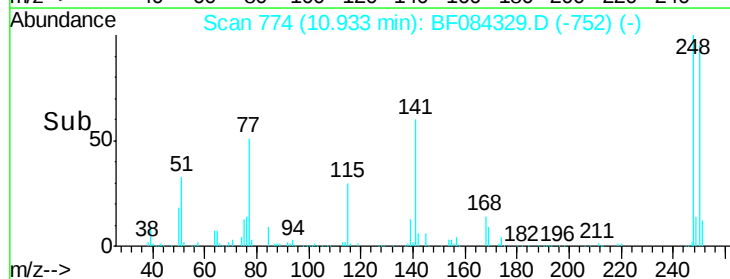
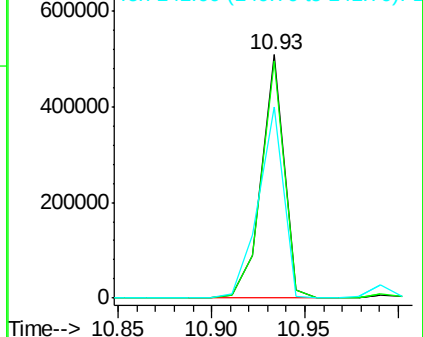


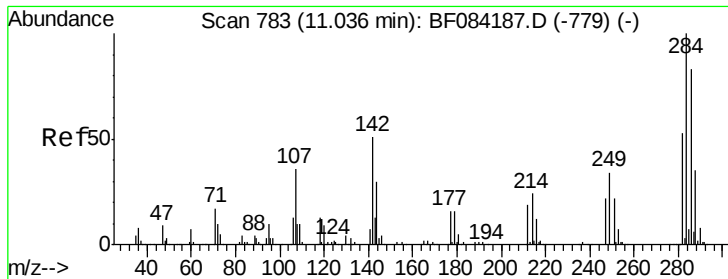
#66  
 4-Bromophenyl-phenylether  
 Concen: 42.01 ng  
 RT: 10.93 min Scan# 774  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:248 Resp: 426432  
 Ion Ratio Lower Upper  
 248 100  
 250 97.6 78.4 117.6  
 141 78.3 44.0 66.0#



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

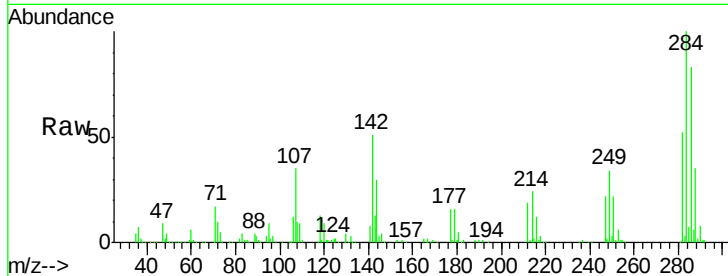




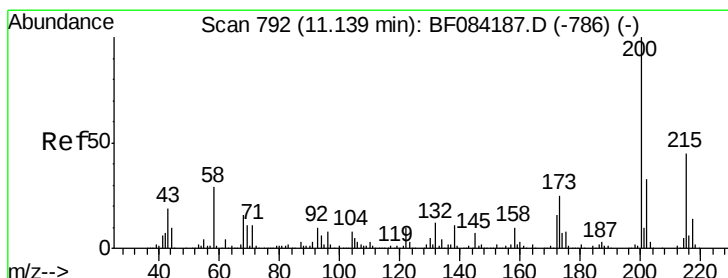
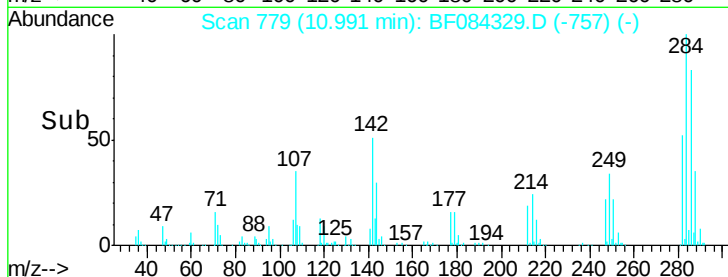
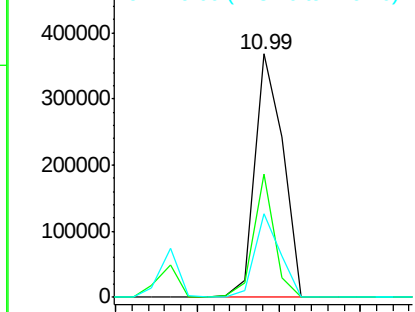
#67  
Hexachlorobenzene  
Concen: 38.43 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

Tgt Ion: 284 Resp: 439151  
Ion Ratio Lower Upper  
284 100  
142 50.9 22.2 33.4#  
249 34.4 24.6 37.0

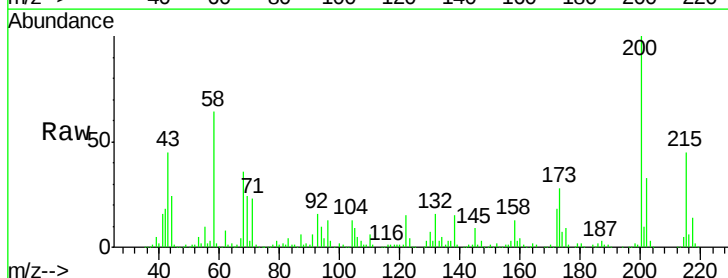


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

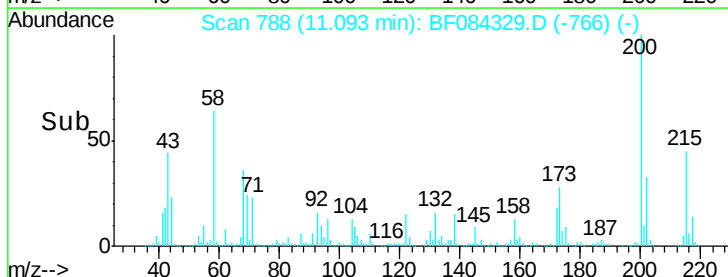
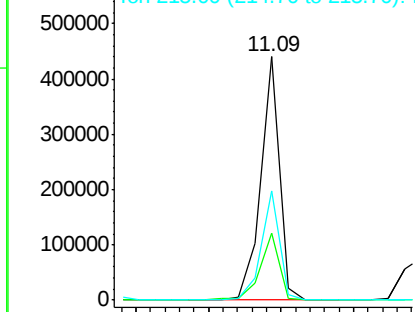


#68  
Atrazine  
Concen: 39.71 ng  
RT: 11.09 min Scan# 788  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion: 200 Resp: 391841  
Ion Ratio Lower Upper  
200 100  
173 27.5 9.5 49.5  
215 44.8 23.8 63.8



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: 79.35 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

