

Data File : BF093127.D  
Acq On : 24 Feb 2017 1:52  
Operator : SJ/MA  
Sample : I1955-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B1-3

Quant Time: Feb 24 02:38:54 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 | 6.84  | 152  | 157087   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.13  | 136  | 583640   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.88  | 164  | 236747   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 339987   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.01 | 240  | 314692   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.44 | 264  | 268182   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.44  | 112 | 1120066 | 122.33 | ng | -0.01 |
| 7) Phenol-d6                | 6.49  | 99  | 1418310 | 120.39 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.41  | 82  | 851075  | 81.20  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330 | 204211  | 119.26 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.21  | 172 | 1268941 | 97.10  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.95 | 244 | 682416  | 50.95  | ng | -0.02 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 9) Benzaldehyde                | 6.38  | 77  | 20946  | 2.48  | ng | 86     |
| 10) Phenol                     | 6.50  | 94  | 93239  | 6.76  | ng | # 68   |
| 15) Benzyl Alcohol             | 7.00  | 79  | 18314  | 2.10  | ng | # 31   |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70  | 120418 | 16.06 | ng | # 79   |
| 25) Isophorone                 | 7.41  | 82  | 631918 | 32.36 | ng | # 65   |
| 31) Naphthalene                | 8.16  | 128 | 263759 | 8.91  | ng | 98     |
| 32) Benzoic acid               | 7.92  | 122 | 5481   | 8.08  | ng | # 30   |
| 33) 4-Chloroaniline            | 8.16  | 127 | 34773  | 3.00  | ng | # 40   |
| 49) Dimethylphthalate          | 9.60  | 163 | 89251  | 5.60  | ng | 98     |
| 64) 4,6-Dinitro-2-methylphenol | 10.67 | 198 | 920    | 3.09  | ng | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248 | 15513  | 4.37  | ng | # 1    |
| 70) Phenanthrene               | 11.39 | 178 | 341050 | 17.51 | ng | 97     |
| 71) Anthracene                 | 11.44 | 178 | 112933 | 5.77  | ng | 97     |
| 73) Di-n-butylphthalate        | 11.93 | 149 | 84451  | 4.18  | ng | # 97   |
| 74) Fluoranthene               | 12.58 | 202 | 666373 | 33.17 | ng | 97     |
| 77) Pyrene                     | 12.81 | 202 | 680571 | 28.90 | ng | 99     |
| 80) Benzo(a)anthracene         | 14.00 | 228 | 472172 | 24.53 | ng | 98     |
| 82) Chrysene                   | 14.03 | 228 | 341322 | 18.94 | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.83 | 276 | 221485 | 15.87 | ng | 98     |
| 87) Benzo(b)fluoranthene       | 15.03 | 252 | 758003 | 42.94 | ng | # 97   |
| 88) Benzo(k)fluoranthene       | 15.03 | 252 | 758003 | 49.73 | ng | # 96   |
| 89) Benzo(a)pyrene             | 15.38 | 252 | 437683 | 28.67 | ng | 99     |
| 90) Dibenzo(a,h)anthracene     | 17.06 | 278 | 29253  | 2.37  | ng | 92     |
| 91) Benzo(g,h,i)perylene       | 17.27 | 276 | 219673 | 17.62 | ng | # 94   |

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

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Instrument :

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ClientSampleId :

B1-3

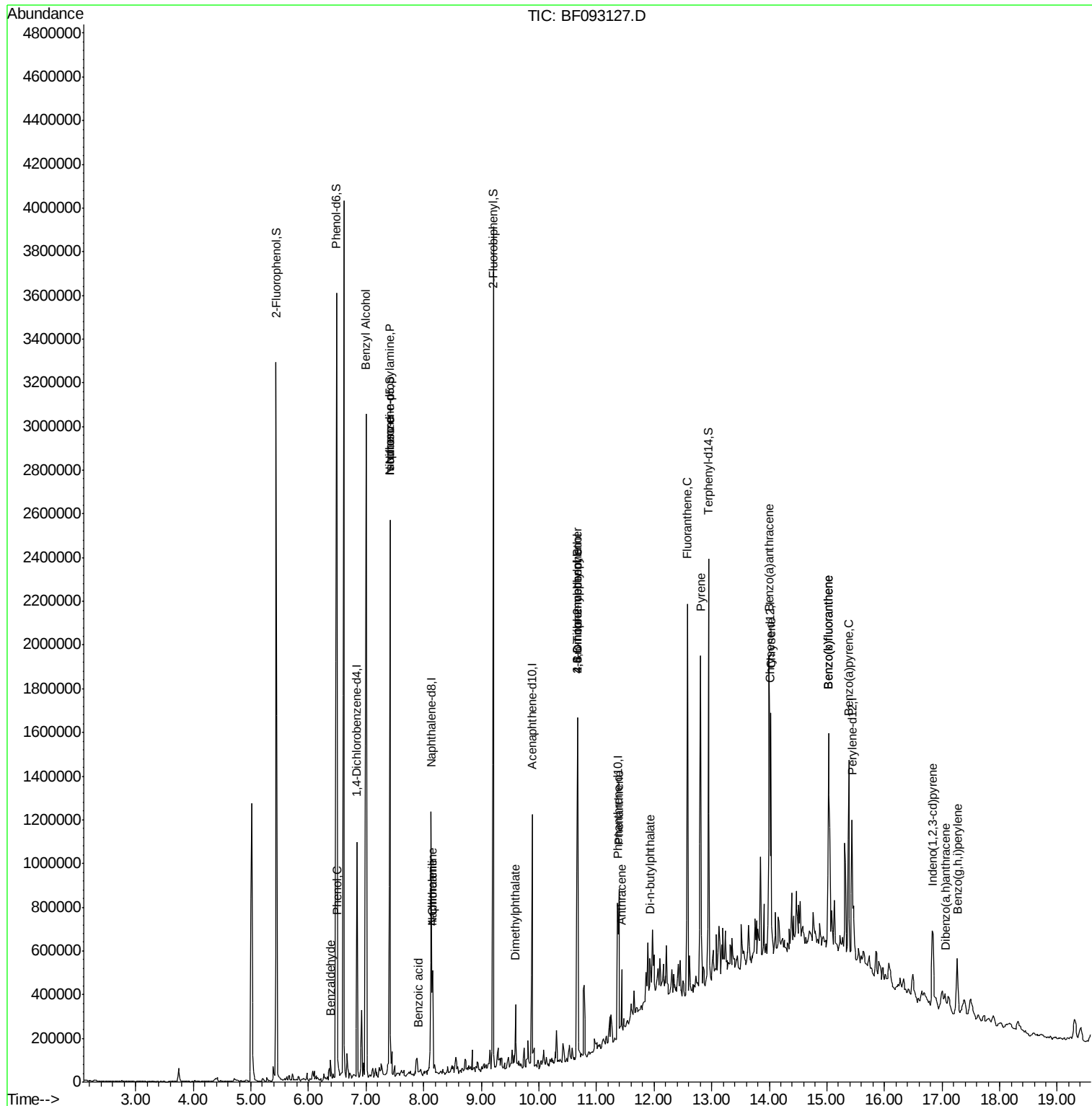
Quant Time: Feb 24 02:38:54 2017

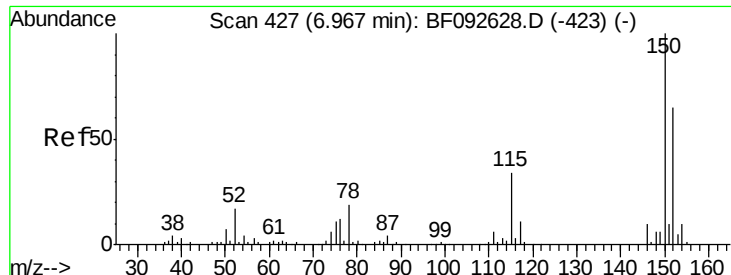
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

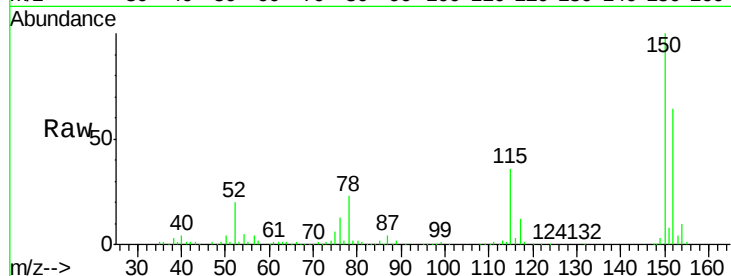
Tgt Ion:152 Resp: 157087

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

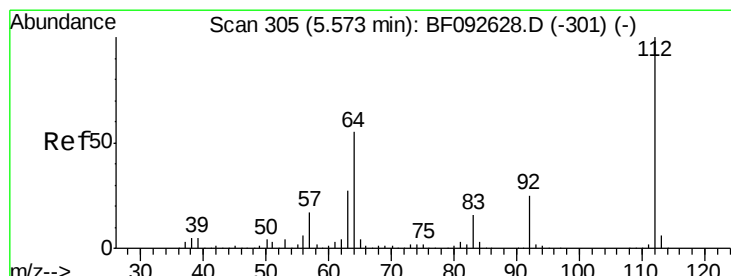
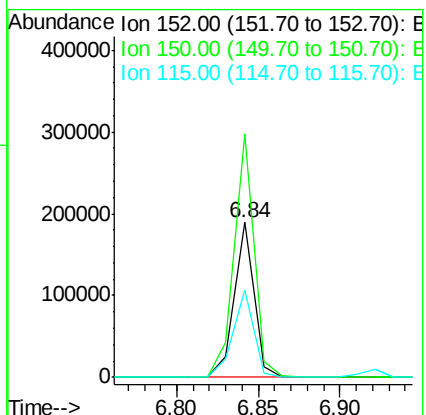
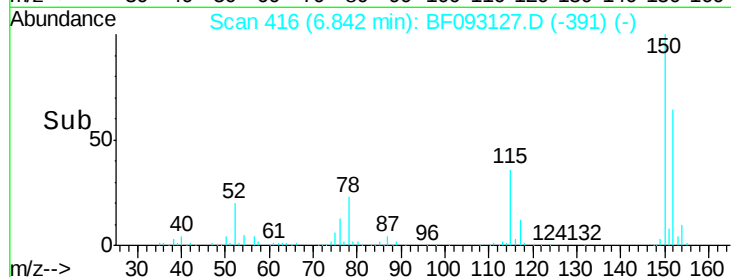
115 56.4 46.0 69.0



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: 122.33 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

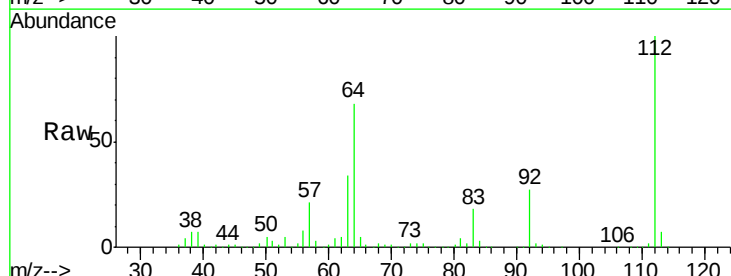
Tgt Ion:112 Resp: 1120066

Ion Ratio Lower Upper

112 100

64 68.3 46.1 69.1

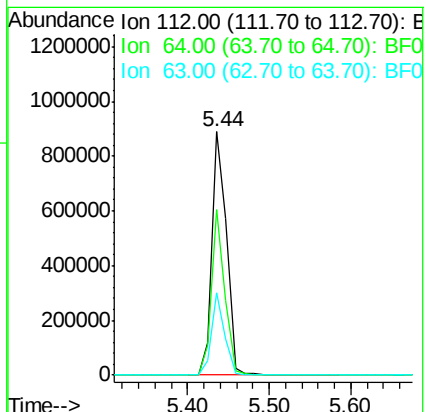
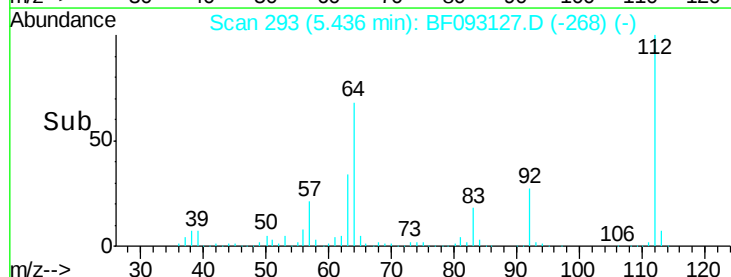
63 33.6 23.8 35.6

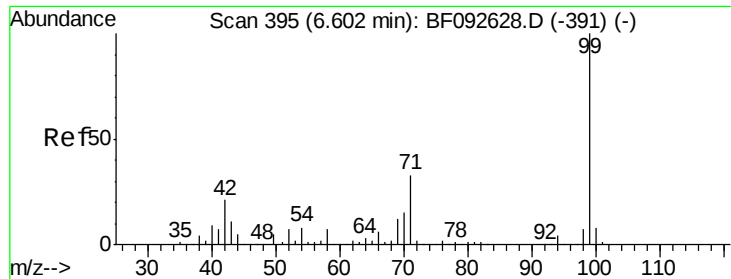


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.39 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

