

Data File : BF093185.D  
Acq On : 25 Feb 2017 11:40  
Operator : SJ/MA  
Sample : I1972-09  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

Quant Time: Feb 26 23:40:57 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 151391   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.12  | 136  | 564407   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.87  | 164  | 211671   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 323386   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.01 | 240  | 316227   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.45 | 264  | 277090   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.42  | 112 | 759701 | 86.09 | ng | -0.02 |
| 7) Phenol-d6                | 6.48  | 99  | 922888 | 81.28 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 603016 | 59.50 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330 | 135299 | 88.38 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.20  | 172 | 906589 | 77.59 | ng | -0.02 |
| 78) Terphenyl-d14           | 12.94 | 244 | 612613 | 45.52 | ng | -0.02 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 10) Phenol                     | 6.49  | 94  | 54554   | 4.11   | ng | 84   |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 83337   | 11.53  | ng | # 81 |
| 25) Isophorone                 | 7.40  | 82  | 516150  | 27.33  | ng | # 65 |
| 31) Naphthalene                | 8.14  | 128 | 137345  | 4.80   | ng | 97   |
| 32) Benzoic acid               | 8.09  | 122 | 568     | 7.26   | ng | 86   |
| 37) 2-Methylnaphthalene        | 8.83  | 142 | 76191   | 4.15   | ng | 97   |
| 48) Acenaphthylene             | 9.73  | 152 | 243218  | 11.74  | ng | 99   |
| 49) Dimethylphthalate          | 9.60  | 163 | 116900  | 8.20   | ng | 100  |
| 51) Acenaphthene               | 9.90  | 154 | 33820   | 2.73   | ng | 97   |
| 53) 2,4-Dinitrophenol          | 10.16 | 184 | 224     | 4.87   | ng | # 14 |
| 54) Dibenzofuran               | 10.08 | 168 | 56196   | 3.39   | ng | # 94 |
| 57) Fluorene                   | 10.42 | 166 | 57379   | 4.50   | ng | # 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.69 | 198 | 970     | 3.13   | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248 | 10364   | 3.07   | ng | # 1  |
| 70) Phenanthrene               | 11.39 | 178 | 721016  | 38.92  | ng | 98   |
| 71) Anthracene                 | 11.44 | 178 | 251471  | 13.52  | ng | 98   |
| 72) Carbazole                  | 11.60 | 167 | 90634   | 5.10   | ng | 99   |
| 74) Fluoranthene               | 12.58 | 202 | 1178905 | 61.69  | ng | 98   |
| 77) Pyrene                     | 12.81 | 202 | 1080069 | 45.64  | ng | 99   |
| 80) Benzo(a)anthracene         | 14.03 | 228 | 576058  | 29.78  | ng | 94   |
| 82) Chrysene                   | 14.03 | 228 | 576620  | 31.84  | ng | 98   |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 49782   | 3.79   | ng | # 92 |
| 85) Indeno(1,2,3-cd)pyrene     | 16.85 | 276 | 287364  | 20.49  | ng | 98   |
| 87) Benzo(b)fluoranthene       | 15.04 | 252 | 1197144 | 65.64  | ng | 98   |
| 88) Benzo(k)fluoranthene       | 15.14 | 252 | 194694  | 12.36  | ng | 95   |
| 89) Benzo(a)pyrene             | 15.39 | 252 | 543202  | 34.43  | ng | 98   |
| 91) Benzo(g,h,i)perylene       | 17.28 | 276 | 262225  | 20.36  | ng | # 90 |

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

Data File : BF093185.D

Acq On : 25 Feb 2017 11:40

Operator : SJ/MA

Sample : I1972-09

Misc :

ALS Vial : 38 Sample Multiplier: 1

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

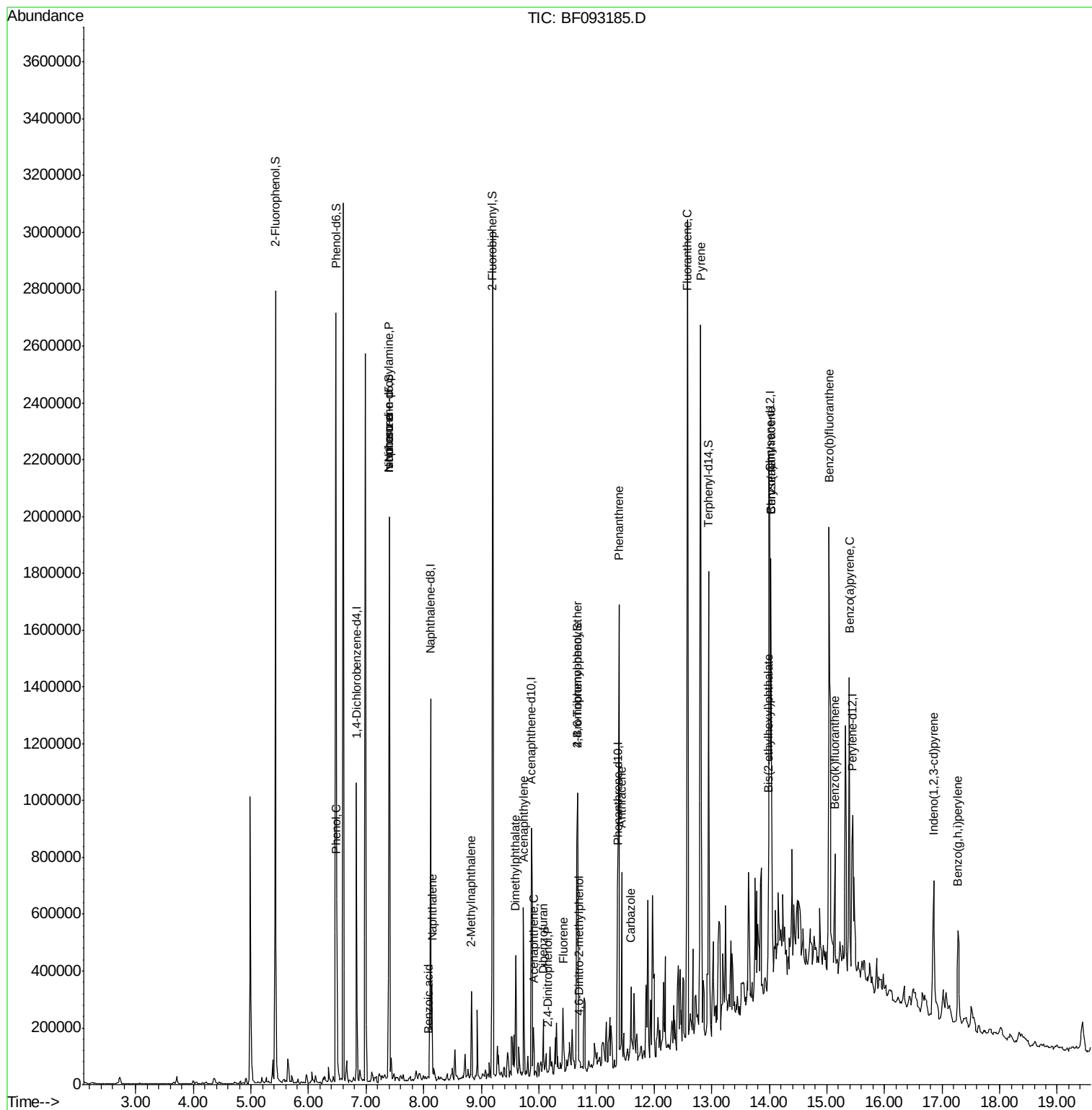
Quant Time: Feb 26 23:40:57 2017

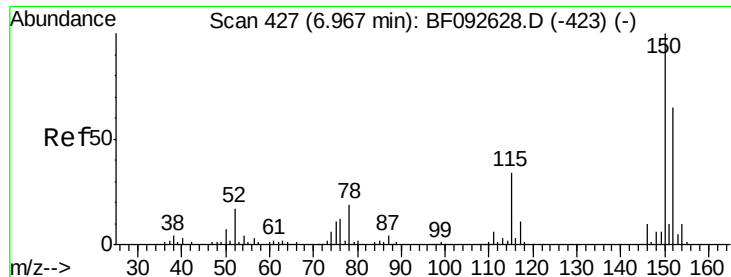
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

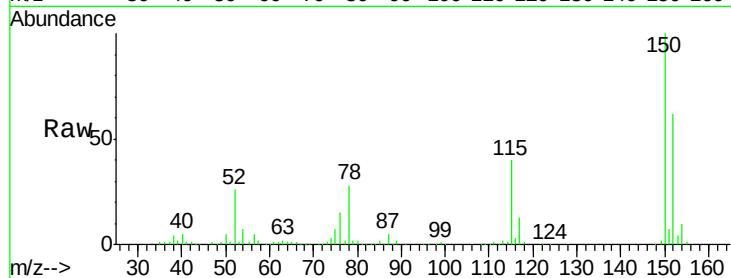
Tgt Ion:152 Resp: 151391

Ion Ratio Lower Upper

152 100

150 161.0 124.9 187.3

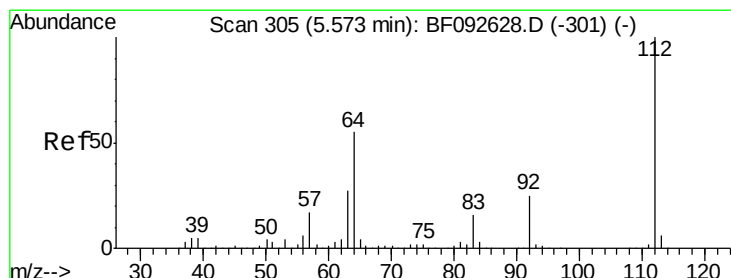
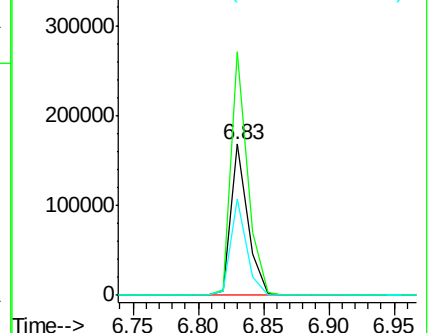
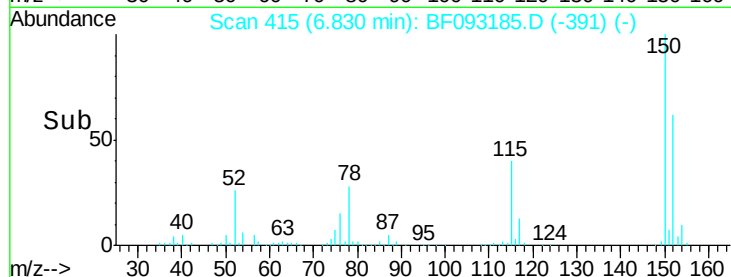
115 63.7 46.0 69.0



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: 86.09 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

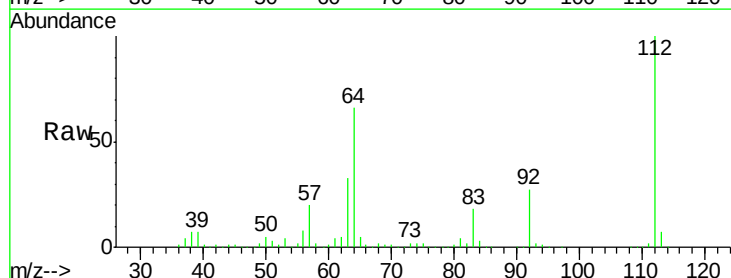
Tgt Ion:112 Resp: 759701

Ion Ratio Lower Upper

112 100

64 65.5 46.1 69.1

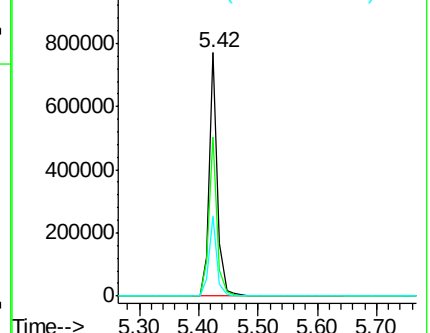
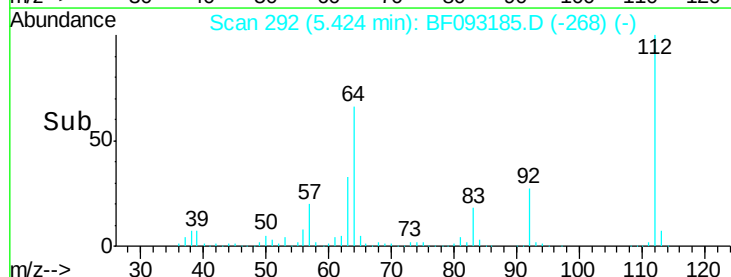
63 32.7 23.8 35.6

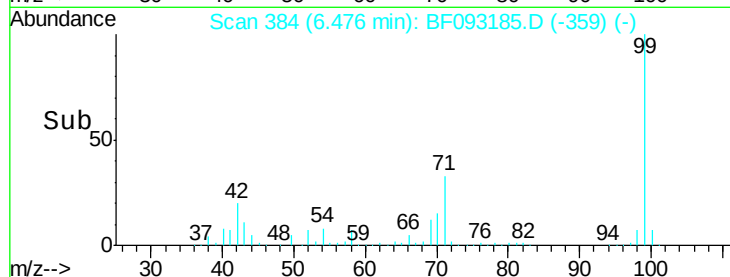
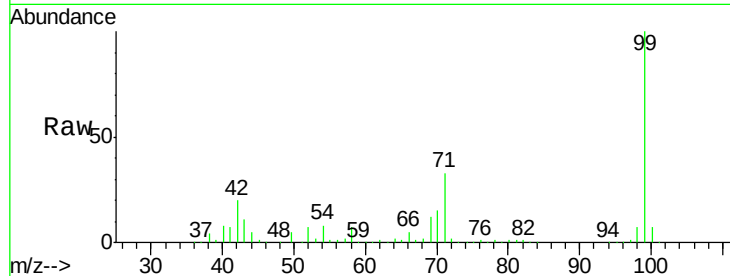
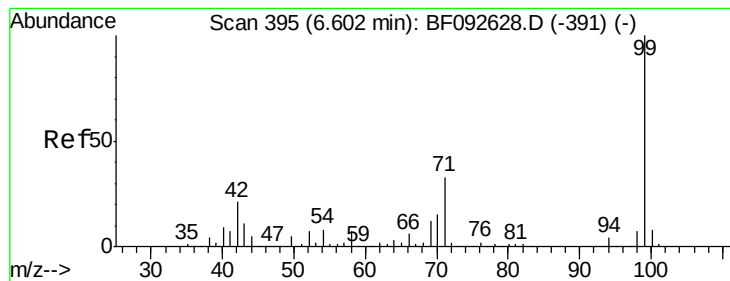


