

Data Path : C:\DOCUMENTS AND SETTINGS\AYUL\DESKTOP\BF051415\  
 Data File : BF079235.D  
 Acq On : 14 May 2015 14:13  
 Operator : TP/IZ  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Aug 05 04:07:24 2015  
 Quant Method : C:\DOCUMENTS AND SETTINGS\AYUL\DESKTOP\BF051415\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 05:08:22 2015  
 Response via : Initial Calibration

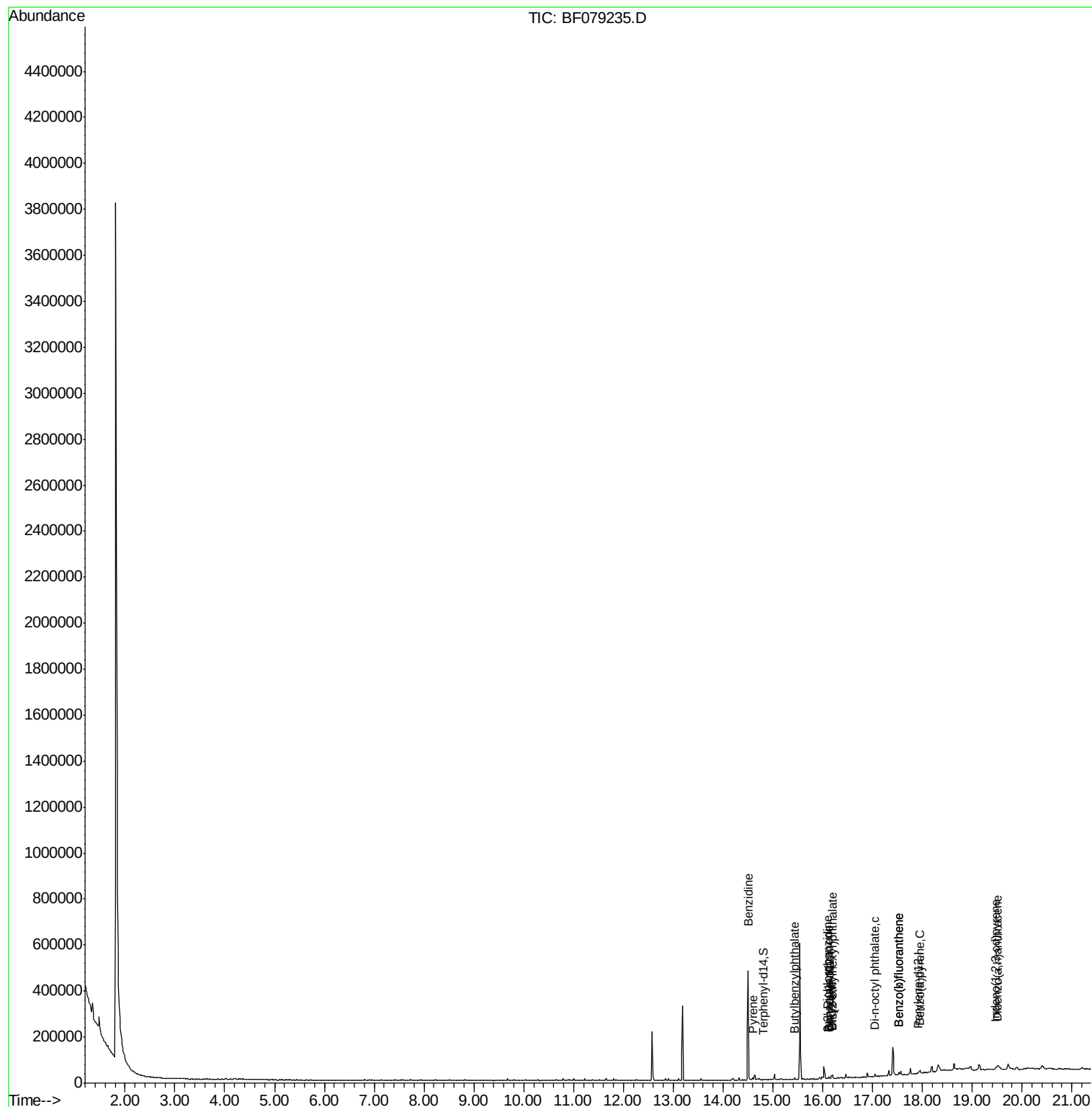
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|----------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00     | ng    | -7.13     |
| 21) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00     | ng    | -8.71     |
| 38) Acenaphthene-d10           | 0.00  | 164  | 0        | 0.00     | ng    | -10.88    |
| 63) Phenanthrene-d10           | 0.00  | 188  | 0        | 0.00     | ng    | -12.72    |
| 75) Chrysene-d12               | 16.14 | 240  | 818      | 20.00    | ng    | 0.11      |
| 86) Perylene-d12               | 17.92 | 264  | 578      | 20.00    | ng    | 0.10      |
| System Monitoring Compounds    |       |      |          |          |       |           |
| 5) 2-Fluorophenol              | 0.00  | 112  | 0        | 0.00     | ng    |           |
| 7) Phenol-d6                   | 0.00  | 99   | 0        | 0.00     | ng    |           |
| 23) Nitrobenzene-d5            | 0.00  | 82   | 0        | 0.00     | ng    |           |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00     | ng    |           |
| 44) 2-Fluorobiphenyl           | 0.00  | 172  | 0        | 0.00     | ng    |           |
| 78) Terphenyl-d14              | 14.81 | 244  | 1055     | 30.88    | ng    | 0.09      |
| Target Compounds               |       |      |          |          |       |           |
| 76) Benzidine                  | 14.50 | 184  | 226957   | 10294.76 | ng    | Qvalue 97 |
| 77) Pyrene                     | 14.59 | 202  | 5638     | 119.61   | ng    | 99        |
| 79) Butylbenzylphthalate       | 15.44 | 149  | 2527     | 122.64   | ng    | 93        |
| 80) Benzo(a)anthracene         | 16.13 | 228  | 6242     | 139.35   | ng    | 97        |
| 81) 3,3'-Dichlorobenzidine     | 16.10 | 252  | 558      | 34.97    | ng    | # 92      |
| 82) Chrysene                   | 16.17 | 228  | 6078     | 141.08   | ng    | 95        |
| 83) Bis(2-ethylhexyl)phthalate | 16.19 | 149  | 4994     | 160.02   | ng    | # 97      |
| 84) Di-n-octyl phthalate       | 17.05 | 149  | 6394     | 116.33   | ng    | # 67      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.47 | 276  | 8281     | 150.85   | ng    | 97        |
| 87) Benzo(b)fluoranthene       | 17.53 | 252  | 8689     | 274.65   | ng    | 99        |
| 88) Benzo(k)fluoranthene       | 17.53 | 252  | 8689     | 283.70   | ng    | # 95      |
| 89) Benzo(a)pyrene             | 17.95 | 252  | 7774     | 266.87   | ng    | # 96      |
| 90) Dibenzo(a,h)anthracene     | 19.51 | 278  | 6549     | 211.53   | ng    | # 88      |

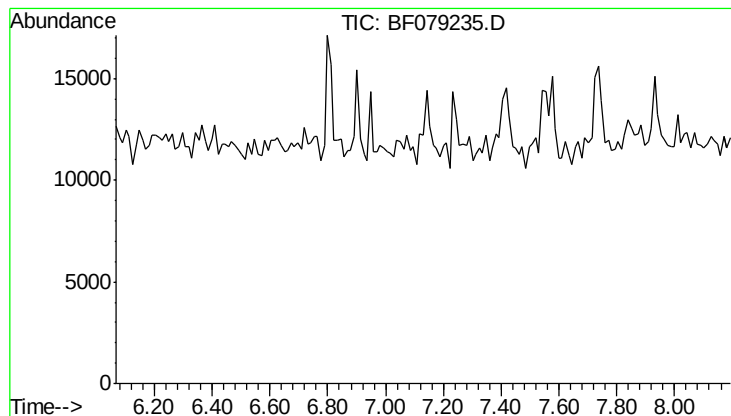
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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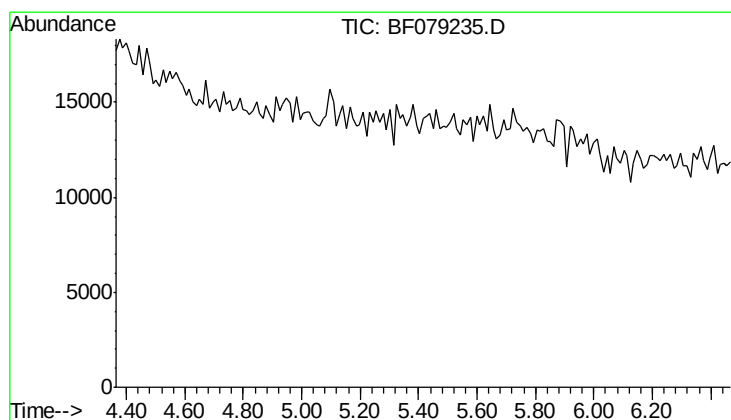
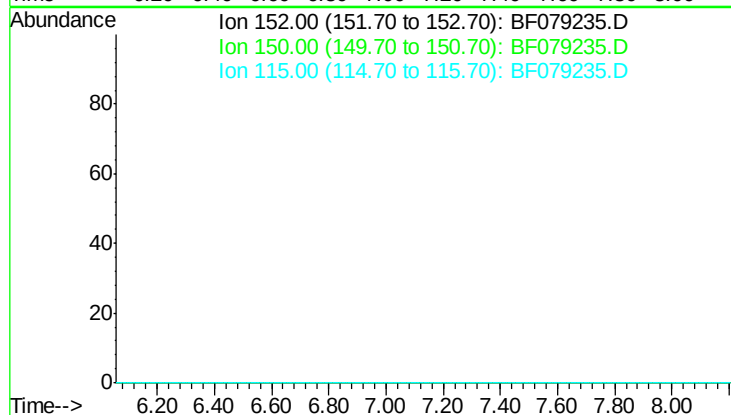