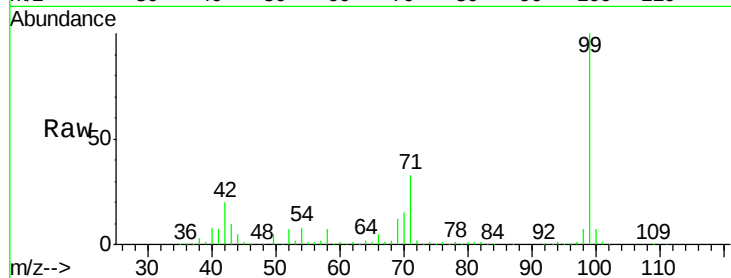
Tgt Ion: 99 Resp: 1418310

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

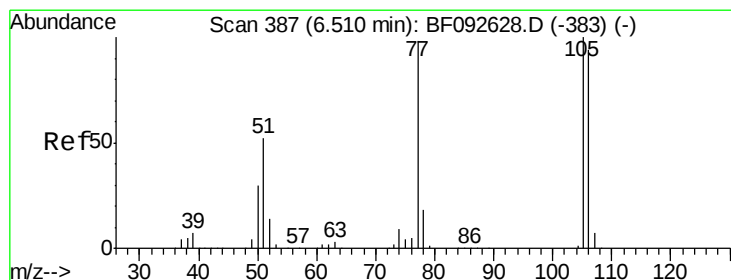
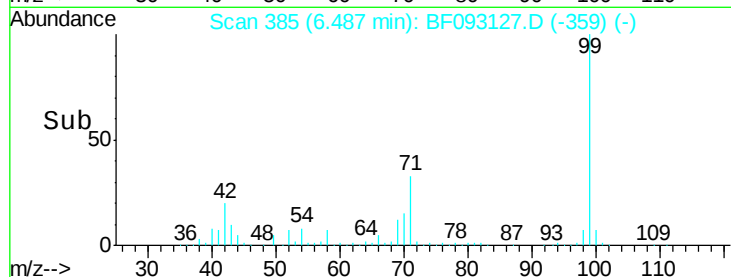
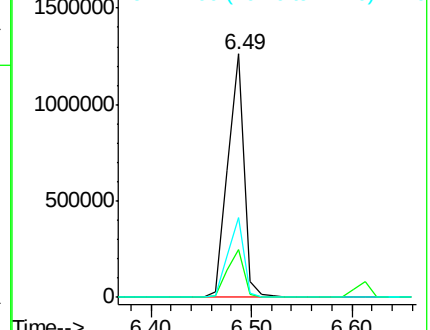
71 32.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.48 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

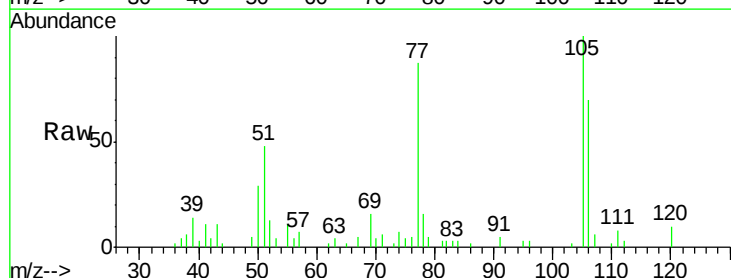
Tgt Ion: 77 Resp: 20946

Ion Ratio Lower Upper

77 100

105 115.0 83.9 123.9

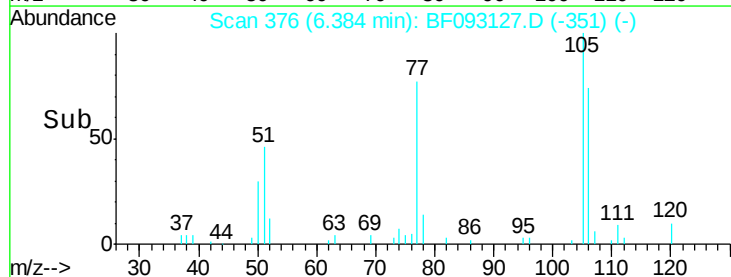
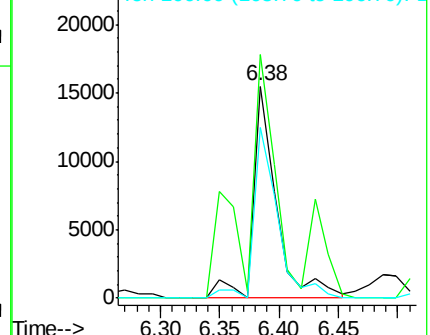
106 80.7 77.6 117.6

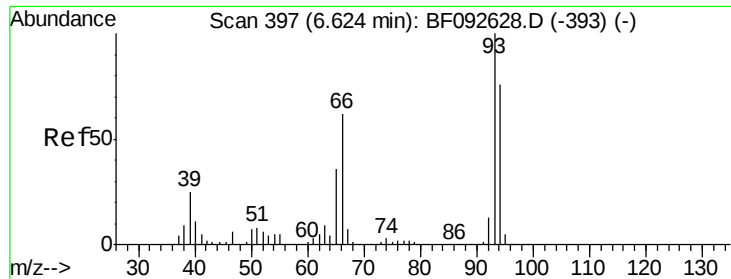


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 6.76 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

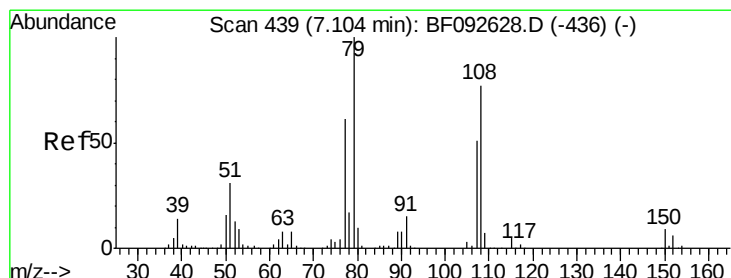
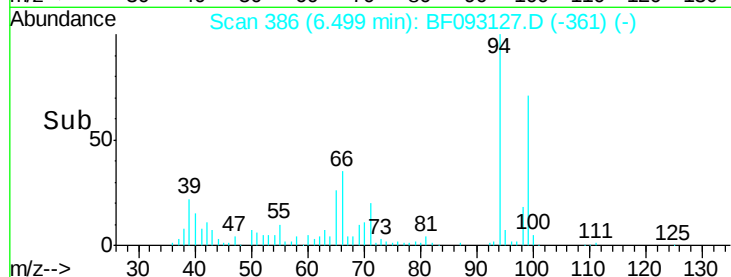
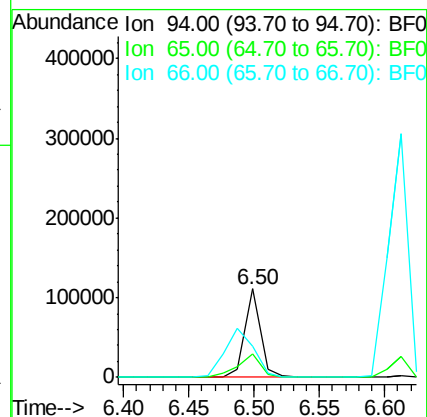
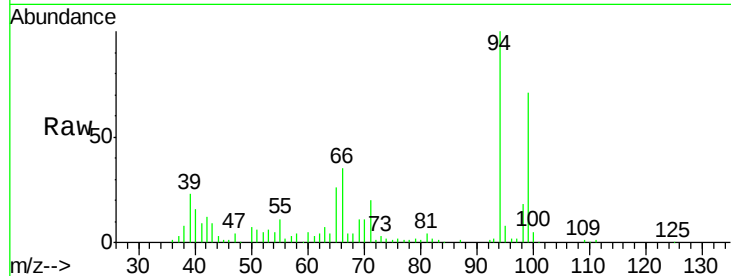
Tgt Ion: 94 Resp: 93239

Ion Ratio Lower Upper

94 100

65 26.0 21.4 61.4

66 34.9 44.0 84.0#



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

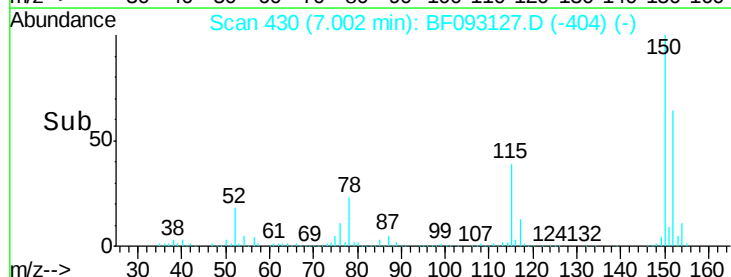
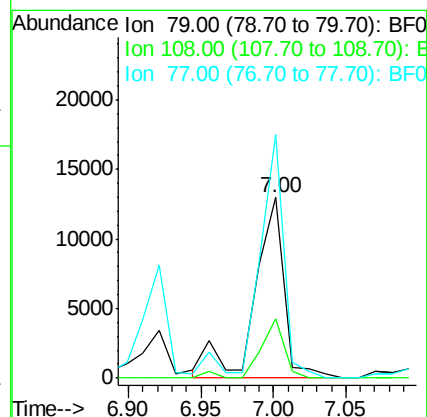
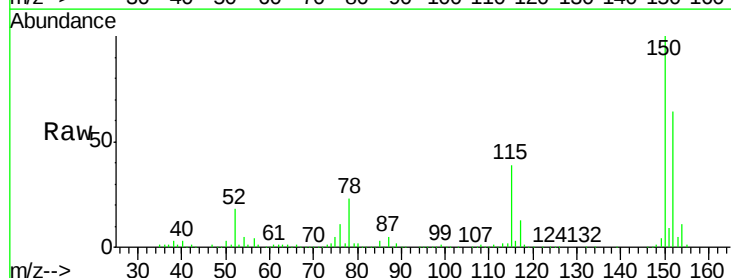
Tgt Ion: 79 Resp: 18314

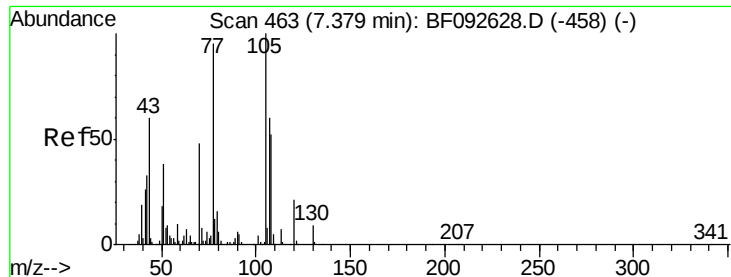
Ion Ratio Lower Upper

79 100

108 33.1 61.4 92.0#

77 135.0 50.9 76.3#

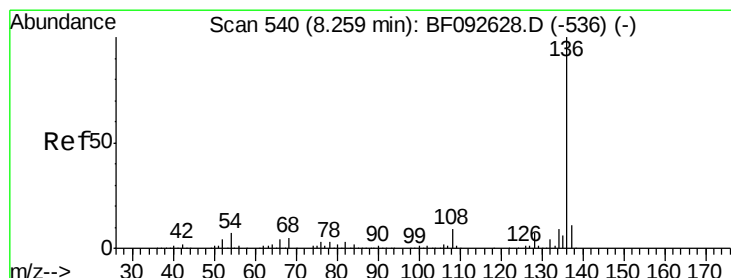
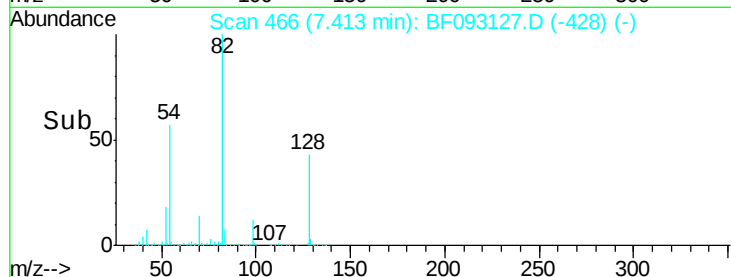
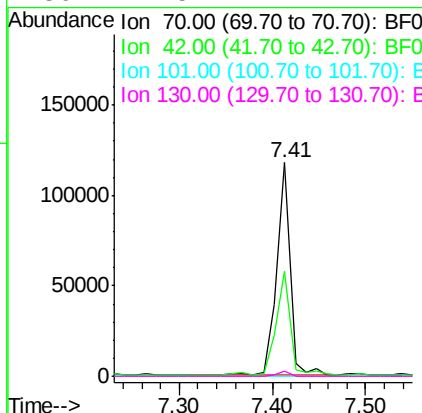
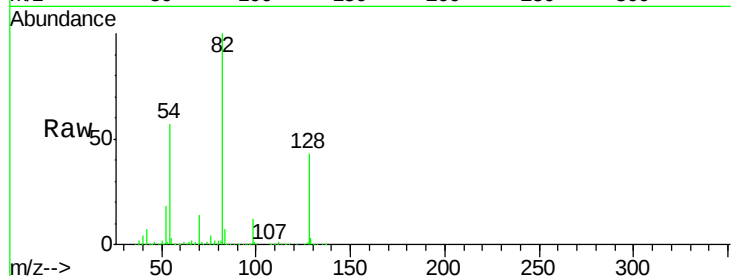




