

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\  
 Data File : BF086892.D  
 Acq On : 11 May 2016 10:25  
 Operator : UM/SJ  
 Sample : H2762-04DL3 400X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 11 13:15:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 16:04:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.68  | 152  | 151641   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.97  | 136  | 588718   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.72  | 164  | 242461   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.20 | 188  | 385710   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.83 | 240  | 330999   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.20 | 264  | 278620   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 5) 2-Fluorophenol           | 5.29  | 112  | 21974    | 2.45 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 29216    | 2.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 21139    | 1.80 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 3145     | 1.23 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 44485    | 3.08 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.77 | 244  | 28343    | 1.82 | ng    | -0.02    |

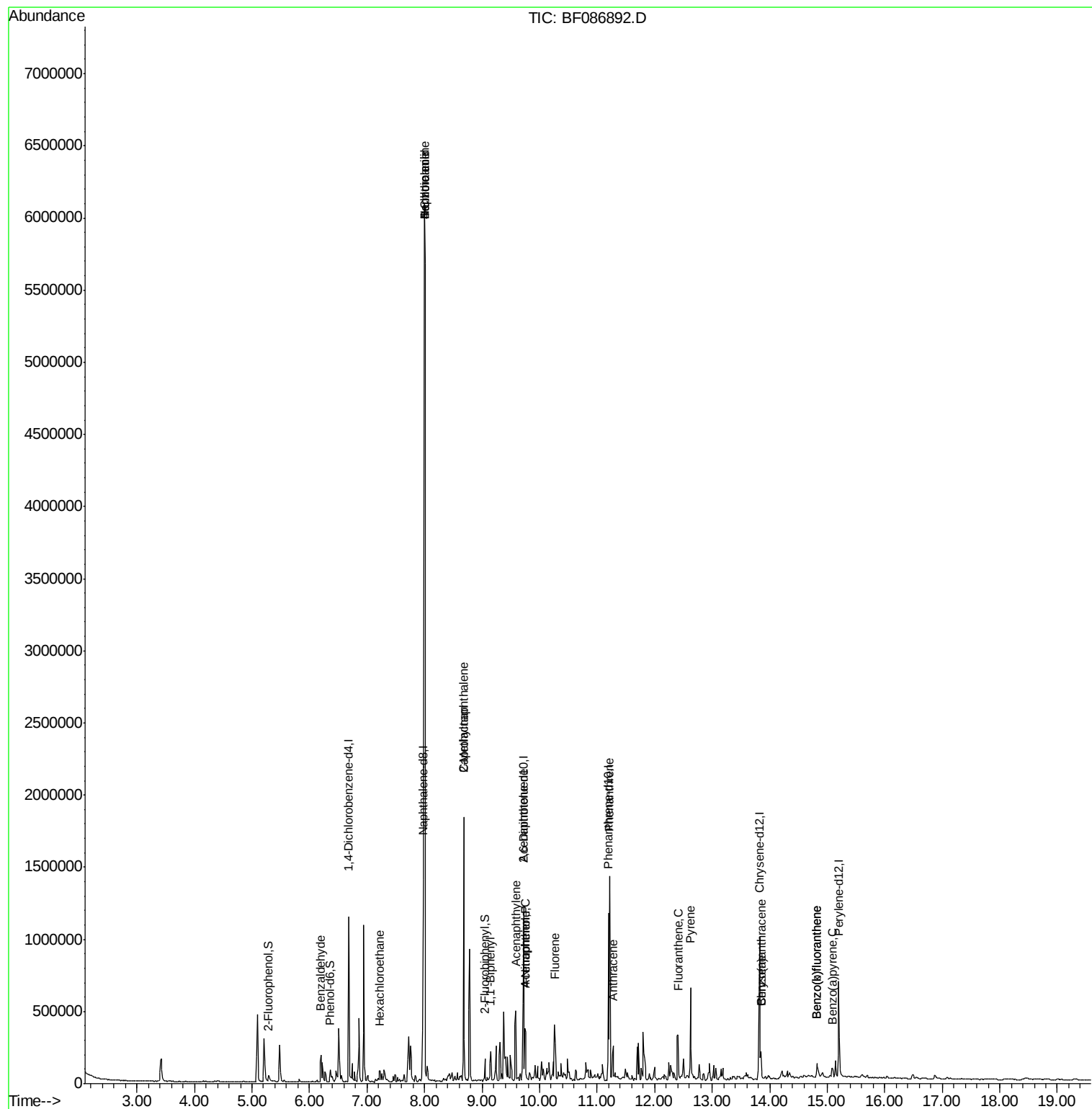
| Target Compounds         | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde          | 6.20  | 77   | 18921    | 2.73   | ng    | # 1    |
| 18) Hexachloroethane     | 7.22  | 117  | 23958    | 5.34   | ng    | # 14   |
| 31) Naphthalene          | 8.01  | 128  | 4226703  | 143.34 | ng    | 97     |
| 32) Benzoic acid         | 8.01  | 122  | 11548    | 2.18   | ng    | # 1    |
| 33) 4-Chloroaniline      | 8.01  | 127  | 612626   | 53.47  | ng    | # 37   |
| 35) Caprolactam          | 8.68  | 113  | 11201    | 4.14   | ng    | # 1    |
| 37) 2-Methylnaphthalene  | 8.68  | 142  | 441969   | 25.64  | ng    | 97     |
| 45) 1,1'-Biphenyl        | 9.15  | 154  | 75468    | 3.91   | ng    | 99     |
| 48) Acenaphthylene       | 9.58  | 152  | 227753   | 10.25  | ng    | 97     |
| 50) 2,6-Dinitrotoluene   | 9.72  | 165  | 37155    | 9.54   | ng    | # 21   |
| 51) Acenaphthene         | 9.76  | 154  | 110715   | 8.01   | ng    | 98     |
| 55) 4-Nitrophenol        | 9.76  | 139  | 2110     | 5.29   | ng    | 94     |
| 57) Fluorene             | 10.26 | 166  | 154432   | 10.20  | ng    | 98     |
| 70) Phenanthrene         | 11.22 | 178  | 487220   | 23.67  | ng    | 100    |
| 71) Anthracene           | 11.28 | 178  | 142799   | 6.78   | ng    | 98     |
| 74) Fluoranthene         | 12.41 | 202  | 176062   | 8.32   | ng    | 92     |
| 77) Pyrene               | 12.62 | 202  | 261480   | 10.32  | ng    | 99     |
| 80) Benzo(a)anthracene   | 13.85 | 228  | 56997    | 3.07   | ng    | 96     |
| 82) Chrysene             | 13.85 | 228  | 56997    | 3.02   | ng    | 98     |
| 87) Benzo(b)fluoranthene | 14.82 | 252  | 66356    | 3.66   | ng    | 98     |
| 88) Benzo(k)fluoranthene | 14.82 | 252  | 66356    | 4.48   | ng    | # 97   |
| 89) Benzo(a)pyrene       | 15.09 | 252  | 31705    | 2.03   | ng    | 95     |

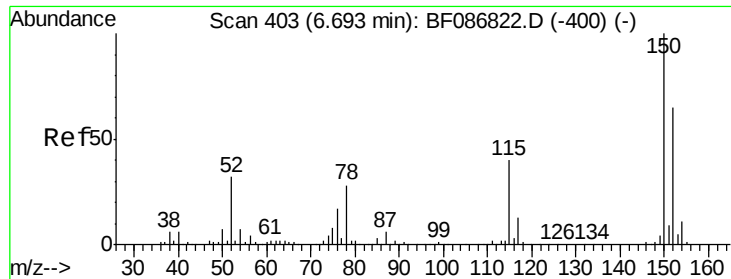
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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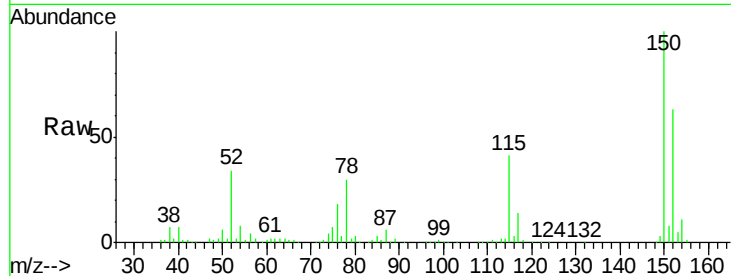


#1

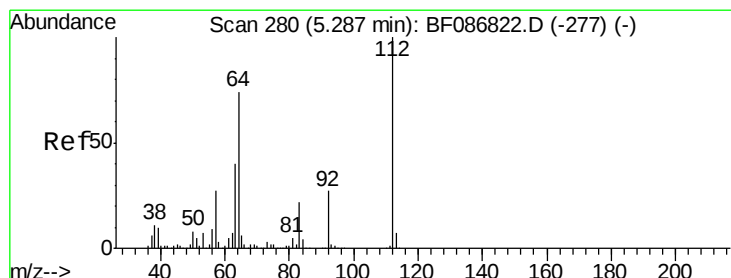
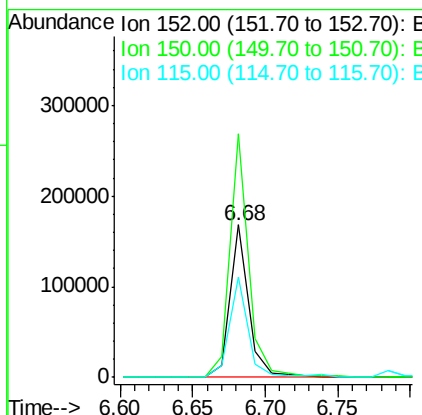
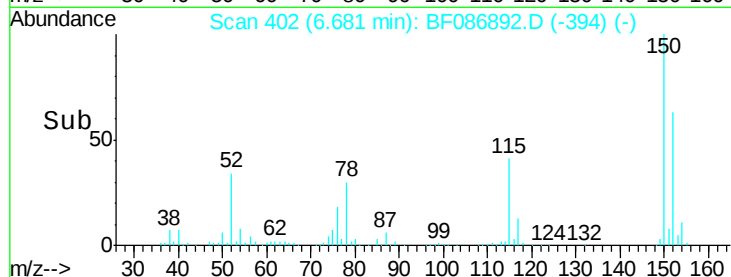
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.68 min Scan# 402  
 Delta R.T. -0.01 min  
 Lab File: BF086892.D  
 Acq: 11 May 2016 10:25

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.7 | 125.8 | 188.6 |
| 115     | 65.9  | 51.5  | 77.3  |



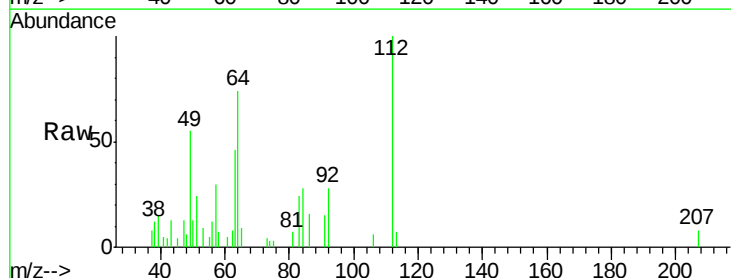
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



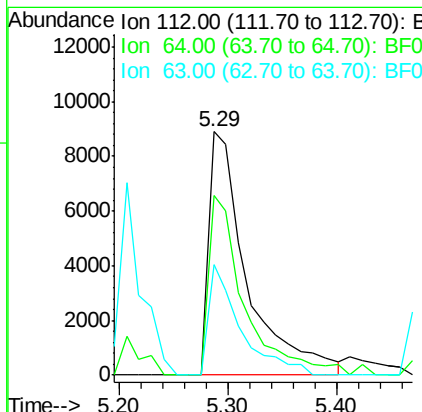
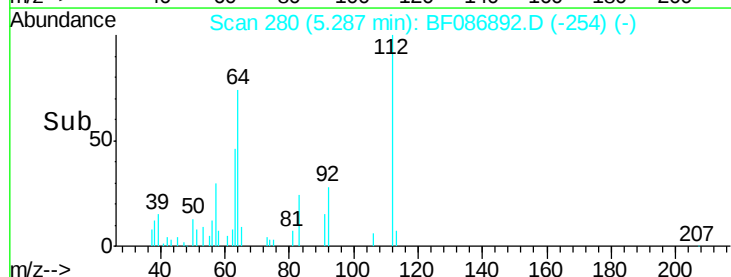
#5