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 7.13 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

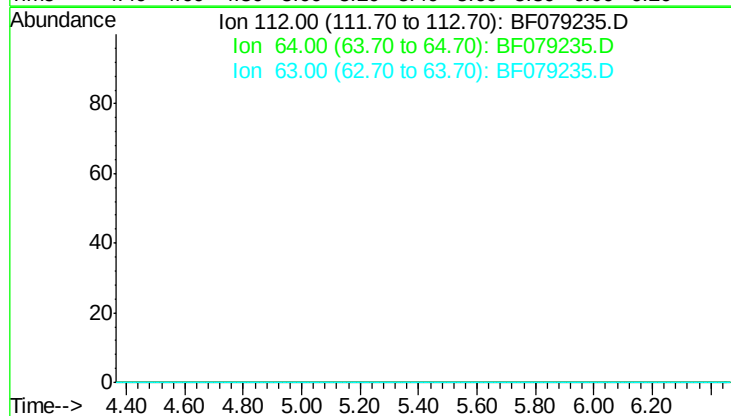
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

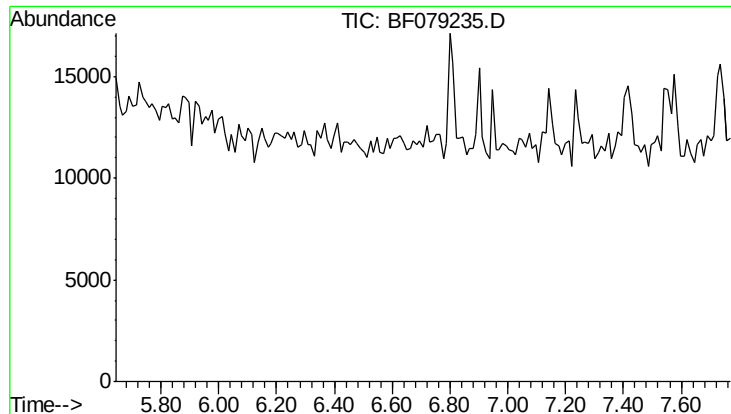
Tot Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 154.8  
 115 61.7



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.42 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 55.2  
 63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.71 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

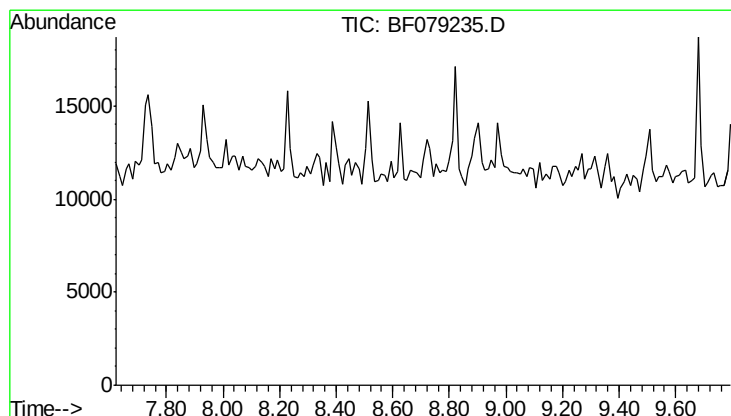
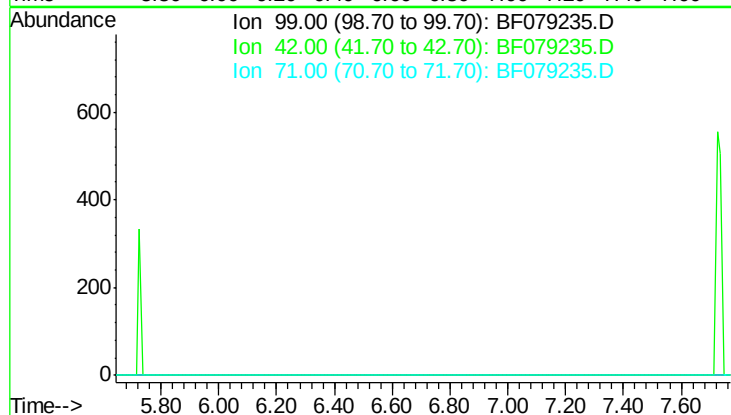
Tot Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 8.71 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Tgt Ion: 136

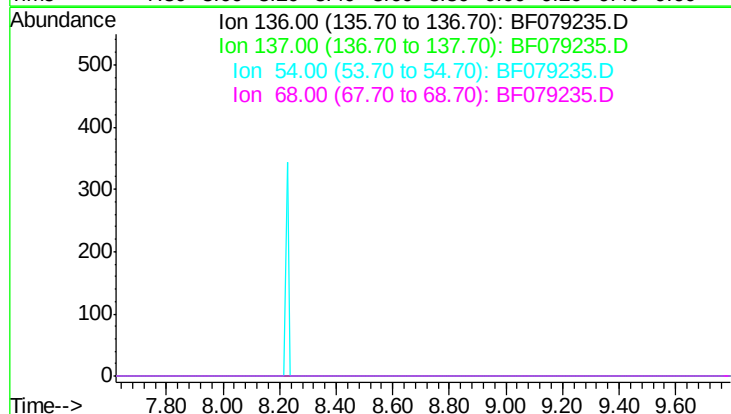
Sig Exp Ratio

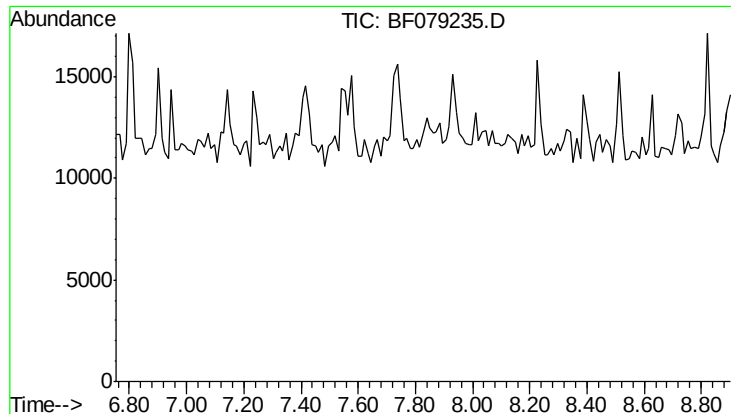
136 100

137 11.0

54 8.6

68 6.1

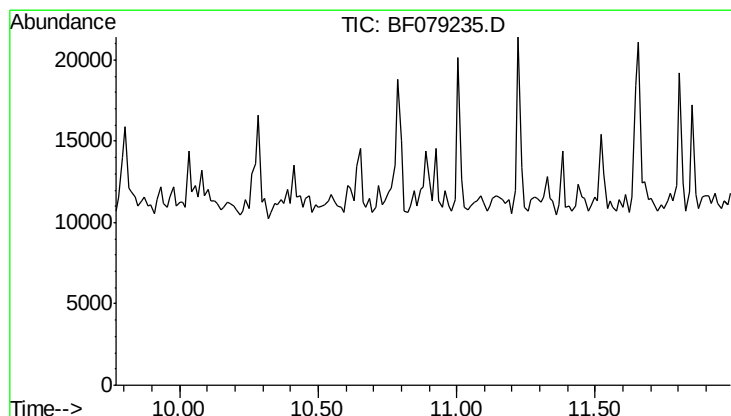
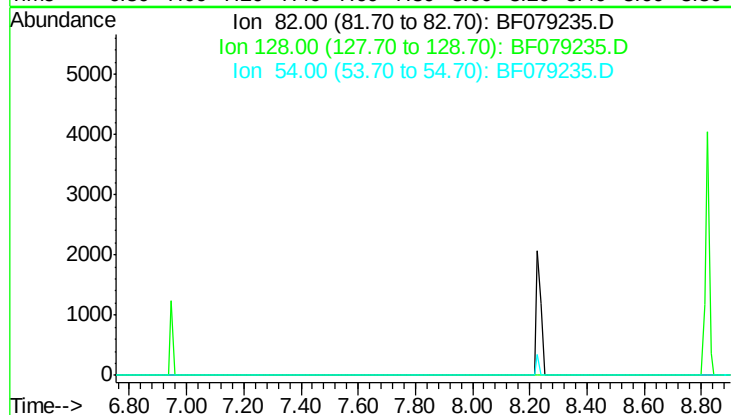




