

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\  
 Data File : BF086971.D  
 Acq On : 13 May 2016 12:58  
 Operator : UM/SJ  
 Sample : H2994-09DL 2X  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 13 15:02:39 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 14:55:23 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.62  | 152  | 136100   | 20.00 | ng    | -0.08    |
| 21) Naphthalene-d8        | 7.91  | 136  | 521537   | 20.00 | ng    | -0.08    |
| 38) Acenaphthene-d10      | 9.66  | 164  | 214813   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 11.13 | 188  | 323553   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12          | 13.76 | 240  | 282337   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12          | 15.13 | 264  | 254214   | 20.00 | ng    | -0.08    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.21  | 112  | 401877   | 50.01 | ng    | -0.08    |
| 7) Phenol-d6                | 6.28  | 99   | 569735   | 53.05 | ng    | -0.08    |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 383298   | 36.90 | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 10.44 | 330  | 87616    | 38.53 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 569288   | 44.54 | ng    | -0.08    |
| 78) Terphenyl-d14           | 12.72 | 244  | 377554   | 28.37 | ng    | -0.08    |

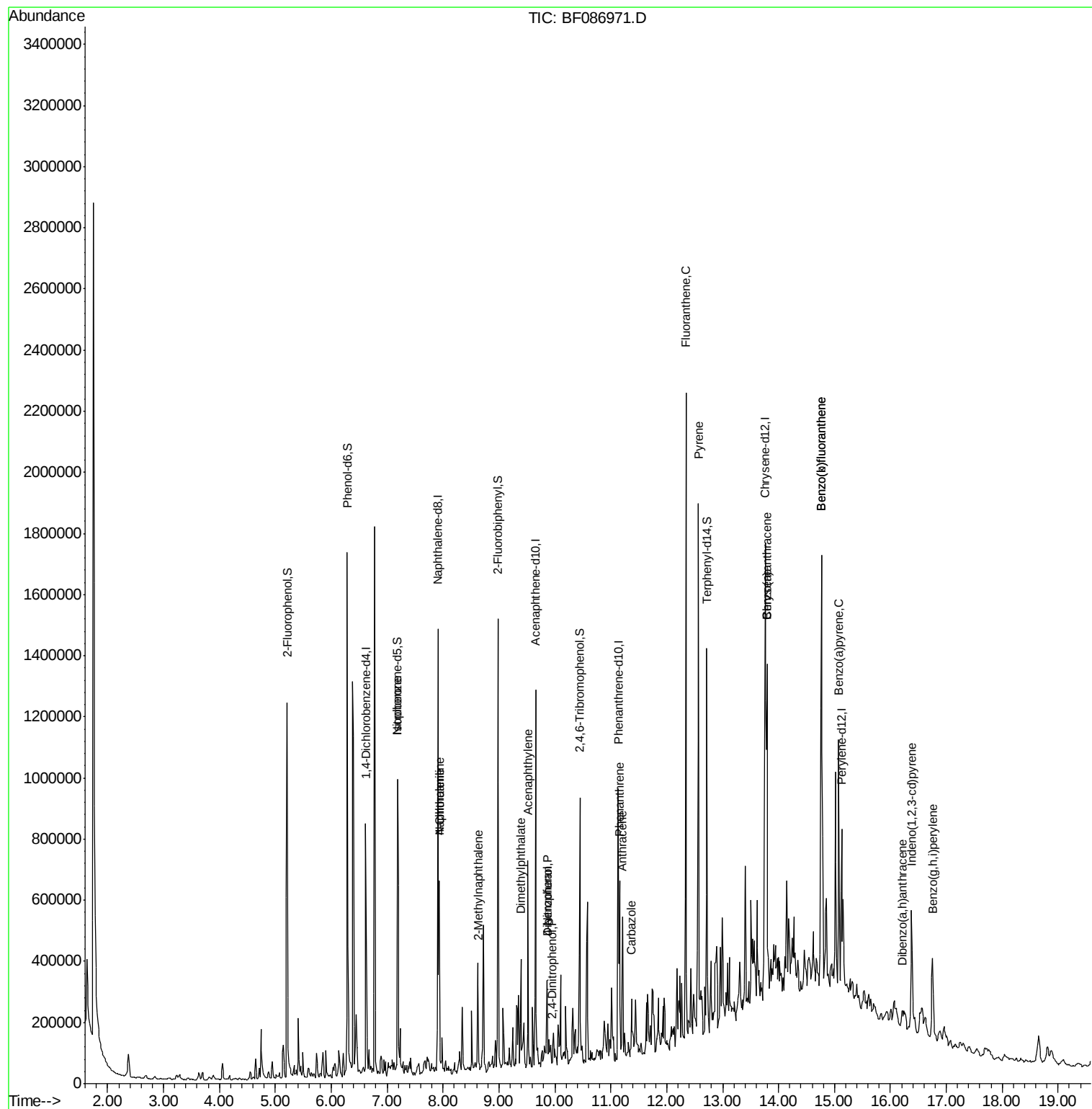
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 25) Isophorone                 | 7.19  | 82   | 362152   | 18.79     | ng    | # 69   |
| 31) Naphthalene                | 7.93  | 128  | 231157   | 8.85      | ng    | 99     |
| 33) 4-Chloroaniline            | 7.93  | 127  | 30095    | 2.96      | ng    | # 37   |
| 37) 2-Methylnaphthalene        | 8.63  | 142  | 130153   | 8.52      | ng    | 98     |
| 48) Acenaphthylene             | 9.52  | 152  | 245783   | 12.48     | ng    | 98     |
| 49) Dimethylphthalate          | 9.39  | 163  | 51341    | 3.13      | ng    | 99     |
| 53) 2,4-Dinitrophenol          | 9.94  | 184  | 882      | 8.14      | ng    | # 83   |
| 54) Dibenzofuran               | 9.86  | 168  | 64504    | 4.10      | ng    | # 96   |
| 55) 4-Nitrophenol              | 9.86  | 139  | 28308    | 15.59     | ng    | # 19   |
| 60) 4-Chlorophenyl-phenylether | 10.01 | 204  | 914      | Below Cal |       | # 39   |
| 70) Phenanthrene               | 11.15 | 178  | 216603   | 12.54     | ng    | 99     |
| 71) Anthracene                 | 11.21 | 178  | 188491   | 10.67     | ng    | 98     |
| 72) Carbazole                  | 11.37 | 167  | 73164    | 4.82      | ng    | 98     |
| 74) Fluoranthene               | 12.34 | 202  | 786908   | 44.31     | ng    | 96     |
| 77) Pyrene                     | 12.57 | 202  | 779375   | 36.06     | ng    | 99     |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 493439   | 31.13     | ng    | 96     |
| 82) Chrysene                   | 13.79 | 228  | 494776   | 30.69     | ng    | 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.38 | 276  | 233961   | 17.44     | ng    | # 91   |
| 87) Benzo(b)fluoranthene       | 14.77 | 252  | 968151   | 58.60     | ng    | 96     |
| 88) Benzo(k)fluoranthene       | 14.77 | 252  | 968151   | 71.57     | ng    | 98     |
| 89) Benzo(a)pyrene             | 15.07 | 252  | 349902   | 24.55     | ng    | 95     |
| 90) Dibenzo(a,h)anthracene     | 16.22 | 278  | 43222    | 3.60      | ng    | 95     |
| 91) Benzo(g,h,i)perylene       | 16.75 | 276  | 198811   | 16.29     | ng    | # 91   |

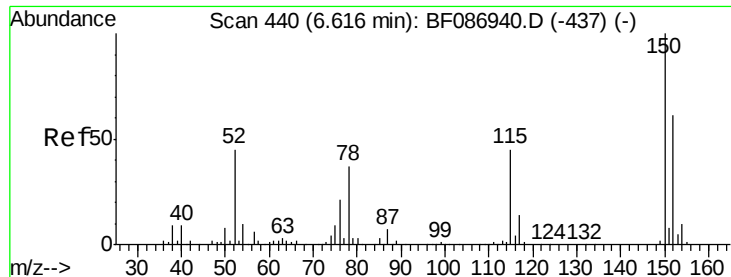
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\  
Data File : BF086971.D  
Acq On : 13 May 2016 12:58  
Operator : UM/SJ  
Sample : H2994-09DL 2X  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: May 13 15:02:39 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 13 14:55:23 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampled :

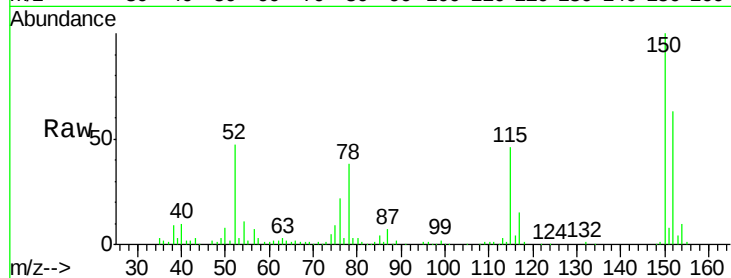
Tot Ion:152 Resp: 136100

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

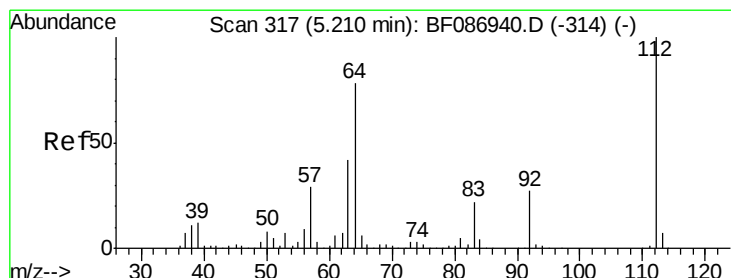
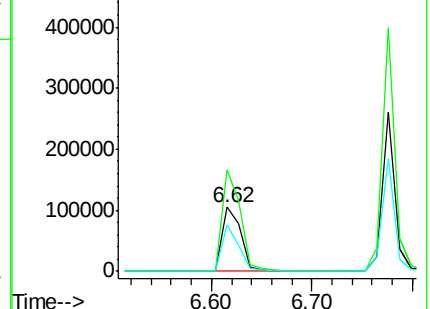
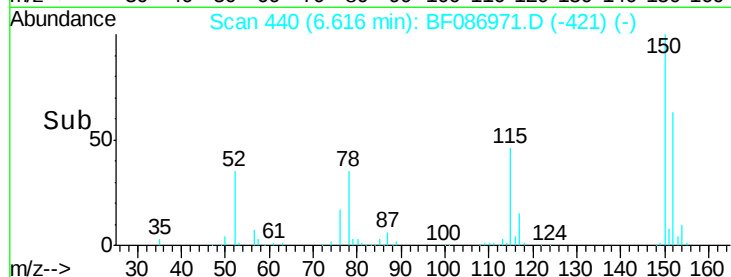
115 72.6 51.5 77.3



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: 50.01 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

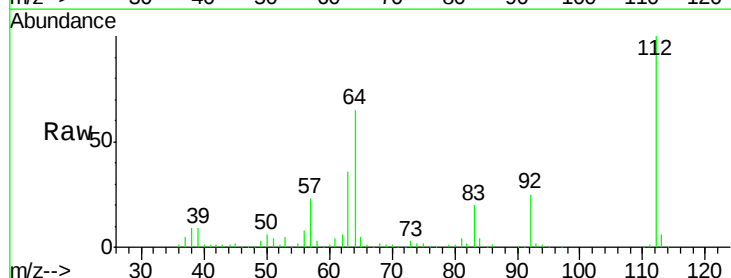
Tgt Ion:112 Resp: 401877

Ion Ratio Lower Upper

112 100

64 65.0 52.1 78.1

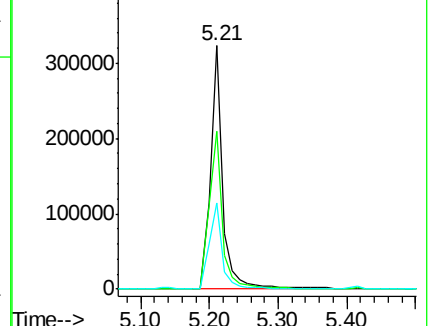
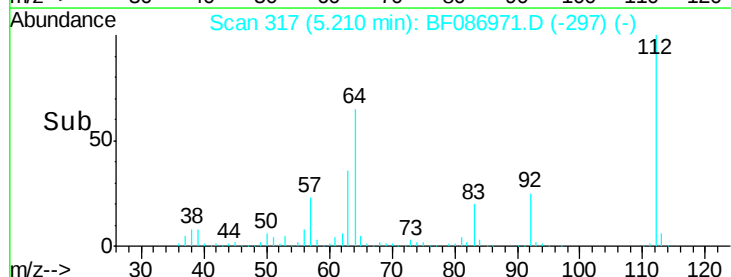
63 35.6 25.7 38.5