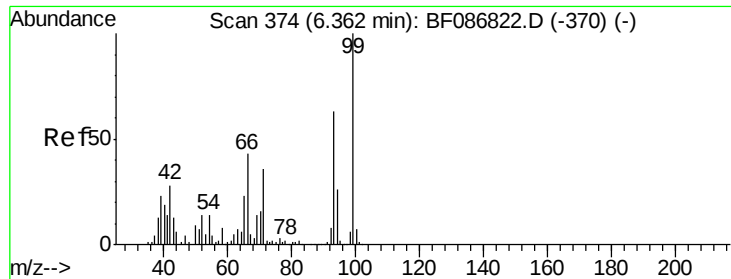
2-Fluorophenol  
 Concen: 2.45 ng  
 RT: 5.29 min Scan# 280  
 Delta R.T. 0.00 min  
 Lab File: BF086892.D  
 Acq: 11 May 2016 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.6  | 52.1  | 78.1  |
| 63      | 45.5  | 25.7  | 38.5  |



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: 2.44 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

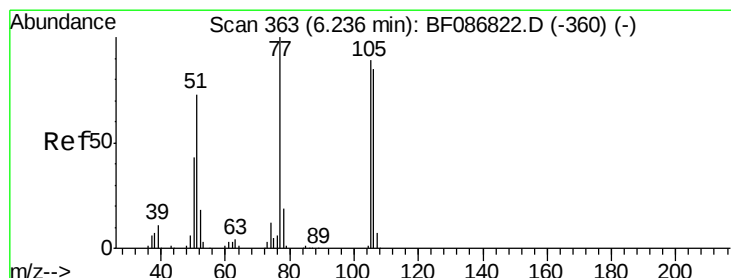
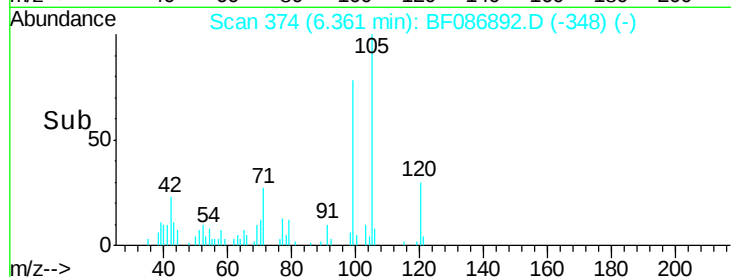
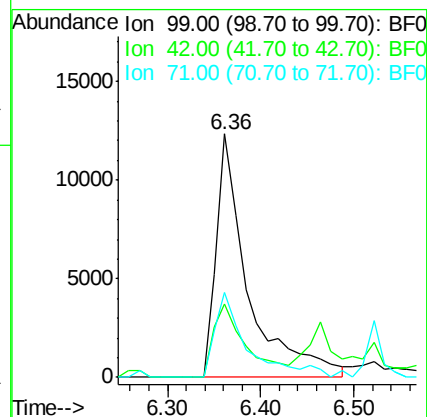
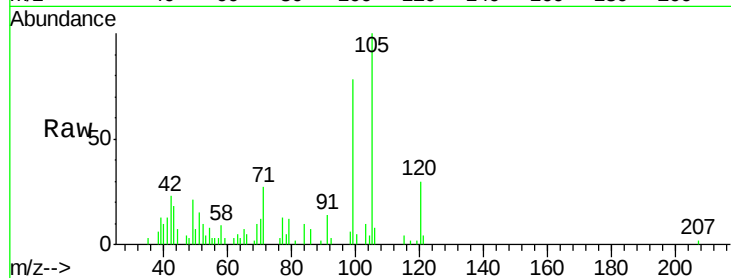
Tot Ion: 99 Resp: 29216

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

71 35.0 24.6 36.8



#9

Benzaldehyde

Concen: 2.73 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

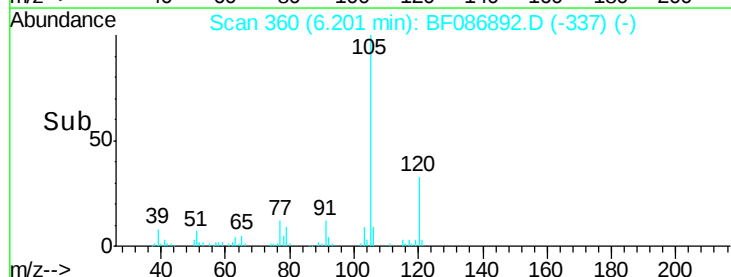
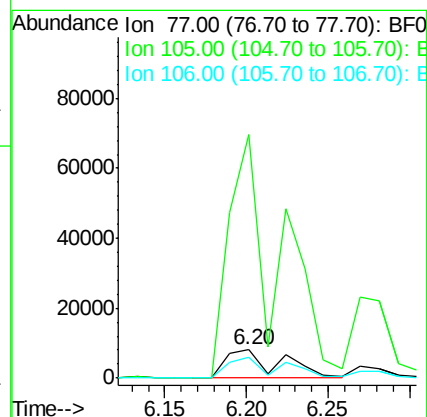
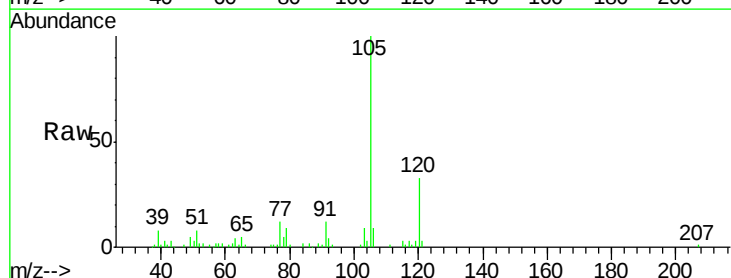
Tgt Ion: 77 Resp: 18921

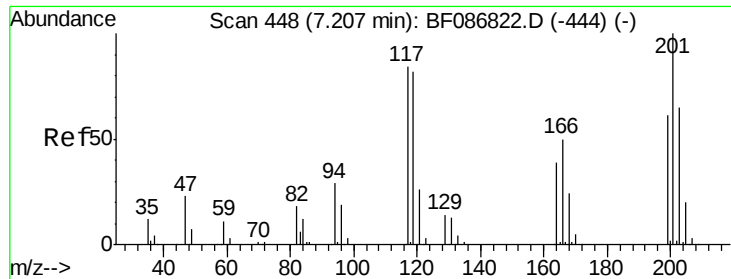
Ion Ratio Lower Upper

77 100

105 855.2 72.7 112.7#

106 73.8 70.8 110.8

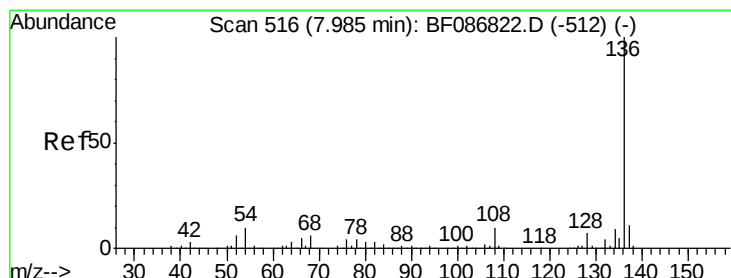
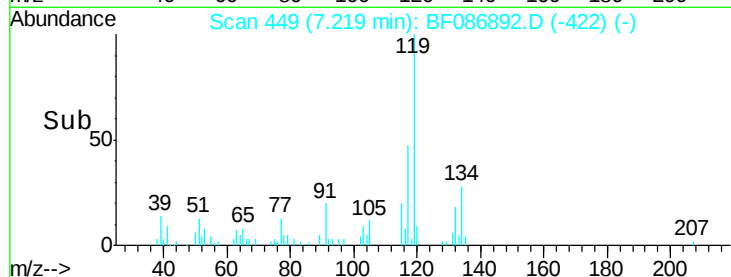
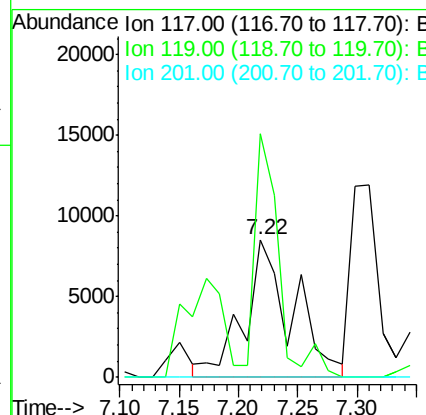
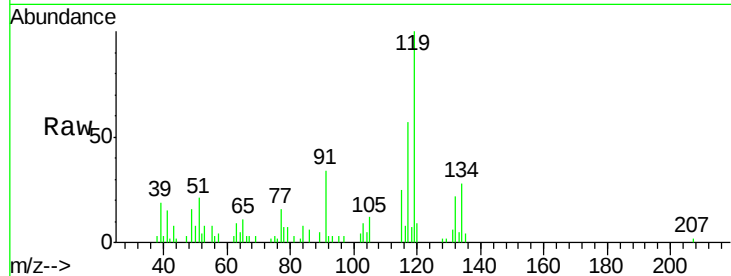




#18  
Hexachloroethane  
Concen: 5.34 ng  
RT: 7.22 min Scan# 449  
Delta R.T. 0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

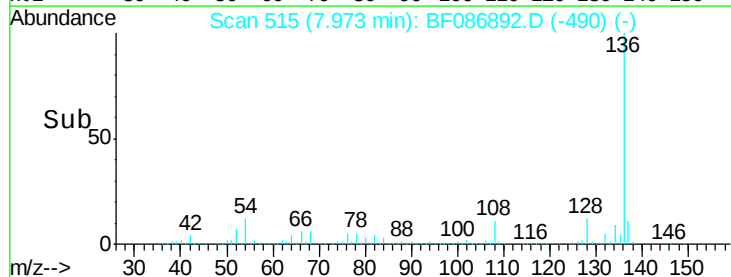
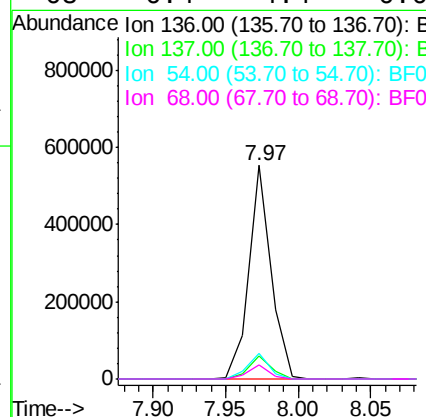
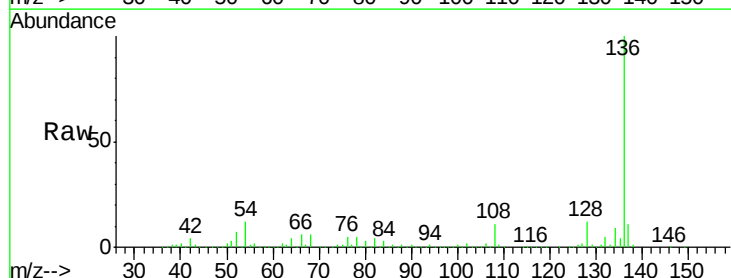
Instrument :  
BNA\_F  
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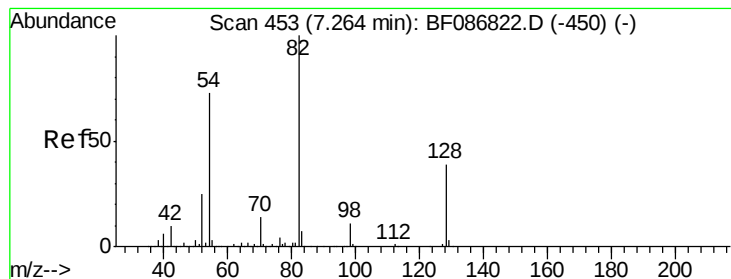
Tot Ion:117 Resp: 23958  
Ion Ratio Lower Upper  
117 100  
119 176.8 76.5 114.7#  
201 0.0 63.0 94.6#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Tgt Ion:136 Resp: 588718  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 12.0 5.0 7.4#  
68 6.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 1.80 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