#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 Expected RT: 7.83 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

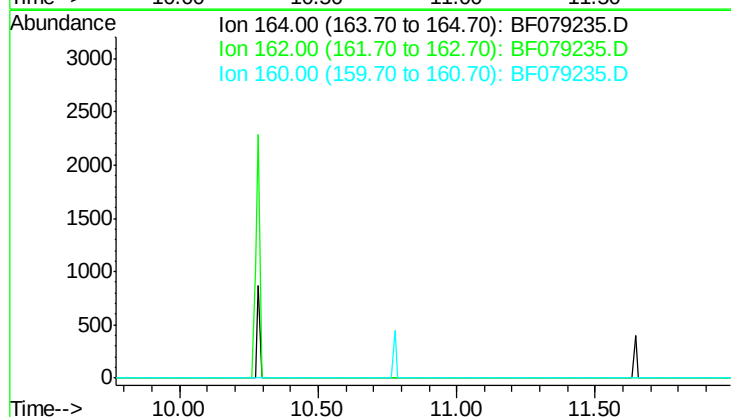
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

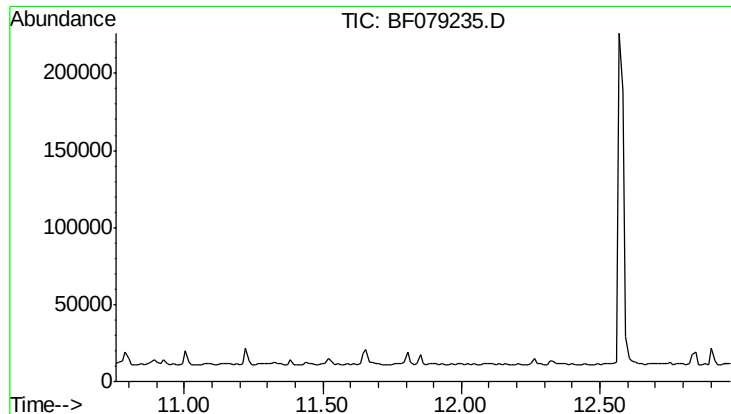
Tot Ion: 82  
 Sig Exp Ratio  
 82 100  
 128 37.1  
 54 57.8



#38  
 Acenaphthene-d10  
 Concen: 0.00 ng  
 Expected RT: 10.88 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

Tgt Ion: 164  
 Sig Exp Ratio  
 164 100  
 162 101.7  
 160 45.7





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 11.86 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

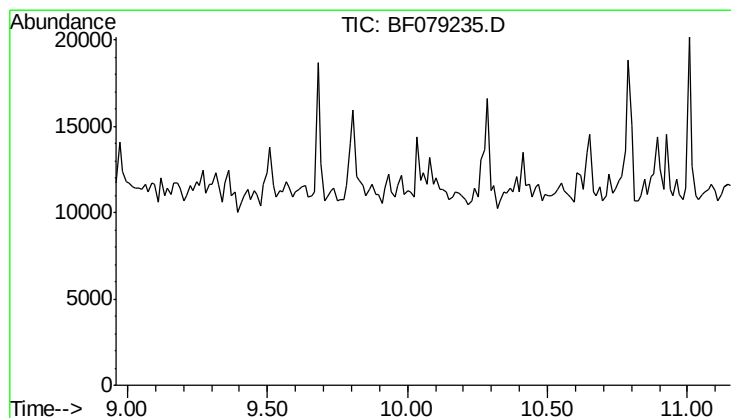
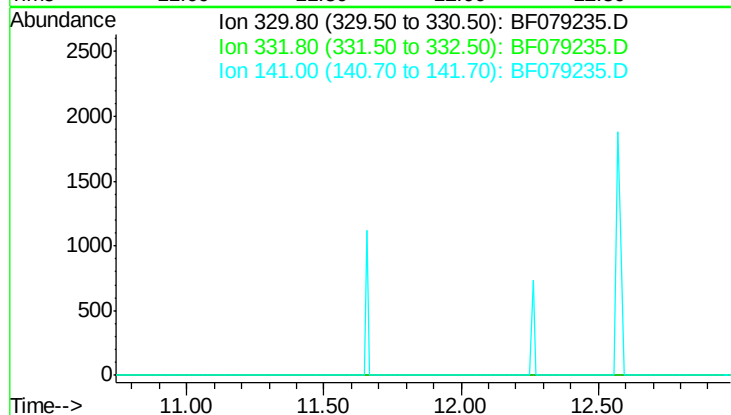
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.1

141 34.8



#44

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 10.06 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

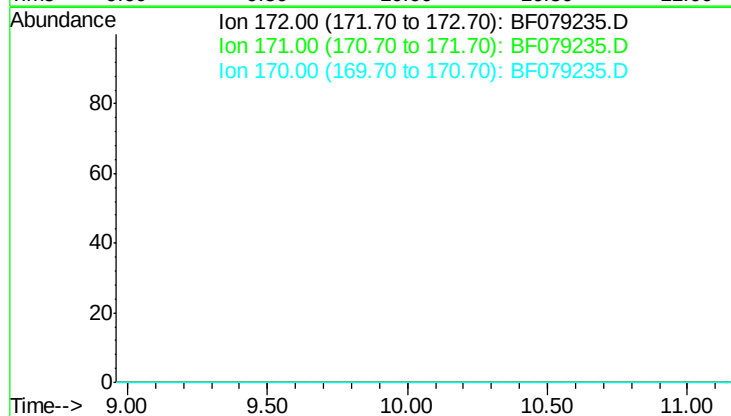
Tgt Ion: 172

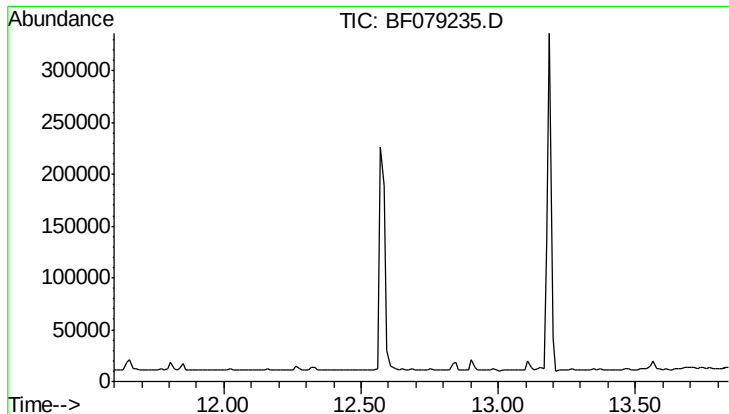
Sig Exp Ratio

172 100

171 35.4

170 24.3

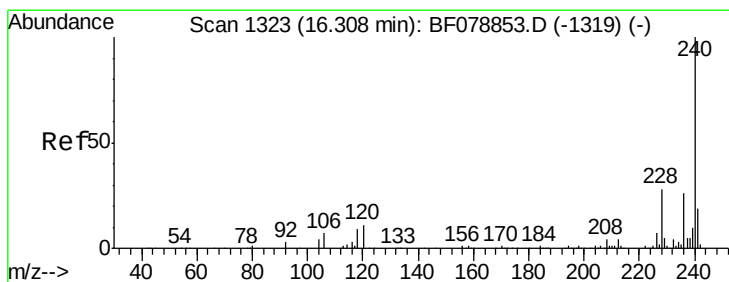
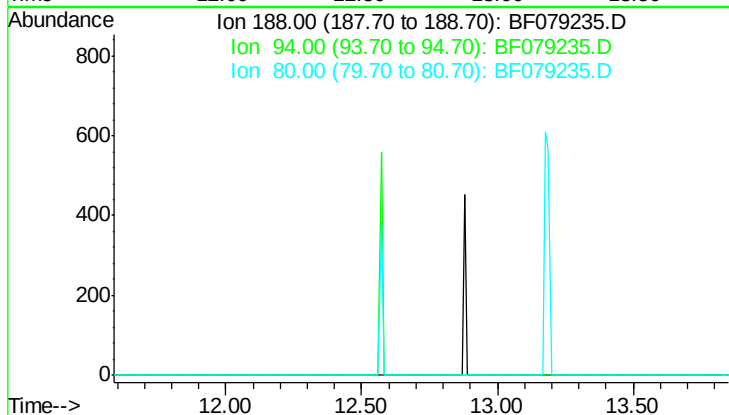