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.28 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

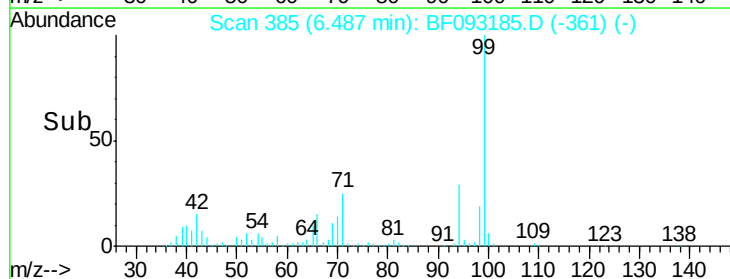
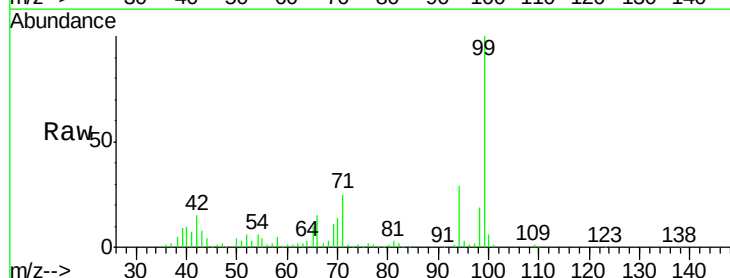
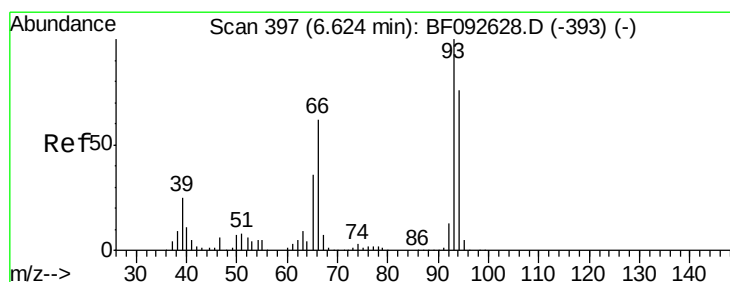
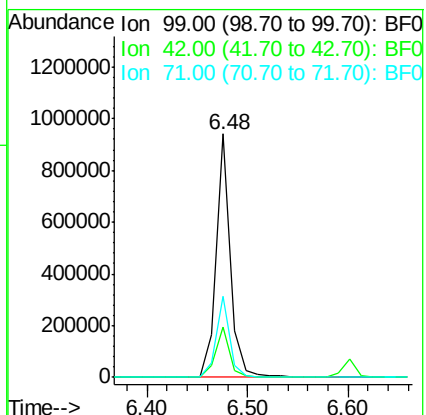
Tgt Ion: 99 Resp: 922888

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

71 33.1 27.5 41.3



#10

Phenol

Concen: 4.11 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

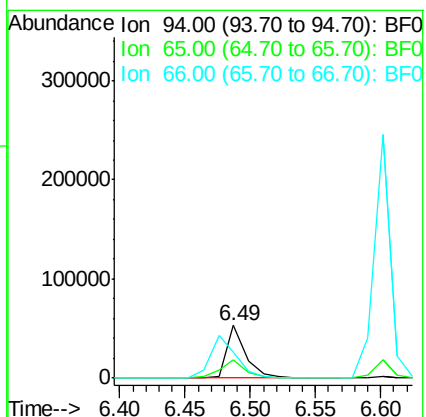
Tgt Ion: 94 Resp: 54554

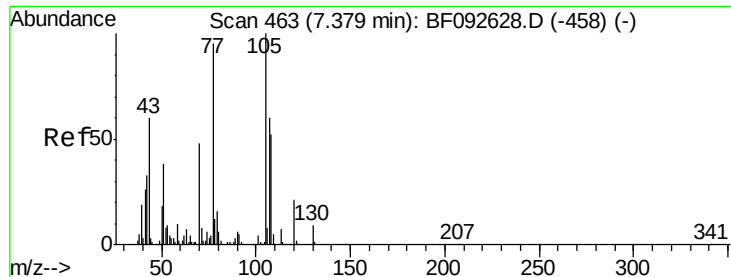
Ion Ratio Lower Upper

94 100

65 33.9 21.4 61.4

66 50.0 44.0 84.0

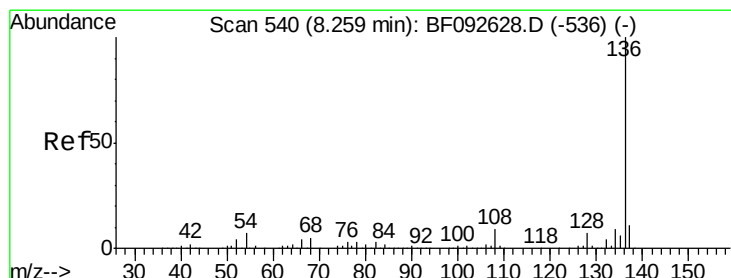
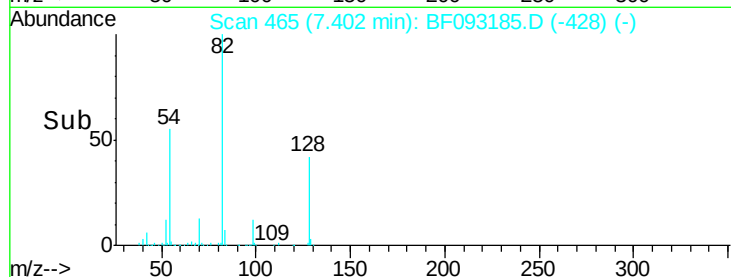
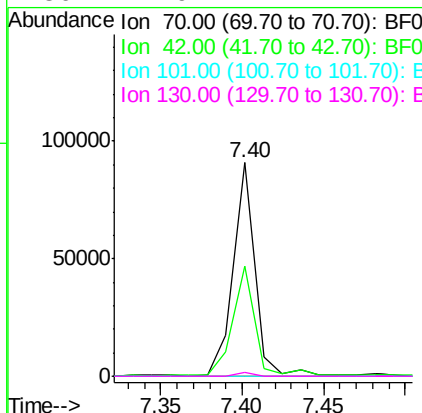
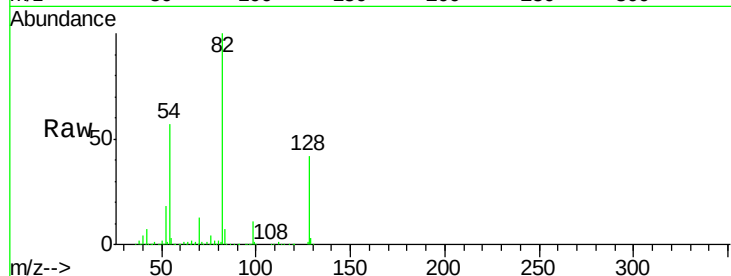




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.53 ng  
RT: 7.40 min Scan# 465  
Delta R.T. 0.13 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

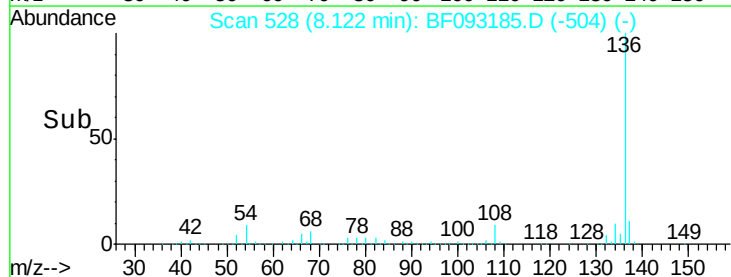
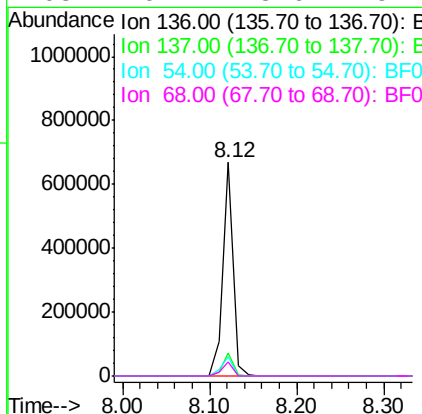
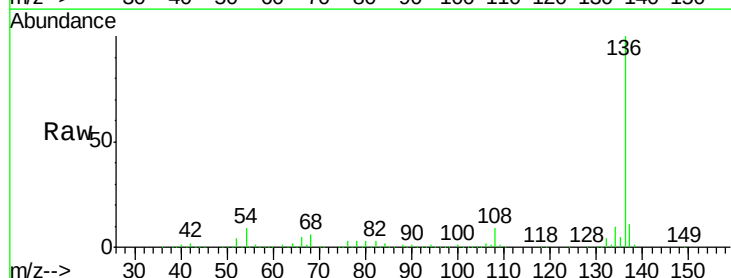
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

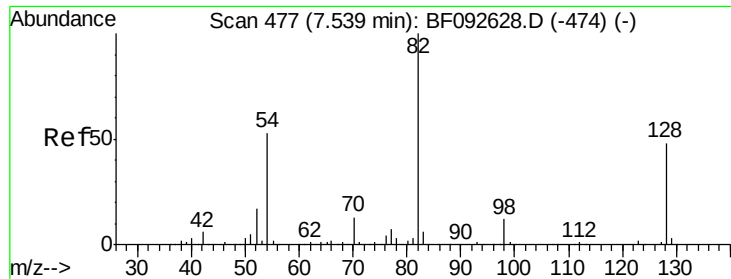
Tgt Ion: 70 Resp: 83337  
Ion Ratio Lower Upper  
70 100  
42 51.7 49.4 74.0  
101 0.0 7.4 11.2#  
130 1.9 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 528  
Delta R.T. -0.02 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

Tgt Ion: 136 Resp: 564407  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 9.2 4.5 6.7#  
68 6.4 3.6 5.4#

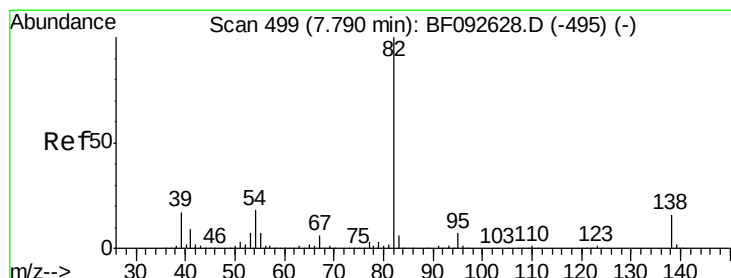
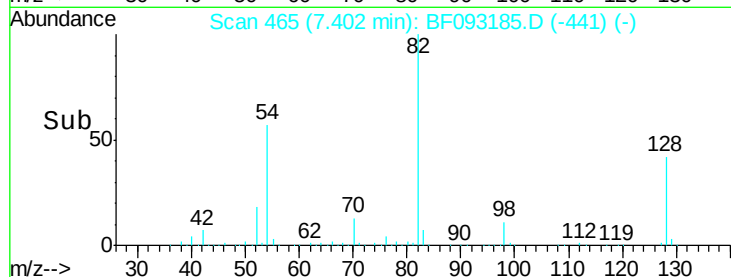
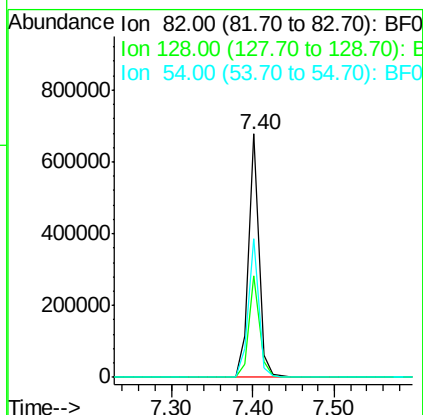
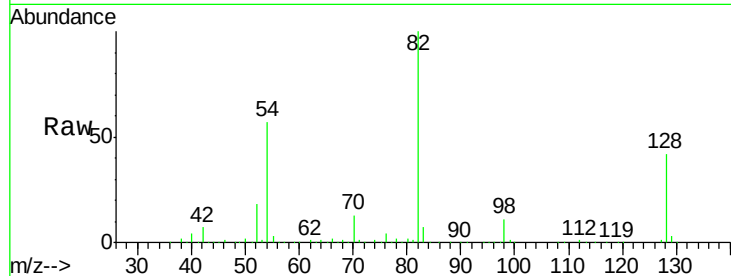




#23  
 Nitrobenzene-d5  
 Concen: 59.50 ng  
 RT: 7.40 min Scan# 465  
 Delta R.T. -0.02 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

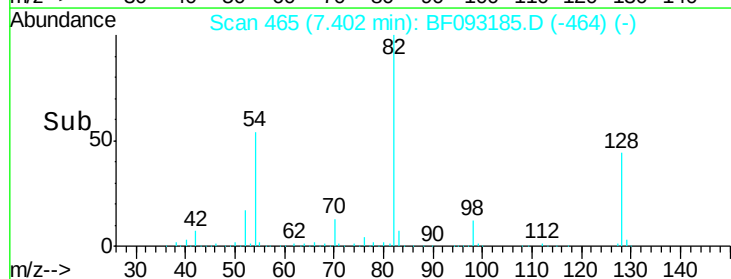
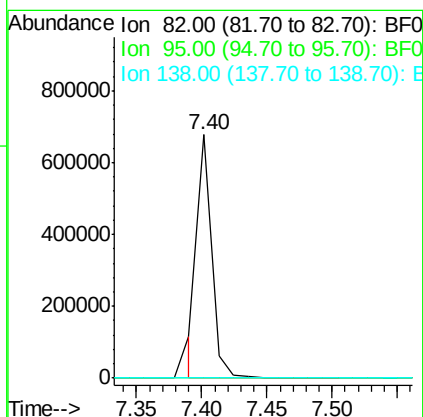
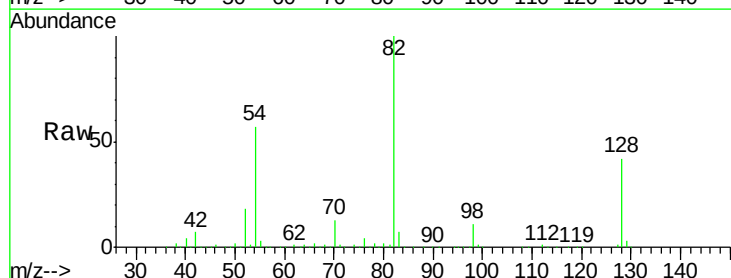
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

