

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121517\  
 Data File : BE094996.D  
 Acq On : 15 Dec 2017 11:44  
 Operator : SJ/JU  
 Sample : PB104984BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Dec 15 16:31:25 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 18:42:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.47  | 152  | 6984     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.33 | 136  | 14668    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.06 | 164  | 7351     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.77 | 188  | 16629    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.87 | 240  | 19170    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.55 | 264  | 15240    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.95  | 112  | 2763     | 0.25 | ng    | 0.00     |
| 5) Phenol-d6                | 7.59  | 99   | 3785     | 0.23 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.65  | 82   | 3459     | 0.29 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.86 | 152  | 5837     | 0.24 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330  | 464      | 0.27 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.71 | 172  | 8924     | 0.27 | ng    | 0.01     |
| 25) Fluoranthene-d10        | 19.75 | 212  | 52510    | 0.24 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.31 | 244  | 10561    | 0.29 | ng    | 0.00     |

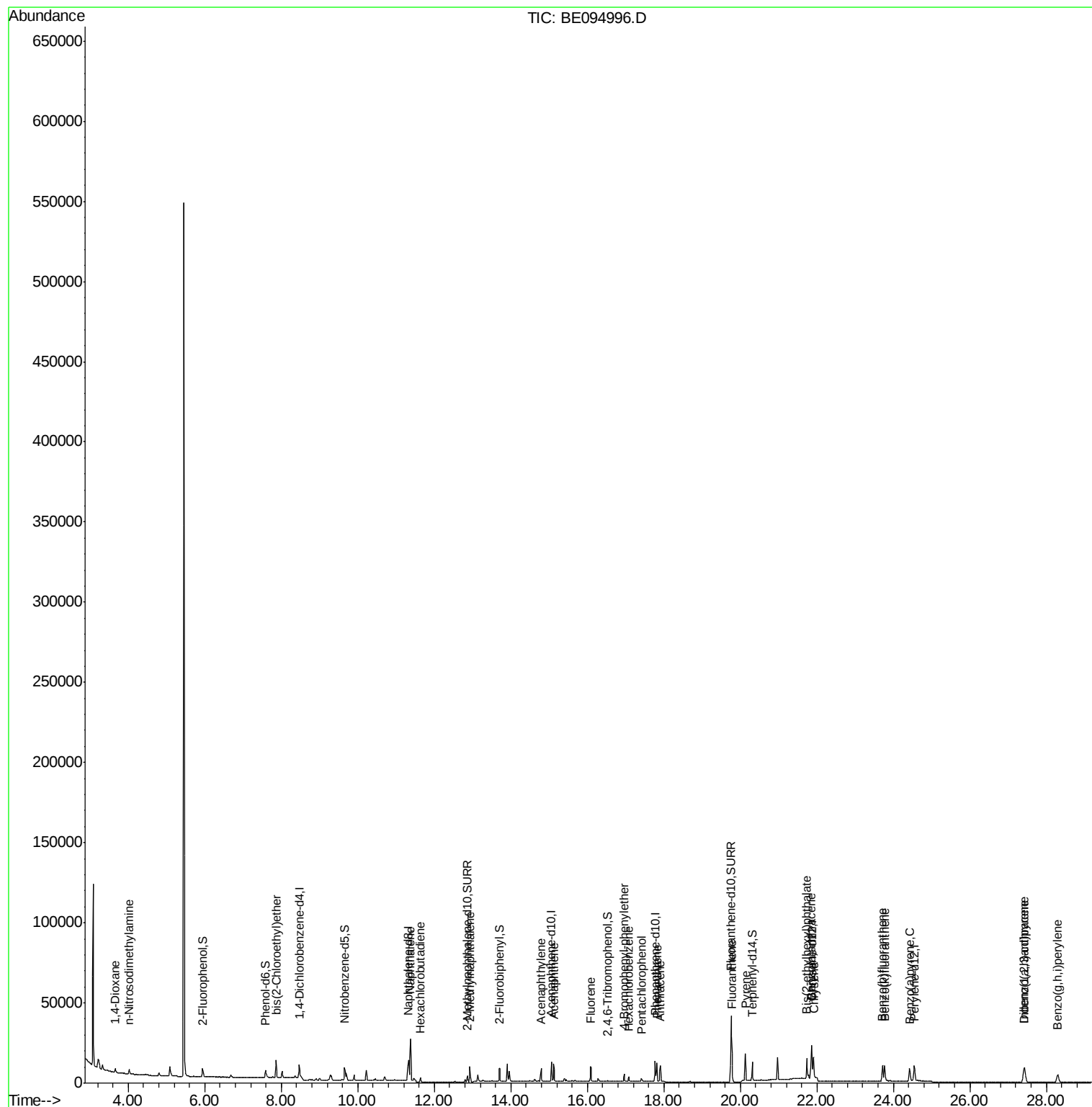
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.66  | 88   | 1638     | 0.238 | ng    | # 31   |
| 3) n-Nitrosodimethylamine      | 4.02  | 42   | 2052     | 0.252 | ng    | # 91   |
| 6) bis(2-Chloroethyl)ether     | 7.87  | 93   | 3893     | 0.248 | ng    | 94     |
| 9) Naphthalene                 | 11.38 | 128  | 43346    | 0.252 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.64 | 225  | 1932     | 0.247 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.94 | 142  | 10549    | 0.245 | ng    | 97     |
| 16) Acenaphthylene             | 14.79 | 152  | 9252     | 0.235 | ng    | 100    |
| 17) Acenaphthene               | 15.12 | 154  | 6039     | 0.232 | ng    | 94     |
| 18) Fluorene                   | 16.10 | 166  | 7603     | 0.235 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 16.97 | 248  | 2426     | 0.249 | ng    | # 81   |
| 21) Hexachlorobenzene          | 17.09 | 284  | 2470     | 0.248 | ng    | # 82   |
| 22) Pentachlorophenol          | 17.41 | 266  | 1101     | 0.526 | ng    | # 80   |
| 23) Phenanthrene               | 17.82 | 178  | 12850    | 0.248 | ng    | 97     |
| 24) Anthracene                 | 17.91 | 178  | 13396    | 0.252 | ng    | # 89   |
| 26) Fluoranthene               | 19.78 | 202  | 15649    | 0.245 | ng    | 98     |
| 28) Pyrene                     | 20.13 | 202  | 17010    | 0.262 | ng    | 97     |
| 30) Benzo(a)anthracene         | 21.86 | 228  | 15553    | 0.278 | ng    | # 62   |
| 31) Chrysene                   | 21.92 | 228  | 17154    | 0.272 | ng    | # 64   |
| 32) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 17768    | 0.249 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 27.41 | 276  | 15065    | 0.293 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 23.72 | 252  | 14793    | 0.264 | ng    | # 92   |
| 36) Benzo(k)fluoranthene       | 23.77 | 252  | 14555    | 0.257 | ng    | # 92   |
| 37) Benzo(a)pyrene             | 24.43 | 252  | 13546    | 0.273 | ng    | # 94   |
| 38) Dibenzo(a,h)anthracene     | 27.43 | 278  | 12349    | 0.268 | ng    | 97     |
| 39) Benzo(g,h,i)perylene       | 28.29 | 276  | 13063    | 0.285 | ng    | 95     |

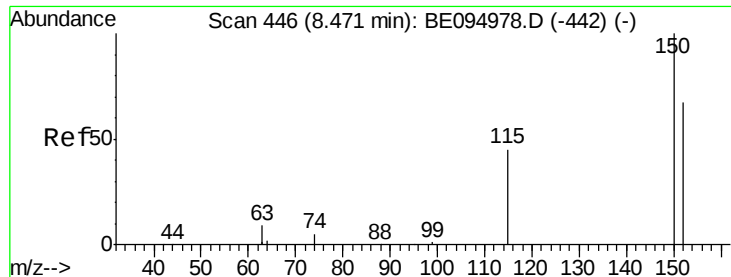
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 14 18:42:53 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

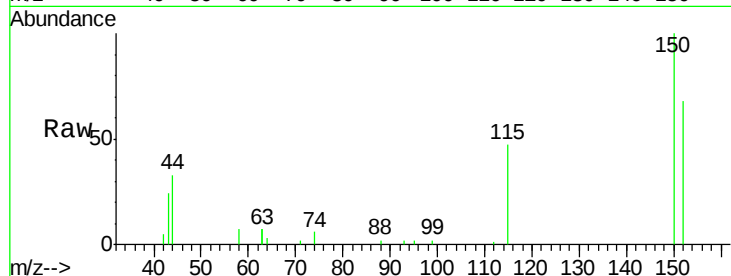
Tot Ion:152 Resp: 6984

Ion Ratio Lower Upper

152 100

150 148.1 117.2 175.8

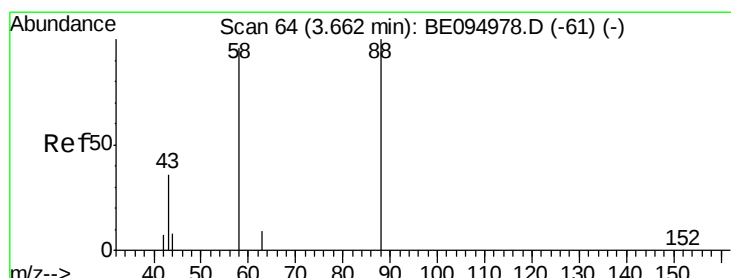
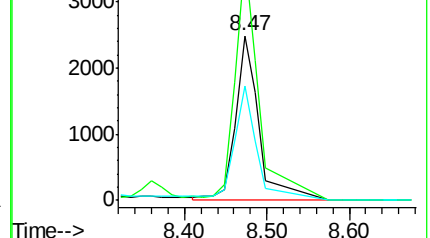
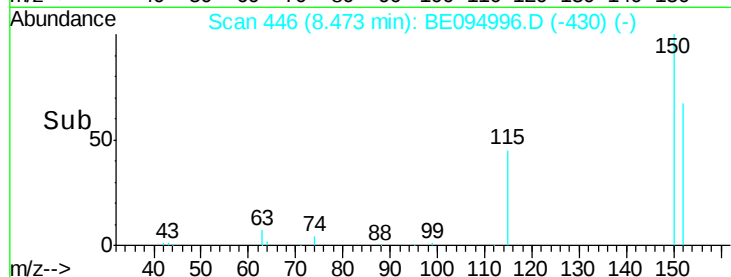
115 69.1 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.238 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

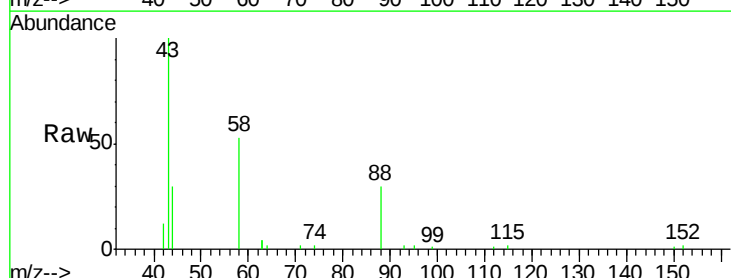
Tgt Ion: 88 Resp: 1638

Ion Ratio Lower Upper

88 100

58 107.0 63.2 94.8#

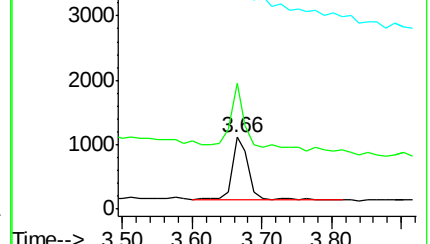
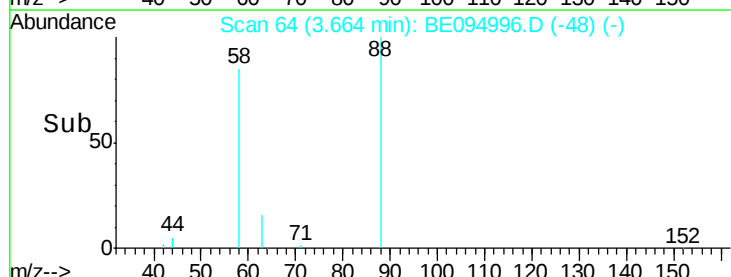
43 139.6 41.2 61.8#