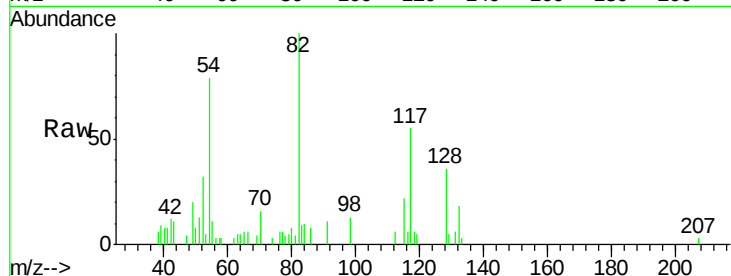
Tot Ion: 82 Resp: 21139

Ion Ratio Lower Upper

82 100

128 35.6 40.6 61.0#

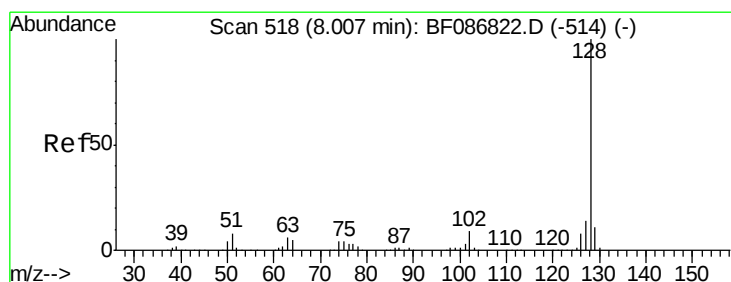
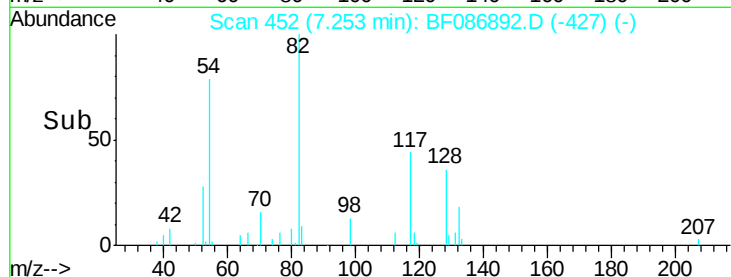
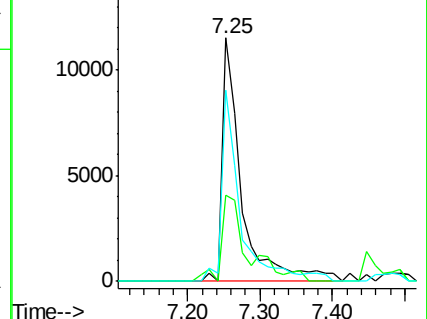
54 78.7 38.1 57.1#



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



#31

Naphthalene

Concen: 143.34 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

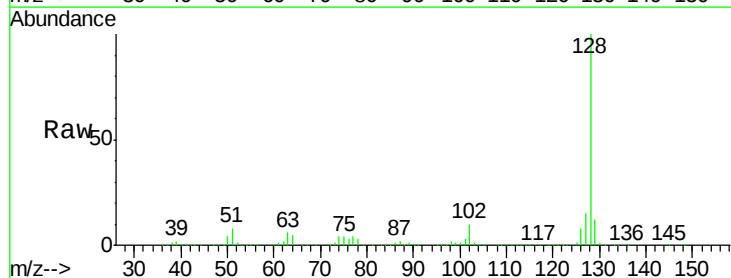
Tgt Ion:128 Resp: 4226703

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

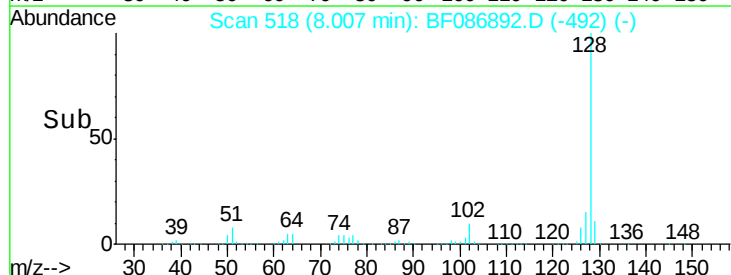
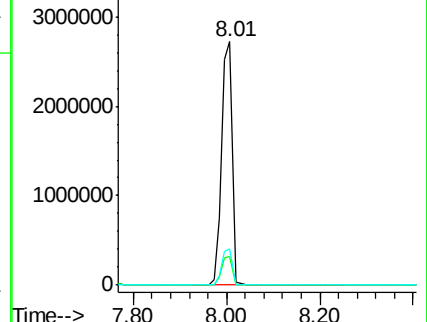
127 14.7 10.8 16.2

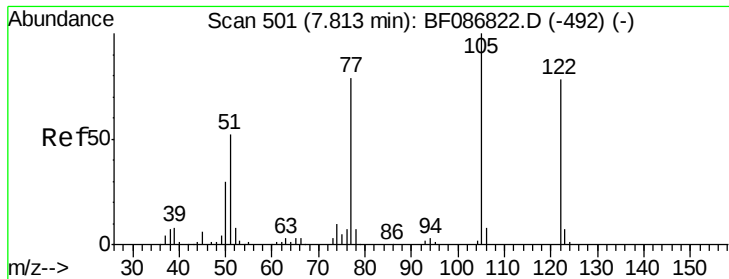


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.18 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.19 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

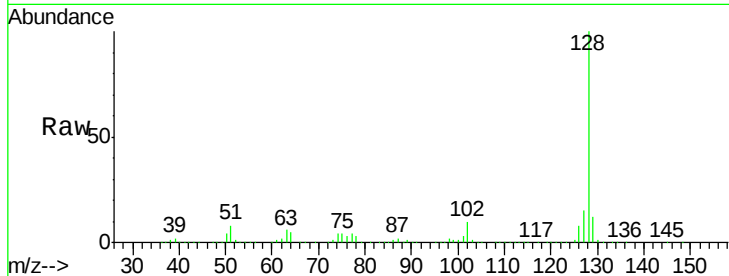
Tot Ion:122 Resp: 11548

Ion Ratio Lower Upper

122 100

105 4.7 92.6 132.6#

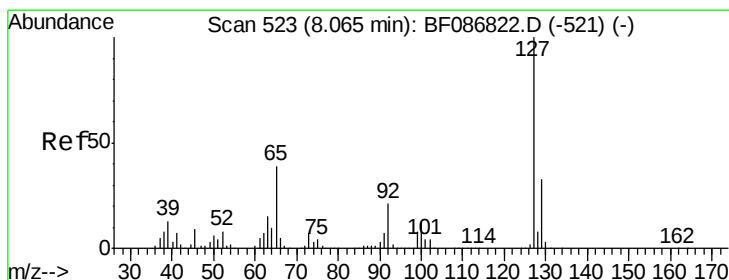
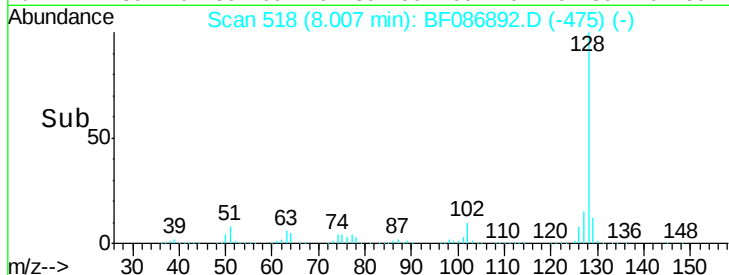
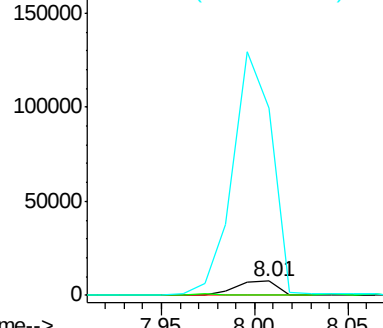
77 1313.7 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 53.47 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:127 Resp: 612626

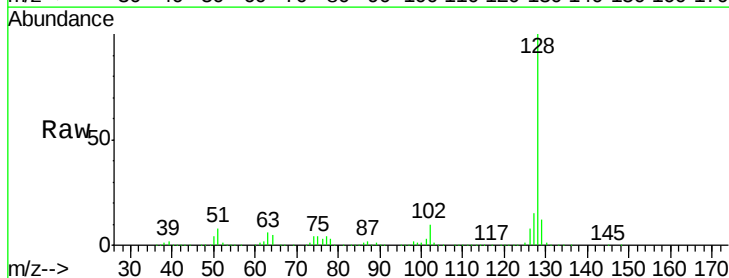
Ion Ratio Lower Upper

127 100

129 79.9 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

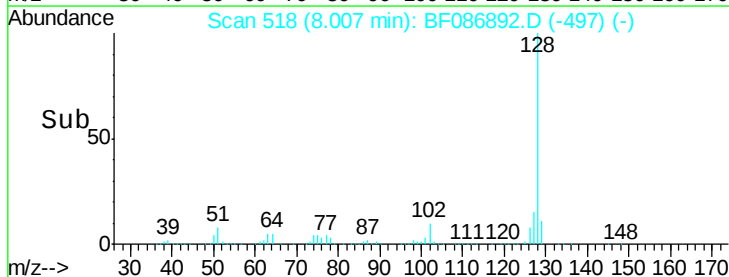
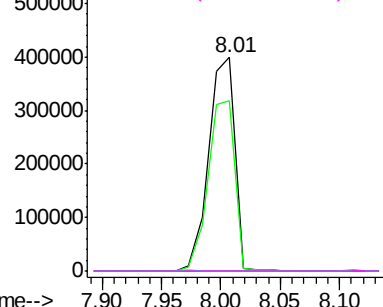


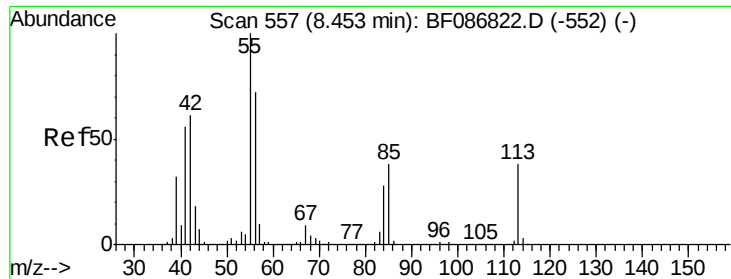
Abundance Ion 127.00 (126.70 to 127.70): E

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

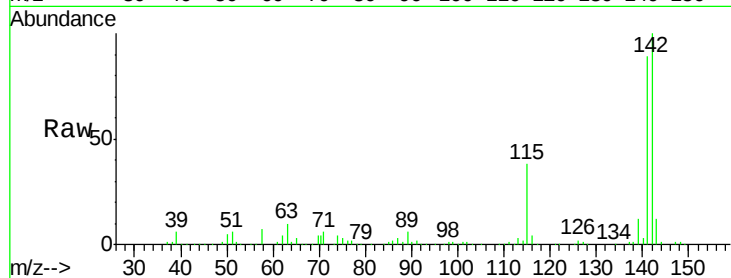




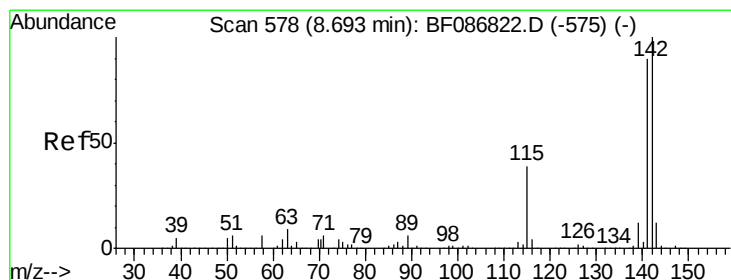
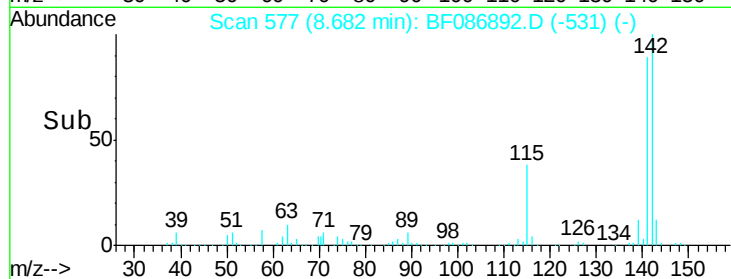
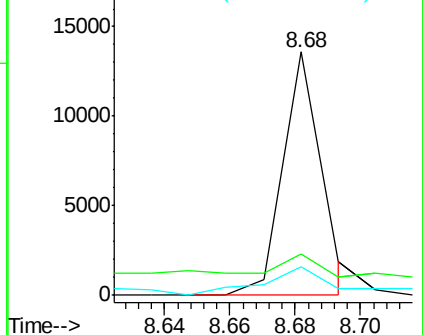
#35  
Caprolactam  
Concen: 4.14 ng  
RT: 8.68 min Scan# 577  
Delta R.T. 0.23 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 11201  
Ion Ratio Lower Upper  
113 100  
55 16.9 162.0 202.0#  
56 11.7 115.3 155.3#