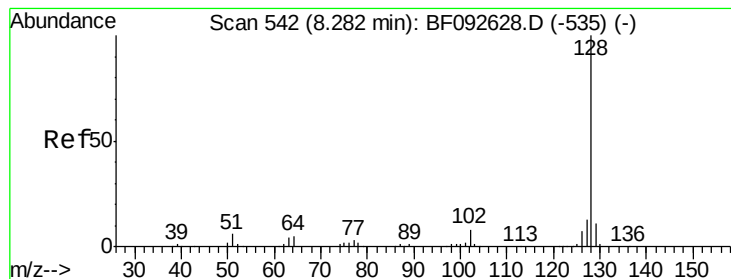
Tgt Ion: 82 Resp: 603016  
 Ion Ratio Lower Upper  
 82 100  
 128 41.5 34.6 52.0  
 54 56.9 39.5 59.3



#25  
 Isophorone  
 Concen: 27.33 ng  
 RT: 7.40 min Scan# 465  
 Delta R.T. -0.29 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Tgt Ion: 82 Resp: 516150  
 Ion Ratio Lower Upper  
 82 100  
 95 0.1 5.6 8.4#  
 138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 4.80 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

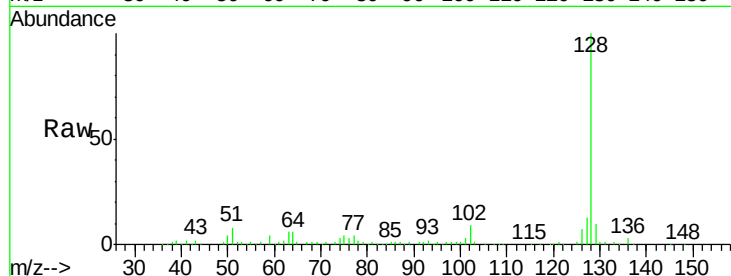
Tgt Ion:128 Resp: 137345

Ion Ratio Lower Upper

128 100

129 10.1 9.5 14.3

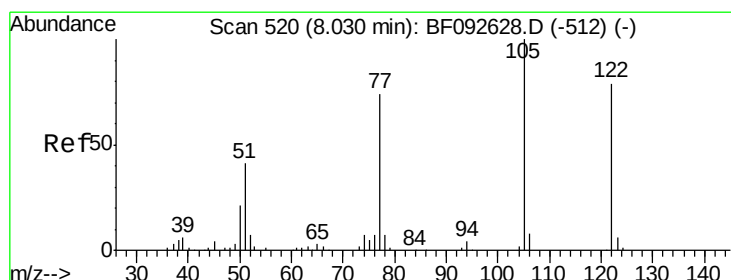
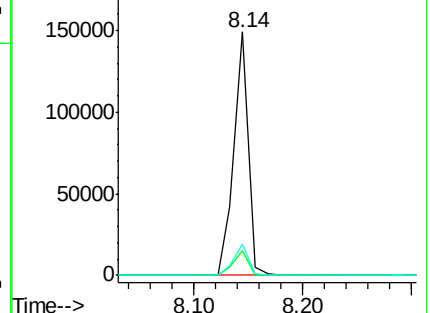
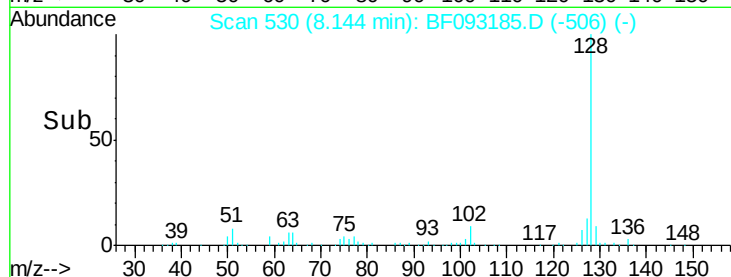
127 13.0 10.8 16.2



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: 7.26 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.16 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

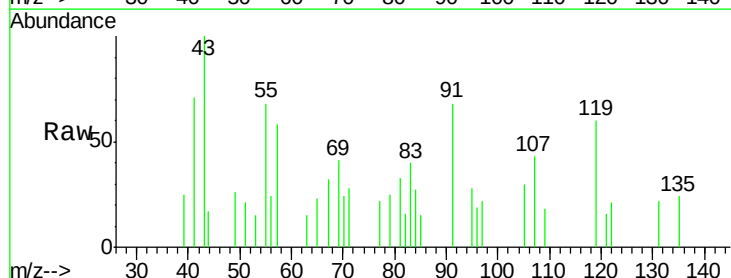
Tgt Ion:122 Resp: 568

Ion Ratio Lower Upper

122 100

105 144.4 107.2 147.2

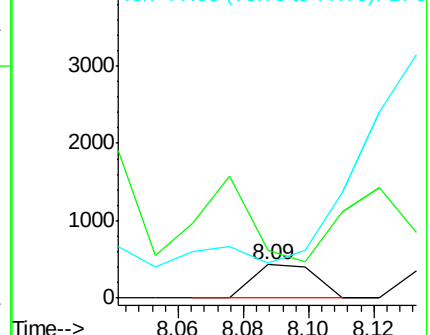
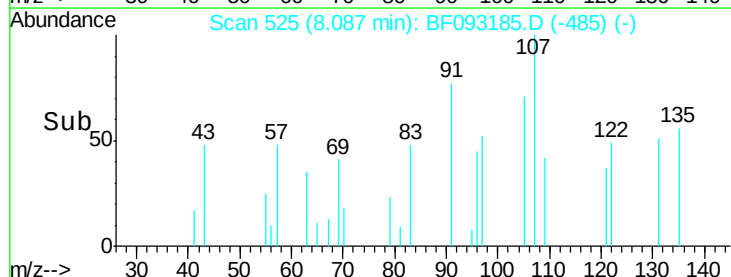
77 106.5 74.5 114.5

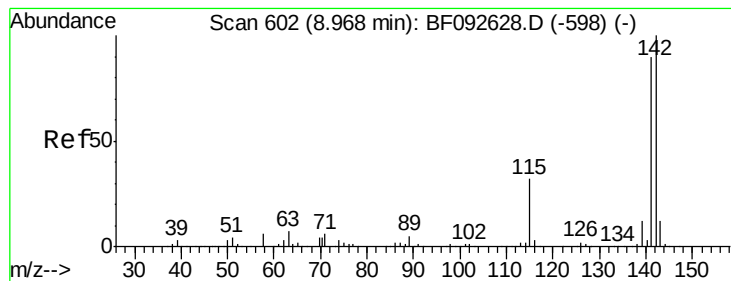


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

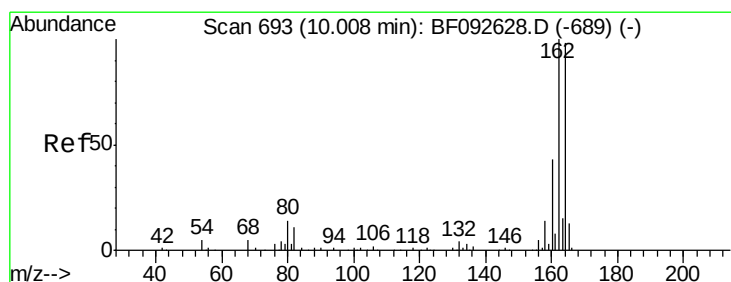
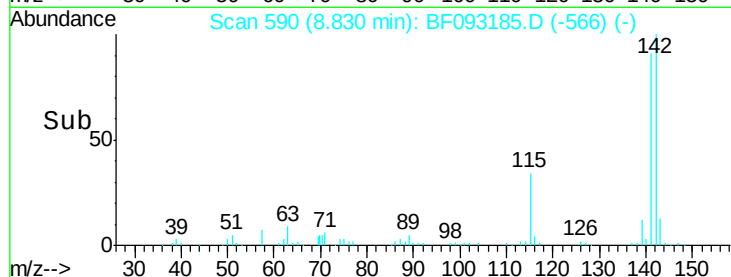
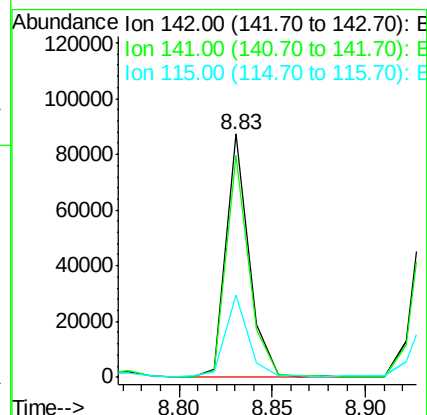
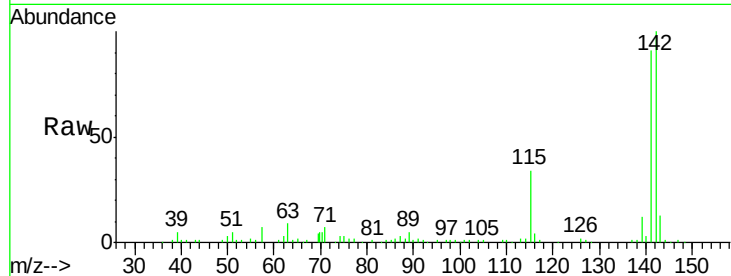




#37  
 2-Methylnaphthalene  
 Concen: 4.15 ng  
 RT: 8.83 min Scan# 590  
 Delta R.T. -0.02 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

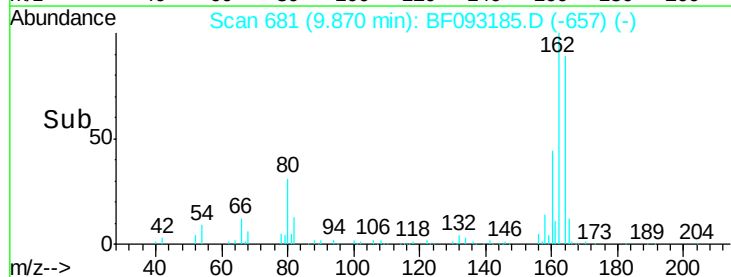
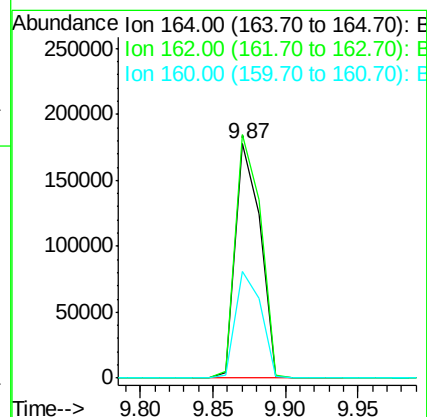
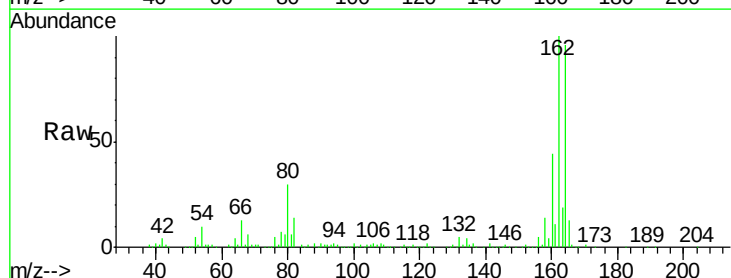
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

Tgt Ion:142 Resp: 76191  
 Ion Ratio Lower Upper  
 142 100  
 141 91.3 71.0 106.6  
 115 34.1 28.3 42.5

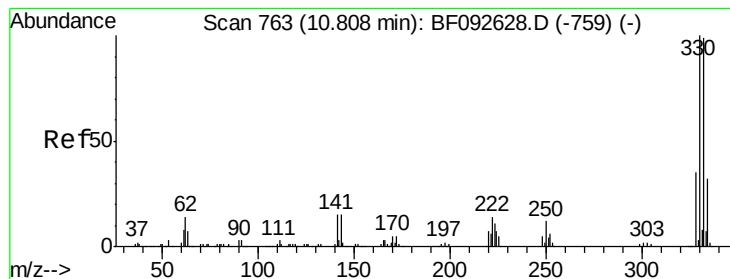


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 681  
 Delta R.T. -0.02 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Tgt Ion:164 Resp: 211671  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 80.2 120.2  
 160 45.5 36.9 55.3