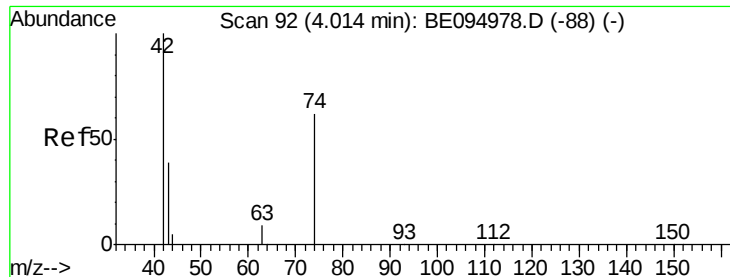


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



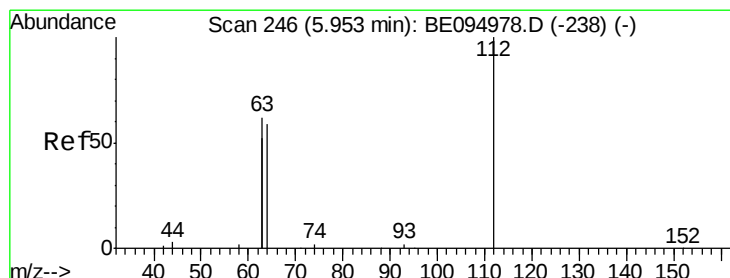
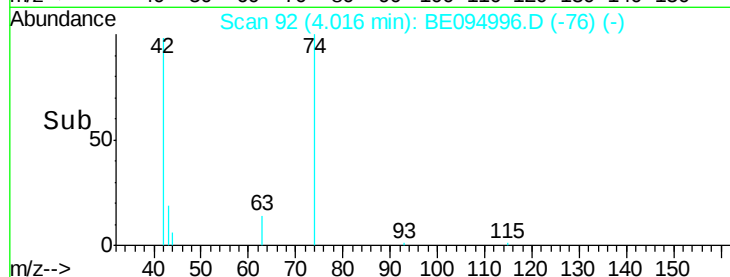
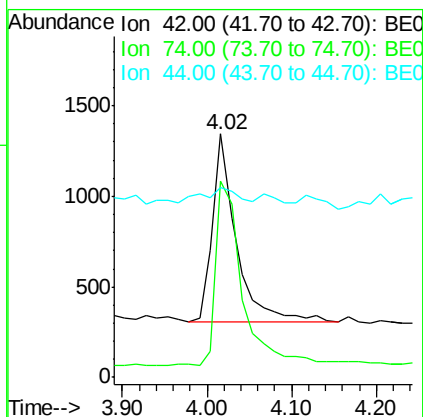
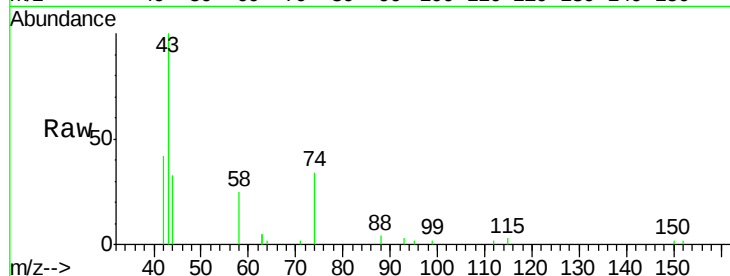


#3

n-Nitrosodimethylamine  
 Concen: 0.252 ng  
 RT: 4.02 min Scan# 92  
 Delta R.T. 0.00 min  
 Lab File: BE094996.D  
 Acq: 15 Dec 2017 11:44

Instrument :  
 BNA\_E  
 ClientSampleId :

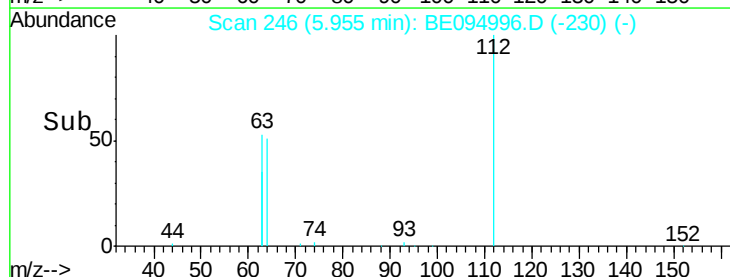
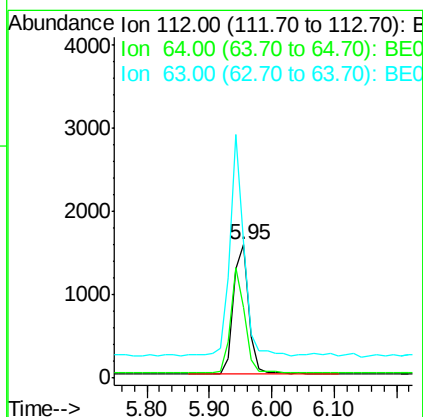
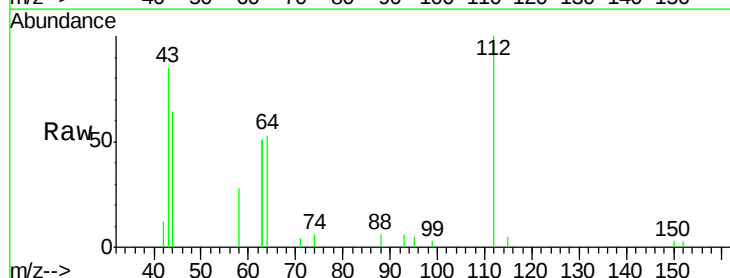
Tot Ion: 42 Resp: 2052  
 Ion Ratio Lower Upper  
 42 100  
 74 110.1 96.0 144.0  
 44 11.2 12.0 18.0#

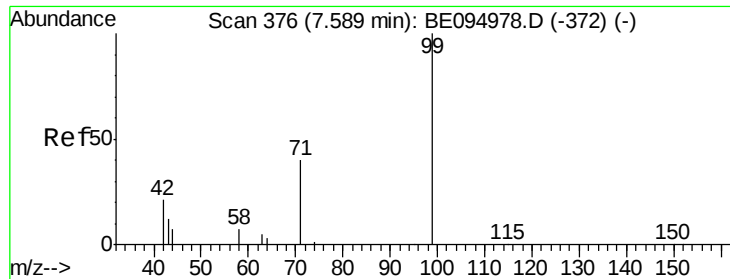


#4

2-Fluorophenol  
 Concen: 0.255 ng  
 RT: 5.95 min Scan# 246  
 Delta R.T. 0.00 min  
 Lab File: BE094996.D  
 Acq: 15 Dec 2017 11:44

Tgt Ion: 112 Resp: 2763  
 Ion Ratio Lower Upper  
 112 100  
 64 74.7 60.1 90.1  
 63 154.5 116.8 175.2





#5

Phenol-d6

Concen: 0.235 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampled :

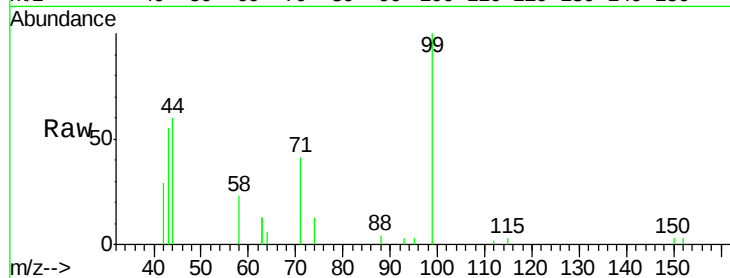
Tot Ion: 99 Resp: 3785

Ion Ratio Lower Upper

99 100

42 24.8 20.2 30.2

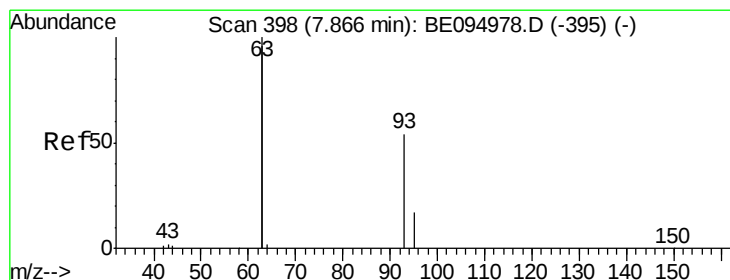
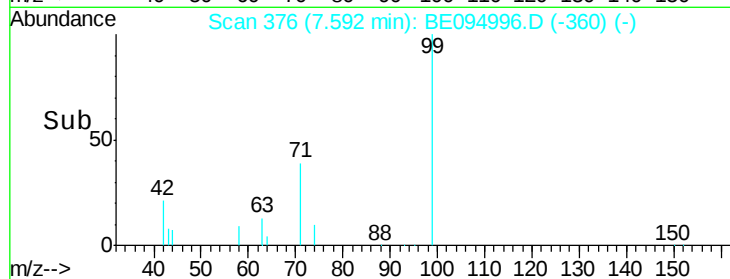
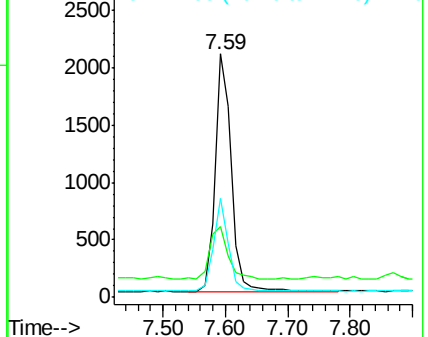
71 36.1 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.248 ng