#63  
 Phenanthrene-d10  
 Concen: 0.00 ng  
 Expected RT: 12.72 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

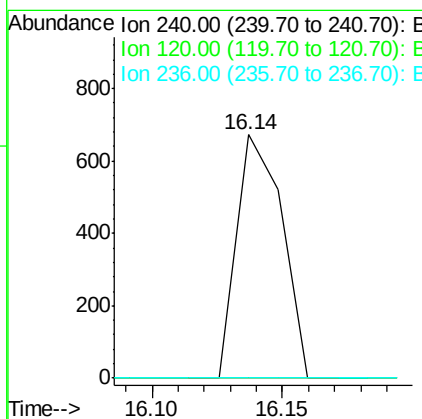
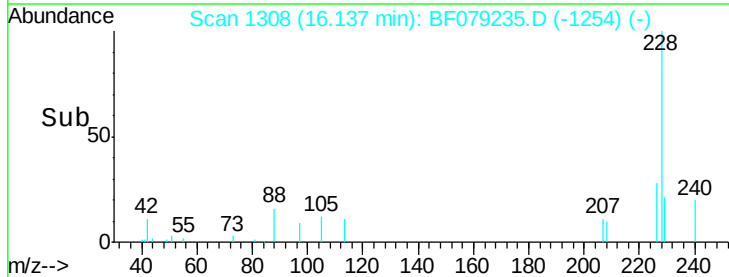
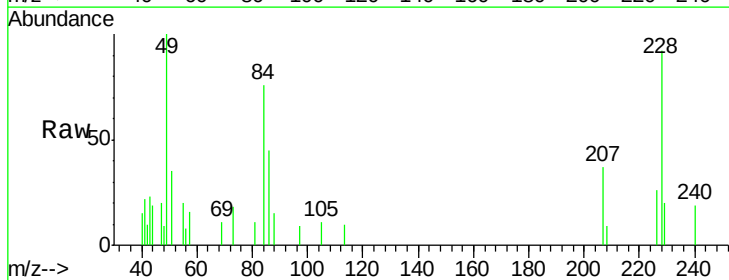
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

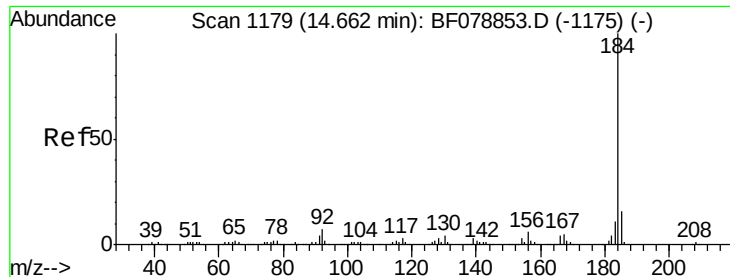
Tot Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 11.7  
 80 12.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 16.14 min Scan# 1308  
 Delta R.T. 0.11 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

Tgt Ion: 240 Resp: 818  
 Ion Ratio Lower Upper  
 240 100  
 120 0.0 8.6 12.8#  
 236 0.0 21.0 31.6#





#76

Benzidine

Concen: 10294.76 ng

RT: 14.50 min Scan# 1165

Delta R.T. 0.09 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

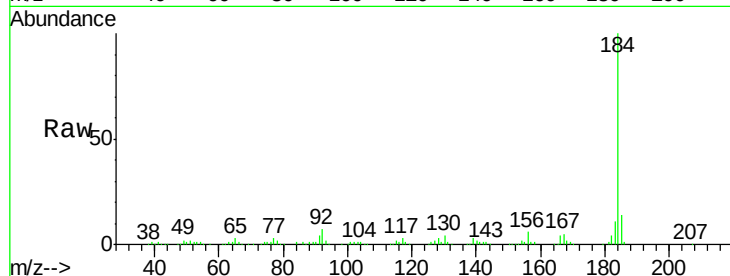
Tot Ion:184 Resp: 226957

Ion Ratio Lower Upper

184 100

185 13.9 12.8 19.2

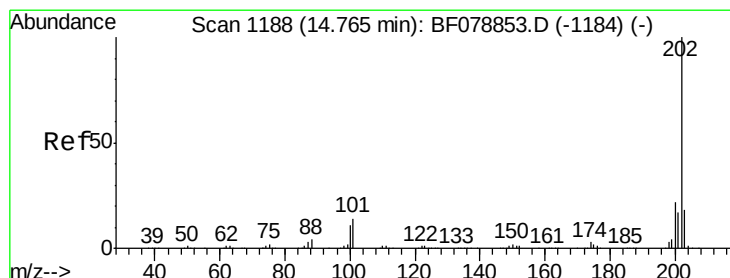
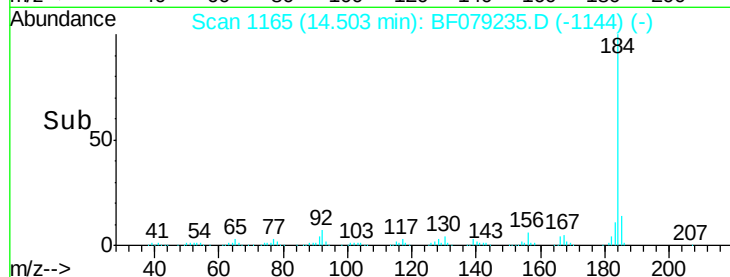
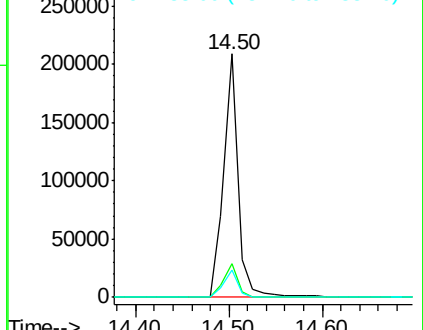
183 11.1 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 119.61 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.09 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

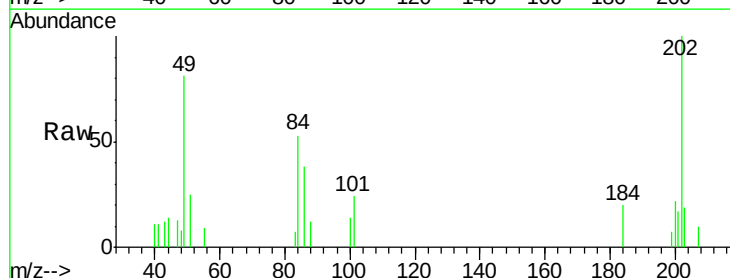
Tgt Ion:202 Resp: 5638

Ion Ratio Lower Upper

202 100

200 22.5 17.5 26.3

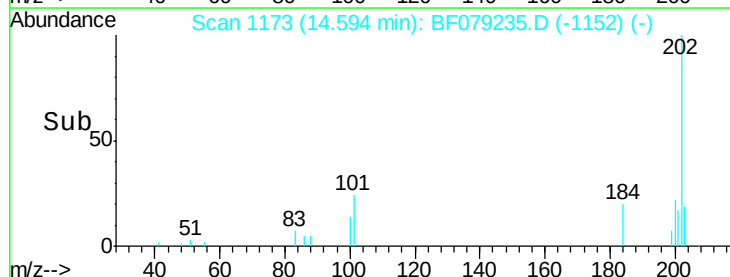
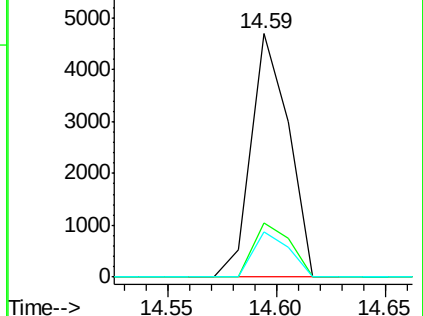
203 18.7 14.7 22.1