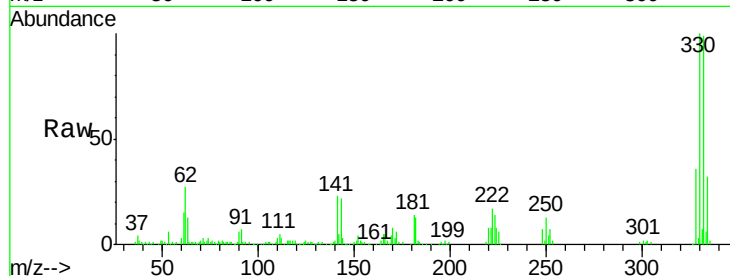




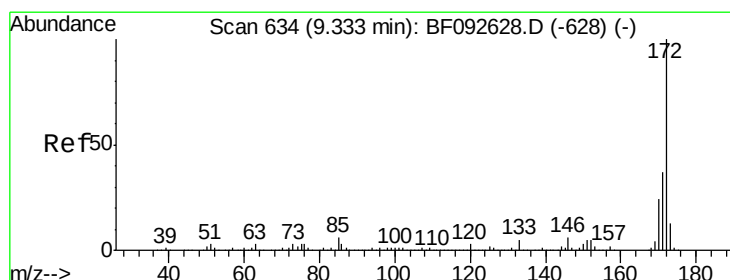
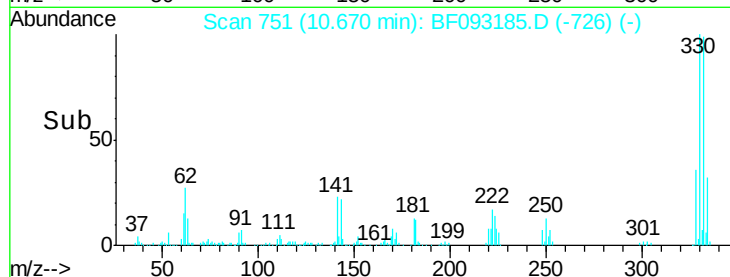
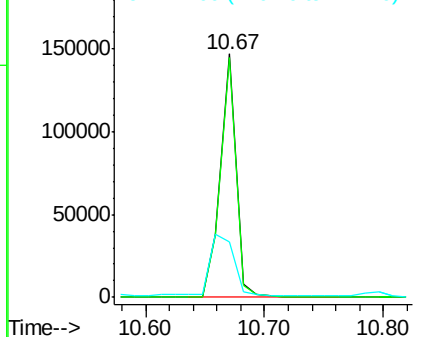
#41  
 2,4,6-Tribromophenol  
 Concen: 88.38 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.4  | 116.2 |
| 141     | 40.8  | 34.1  | 51.1  |

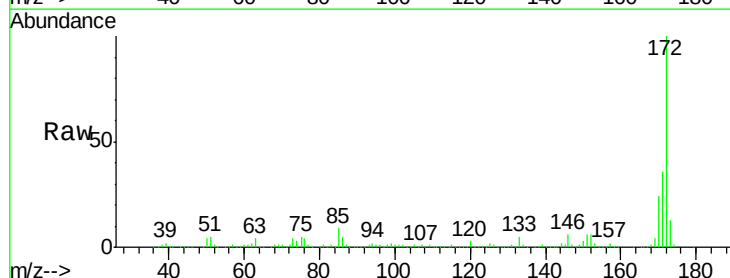


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

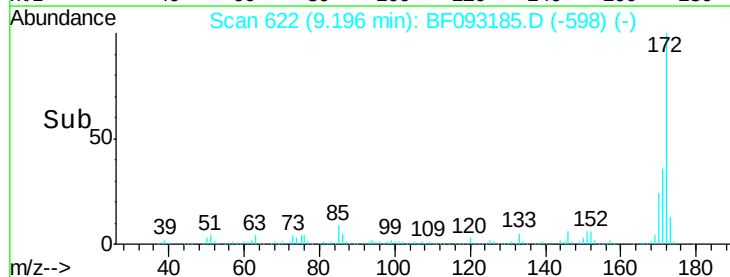
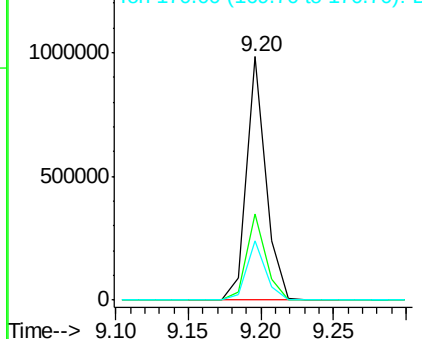


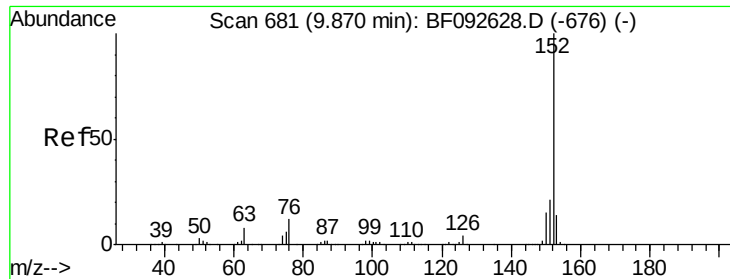
#44  
 2-Fluorobiphenyl  
 Concen: 77.59 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. -0.02 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.4  | 44.0  |
| 170     | 24.2  | 20.2  | 30.4  |



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: 11.74 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

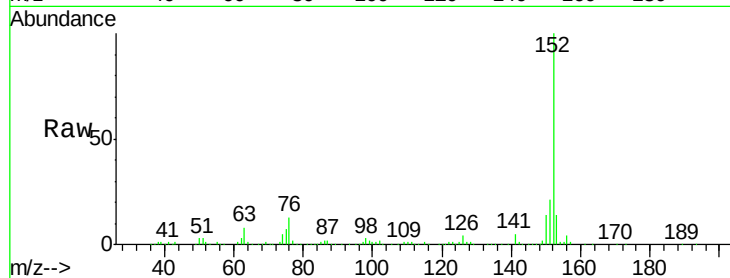
Tgt Ion:152 Resp: 243218

Ion Ratio Lower Upper

152 100

151 20.6 16.9 25.3

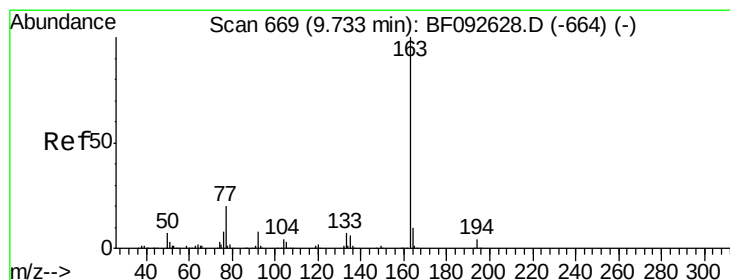
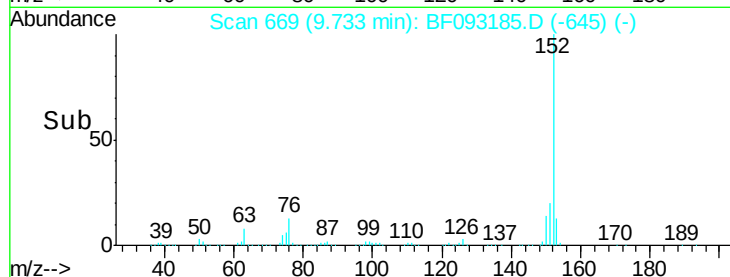
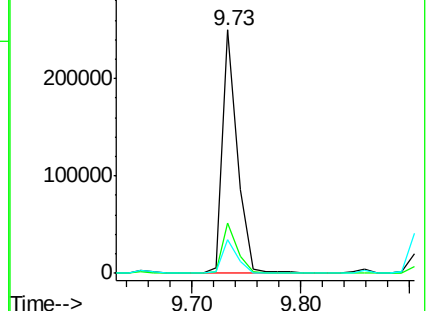
153 13.9 11.4 17.2



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: 8.20 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

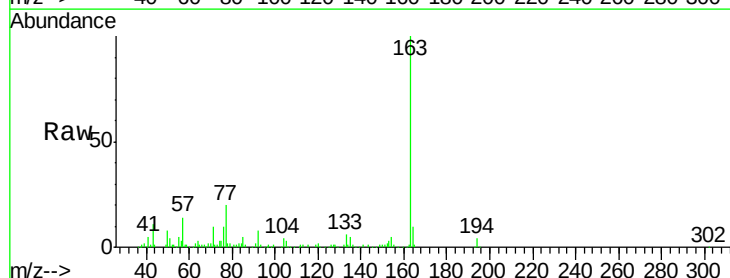
Tgt Ion:163 Resp: 116900

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

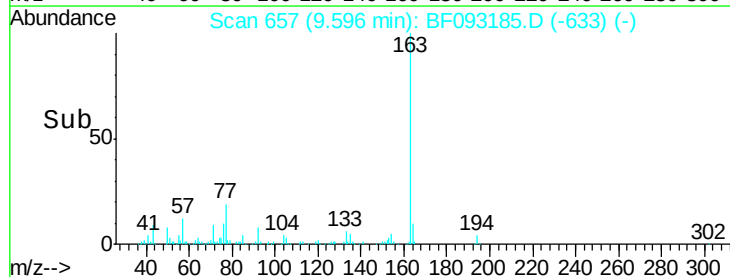
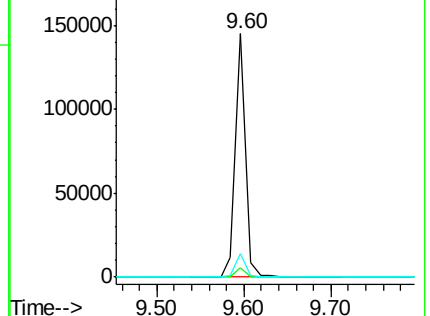
164 9.9 8.0 12.0

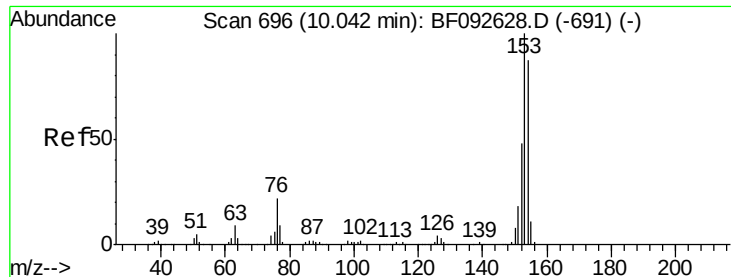


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.73 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

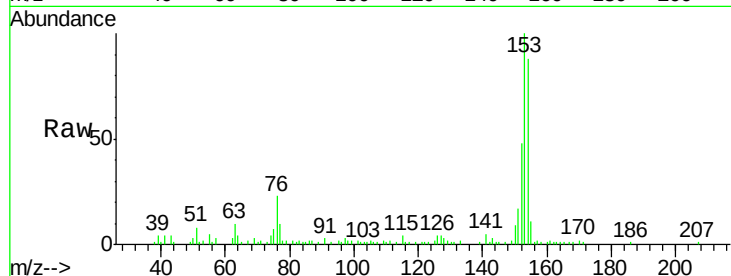
Tgt Ion:154 Resp: 33820

Ion Ratio Lower Upper

154 100

153 113.2 88.6 133.0

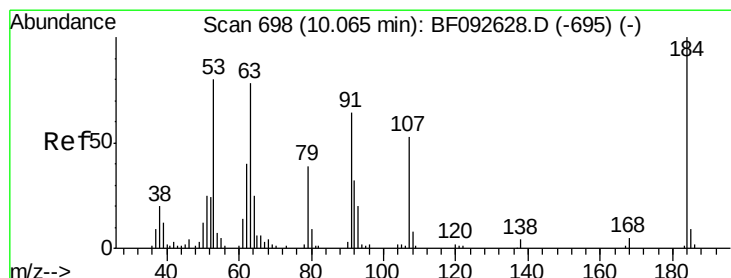
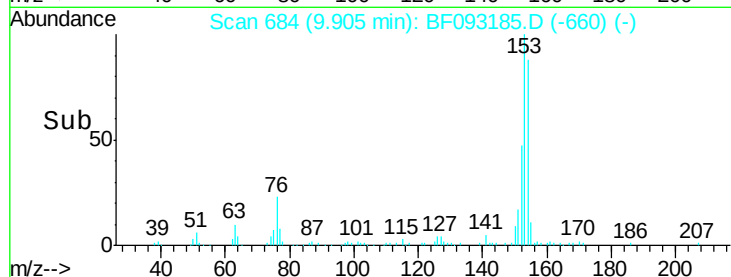
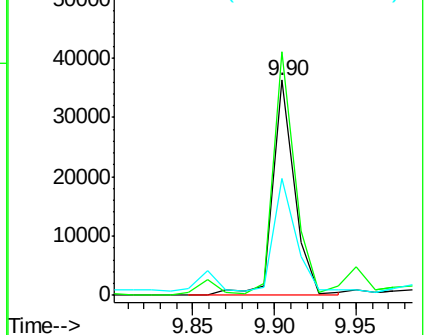
152 54.3 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 4.87 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.19 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

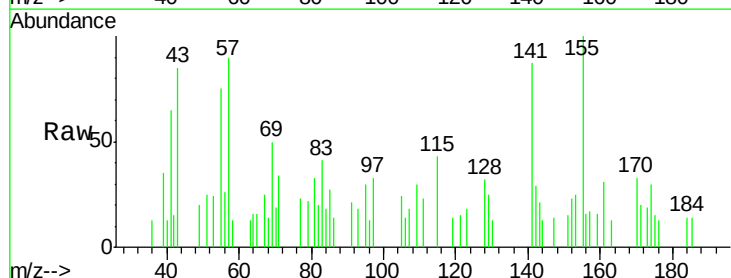
Tgt Ion:184 Resp: 224

Ion Ratio Lower Upper

184 100

63 94.5 28.4 42.6#

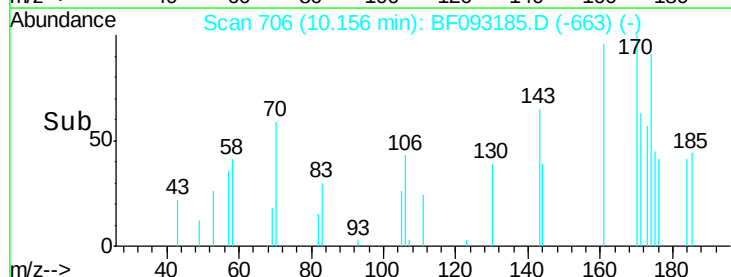
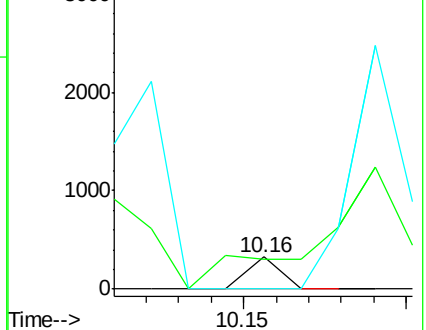
154 0.0 44.3 66.5#

