

Data File : BF093275.D  
Acq On : 1 Mar 2017 5:58  
Operator : SJ/MA  
Sample : I1972-11DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-3DL

Quant Time: Mar 01 06:44:40 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 | 6.81  | 152  | 127499   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.10  | 136  | 491718   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.85  | 164  | 205815   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.33 | 188  | 340783   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 13.99 | 240  | 269195   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.40 | 264  | 216368   | 20.00 | ng    | -0.05    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.41  | 112 | 215215 | 28.96 | ng | -0.03 |
| 7) Phenol-d6                | 6.46  | 99  | 274775 | 28.74 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.38  | 82  | 166376 | 18.84 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330 | 35840  | 24.08 | ng | -0.05 |
| 44) 2-Fluorobiphenyl        | 9.17  | 172 | 279194 | 24.58 | ng | -0.05 |
| 78) Terphenyl-d14           | 12.91 | 244 | 201748 | 17.61 | ng | -0.06 |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70  | 22470   | 3.69  | ng | # 82   |
| 25) Isophorone                 | 7.38  | 82  | 148718  | 9.04  | ng | # 65   |
| 31) Naphthalene                | 8.12  | 128 | 117683  | 4.72  | ng | 97     |
| 32) Benzoic acid               | 7.92  | 122 | 1650    | 7.49  | ng | 86     |
| 37) 2-Methylnaphthalene        | 8.81  | 142 | 38947   | 2.43  | ng | 99     |
| 48) Acenaphthylene             | 9.71  | 152 | 214632  | 10.66 | ng | 96     |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165 | 27732   | 9.26  | ng | # 32   |
| 55) 4-Nitrophenol              | 10.05 | 139 | 9530    | 3.86  | ng | # 7    |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165 | 28101   | 7.05  | ng | # 20   |
| 70) Phenanthrene               | 11.36 | 178 | 168753  | 8.64  | ng | 97     |
| 71) Anthracene                 | 11.41 | 178 | 200323  | 10.22 | ng | 96     |
| 72) Carbazole                  | 11.57 | 167 | 60744   | 3.24  | ng | 96     |
| 74) Fluoranthene               | 12.56 | 202 | 1270092 | 63.07 | ng | 91     |
| 77) Pyrene                     | 12.78 | 202 | 1128042 | 55.99 | ng | 98     |
| 80) Benzo(a)anthracene         | 13.97 | 228 | 922961  | 56.06 | ng | # 90   |
| 81) 3,3'-Dichlorobenzidine     | 14.01 | 252 | 13237   | 2.26  | ng | # 1    |
| 82) Chrysene                   | 13.97 | 228 | 922961  | 59.87 | ng | 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.80 | 276 | 287695  | 24.09 | ng | 97     |
| 87) Benzo(b)fluoranthene       | 15.00 | 252 | 1189586 | 83.53 | ng | 99     |
| 88) Benzo(k)fluoranthene       | 15.11 | 252 | 160660  | 13.07 | ng | 96     |
| 89) Benzo(a)pyrene             | 15.35 | 252 | 465239  | 37.77 | ng | 99     |
| 90) Dibenzo(a,h)anthracene     | 16.96 | 278 | 54269   | 5.45  | ng | 94     |
| 91) Benzo(g,h,i)perylene       | 17.22 | 276 | 235008  | 23.37 | ng | # 91   |

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

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BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

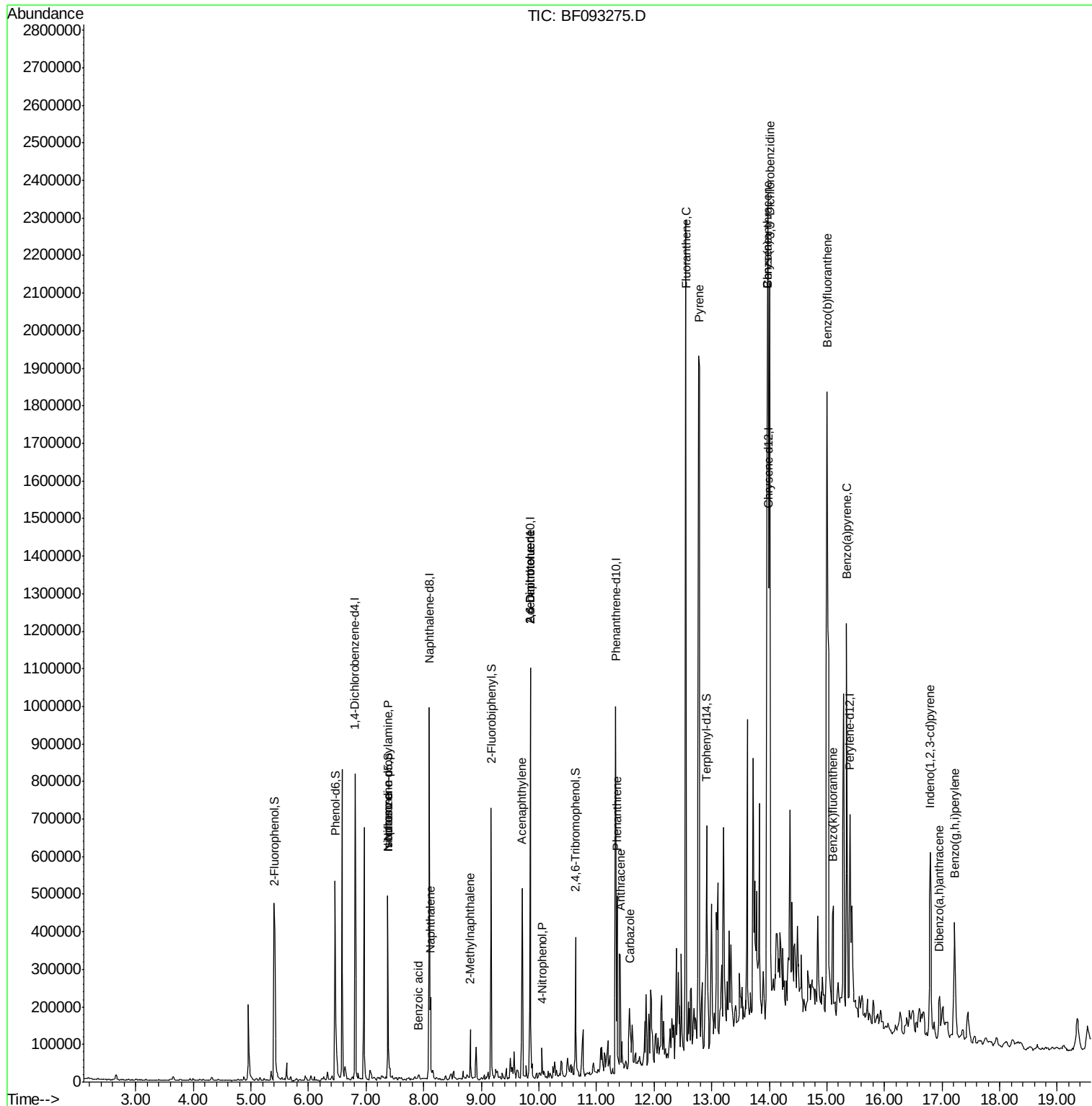
Quant Time: Mar 01 06:44:40 2017

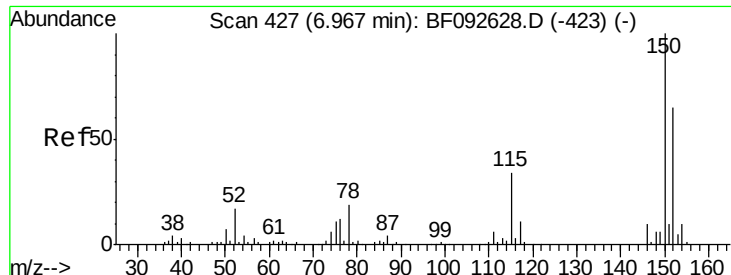
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093275.D

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Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

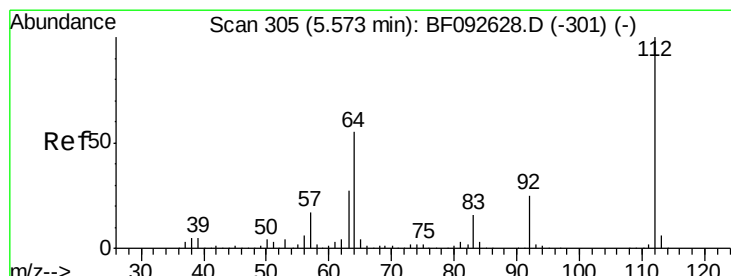
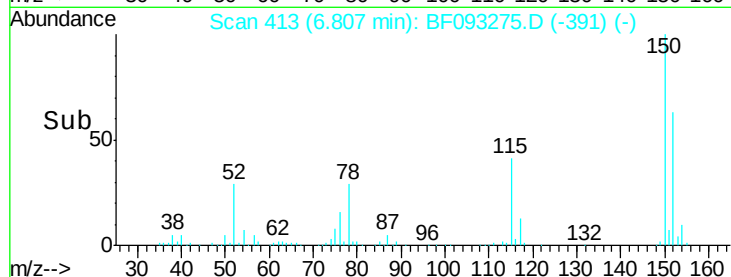
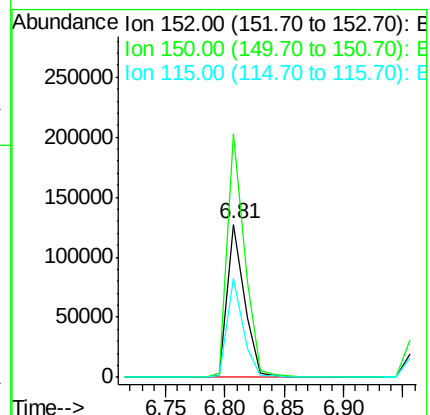
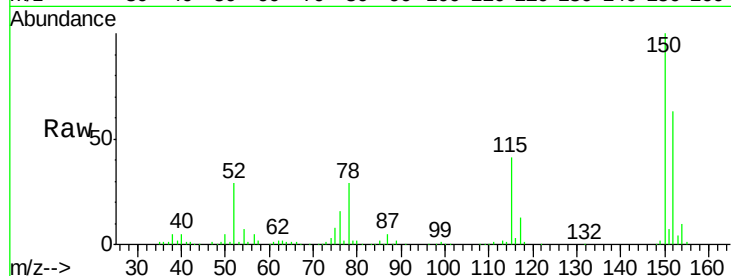
Tgt Ion:152 Resp: 127499

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

115 64.8 46.0 69.0



#5

2-Fluorophenol

Concen: 28.96 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

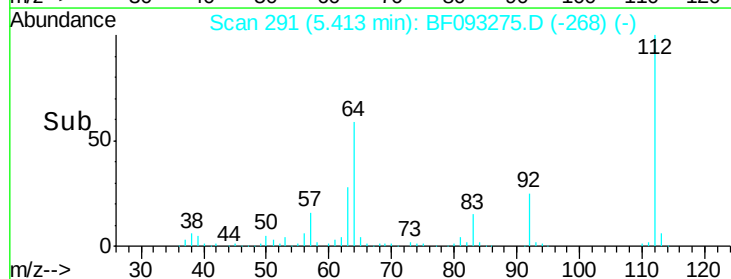
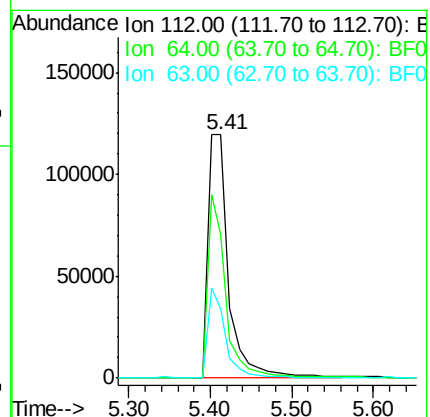
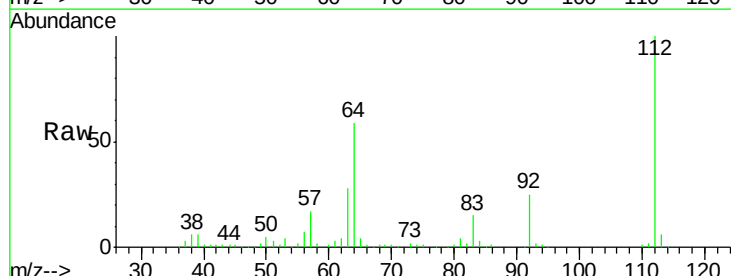
Tgt Ion:112 Resp: 215215