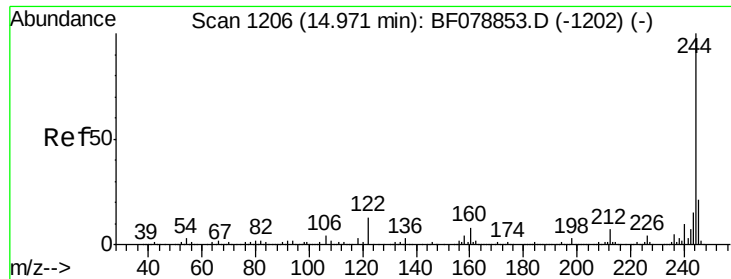
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#78

Terphenyl-d14

Concen: 30.88 ng

RT: 14.81 min Scan# 1192

Delta R.T. 0.09 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

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ClientSampleId :

DFTPP

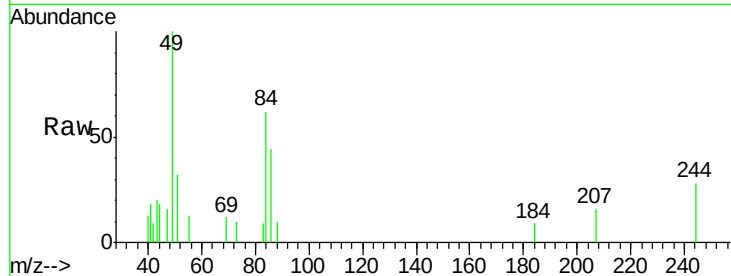
Tot Ion:244 Resp: 1055

Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

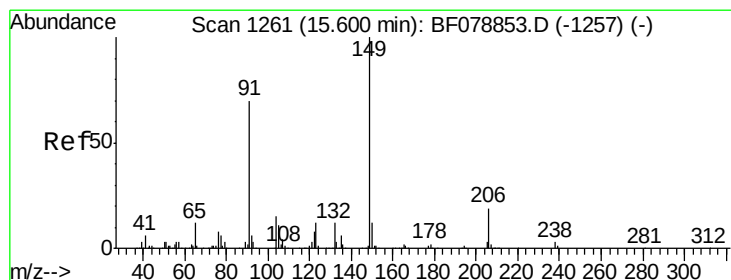
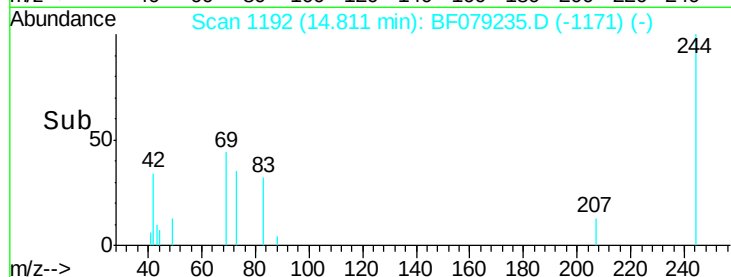
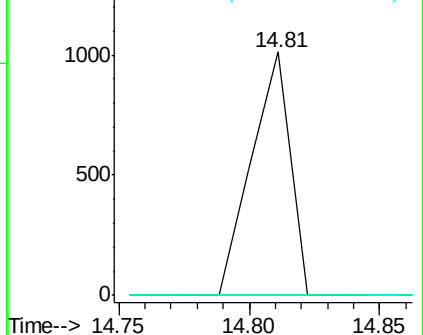
122 0.0 10.5 15.7#



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



#79

Butylbenzylphthalate

Concen: 122.64 ng

RT: 15.44 min Scan# 1247

Delta R.T. 0.10 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

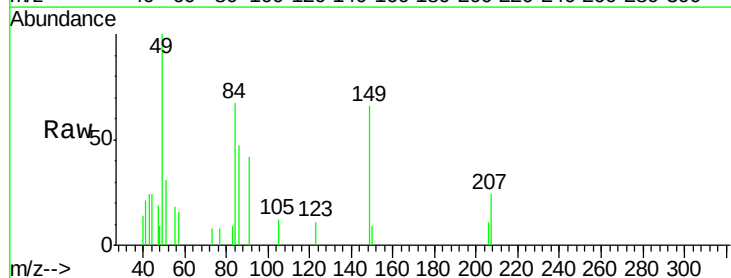
Tgt Ion:149 Resp: 2527

Ion Ratio Lower Upper

149 100

91 63.7 56.2 84.2

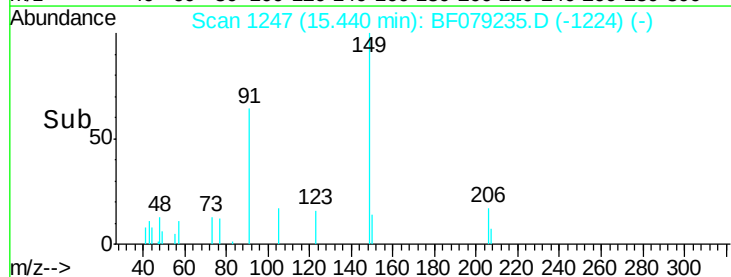
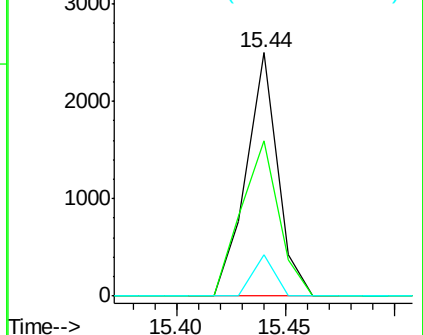
206 17.2 15.2 22.8

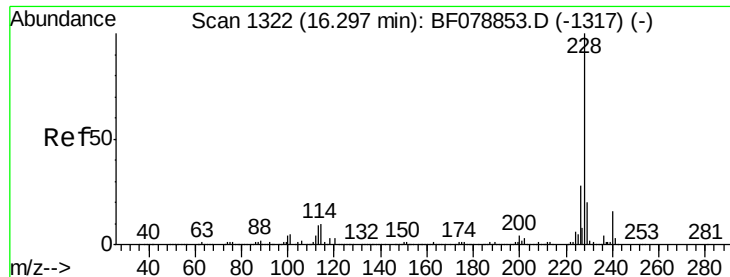


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 139.35 ng

RT: 16.13 min Scan# 1307

Delta R.T. 0.11 min

Lab File: BF079235.D

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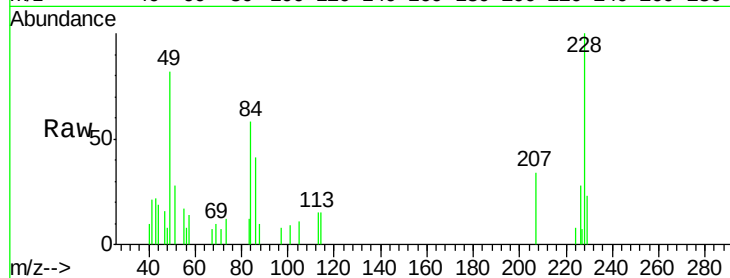
Tot Ion:228 Resp: 6242

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

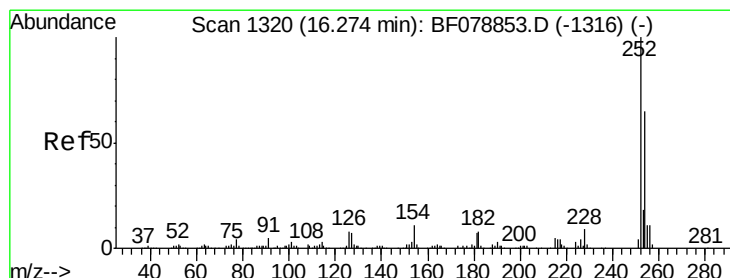
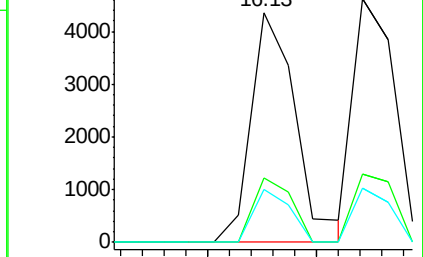
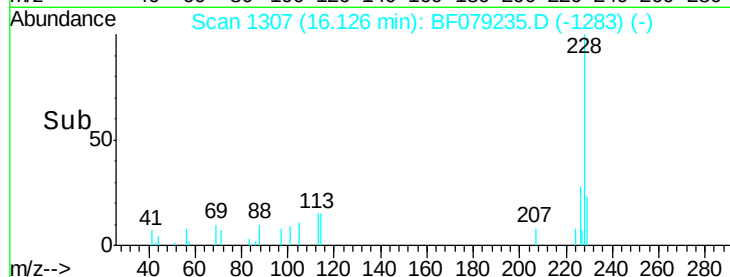
229 22.8 16.1 24.1