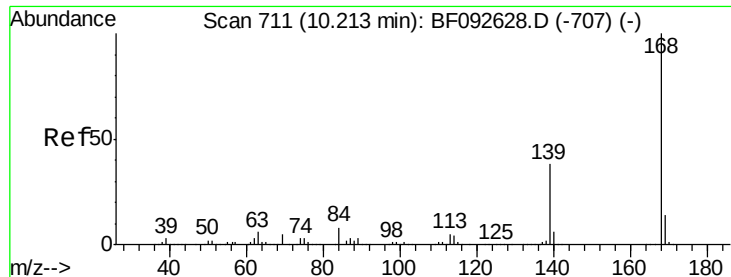


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

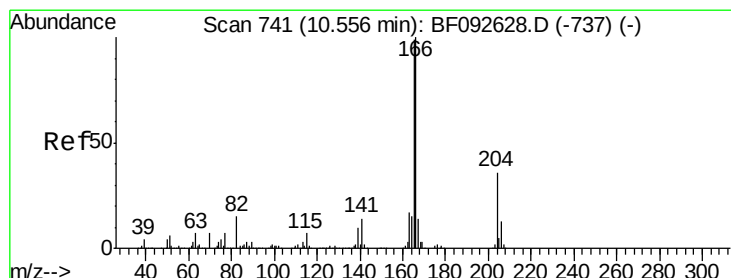
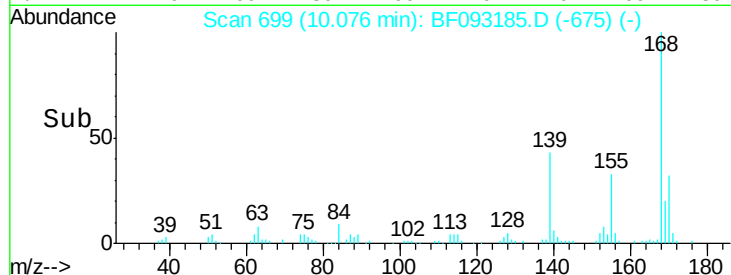
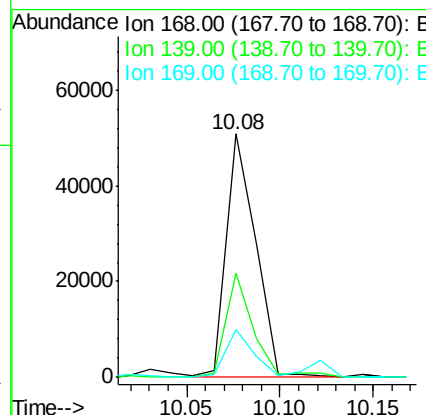
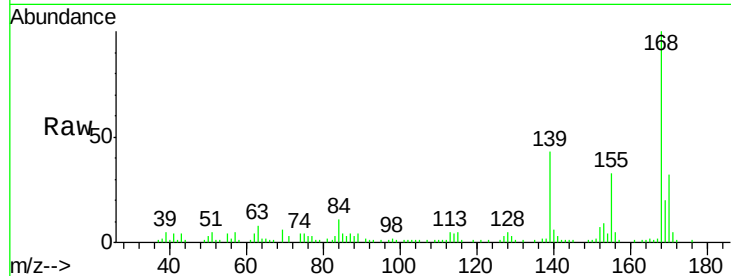




#54  
Dibenzenofuran  
Concen: 3.39 ng  
RT: 10.08 min Scan# 699  
Delta R.T. -0.02 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

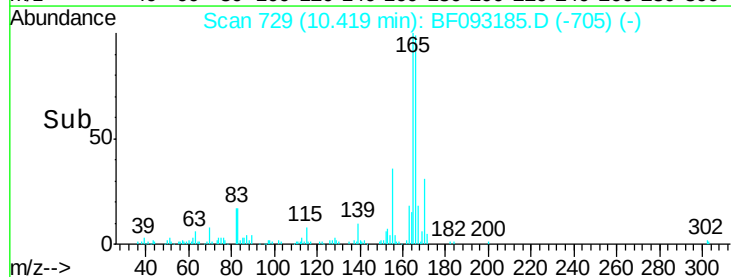
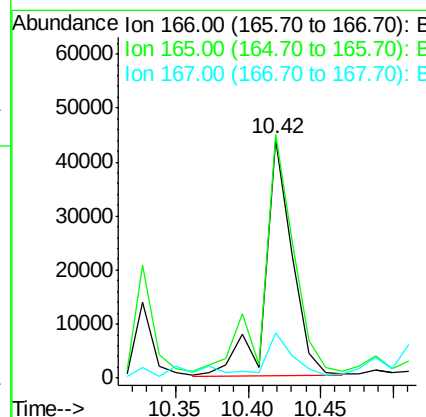
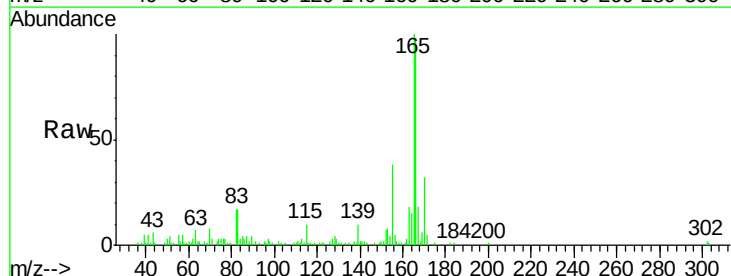
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

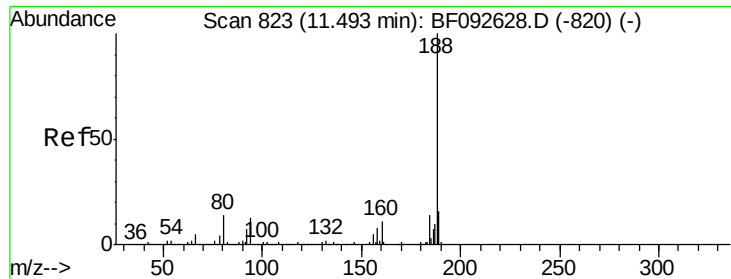
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 43.0  | 32.6  | 49.0  |
| 169     | 19.6  | 11.3  | 16.9# |



#57  
Fluorene  
Concen: 4.50 ng  
RT: 10.42 min Scan# 729  
Delta R.T. -0.02 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.0 | 77.8  | 116.8 |
| 167     | 18.7  | 10.8  | 16.2# |

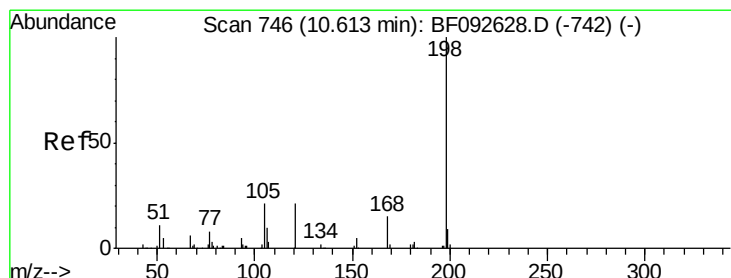
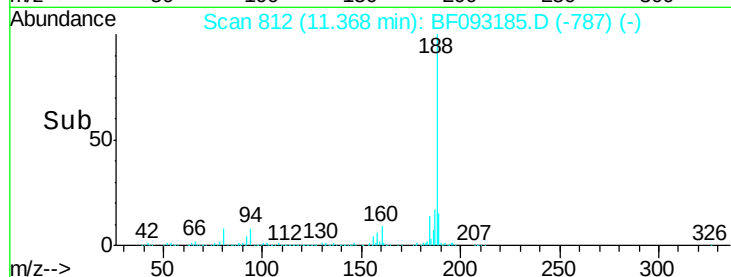
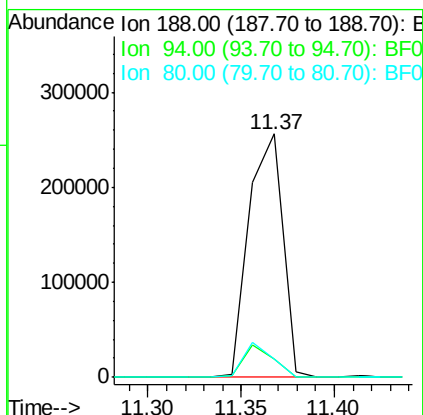
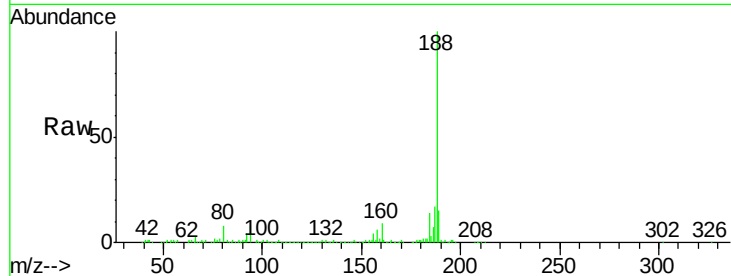




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

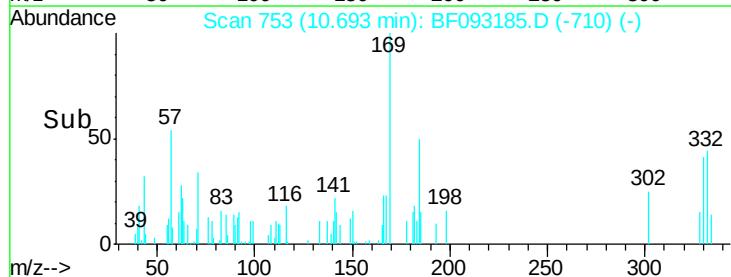
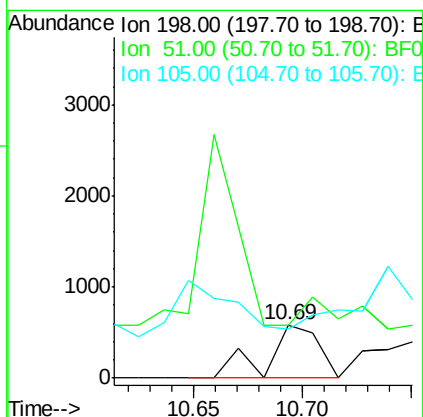
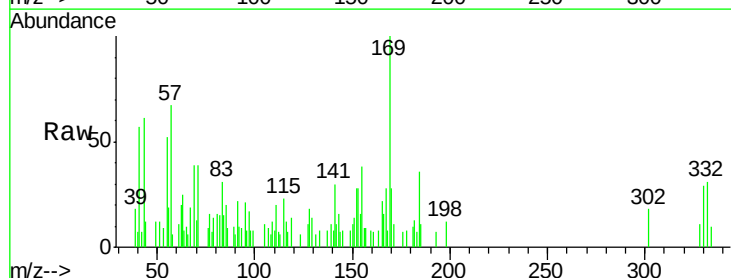
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

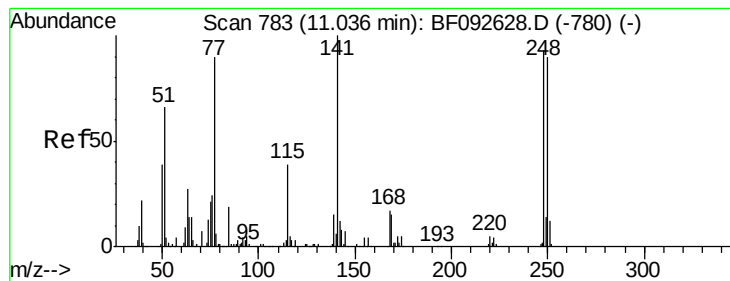
Tgt Ion:188 Resp: 323386  
Ion Ratio Lower Upper  
188 100  
94 7.7 10.0 15.0#  
80 7.6 11.2 16.8#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.13 ng  
RT: 10.69 min Scan# 753  
Delta R.T. 0.19 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

Tgt Ion:198 Resp: 970  
Ion Ratio Lower Upper  
198 100  
51 99.1 6.7 46.7#  
105 90.8 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 3.07 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

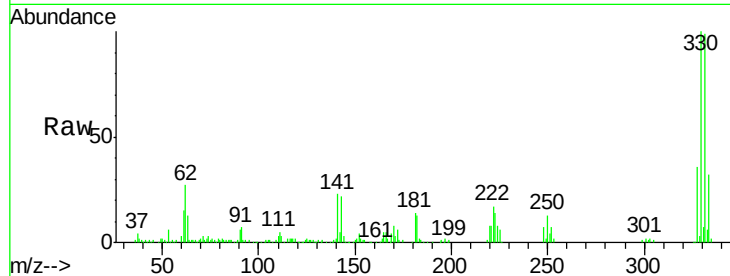
Tgt Ion:248 Resp: 10364

Ion Ratio Lower Upper

248 100

250 197.2 76.9 115.3#

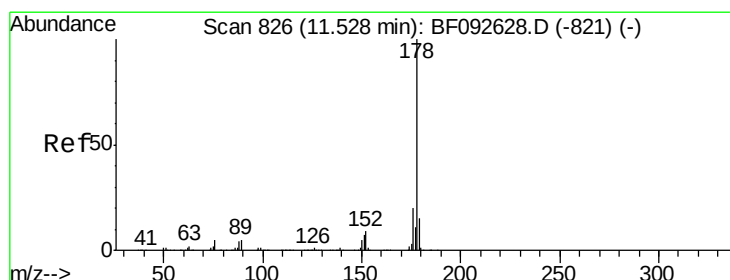
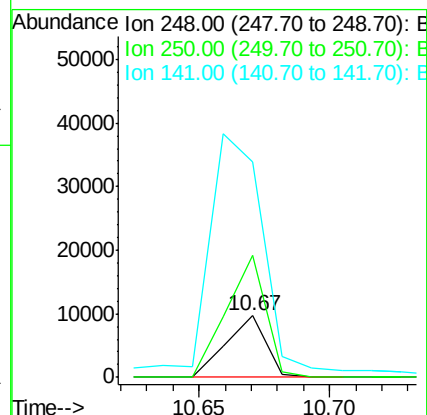
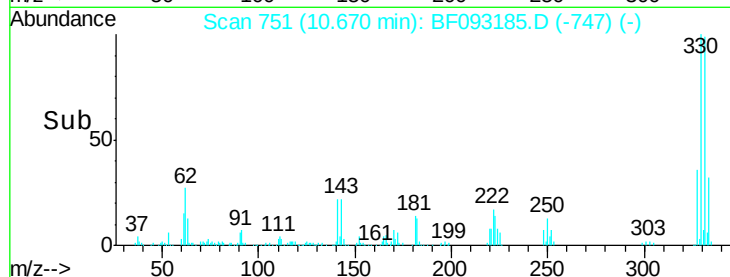
141 348.5 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 38.92 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