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.06 ng  
RT: 7.41 min Scan# 466  
Delta R.T. 0.14 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

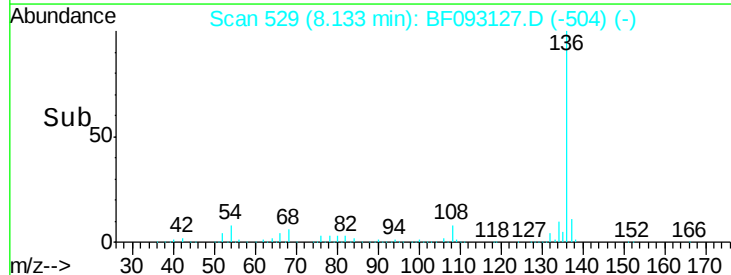
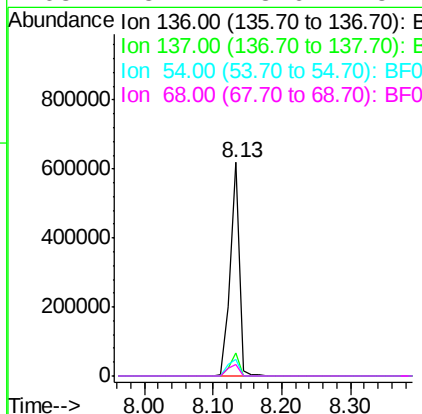
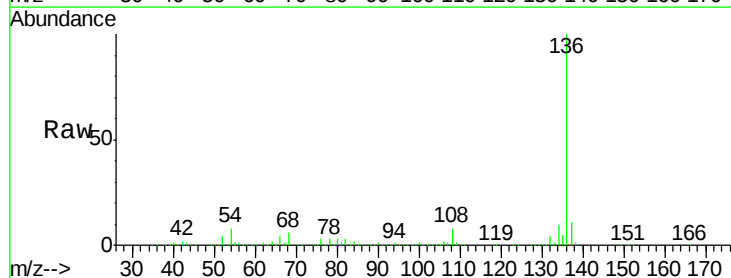
Instrument :  
BNA\_F  
ClientSampleId :  
B1-3

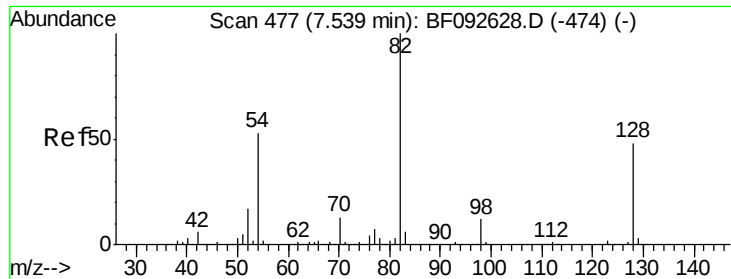
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 49.4  | 49.4  | 74.0  |
| 101     | 0.0   | 7.4   | 11.2# |
| 130     | 2.5   | 14.2  | 21.4# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.6  | 8.4   | 12.6  |
| 54      | 7.7   | 4.5   | 6.7#  |
| 68      | 5.7   | 3.6   | 5.4#  |

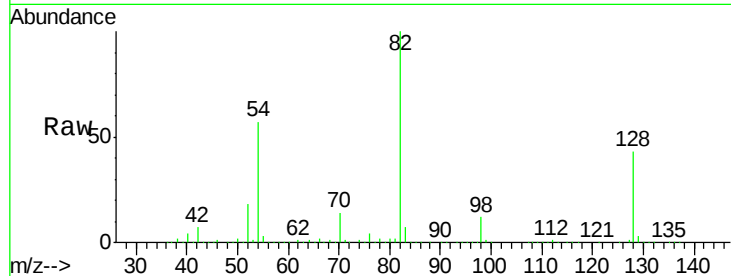




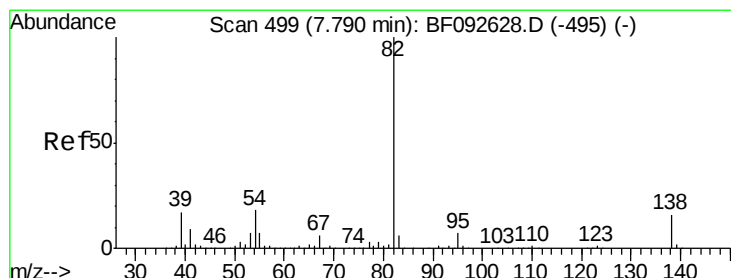
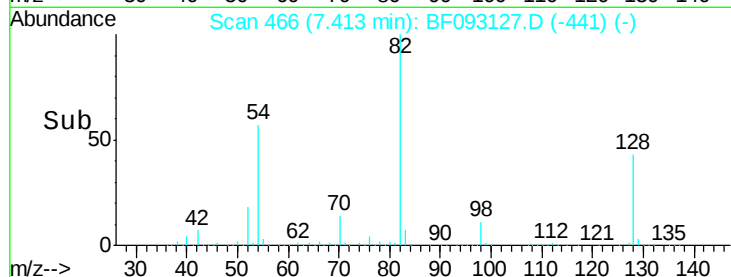
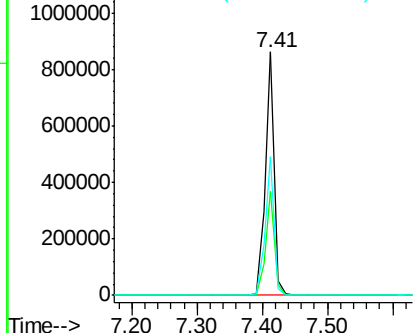
#23  
 Nitrobenzene-d5  
 Concen: 81.20 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

Instrument :  
 BNA\_F  
 ClientSampled :  
 B1-3

Tgt Ion: 82 Resp: 851075  
 Ion Ratio Lower Upper  
 82 100  
 128 42.9 34.6 52.0  
 54 56.9 39.5 59.3

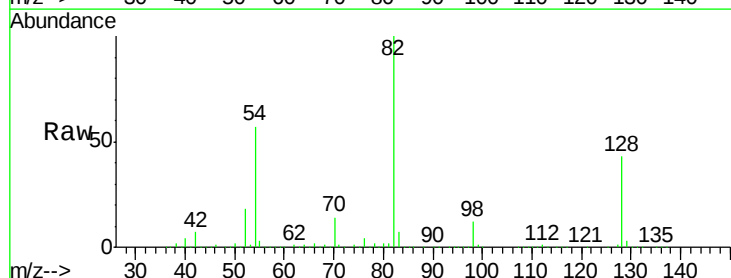


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

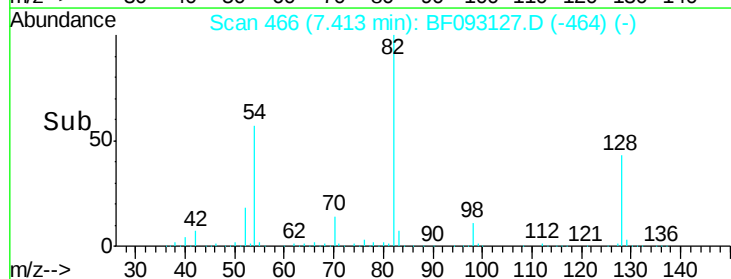
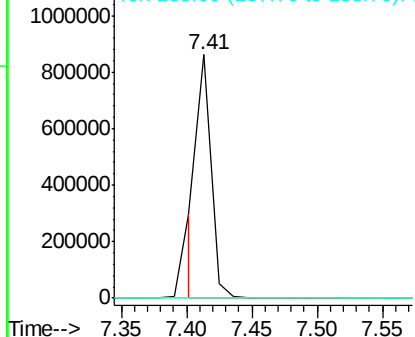


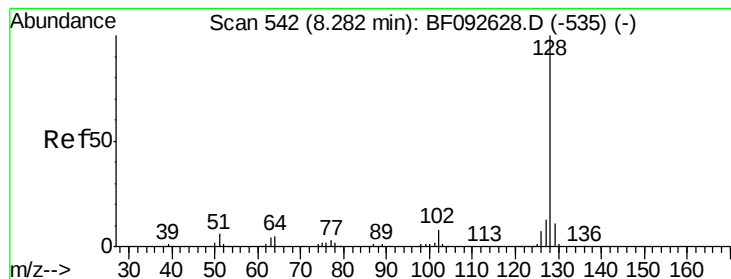
#25  
 Isophorone  
 Concen: 32.36 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.27 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

Tgt Ion: 82 Resp: 631918  
 Ion Ratio Lower Upper  
 82 100  
 95 0.2 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: 8.91 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

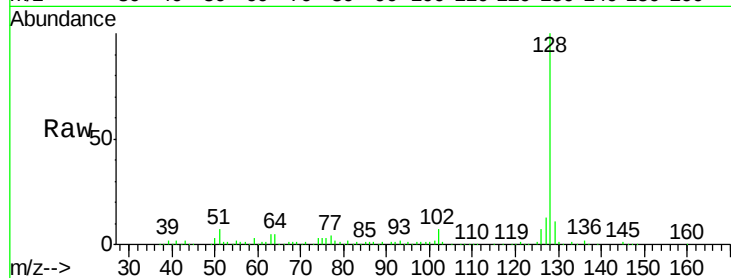
Tgt Ion:128 Resp: 263759

Ion Ratio Lower Upper

128 100

129 10.6 9.5 14.3

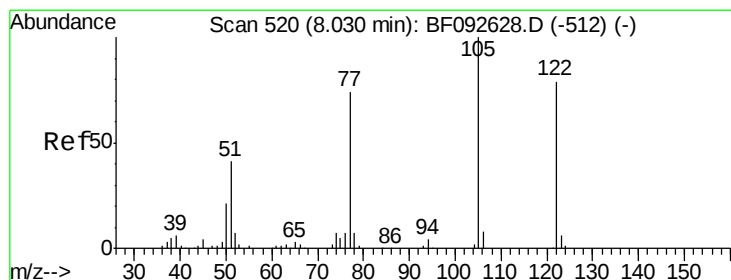
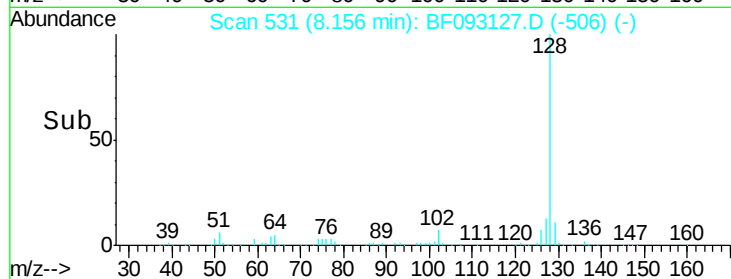
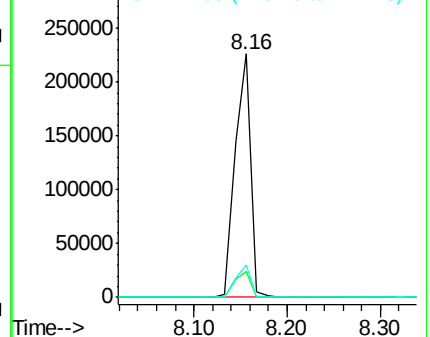
127 13.1 10.8 16.2



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: 8.08 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

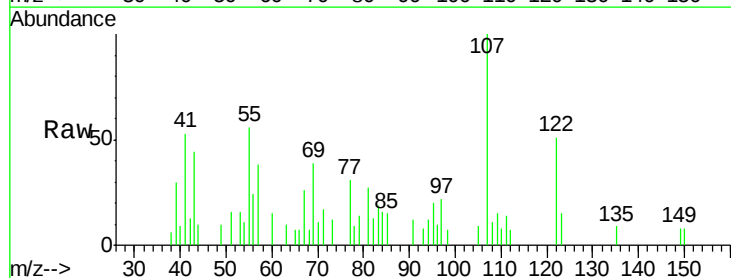
Tgt Ion:122 Resp: 5481

Ion Ratio Lower Upper

122 100

105 17.6 107.2 147.2#

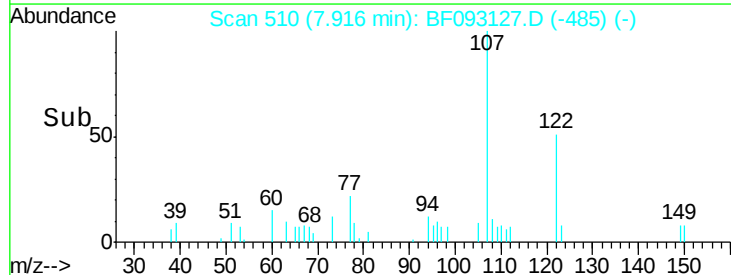
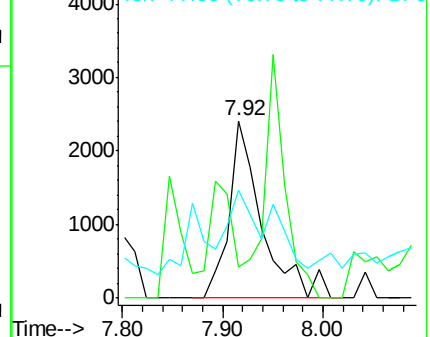
77 60.7 74.5 114.5#

