

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042815\  
 Data File : BF078798.D  
 Acq On : 29 Apr 2015 2:38  
 Operator : TP/IZ  
 Sample : PB82973BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82973BL

Quant Time: Apr 29 04:11:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 29 03:47:53 2015  
 Response via : Initial Calibration

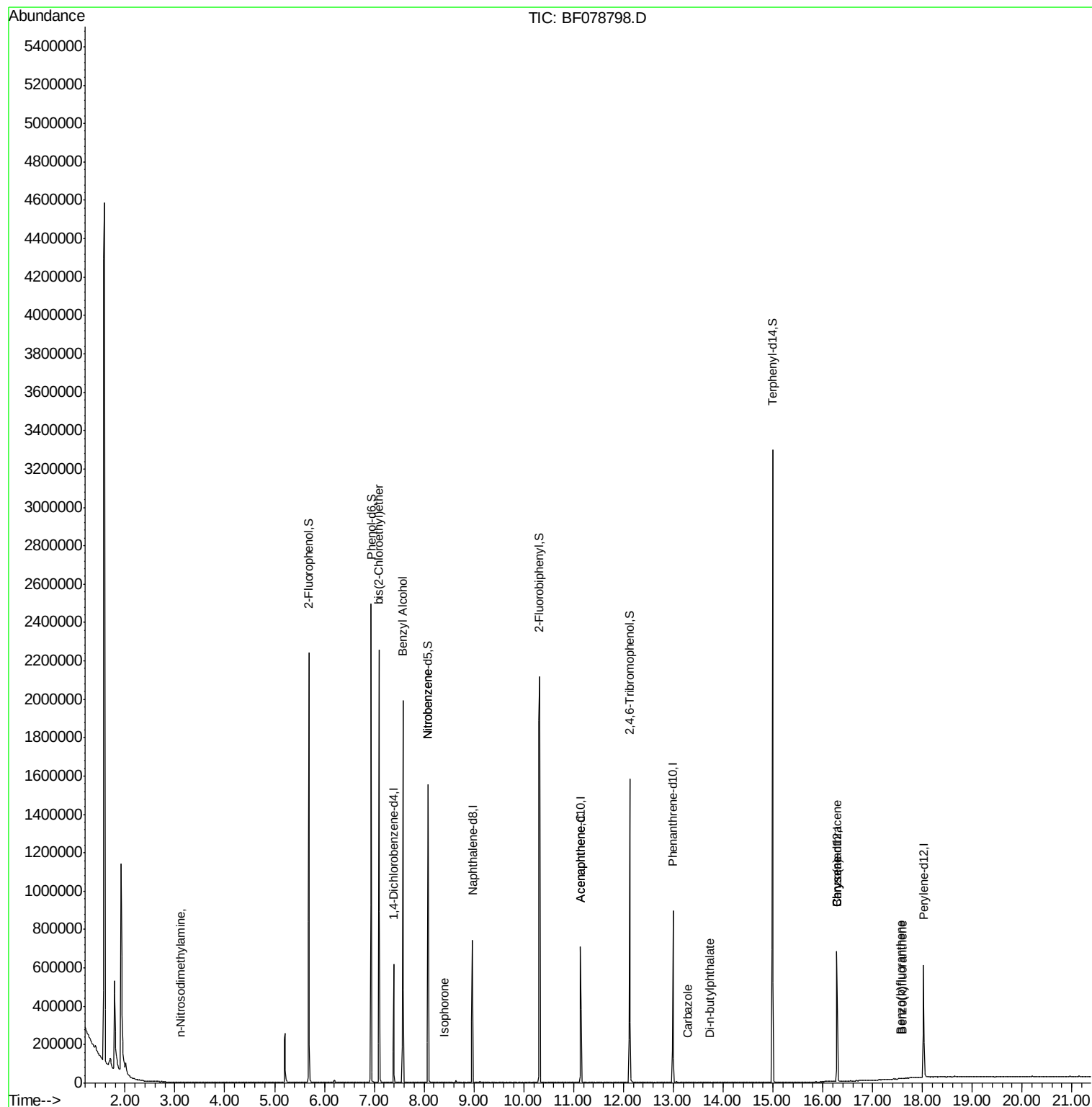
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 90611    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.97  | 136  | 364246   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.14 | 164  | 163327   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.99 | 188  | 320965   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.29 | 240  | 289754   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 18.02 | 264  | 270228   | 20.00  | ng    | -0.09    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 639371   | 129.60 | ng    | 0.01     |
| 7) Phenol-d6                | 6.94  | 99   | 867378   | 131.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.08  | 82   | 427019   | 84.41  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.13 | 330  | 178229   | 110.58 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.32 | 172  | 950090   | 79.66  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.99 | 244  | 1059275  | 87.06  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 4) n-Nitrosodimethylamine   | 3.11  | 42   | 219      | 0.07   | ng    | # 1      |
| 11) bis(2-Chloroethyl)ether | 7.10  | 93   | 795      | 0.14   | ng    | # 1      |
| 15) Benzyl Alcohol          | 7.58  | 79   | 8941     | 1.82   | ng    | # 48     |
| 24) Nitrobenzene            | 8.08  | 77   | 1330     | 0.25   | ng    | # 35     |
| 25) Isophorone              | 8.40  | 82   | 259      | 0.02   | ng    | # 69     |
| 51) Acenaphthene            | 11.14 | 154  | 475      | 0.05   | ng    | # 4      |
| 72) Carbazole               | 13.29 | 167  | 211      | 0.01   | ng    | # 58     |
| 73) Di-n-butylphthalate     | 13.74 | 149  | 215      | 2.41   | ng    | # 77     |
| 80) Benzo(a)anthracene      | 16.29 | 228  | 1027     | 0.07   | ng    | # 51     |
| 82) Chrysene                | 16.29 | 228  | 1027     | 0.07   | ng    | # 49     |
| 87) Benzo(b)fluoranthene    | 17.57 | 252  | 209      | 0.01   | ng    | # 59     |
| 88) Benzo(k)fluoranthene    | 17.60 | 252  | 207      | 0.01   | ng    | # 58     |

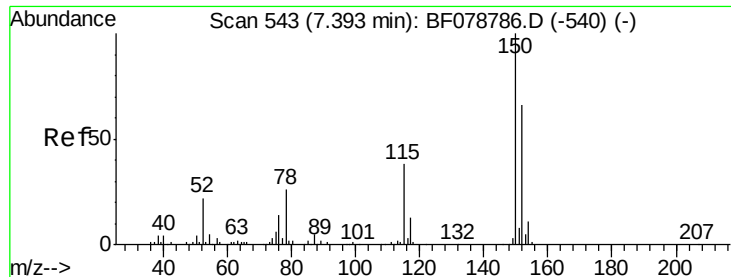
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 29 03:47:53 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.39 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

Instrument :

BNA\_F

ClientSampleId :

PB82973BL

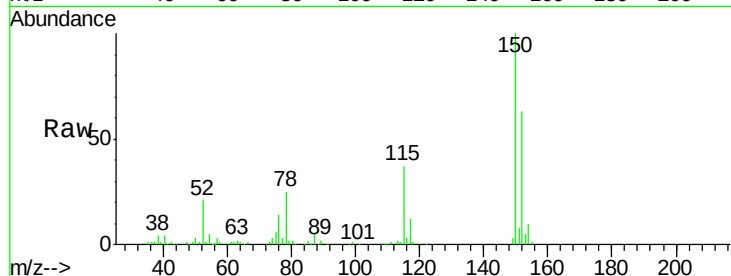
Tgt Ion:152 Resp: 90611

Ion Ratio Lower Upper

152 100

150 157.8 122.0 183.0

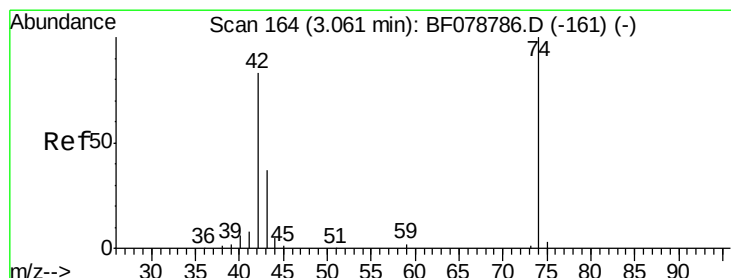
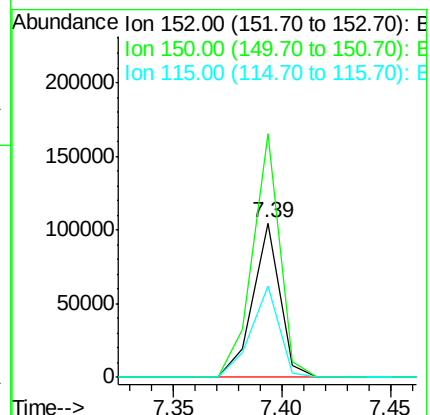
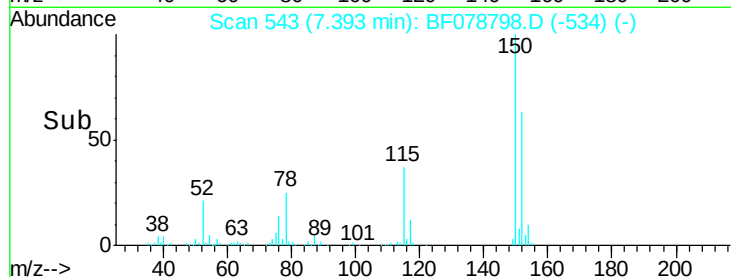
115 59.0 46.3 69.5