RT: 7.87 min Scan# 398

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

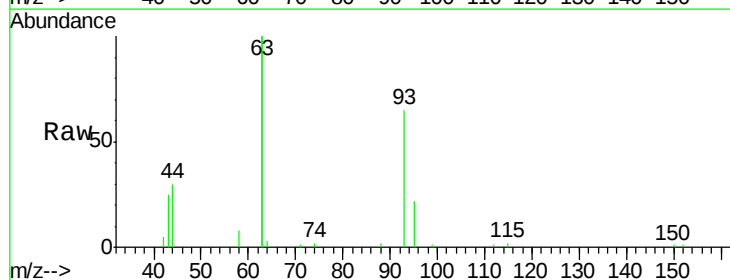
Tgt Ion: 93 Resp: 3893

Ion Ratio Lower Upper

93 100

63 330.9 275.3 412.9

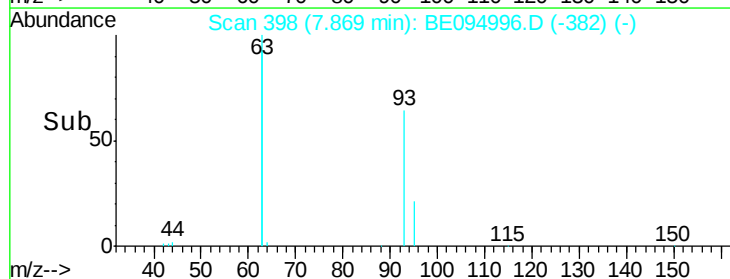
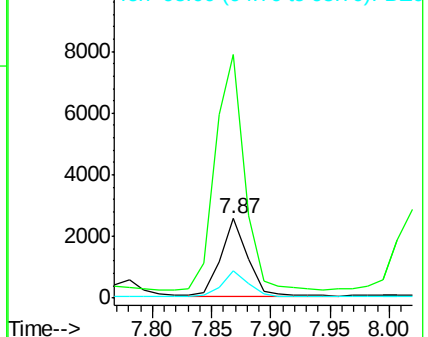
95 31.4 25.2 37.8

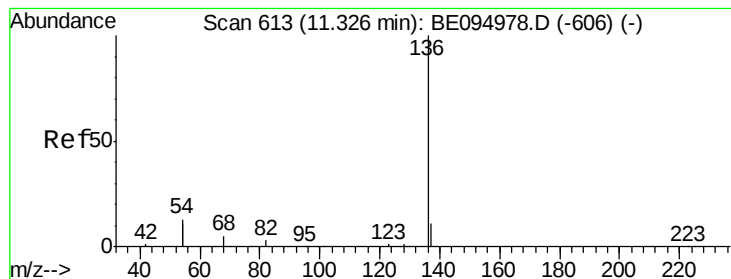


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampled :

Tot Ion:136 Resp: 14668

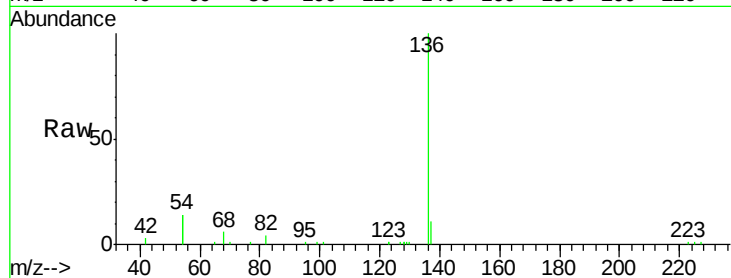
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 27.1 29.1 43.7#

68 6.0 6.2 9.2#

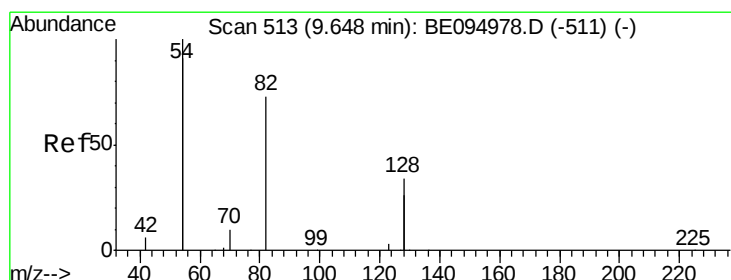
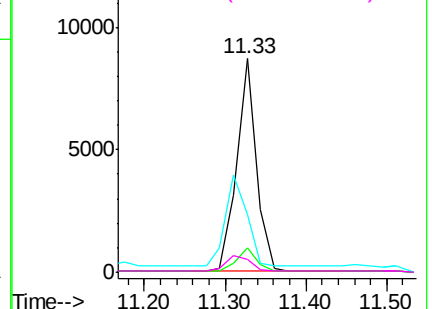
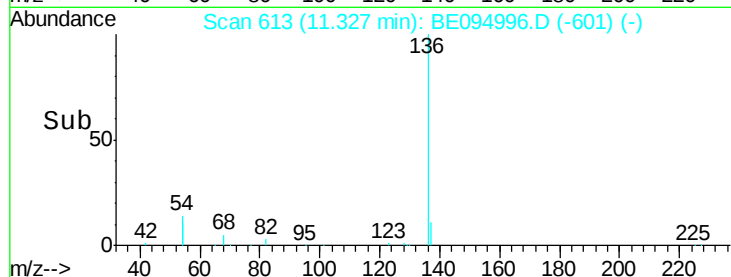


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.287 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

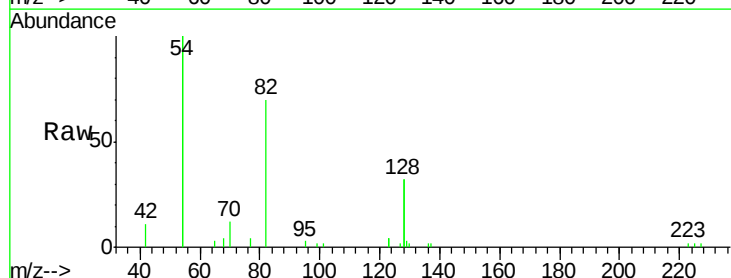
Tgt Ion: 82 Resp: 3459

Ion Ratio Lower Upper

82 100

128 92.7 150.0 225.0#

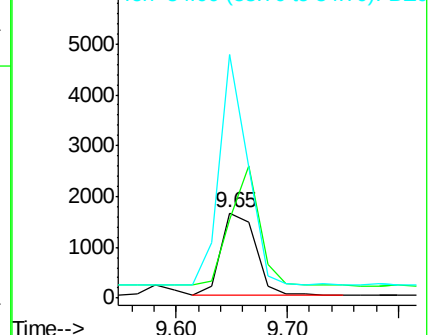
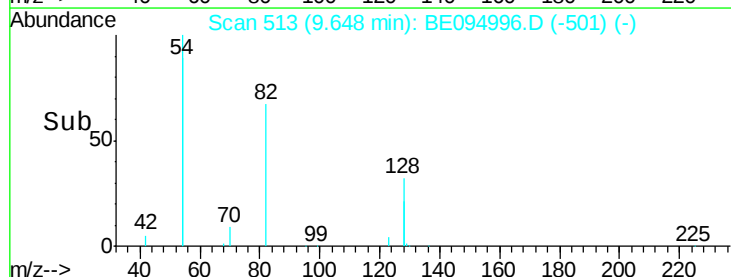
54 286.3 154.2 231.4#

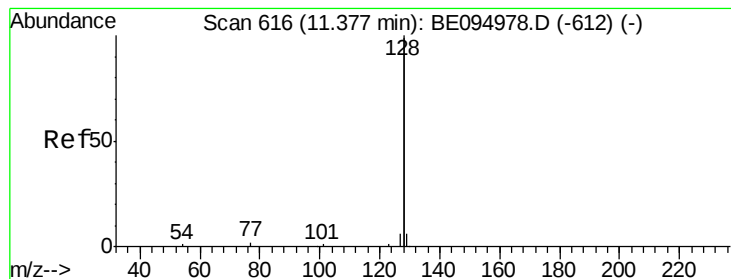


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.252 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

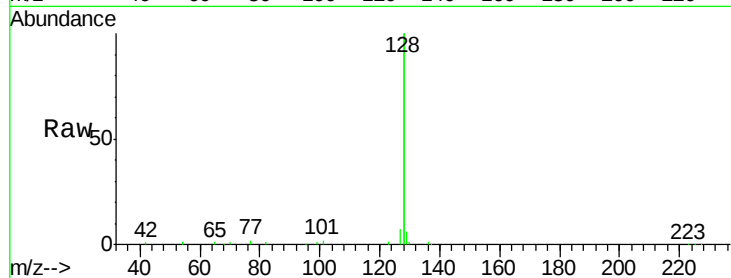
Tot Ion:128 Resp: 43346

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

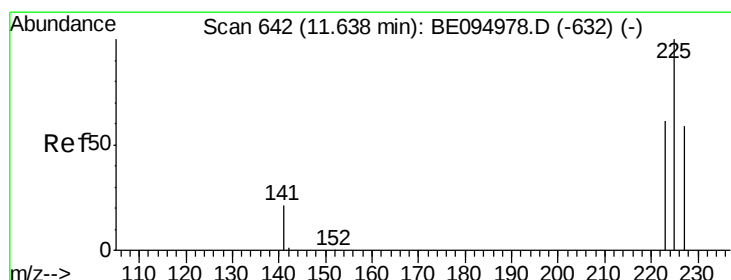
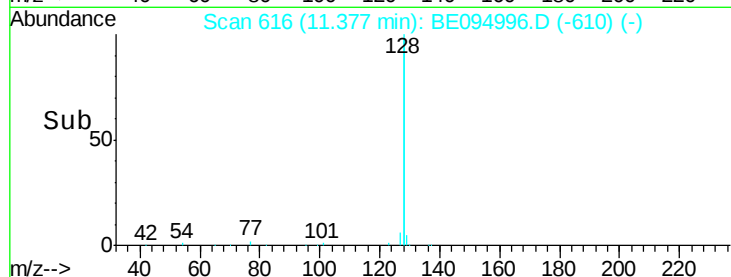
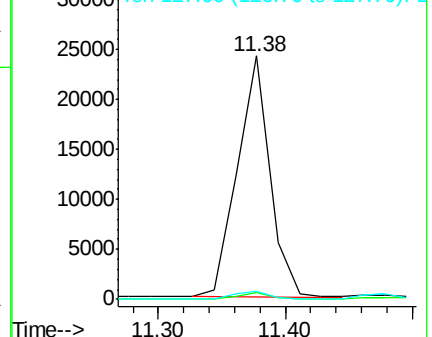
127 3.4 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.247 ng

RT: 11.64 min Scan# 642

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

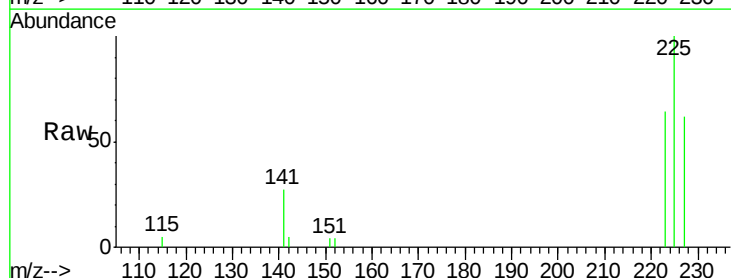
Tgt Ion:225 Resp: 1932

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

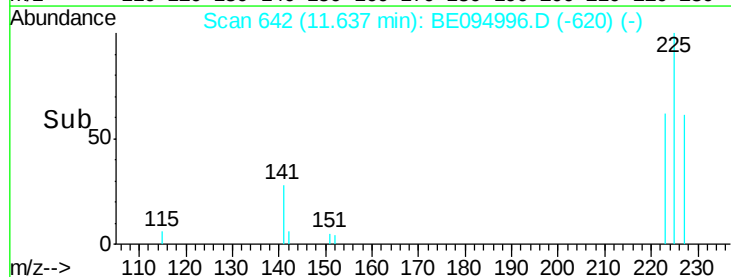
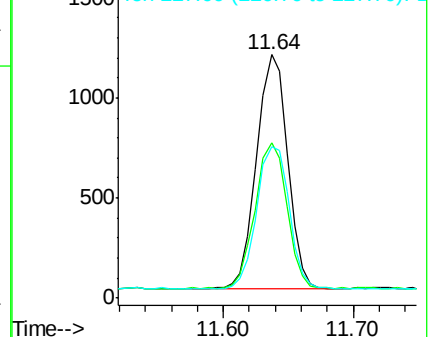
227 63.9 51.4 77.2