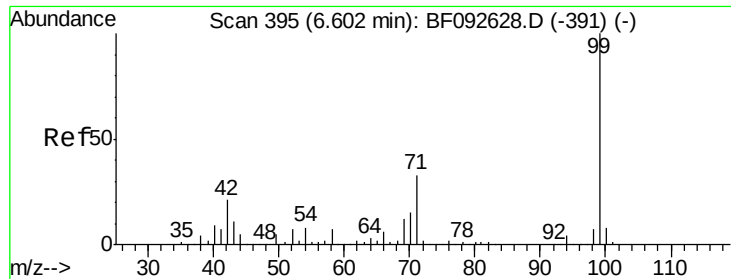
Ion Ratio Lower Upper

112 100

64 58.8 46.1 69.1

63 28.5 23.8 35.6





#7

Phenol-d6

Concen: 28.74 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

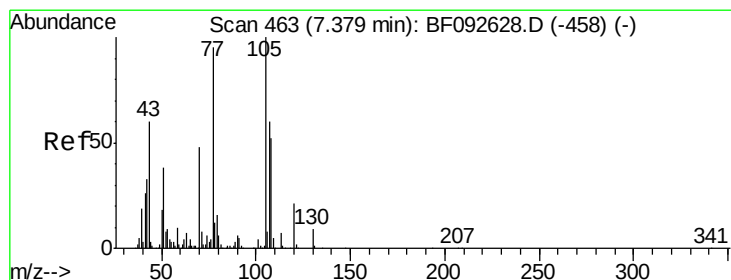
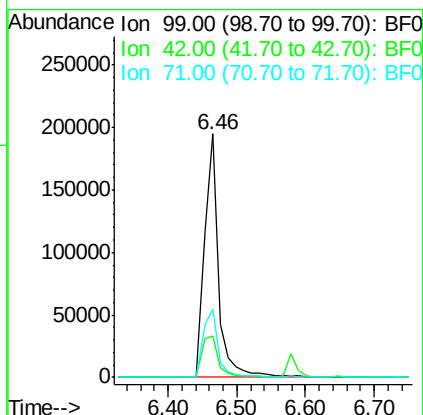
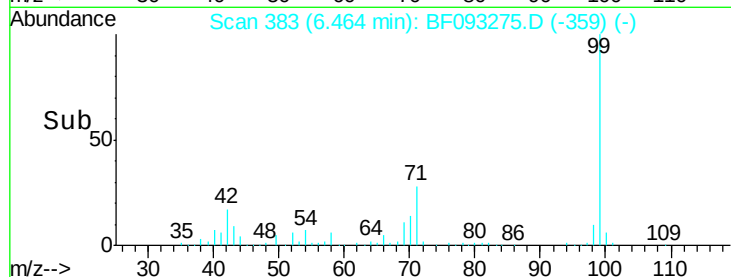
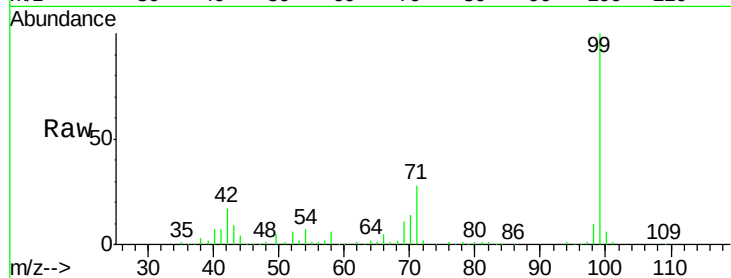
Tgt Ion: 99 Resp: 274775

Ion Ratio Lower Upper

99 100

42 17.1 15.6 23.4

71 28.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.69 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion: 70 Resp: 22470

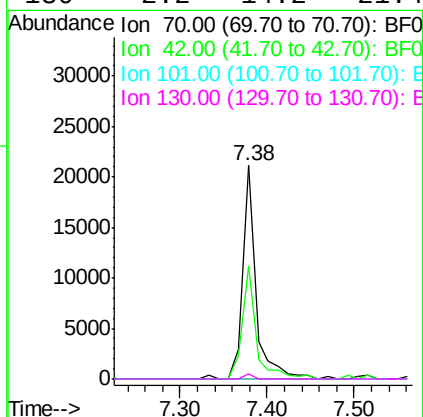
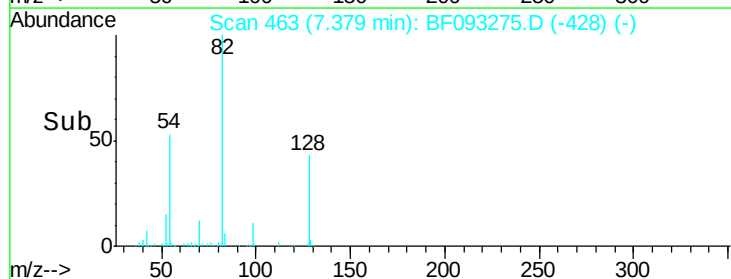
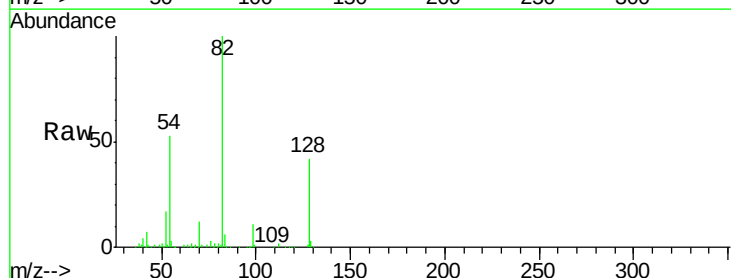
Ion Ratio Lower Upper

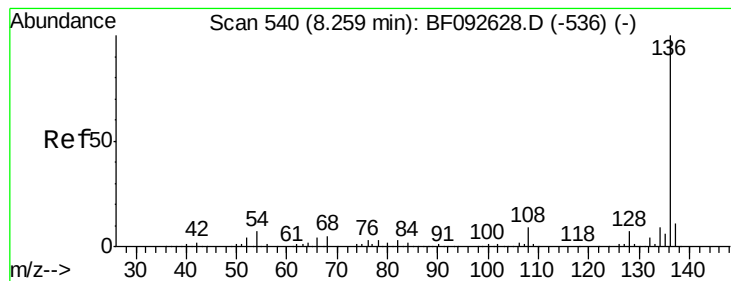
70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

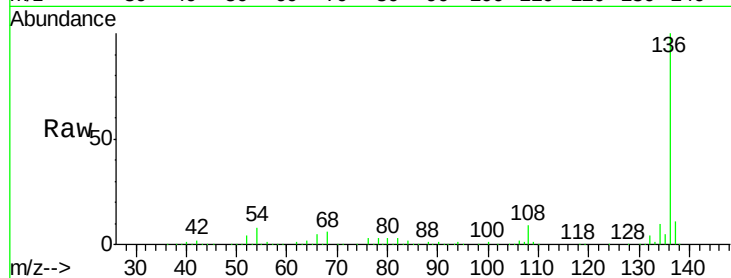
BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion: 136 Resp: 491718

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.4   | 12.6  |
| 54  | 8.4   | 4.5   | 6.7#  |
| 68  | 6.0   | 3.6   | 5.4#  |

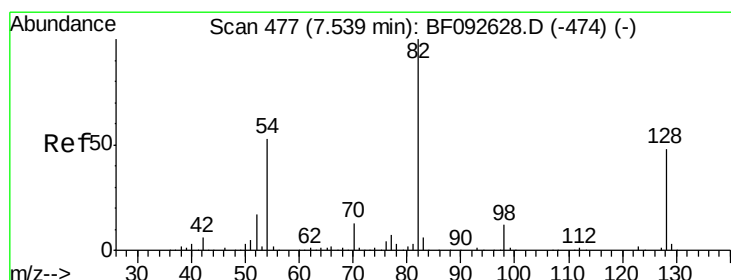
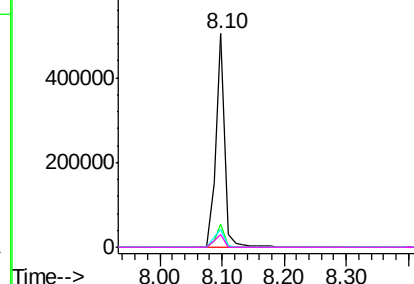
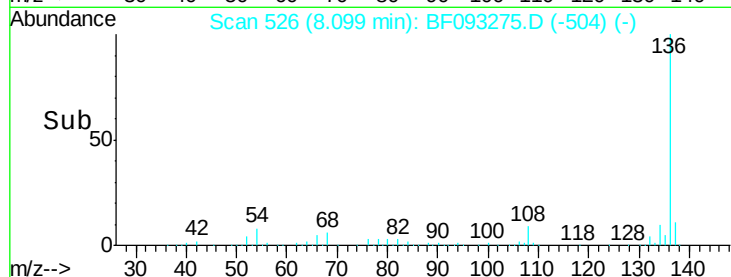


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 18.84 ng

RT: 7.38 min Scan# 463

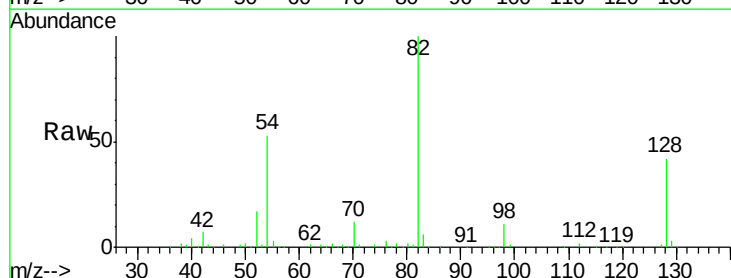
Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion: 82 Resp: 166376

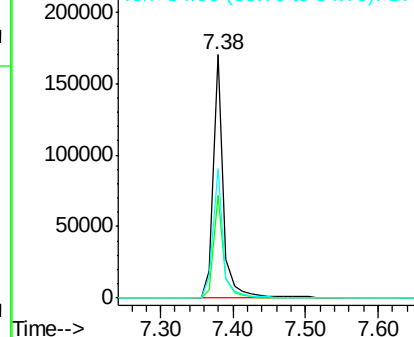
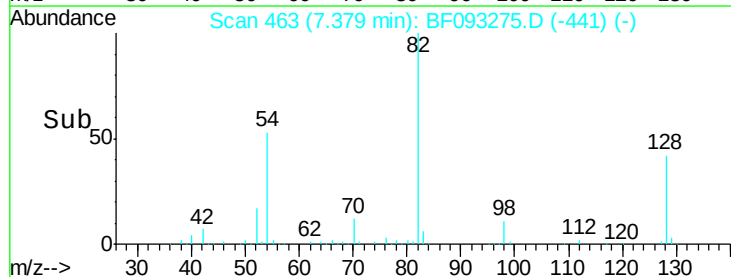
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.5  | 34.6  | 52.0  |
| 54  | 53.3  | 39.5  | 59.3  |

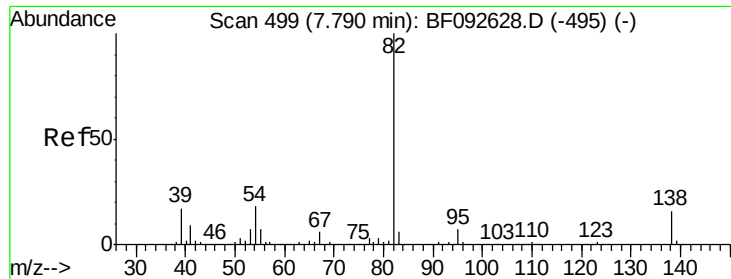


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.04 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