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



#4

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.11 min Scan# 168

Delta R.T. 0.05 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

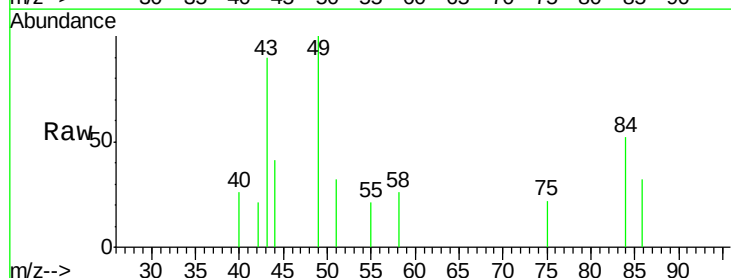
Tgt Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

74 0.0 96.5 144.7#

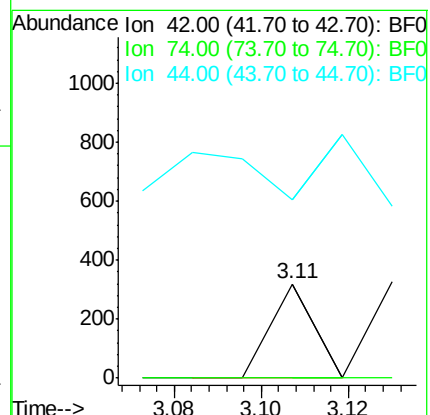
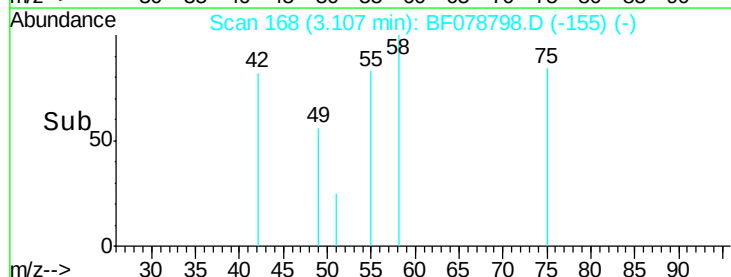
44 189.3 6.1 9.1#

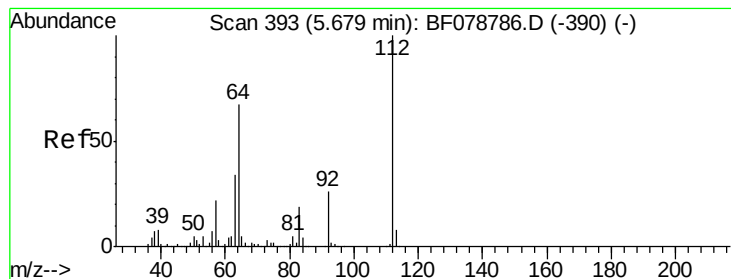


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 129.60 ng

RT: 5.69 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

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BNA\_F

ClientSampleId :

PB82973BL

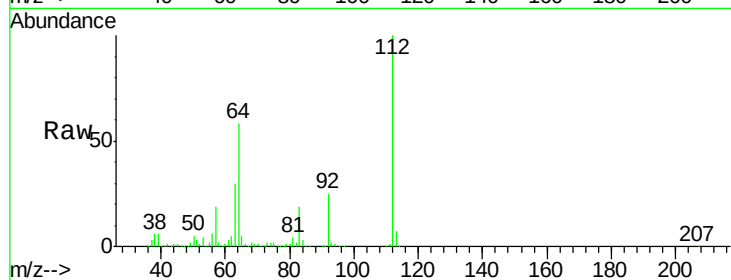
Tgt Ion: 112 Resp: 639371

Ion Ratio Lower Upper

112 100

64 58.3 53.5 80.3

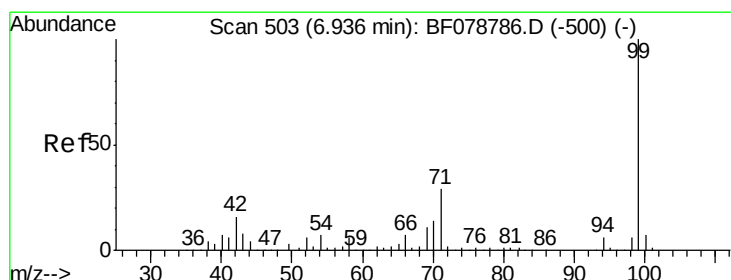
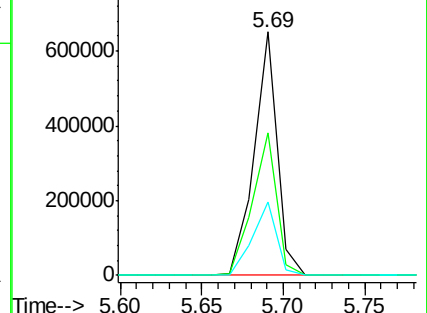
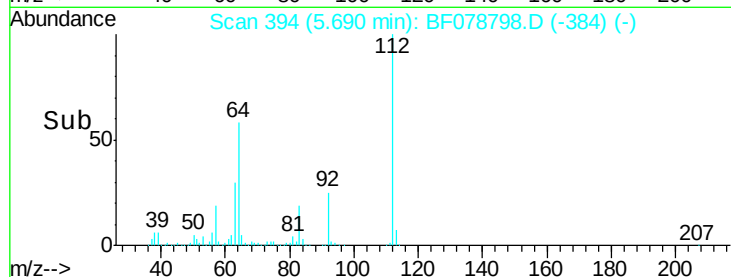
63 30.0 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 131.64 ng

RT: 6.94 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

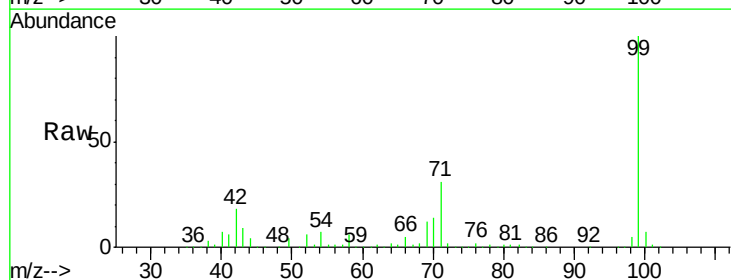
Tgt Ion: 99 Resp: 867378

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

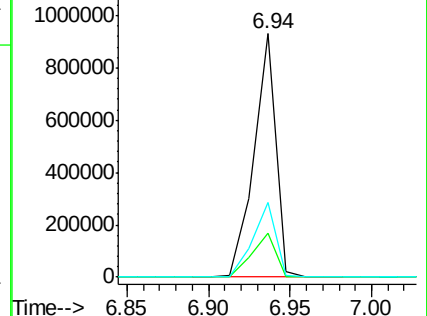
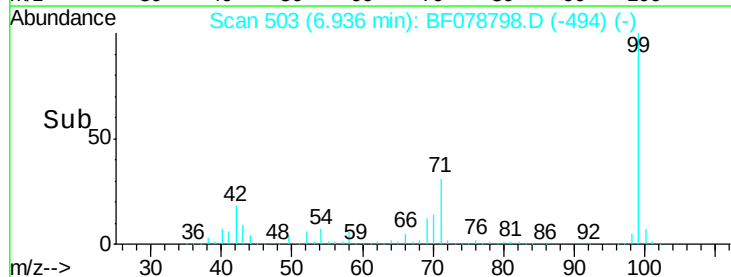
71 30.5 23.4 35.2