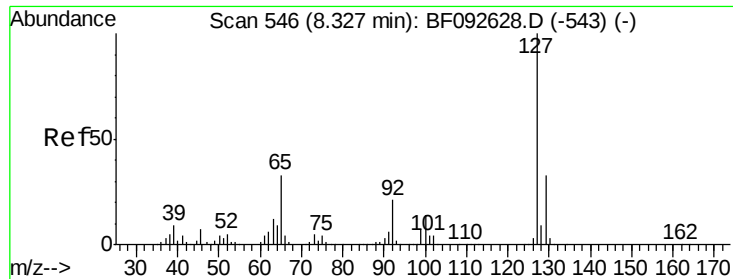


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

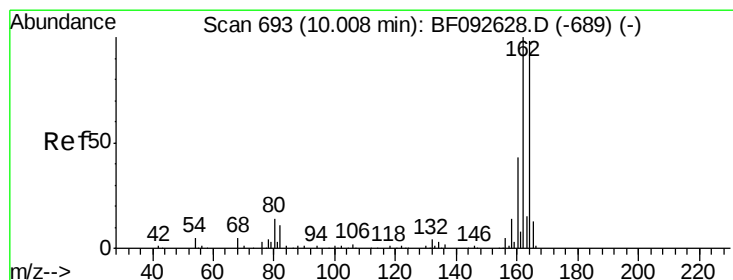
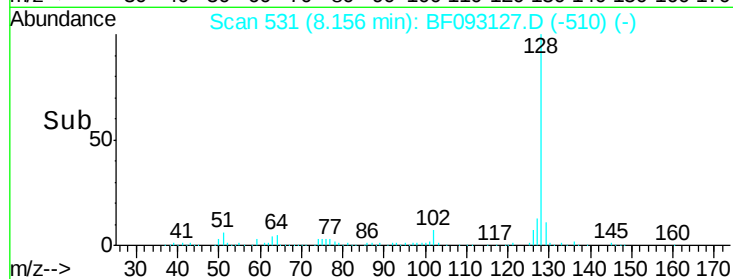
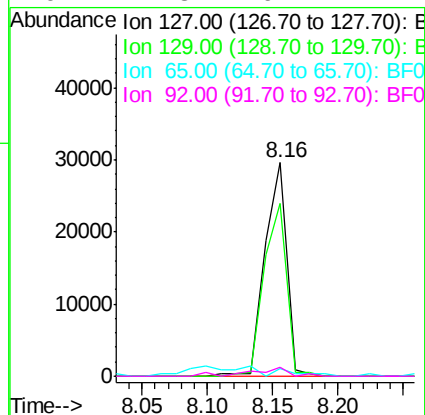
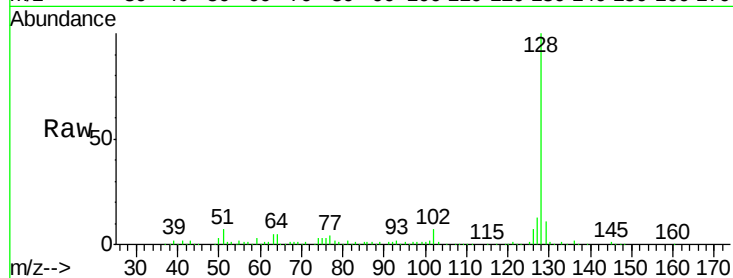




#33  
 4-Chloroaniline  
 Concen: 3.00 ng  
 RT: 8.16 min Scan# 531  
 Delta R.T. -0.06 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

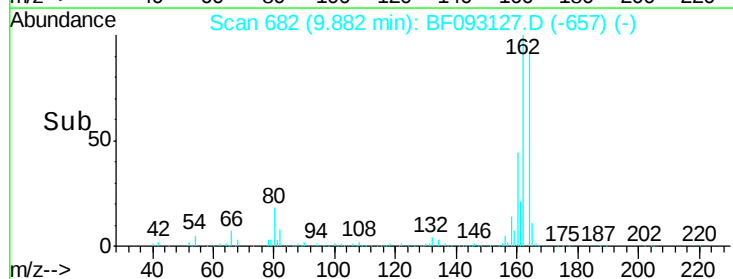
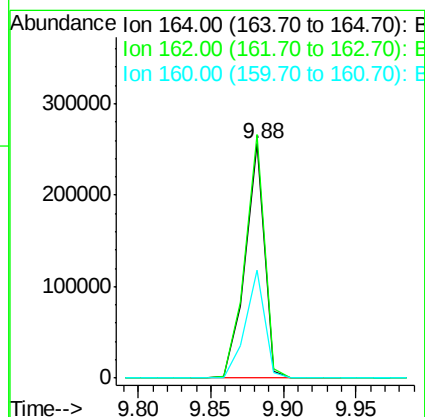
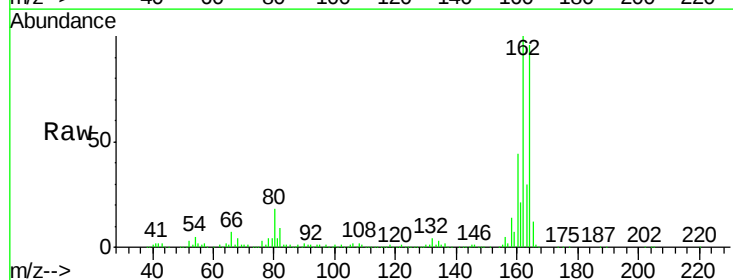
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1-3

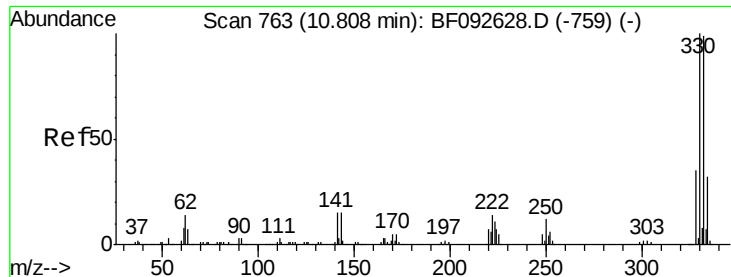
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 34773 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 80.9  | 26.3  | 39.5# |
| 65       | 3.4   | 25.8  | 38.8# |
| 92       | 4.3   | 16.1  | 24.1# |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 236747 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 104.0 | 80.2  | 120.2  |
| 160      | 45.8  | 36.9  | 55.3   |

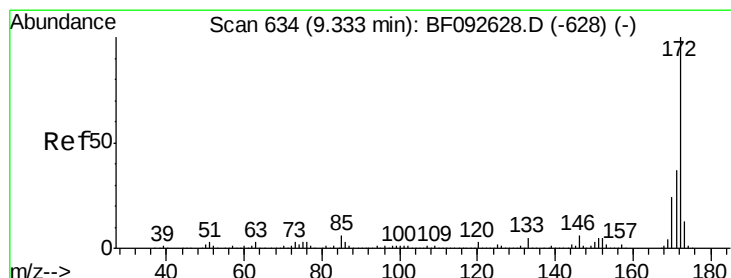
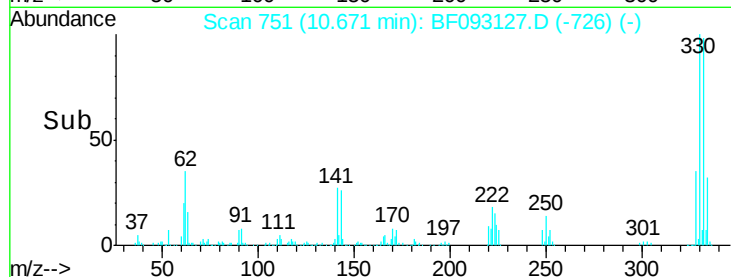
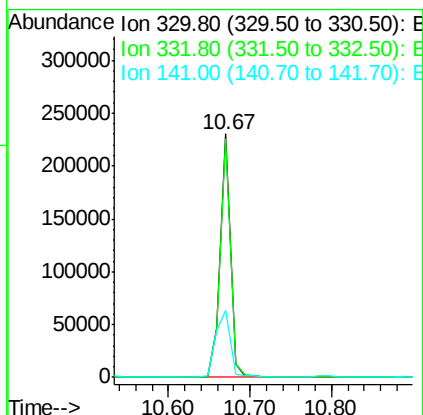
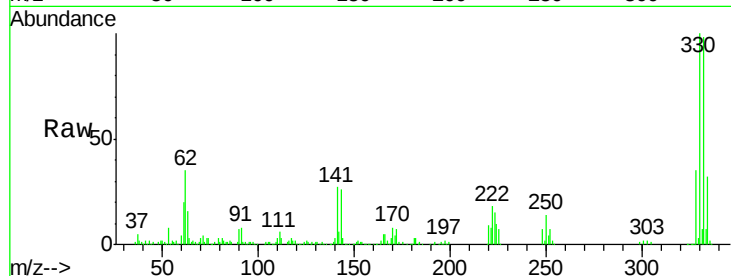




#41  
 2,4,6-Tribromophenol  
 Concen: 119.26 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

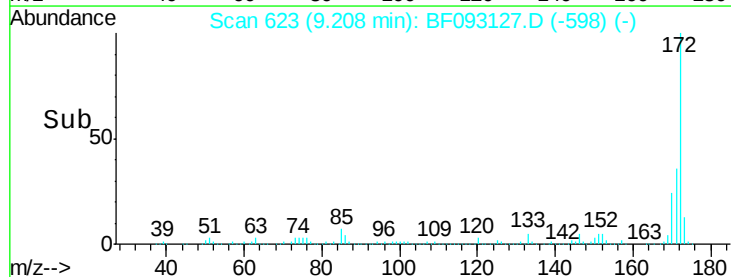
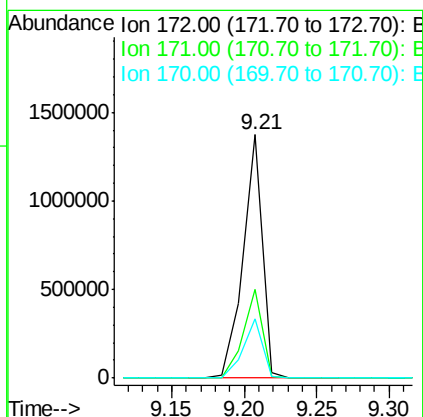
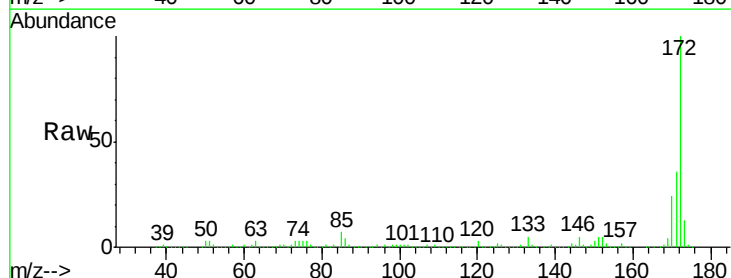
Instrument :  
 BNA\_F  
 ClientSampled :  
 B1-3

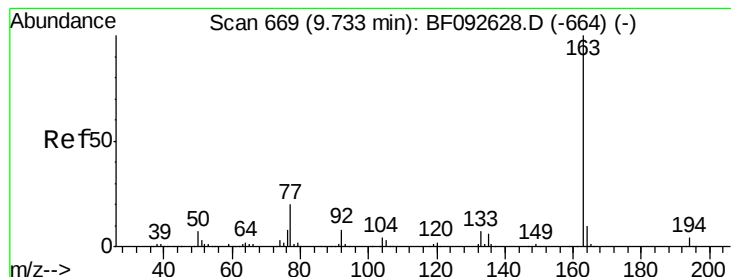
Tgt Ion: 330 Resp: 204211  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.4 116.2  
 141 38.6 34.1 51.1



#44  
 2-Fluorobiphenyl  
 Concen: 97.10 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF093127.D  
 Acq: 24 Feb 2017 1:52

Tgt Ion: 172 Resp: 1268941  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.4 44.0  
 170 24.3 20.2 30.4





#49

Dimethylphthalate

Concen: 5.60 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampled :