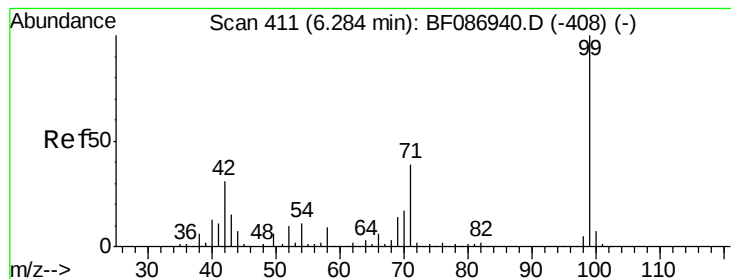


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.05 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

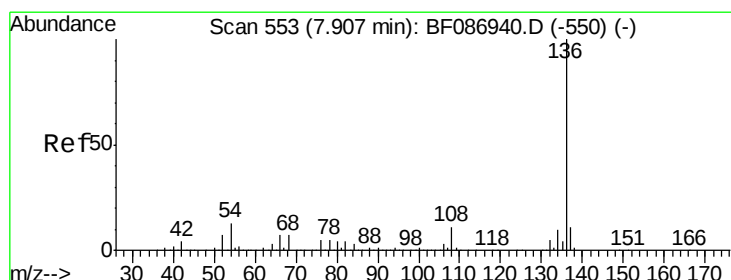
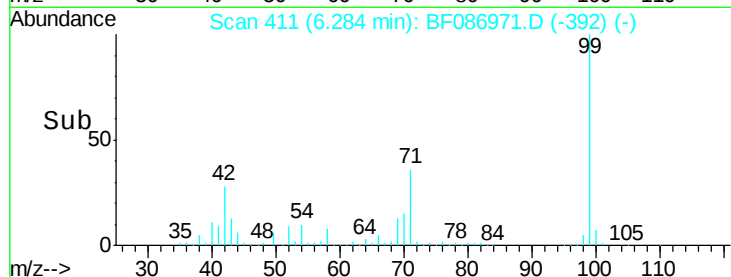
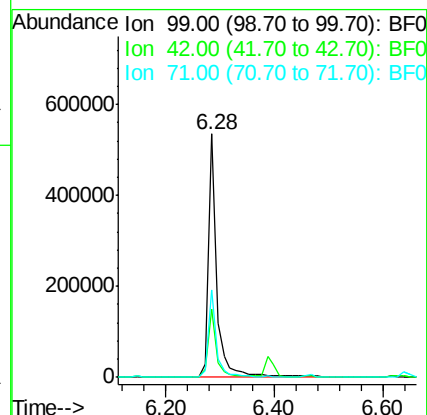
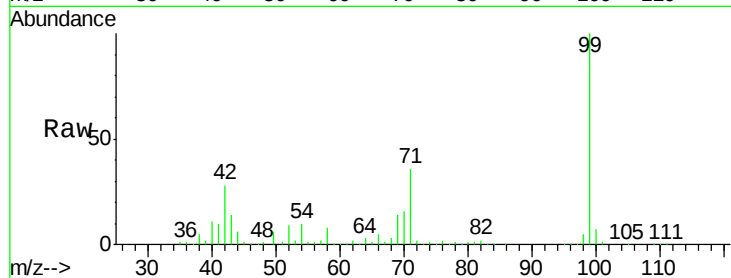
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 569735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.2  | 13.6  | 20.4# |
| 71  | 35.9  | 24.6  | 36.8  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

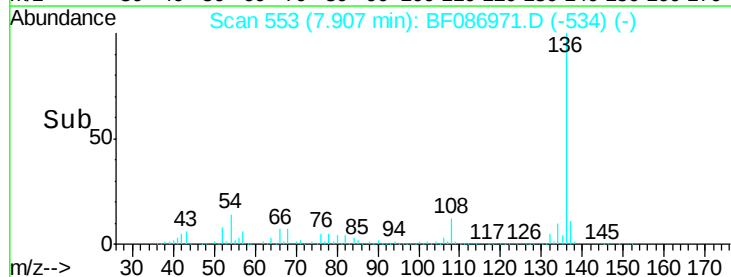
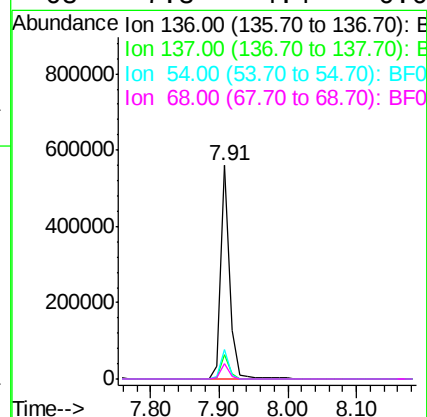
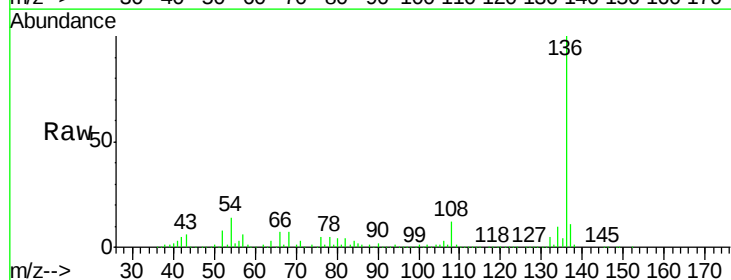
Delta R.T. -0.08 min

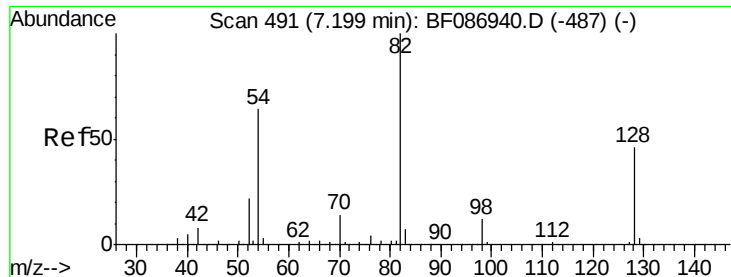
Lab File: BF086971.D

Acq: 13 May 2016 12:58

Tgt Ion: 136 Resp: 521537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.8   | 13.2  |
| 54  | 13.9  | 5.0   | 7.4#  |
| 68  | 7.3   | 4.4   | 6.6#  |

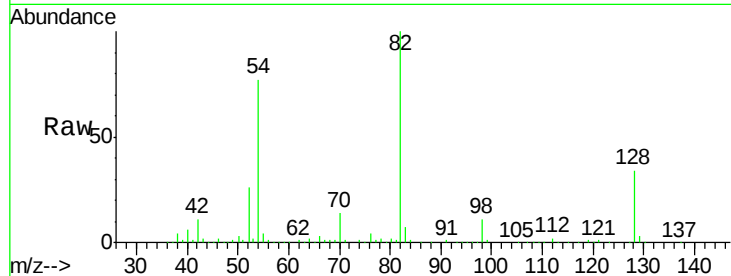




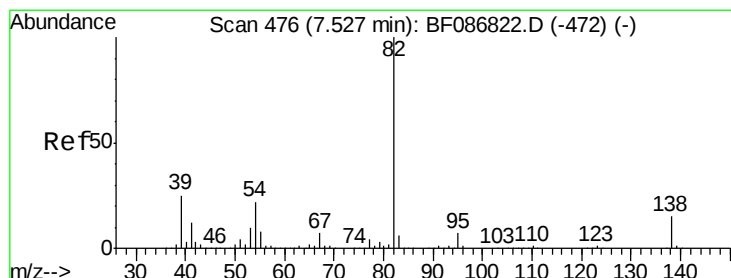
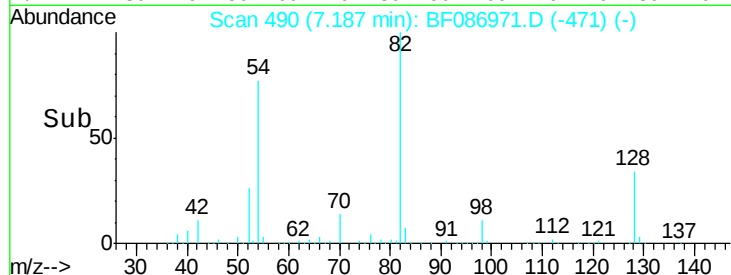
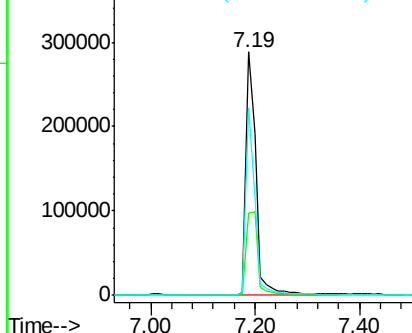
#23  
Nitrobenzene-d5  
Concen: 36.90 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 383298 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.8  | 40.6  | 61.0#  |
| 54        | 76.8  | 38.1  | 57.1#  |

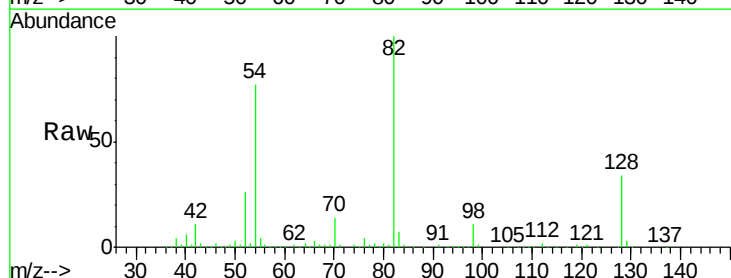


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

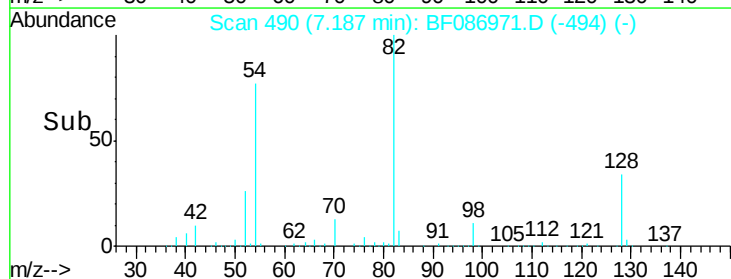
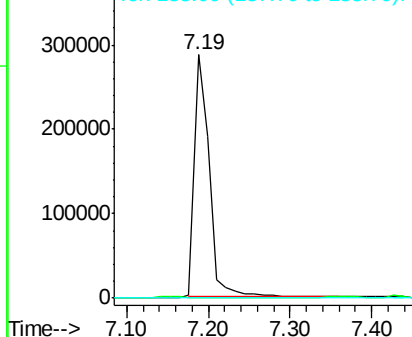


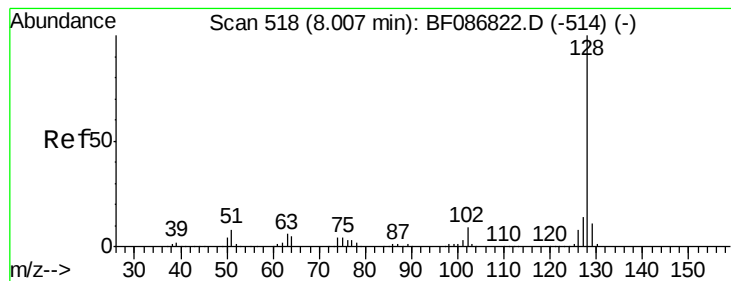
#25  
Isophorone  
Concen: 18.79 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.34 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

| Tgt Ion   | 82    | Resp  | 362152 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.4   | 5.1   | 7.7#   |
| 138       | 0.0   | 12.4  | 18.6#  |



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





#31

Naphthalene

Concen: 8.85 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampleId :