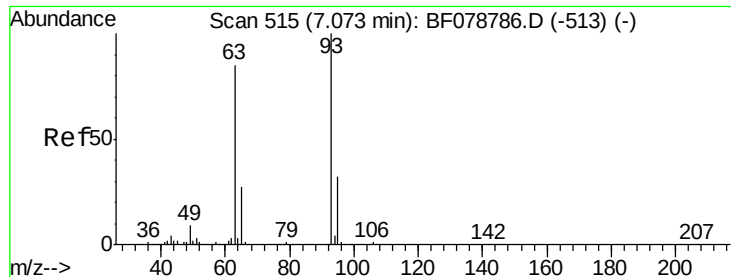


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

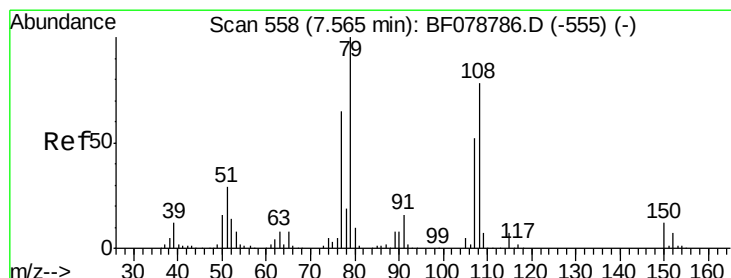
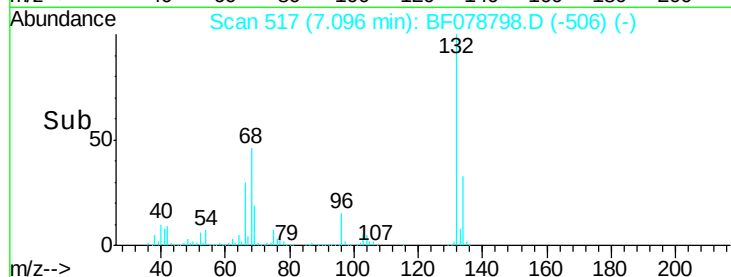
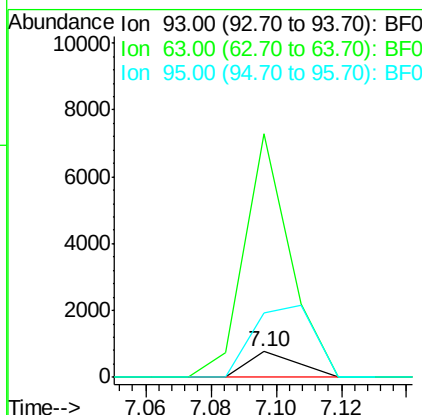
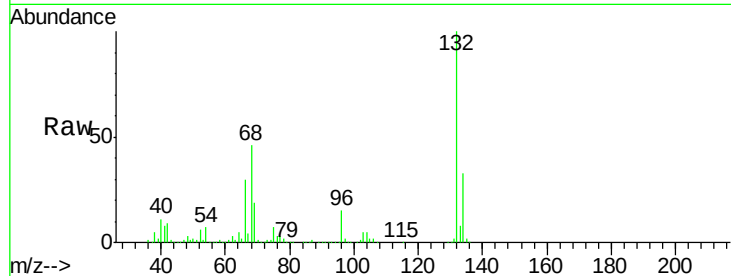




#11  
bis(2-Chloroethyl)ether  
Concen: 0.14 ng  
RT: 7.10 min Scan# 517  
Delta R.T. 0.02 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

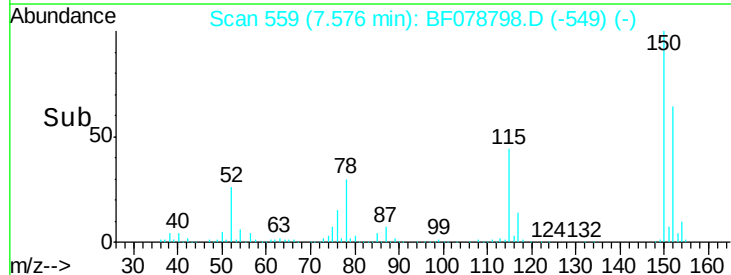
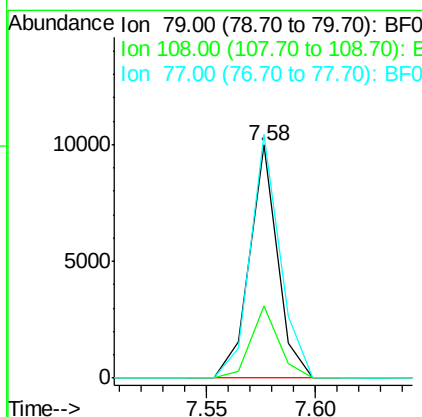
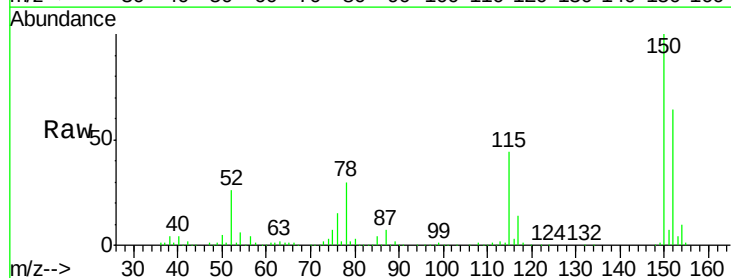
Instrument :  
BNA\_F  
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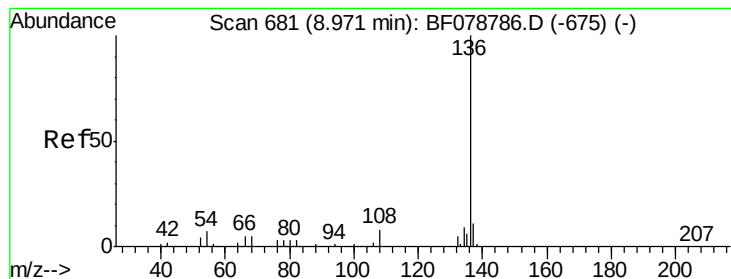
Tgt Ion: 93 Resp: 795  
Ion Ratio Lower Upper  
93 100  
63 948.6 64.8 104.8#  
95 252.1 12.4 52.4#



#15  
Benzyl Alcohol  
Concen: 1.82 ng  
RT: 7.58 min Scan# 559  
Delta R.T. 0.01 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

Tgt Ion: 79 Resp: 8941  
Ion Ratio Lower Upper  
79 100  
108 30.8 62.5 93.7#  
77 104.5 52.2 78.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.97 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

Instrument :

BNA\_F

ClientSampleID :

PB82973BL

Tgt Ion: 136 Resp: 364246

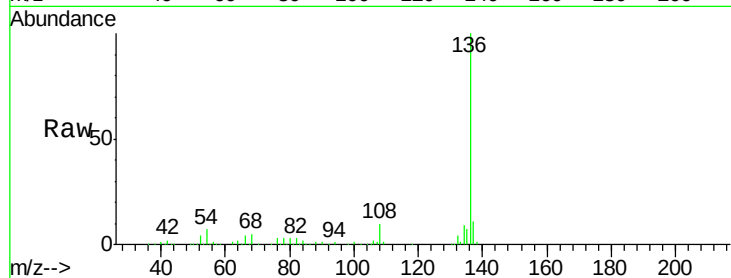
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.9 5.8 8.8

68 5.0 4.2 6.4

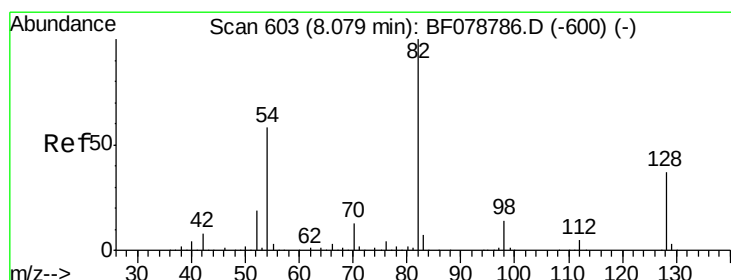
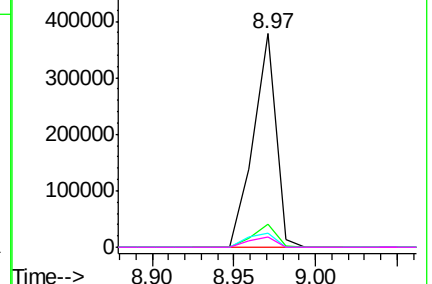
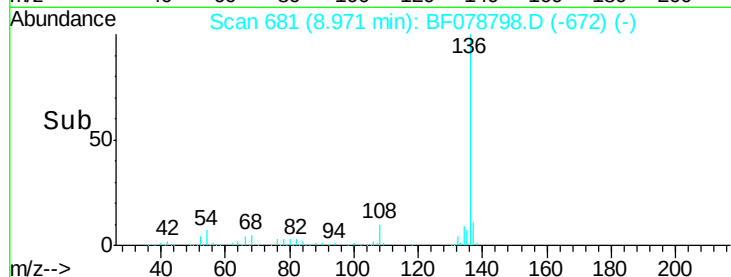


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.41 ng

RT: 8.08 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

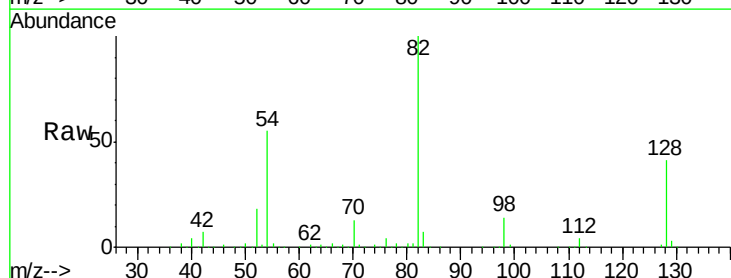
Tgt Ion: 82 Resp: 427019

Ion Ratio Lower Upper

82 100

128 40.8 30.0 45.0

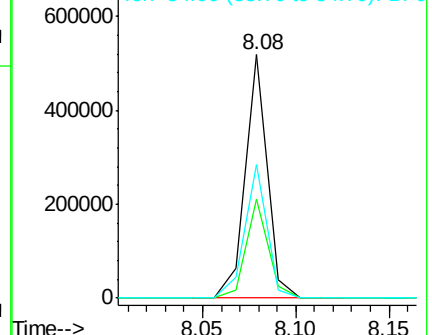
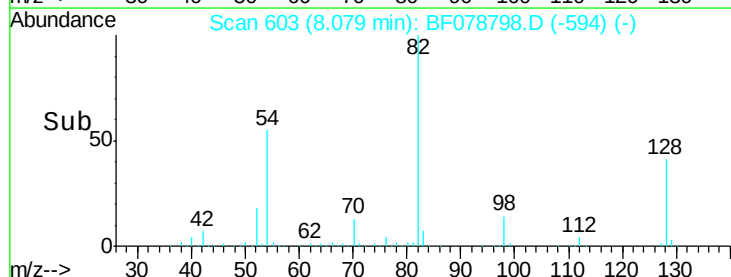
54 55.0 46.4 69.6