B1-3

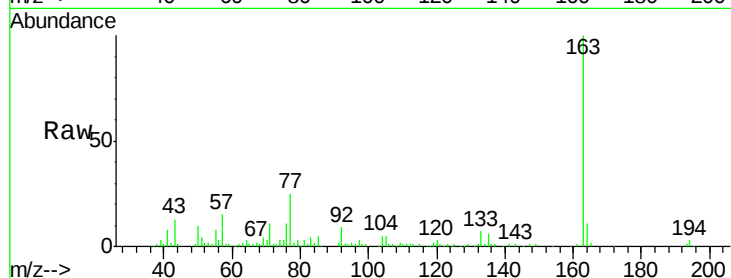
Tgt Ion:163 Resp: 89251

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

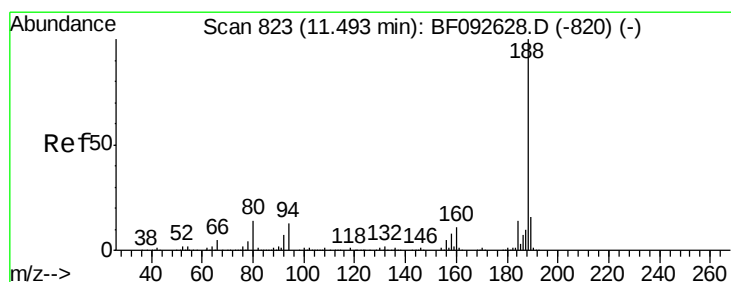
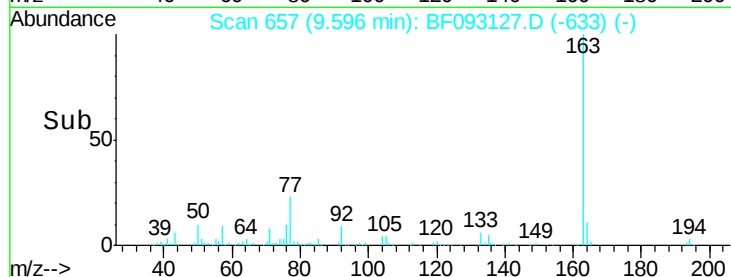
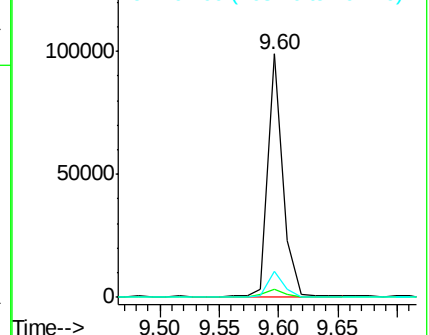
164 10.7 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

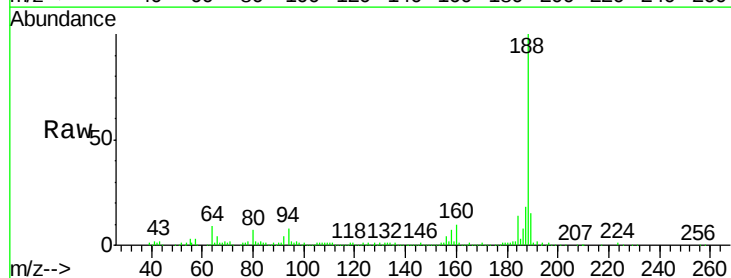
Tgt Ion:188 Resp: 339987

Ion Ratio Lower Upper

188 100

94 7.5 10.0 15.0#

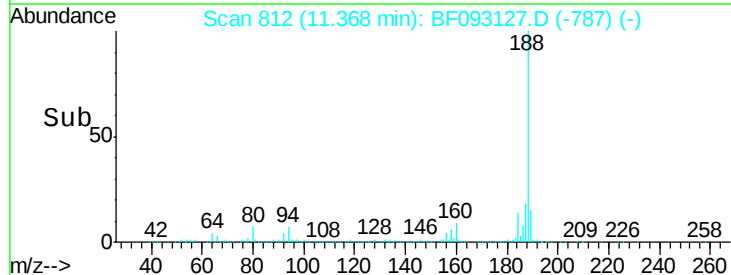
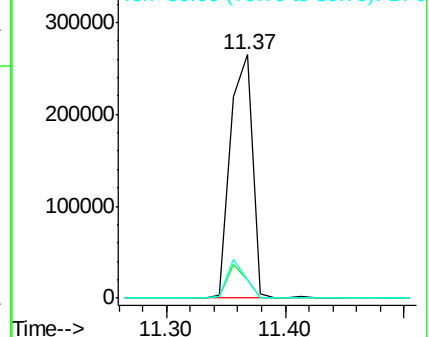
80 7.5 11.2 16.8#

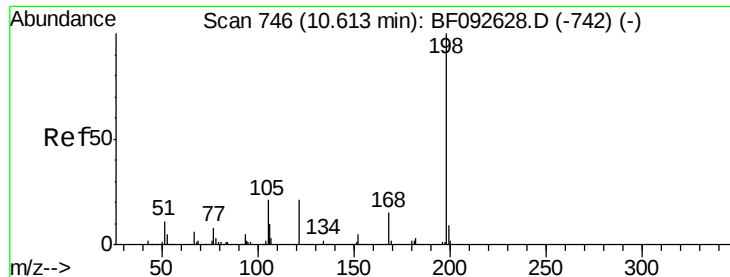


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.09 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

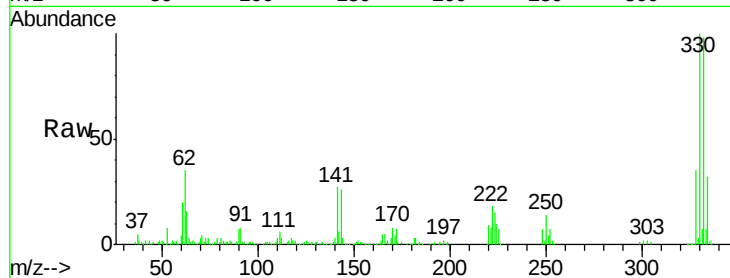
Tgt Ion:198 Resp: 920

Ion Ratio Lower Upper

198 100

51 243.2 6.7 46.7#

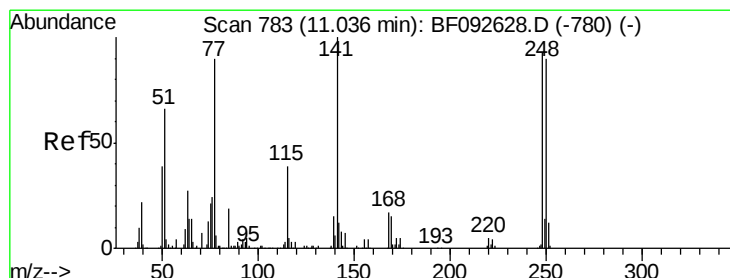
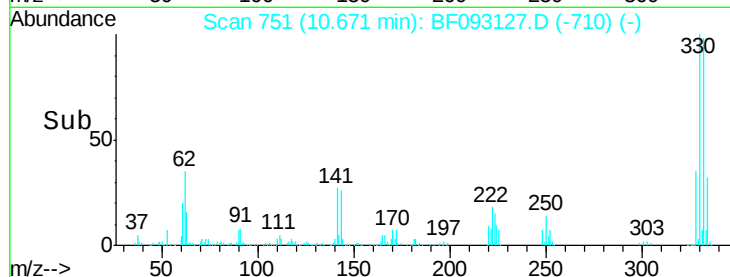
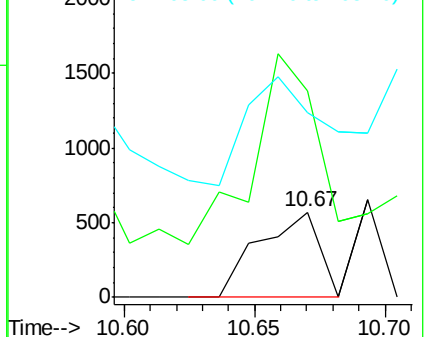
105 216.7 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.37 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

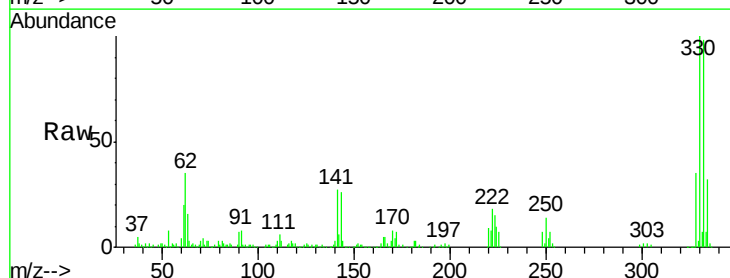
Tgt Ion:248 Resp: 15513

Ion Ratio Lower Upper

248 100

250 197.0 76.9 115.3#

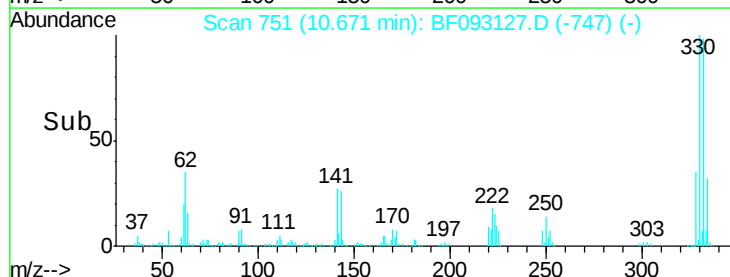
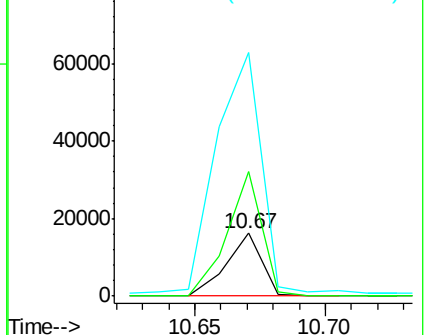
141 386.3 68.2 102.4#

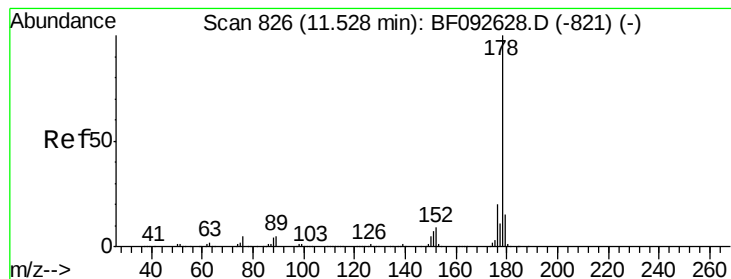


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 17.51 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

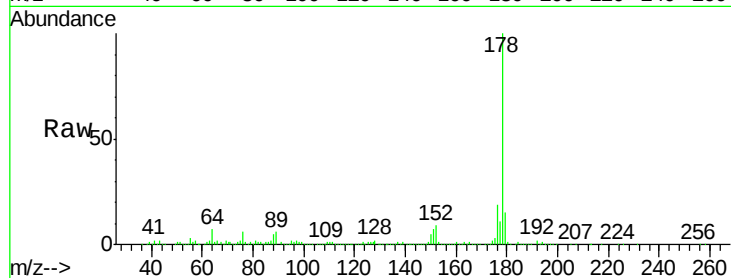
Tgt Ion:178 Resp: 341050

Ion Ratio Lower Upper

178 100

176 18.7 16.6 25.0

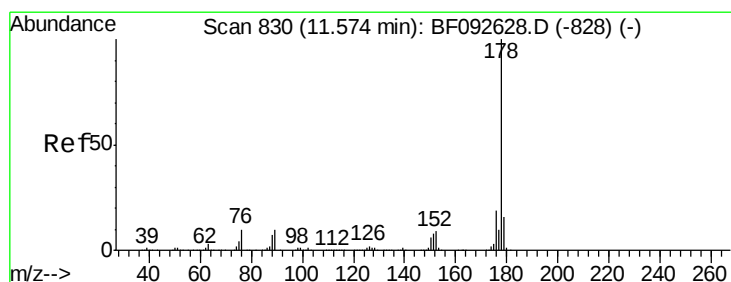
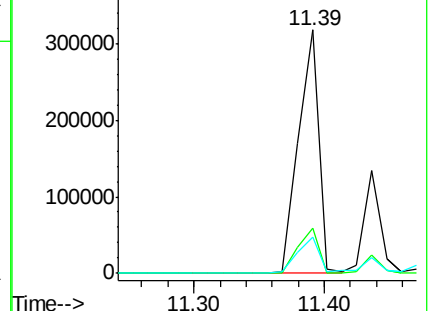
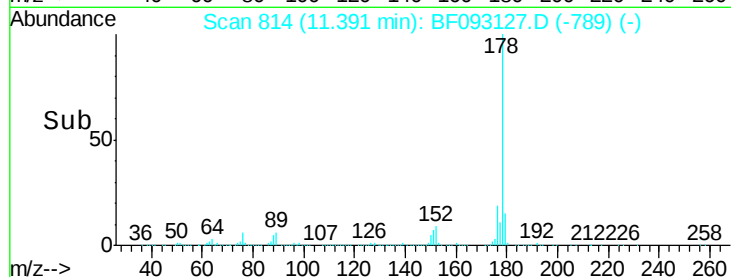
179 15.1 12.8 19.2