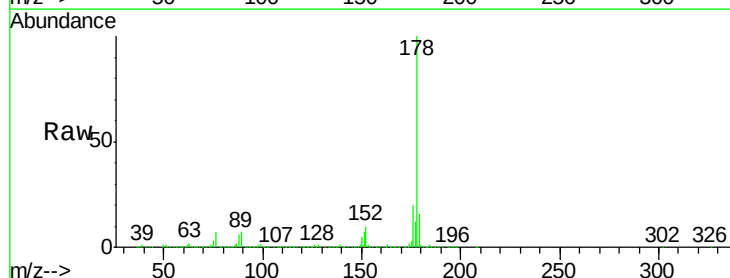
Tgt Ion:178 Resp: 721016

Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

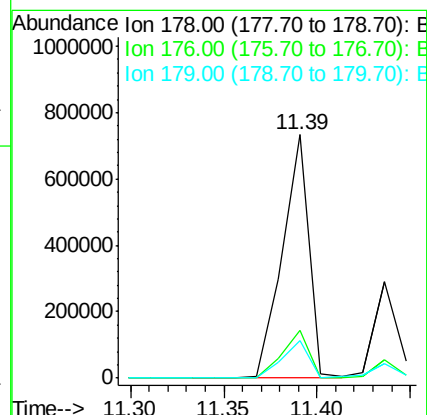
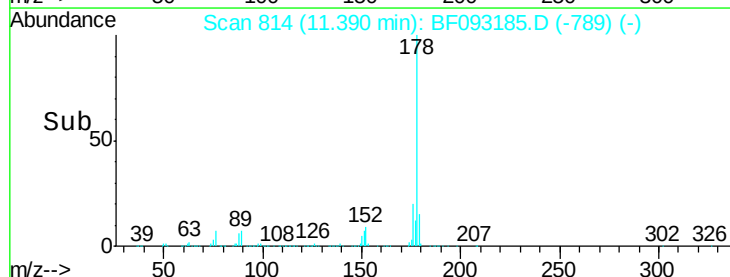
179 15.6 12.8 19.2

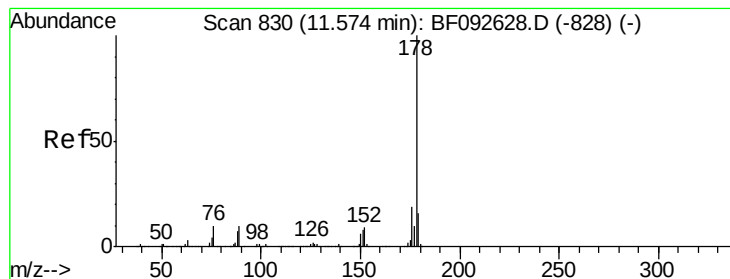


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 13.52 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

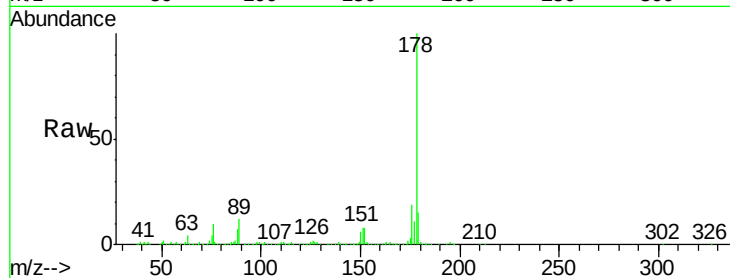
Tgt Ion:178 Resp: 251471

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

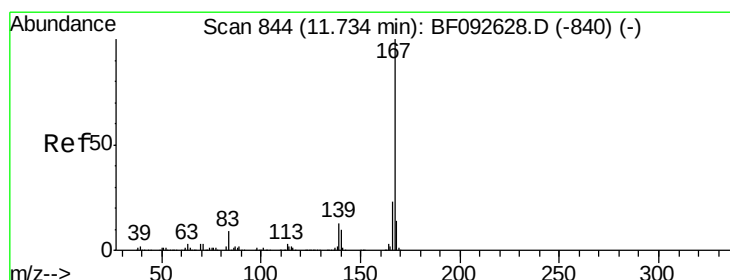
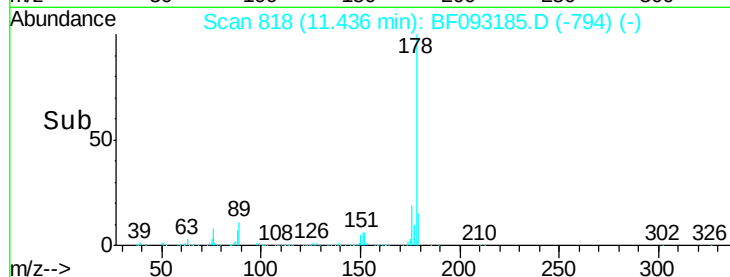
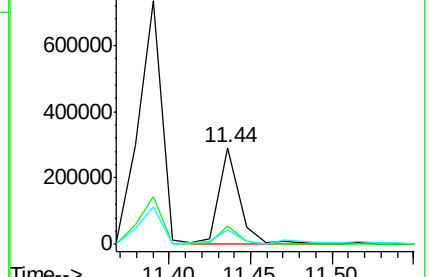
179 15.5 13.2 19.8



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



#72

Carbazole

Concen: 5.10 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

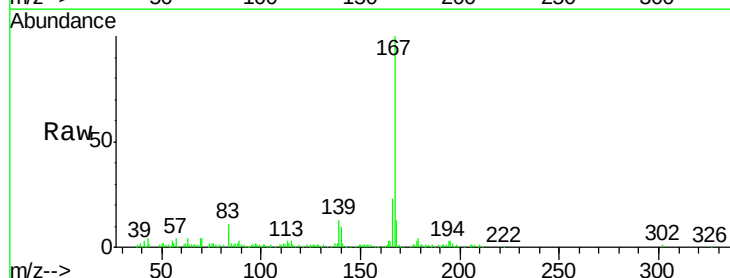
Tgt Ion:167 Resp: 90634

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.2

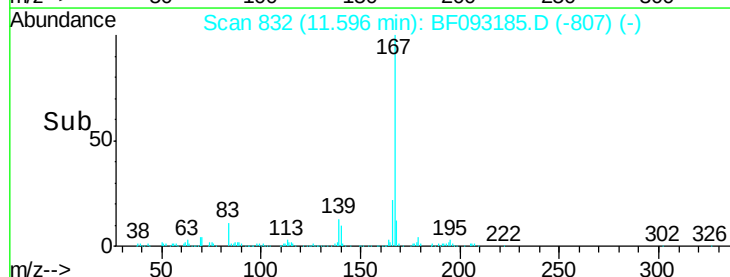
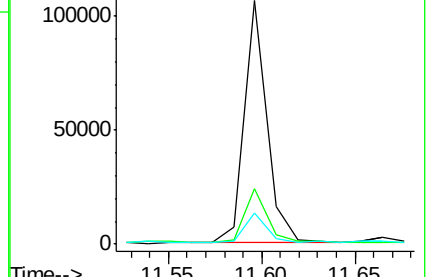
139 12.9 11.4 17.2

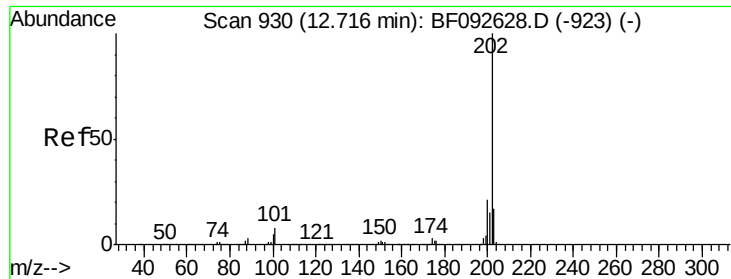


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

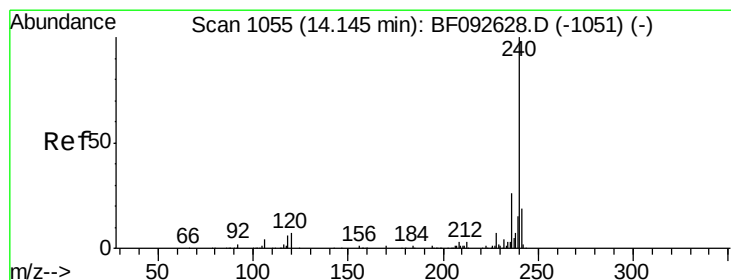
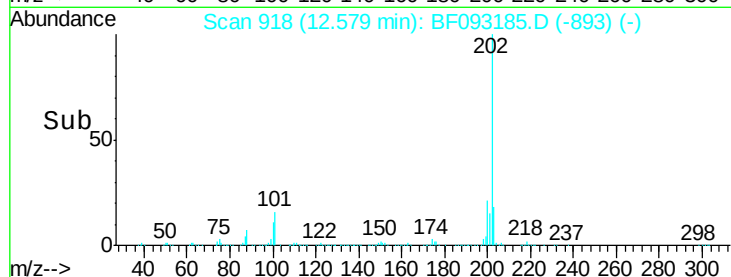
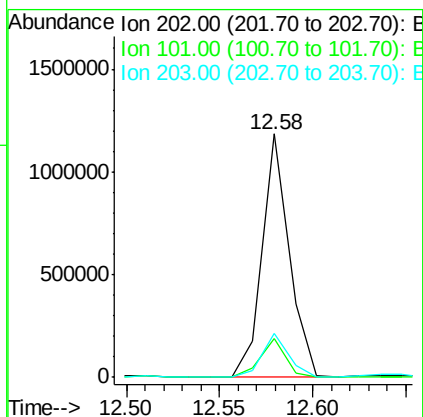
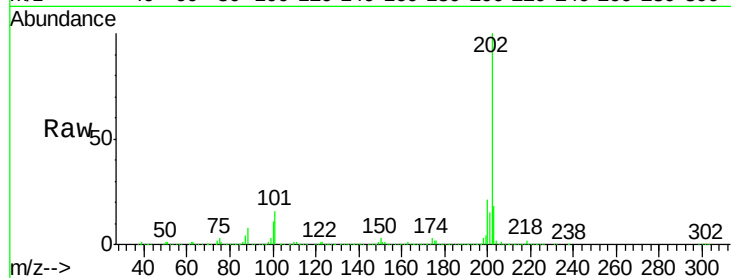




#74  
 Fluoranthene  
 Concen: 61.69 ng  
 RT: 12.58 min Scan# 918  
 Delta R.T. -0.01 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

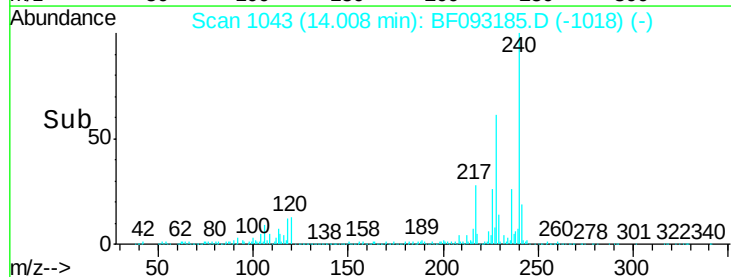
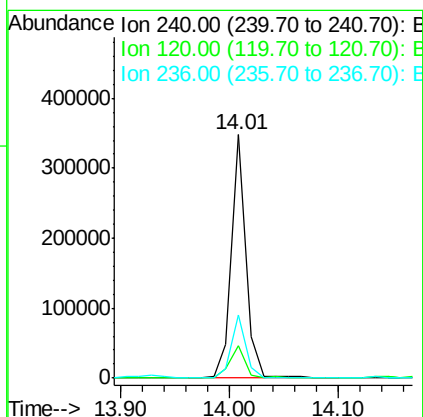
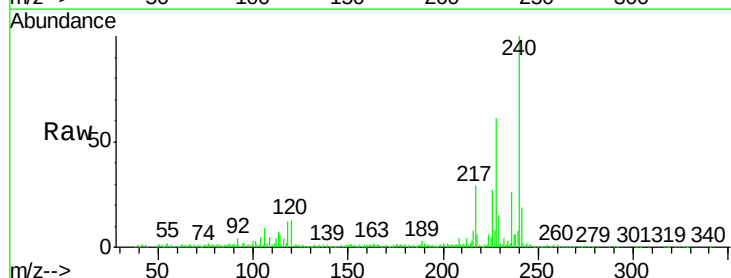
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

Tgt Ion:202 Resp: 1178905  
 Ion Ratio Lower Upper  
 202 100  
 101 15.7 0.0 34.6  
 203 18.2 0.0 38.7

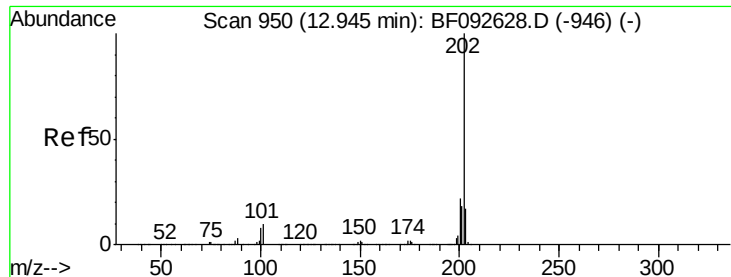


#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.01 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Tgt Ion:240 Resp: 316227  
 Ion Ratio Lower Upper  
 240 100  
 120 13.5 12.9 19.3  
 236 26.1 20.9 31.3