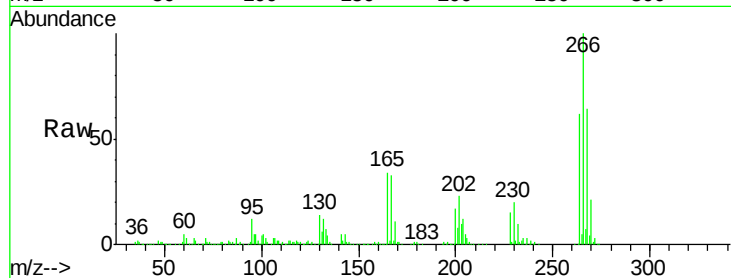
Tgt Ion:266 Resp: 470126

Ion Ratio Lower Upper

266 100

268 63.6 52.4 78.6

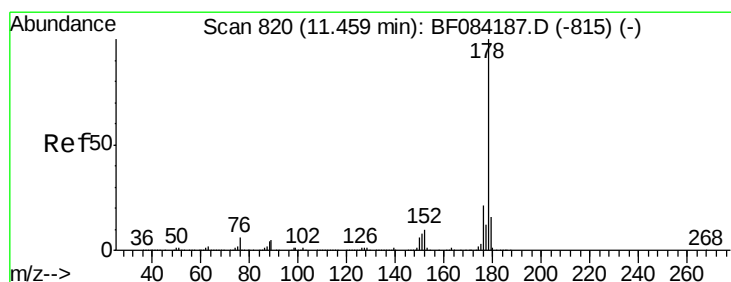
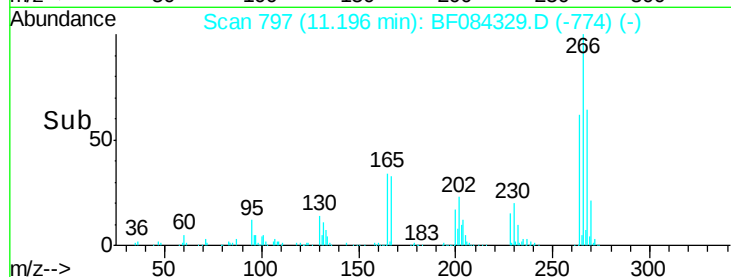
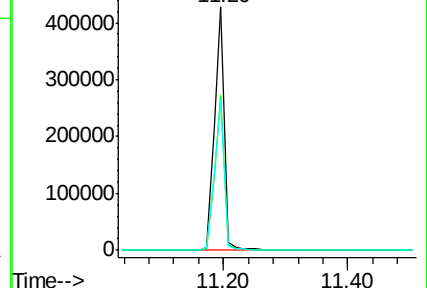
264 61.8 50.2 75.2



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: 43.77 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

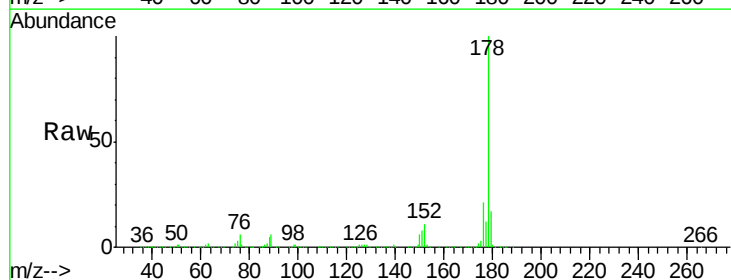
Tgt Ion:178 Resp: 2159497

Ion Ratio Lower Upper

178 100

176 20.9 15.3 22.9

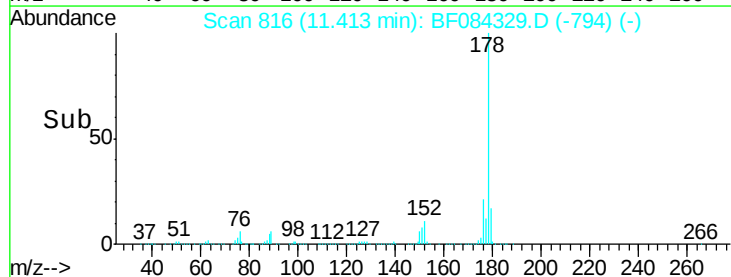
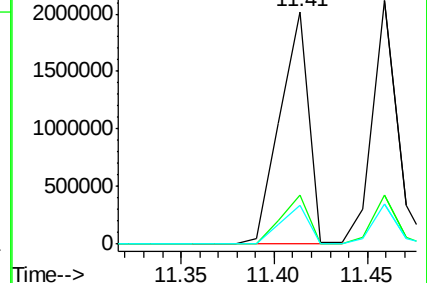
179 16.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 39.27 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.04 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

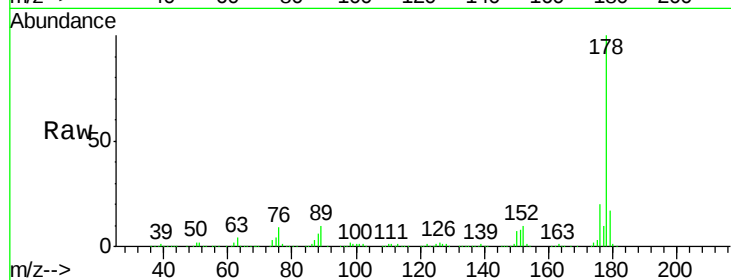
Tgt Ion:178 Resp: 1899393

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

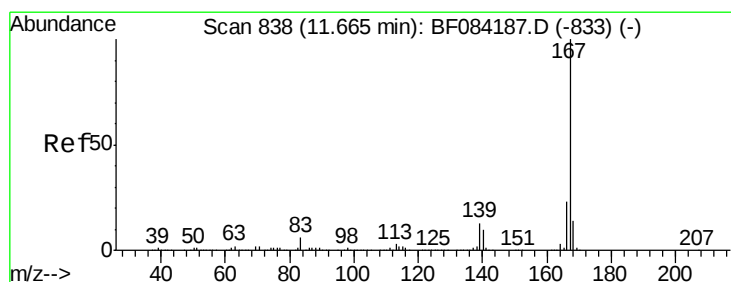
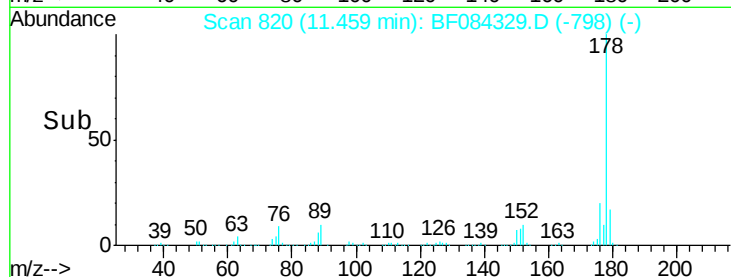
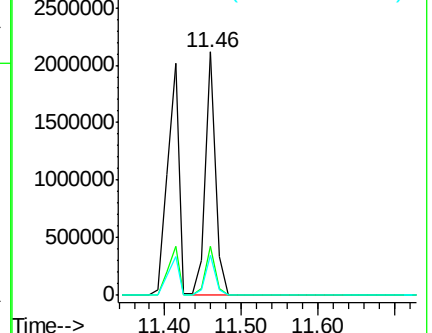
179 16.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.93 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

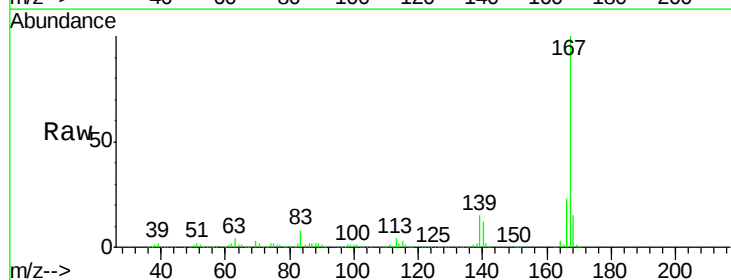
Tgt Ion:167 Resp: 1888100

Ion Ratio Lower Upper

167 100

166 23.3 17.6 26.4

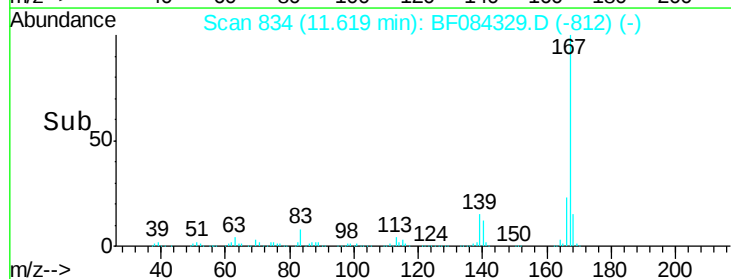
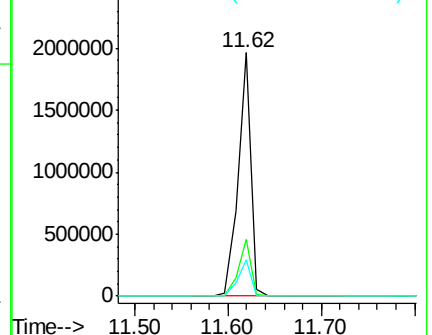
139 15.0 11.8 17.8

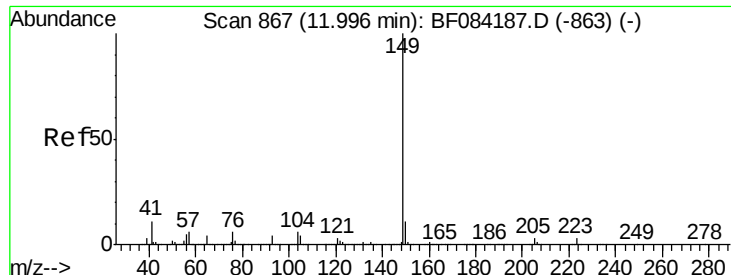


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 41.87 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