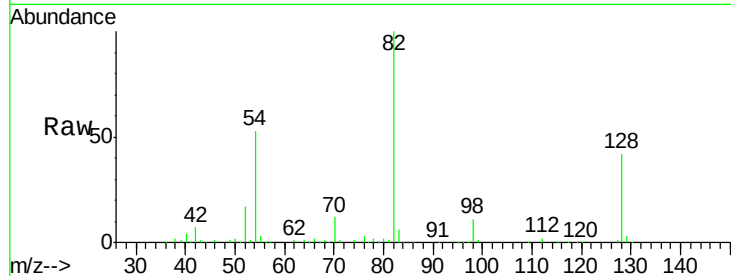
Tgt Ion: 82 Resp: 148718

Ion Ratio Lower Upper

82 100

95 0.3 5.6 8.4#

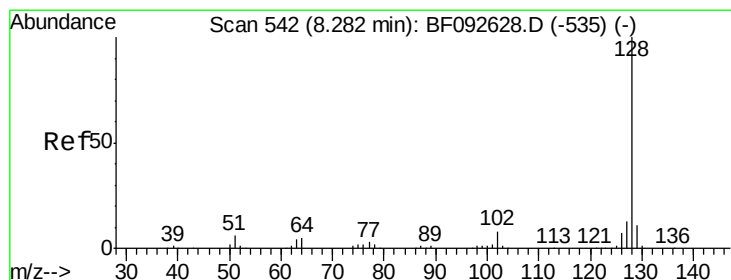
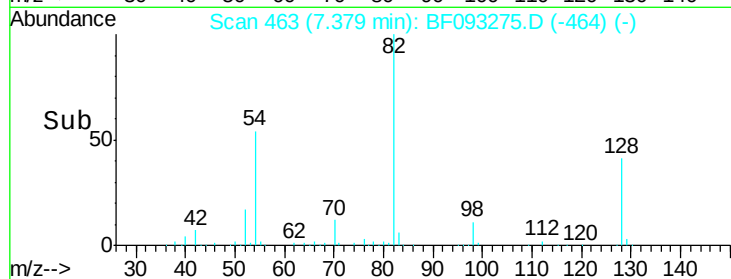
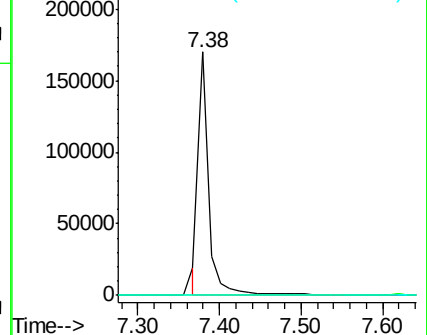
138 0.0 14.6 22.0#



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: 4.72 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

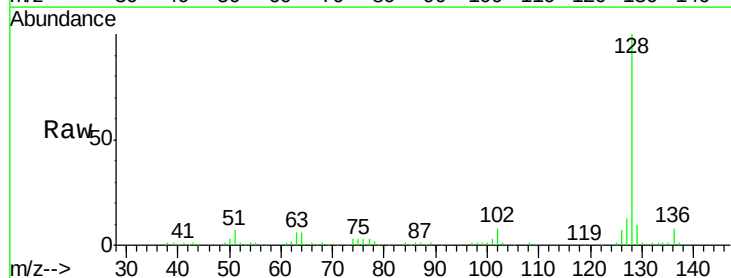
Tgt Ion: 128 Resp: 117683

Ion Ratio Lower Upper

128 100

129 10.2 9.5 14.3

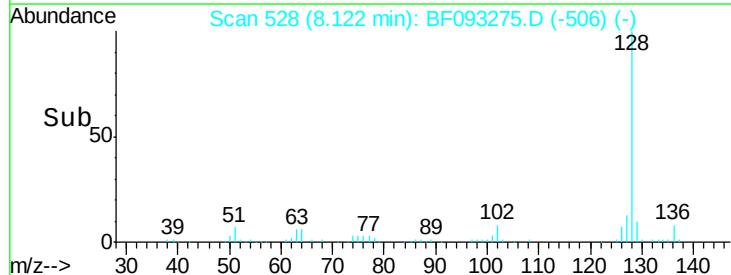
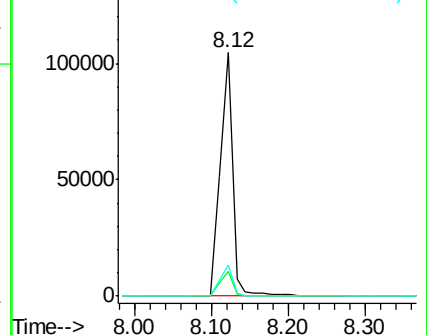
127 12.8 10.8 16.2

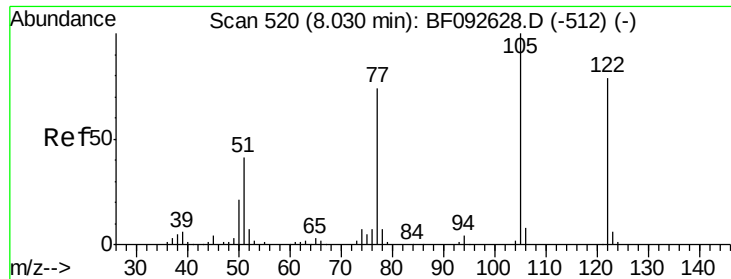


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.49 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

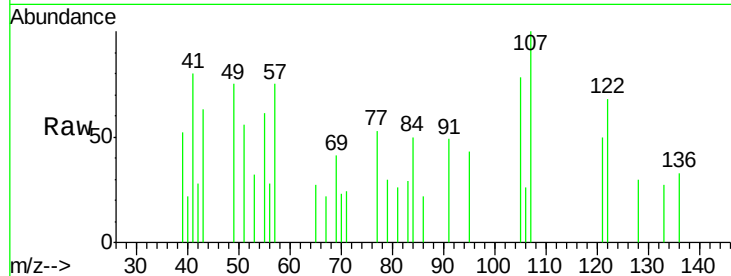
Tgt Ion:122 Resp: 1650

Ion Ratio Lower Upper

122 100

105 114.1 107.2 147.2

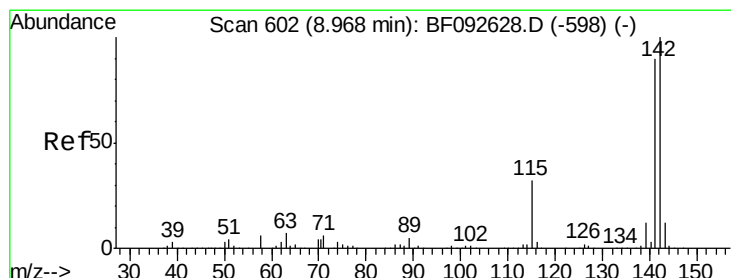
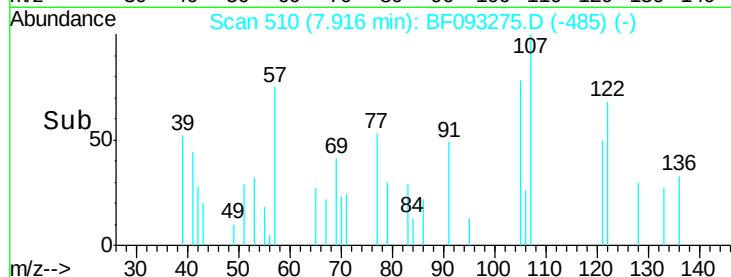
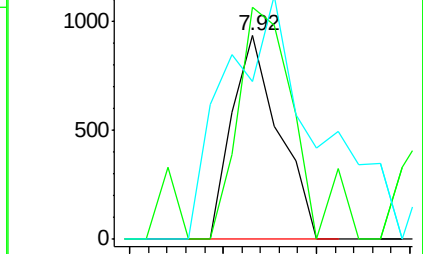
77 77.5 74.5 114.5



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: 2.43 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

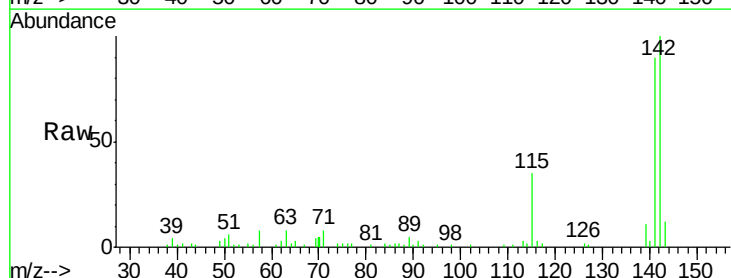
Tgt Ion:142 Resp: 38947

Ion Ratio Lower Upper

142 100

141 90.3 71.0 106.6

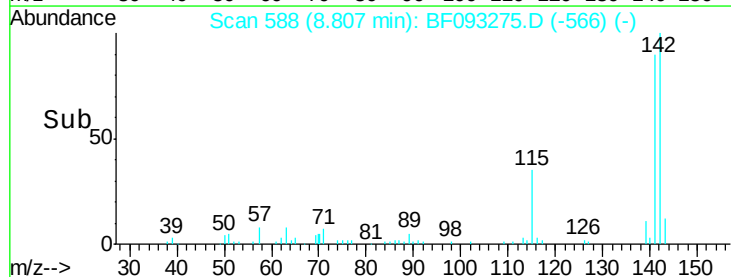
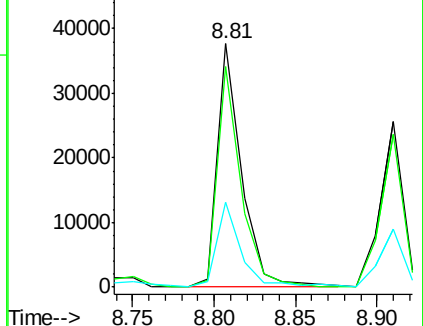
115 34.9 28.3 42.5

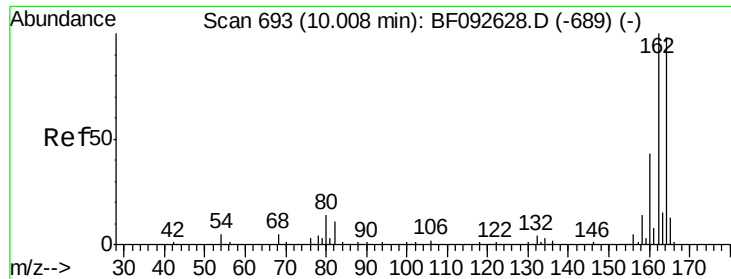


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

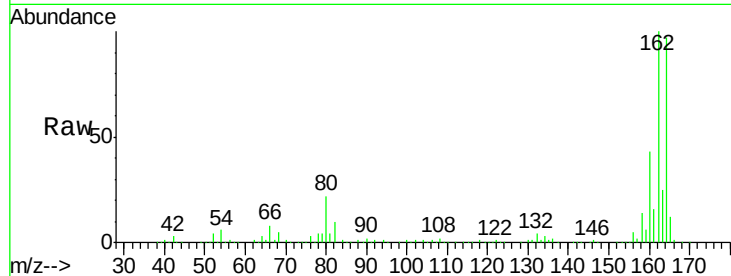




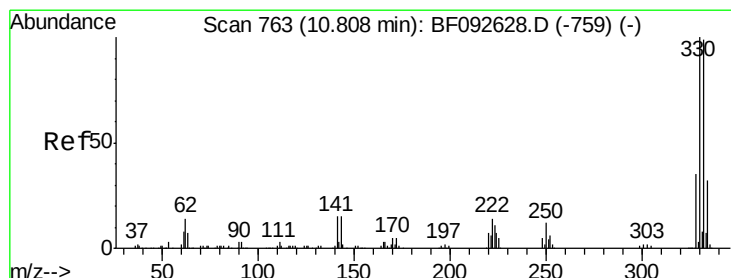
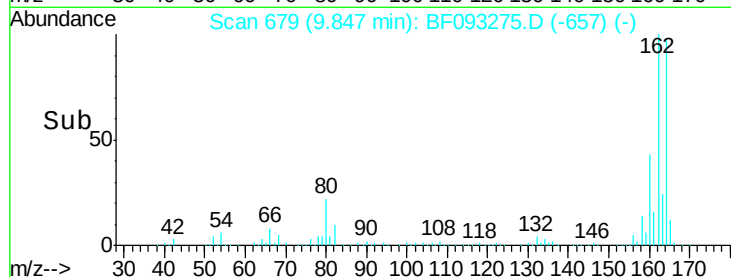
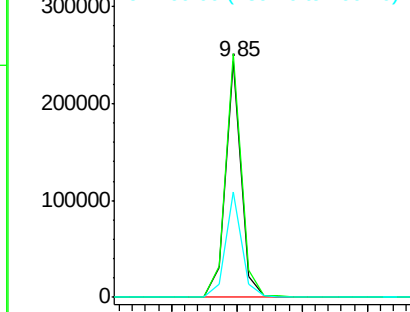
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

Tgt Ion:164 Resp: 205815  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 80.2 120.2  
 160 44.6 36.9 55.3