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



#81

3,3'-Dichlorobenzidine

Concen: 34.97 ng

RT: 16.10 min Scan# 1305

Delta R.T. 0.11 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

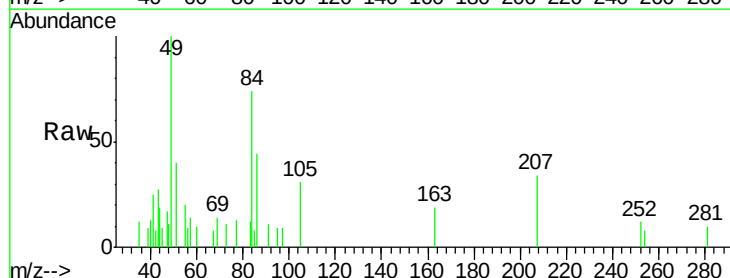
Tgt Ion:252 Resp: 558

Ion Ratio Lower Upper

252 100

254 69.8 52.2 78.2

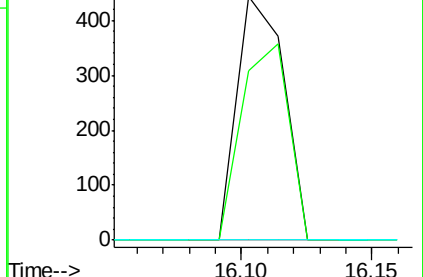
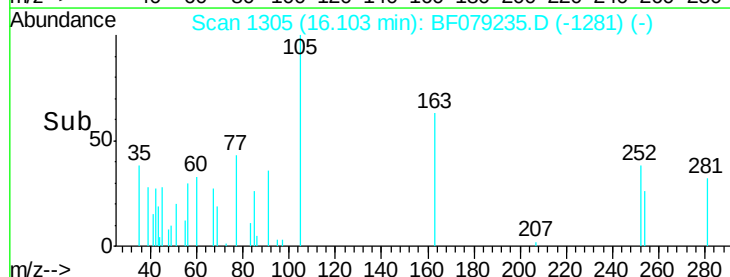
126 0.0 6.6 9.8#

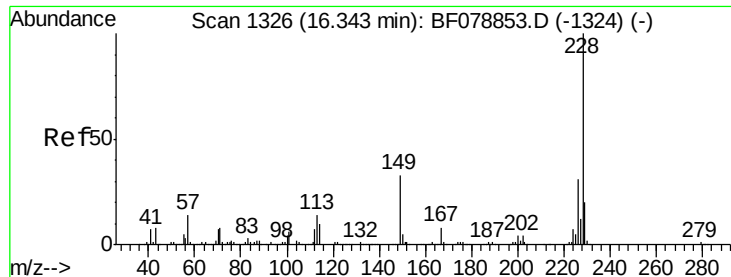


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

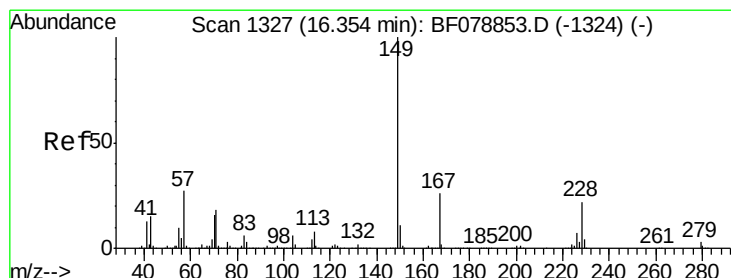
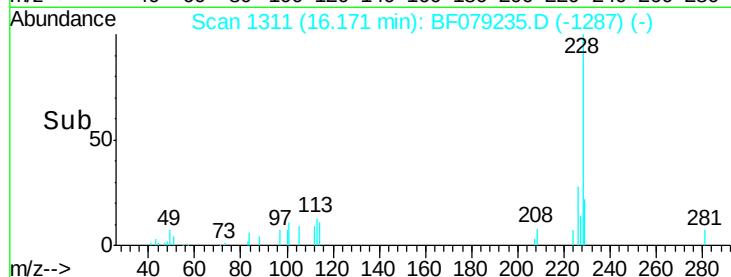
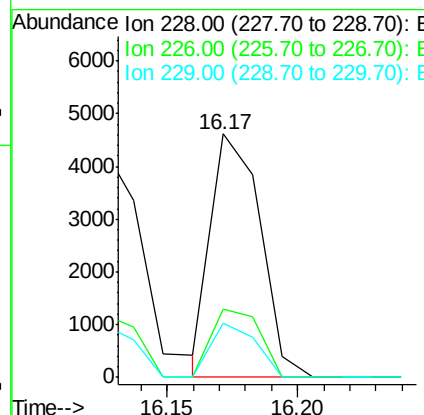
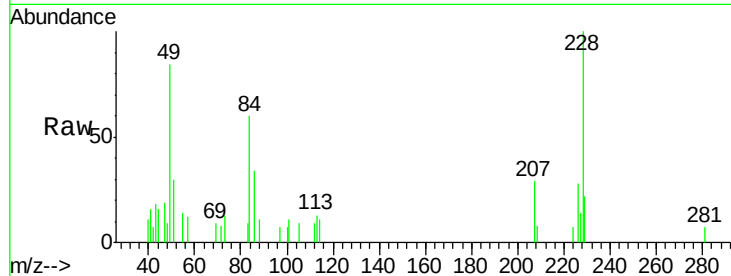




#82  
 Chrysene  
 Concen: 141.08 ng  
 RT: 16.17 min Scan# 1311  
 Delta R.T. 0.11 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

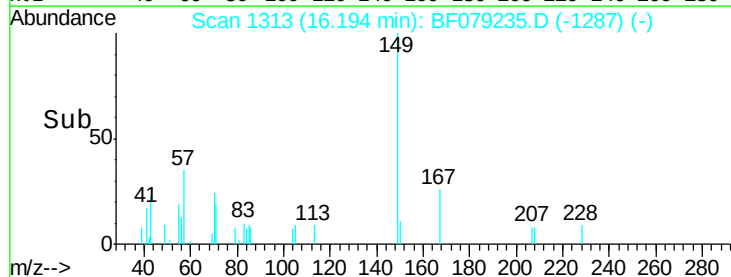
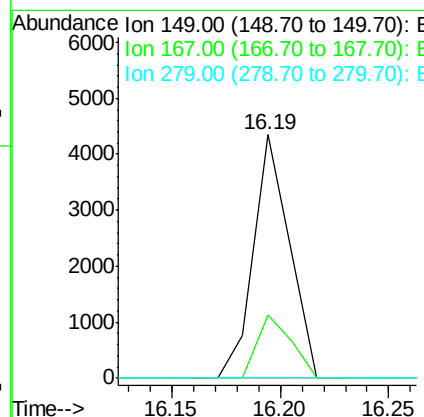
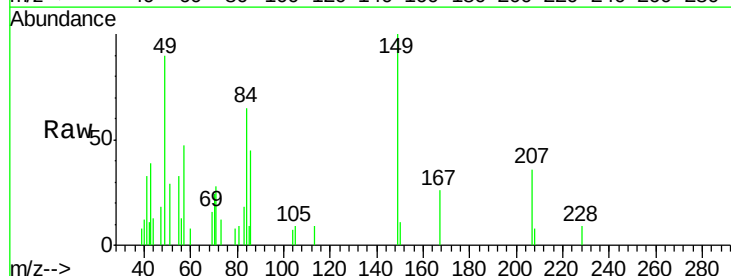
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

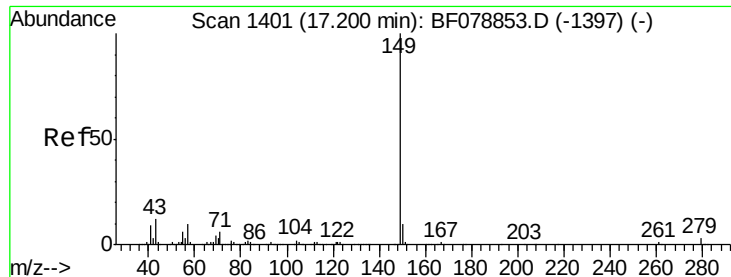
Tot Ion:228 Resp: 6078  
 Ion Ratio Lower Upper  
 228 100  
 226 28.2 24.8 37.2  
 229 22.2 16.1 24.1



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 160.02 ng  
 RT: 16.19 min Scan# 1313  
 Delta R.T. 0.13 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