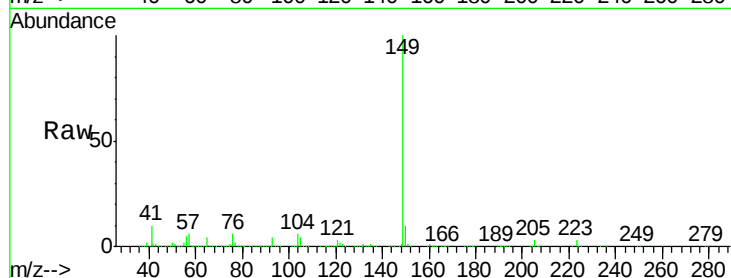
Tgt Ion:149 Resp: 2142235

Ion Ratio Lower Upper

149 100

150 10.4 7.1 10.7

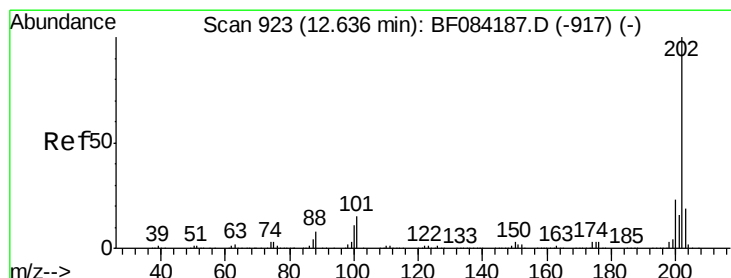
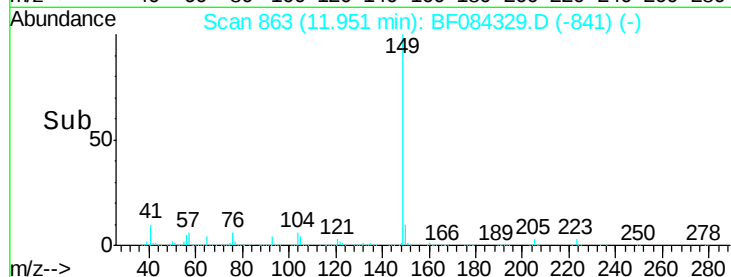
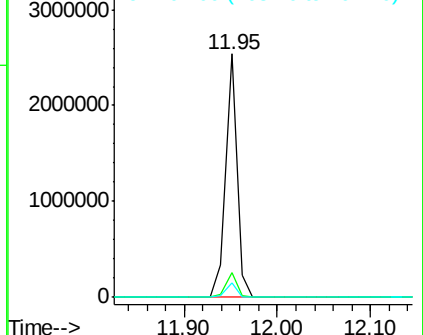
104 6.2 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.33 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

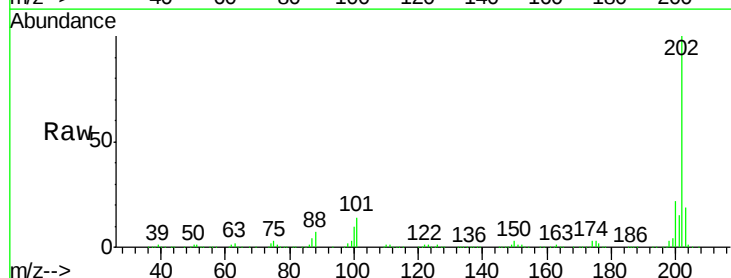
Tgt Ion:202 Resp: 2078625

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.8

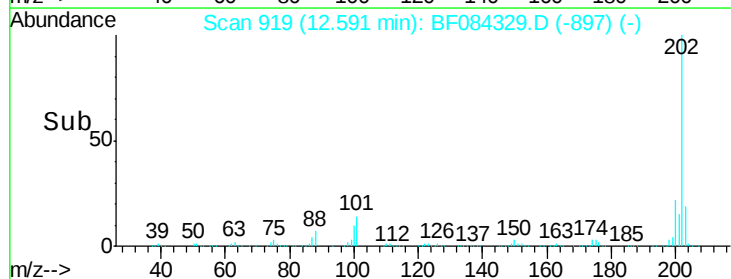
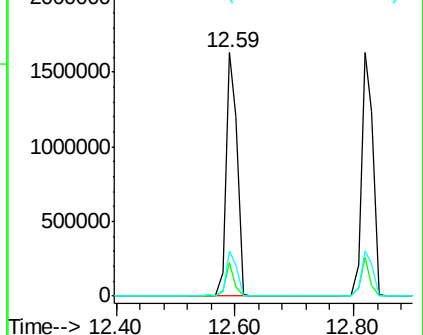
203 18.6 0.0 37.9

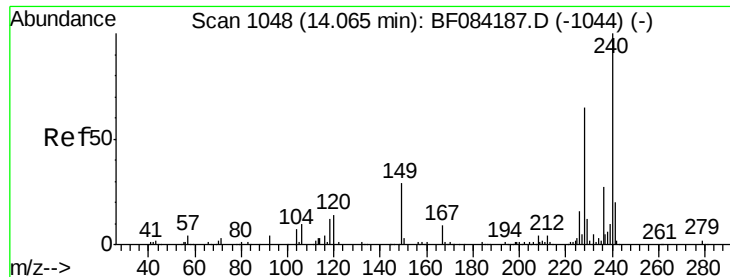


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

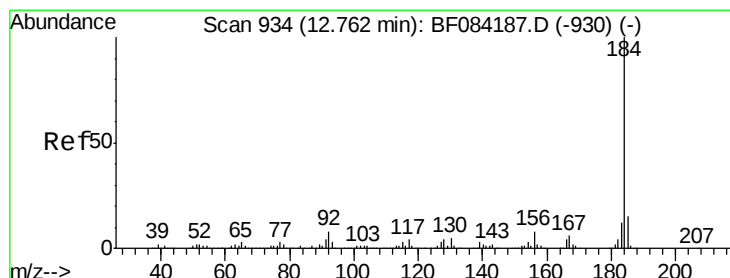
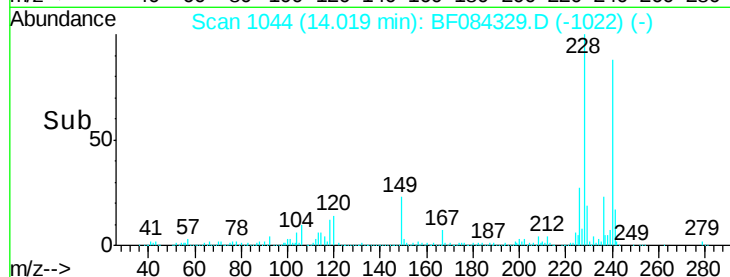
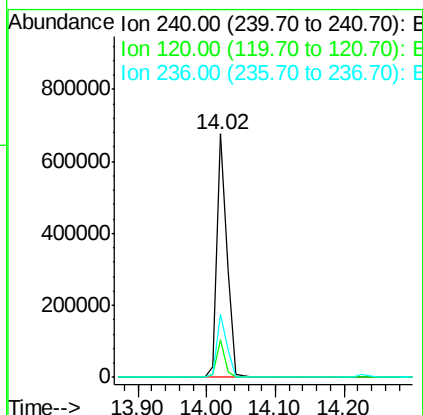
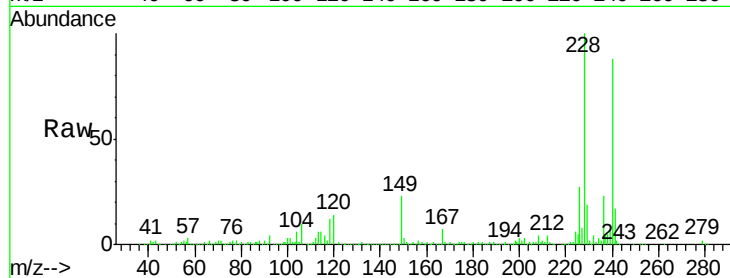
Instrument :

BNA\_F

ClientSampleId :