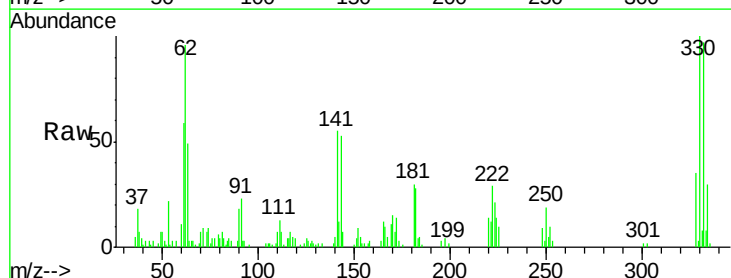


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

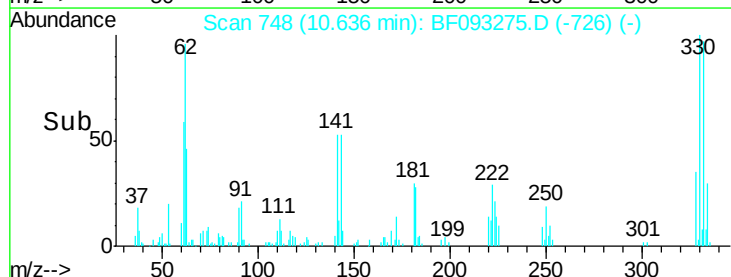
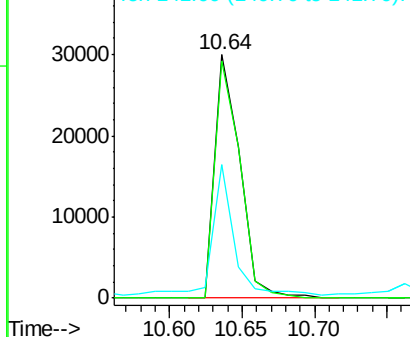


#41  
 2,4,6-Tribromophenol  
 Concen: 24.08 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

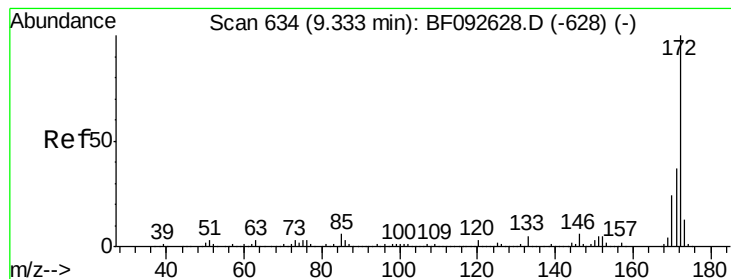
Tgt Ion:330 Resp: 35840  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.4 116.2  
 141 54.6 34.1 51.1#



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



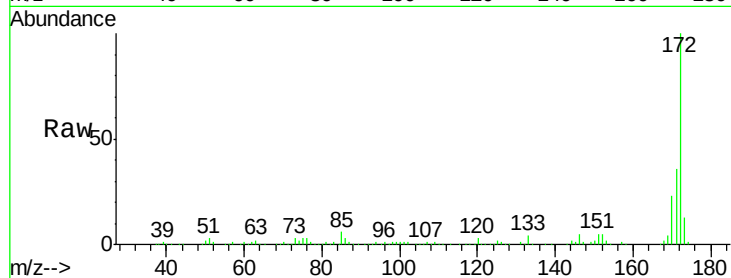




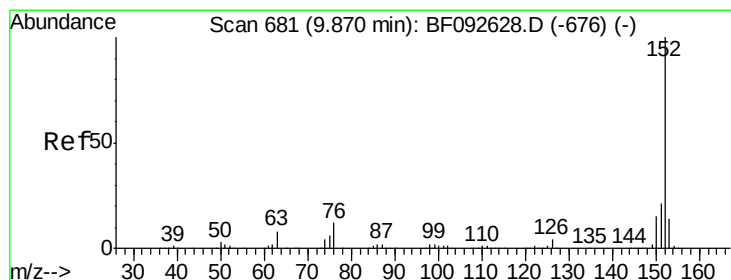
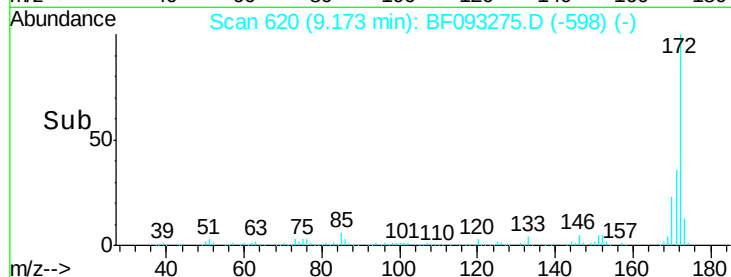
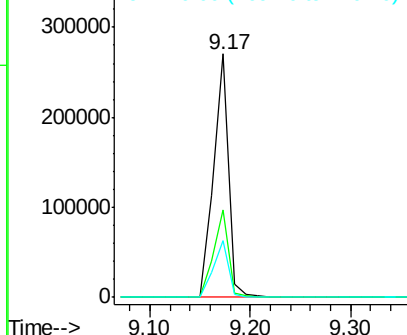
#44  
 2-Fluorobiphenyl  
 Concen: 24.58 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

Tgt Ion:172 Resp: 279194  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 23.3 20.2 30.4

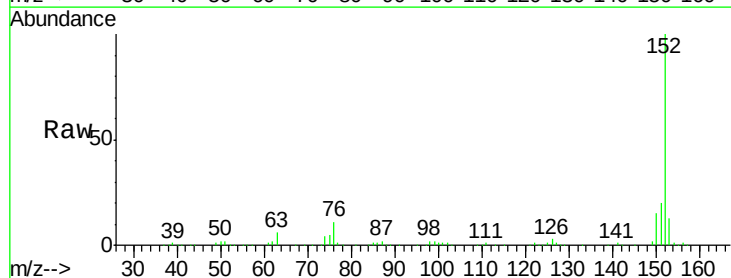


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

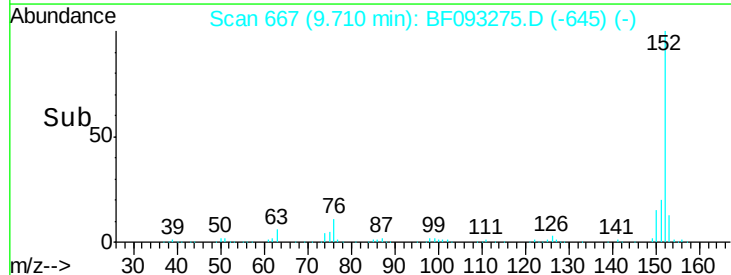
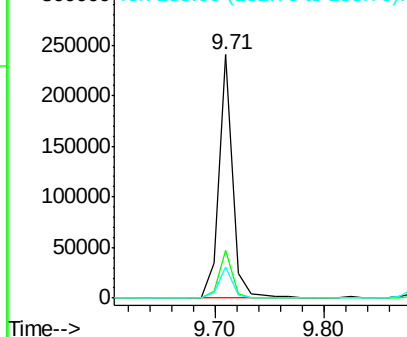


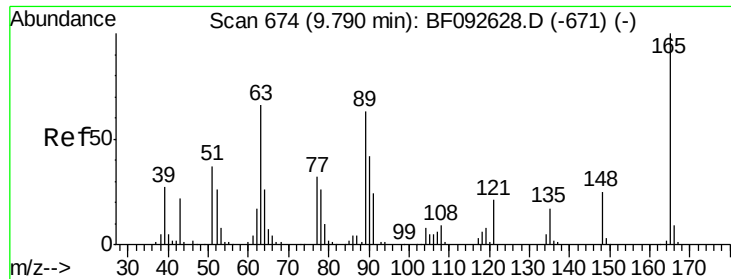
#48  
 Acenaphthylene  
 Concen: 10.66 ng  
 RT: 9.71 min Scan# 667  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Tgt Ion:152 Resp: 214632  
 Ion Ratio Lower Upper  
 152 100  
 151 19.6 16.9 25.3  
 153 12.6 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

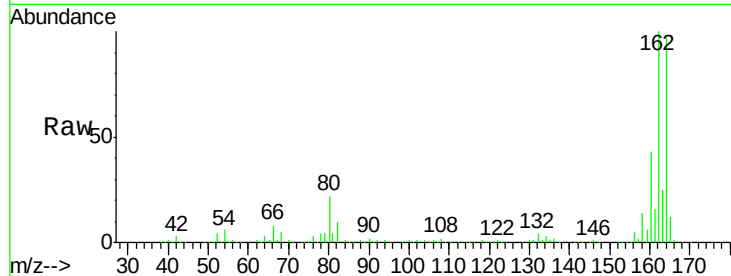




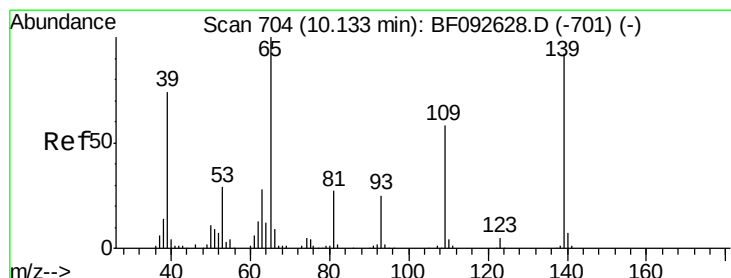
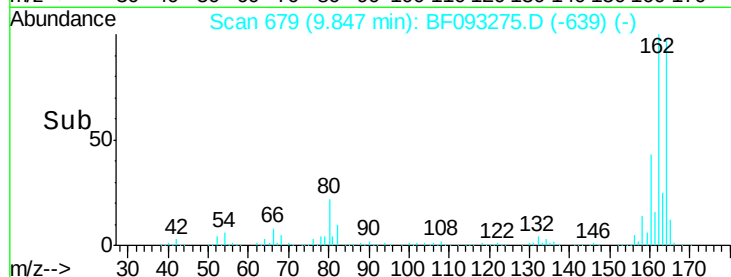
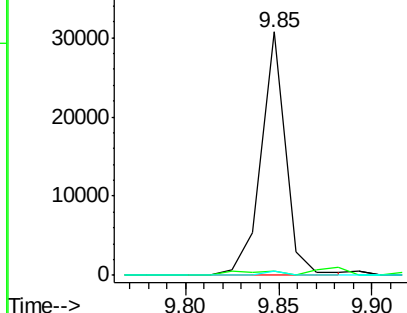
#50  
 2,6-Dinitrotoluene  
 Concen: 9.26 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. 0.16 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

Tgt Ion:165 Resp: 27732  
 Ion Ratio Lower Upper  
 165 100  
 63 1.7 36.2 54.4#  
 89 1.8 40.2 60.4#

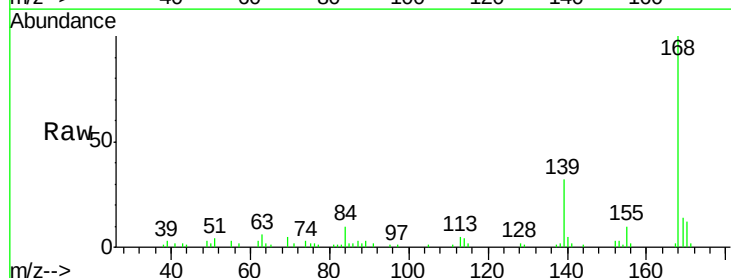


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

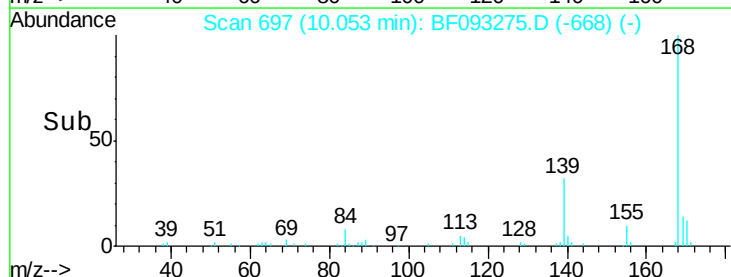
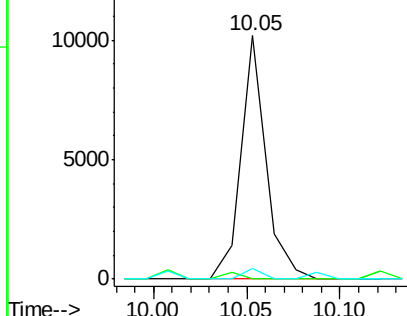