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: 5.77 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

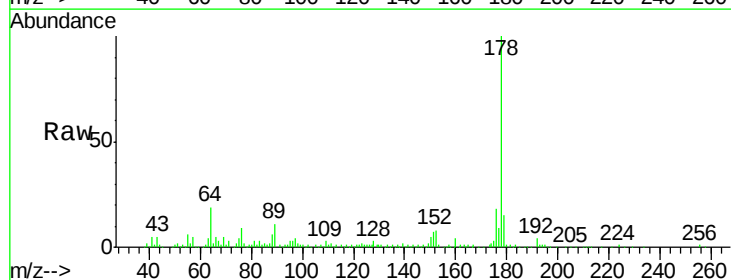
Tgt Ion:178 Resp: 112933

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

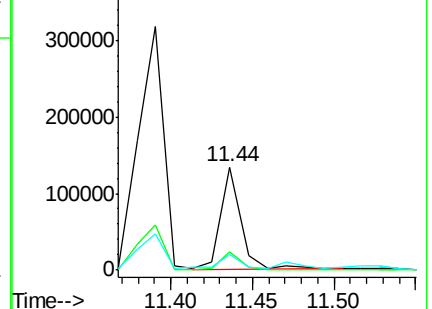
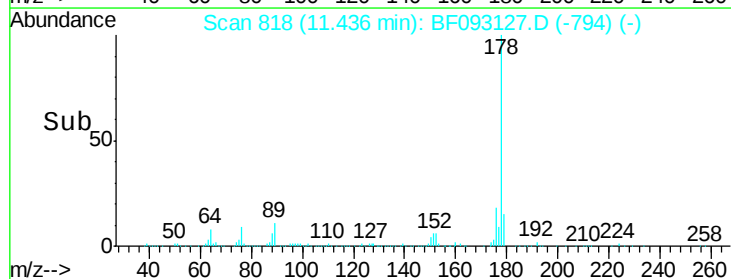
179 15.3 13.2 19.8

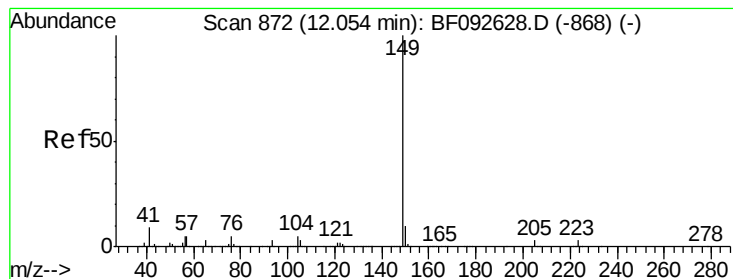


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 4.18 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

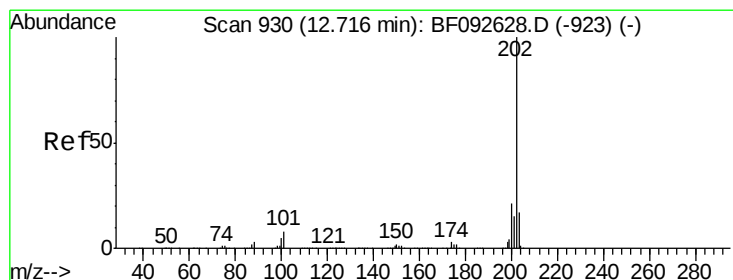
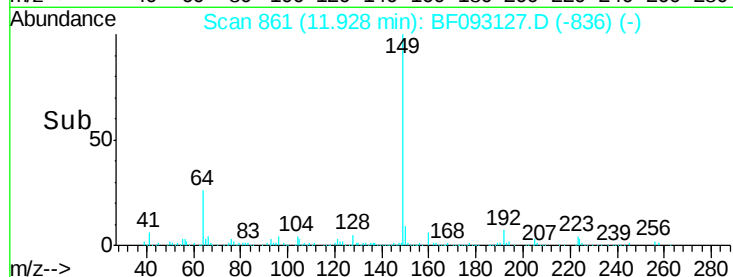
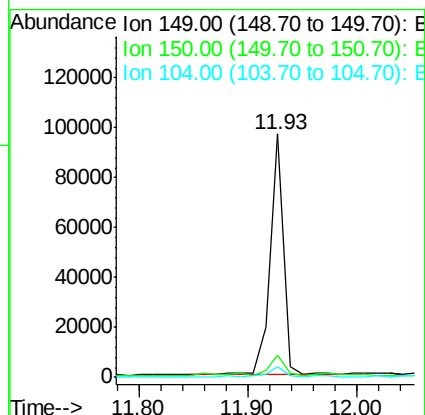
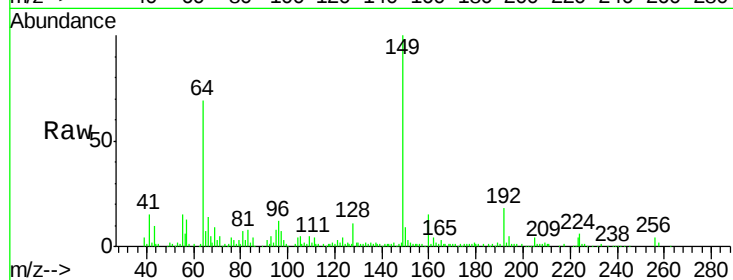
Tgt Ion:149 Resp: 84451

Ion Ratio Lower Upper

149 100

150 9.2 8.1 12.1

104 4.2 4.6 7.0#



#74

Fluoranthene

Concen: 33.17 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

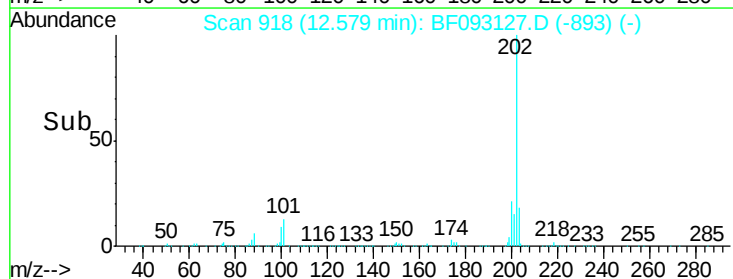
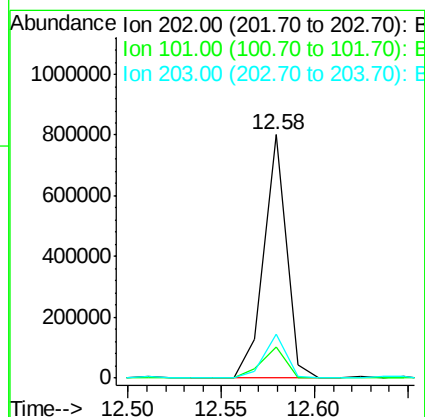
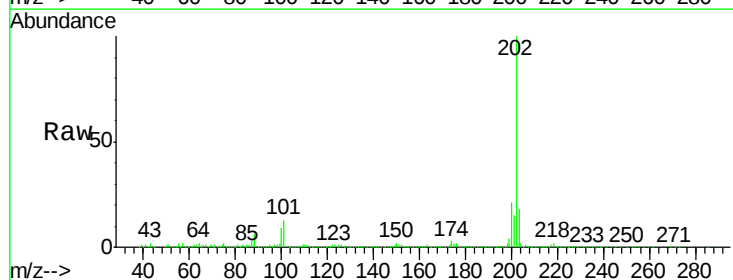
Tgt Ion:202 Resp: 666373

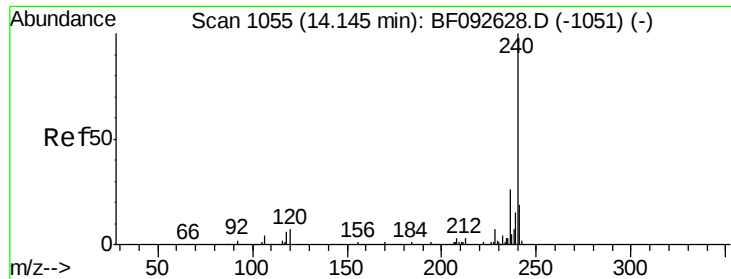
Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.6

203 17.9 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: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

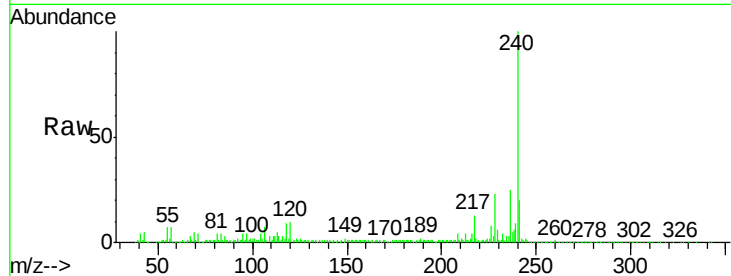
Tgt Ion:240 Resp: 314692

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

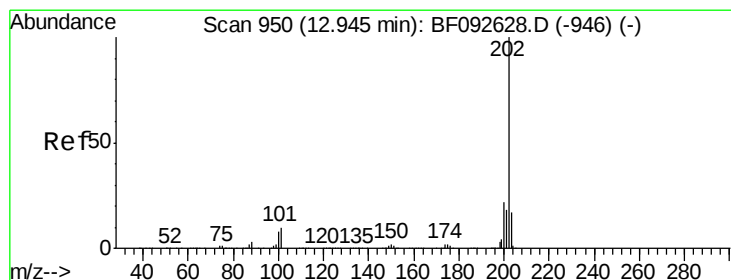
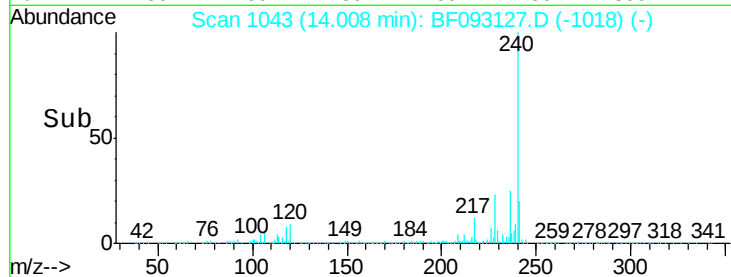
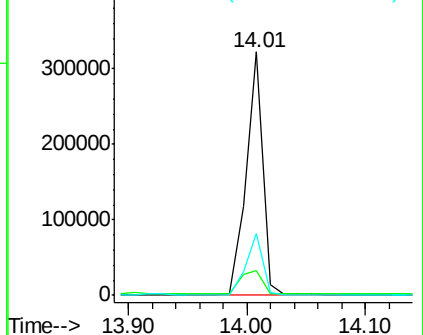
236 25.3 20.9 31.3



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: 28.90 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

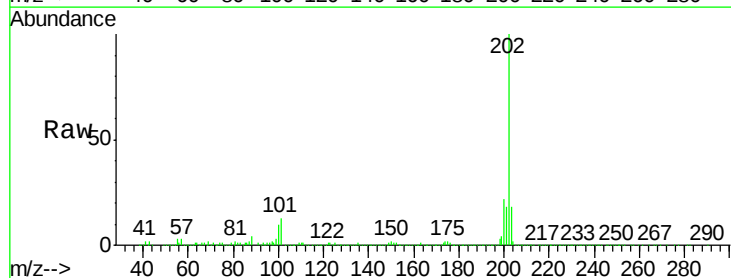
Tgt Ion:202 Resp: 680571

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

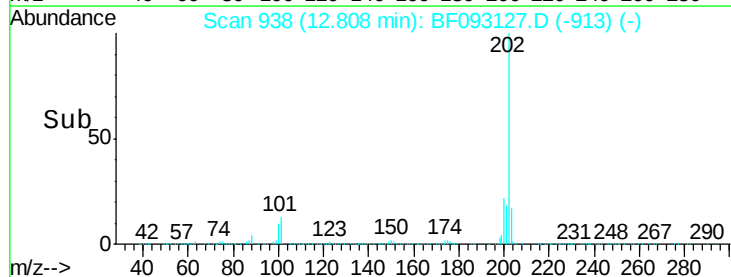
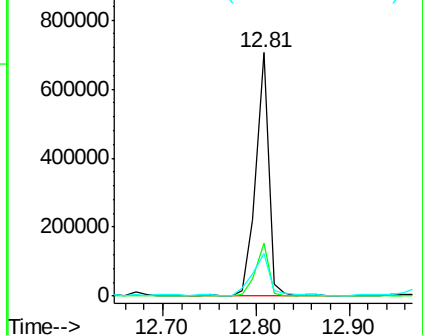
203 17.6 14.7 22.1