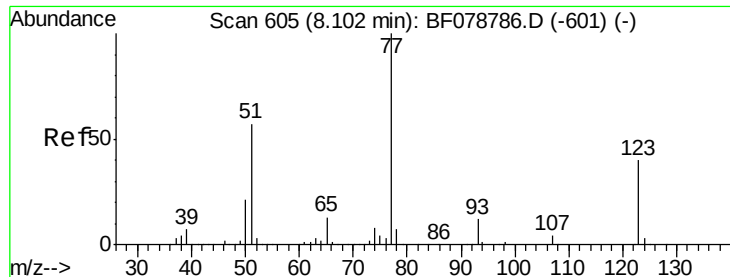


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

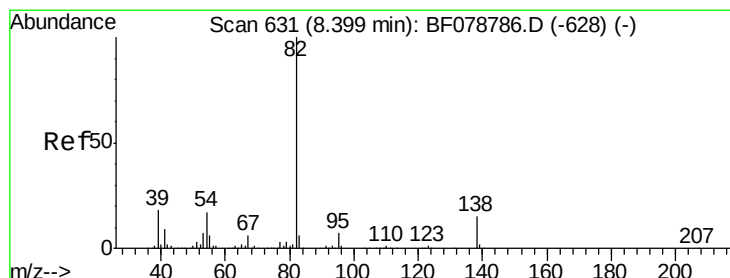
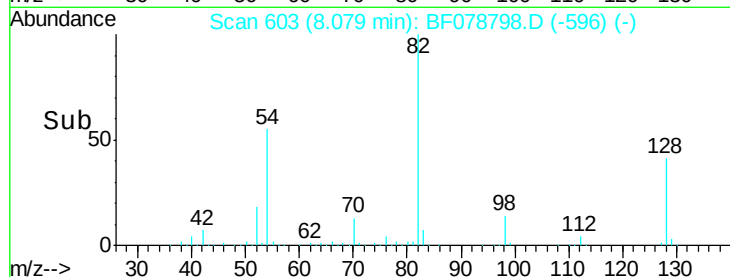
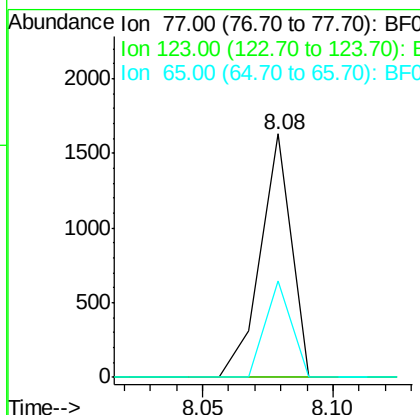
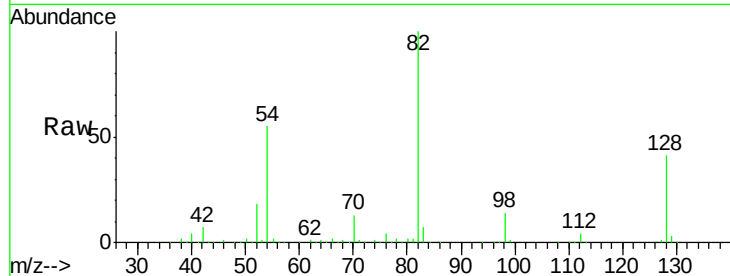




#24  
 Nitrobenzene  
 Concen: 0.25 ng  
 RT: 8.08 min Scan# 603  
 Delta R.T. -0.02 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

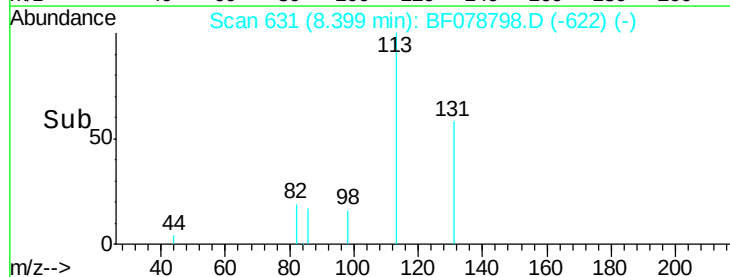
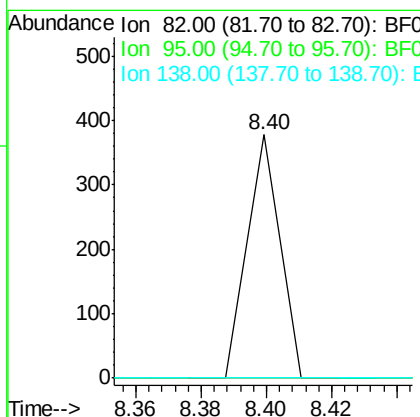
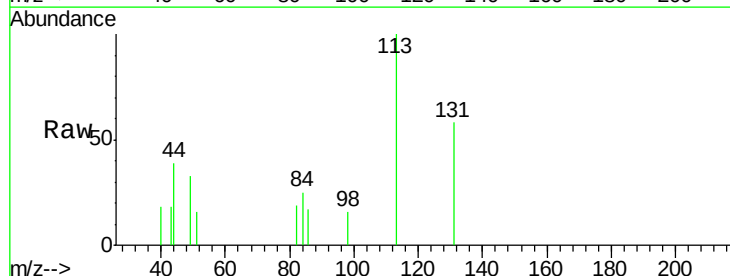
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 ClientSampleId :  
 PB82973BL

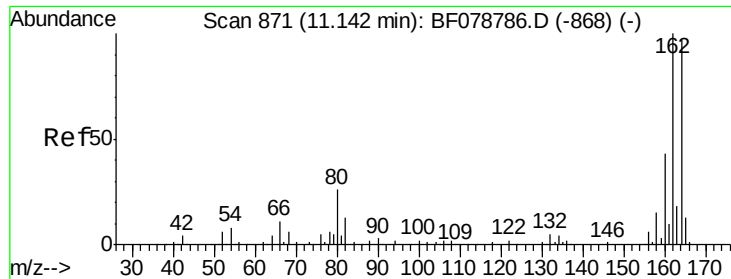
Tgt Ion: 77 Resp: 1330  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 31.8 47.8#  
 65 39.5 10.6 15.8#



#25  
 Isophorone  
 Concen: 0.02 ng  
 RT: 8.40 min Scan# 631  
 Delta R.T. -0.00 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

Tgt Ion: 82 Resp: 259  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 12.0 18.0#

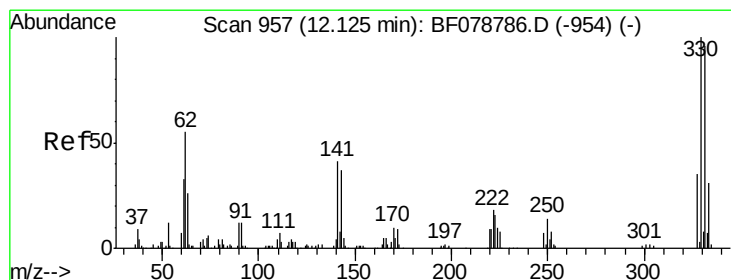
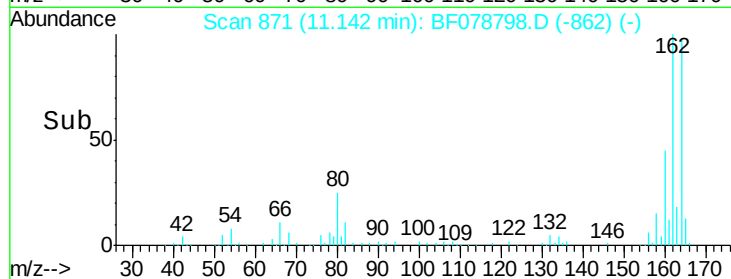
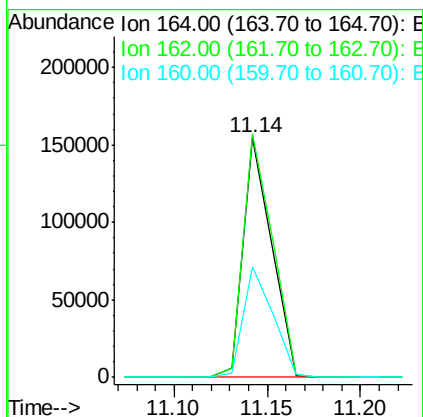
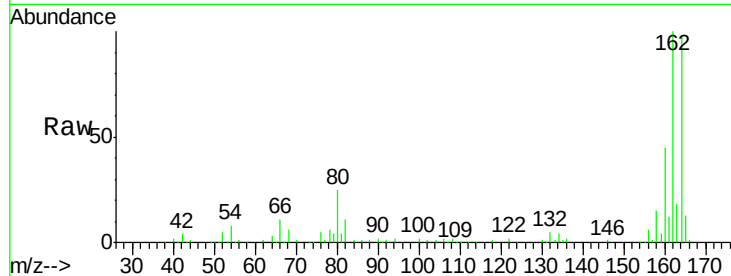