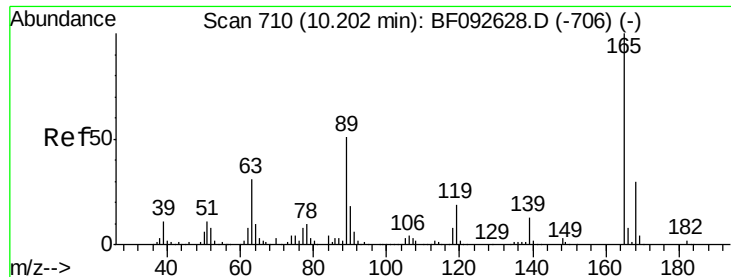
#55  
 4-Nitrophenol  
 Concen: 3.86 ng  
 RT: 10.05 min Scan# 697  
 Delta R.T. 0.03 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Tgt Ion:139 Resp: 9530  
 Ion Ratio Lower Upper  
 139 100  
 109 0.0 52.2 92.2#  
 65 4.5 85.8 125.8#



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

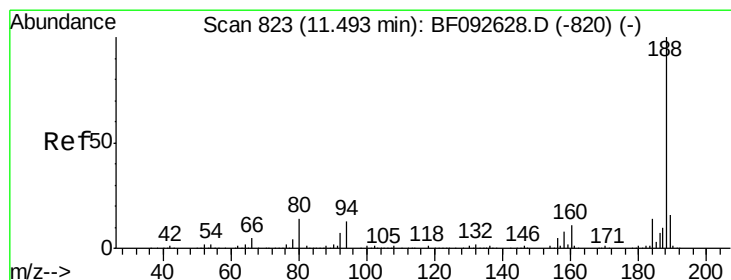
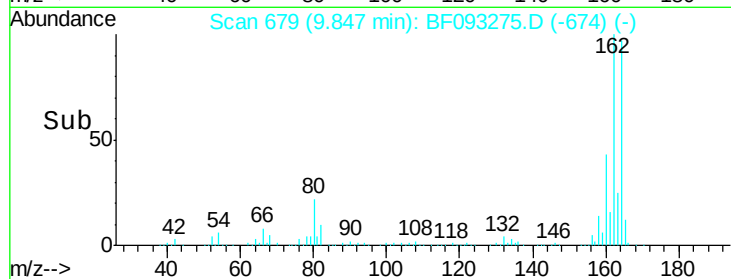
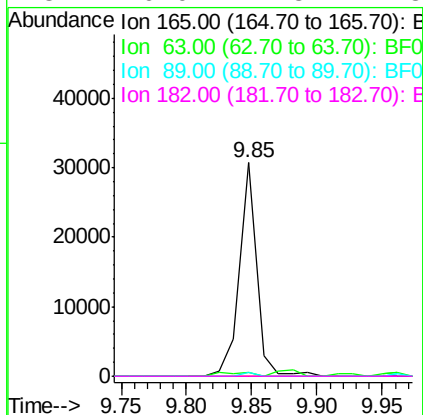
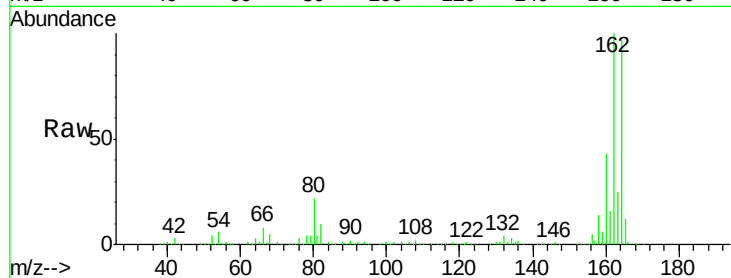




#56  
 2,4-Dinitrotoluene  
 Concen: 7.05 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.24 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

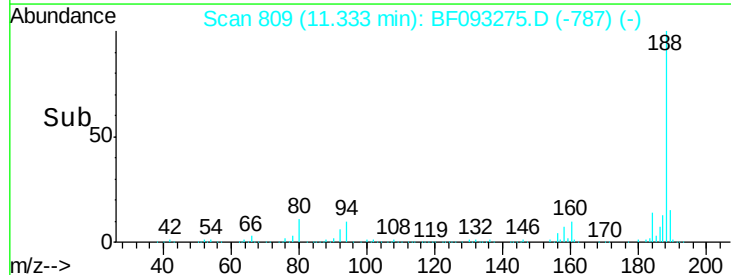
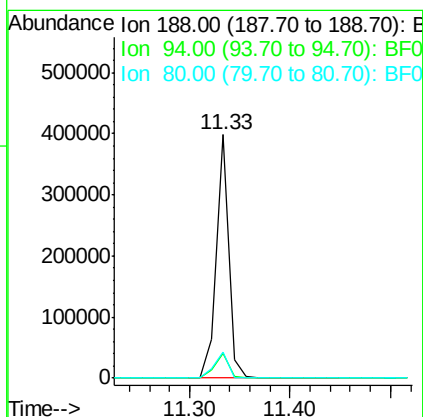
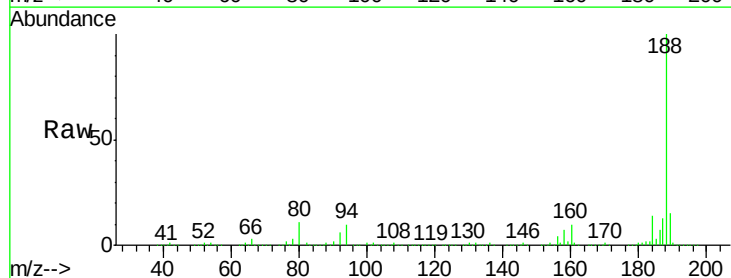
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

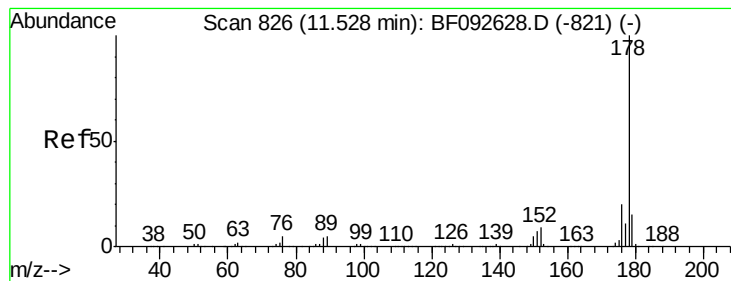
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 28101 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.7   | 40.2  | 60.4# |
| 89       | 1.8   | 62.5  | 93.7# |
| 182      | 0.0   | 1.8   | 2.8#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 340783 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.2  | 10.0  | 15.0   |
| 80       | 10.7  | 11.2  | 16.8#  |





#70

Phenanthrene

Concen: 8.64 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

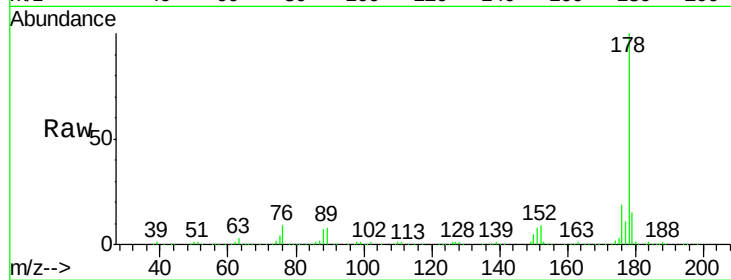
Tgt Ion:178 Resp: 168753

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

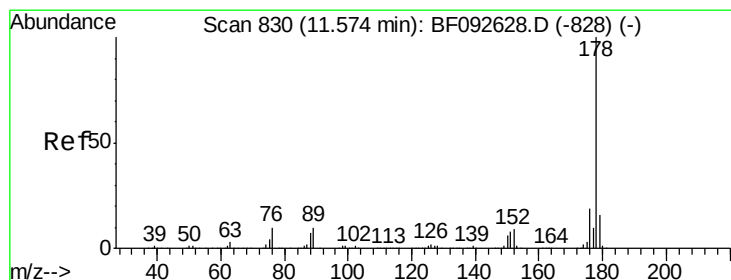
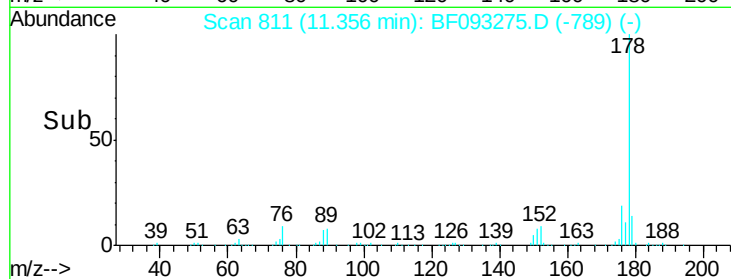
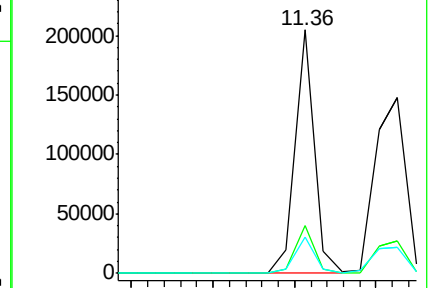
179 14.8 12.8 19.2



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: 10.22 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

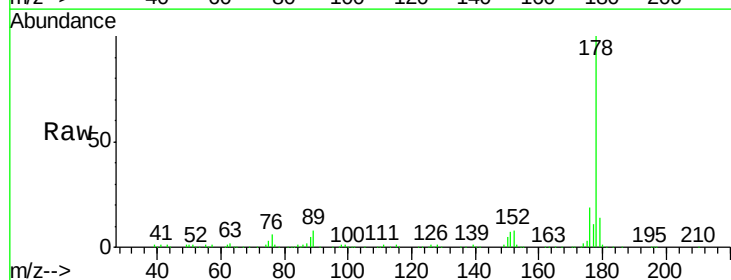
Tgt Ion:178 Resp: 200323

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

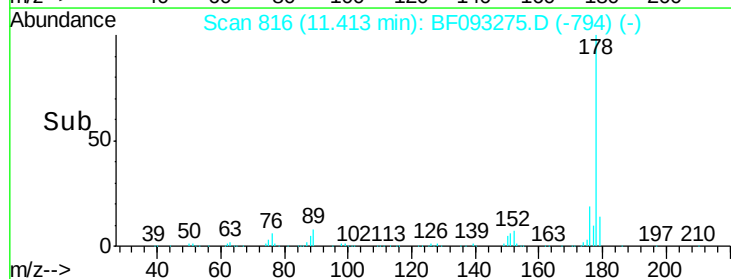
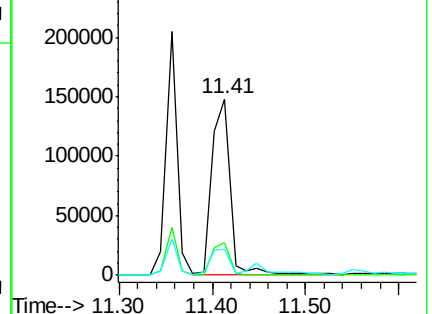
179 14.5 13.2 19.8

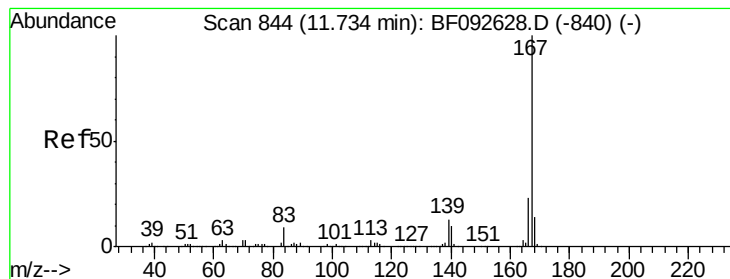


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.24 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