PB87668BS

Tgt Ion:240 Resp: 703757  
 Ion Ratio Lower Upper  
 240 100  
 120 15.6 9.5 14.3#  
 236 26.1 20.6 31.0



#76

Benzidine

Concen: 25.15 ng

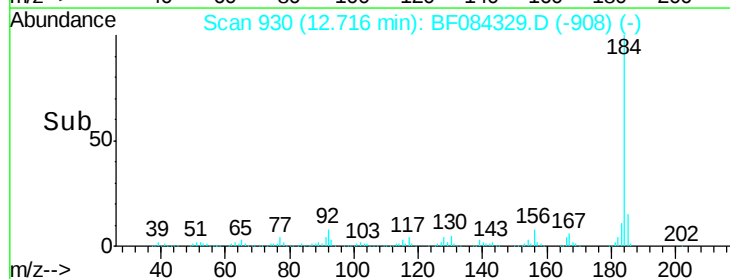
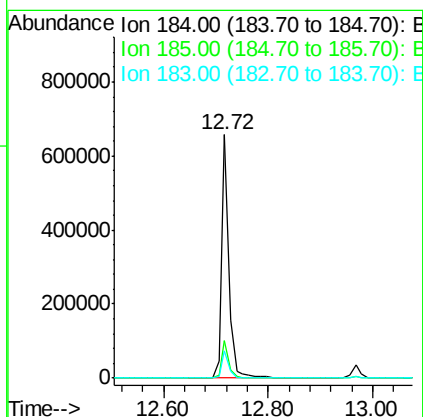
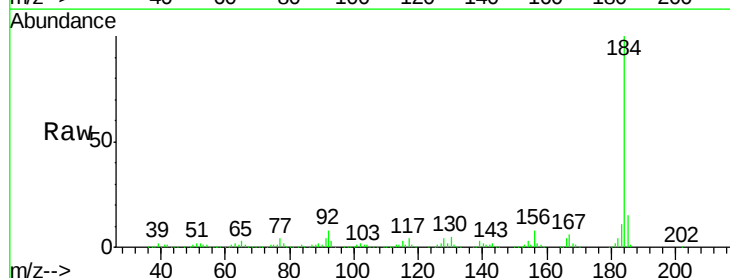
RT: 12.72 min Scan# 930

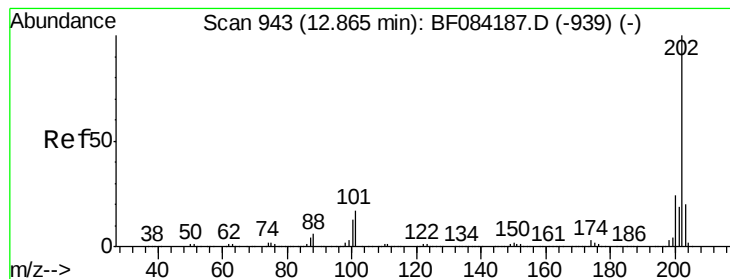
Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Tgt Ion:184 Resp: 634643  
 Ion Ratio Lower Upper  
 184 100  
 185 15.2 12.2 18.2  
 183 11.5 9.8 14.8





#77

Pyrene

Concen: 38.54 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

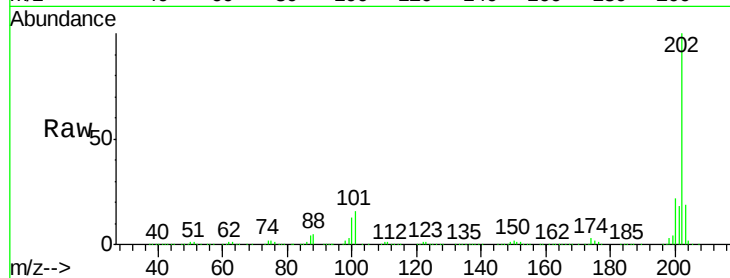
Tgt Ion:202 Resp: 2128509

Ion Ratio Lower Upper

202 100

200 22.2 17.2 25.8

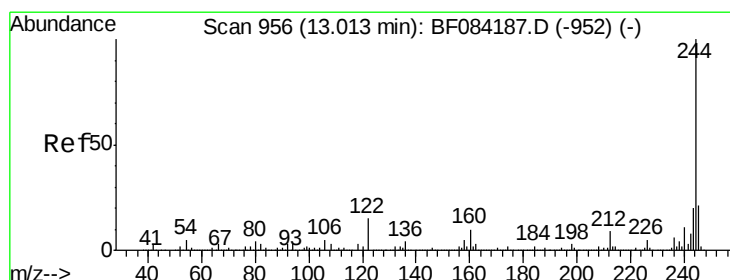
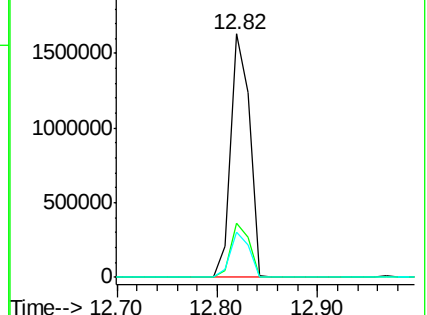
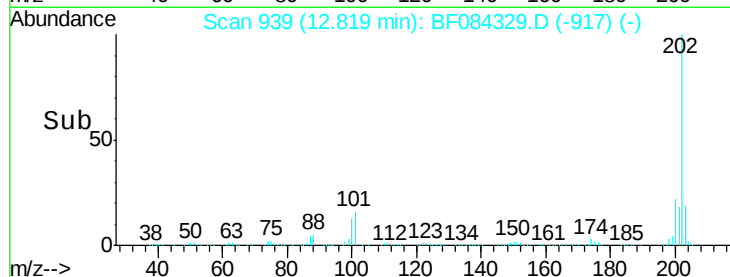
203 18.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.62 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

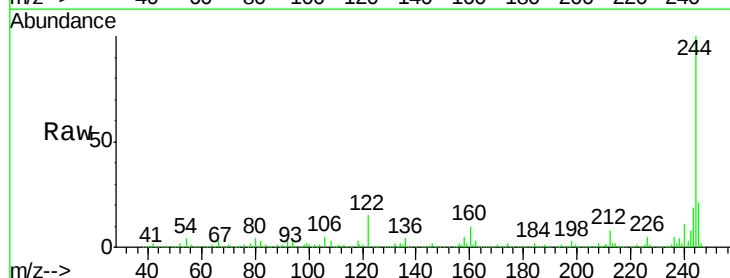
Tgt Ion:244 Resp: 2384097

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

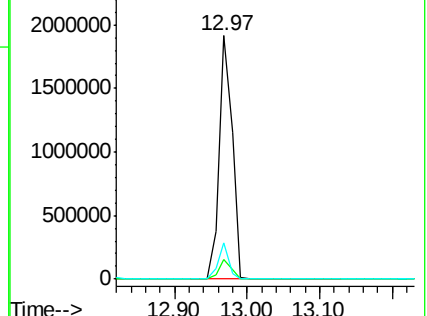
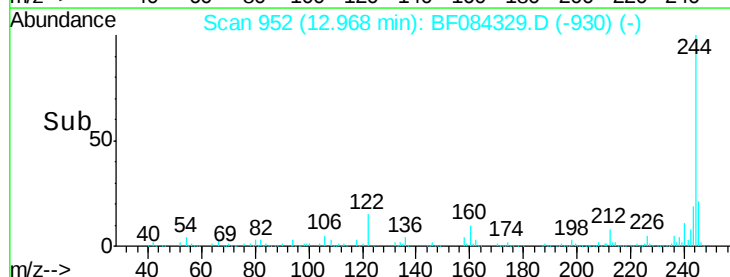
122 15.0 7.4 11.0#