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 871  
 Delta R.T. -0.00 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

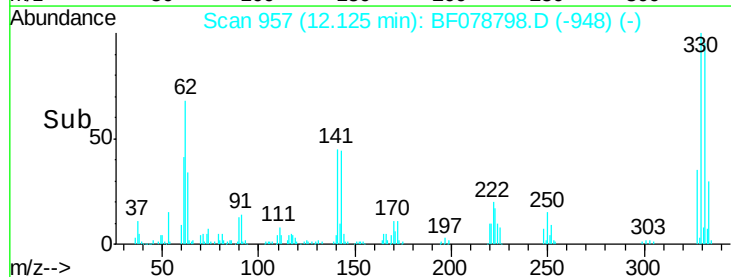
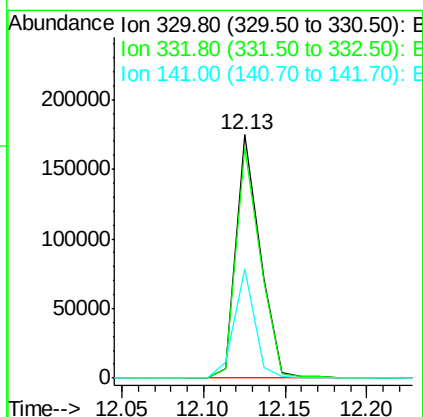
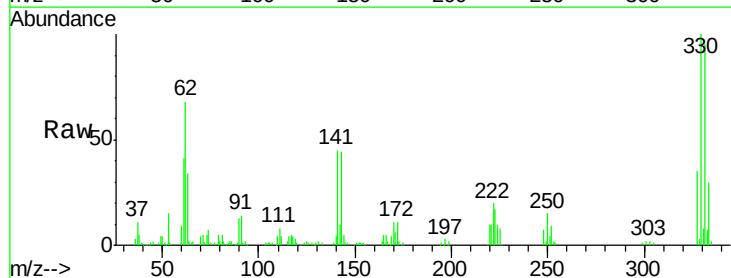
Instrument :  
 BNA\_F  
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 PB82973BL

Tgt Ion:164 Resp: 163327  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 82.7 124.1  
 160 46.0 35.8 53.8

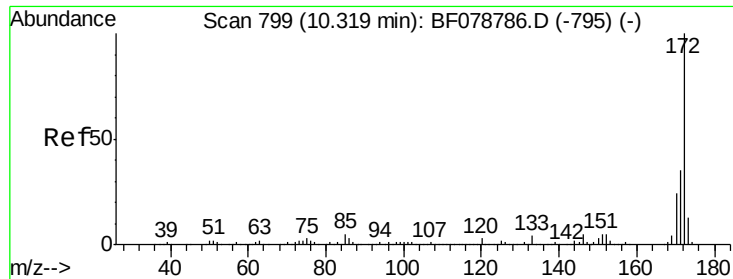


#41  
 2,4,6-Tribromophenol  
 Concen: 110.58 ng  
 RT: 12.13 min Scan# 957  
 Delta R.T. 0.00 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

Tgt Ion:330 Resp: 178229  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 0.0 0.0#  
 141 38.5 0.0 0.0#



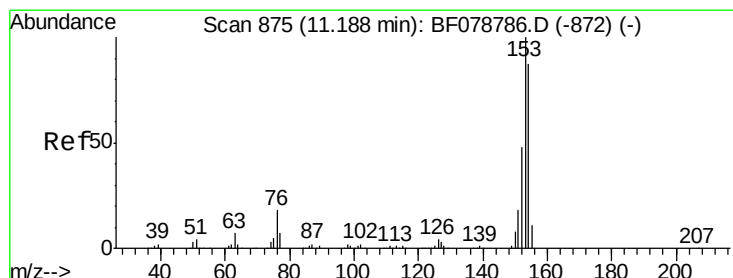
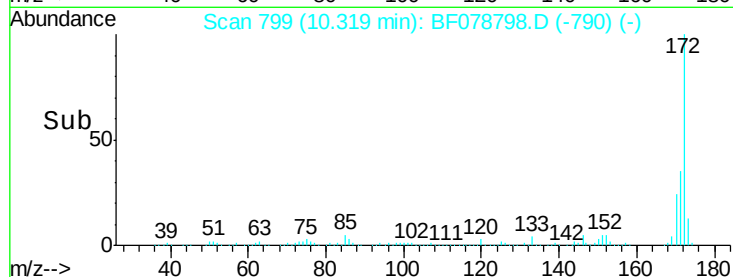
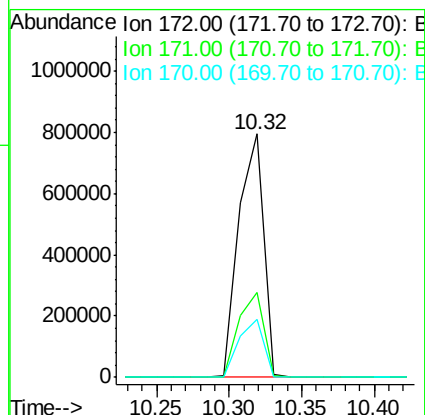
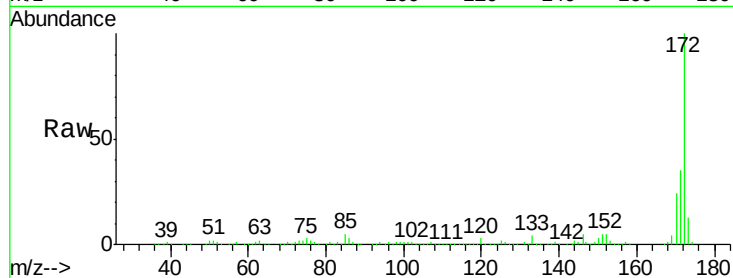




#44  
2-Fluorobiphenyl  
Concen: 79.66 ng  
RT: 10.32 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

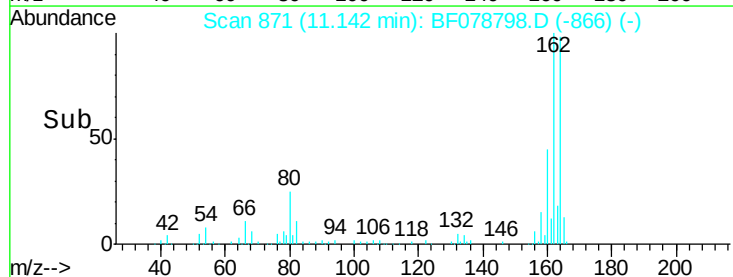
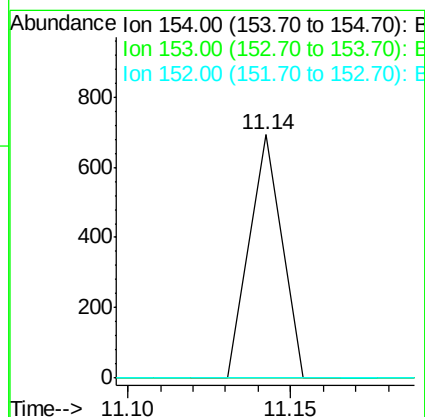
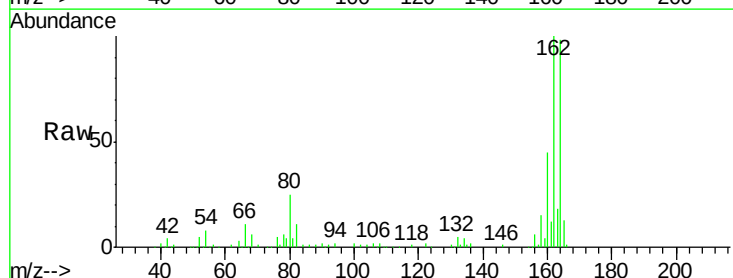
Instrument :  
BNA\_F  
ClientSampled :  
PB82973BL

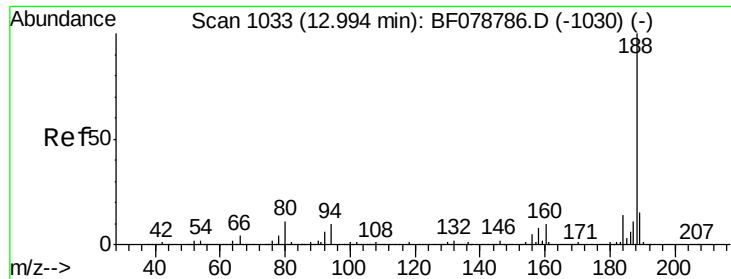
Tgt Ion:172 Resp: 950090  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.9 41.9  
170 24.0 19.4 29.0