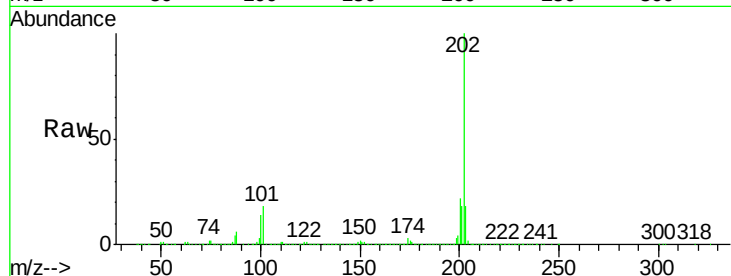




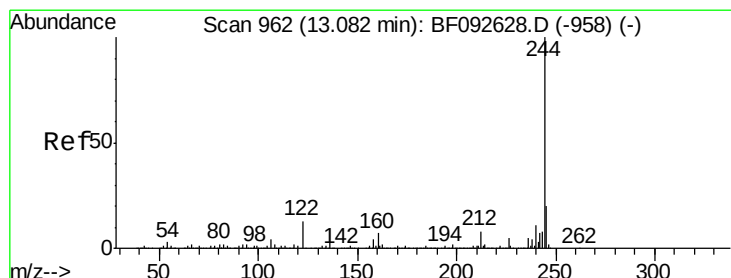
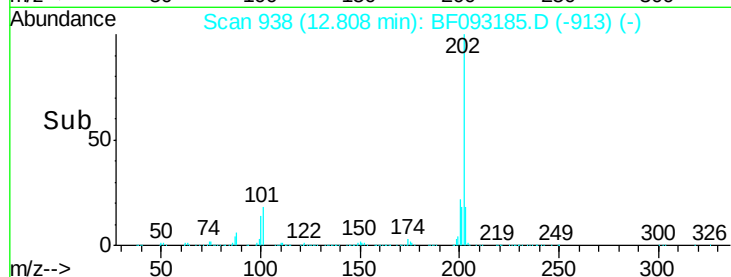
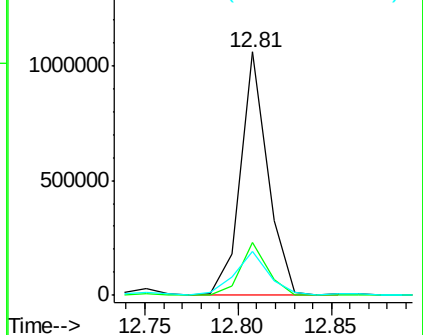
#77  
 Pyrene  
 Concen: 45.64 ng  
 RT: 12.81 min Scan# 938  
 Delta R.T. -0.01 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

Tgt Ion:202 Resp: 1080069  
 Ion Ratio Lower Upper  
 202 100  
 200 21.9 17.7 26.5  
 203 18.1 14.7 22.1

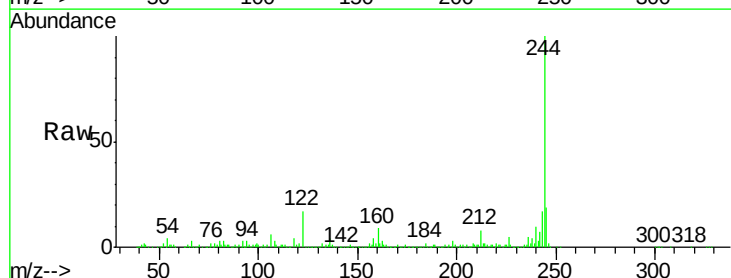


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

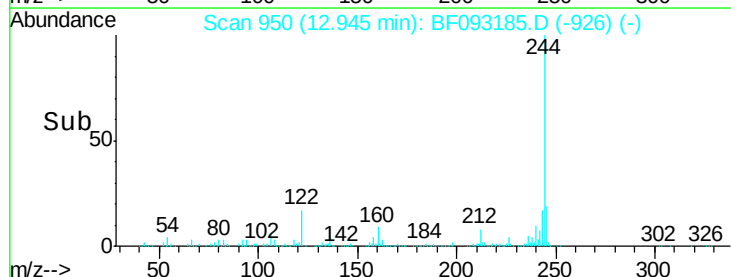
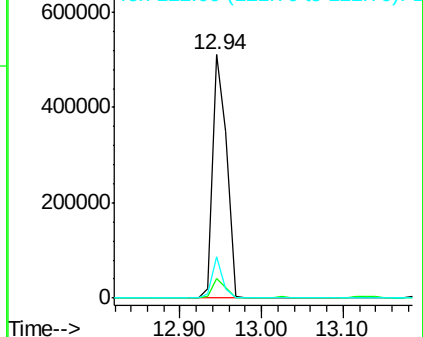


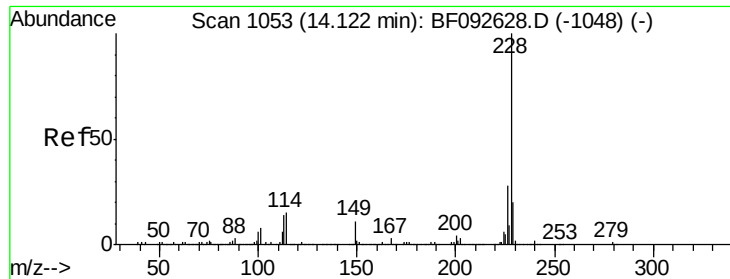
#78  
 Terphenyl-d14  
 Concen: 45.52 ng  
 RT: 12.94 min Scan# 950  
 Delta R.T. -0.02 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Tgt Ion:244 Resp: 612613  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.2 9.2  
 122 16.9 11.4 17.2



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: 29.78 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.02 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

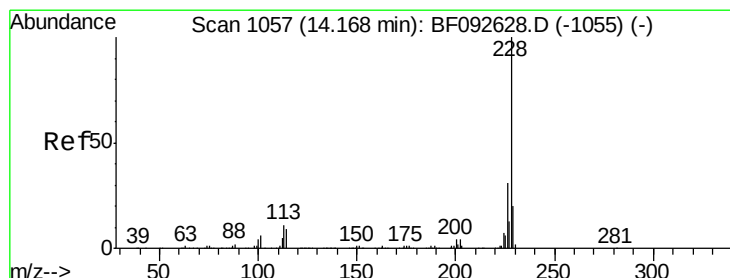
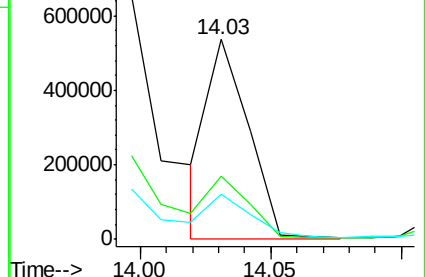
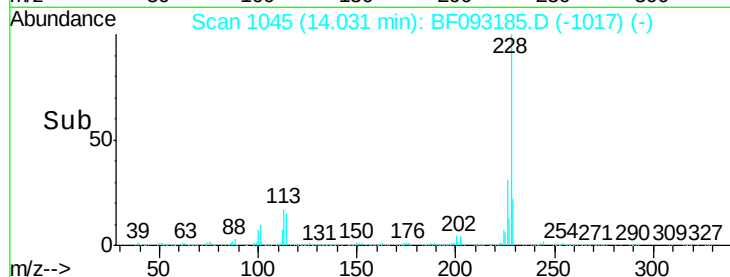
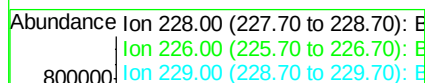
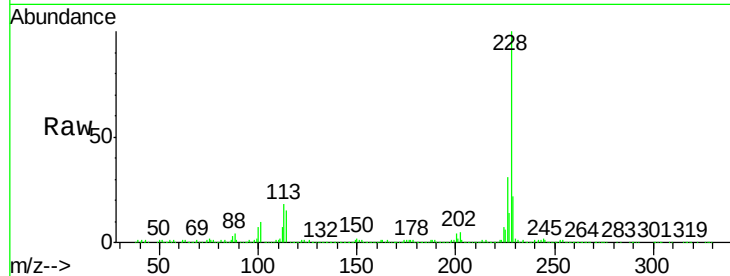
Tgt Ion:228 Resp: 576058

Ion Ratio Lower Upper

228 100

226 31.5 22.4 33.6

229 22.5 16.2 24.4



#82

Chrysene

Concen: 31.84 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

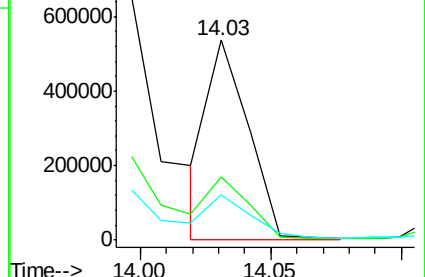
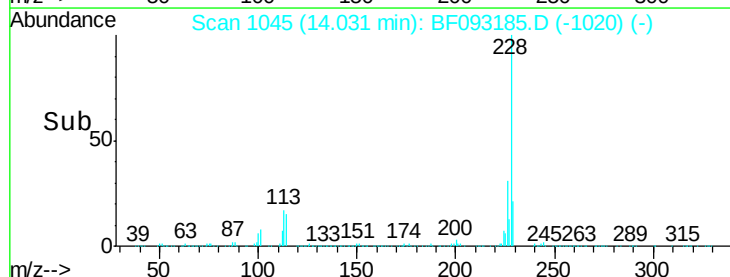
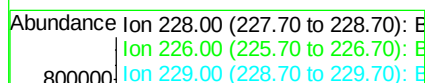
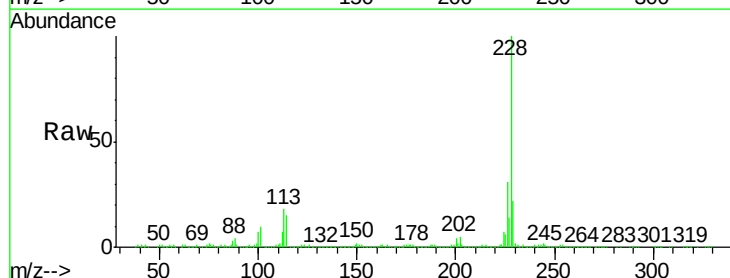
Tgt Ion:228 Resp: 576620

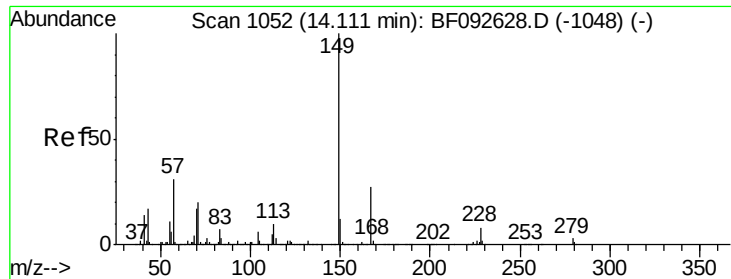
Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.0

229 22.5 16.2 24.2

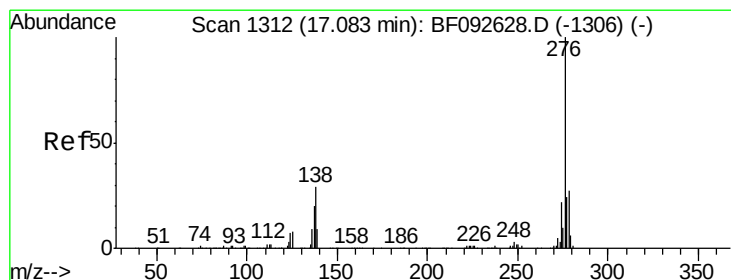
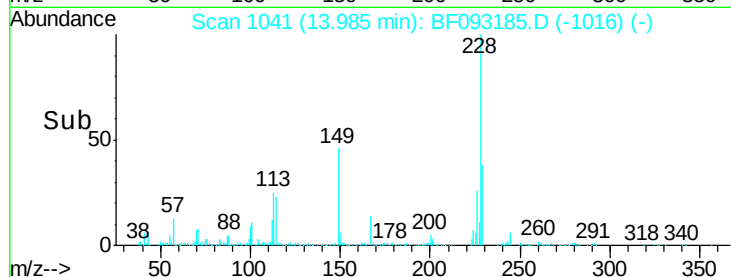
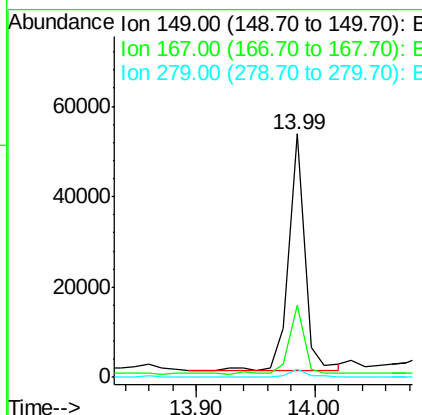
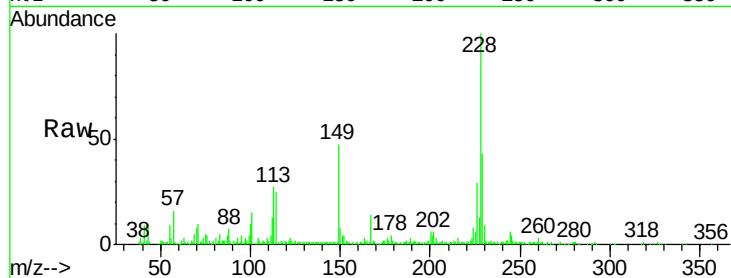




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.79 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

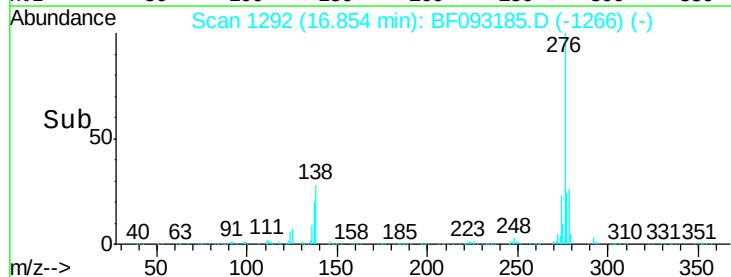
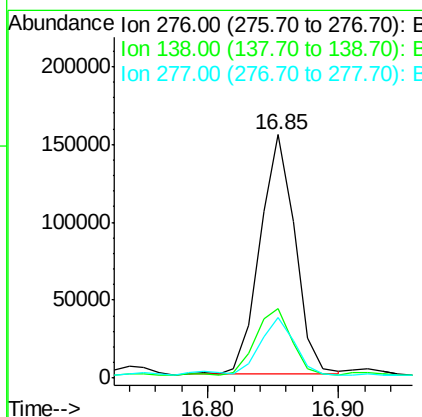
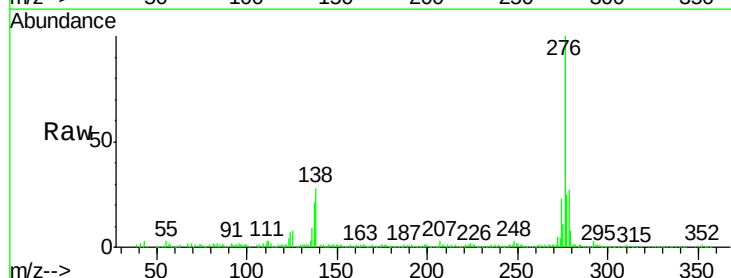
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-1