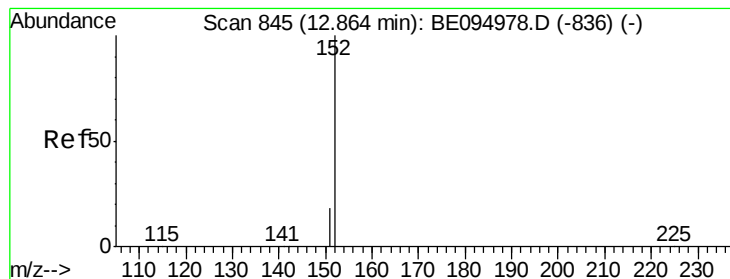


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

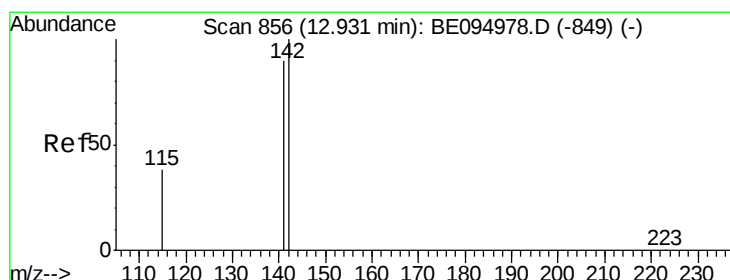
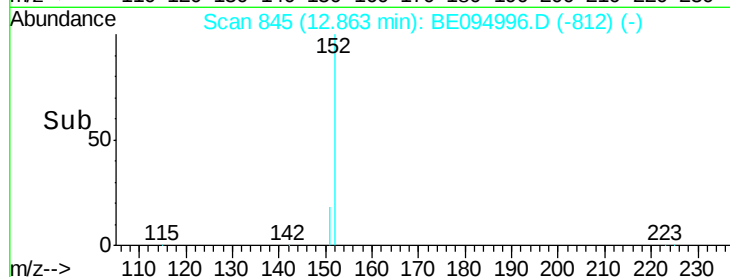
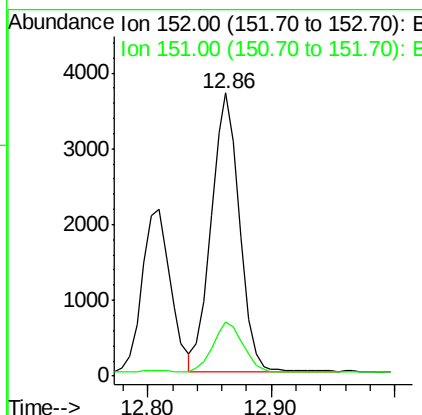
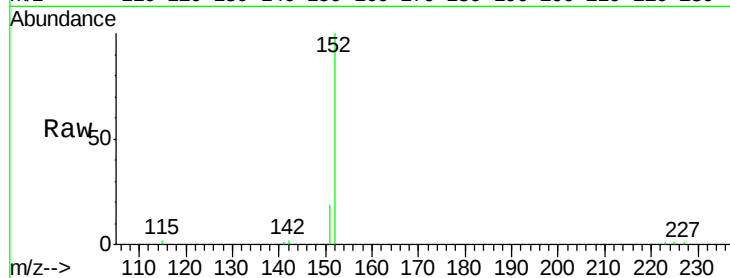




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.243 ng  
 RT: 12.86 min Scan# 845  
 Delta R.T. -0.00 min  
 Lab File: BE094996.D  
 Acq: 15 Dec 2017 11:44

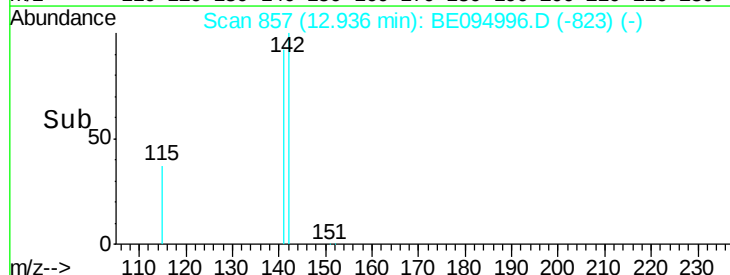
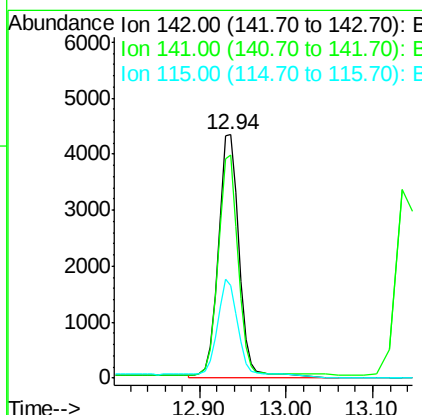
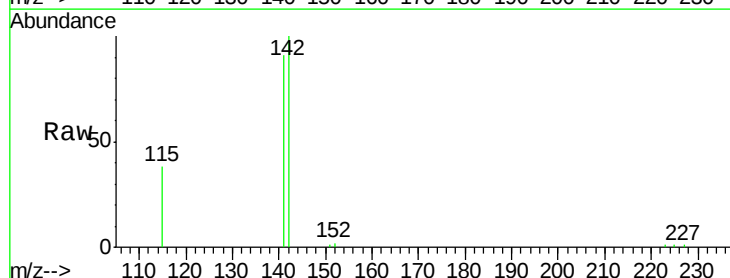
Instrument :  
 BNA\_E  
 ClientSampleId :

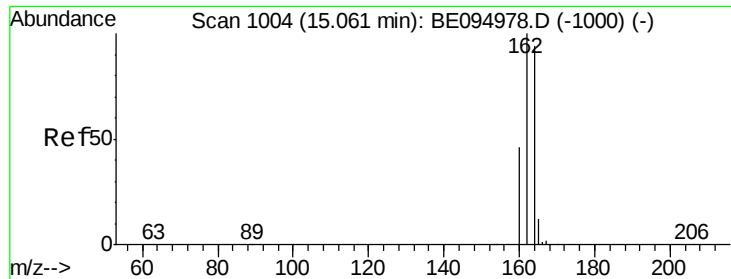
Tot Ion:152 Resp: 5837  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.4 23.0



#12  
 2-Methylnaphthalene  
 Concen: 0.245 ng  
 RT: 12.94 min Scan# 857  
 Delta R.T. 0.01 min  
 Lab File: BE094996.D  
 Acq: 15 Dec 2017 11:44

Tgt Ion:142 Resp: 10549  
 Ion Ratio Lower Upper  
 142 100  
 141 91.5 70.4 105.6  
 115 38.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

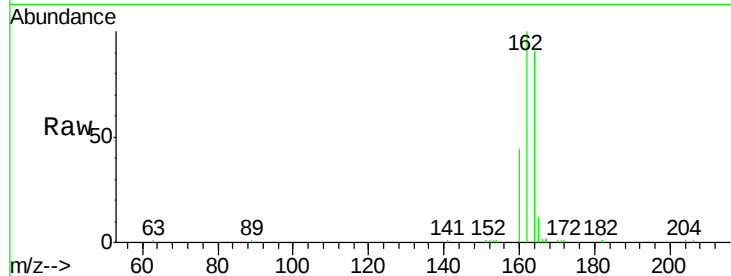
Tot Ion:164 Resp: 7351

Ion Ratio Lower Upper

164 100

162 109.7 83.1 124.7

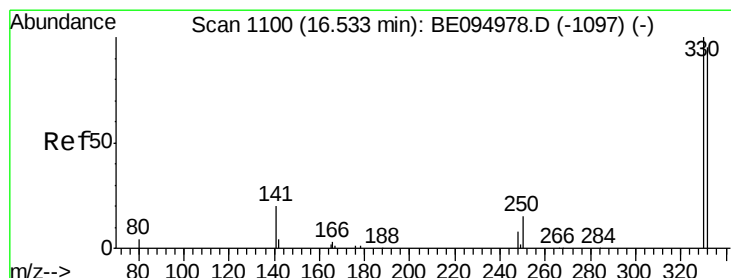
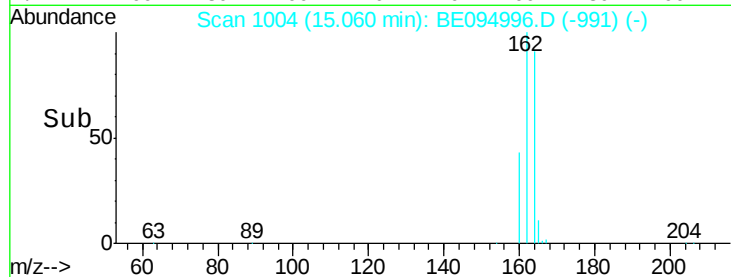
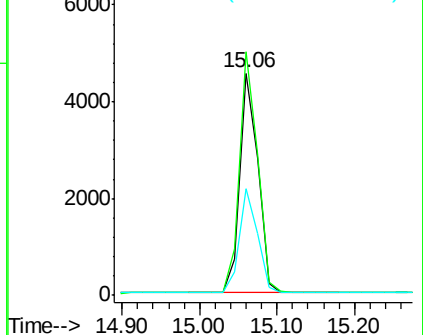
160 47.8 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.272 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

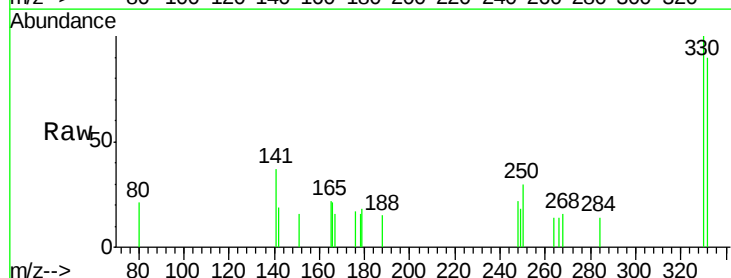
Tgt Ion:330 Resp: 464

Ion Ratio Lower Upper

330 100

332 96.3 152.7 229.1#

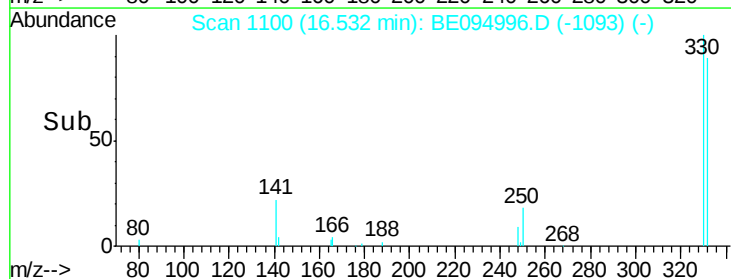
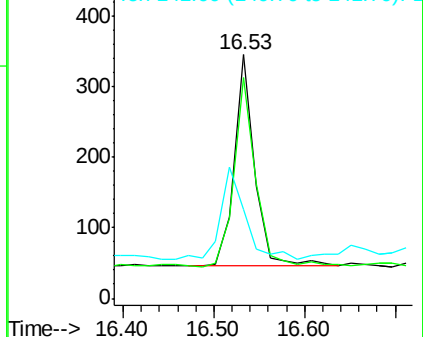
141 50.4 33.7 50.5