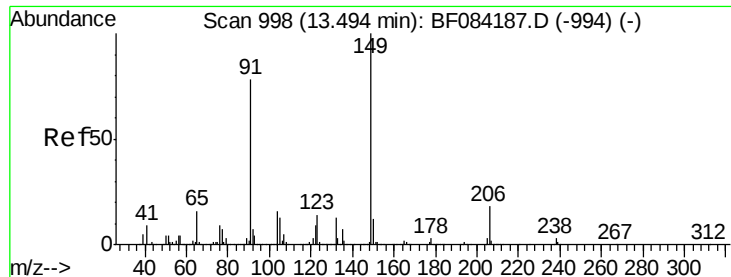


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

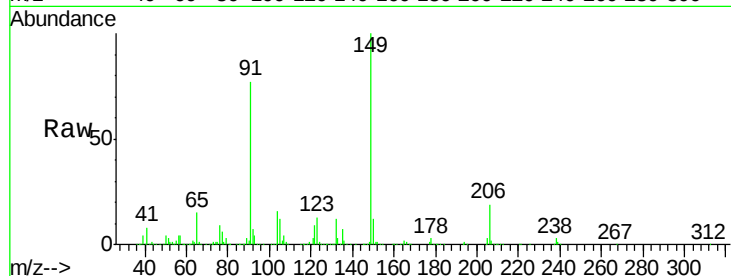




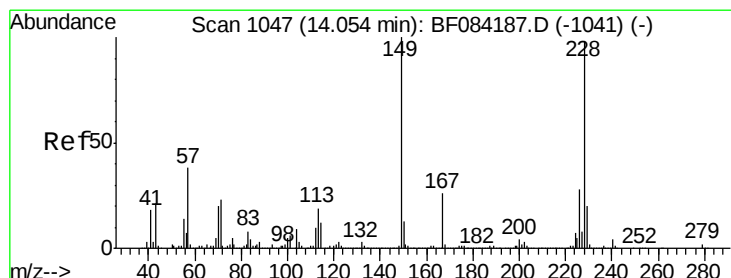
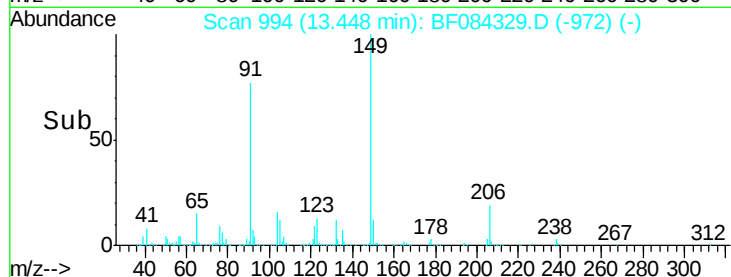
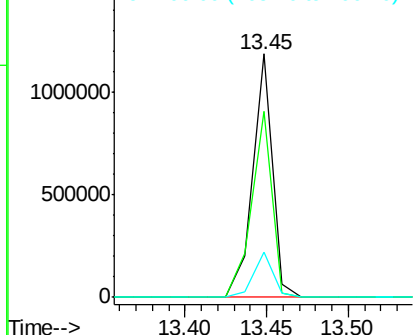
#79  
Butylbenzylphthalate  
Concen: 41.82 ng  
RT: 13.45 min Scan# 994  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

Tgt Ion:149 Resp: 999359  
Ion Ratio Lower Upper  
149 100  
91 76.5 57.6 86.4  
206 18.8 13.2 19.8

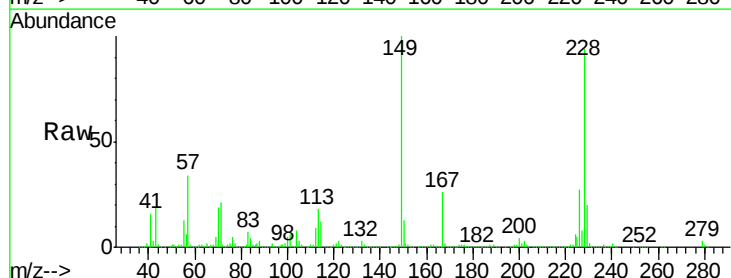


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

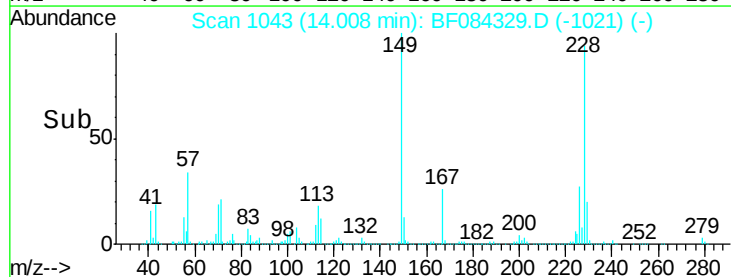
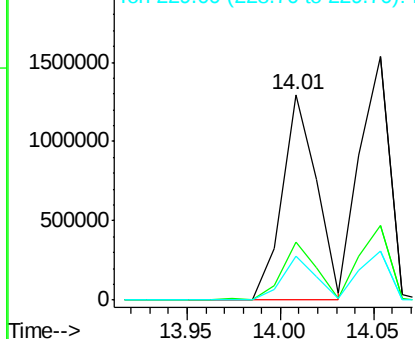


#80  
Benzo(a)anthracene  
Concen: 40.44 ng  
RT: 14.01 min Scan# 1043  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:228 Resp: 1671277  
Ion Ratio Lower Upper  
228 100  
226 28.1 21.8 32.6  
229 21.2 15.8 23.8



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

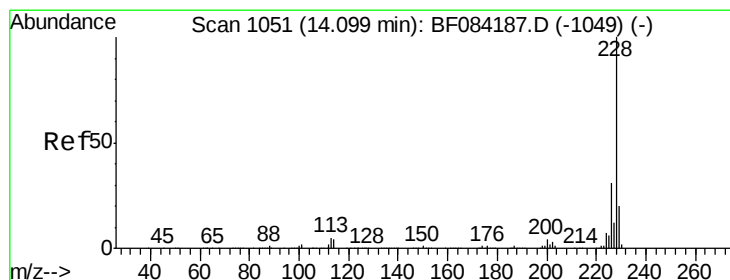
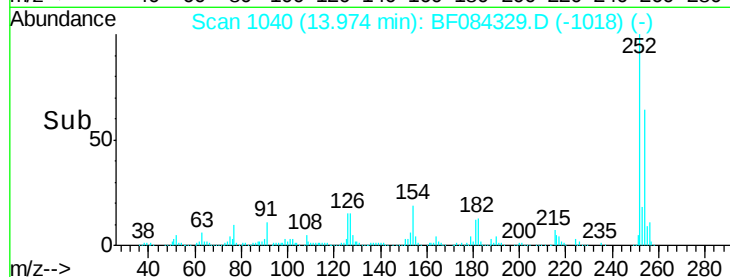
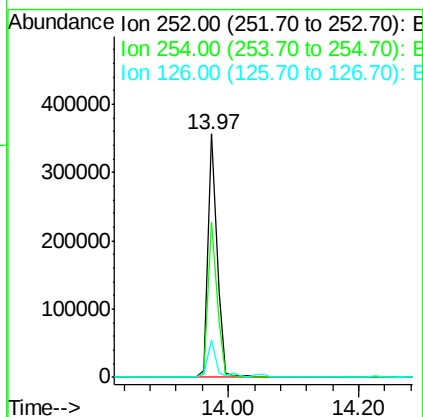
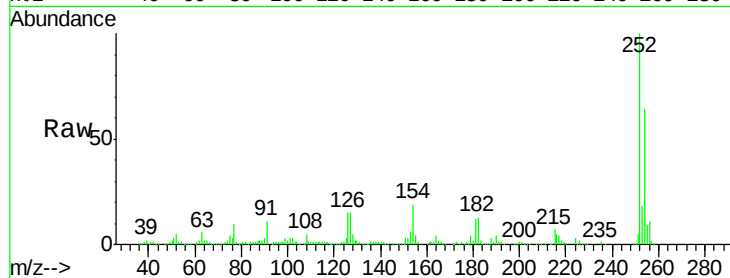




#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.24 ng  
 RT: 13.97 min Scan# 1040  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