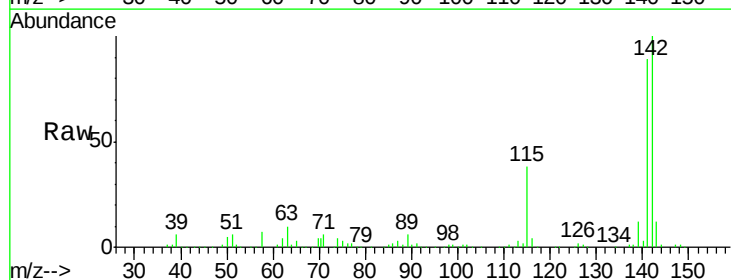


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

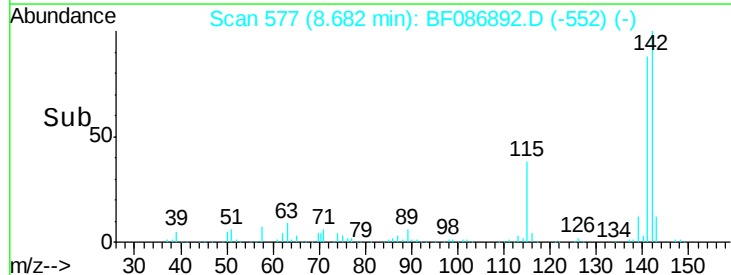
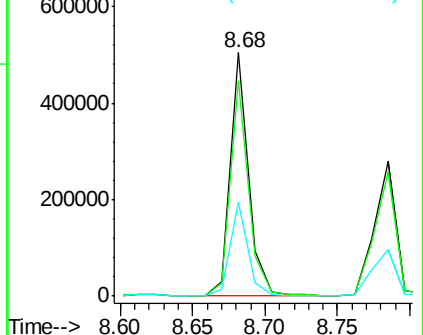


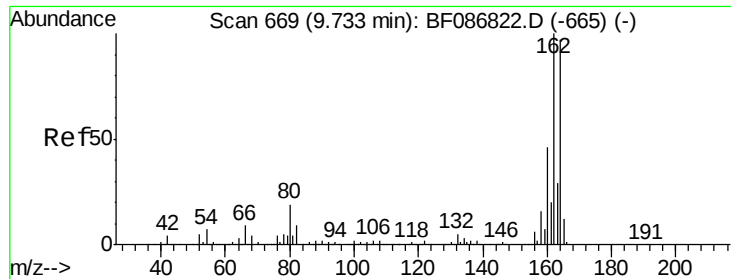
#37  
2-Methylnaphthalene  
Concen: 25.64 ng  
RT: 8.68 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Tgt Ion:142 Resp: 441969  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.0 106.6  
115 38.4 26.6 39.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

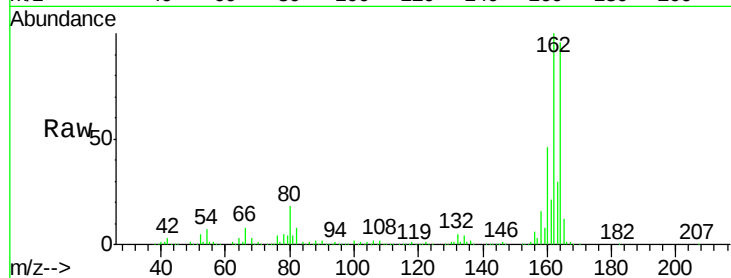
Tot Ion:164 Resp: 242461

Ion Ratio Lower Upper

164 100

162 104.6 82.8 124.2

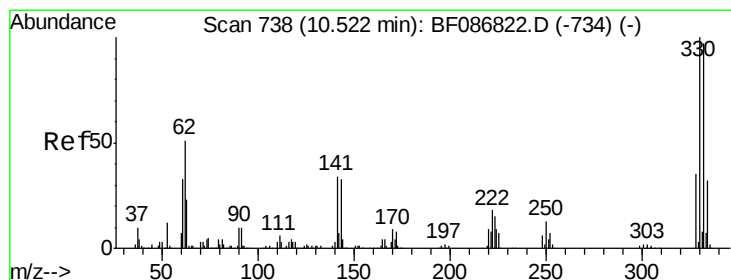
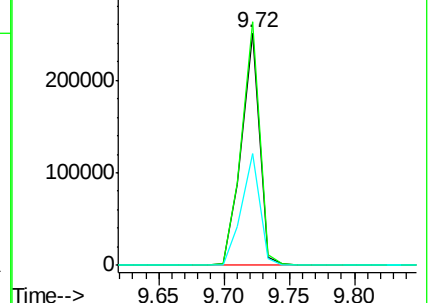
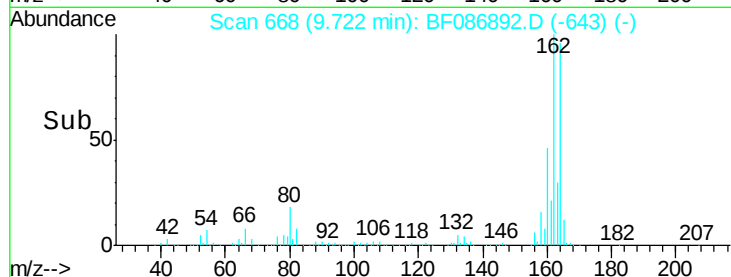
160 47.9 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 1.23 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

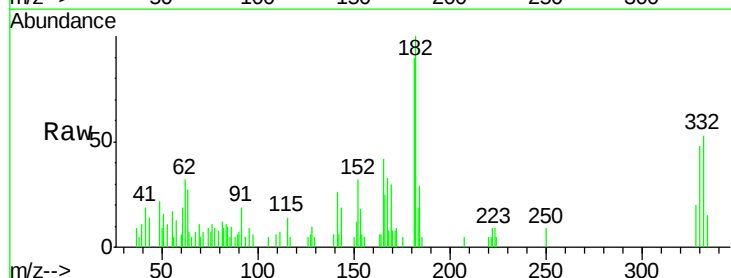
Tgt Ion:330 Resp: 3145

Ion Ratio Lower Upper

330 100

332 109.5 79.0 118.4

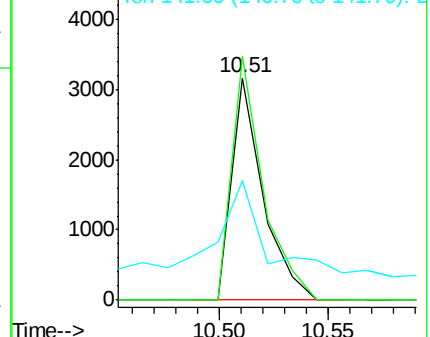
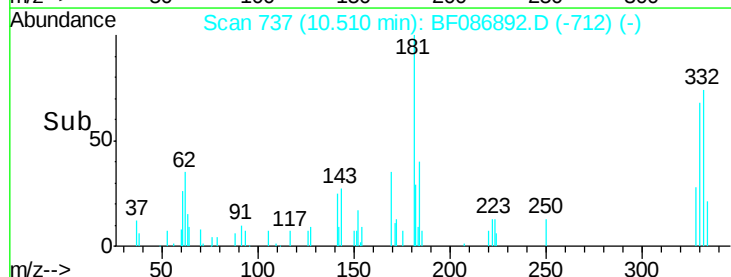
141 77.5 31.2 46.8#

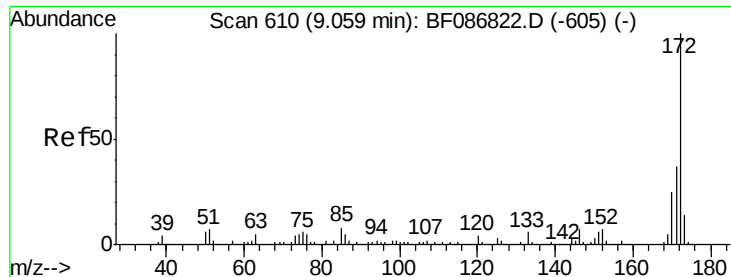


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

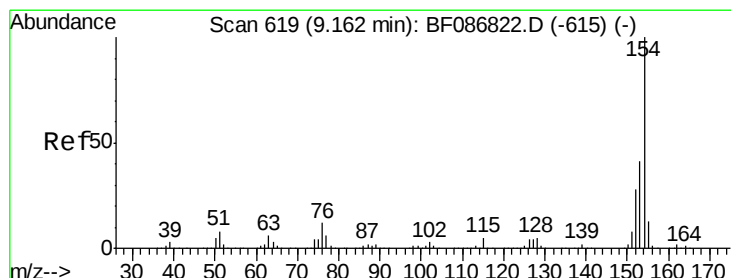
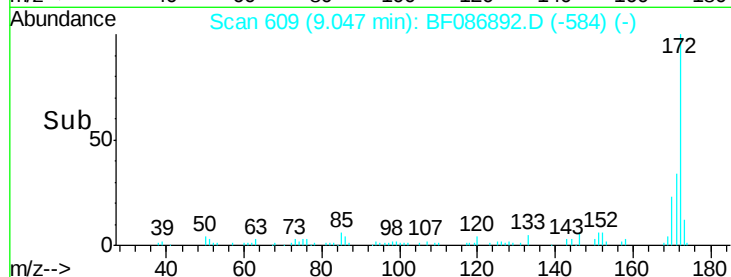
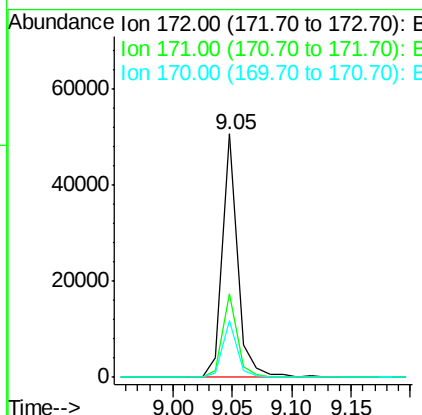
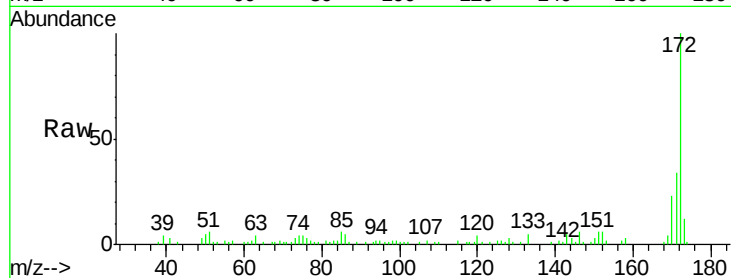




#44  
2-Fluorobiphenyl  
Concen: 3.08 ng  
RT: 9.05 min Scan# 609  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