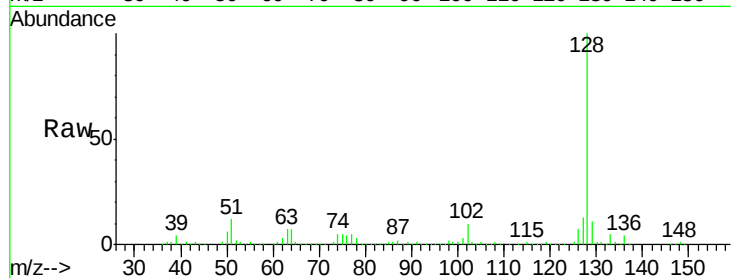
Tot Ion:128 Resp: 231157

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

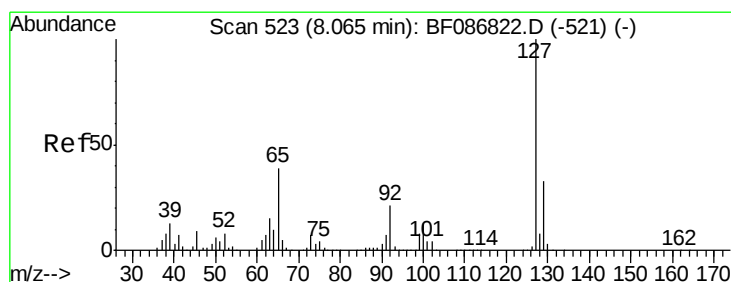
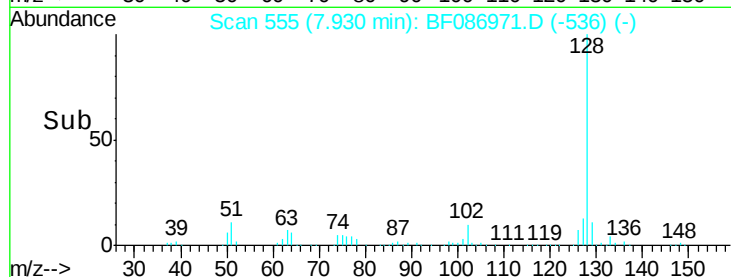
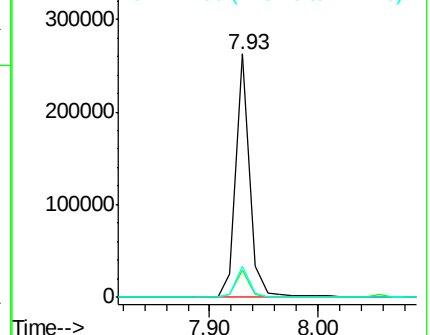
127 12.9 10.8 16.2



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



#33

4-Chloroaniline

Concen: 2.96 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.13 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Tgt Ion:127 Resp: 30095

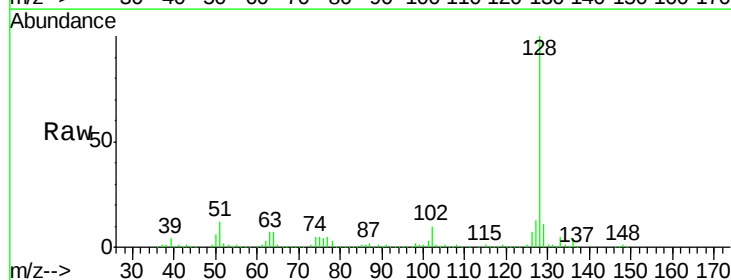
Ion Ratio Lower Upper

127 100

129 85.7 26.2 39.4#

65 5.4 23.0 34.4#

92 1.3 15.1 22.7#

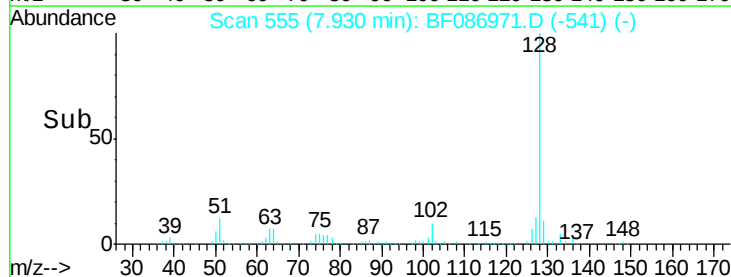
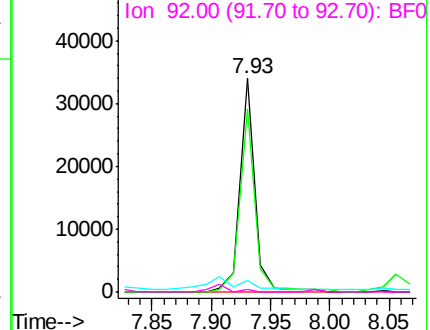


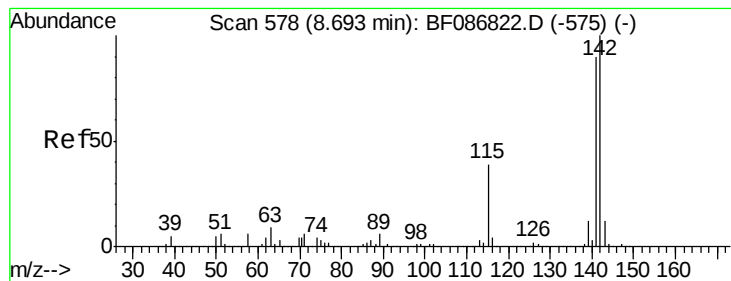
Abundance Ion 127.00 (126.70 to 127.70): E

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

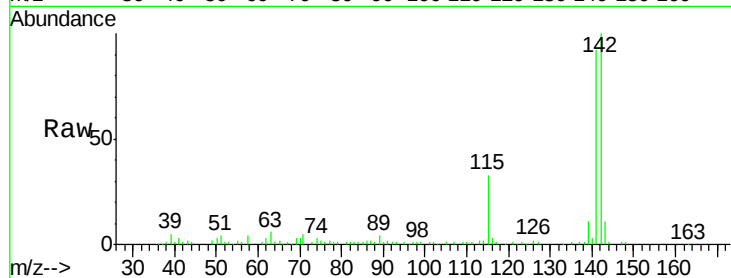




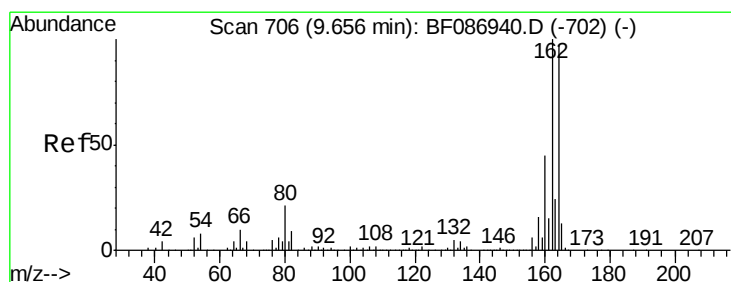
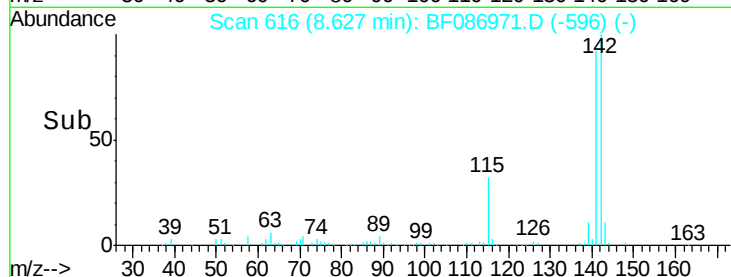
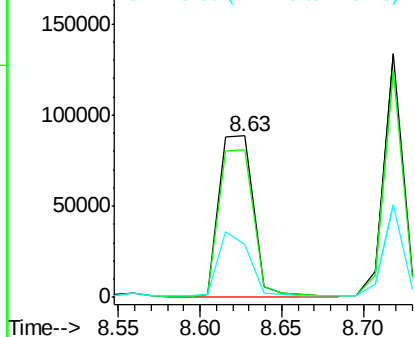
#37  
 2-Methylnaphthalene  
 Concen: 8.52 ng  
 RT: 8.63 min Scan# 616  
 Delta R.T. -0.07 min  
 Lab File: BF086971.D  
 Acq: 13 May 2016 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.6  | 71.0  | 106.6 |
| 115     | 32.8  | 26.6  | 39.8  |

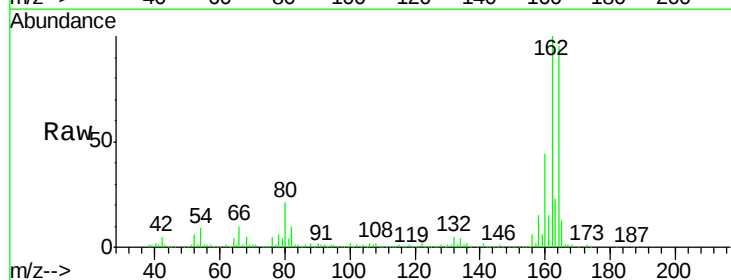


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

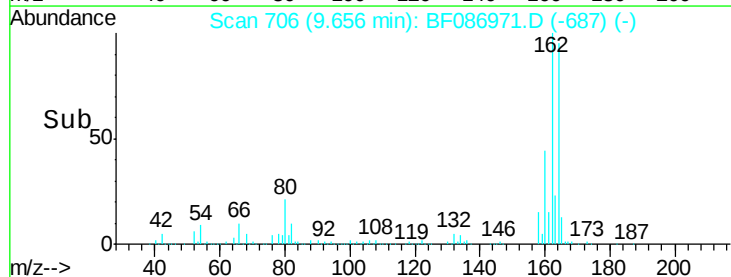
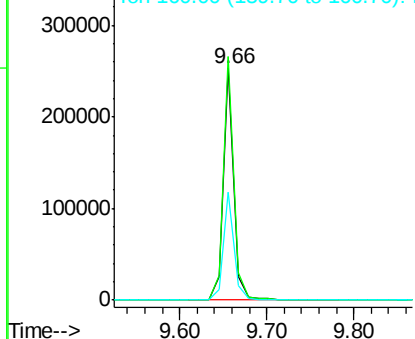


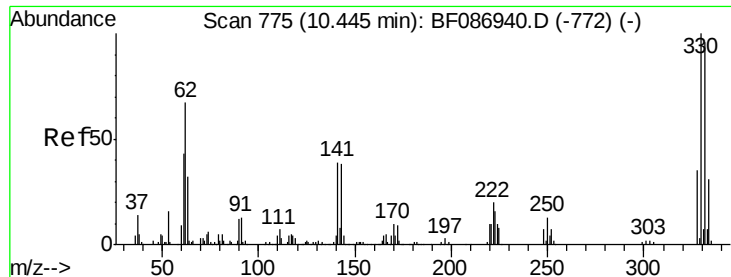
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.66 min Scan# 706  
 Delta R.T. -0.08 min  
 Lab File: BF086971.D  
 Acq: 13 May 2016 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 82.8  | 124.2 |
| 160     | 46.7  | 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

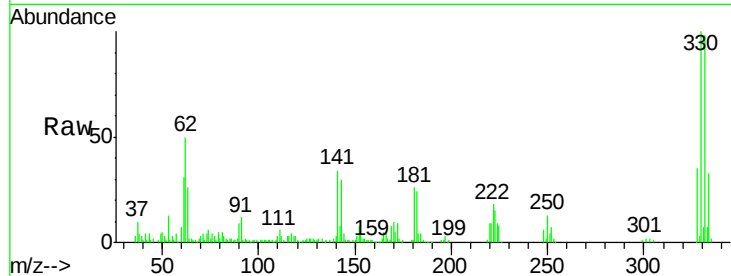




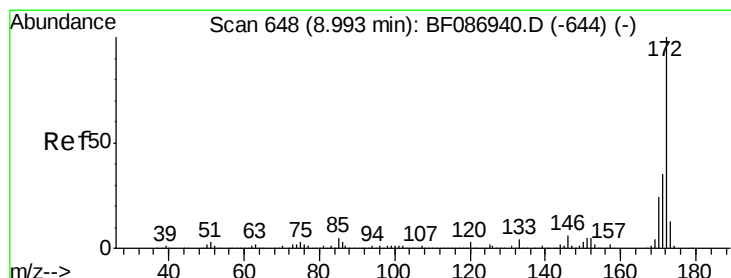
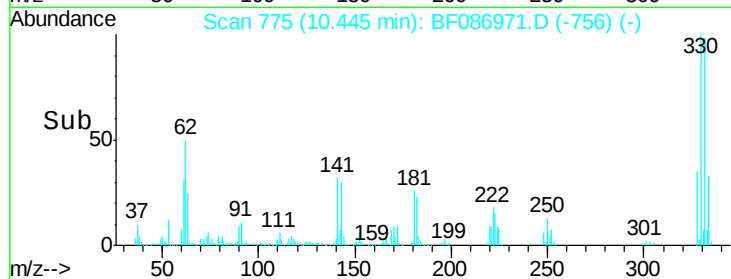
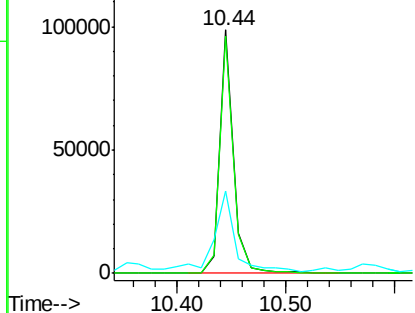
#41  
 2,4,6-Tribromophenol  
 Concen: 38.53 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.08 min  
 Lab File: BF086971.D  
 Acq: 13 May 2016 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 79.0  | 118.4 |
| 141     | 49.5  | 31.2  | 46.8  |