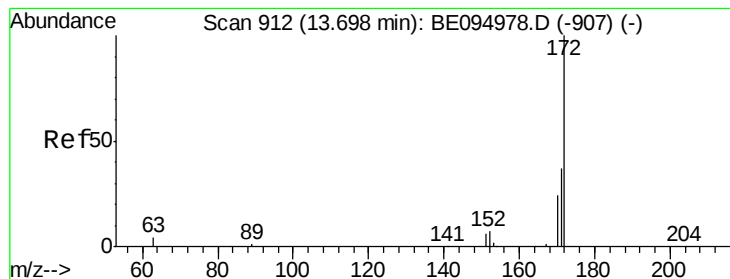


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.274 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.01 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

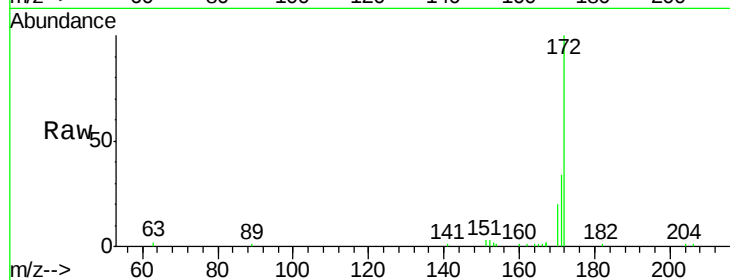
Tot Ion:172 Resp: 8924

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

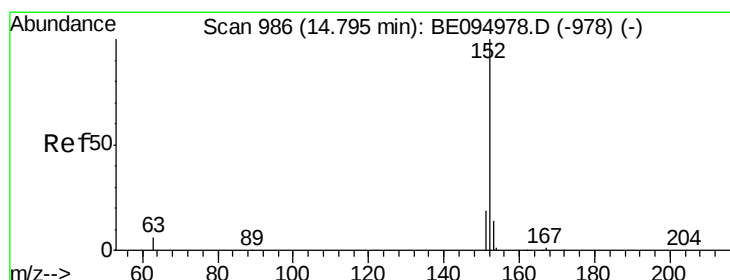
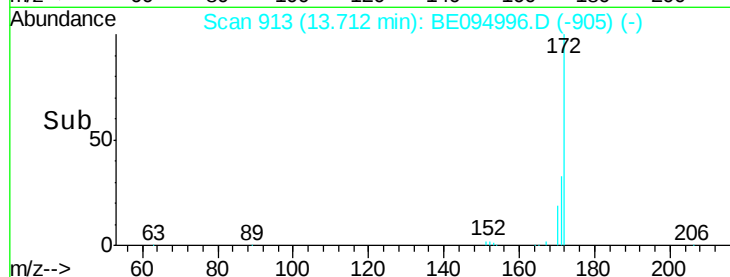
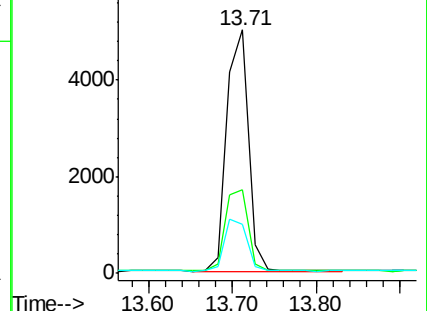
170 20.1 21.8 32.8#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.235 ng

RT: 14.79 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

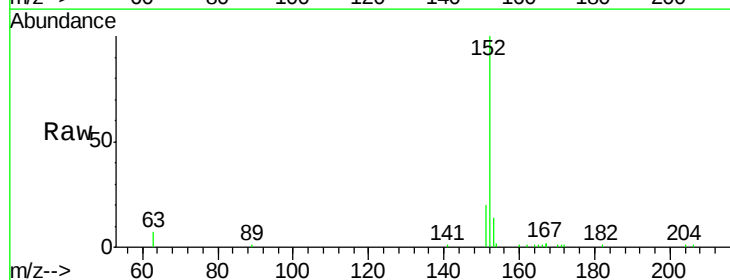
Tgt Ion:152 Resp: 9252

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

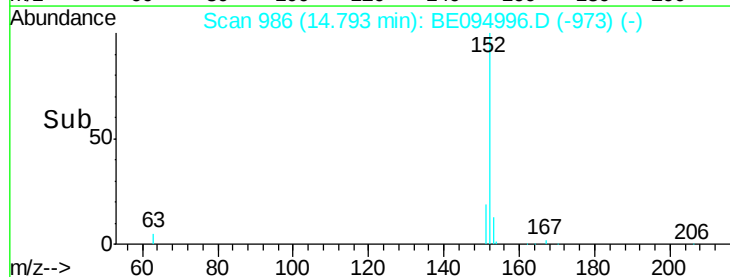
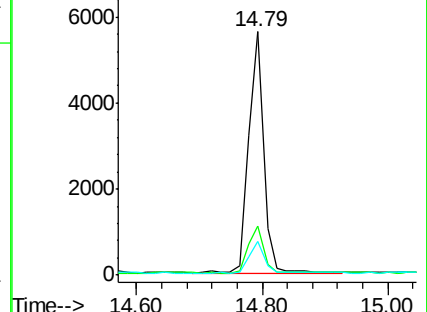
153 13.2 10.5 15.7

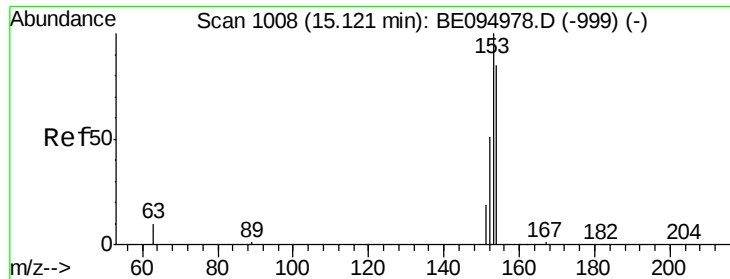


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

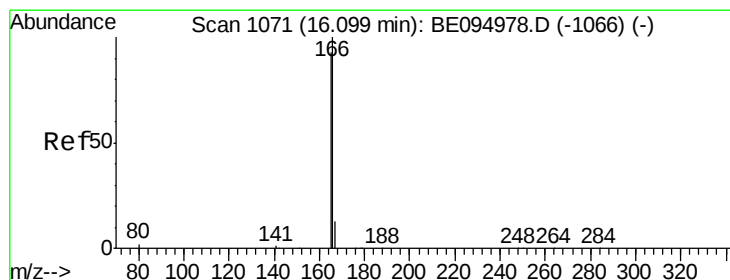
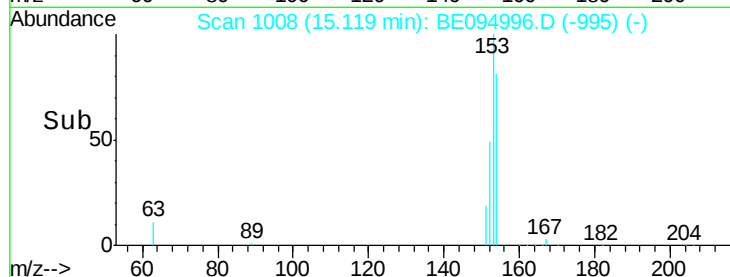
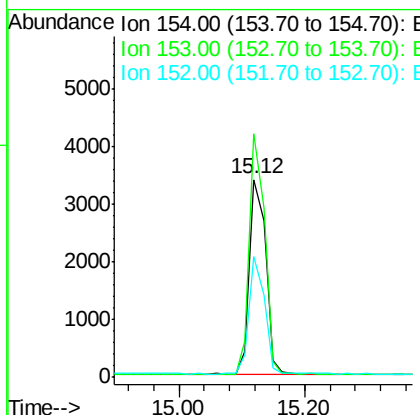
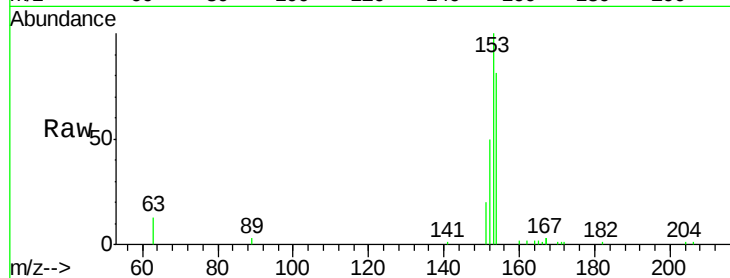




#17  
Acenaphthene  
Concen: 0.232 ng  
RT: 15.12 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: BE094996.D  
Acq: 15 Dec 2017 11:44

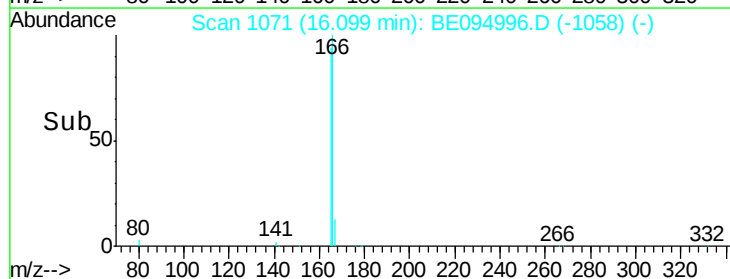
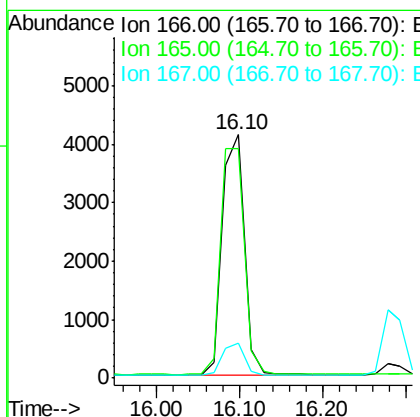
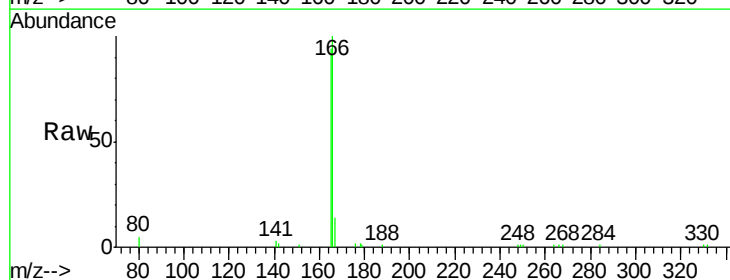
Instrument :  
BNA\_E  
ClientSampleId :

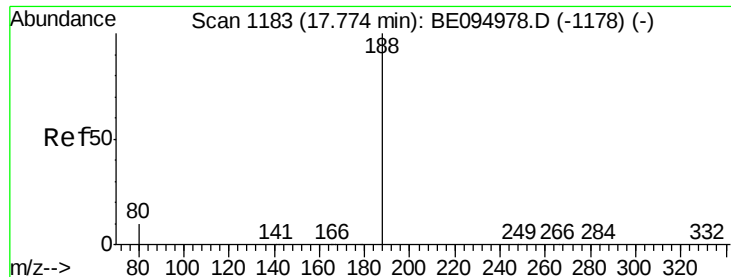
Tot Ion:154 Resp: 6039  
Ion Ratio Lower Upper  
154 100  
153 116.1 89.2 133.8  
152 58.3 42.0 63.0