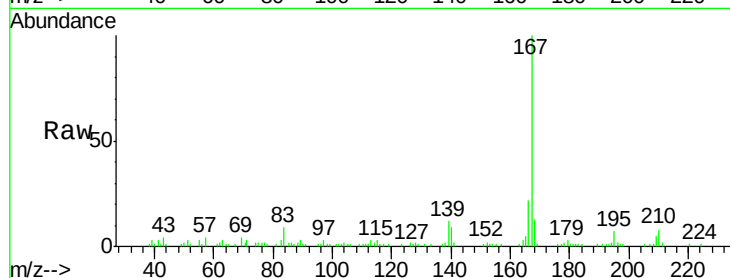
Tgt Ion:167 Resp: 60744

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.2

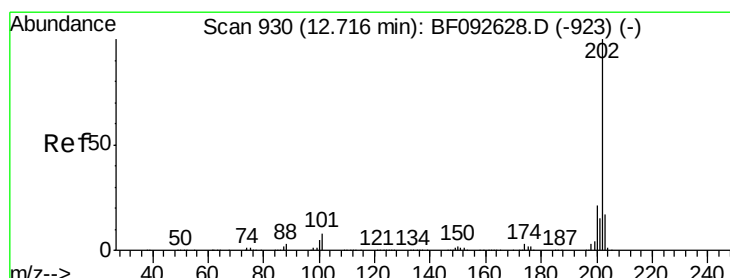
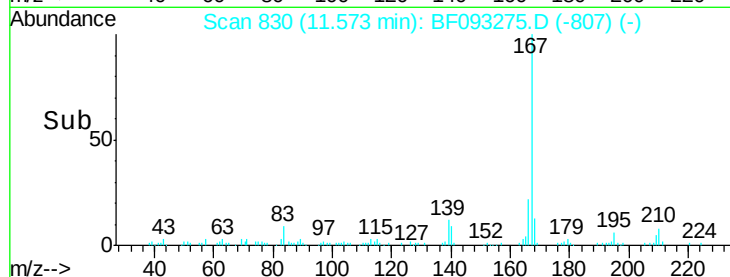
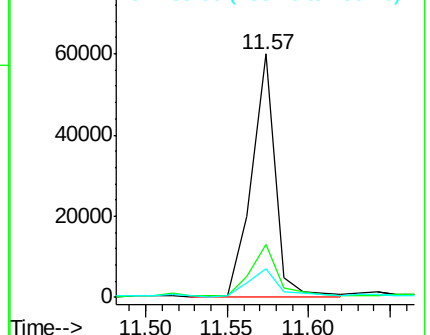
139 11.9 11.4 17.2



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: 63.07 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

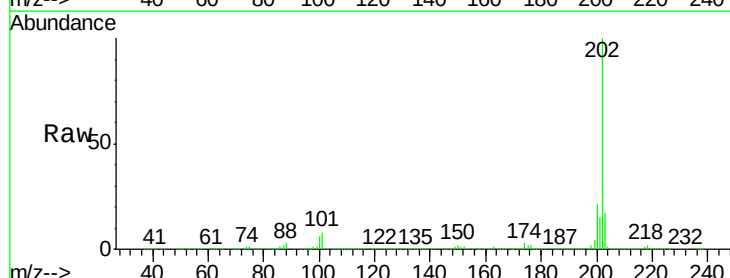
Tgt Ion:202 Resp: 1270092

Ion Ratio Lower Upper

202 100

101 7.7 0.0 34.6

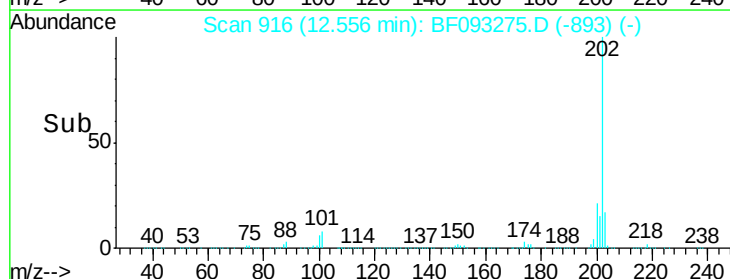
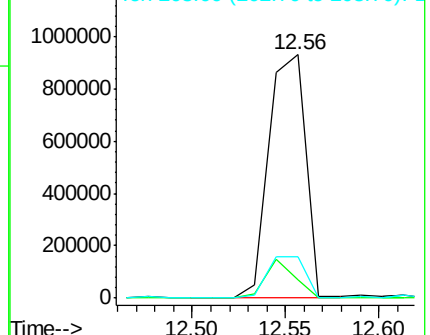
203 17.2 0.0 38.7

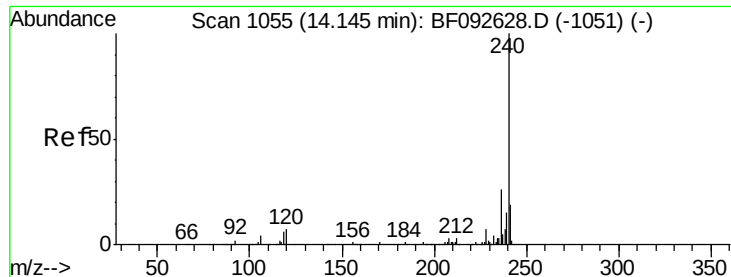


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

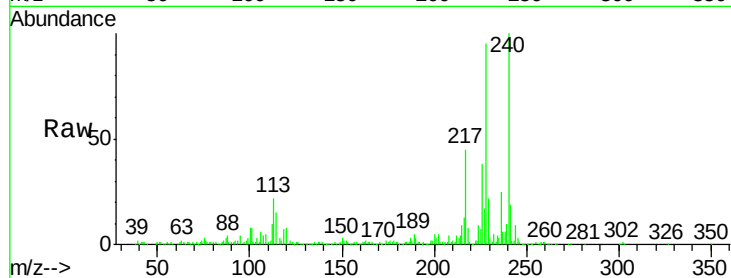
Tgt Ion:240 Resp: 269195

Ion Ratio Lower Upper

240 100

120 8.0 12.9 19.3#

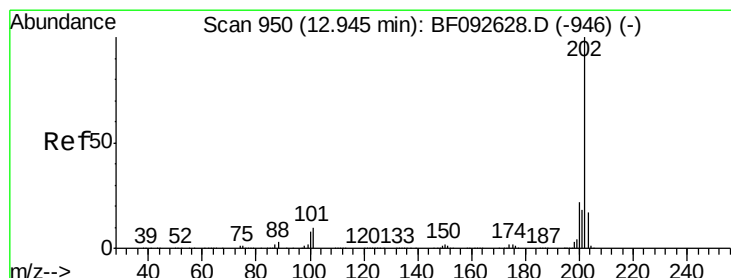
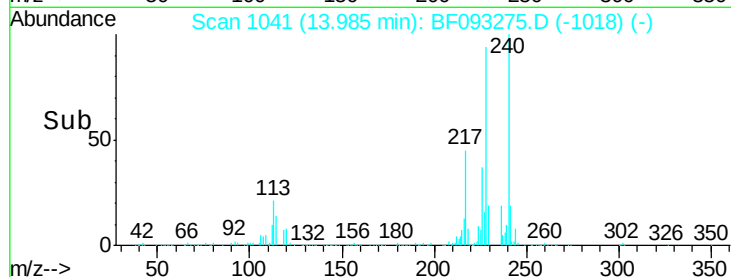
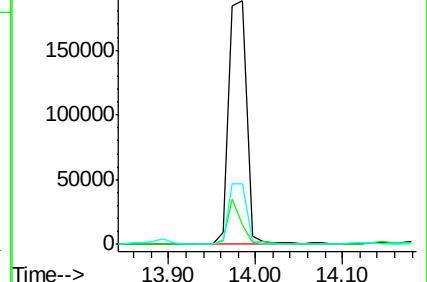
236 25.0 20.9 31.3



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: 55.99 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

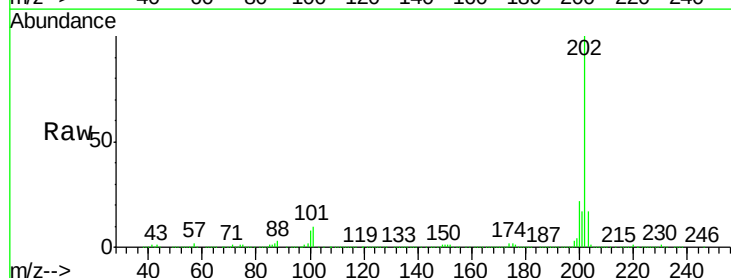
Tgt Ion:202 Resp: 1128042

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

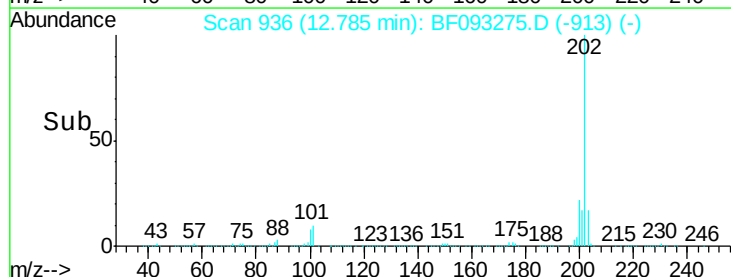
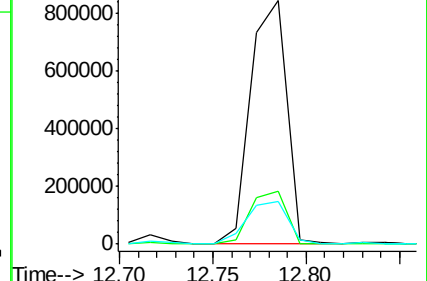
203 17.3 14.7 22.1

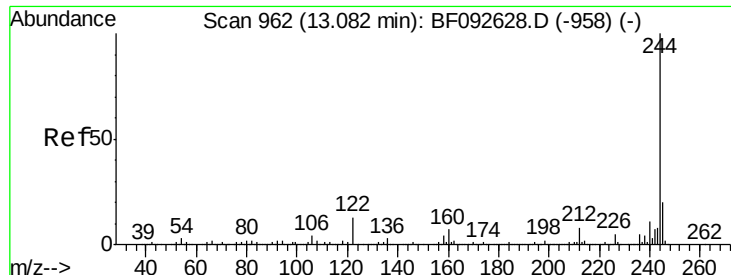


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

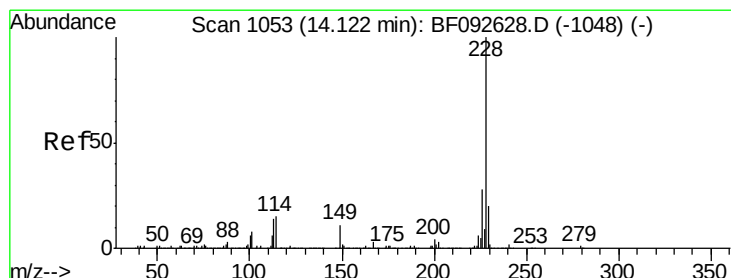
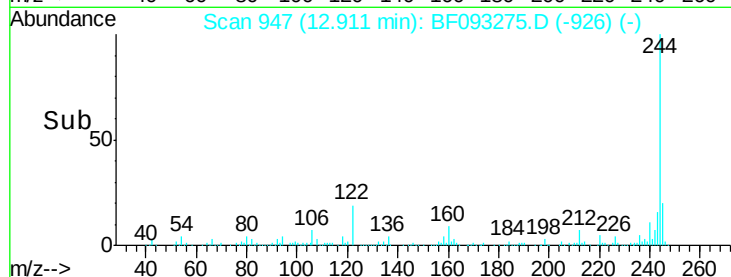
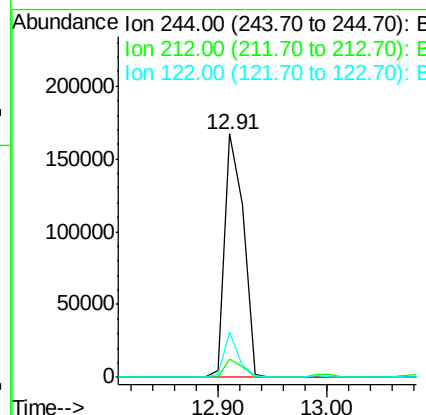
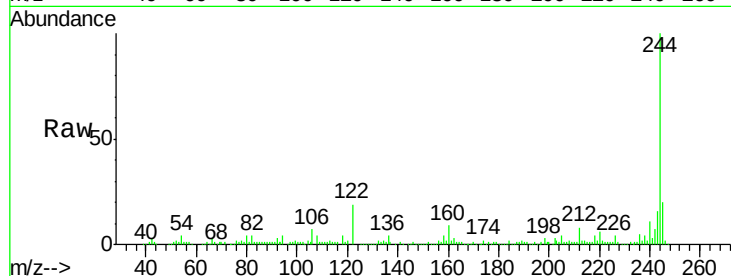




#78  
 Terphenyl-d14  
 Concen: 17.61 ng  
 RT: 12.91 min Scan# 947  
 Delta R.T. -0.06 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