#51  
Acenaphthene  
Concen: 0.05 ng  
RT: 11.14 min Scan# 871  
Delta R.T. -0.05 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

Tgt Ion:154 Resp: 475  
Ion Ratio Lower Upper  
154 100  
153 0.0 91.5 137.3#  
152 0.0 44.2 66.4#

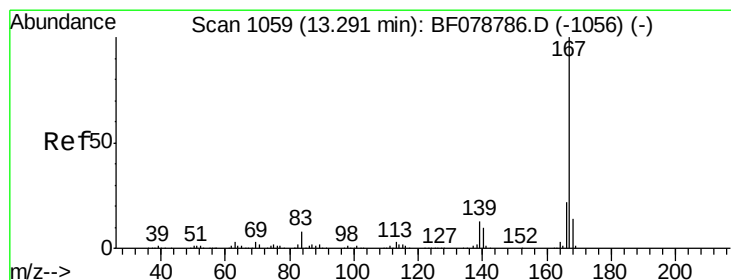
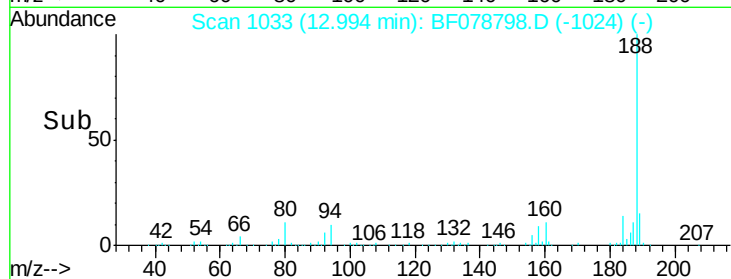
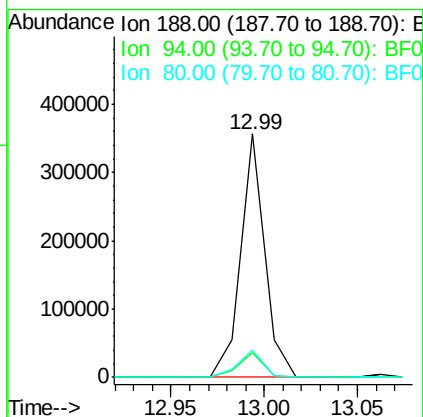
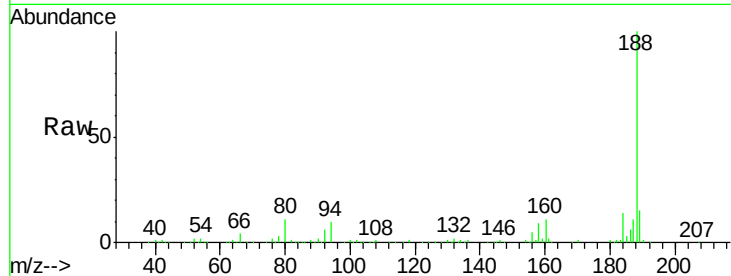




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.99 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

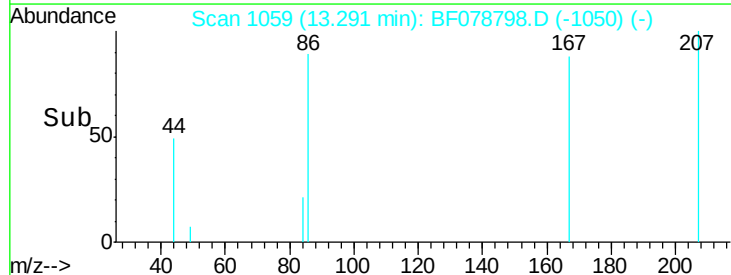
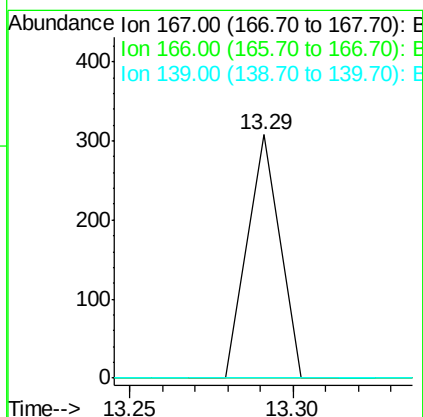
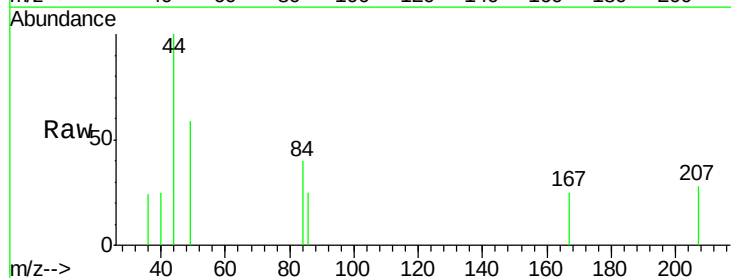
Instrument :  
BNA\_F  
ClientSampleId :  
PB82973BL

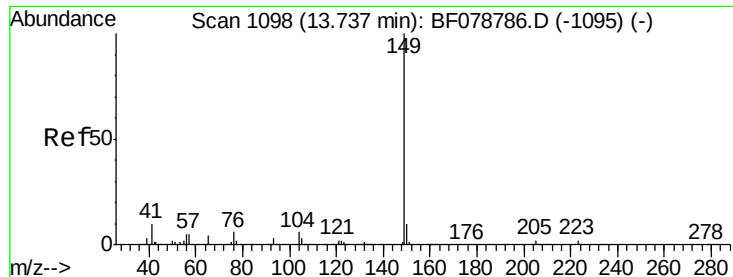
Tgt Ion:188 Resp: 320965  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.2 12.2  
80 11.4 8.9 13.3



#72  
Carbazole  
Concen: 0.01 ng  
RT: 13.29 min Scan# 1059  
Delta R.T. 0.00 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

Tgt Ion:167 Resp: 211  
Ion Ratio Lower Upper  
167 100  
166 0.0 17.8 26.8#  
139 0.0 10.6 16.0#

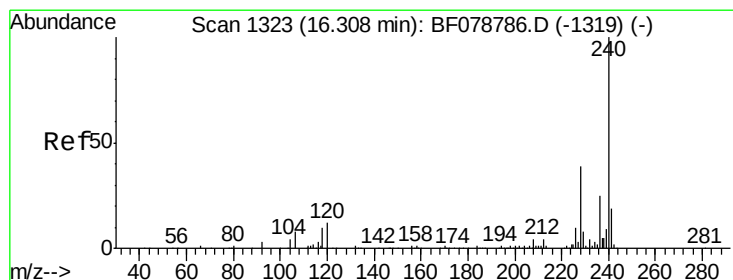
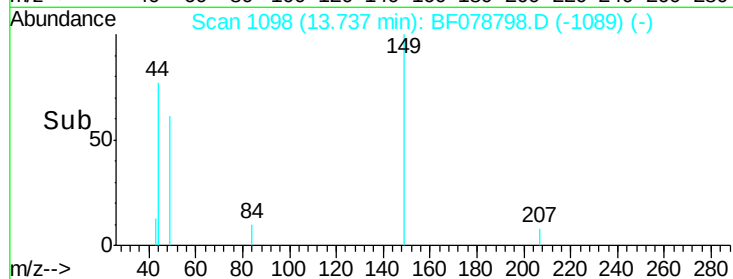
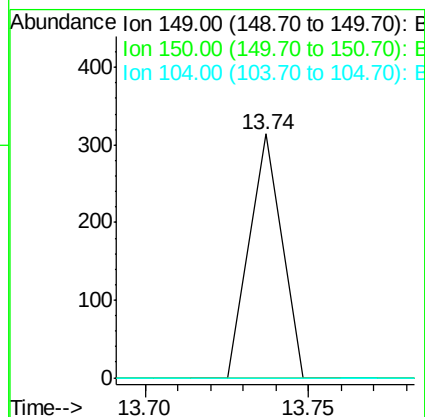
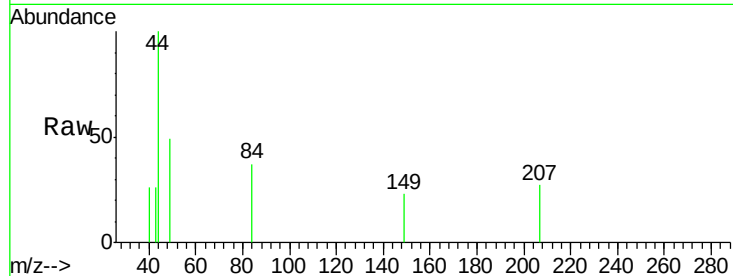




#73  
Di-n-butylphthalate  
Concen: 2.41 ng  
RT: 13.74 min Scan# 1098  
Delta R.T. 0.00 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