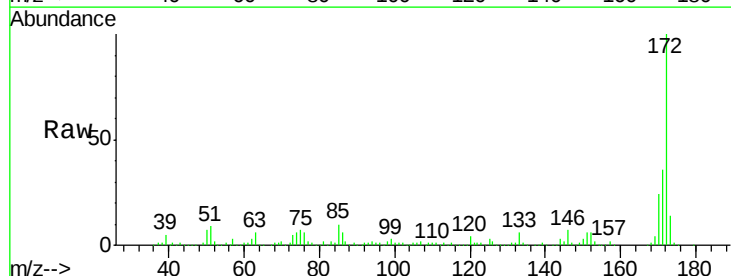


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

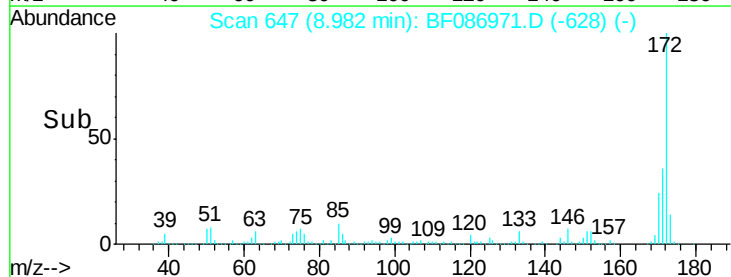
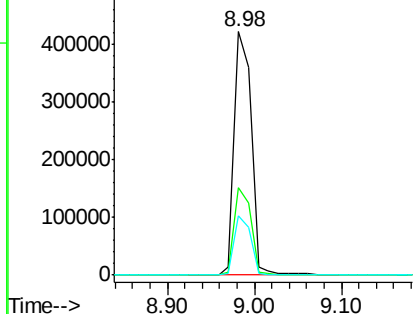


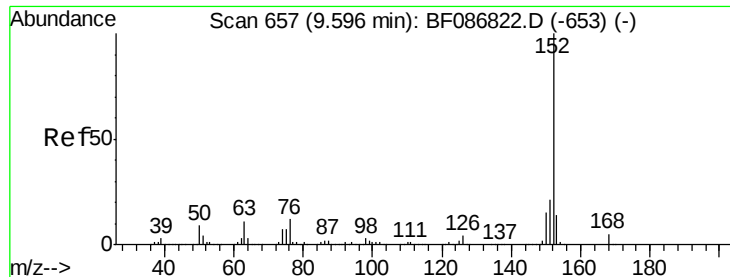
#44  
 2-Fluorobiphenyl  
 Concen: 44.54 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.08 min  
 Lab File: BF086971.D  
 Acq: 13 May 2016 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.0  | 43.6  |
| 170     | 24.2  | 19.8  | 29.8  |



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





#48

Acenaphthylene

Concen: 12.48 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampleId :

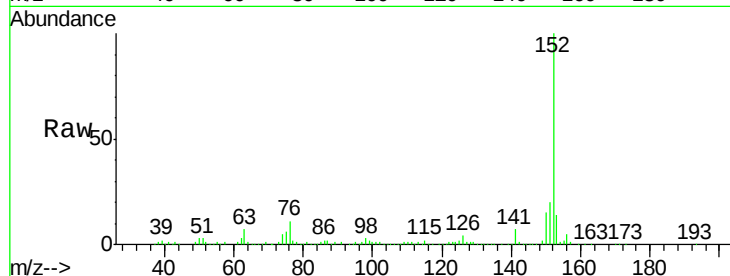
Tot Ion:152 Resp: 245783

Ion Ratio Lower Upper

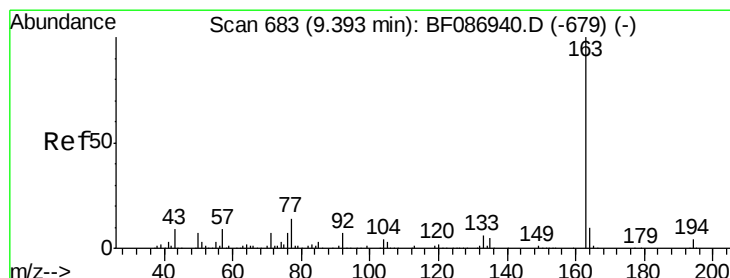
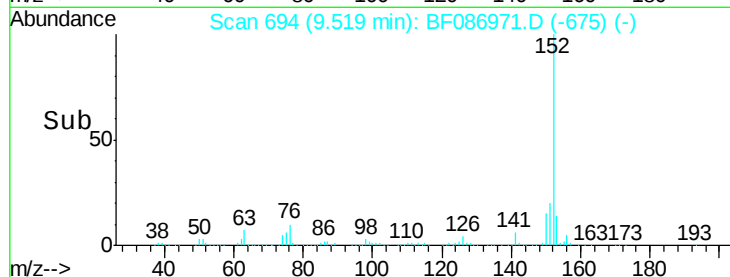
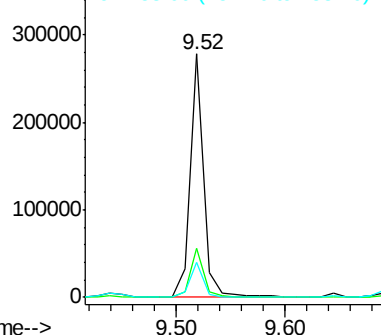
152 100

151 20.1 16.8 25.2

153 14.4 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



#49

Dimethylphthalate

Concen: 3.13 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

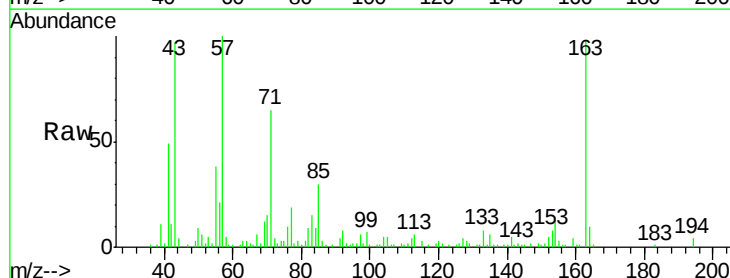
Tgt Ion:163 Resp: 51341

Ion Ratio Lower Upper

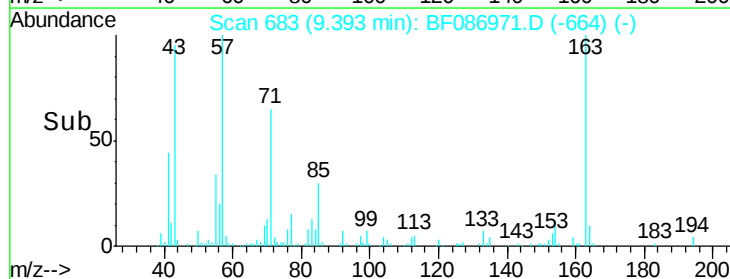
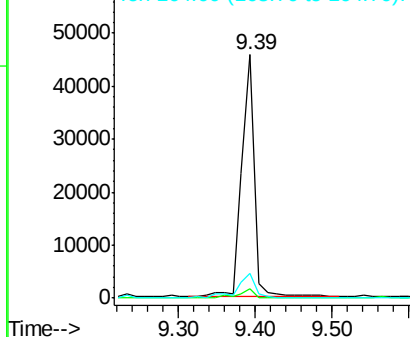
163 100

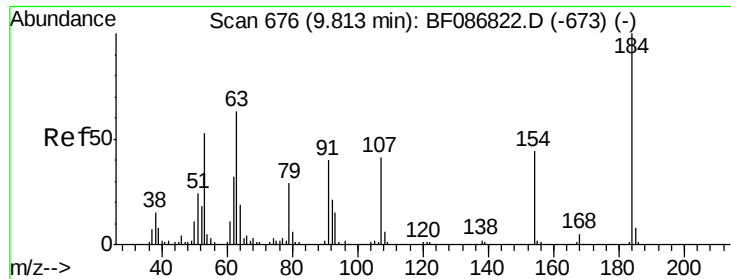
194 3.8 2.6 4.0

164 10.0 8.2 12.4



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

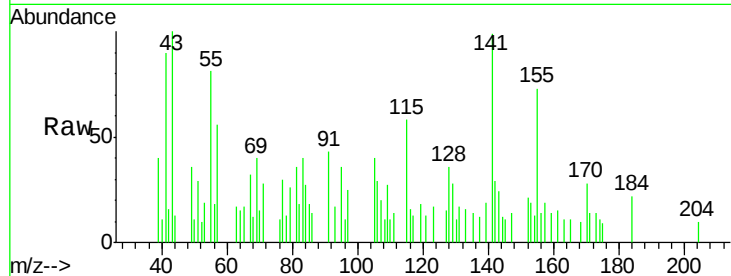




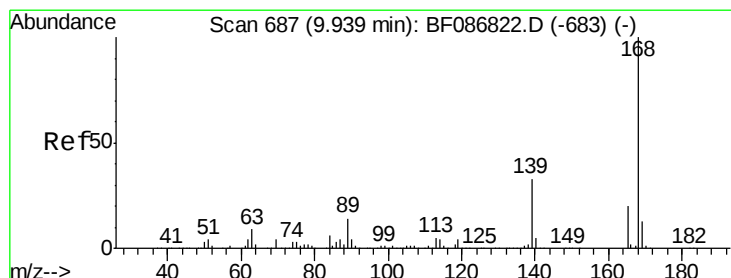
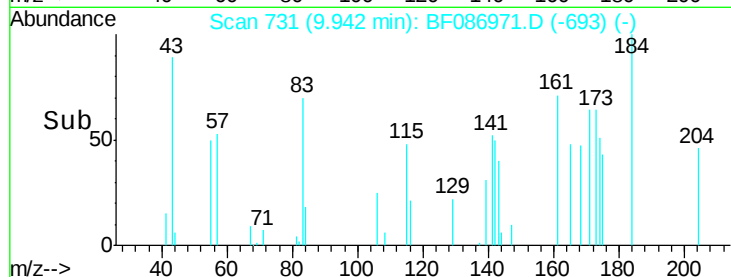
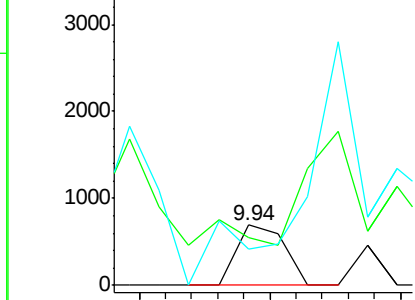
#53  
2,4-Dinitrophenol  
Concen: 8.14 ng  
RT: 9.94 min Scan# 731  
Delta R.T. 0.13 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 882  
Ion Ratio Lower Upper  
184 100  
63 79.5 55.8 83.8  
154 59.2 62.4 93.6#