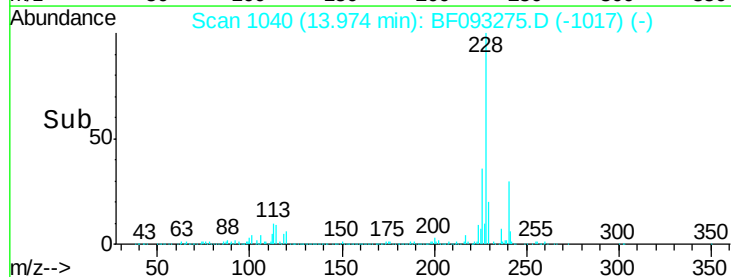
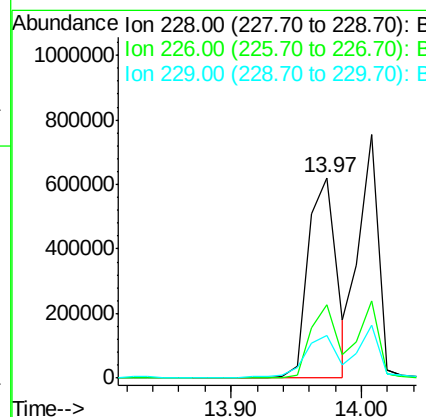
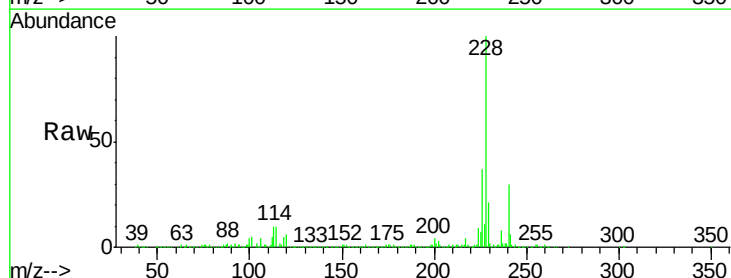
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

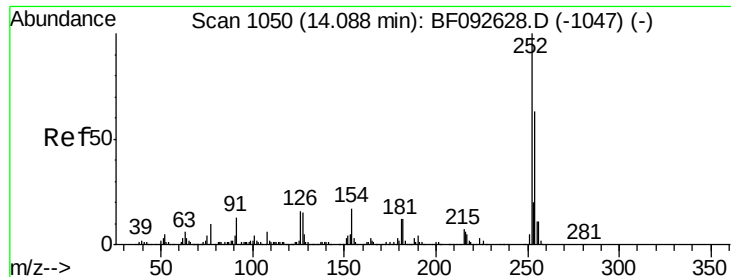
Tgt Ion:244 Resp: 201748  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 18.6 11.4 17.2#



#80  
 Benzo(a)anthracene  
 Concen: 56.06 ng  
 RT: 13.97 min Scan# 1040  
 Delta R.T. -0.03 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Tgt Ion:228 Resp: 922961  
 Ion Ratio Lower Upper  
 228 100  
 226 36.8 22.4 33.6#  
 229 21.0 16.2 24.4





#81

3,3'-Dichlorobenzidine

Concen: 2.26 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

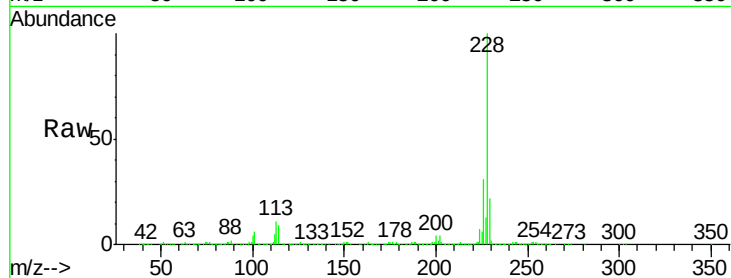
Tgt Ion:252 Resp: 13237

Ion Ratio Lower Upper

252 100

254 145.7 52.3 78.5#

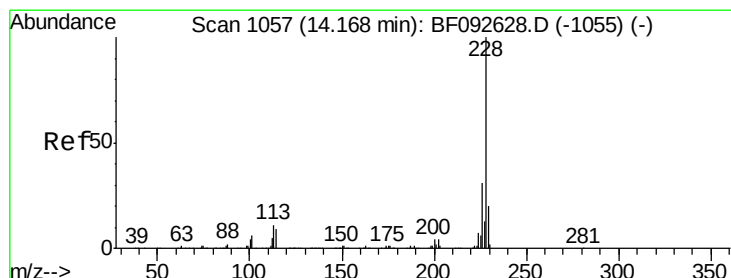
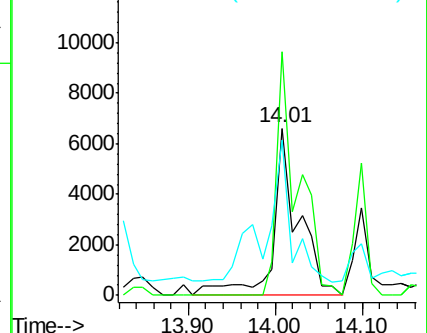
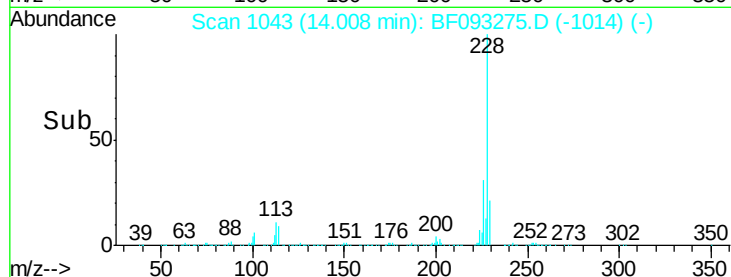
126 93.1 13.6 20.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 59.87 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

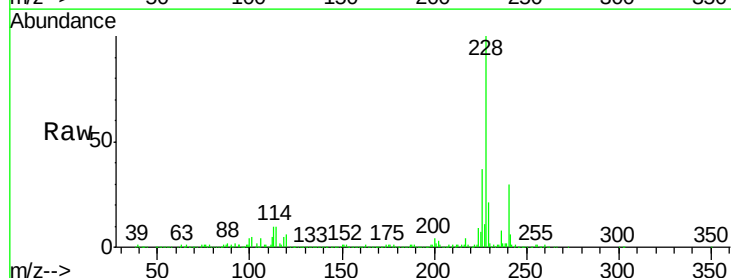
Tgt Ion:228 Resp: 922961

Ion Ratio Lower Upper

228 100

226 36.8 25.4 38.0

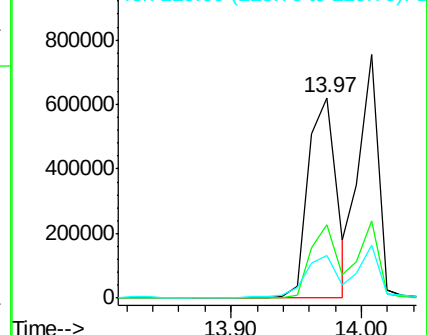
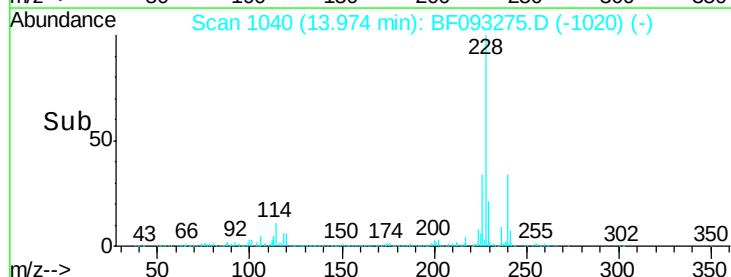
229 21.0 16.2 24.2



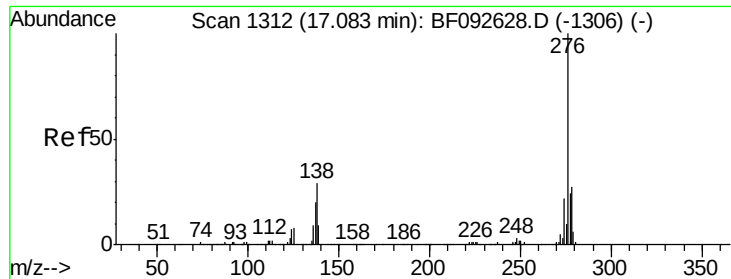
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



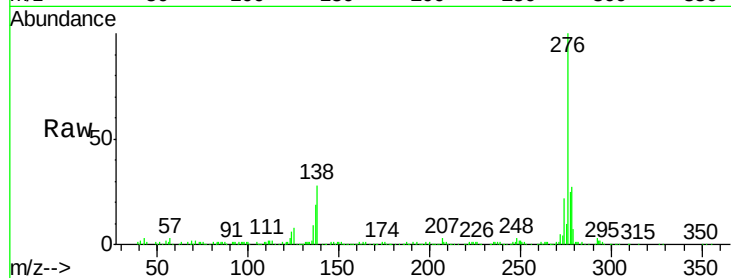




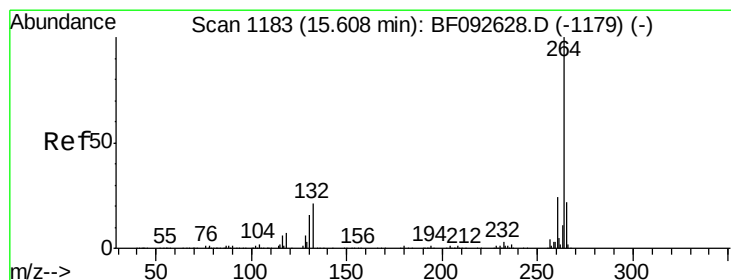
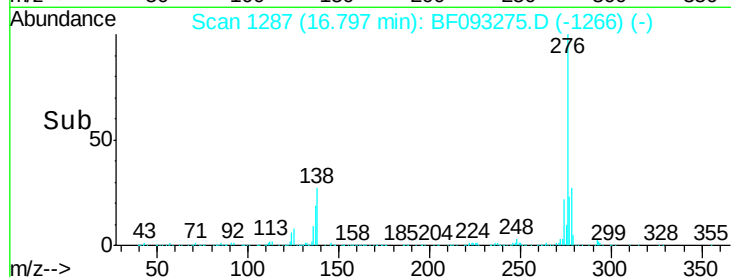
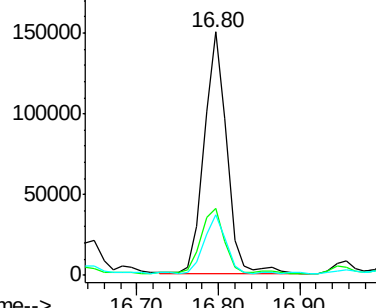
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 24.09 ng  
 RT: 16.80 min Scan# 1287  
 Delta R.T. -0.06 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.1  | 21.8  | 32.6  |
| 277     | 23.4  | 20.2  | 30.4  |

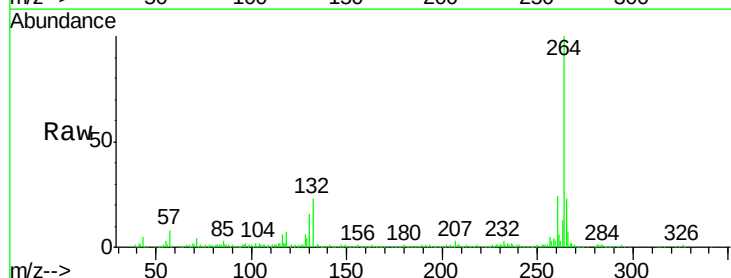


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

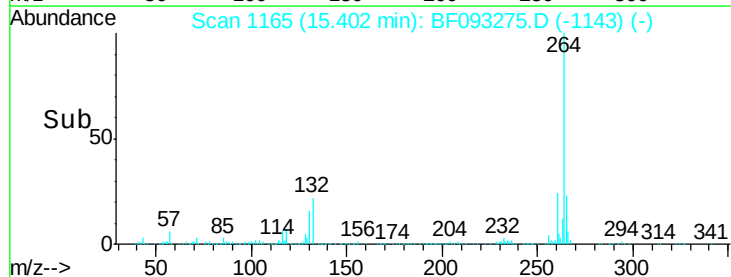
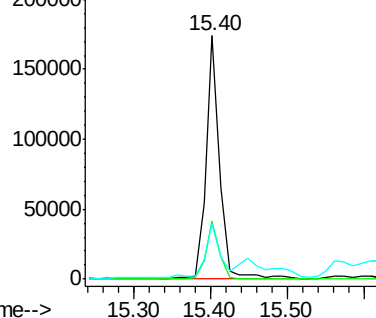