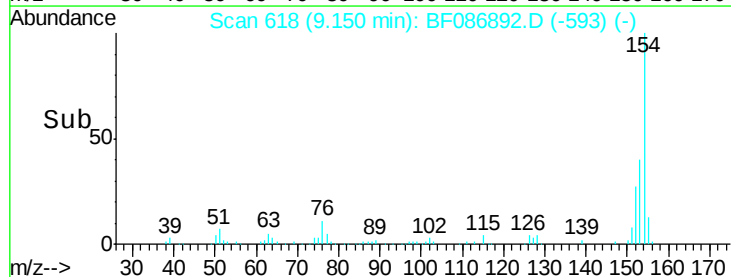
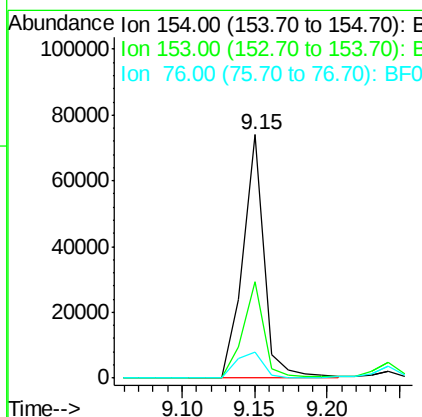
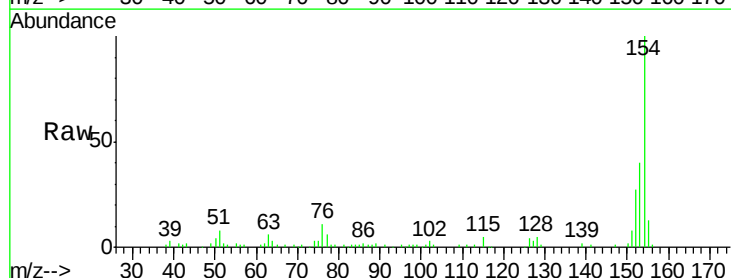
Instrument :  
BNA\_F  
ClientSampleId :

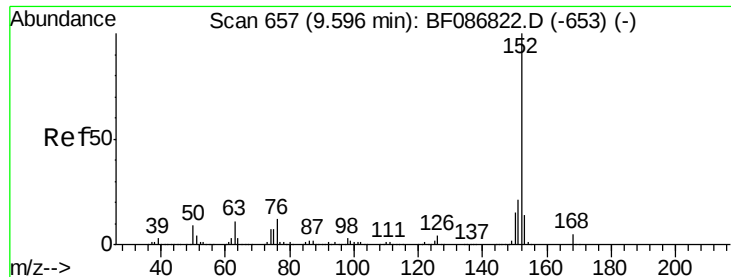
Tot Ion:172 Resp: 44485  
Ion Ratio Lower Upper  
172 100  
171 34.4 29.0 43.6  
170 23.2 19.8 29.8



#45  
1,1'-Biphenyl  
Concen: 3.91 ng  
RT: 9.15 min Scan# 618  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Tgt Ion:154 Resp: 75468  
Ion Ratio Lower Upper  
154 100  
153 39.8 20.3 60.3  
76 10.9 0.0 30.2





#48

Acenaphthylene

Concen: 10.25 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampled :

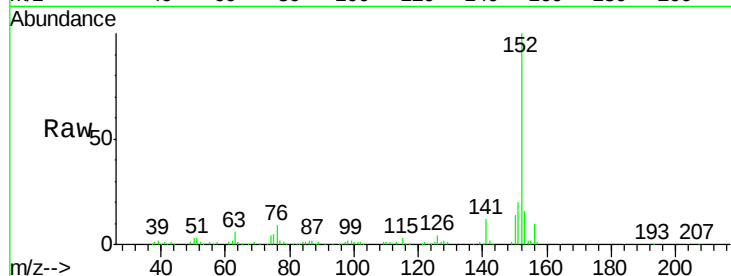
Tot Ion:152 Resp: 227753

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

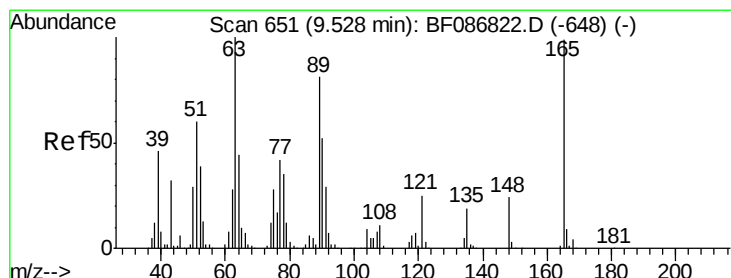
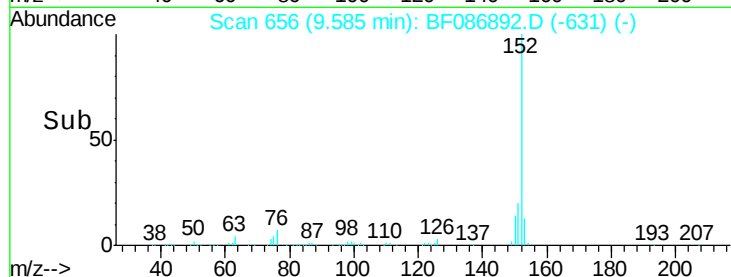
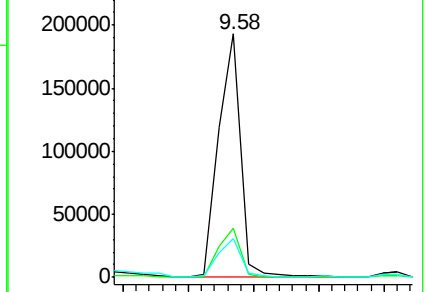
153 15.7 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.54 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.19 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

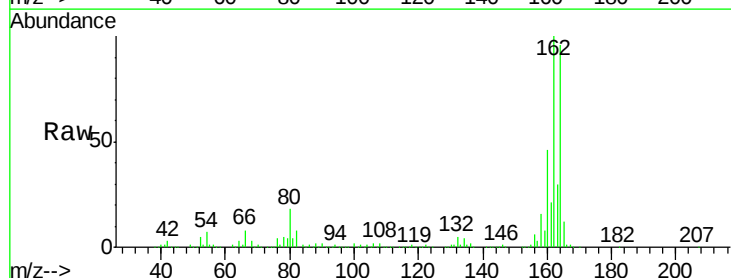
Tgt Ion:165 Resp: 37155

Ion Ratio Lower Upper

165 100

63 2.4 51.8 77.8#

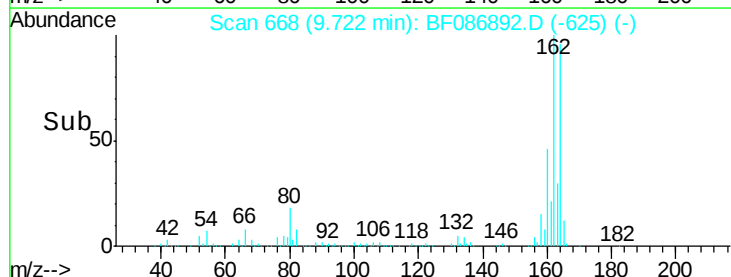
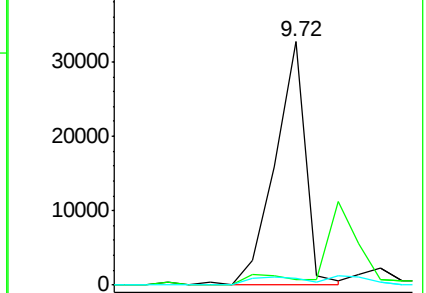
89 2.8 50.7 76.1#

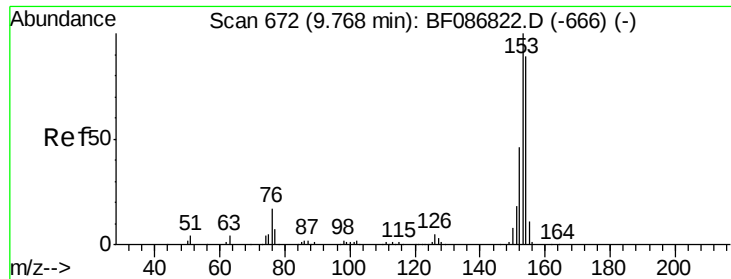


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 8.01 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :  
BNA\_F  
ClientSampleId :

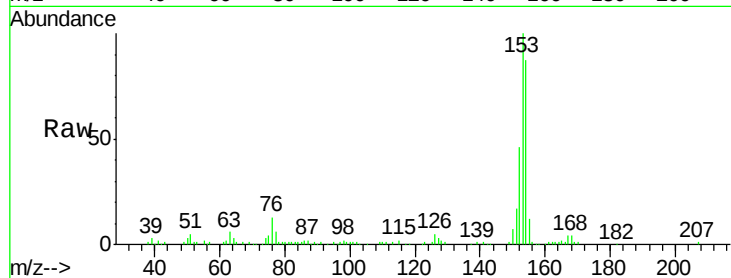
Tot Ion:154 Resp: 110715

Ion Ratio Lower Upper

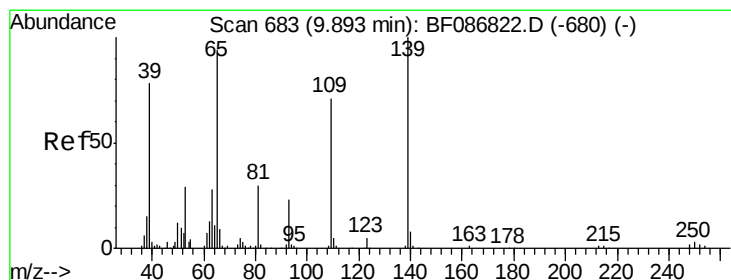
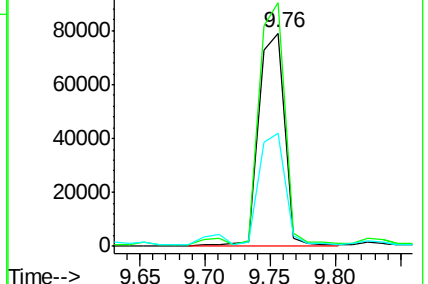
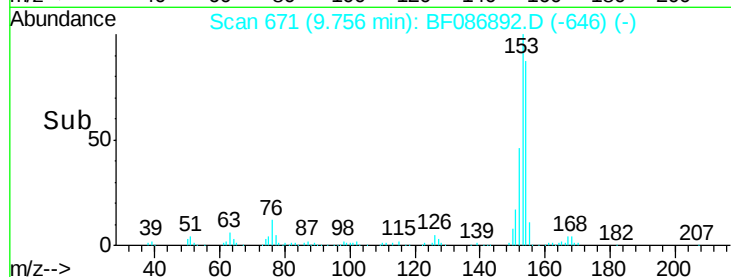
154 100

153 114.4 89.8 134.6

152 53.1 43.4 65.0



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



#55

4-Nitrophenol

Concen: 5.29 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.14 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

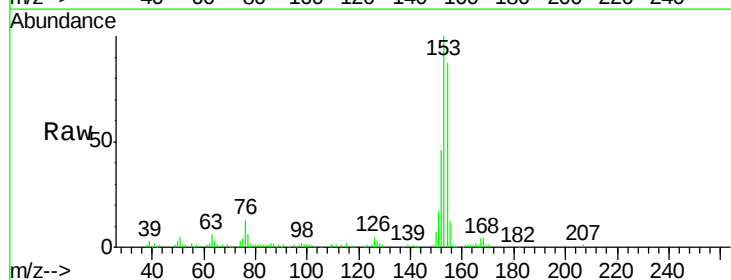
Tgt Ion:139 Resp: 2110

Ion Ratio Lower Upper

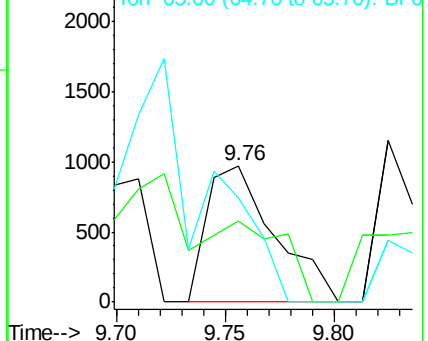
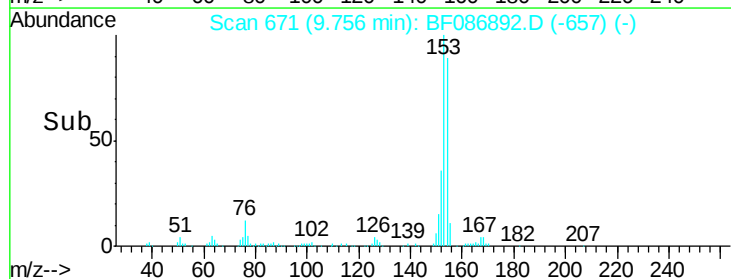
139 100