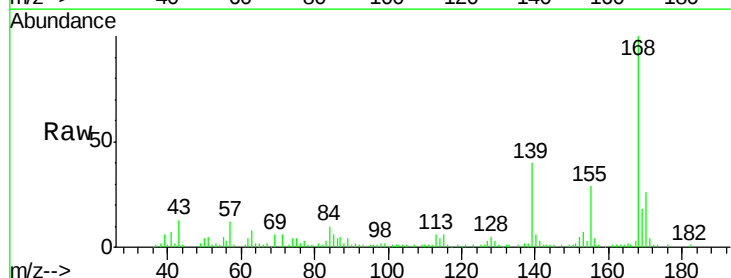


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

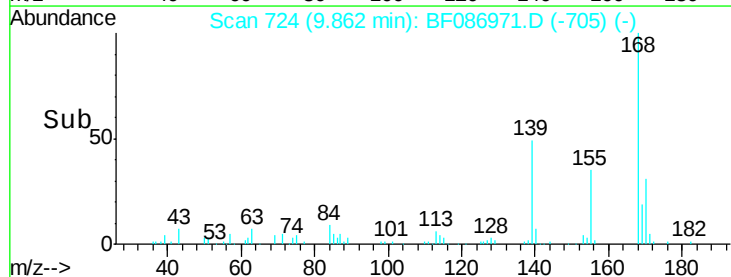
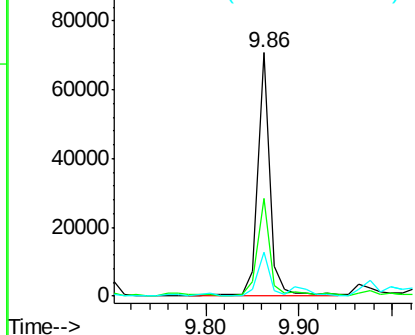


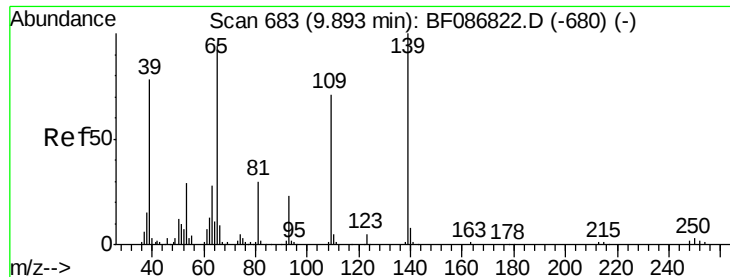
#54  
Dibenzofuran  
Concen: 4.10 ng  
RT: 9.86 min Scan# 724  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Tgt Ion:168 Resp: 64504  
Ion Ratio Lower Upper  
168 100  
139 40.4 31.4 47.0  
169 18.1 10.7 16.1#



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

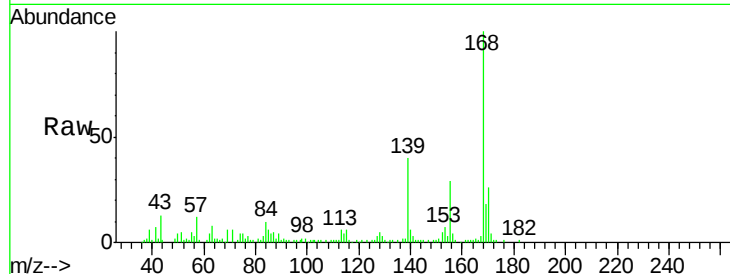




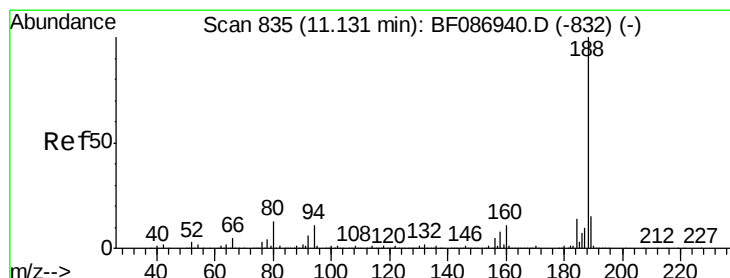
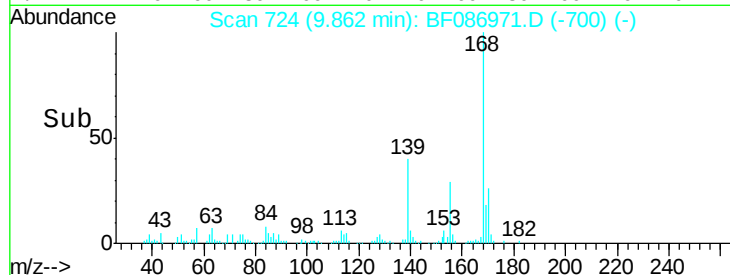
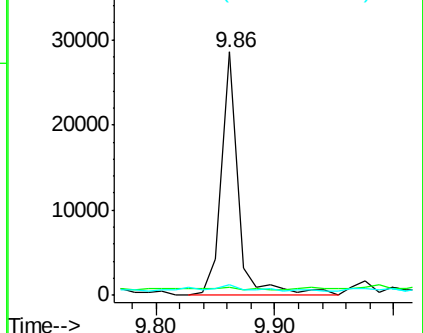
#55  
4-Nitrophenol  
Concen: 15.59 ng  
RT: 9.86 min Scan# 724  
Delta R.T. -0.03 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 3.6   | 36.9  | 76.9#  |
| 65      | 4.6   | 64.0  | 104.0# |

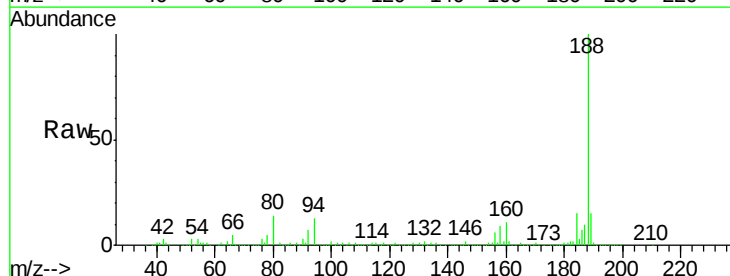


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

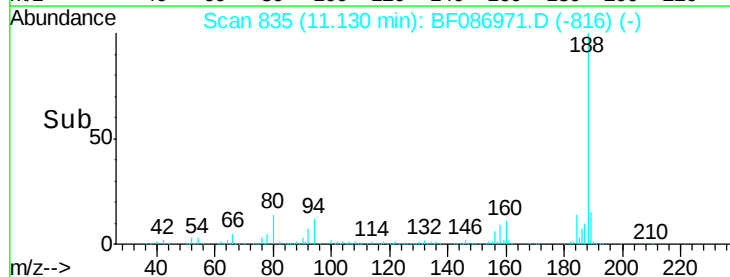
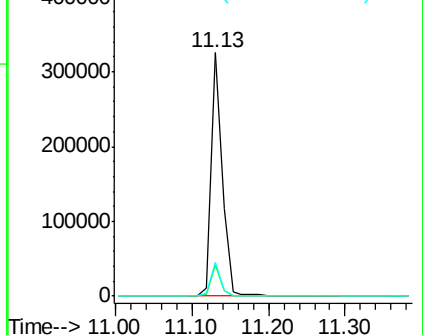


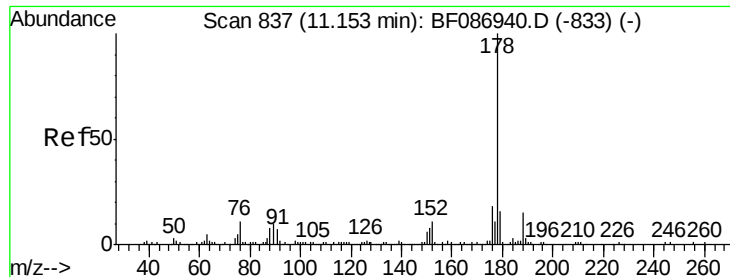
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 835  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.6  | 6.8   | 10.2# |
| 80      | 14.0  | 7.1   | 10.7# |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

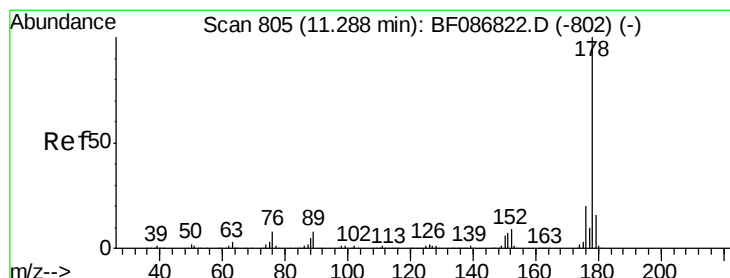
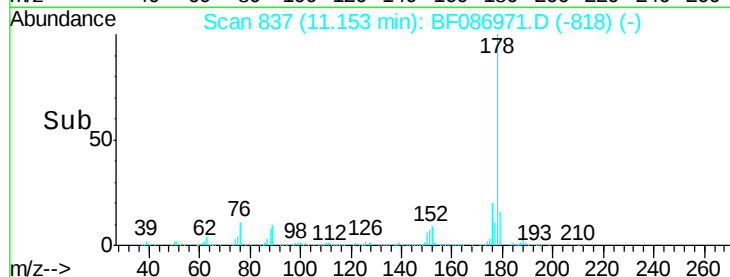
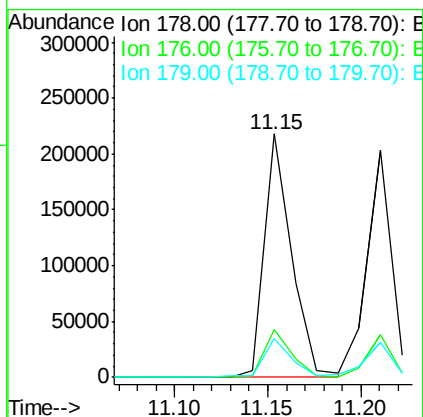
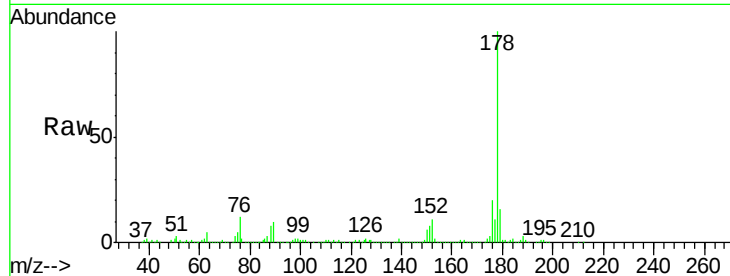




#70  
Phenanthrene  
Concen: 12.54 ng  
RT: 11.15 min Scan# 837  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

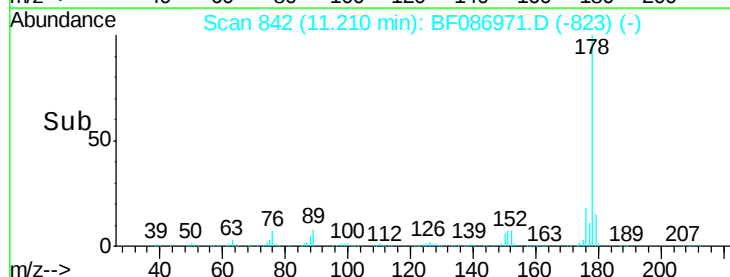
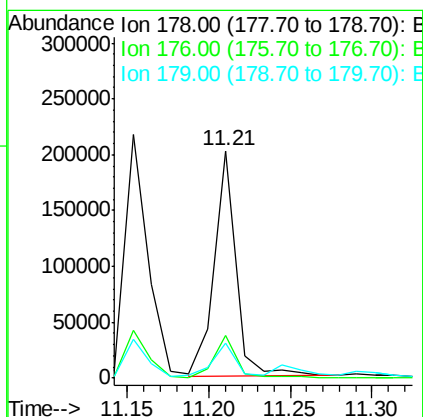
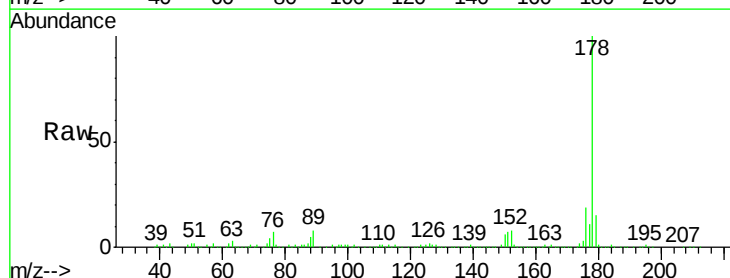
Instrument :  
BNA\_F  
ClientSampleId :

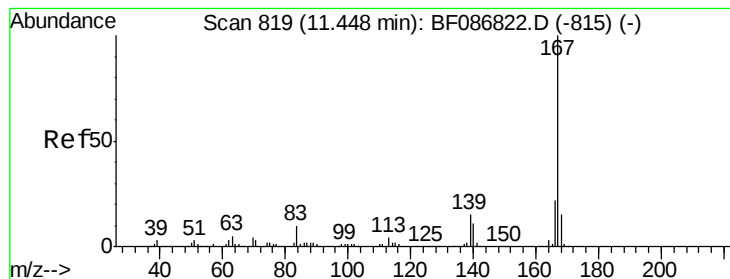
Tot Ion:178 Resp: 216603  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.0 24.0  
179 15.9 12.6 18.8