#18  
Fluorene  
Concen: 0.235 ng  
RT: 16.10 min Scan# 1071  
Delta R.T. -0.00 min  
Lab File: BE094996.D  
Acq: 15 Dec 2017 11:44

Tgt Ion:166 Resp: 7603  
Ion Ratio Lower Upper  
166 100  
165 101.2 77.8 116.6  
167 13.3 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

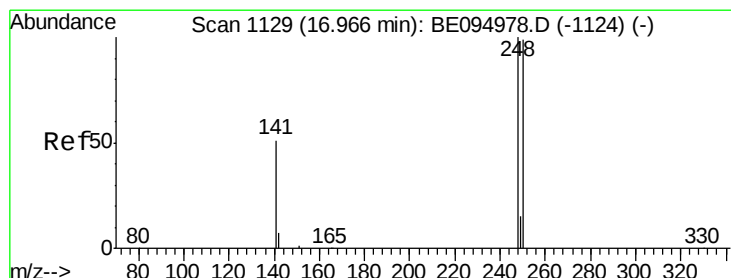
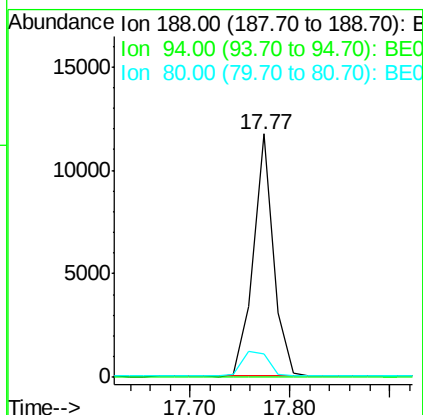
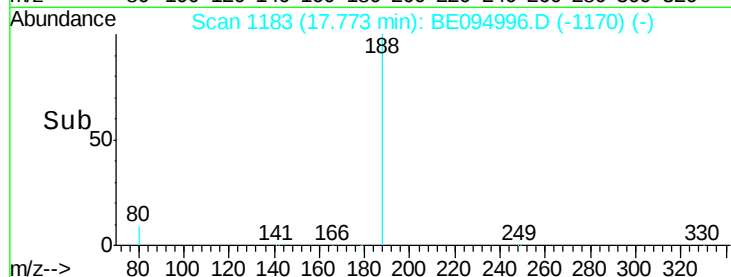
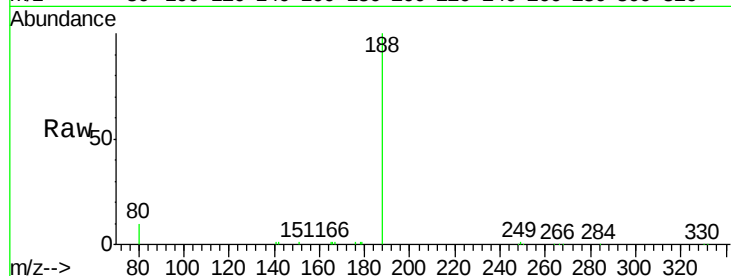
Tot Ion:188 Resp: 16629

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.8 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.249 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

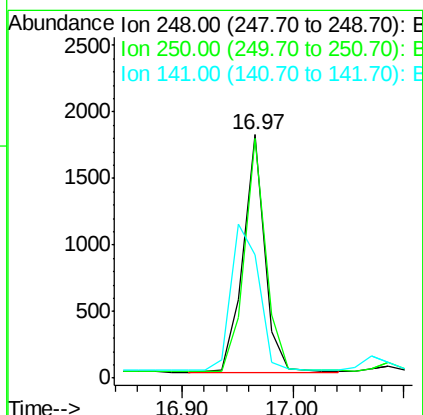
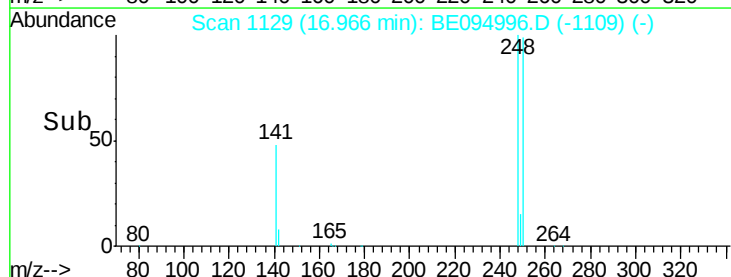
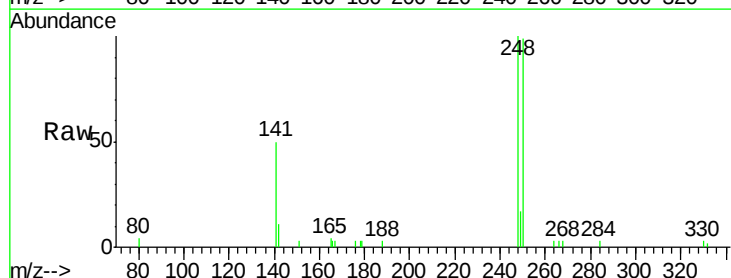
Tgt Ion:248 Resp: 2426

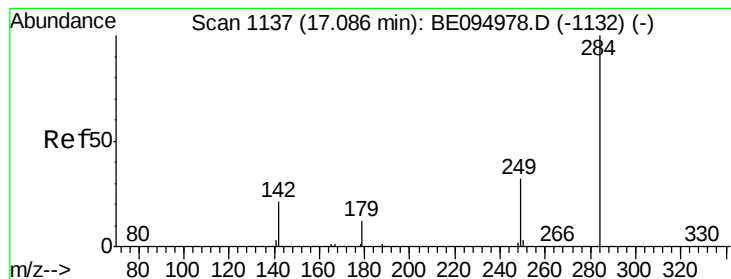
Ion Ratio Lower Upper

248 100

250 98.7 62.7 94.1#

141 50.5 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.248 ng

RT: 17.09 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

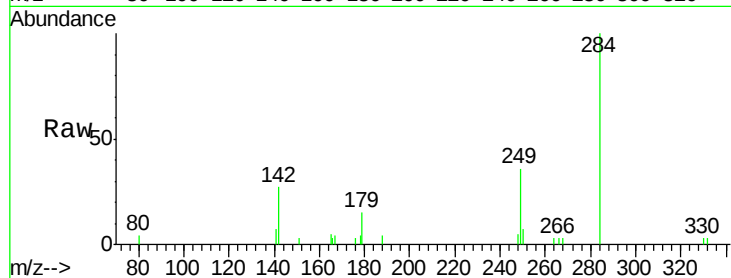
Tot Ion:284 Resp: 2470

Ion Ratio Lower Upper

284 100

142 41.3 22.1 33.1#

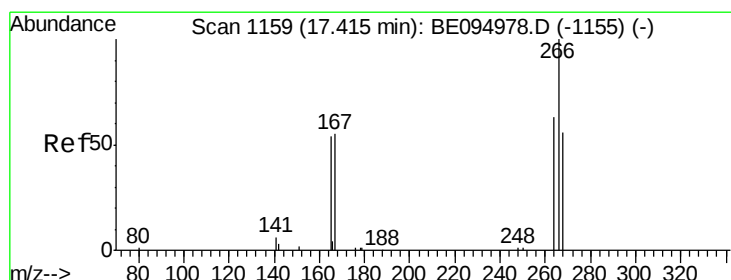
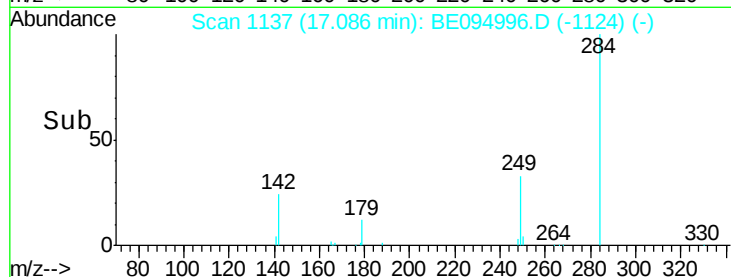
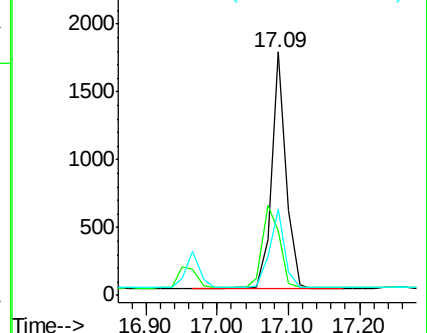
249 34.8 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.526 ng

RT: 17.41 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

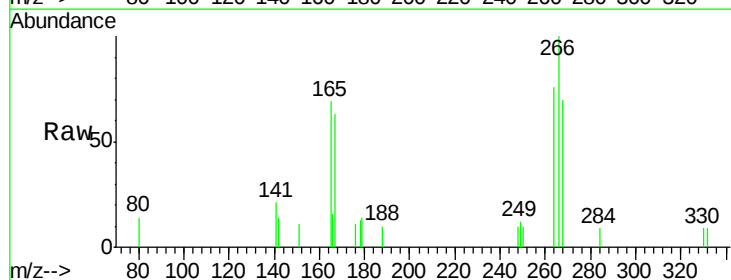
Tgt Ion:266 Resp: 1101

Ion Ratio Lower Upper

266 100

264 75.9 72.5 108.7

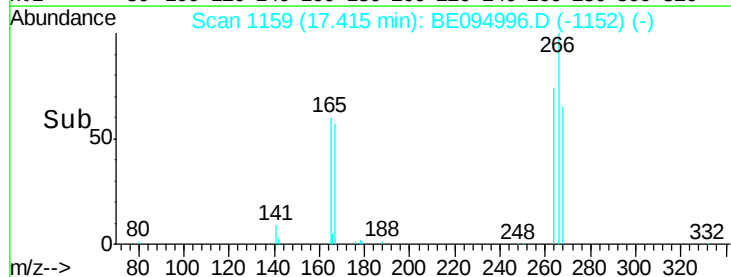
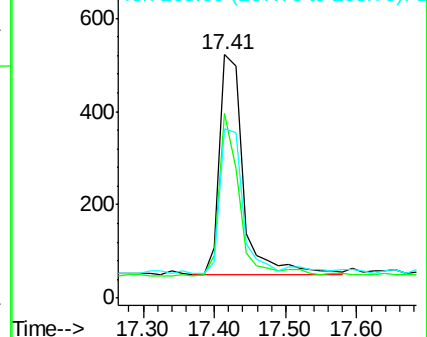
268 69.5 73.8 110.6#

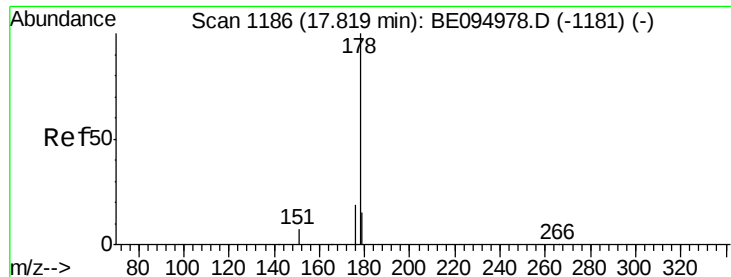


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.248 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