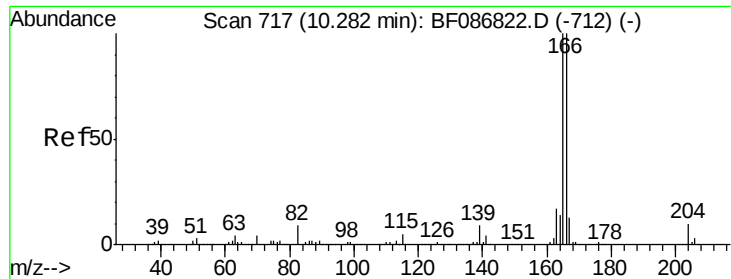
109 59.5 36.9 76.9

65 76.8 64.0 104.0



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

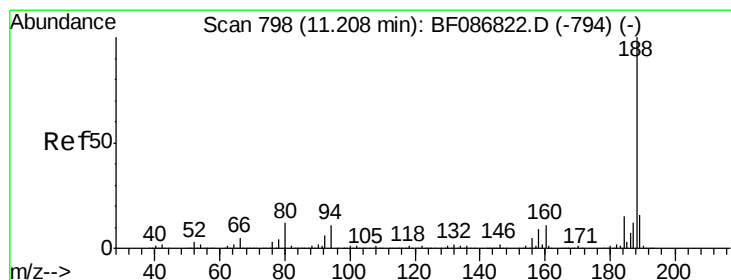
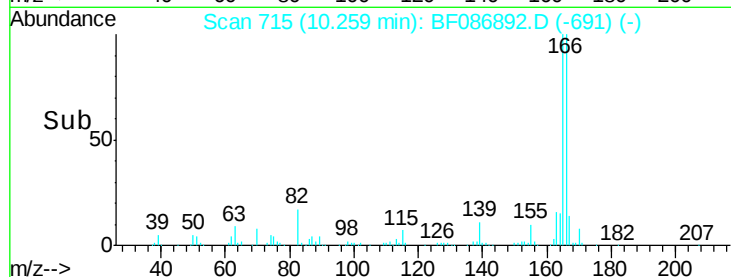
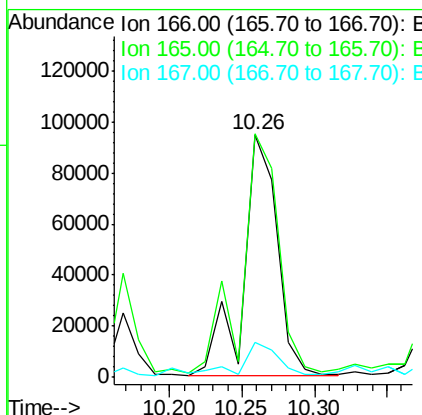
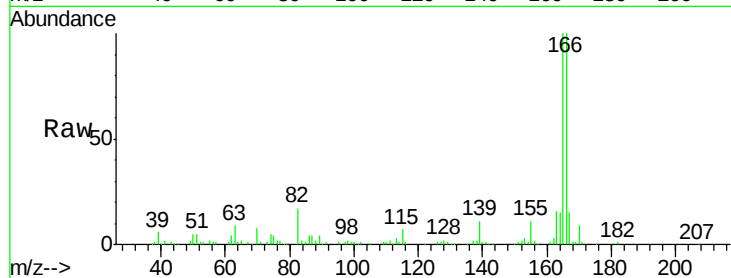




#57  
 Fluorene  
 Concen: 10.20 ng  
 RT: 10.26 min Scan# 715  
 Delta R.T. -0.02 min  
 Lab File: BF086892.D  
 Acq: 11 May 2016 10:25

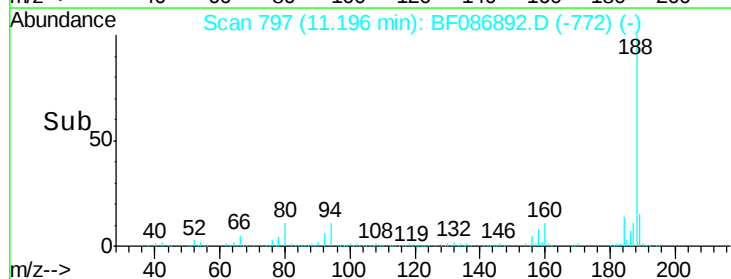
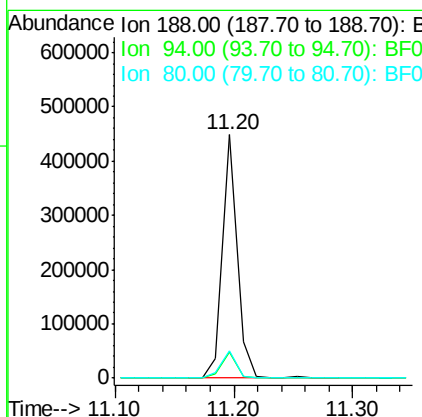
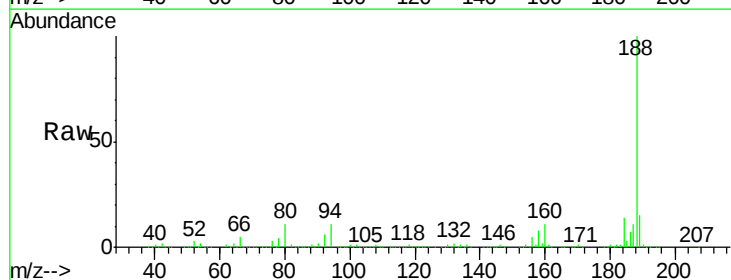
Instrument :  
 BNA\_F  
 ClientSampleId :

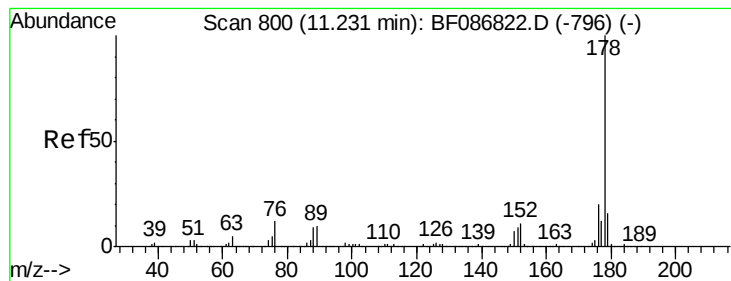
Tot Ion:166 Resp: 154432  
 Ion Ratio Lower Upper  
 166 100  
 165 100.3 79.0 118.6  
 167 14.6 10.6 15.8



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.20 min Scan# 797  
 Delta R.T. -0.01 min  
 Lab File: BF086892.D  
 Acq: 11 May 2016 10:25

Tgt Ion:188 Resp: 385710  
 Ion Ratio Lower Upper  
 188 100  
 94 10.5 6.8 10.2#  
 80 11.2 7.1 10.7#





#70

Phenanthrene

Concen: 23.67 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

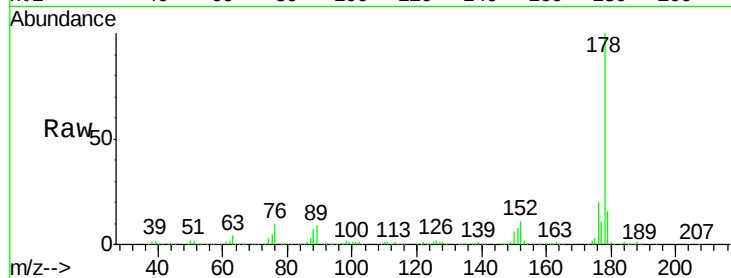
Tot Ion:178 Resp: 487220

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

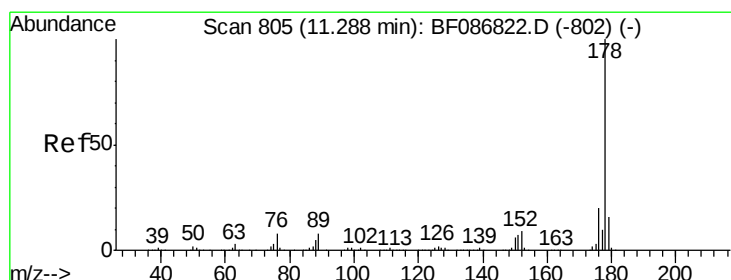
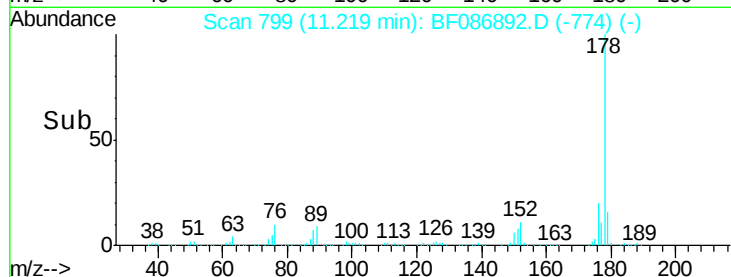
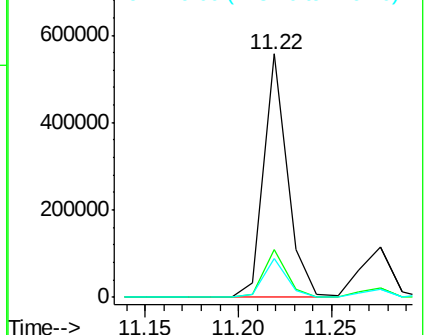
179 15.7 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.78 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

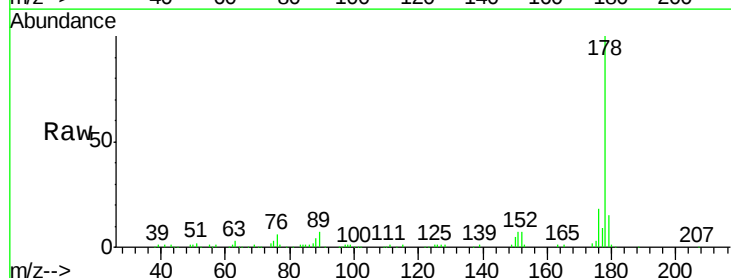
Tgt Ion:178 Resp: 142799

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

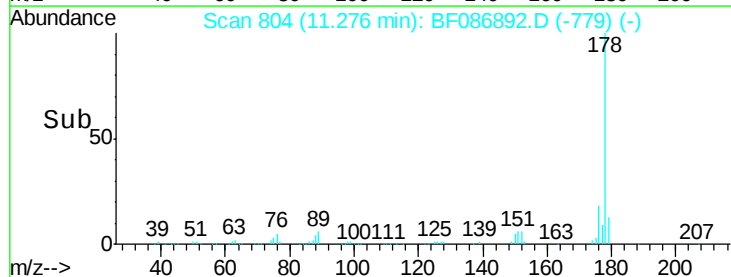
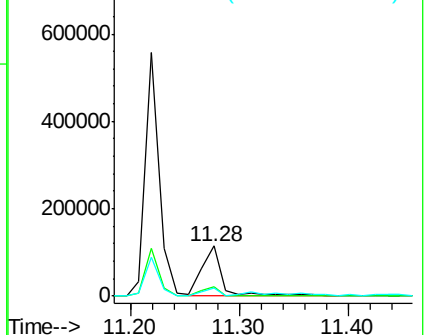
179 15.2 12.7 19.1

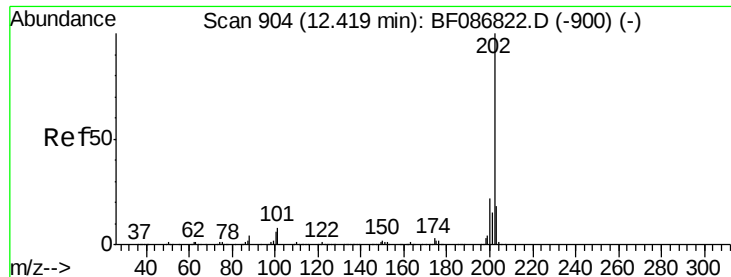


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.32 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampleId :

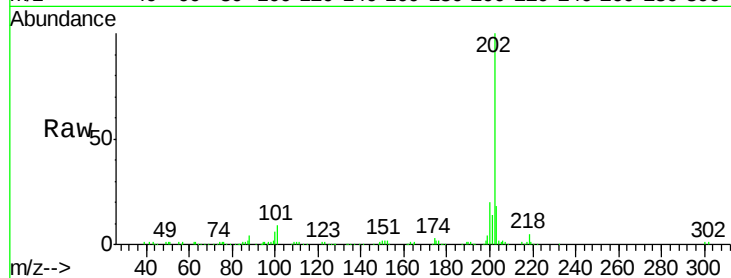
Tot Ion:202 Resp: 176062

Ion Ratio Lower Upper

202 100

101 8.5 0.0 35.4

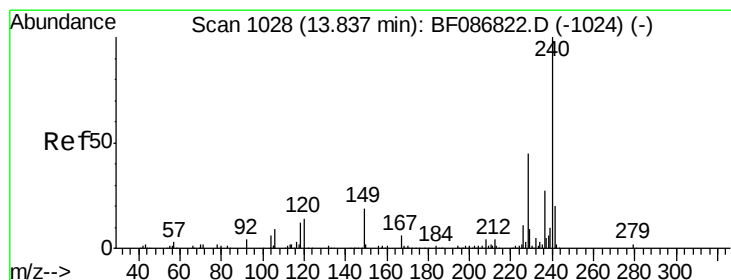
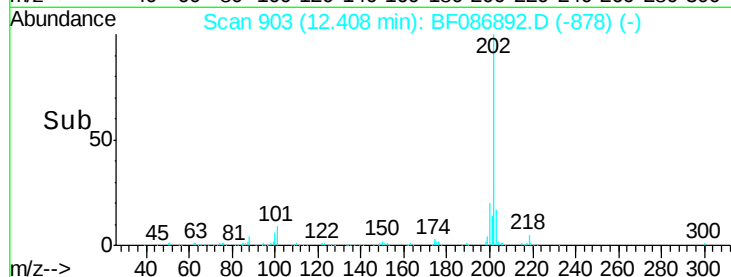
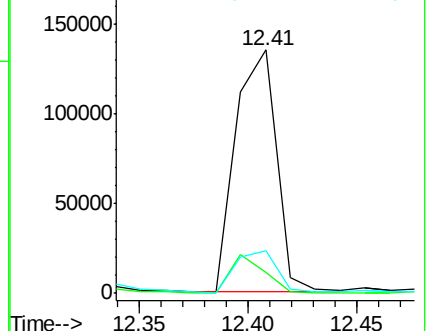
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

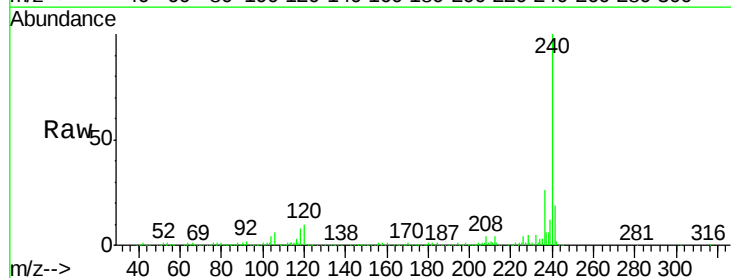
Tgt Ion:240 Resp: 330999

Ion Ratio Lower Upper

240 100

120 9.8 11.2 16.8#

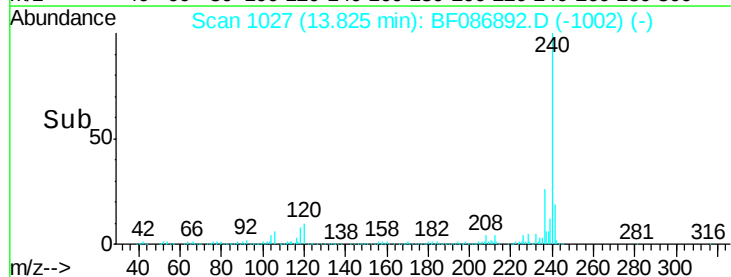
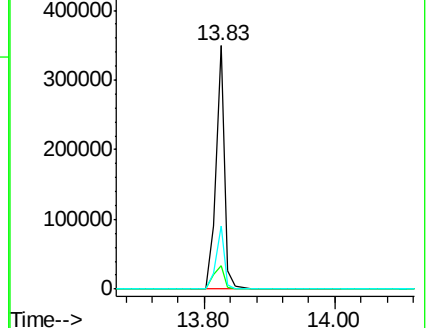
236 25.9 21.2 31.8

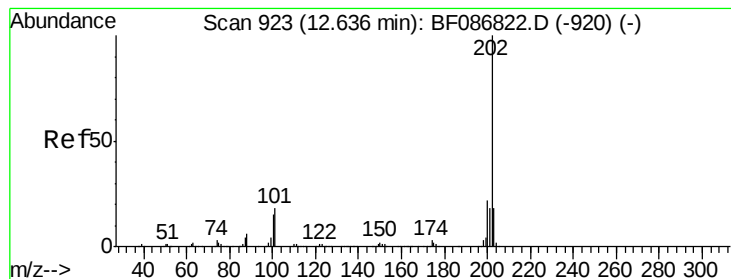


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.32 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :  
BNA\_F  
ClientSampleId :

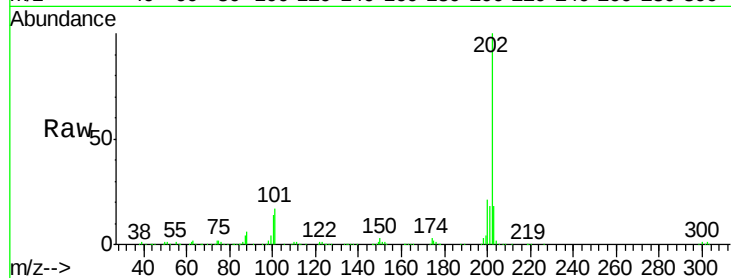
Tot Ion:202 Resp: 261480

Ion Ratio Lower Upper

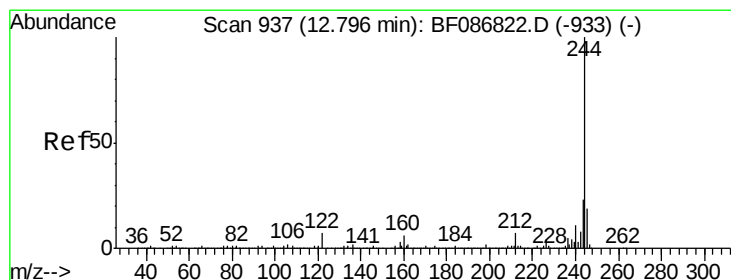
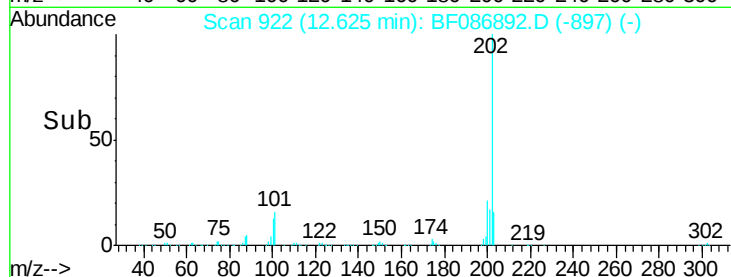
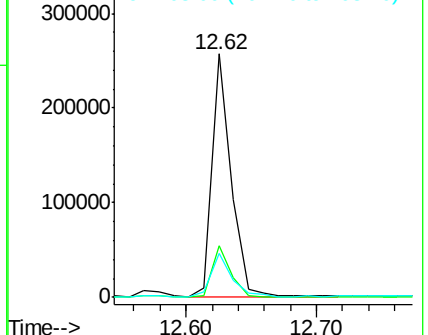
202 100

200 21.2 17.7 26.5

203 17.8 14.2 21.4



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: 1.82 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

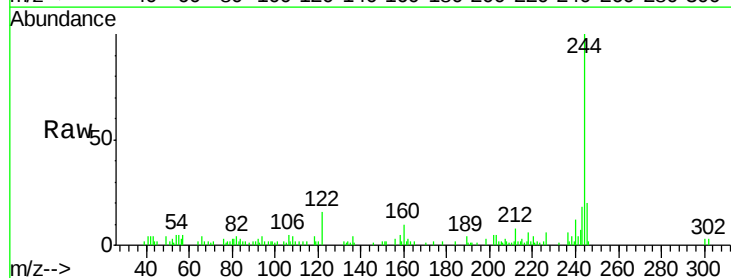
Tgt Ion:244 Resp: 28343

Ion Ratio Lower Upper

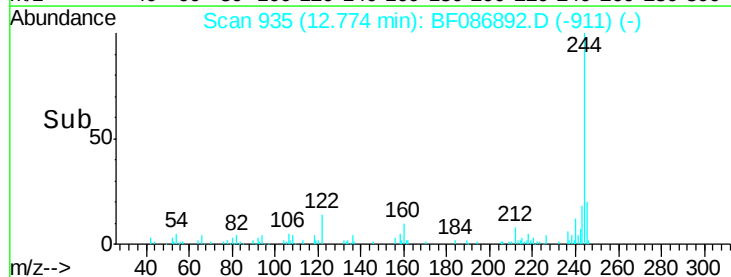
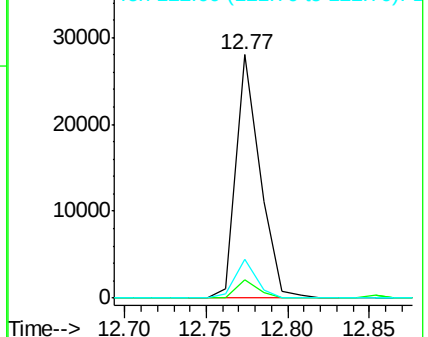
244 100

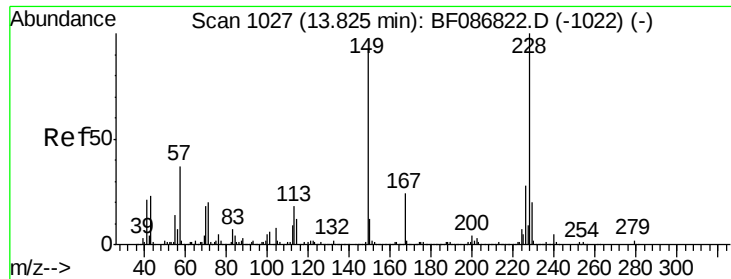
212 7.7 6.2 9.2

122 15.8 12.0 18.0



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





#80

Benzo(a)anthracene

Concen: 3.07 ng

RT: 13.85 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA\_F

ClientSampled :

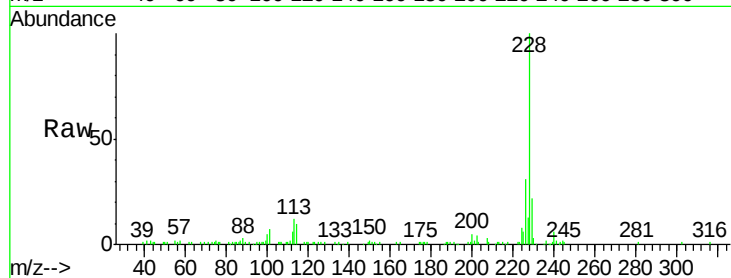
Tot Ion:228 Resp: 56997

Ion Ratio Lower Upper

228 100

226 31.1 22.5 33.7

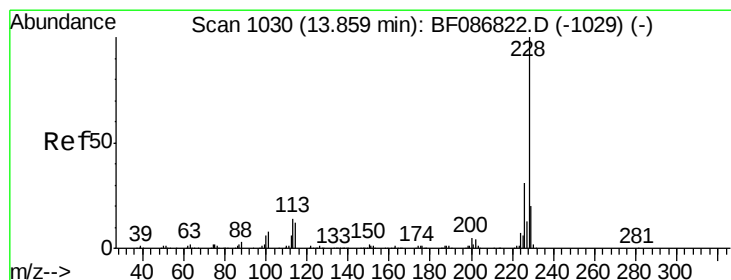
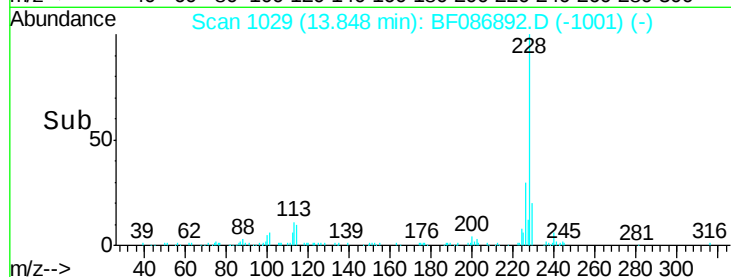
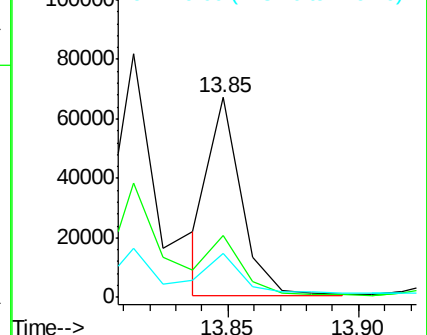
229 21.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.02 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