#71  
Anthracene  
Concen: 10.67 ng  
RT: 11.21 min Scan# 842  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Tgt Ion:178 Resp: 188491  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.6 23.4  
179 15.4 12.7 19.1





#72

Carbazole

Concen: 4.82 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampleId :

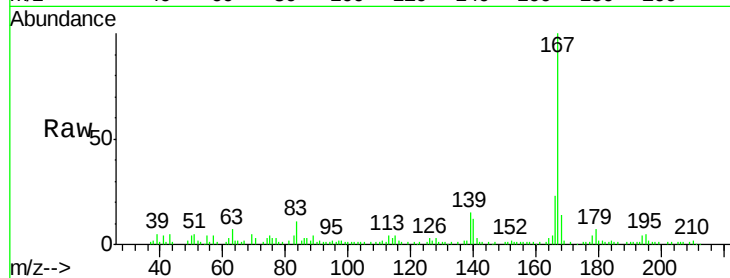
Tot Ion:167 Resp: 73164

Ion Ratio Lower Upper

167 100

166 22.6 17.7 26.5

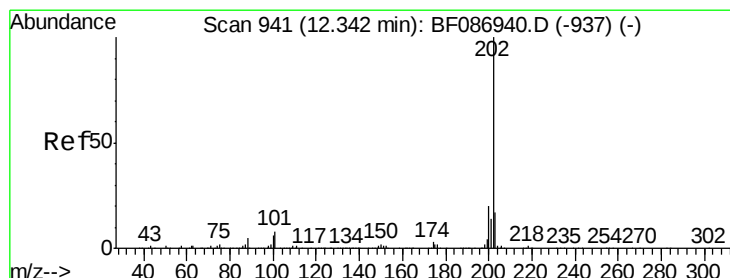
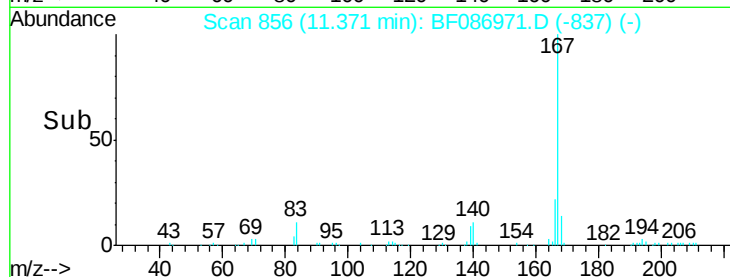
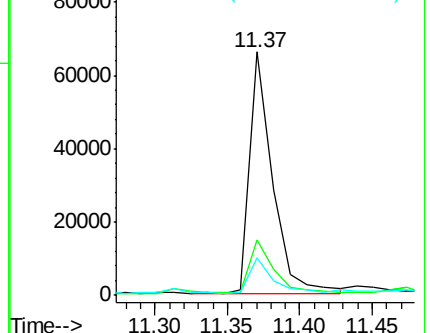
139 15.2 10.8 16.2



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



#74

Fluoranthene

Concen: 44.31 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

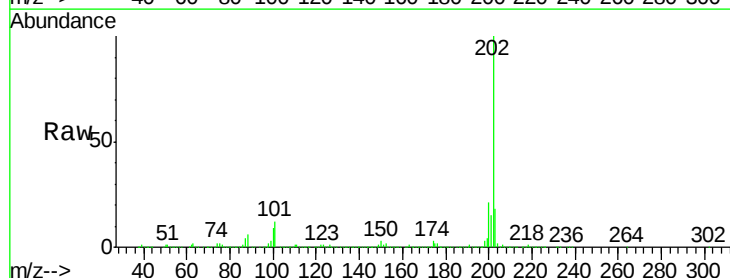
Tgt Ion:202 Resp: 786908

Ion Ratio Lower Upper

202 100

101 12.3 0.0 35.4

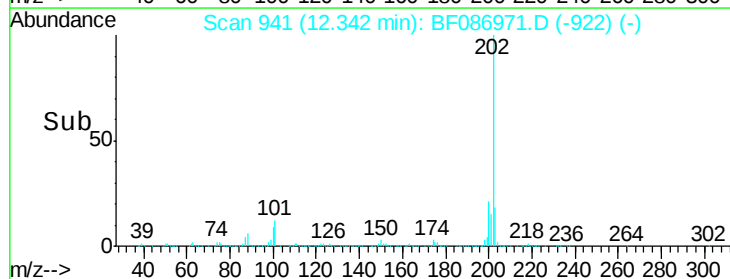
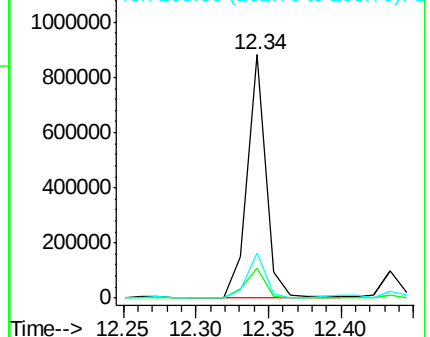
203 18.5 0.0 38.1

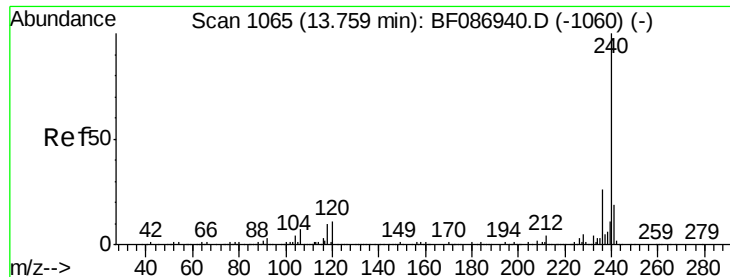


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampleId :

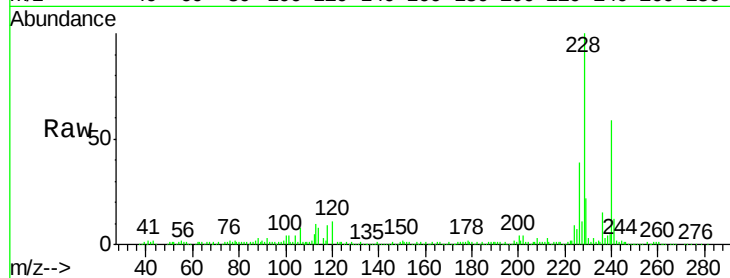
Tot Ion:240 Resp: 282337

Ion Ratio Lower Upper

240 100

120 17.9 11.2 16.8#

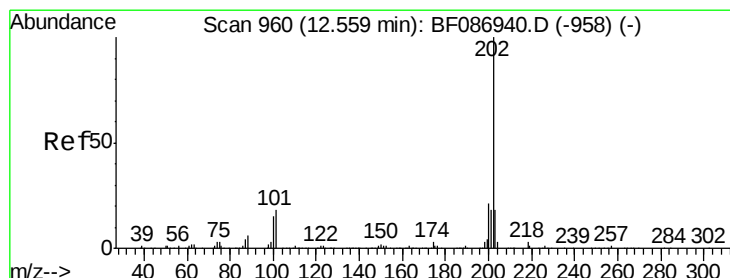
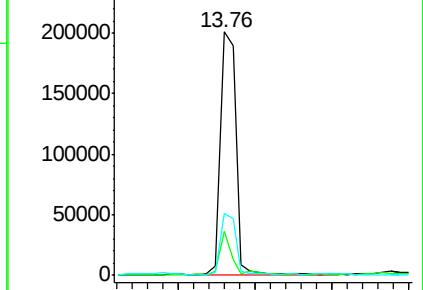
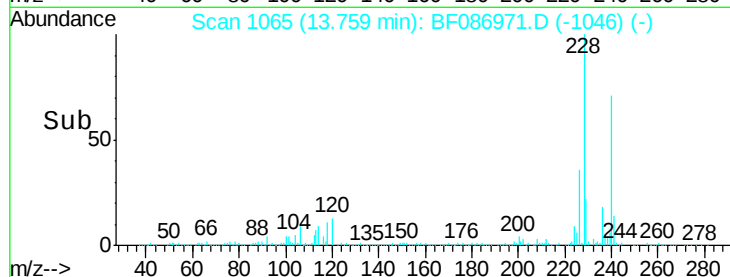
236 25.6 21.2 31.8



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

Pyrene

Concen: 36.06 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

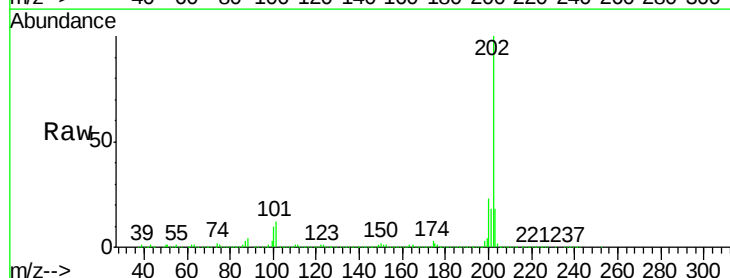
Tgt Ion:202 Resp: 779375

Ion Ratio Lower Upper

202 100

200 22.9 17.7 26.5

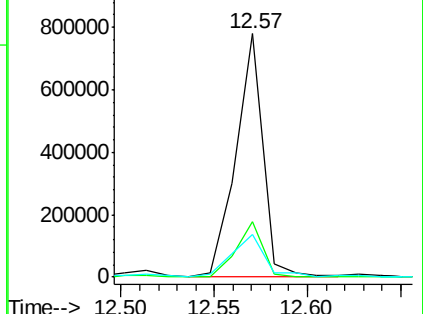
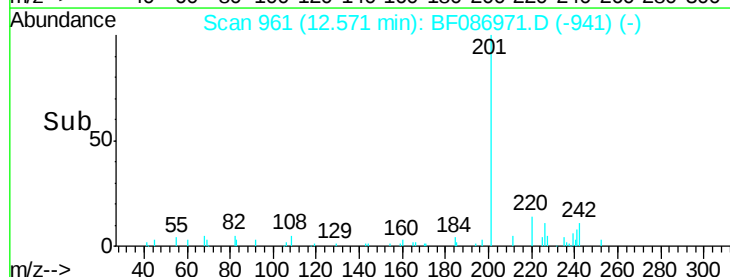
203 17.7 14.2 21.4

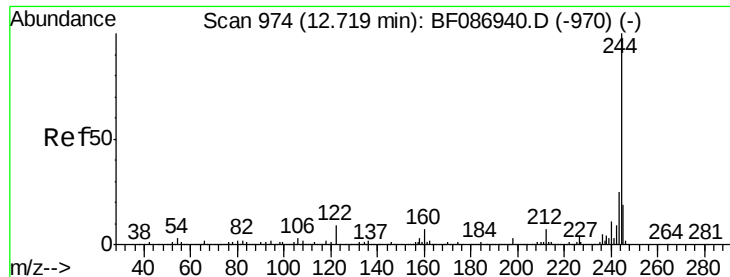


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.37 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampled :