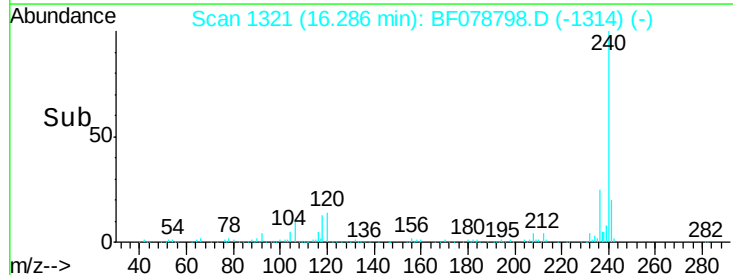
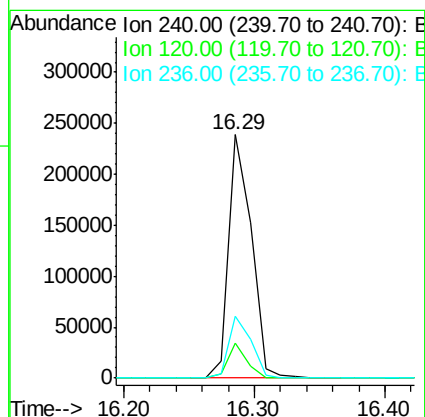
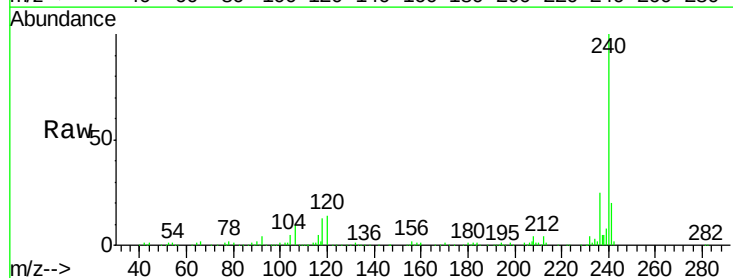
Instrument :  
BNA\_F  
ClientSampleId :  
PB82973BL

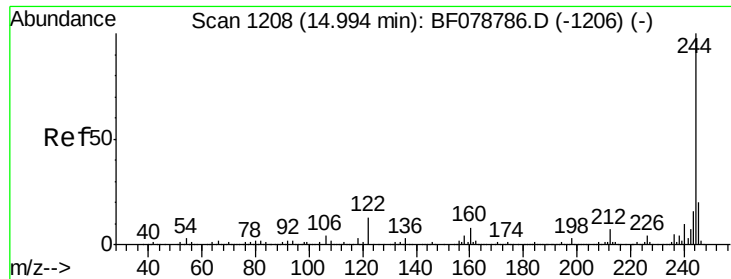
Tgt Ion:149 Resp: 215  
Ion Ratio Lower Upper  
149 100  
150 0.0 7.7 11.5#  
104 0.0 4.6 7.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.29 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

Tgt Ion:240 Resp: 289754  
Ion Ratio Lower Upper  
240 100  
120 14.2 9.7 14.5  
236 25.4 20.2 30.4

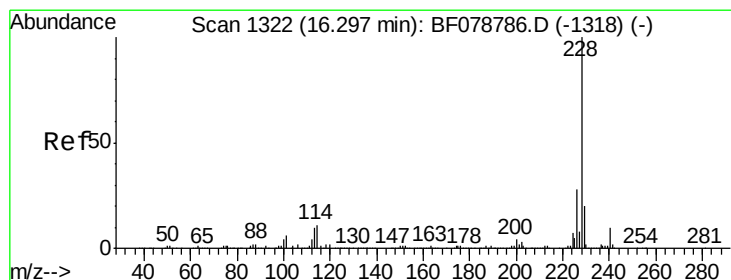
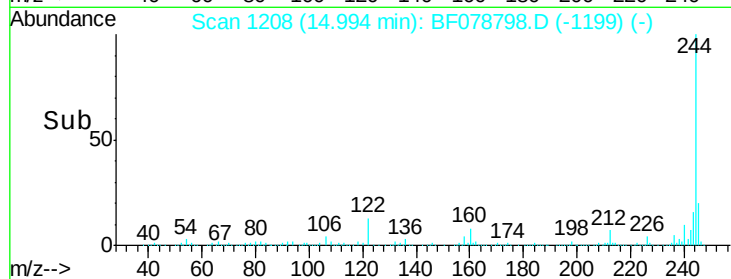
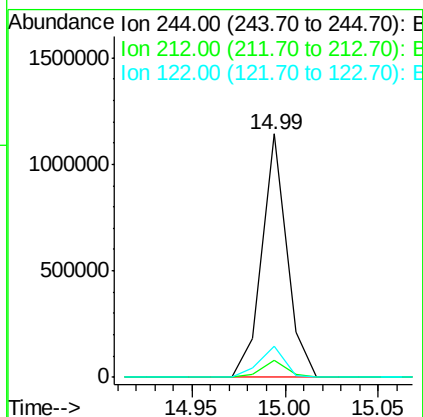
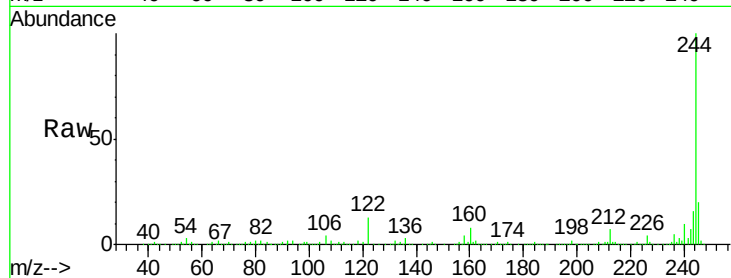




#78  
 Terphenyl-d14  
 Concen: 87.06 ng  
 RT: 14.99 min Scan# 1208  
 Delta R.T. -0.00 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

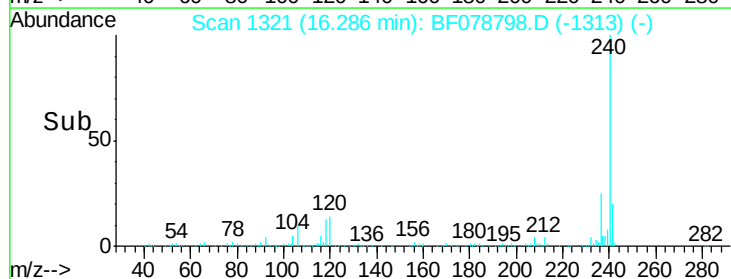
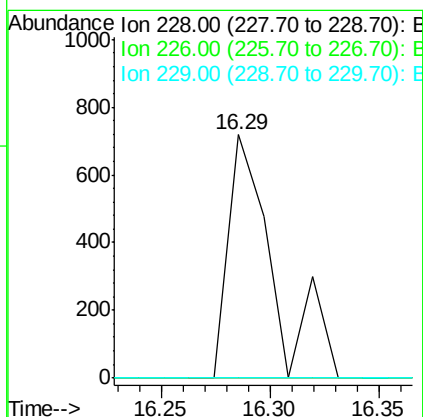
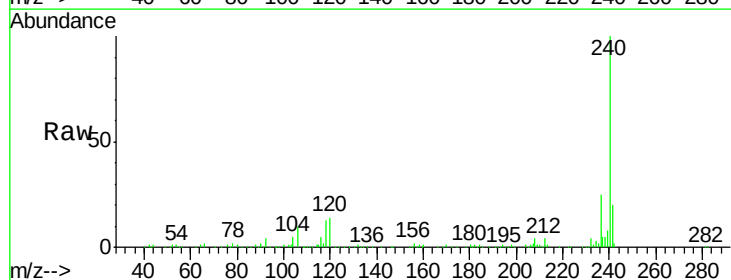
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82973BL

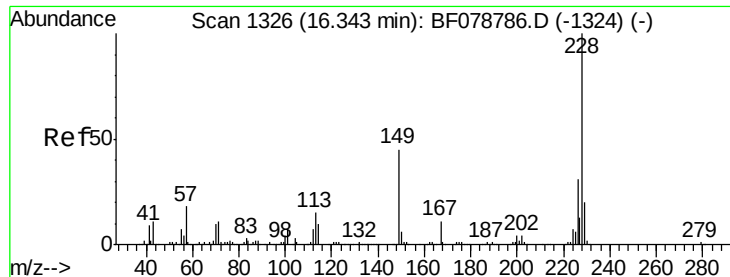
Tgt Ion:244 Resp: 1059275  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 12.6 10.3 15.5



#80  
 Benzo(a)anthracene  
 Concen: 0.07 ng  
 RT: 16.29 min Scan# 1321  
 Delta R.T. -0.01 min  
 Lab File: BF078798.D  
 Acq: 29 Apr 2015 2:38

Tgt Ion:228 Resp: 1027  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 22.6 33.8#  
 229 0.0 15.9 23.9#