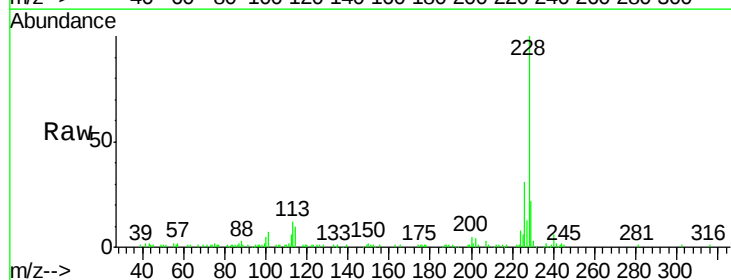
Tgt Ion:228 Resp: 56997

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

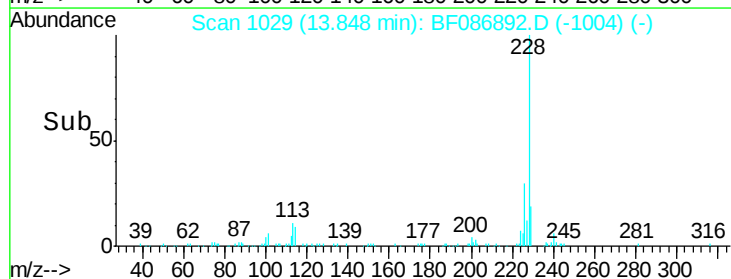
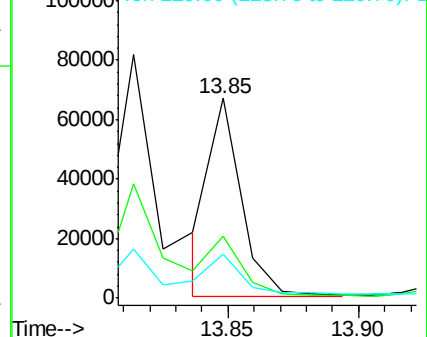
229 21.8 15.8 23.8

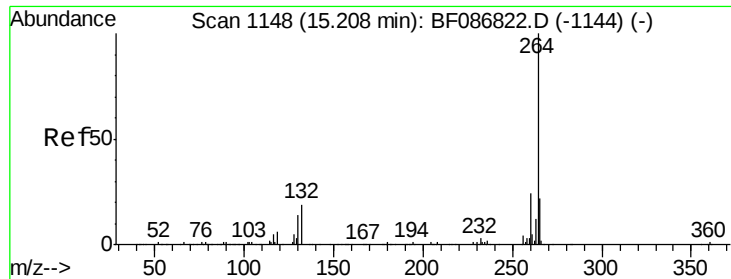


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

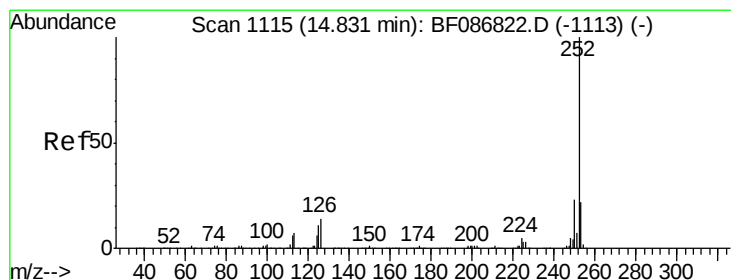
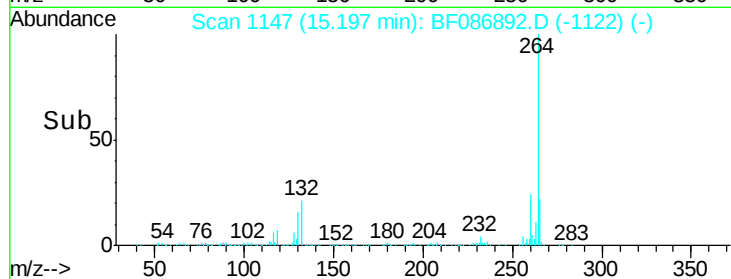
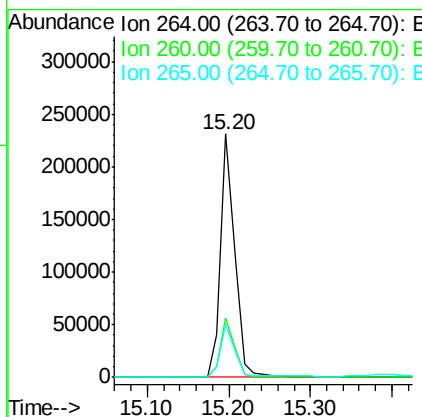
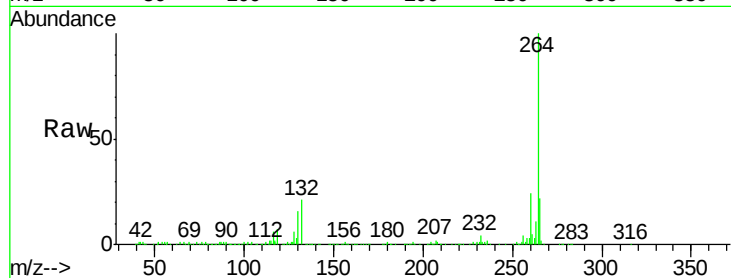




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.20 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

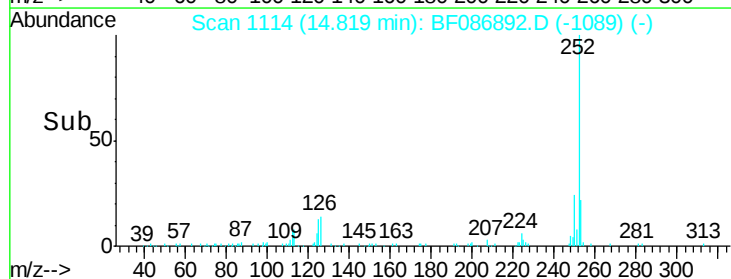
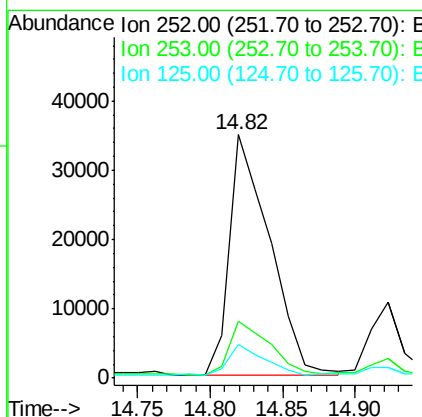
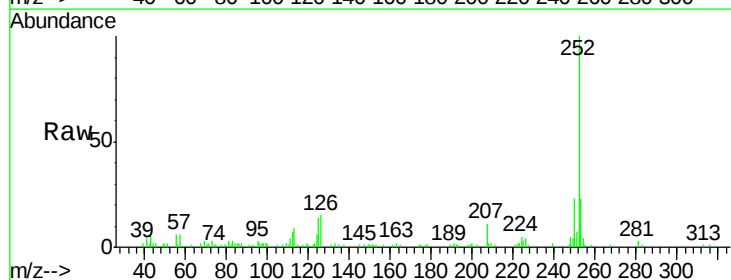
Instrument :  
BNA\_F  
ClientSampleId :

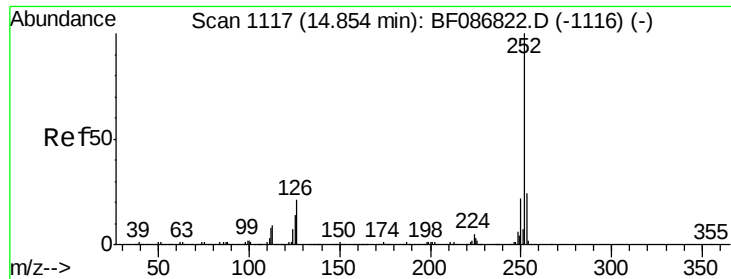
Tot Ion:264 Resp: 278620  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.5 29.3  
265 21.9 17.3 25.9



#87  
Benzo(b)fluoranthene  
Concen: 3.66 ng  
RT: 14.82 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Tgt Ion:252 Resp: 66356  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.6  
125 13.7 11.4 17.0

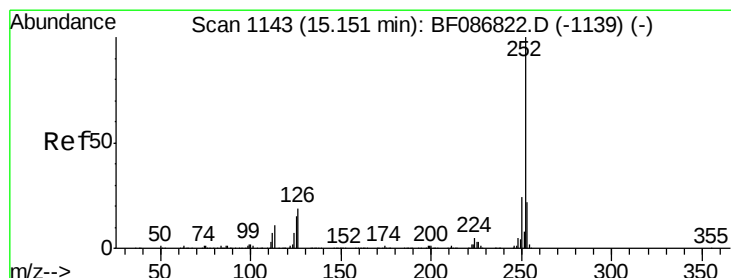
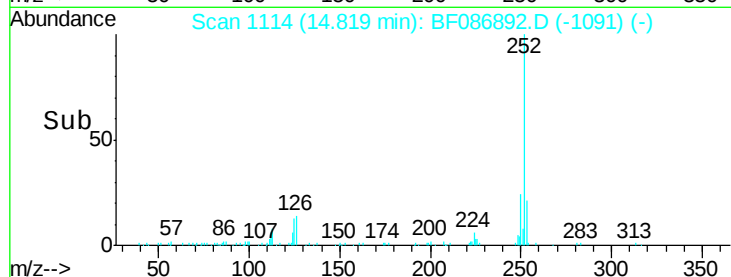
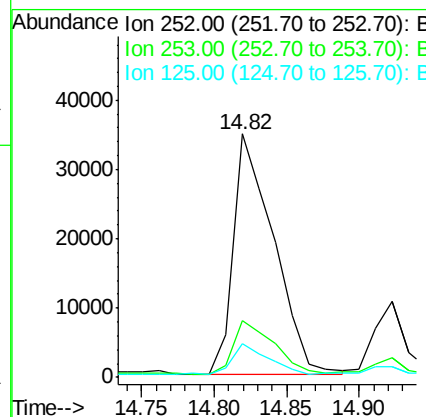
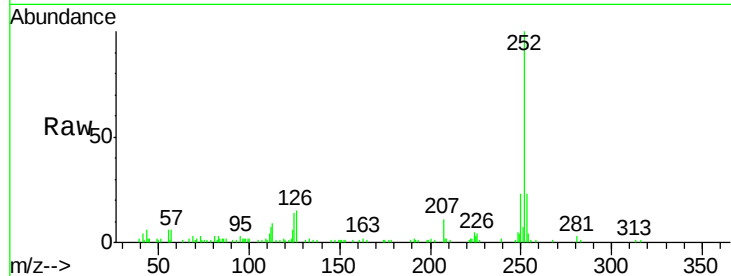




#88  
Benzo(k)fluoranthene  
Concen: 4.48 ng  
RT: 14.82 min Scan# 1114  
Delta R.T. -0.03 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 66356  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.6  
125 13.7 9.1 13.7#



#89  
Benzo(a)pyrene  
Concen: 2.03 ng  
RT: 15.09 min Scan# 1138  
Delta R.T. -0.06 min  
Lab File: BF086892.D  
Acq: 11 May 2016 10:25

Tgt Ion:252 Resp: 31705  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.2 25.8  
125 12.9 9.0 13.6