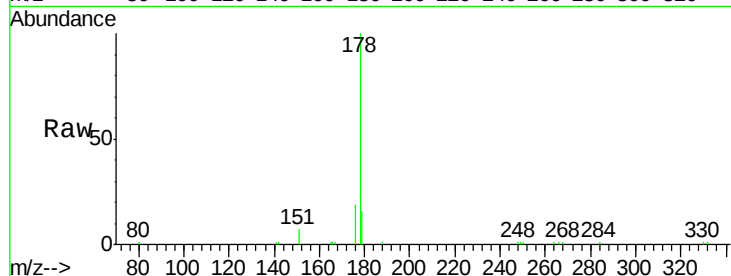
Instrument :

BNA\_E

ClientSampled :

Tot Ion:178 Resp: 12850

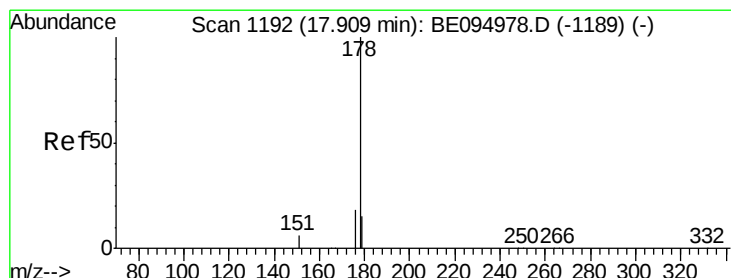
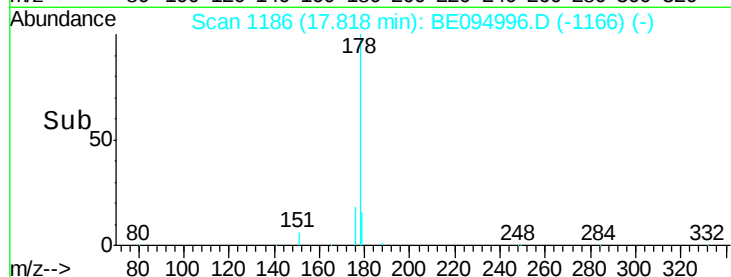
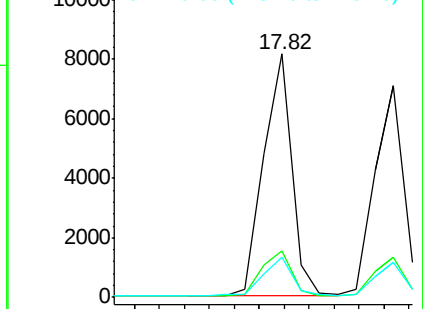
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.0  | 15.1  | 22.7  |
| 179 | 15.8  | 11.8  | 17.6  |



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



#24

Anthracene

Concen: 0.252 ng

RT: 17.91 min Scan# 1192

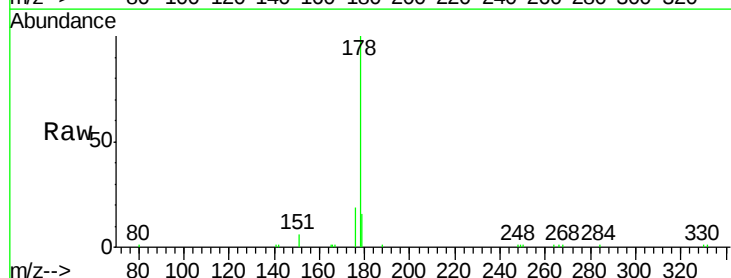
Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Tgt Ion:178 Resp: 13396

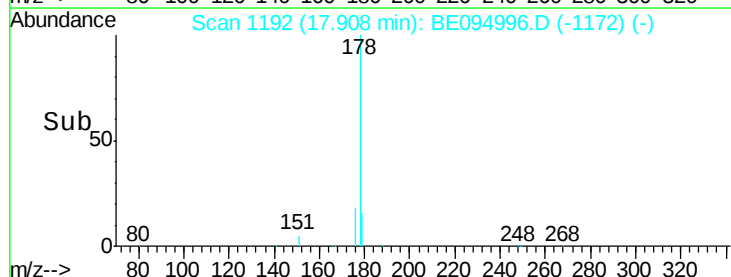
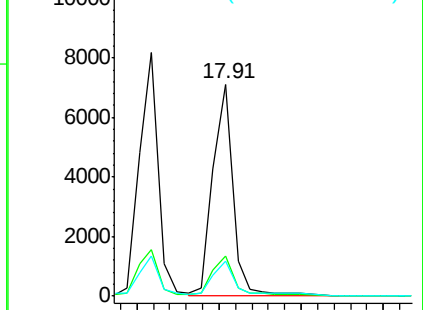
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 22.1  | 12.8  | 19.2# |
| 179 | 19.7  | 13.0  | 19.6# |

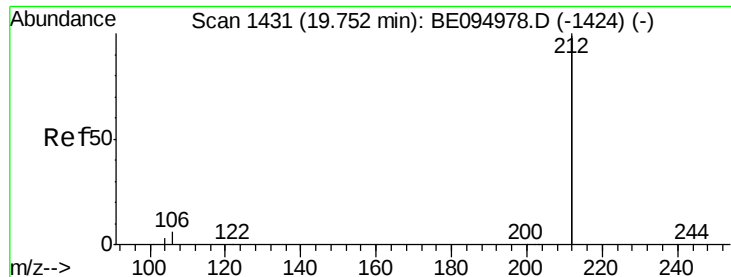


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

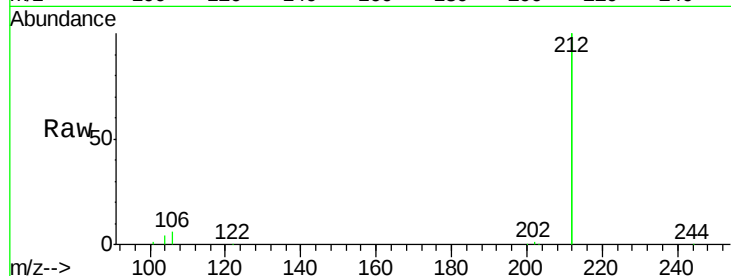
Tot Ion:212 Resp: 52510

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

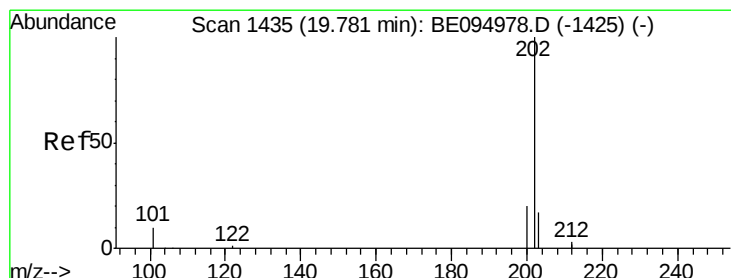
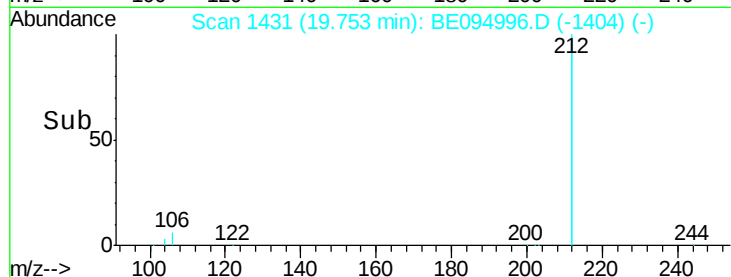
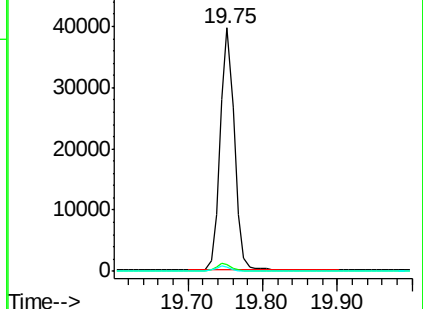
104 2.0 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.245 ng

RT: 19.78 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

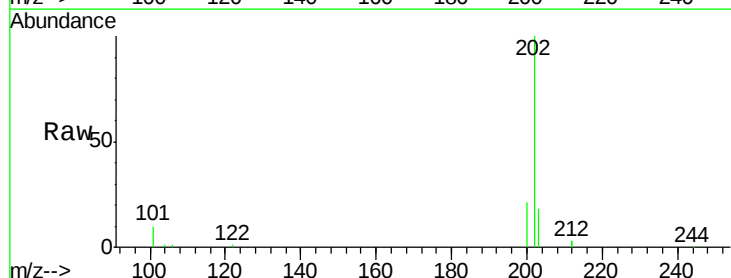
Tgt Ion:202 Resp: 15649

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

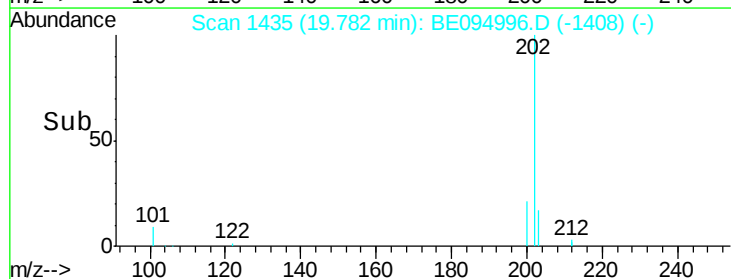
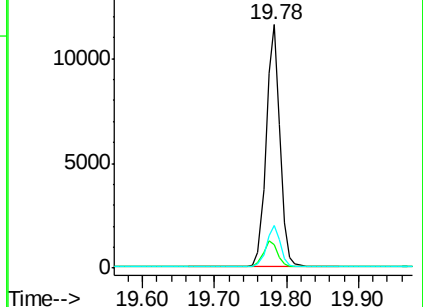
203 17.8 13.7 20.5