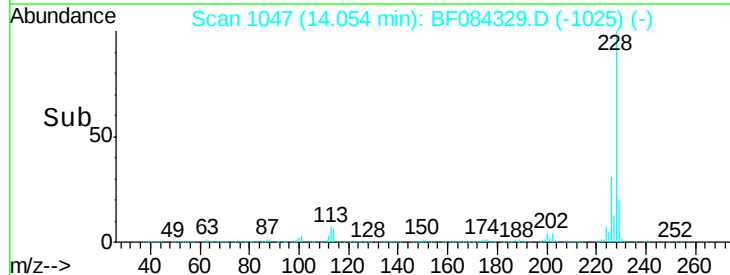
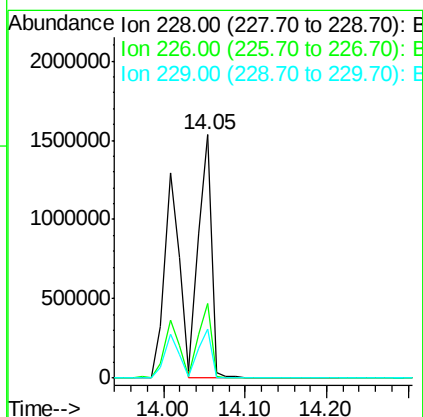
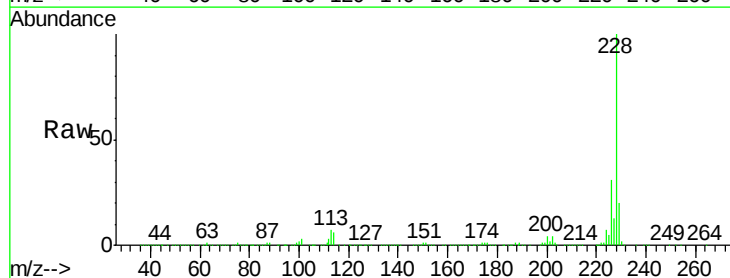
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Tgt Ion:252 Resp: 349536  
 Ion Ratio Lower Upper  
 252 100  
 254 63.9 53.5 80.3  
 126 15.4 4.9 7.3#



#82  
 Chrysene  
 Concen: 43.47 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:228 Resp: 1726213  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 24.3 36.5  
 229 20.1 16.1 24.1

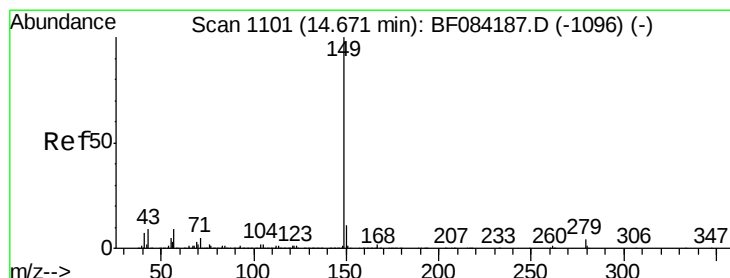
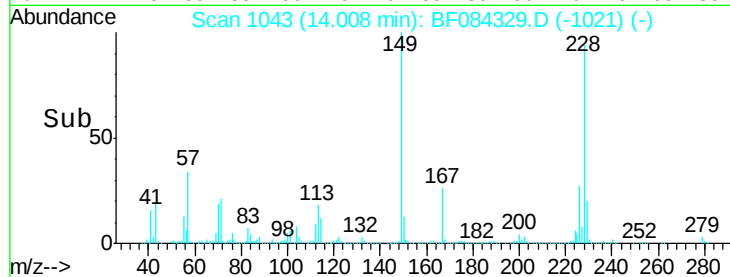
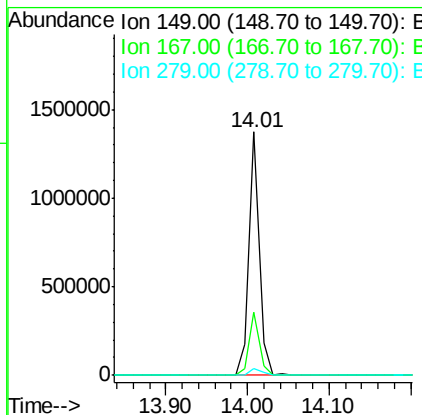
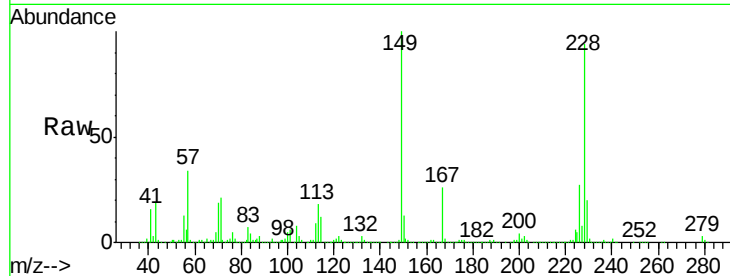




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.88 ng  
 RT: 14.01 min Scan# 1043  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

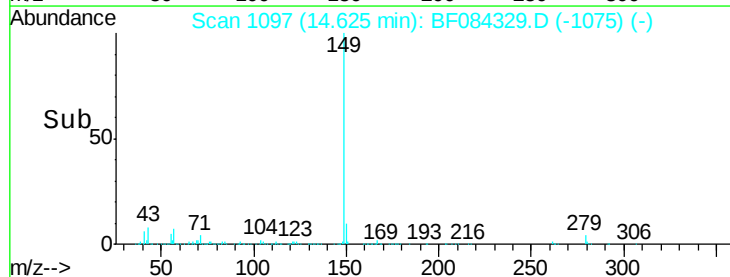
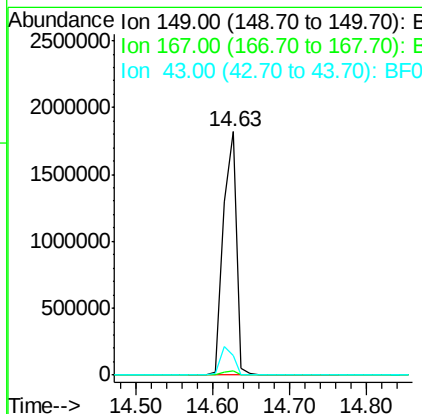
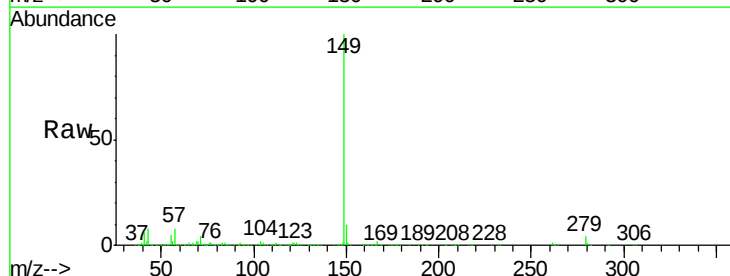
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

Tgt Ion:149 Resp: 1203943  
 Ion Ratio Lower Upper  
 149 100  
 167 26.1 19.7 29.5  
 279 2.6 1.8 2.6



#84  
 Di-n-octyl phthalate  
 Concen: 43.27 ng  
 RT: 14.63 min Scan# 1097  
 Delta R.T. -0.05 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion:149 Resp: 2205623  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 11.6 5.6 8.4#

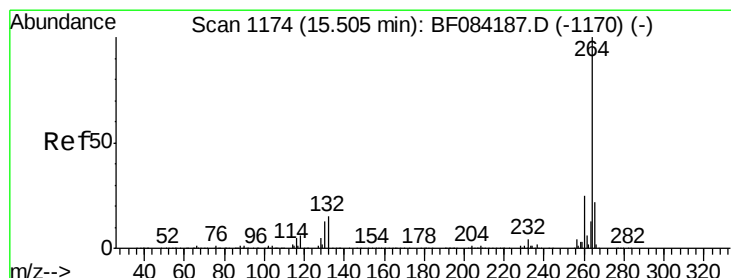
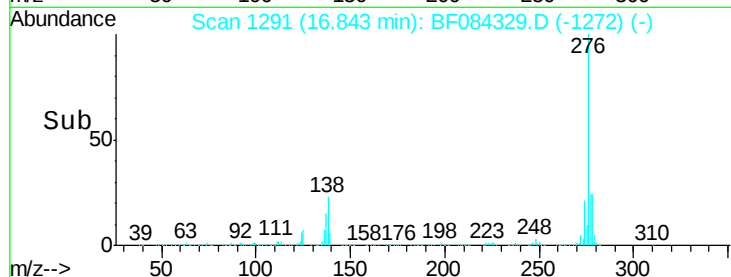
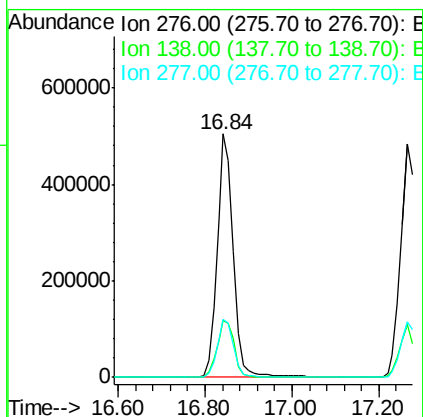
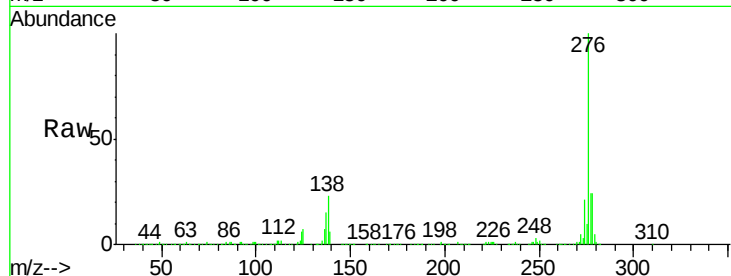