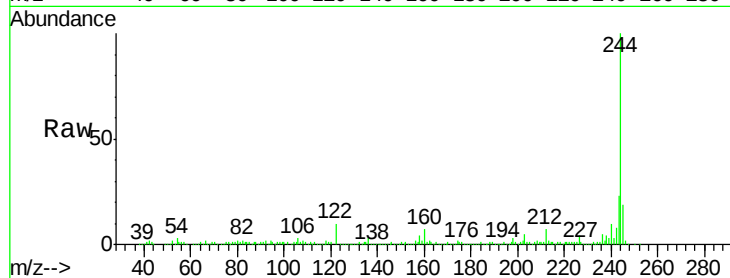
Tot Ion:244 Resp: 377554

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

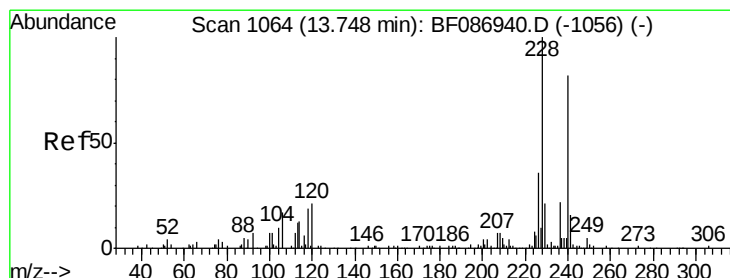
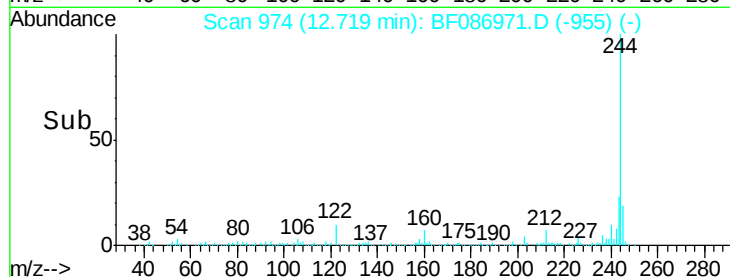
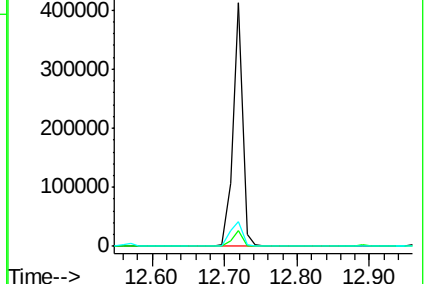
122 10.1 12.0 18.0#



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: 31.13 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.03 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

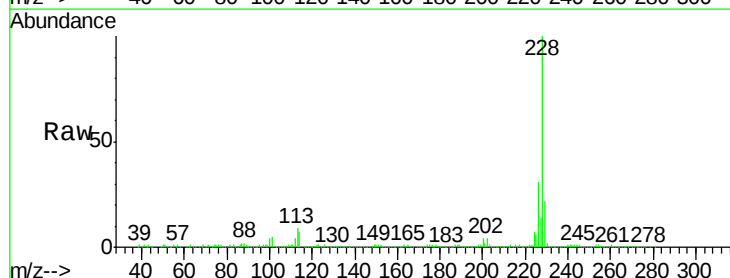
Tgt Ion:228 Resp: 493439

Ion Ratio Lower Upper

228 100

226 30.8 22.5 33.7

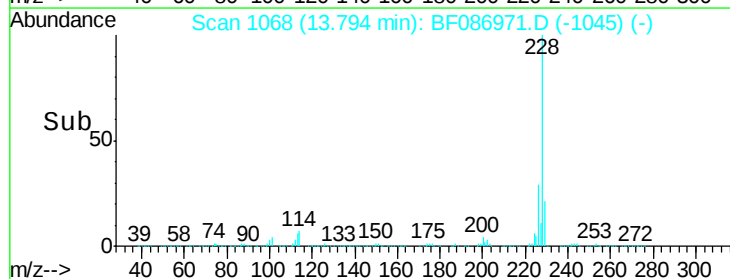
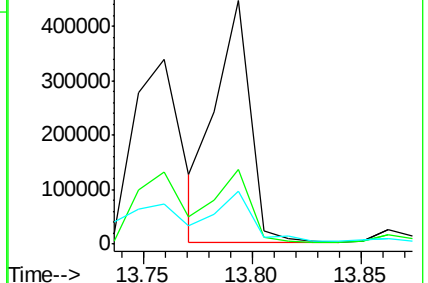
229 21.6 16.6 25.0

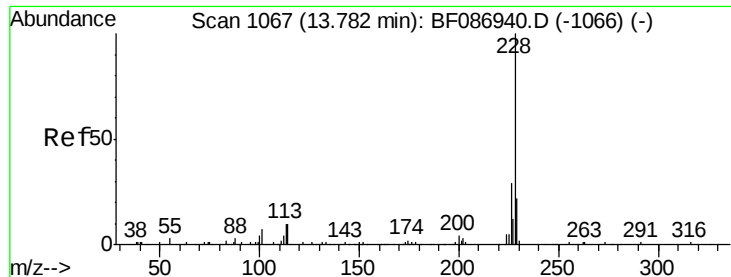


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

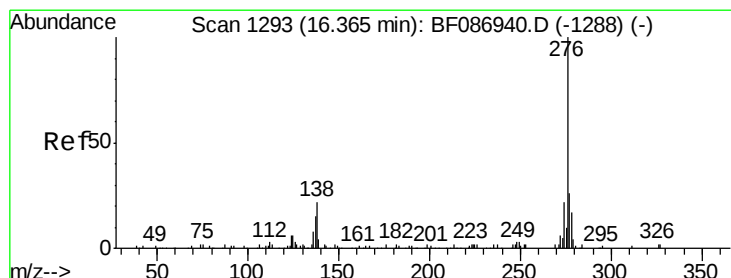
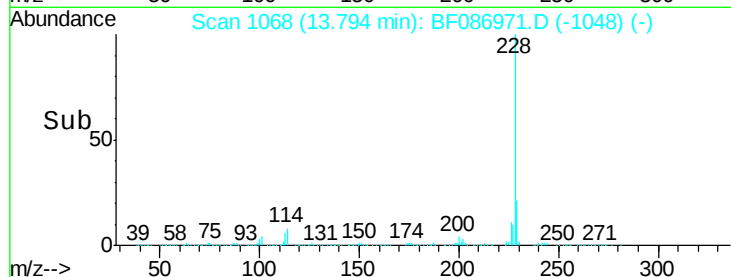
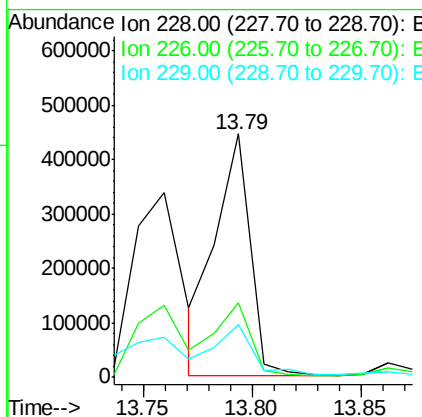
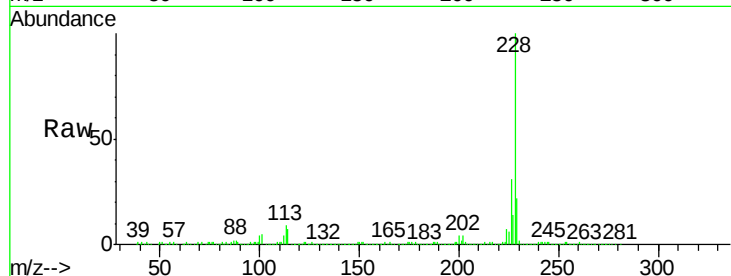




#82  
Chrysene  
Concen: 30.69 ng  
RT: 13.79 min Scan# 1068  
Delta R.T. -0.07 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

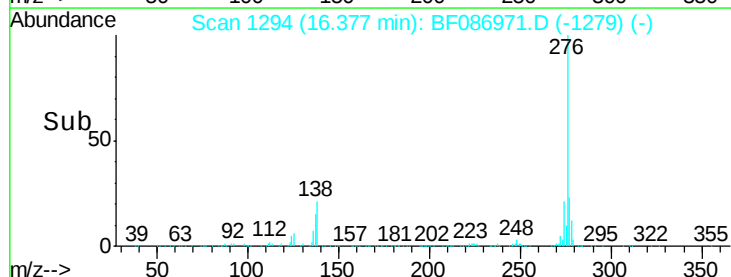
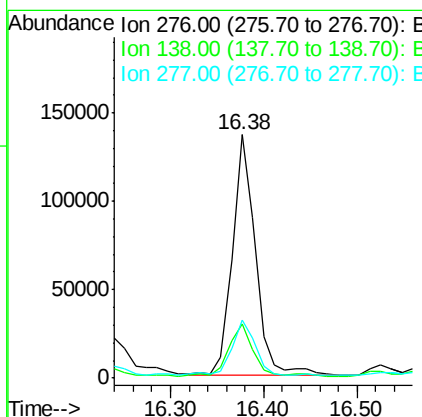
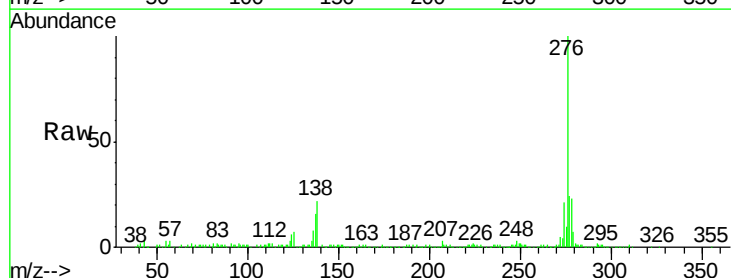
Instrument :  
BNA\_F  
ClientSampleId :

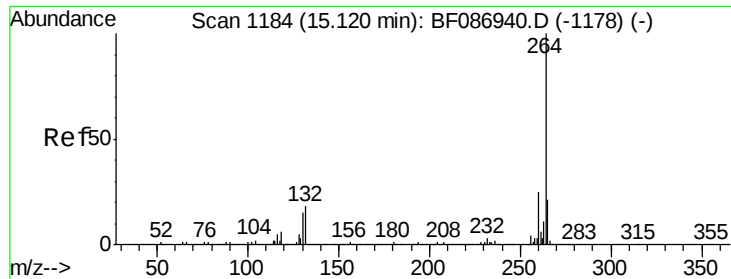
Tot Ion:228 Resp: 494776  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.4 36.6  
229 21.6 15.8 23.8



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 17.44 ng  
RT: 16.38 min Scan# 1294  
Delta R.T. -0.12 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Tgt Ion:276 Resp: 233961  
Ion Ratio Lower Upper  
276 100  
138 22.9 25.6 38.4#  
277 25.3 20.5 30.7

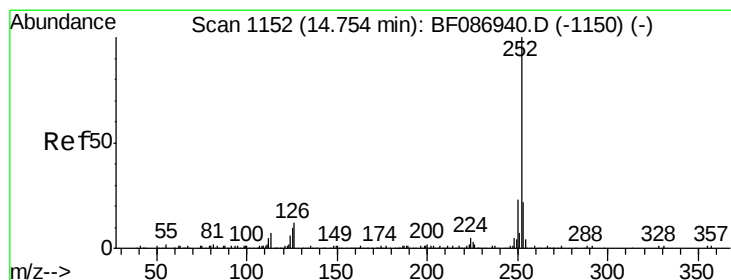
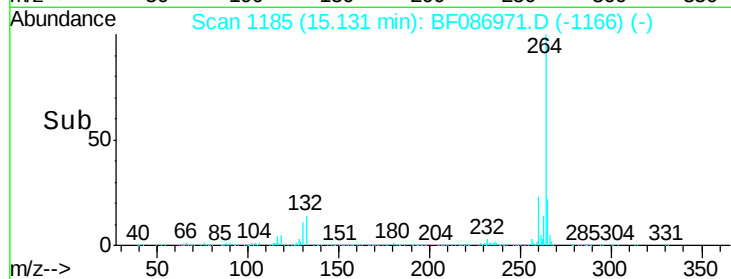
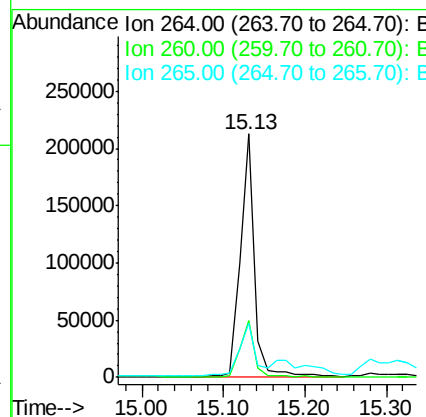
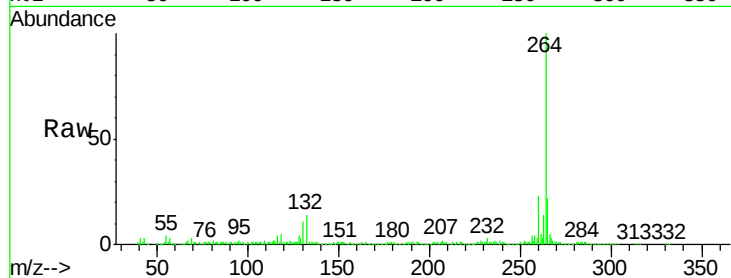




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.13 min Scan# 1185  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