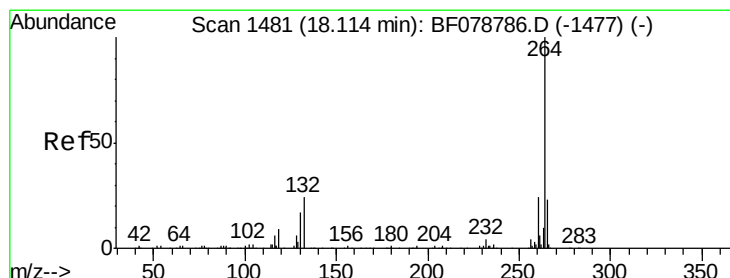
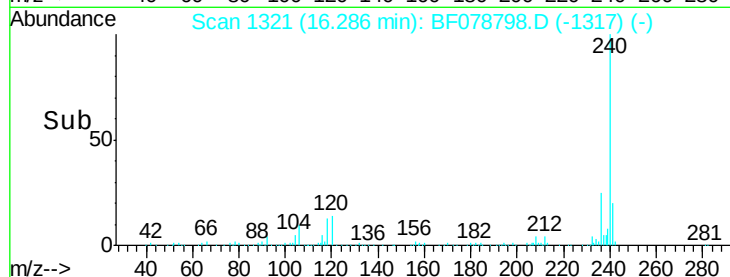
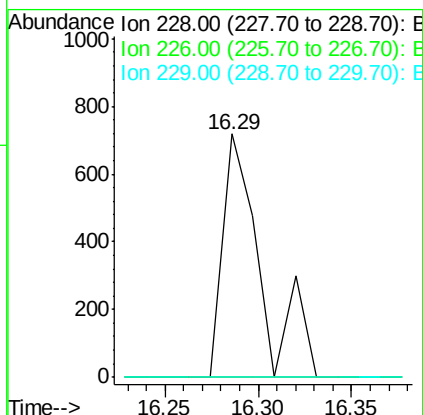
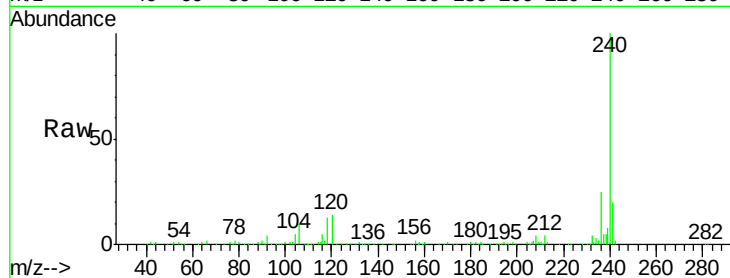




#82  
Chrysene  
Concen: 0.07 ng  
RT: 16.29 min Scan# 1321  
Delta R.T. -0.06 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

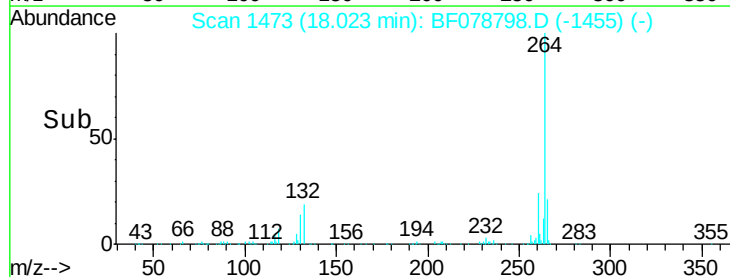
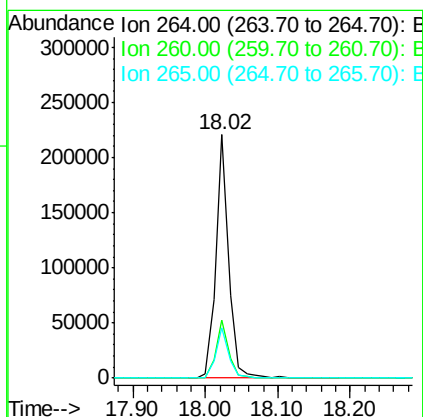
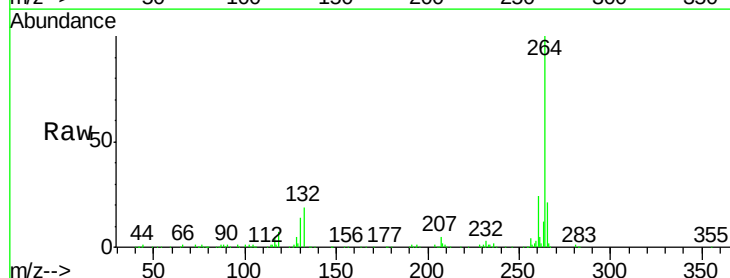
Instrument :  
BNA\_F  
ClientSampleId :  
PB82973BL

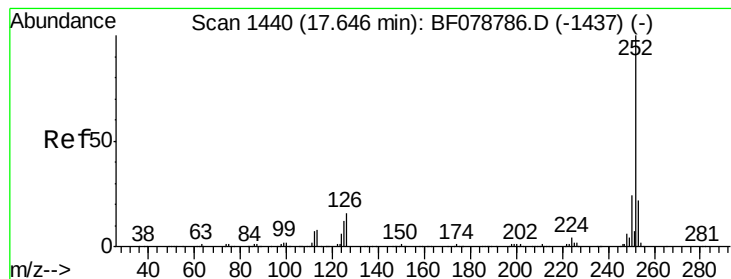
Tgt Ion: 228 Resp: 1027  
Ion Ratio Lower Upper  
228 100  
226 0.0 24.9 37.3#  
229 0.0 16.0 24.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.02 min Scan# 1473  
Delta R.T. -0.09 min  
Lab File: BF078798.D  
Acq: 29 Apr 2015 2:38

Tgt Ion: 264 Resp: 270228  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.4 29.2  
265 20.8 18.3 27.5





#87

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 17.57 min Scan# 1433

Delta R.T. -0.08 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

Instrument :

BNA\_F

ClientSampleId :

PB82973BL

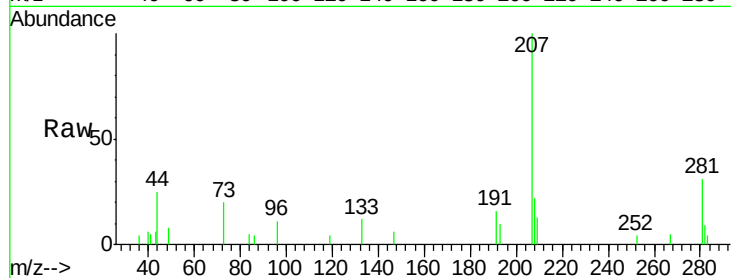
Tgt Ion: 252 Resp: 209

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

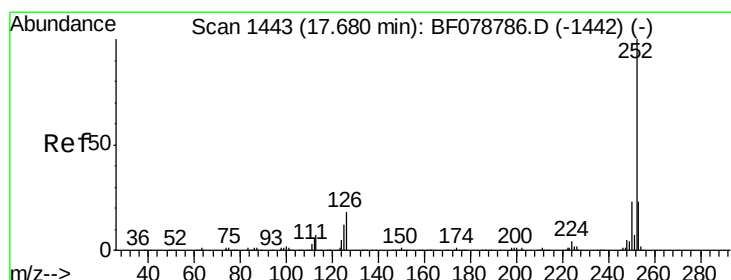
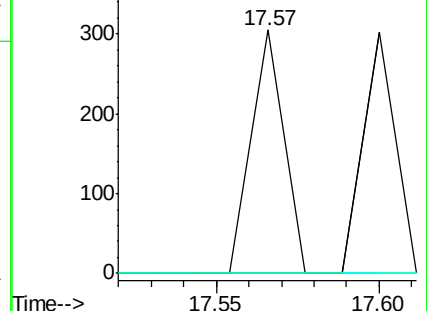
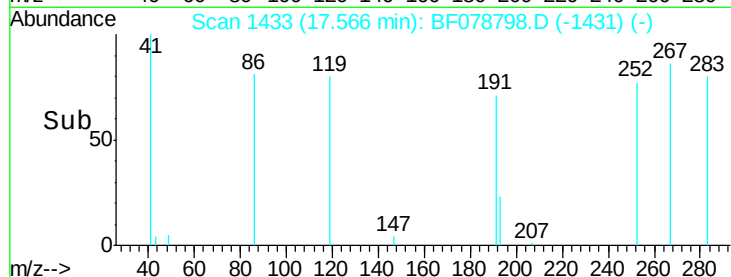
125 0.0 9.5 14.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 17.60 min Scan# 1436

Delta R.T. -0.08 min

Lab File: BF078798.D

Acq: 29 Apr 2015 2:38

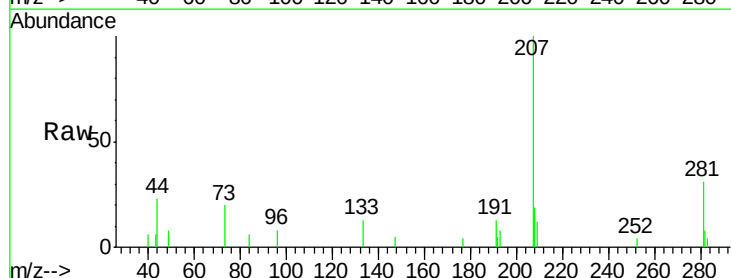
Tgt Ion: 252 Resp: 207

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

125 0.0 10.0 15.0#



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