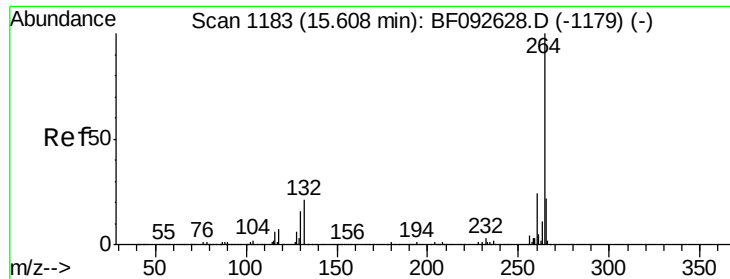
Tgt Ion:149 Resp: 49782  
 Ion Ratio Lower Upper  
 149 100  
 167 29.6 20.2 30.4  
 279 3.1 1.8 2.8#



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 20.49 ng  
 RT: 16.85 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: BF093185.D  
 Acq: 25 Feb 2017 11:40

Tgt Ion:276 Resp: 287364  
 Ion Ratio Lower Upper  
 276 100  
 138 28.6 21.8 32.6  
 277 24.7 20.2 30.4

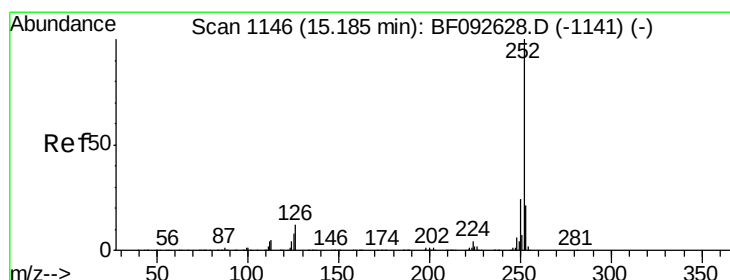
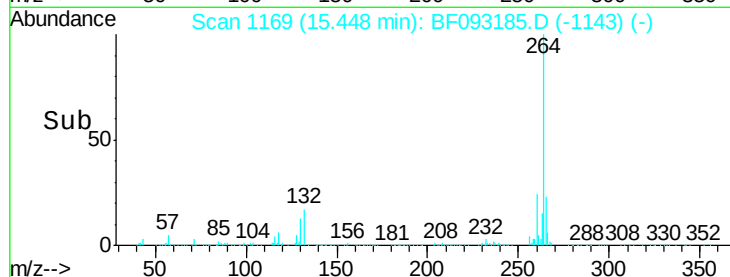
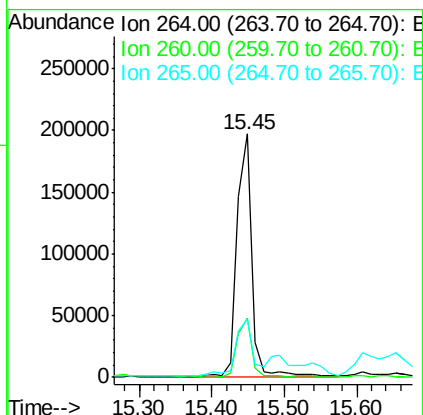
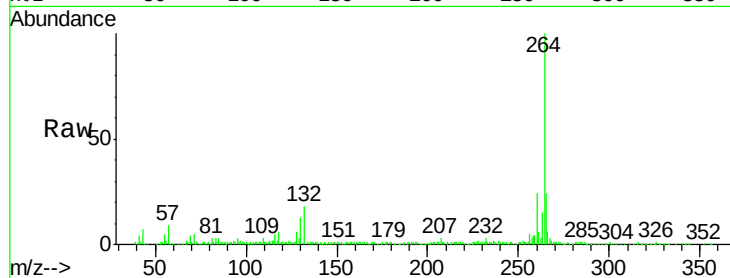




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.45 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

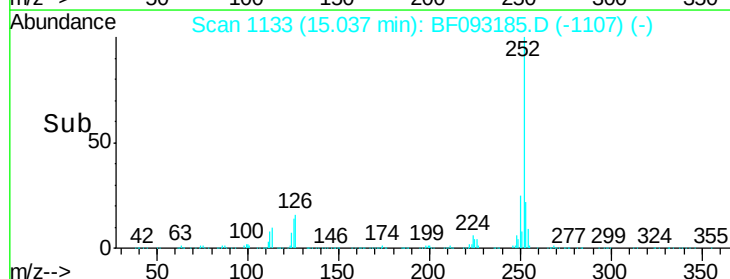
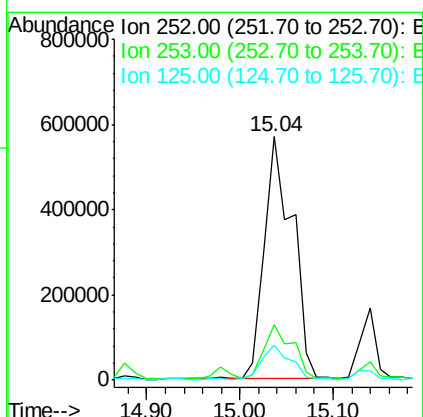
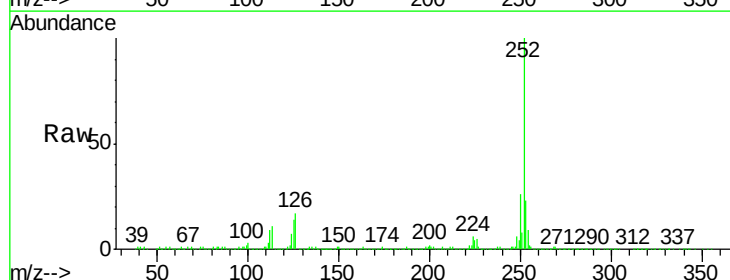
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

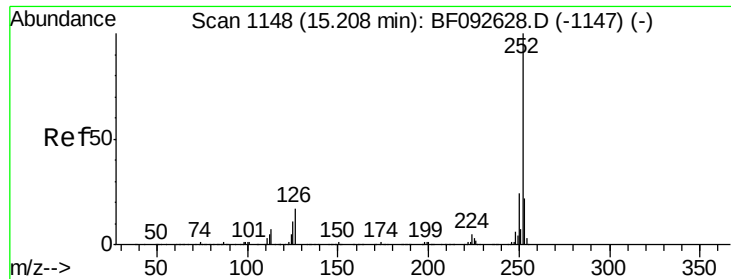
Tgt Ion:264 Resp: 277090  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.2 28.8  
265 23.8 17.4 26.0



#87  
Benzo(b)fluoranthene  
Concen: 65.64 ng  
RT: 15.04 min Scan# 1133  
Delta R.T. -0.00 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

Tgt Ion:252 Resp: 1197144  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.4  
125 14.3 9.8 14.6

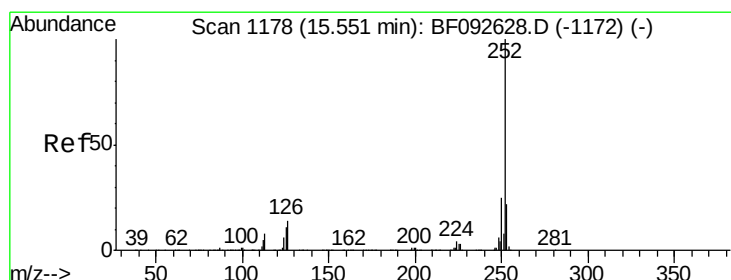
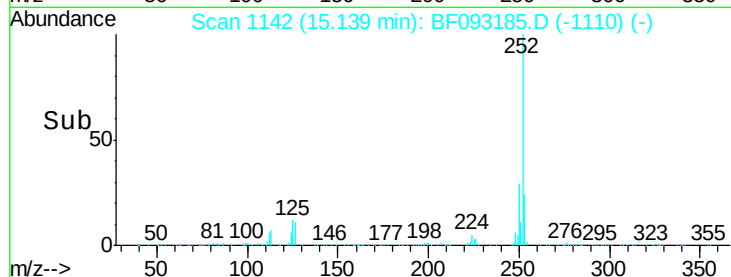
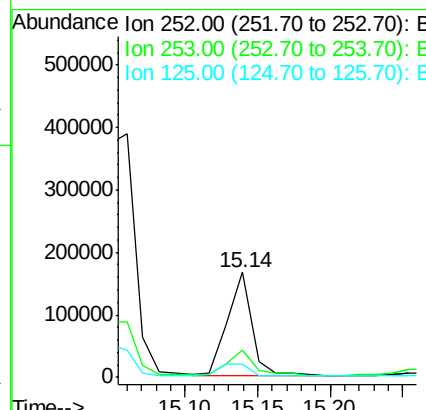
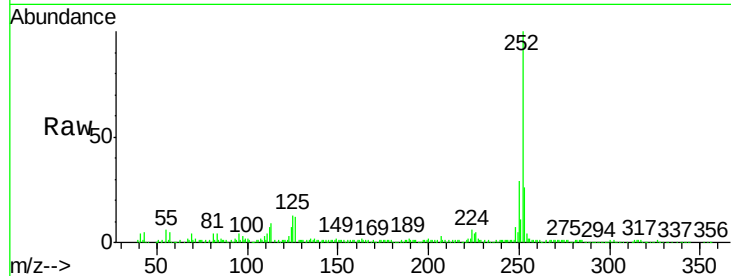




#88  
Benzo(k)fluoranthene  
Concen: 12.36 ng  
RT: 15.14 min Scan# 1142  
Delta R.T. 0.07 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

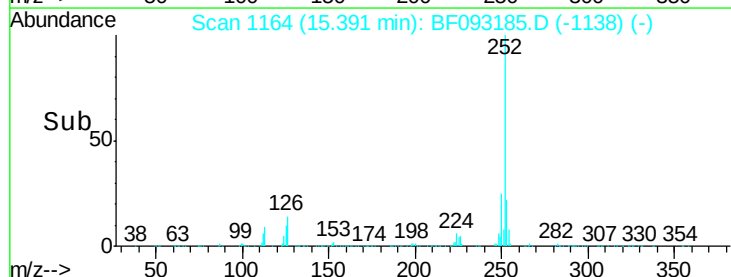
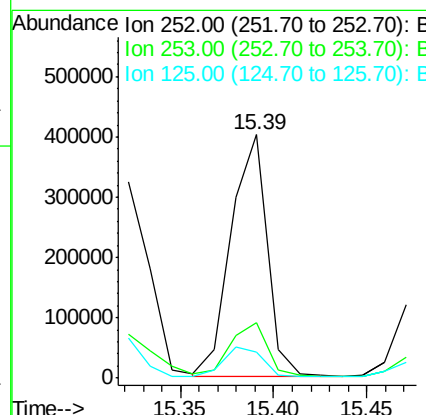
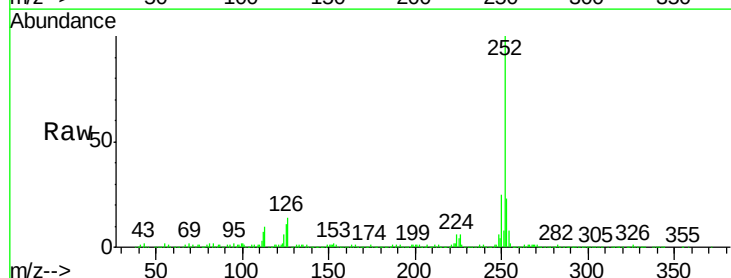
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-1

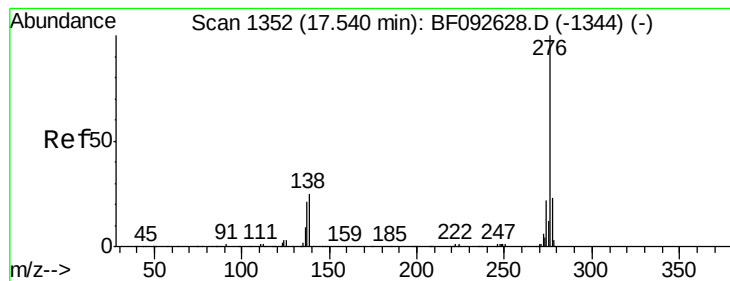
Tgt Ion:252 Resp: 194694  
Ion Ratio Lower Upper  
252 100  
253 25.8 18.5 27.7  
125 13.0 8.9 13.3



#89  
Benzo(a)pyrene  
Concen: 34.43 ng  
RT: 15.39 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: BF093185.D  
Acq: 25 Feb 2017 11:40

Tgt Ion:252 Resp: 543202  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.2 27.2  
125 10.7 10.0 15.0





#91

Benzo(g,h,i)perylene

Concen: 20.36 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093185.D

Acq: 25 Feb 2017 11:40

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-1

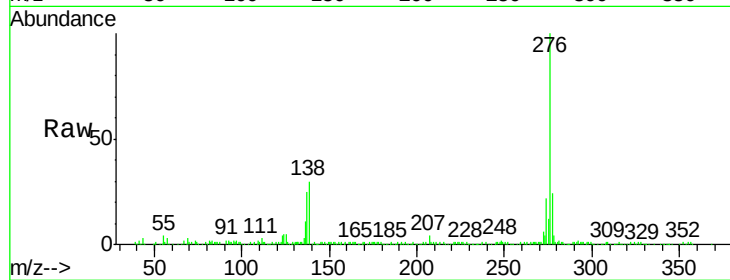
Tgt Ion: 276 Resp: 262225

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 29.7 16.0 24.0#



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