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.83 ng  
 RT: 16.84 min Scan# 1291  
 Delta R.T. -0.08 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

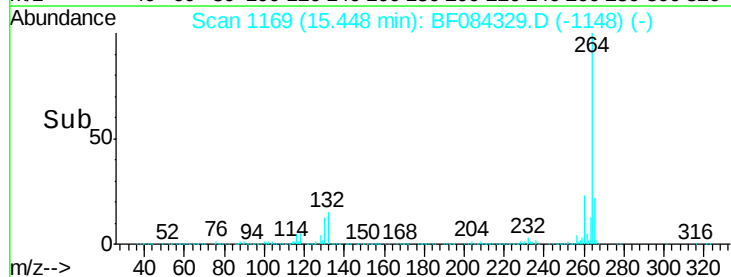
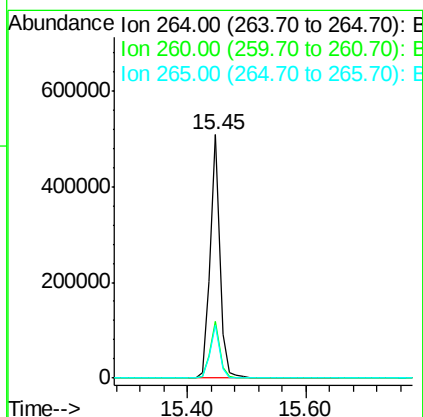
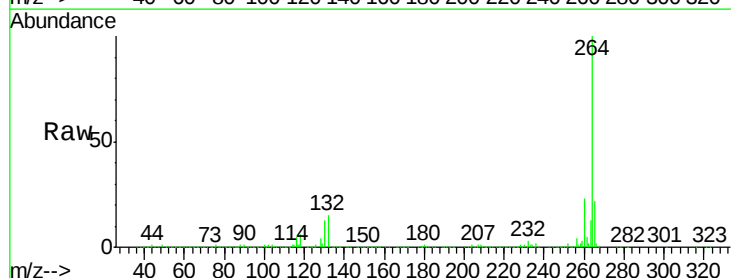
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BS

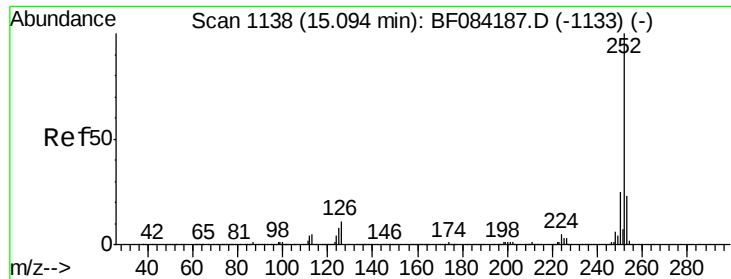
Tgt Ion: 276 Resp: 1316714  
 Ion Ratio Lower Upper  
 276 100  
 138 25.2 20.6 30.8  
 277 24.6 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1169  
 Delta R.T. -0.06 min  
 Lab File: BF084329.D  
 Acq: 8 Jan 2016 15:50

Tgt Ion: 264 Resp: 580044  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.4 29.2  
 265 21.5 17.8 26.6

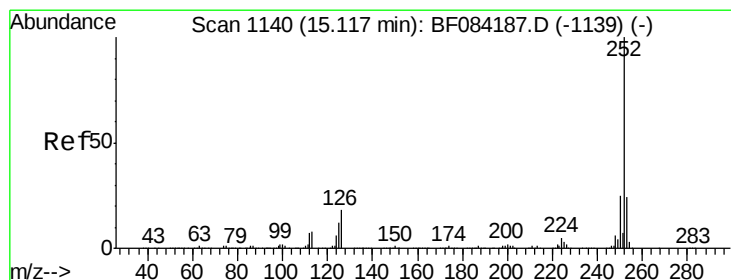
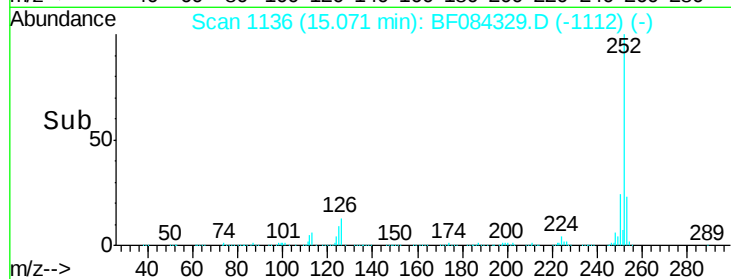
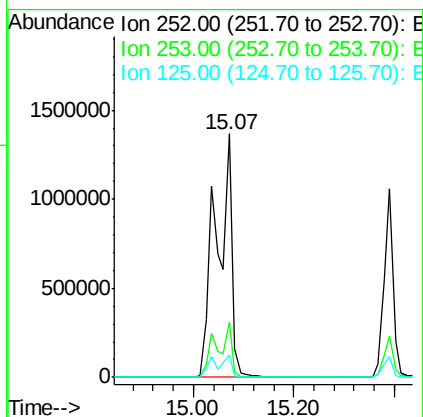
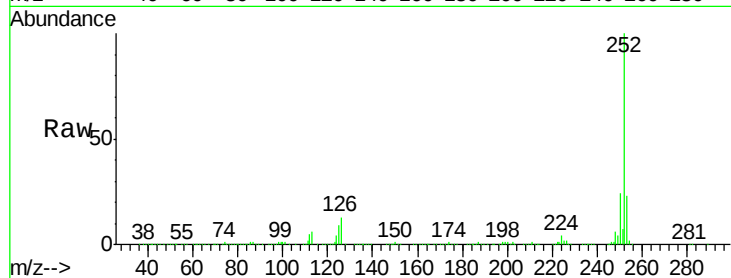




#87  
Benzo(b)fluoranthene  
Concen: 78.28 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.02 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

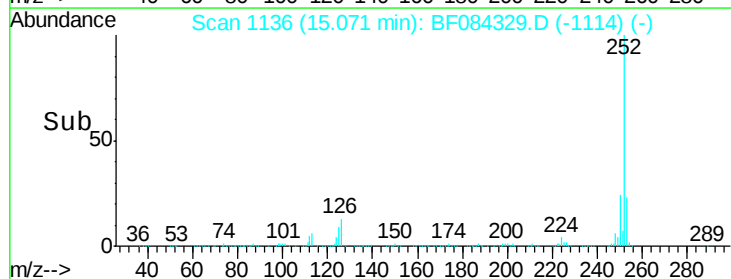
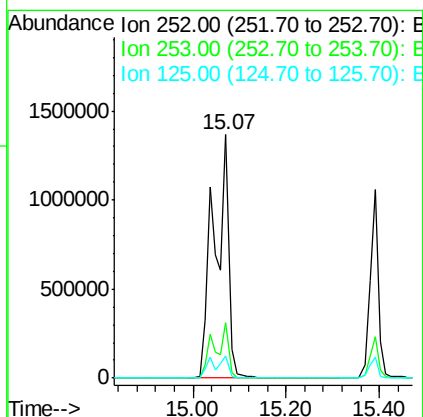
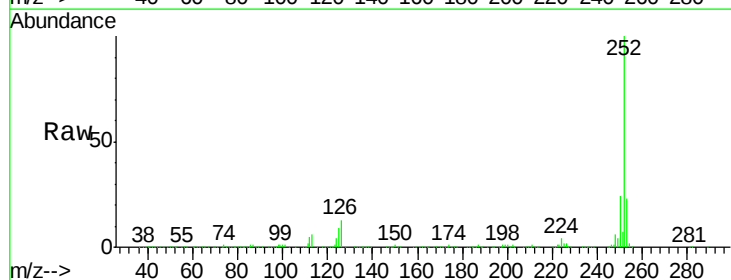
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BS