Tgt Ion:149 Resp: 4994  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 21.2 31.8  
 279 0.0 2.6 4.0#





#84

Di-n-octyl phthalate

Concen: 116.33 ng

RT: 17.05 min Scan# 1388

Delta R.T. 0.16 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

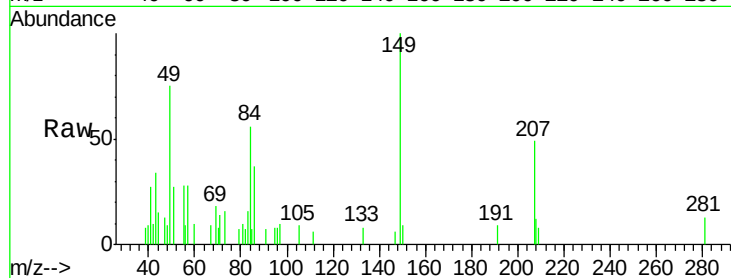
Tot Ion:149 Resp: 6394

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

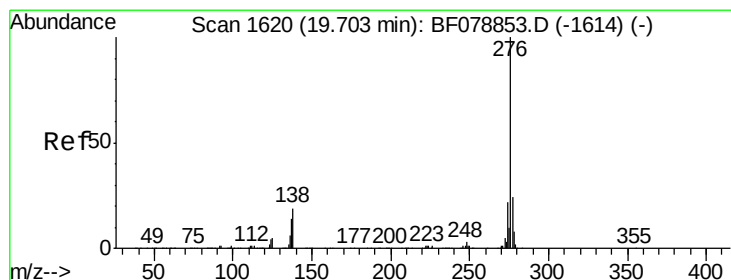
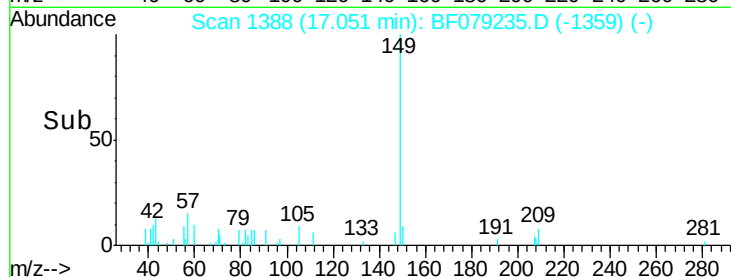
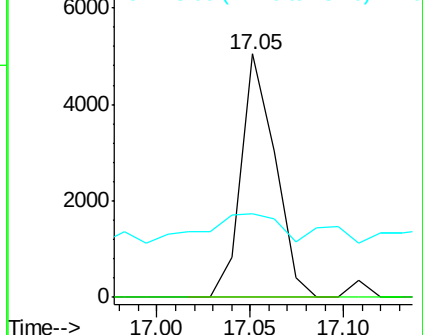
43 25.4 9.0 13.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 150.85 ng

RT: 19.47 min Scan# 1600

Delta R.T. 0.26 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

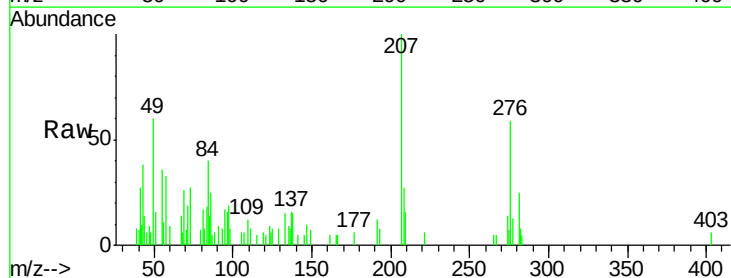
Tgt Ion:276 Resp: 8281

Ion Ratio Lower Upper

276 100

138 28.1 21.1 31.7

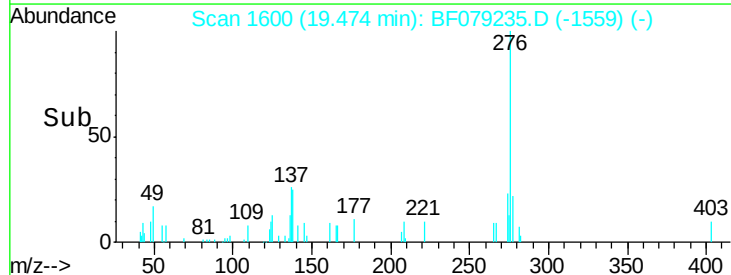
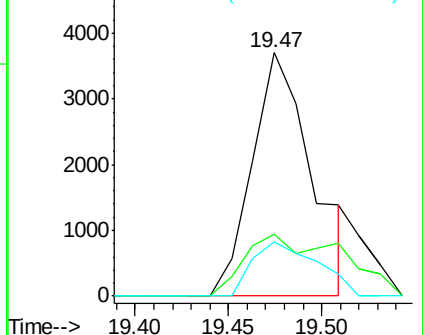
277 24.0 19.9 29.9

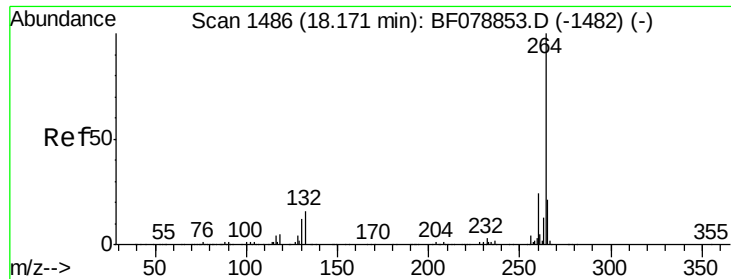


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

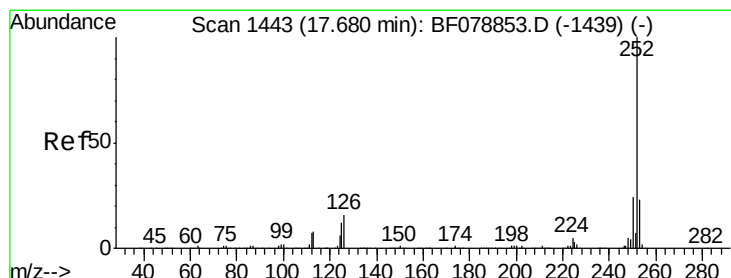
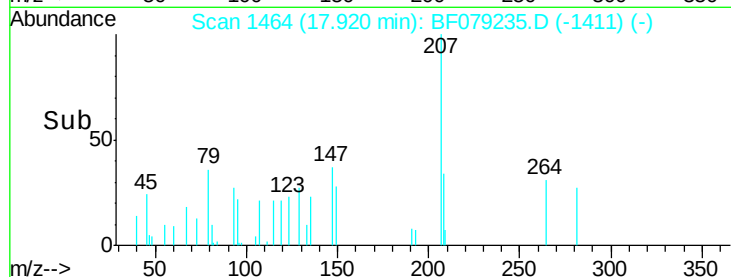
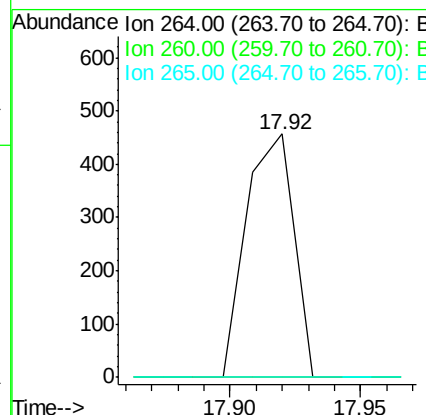
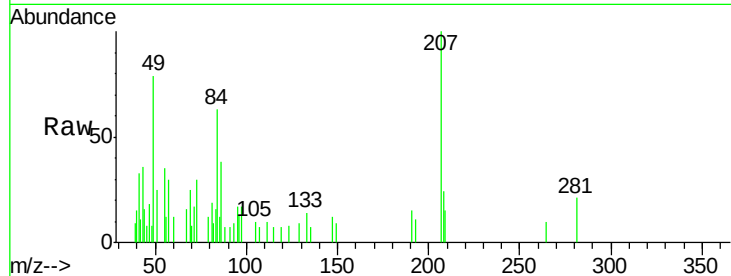




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.92 min Scan# 1464  
Delta R.T. 0.10 min  
Lab File: BF079235.D  
Acq: 14 May 2015 14:13