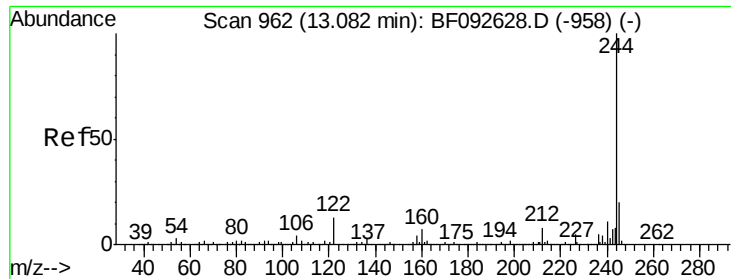


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.95 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampled :

B1-3

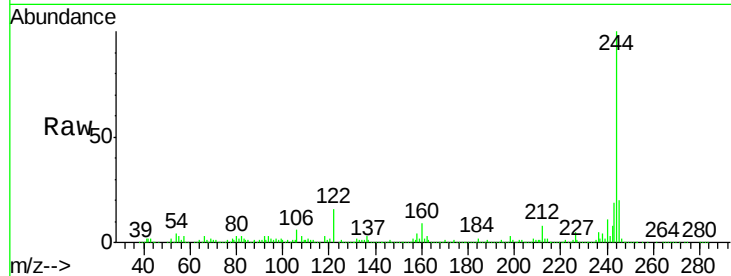
Tgt Ion:244 Resp: 682416

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

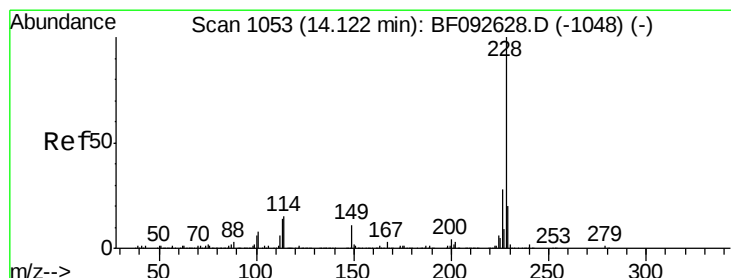
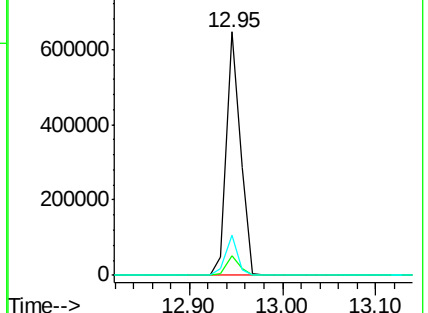
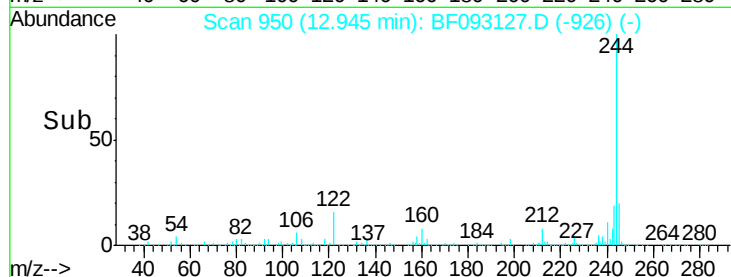
122 16.2 11.4 17.2



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: 24.53 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

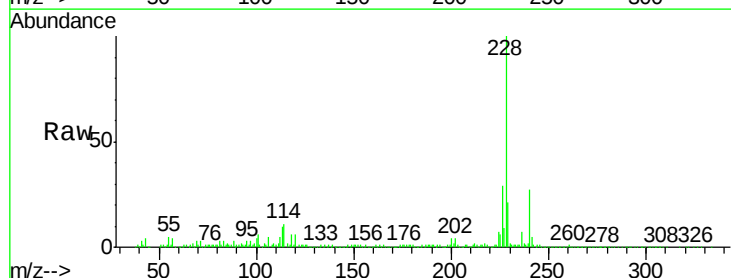
Tgt Ion:228 Resp: 472172

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

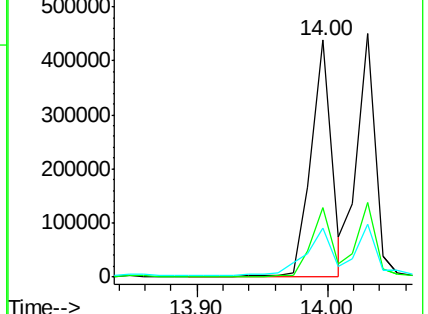
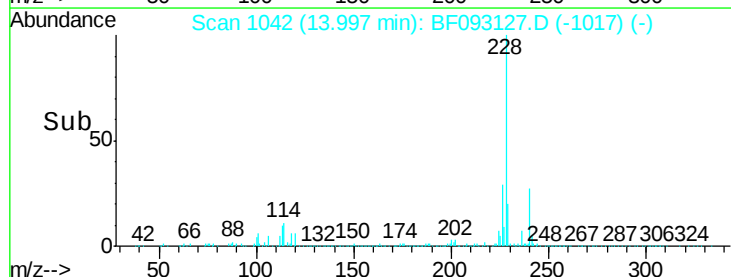
229 20.7 16.2 24.4

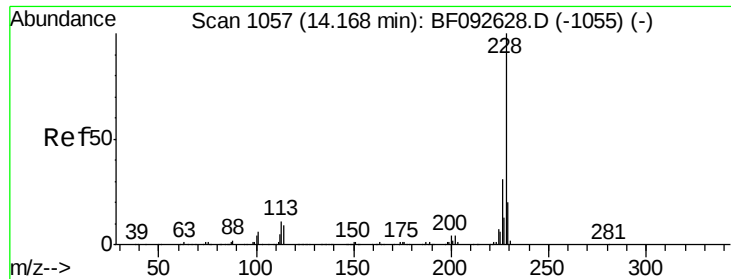


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.94 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

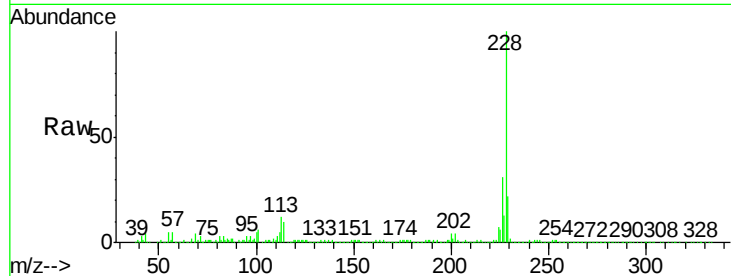
Tgt Ion:228 Resp: 341322

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

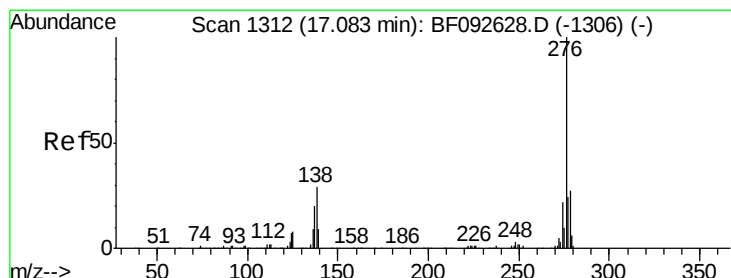
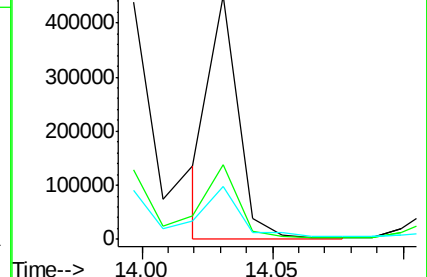
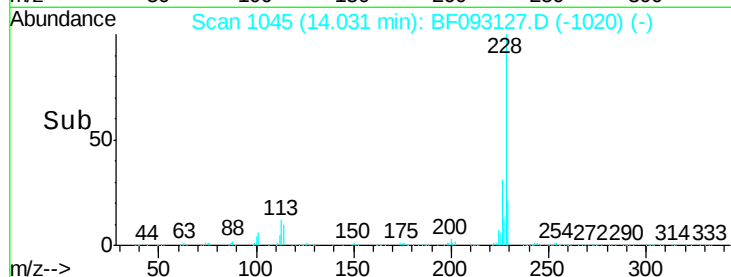
229 21.5 16.2 24.2



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: 15.87 ng

RT: 16.83 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

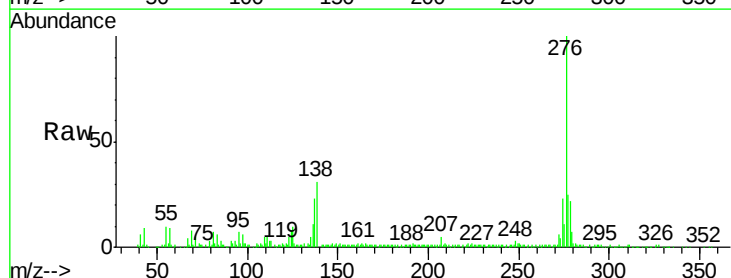
Tgt Ion:276 Resp: 221485

Ion Ratio Lower Upper

276 100

138 28.0 21.8 32.6

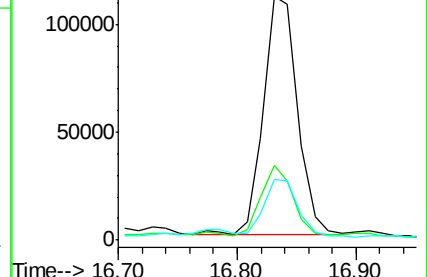
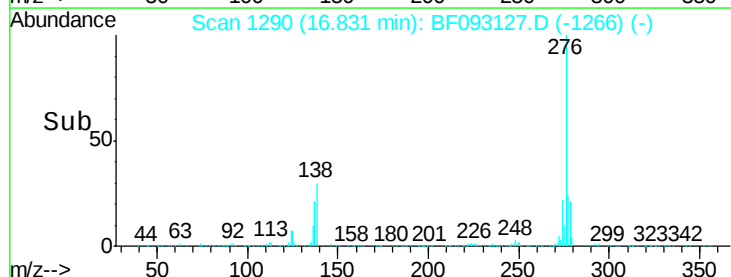
277 24.0 20.2 30.4

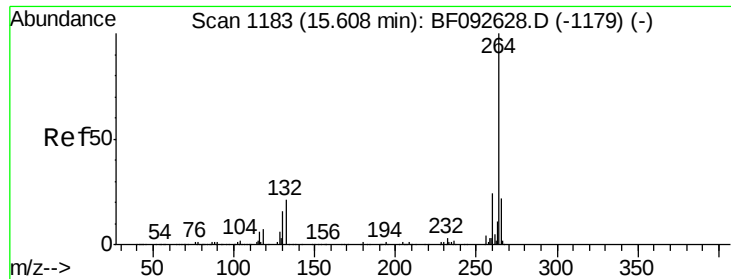


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

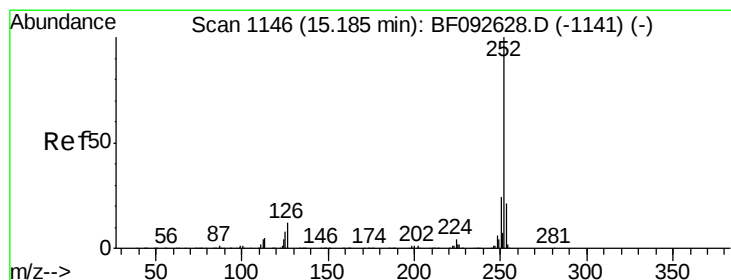
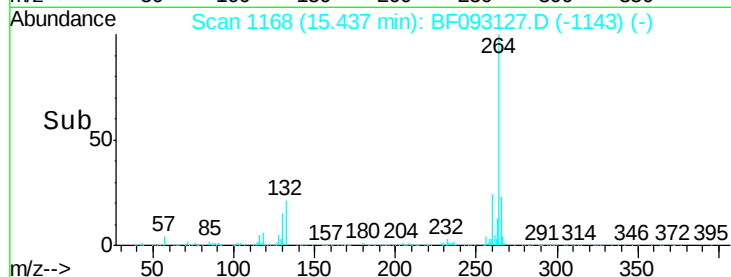
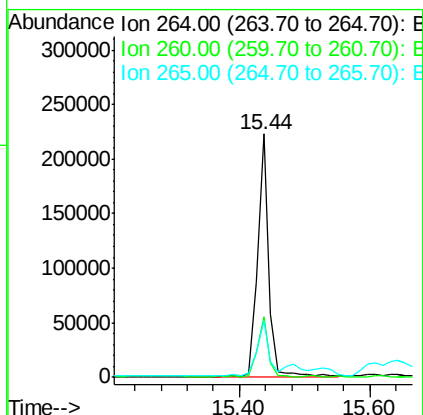
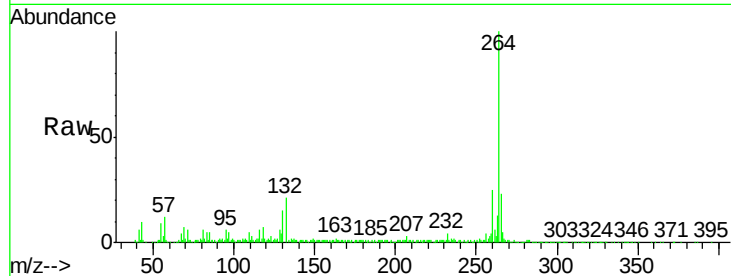