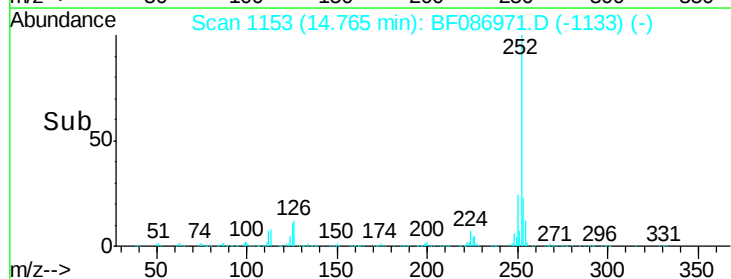
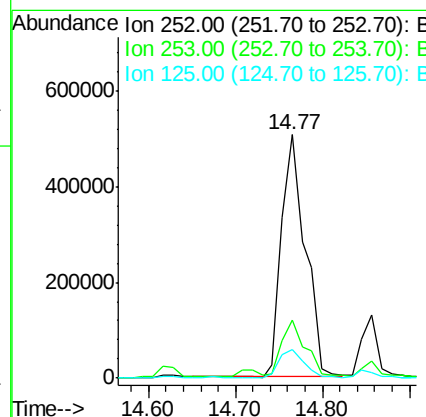
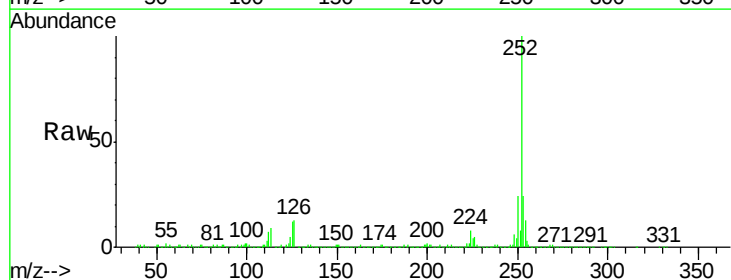
Instrument :  
BNA\_F  
ClientSampleId :

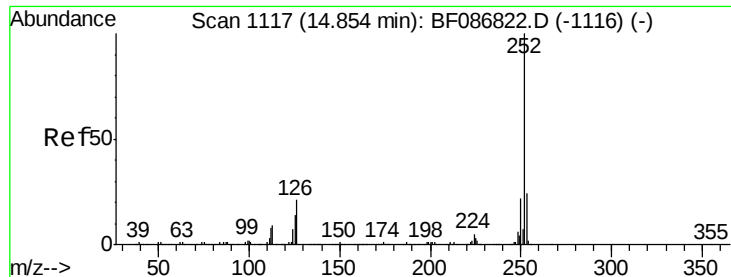
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.5  | 29.3  |
| 265     | 22.2  | 17.3  | 25.9  |



#87  
Benzo(b)fluoranthene  
Concen: 58.60 ng  
RT: 14.77 min Scan# 1153  
Delta R.T. -0.07 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.8  | 26.6  |
| 125     | 11.7  | 11.4  | 17.0  |

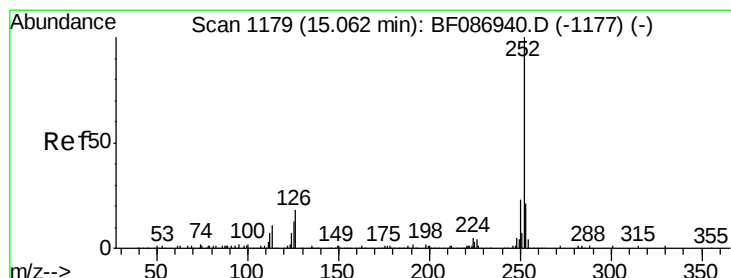
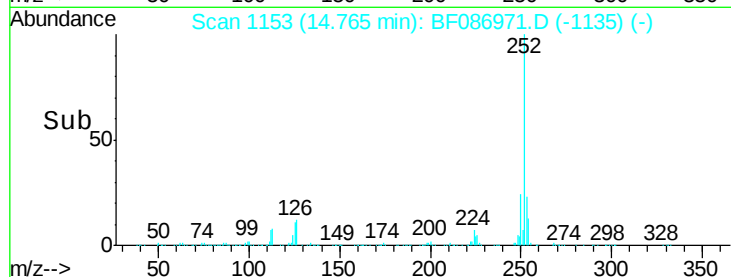
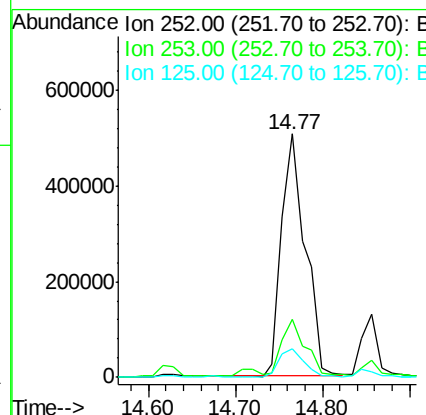
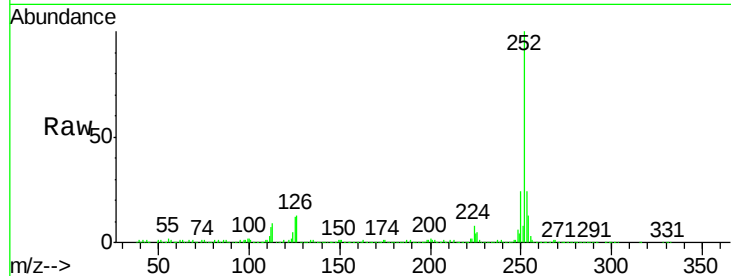




#88  
Benzo(k)fluoranthene  
Concen: 71.57 ng  
RT: 14.77 min Scan# 1153  
Delta R.T. -0.09 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

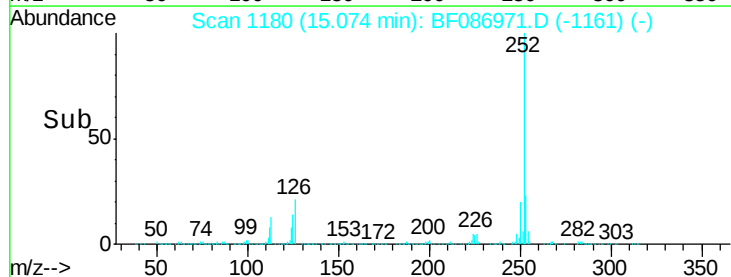
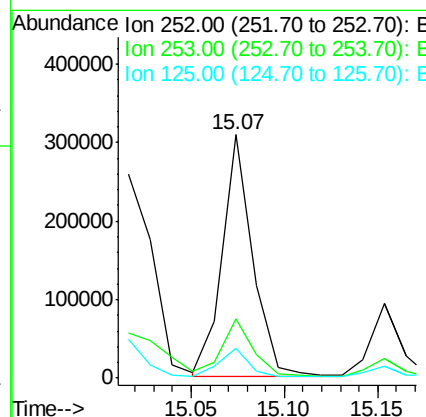
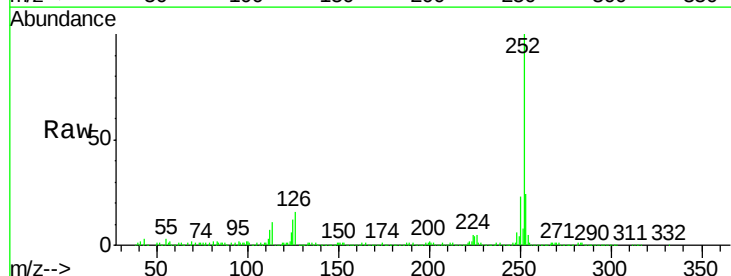
Instrument :  
BNA\_F  
ClientSampleId :

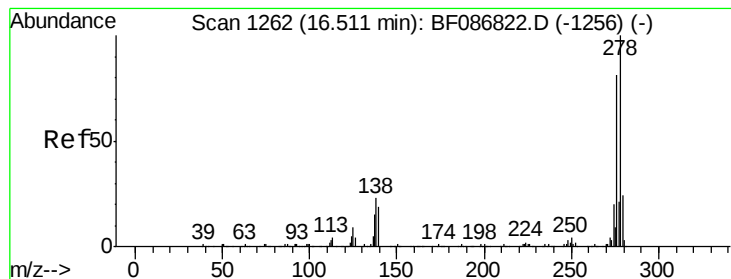
Tot Ion:252 Resp: 968151  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.8 26.6  
125 11.7 9.1 13.7



#89  
Benzo(a)pyrene  
Concen: 24.55 ng  
RT: 15.07 min Scan# 1180  
Delta R.T. -0.08 min  
Lab File: BF086971.D  
Acq: 13 May 2016 12:58

Tgt Ion:252 Resp: 349902  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.2 25.8  
125 12.0 9.0 13.6





#90

Dibenzo(a,h)anthracene

Concen: 3.60 ng

RT: 16.22 min Scan# 1280

Delta R.T. -0.29 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

Instrument :

BNA\_F

ClientSampleId :

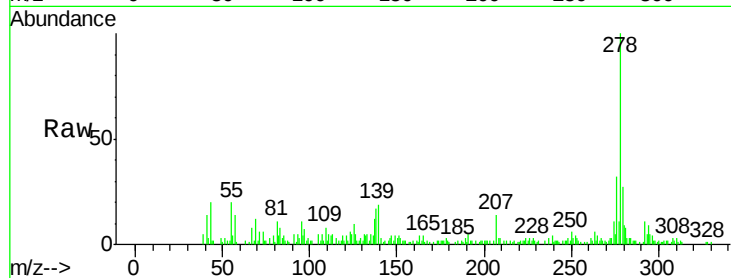
Tot Ion:278 Resp: 43222

Ion Ratio Lower Upper

278 100

139 19.1 16.6 24.8

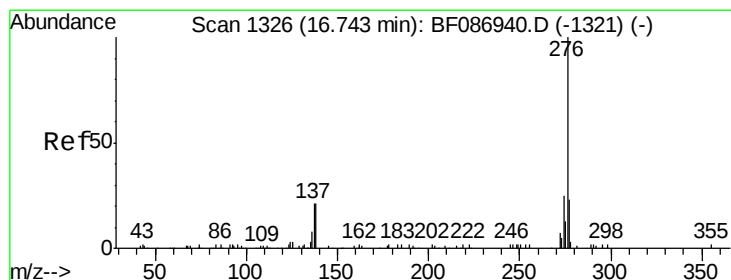
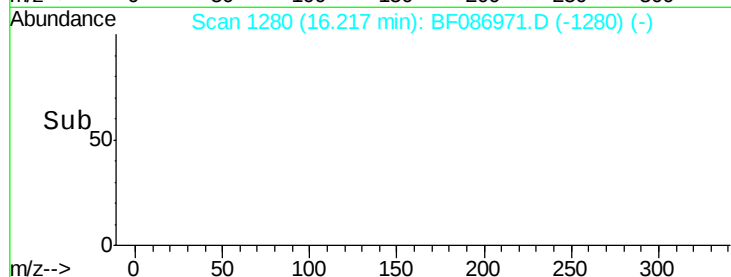
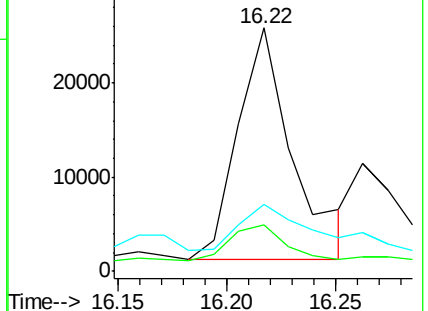
279 27.3 19.6 29.4



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: 16.29 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF086971.D

Acq: 13 May 2016 12:58

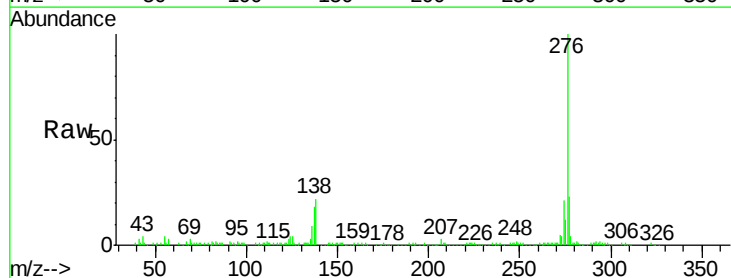
Tgt Ion:276 Resp: 198811

Ion Ratio Lower Upper

276 100

277 23.1 19.6 29.4

138 21.6 23.6 35.4#



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