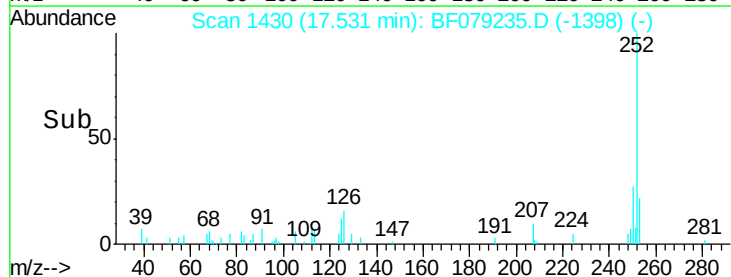
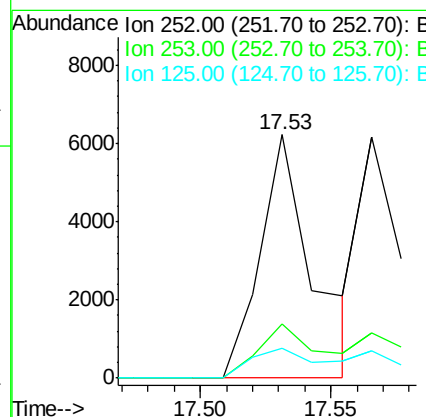
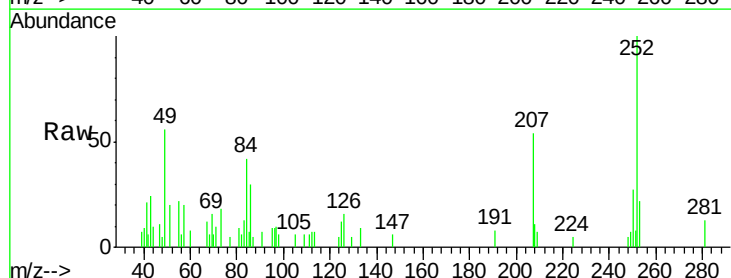
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

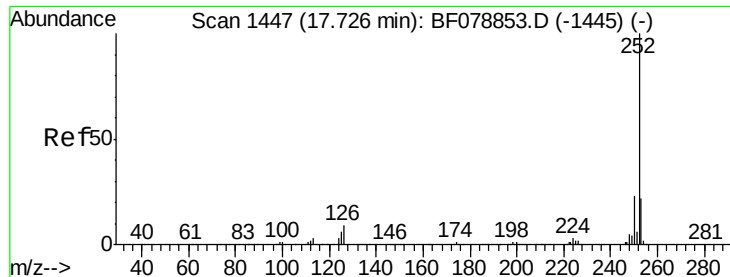
Tot Ion:264 Resp: 578  
Ion Ratio Lower Upper  
264 100  
260 0.0 19.2 28.8#  
265 0.0 17.2 25.8#



#87  
Benzo(b)fluoranthene  
Concen: 274.65 ng  
RT: 17.53 min Scan# 1430  
Delta R.T. 0.18 min  
Lab File: BF079235.D  
Acq: 14 May 2015 14:13

Tgt Ion:252 Resp: 8689  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.1 27.1  
125 12.4 9.4 14.2





#88

Benzo(k)fluoranthene

Concen: 283.70 ng

RT: 17.53 min Scan# 1430

Delta R.T. 0.15 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

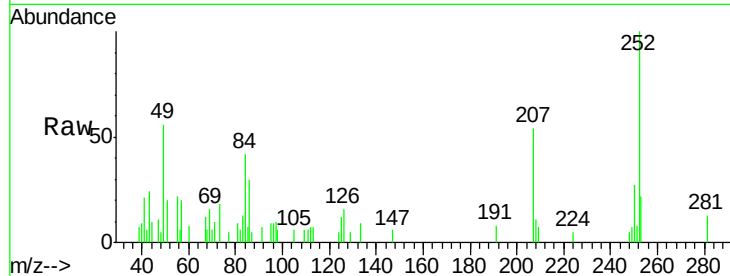
Tot Ion:252 Resp: 8689

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

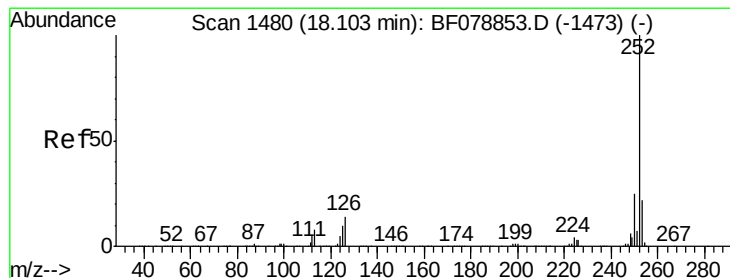
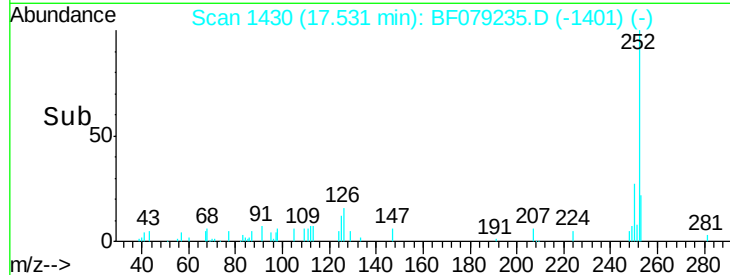
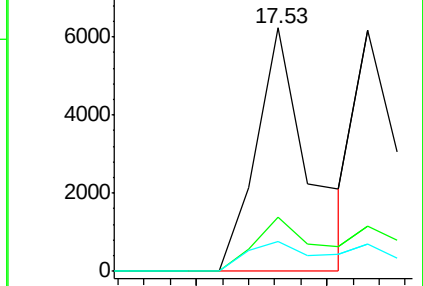
125 12.4 6.1 9.1#



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: 266.87 ng

RT: 17.95 min Scan# 1467

Delta R.T. 0.21 min

Lab File: BF079235.D

Acq: 14 May 2015 14:13

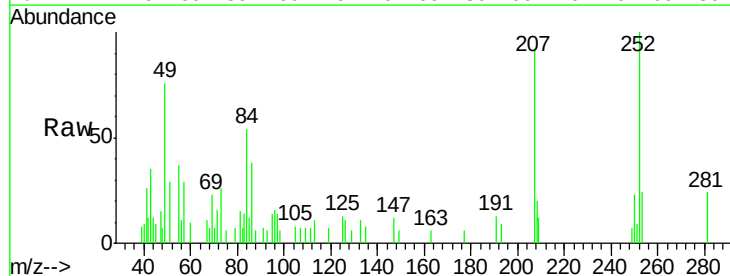
Tgt Ion:252 Resp: 7774

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

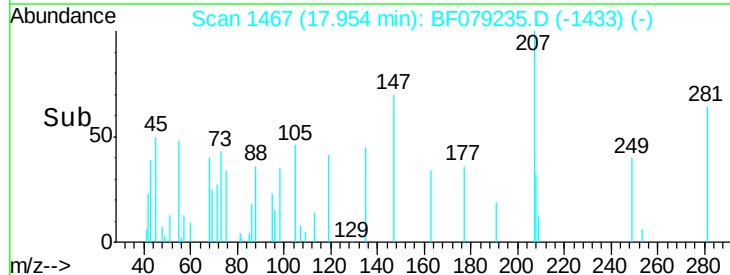
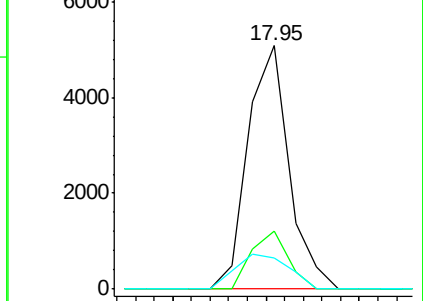
125 13.0 8.2 12.2#

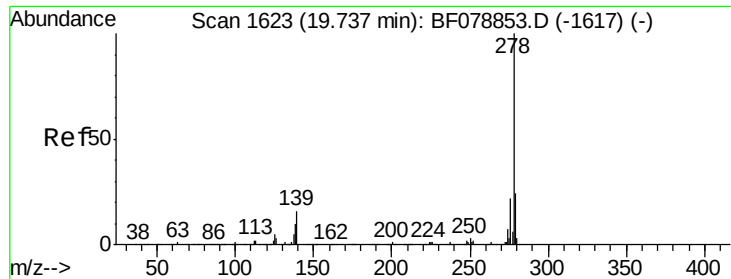


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90  
 Dibenzo(a,h)anthracene  
 Concen: 211.53 ng  
 RT: 19.51 min Scan# 1603  
 Delta R.T. 0.26 min  
 Lab File: BF079235.D  
 Acq: 14 May 2015 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tot Ion: 278 Resp: 6549  
 Ion Ratio Lower Upper  
 278 100  
 139 27.9 13.1 19.7#  
 279 24.6 19.1 28.7