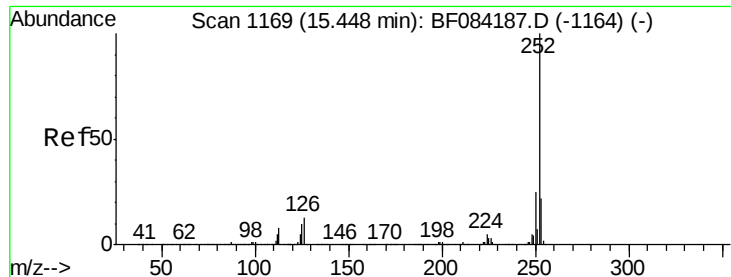
Tgt Ion:252 Resp: 2970345  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.3 25.9  
125 9.2 6.5 9.7



#88  
Benzo(k)fluoranthene  
Concen: 95.78 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.05 min  
Lab File: BF084329.D  
Acq: 8 Jan 2016 15:50

Tgt Ion:252 Resp: 2972077  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.1 27.1  
125 9.2 9.0 13.6





#89

Benzo(a)pyrene

Concen: 41.96 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

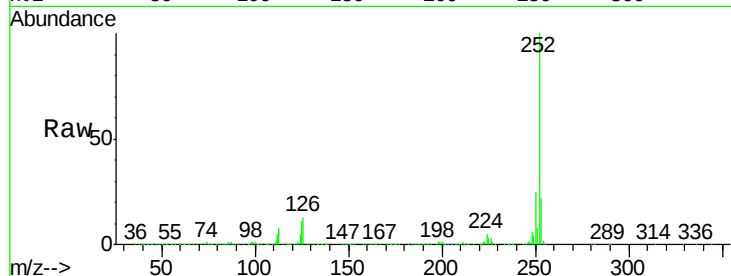
Tgt Ion:252 Resp: 1350563

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

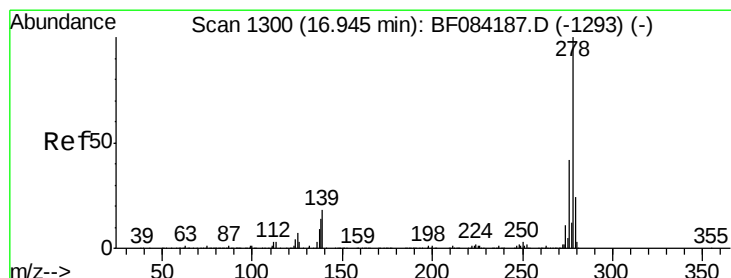
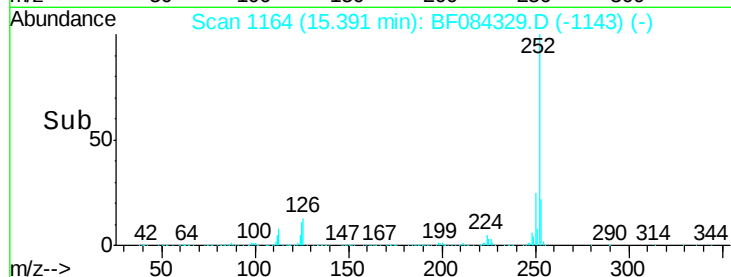
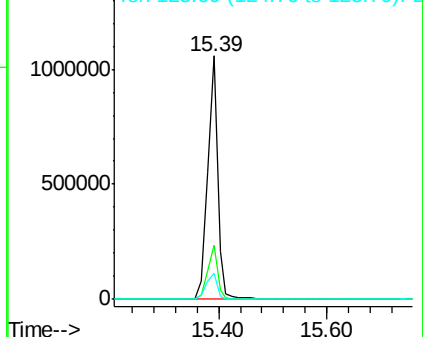
125 10.8 7.0 10.4#



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: 39.04 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.08 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

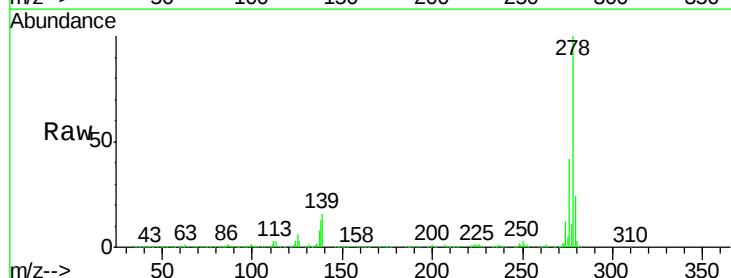
Tgt Ion:278 Resp: 1081223

Ion Ratio Lower Upper

278 100

139 16.2 15.0 22.4

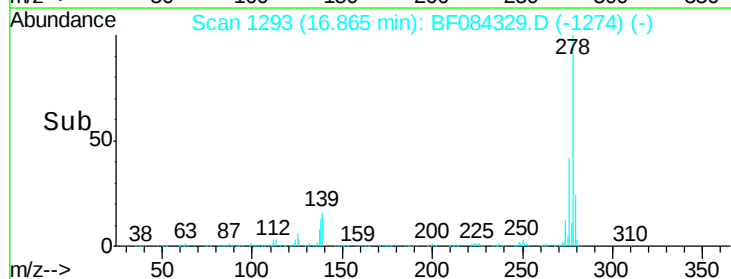
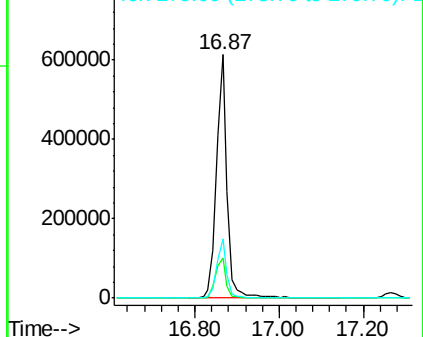
279 24.4 18.9 28.3

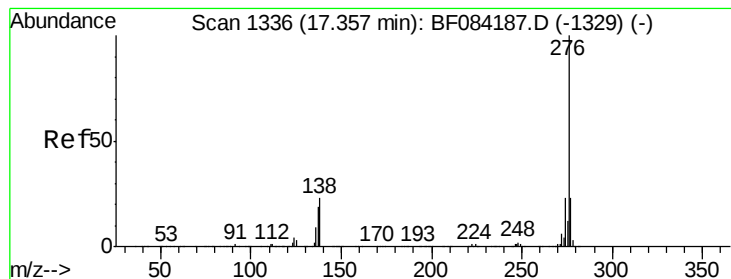


Abundance Ion 278.00 (277.70 to 278.70): E

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: 38.14 ng

RT: 17.27 min Scan# 1328

Delta R.T. -0.09 min

Lab File: BF084329.D

Acq: 8 Jan 2016 15:50

Instrument :

BNA\_F

ClientSampleId :

PB87668BS

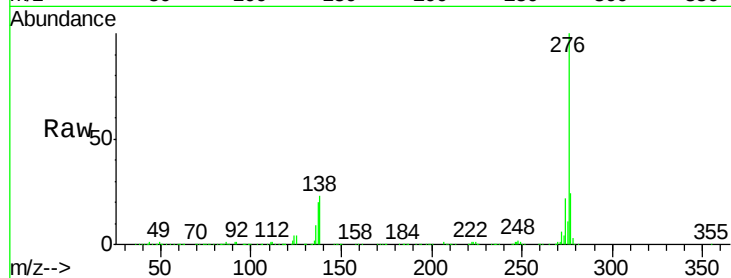
Tgt Ion:276 Resp: 1093917

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 22.8 17.8 26.6



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