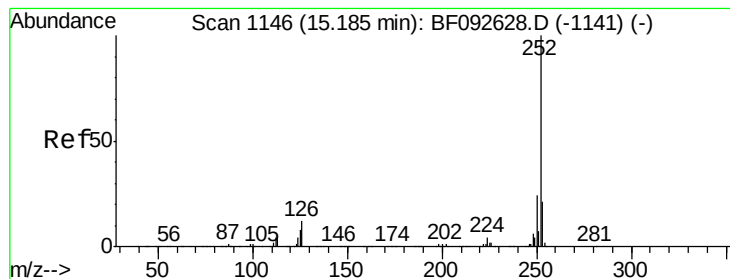
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1165  
 Delta R.T. -0.05 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 23.0  | 17.4  | 26.0  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 83.53 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA\_F

ClientSampleId :

E2-B1-BASE-3DL

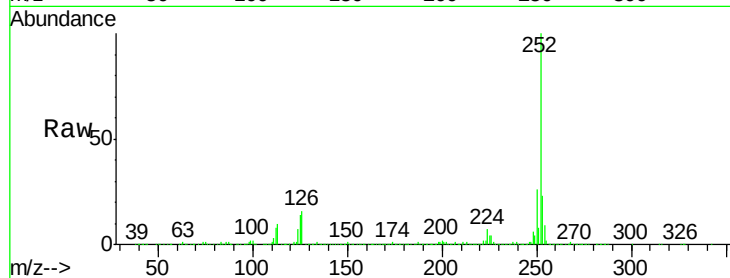
Tgt Ion:252 Resp: 1189586

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

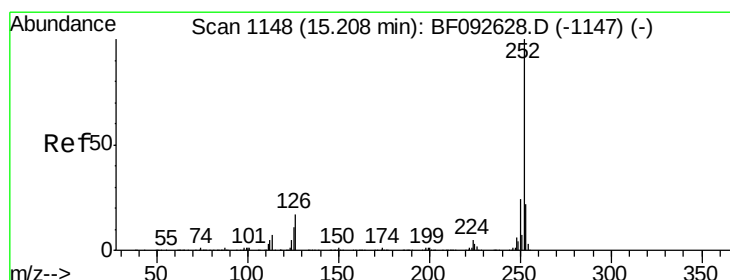
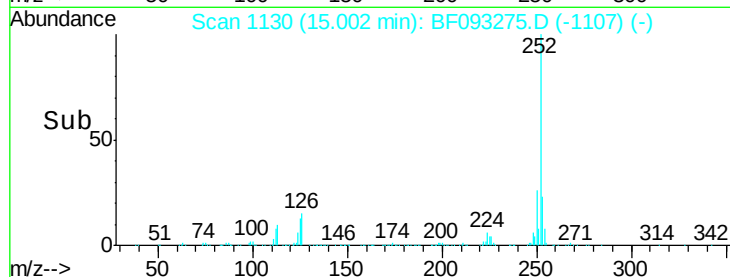
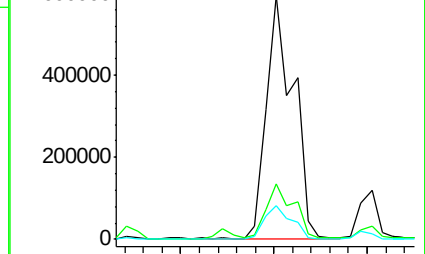
125 13.6 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.07 ng

RT: 15.11 min Scan# 1139

Delta R.T. 0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

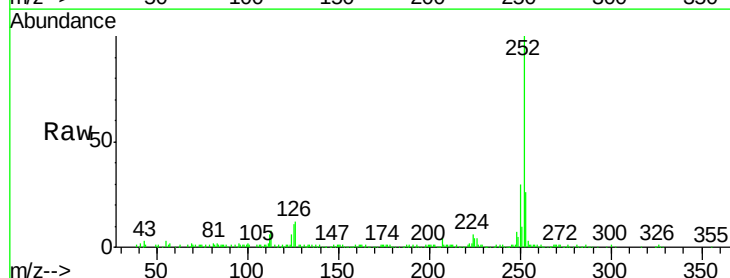
Tgt Ion:252 Resp: 160660

Ion Ratio Lower Upper

252 100

253 25.9 18.5 27.7

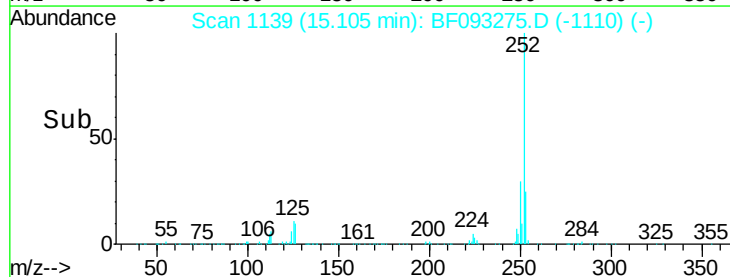
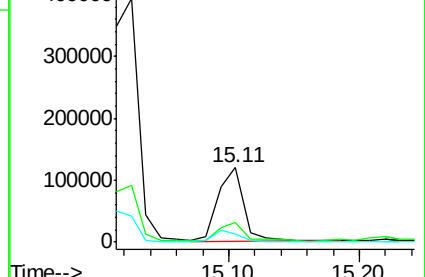
125 11.5 8.9 13.3

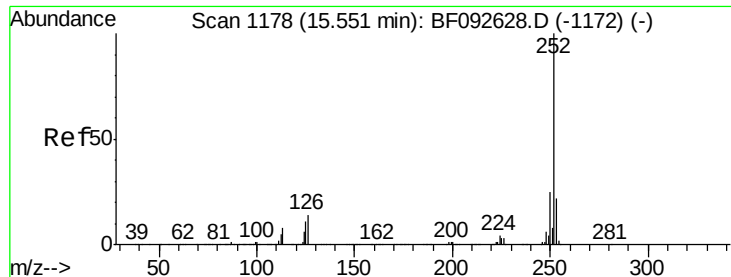


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

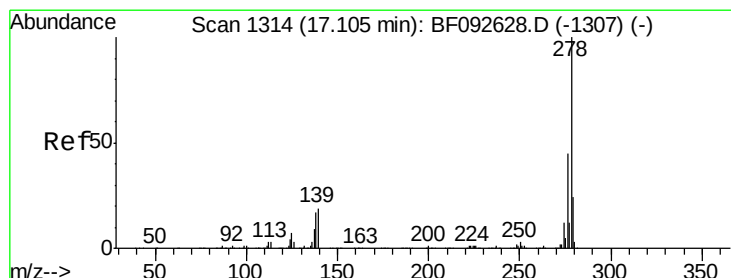
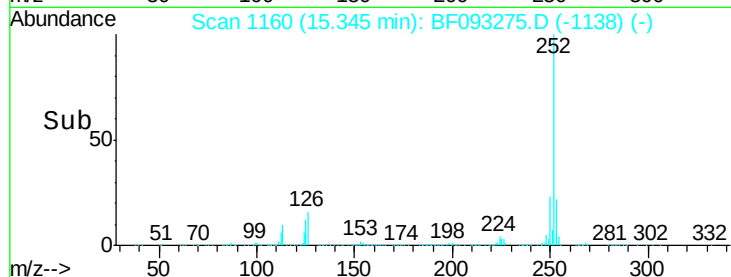
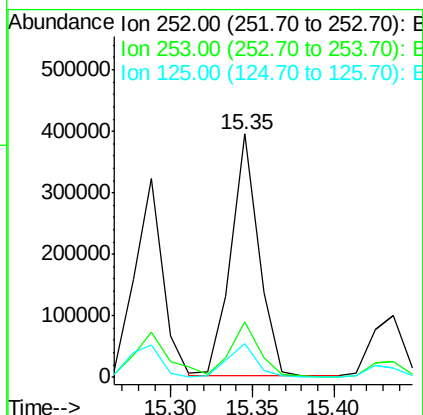
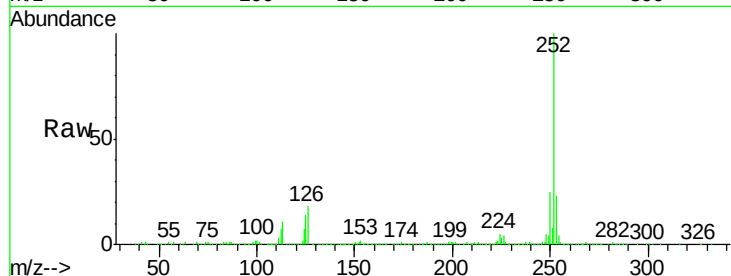




#89  
Benzo(a)pyrene  
Concen: 37.77 ng  
RT: 15.35 min Scan# 1160  
Delta R.T. -0.05 min  
Lab File: BF093275.D  
Acq: 1 Mar 2017 5:58

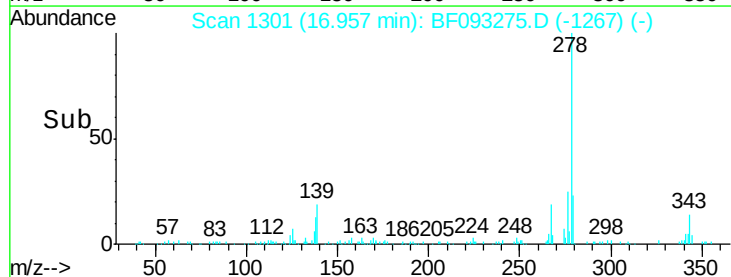
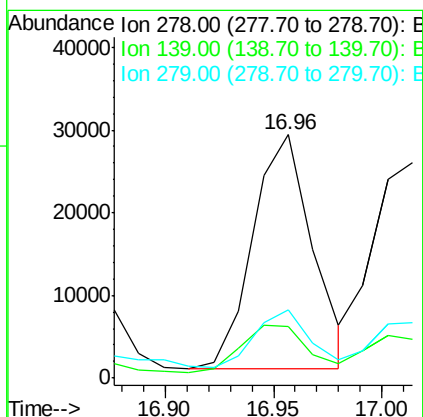
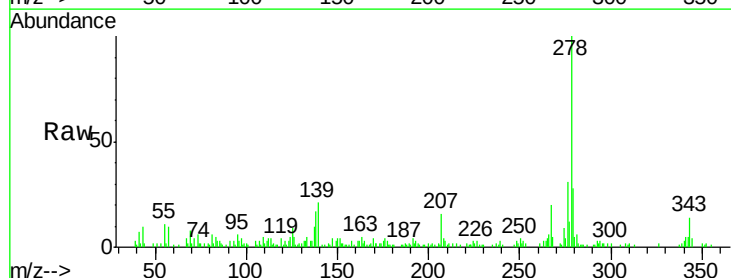
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-BASE-3DL

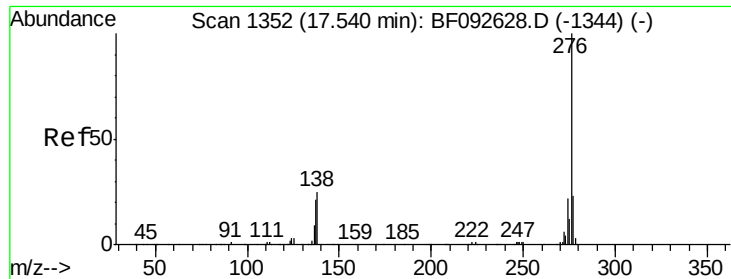
Tgt Ion:252 Resp: 465239  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.2  
125 13.8 10.0 15.0



#90  
Dibenzo(a,h)anthracene  
Concen: 5.45 ng  
RT: 16.96 min Scan# 1301  
Delta R.T. 0.09 min  
Lab File: BF093275.D  
Acq: 1 Mar 2017 5:58

Tgt Ion:278 Resp: 54269  
Ion Ratio Lower Upper  
278 100  
139 21.0 14.8 22.2  
279 28.1 19.8 29.6





#91  
 Benzo(g,h,i)perylene  
 Concen: 23.37 ng  
 RT: 17.22 min Scan# 1324  
 Delta R.T. -0.07 min  
 Lab File: BF093275.D  
 Acq: 1 Mar 2017 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-BASE-3DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.2  | 28.8  |
| 138     | 28.2  | 16.0  | 24.0  |