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.44 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

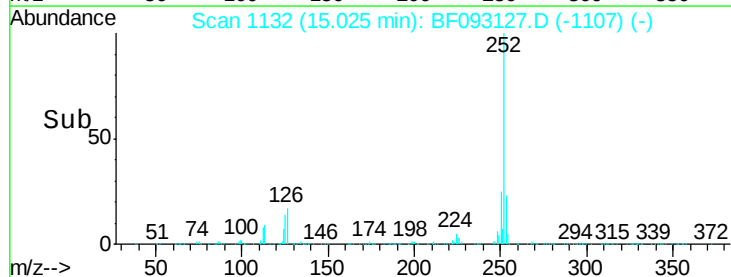
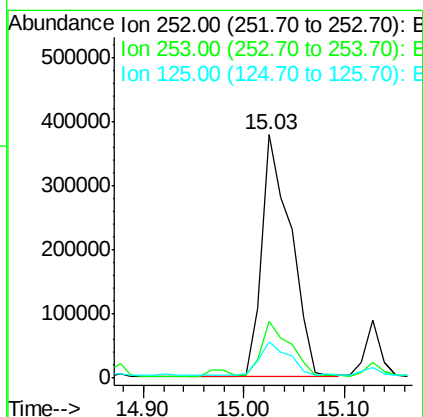
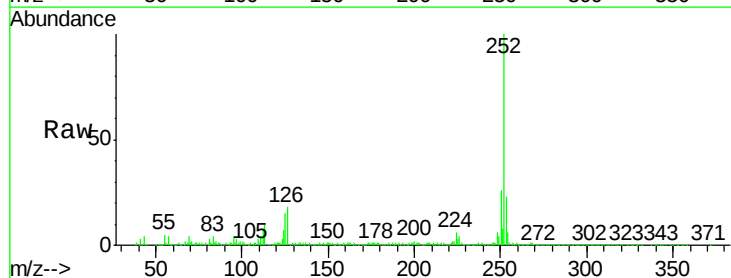
Instrument :  
BNA\_F  
ClientSampleId :  
B1-3

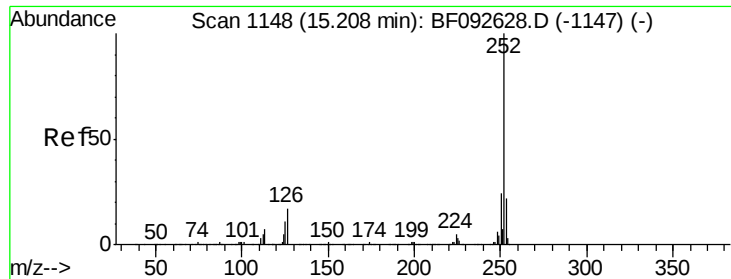
Tgt Ion: 264 Resp: 268182  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.2 28.8  
265 23.4 17.4 26.0



#87  
Benzo(b)fluoranthene  
Concen: 42.94 ng  
RT: 15.03 min Scan# 1132  
Delta R.T. -0.01 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

Tgt Ion: 252 Resp: 758003  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.2 27.4  
125 15.0 9.8 14.6#

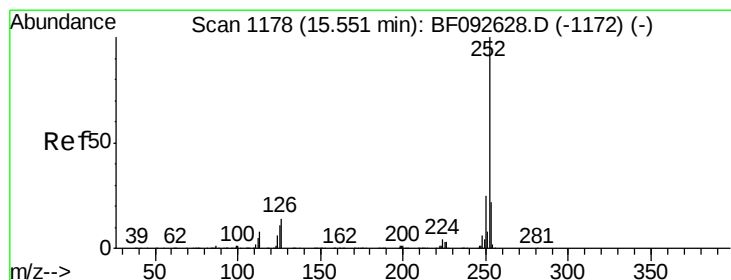
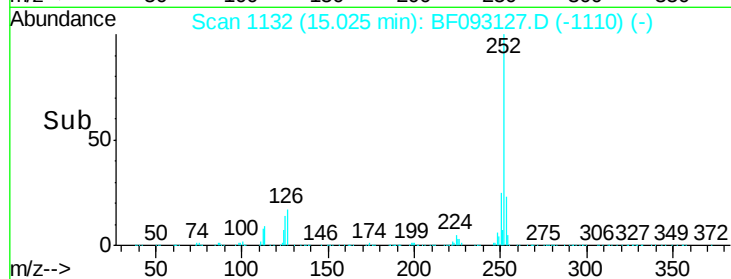
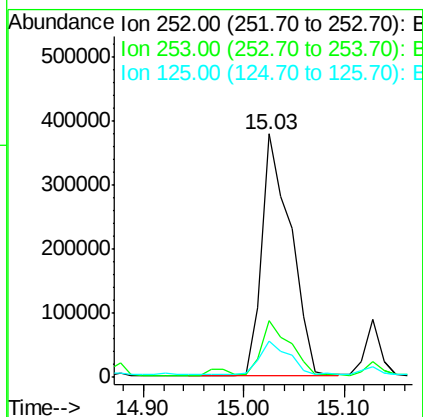
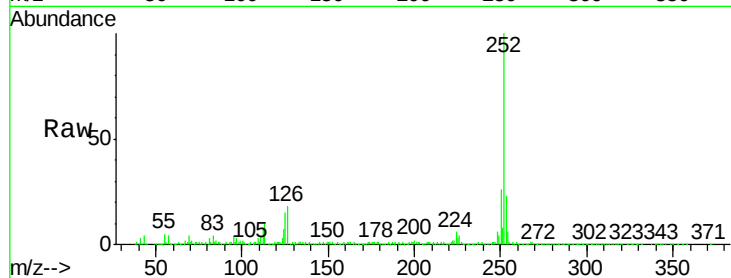




#88  
Benzo(k)fluoranthene  
Concen: 49.73 ng  
RT: 15.03 min Scan# 1132  
Delta R.T. -0.05 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

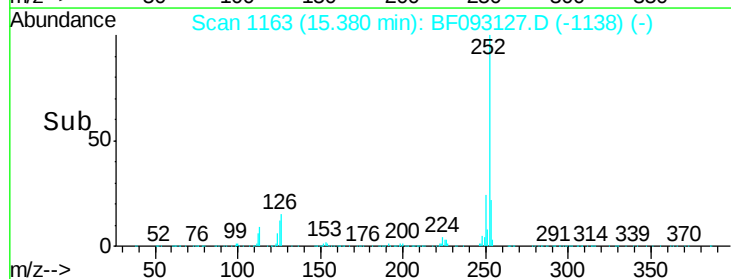
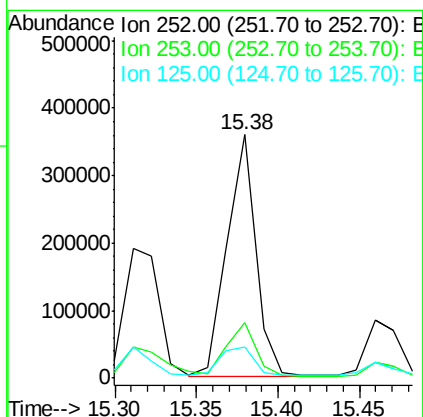
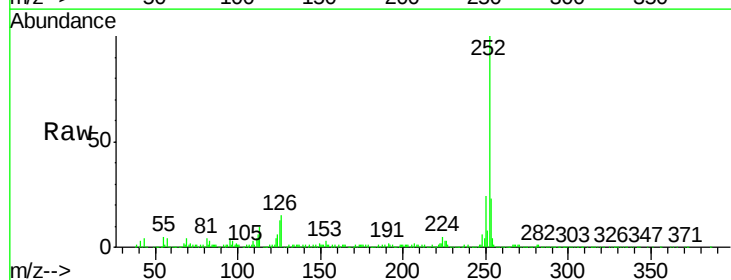
Instrument :  
BNA\_F  
ClientSampleId :  
B1-3

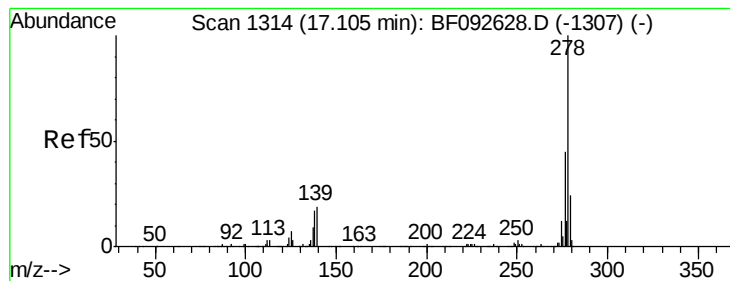
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.5  | 27.7  |
| 125     | 15.0  | 8.9   | 13.3# |



#89  
Benzo(a)pyrene  
Concen: 28.67 ng  
RT: 15.38 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF093127.D  
Acq: 24 Feb 2017 1:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.2  | 27.2  |
| 125     | 13.0  | 10.0  | 15.0  |





#90

Dibenzo(a,h)anthracene

Concen: 2.37 ng

RT: 17.06 min Scan# 1310

Delta R.T. 0.19 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

Instrument :

BNA\_F

ClientSampleId :

B1-3

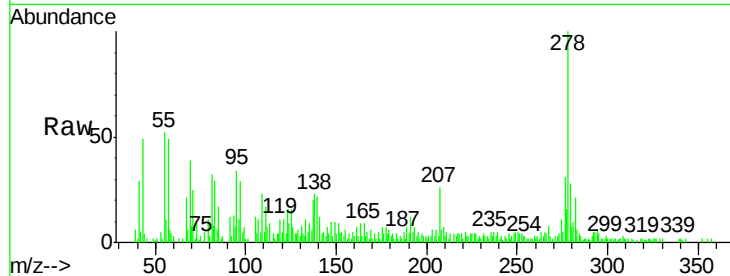
Tgt Ion:278 Resp: 29253

Ion Ratio Lower Upper

278 100

139 22.2 14.8 22.2

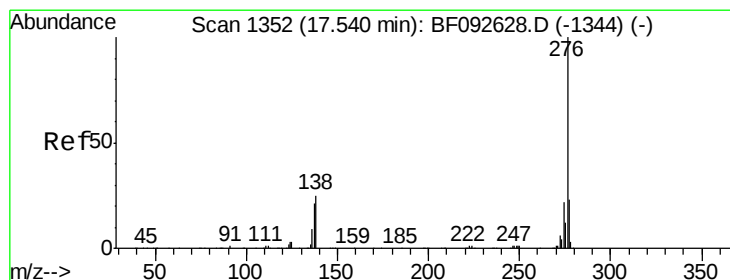
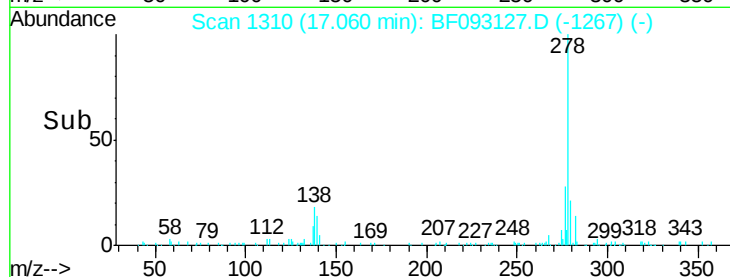
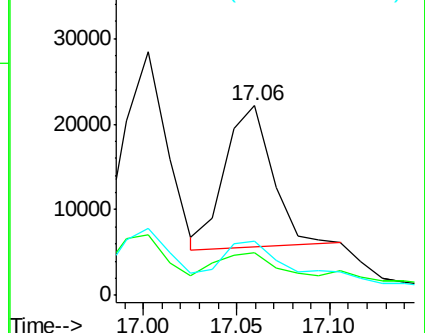
279 28.5 19.8 29.6



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: 17.62 ng

RT: 17.27 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF093127.D

Acq: 24 Feb 2017 1:52

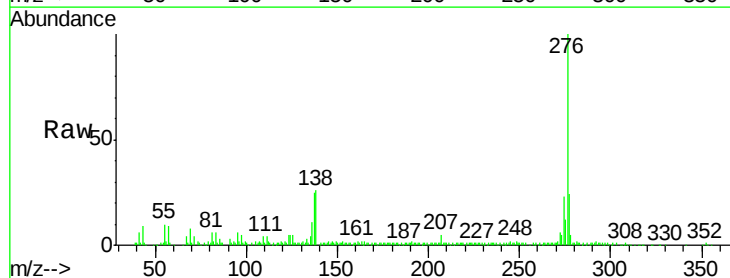
Tgt Ion:276 Resp: 219673

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 26.2 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