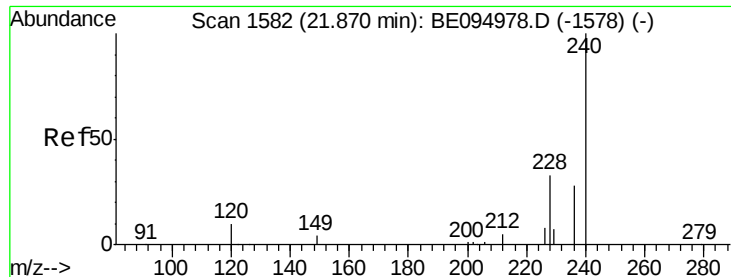


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

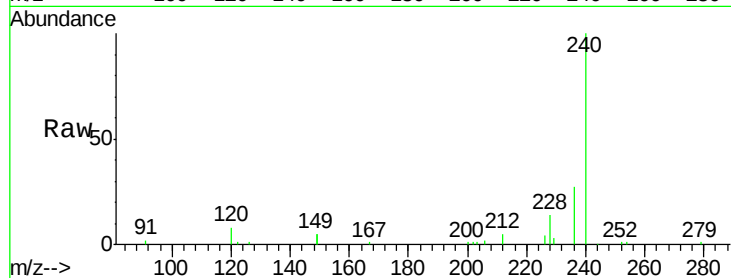
Tot Ion:240 Resp: 19170

Ion Ratio Lower Upper

240 100

120 8.2 5.5 8.3

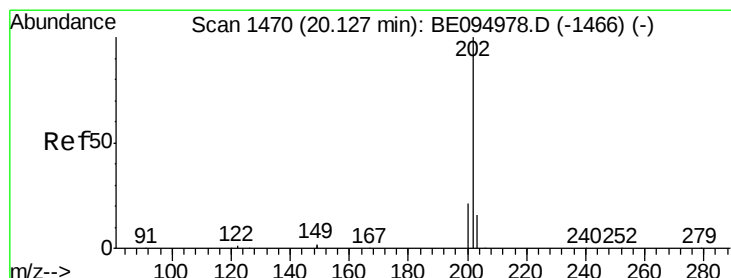
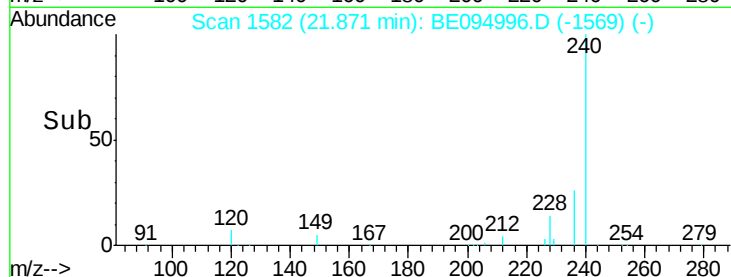
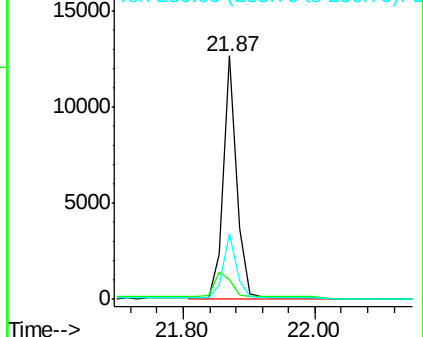
236 26.8 20.7 31.1



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



#28

Pyrene

Concen: 0.262 ng

RT: 20.13 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

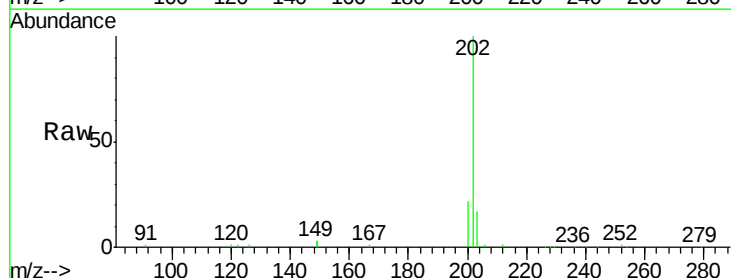
Tgt Ion:202 Resp: 17010

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

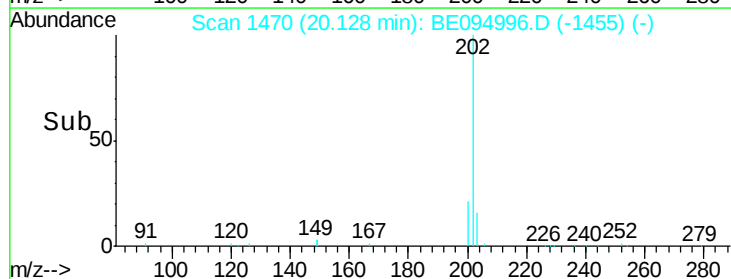
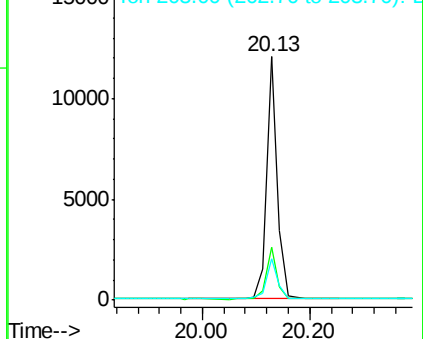
203 19.6 13.8 20.8

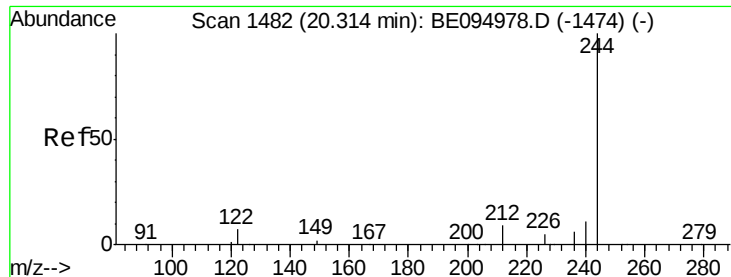


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.293 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

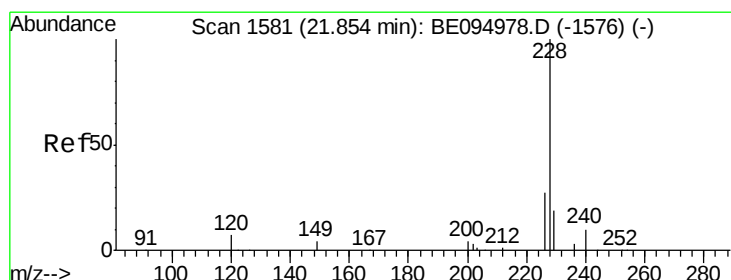
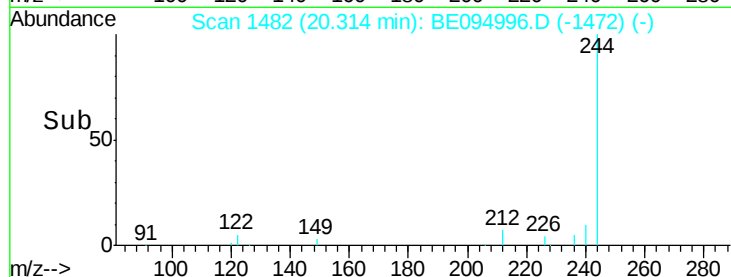
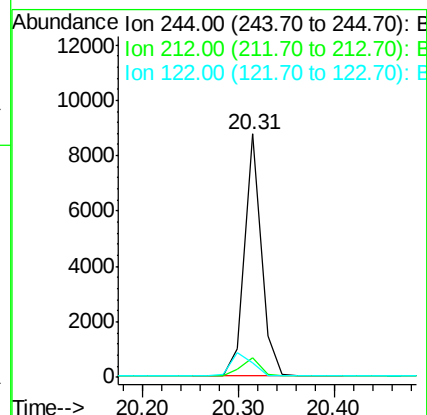
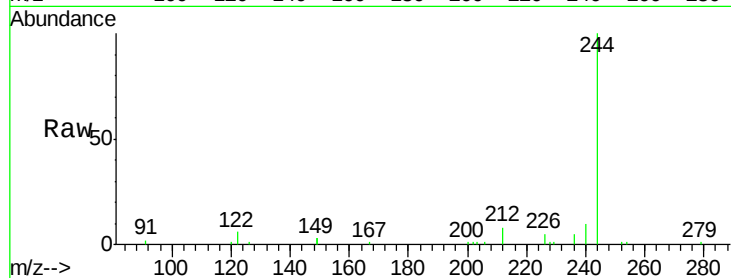
Tot Ion:244 Resp: 10561

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

122 5.9 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.278 ng

RT: 21.86 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

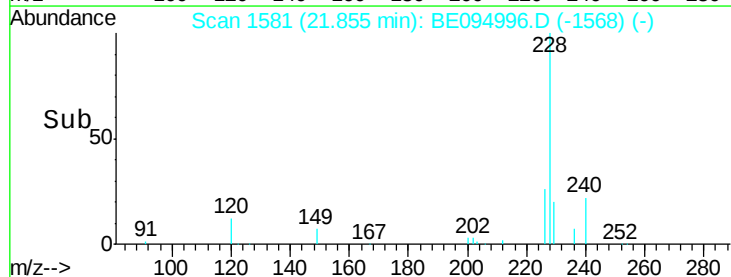
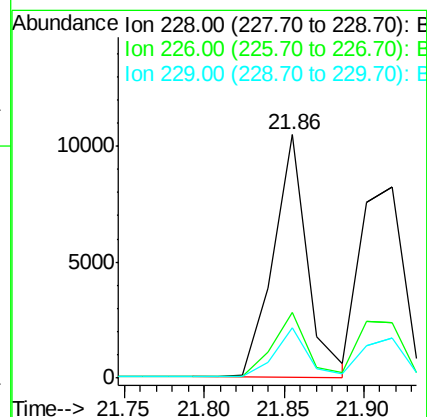
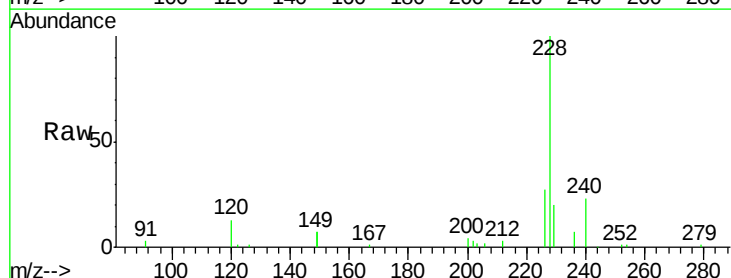
Tgt Ion:228 Resp: 15553

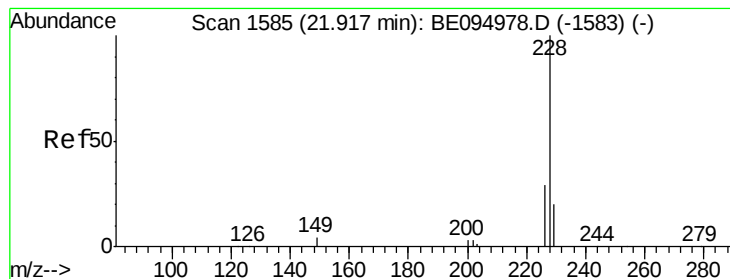
Ion Ratio Lower Upper

228 100

226 26.8 40.0 60.0#

229 20.4 40.0 60.0#





#31

Chrysene

Concen: 0.272 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

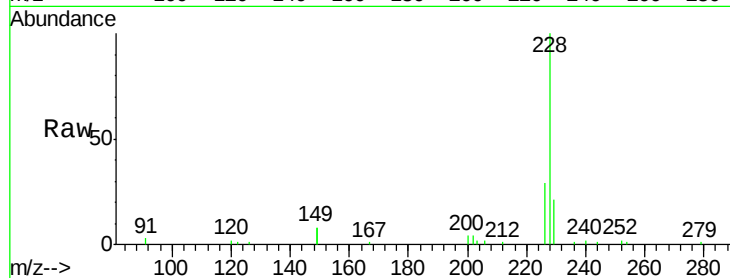
Tot Ion:228 Resp: 17154

Ion Ratio Lower Upper

228 100

226 28.8 40.0 60.0#

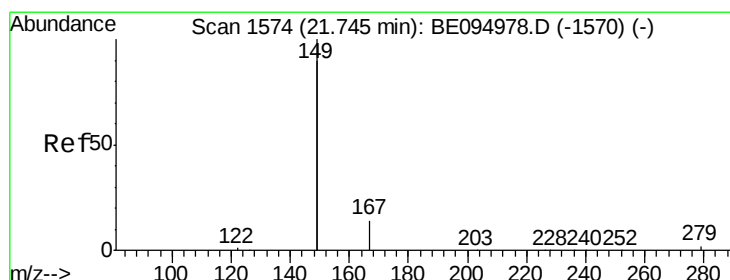
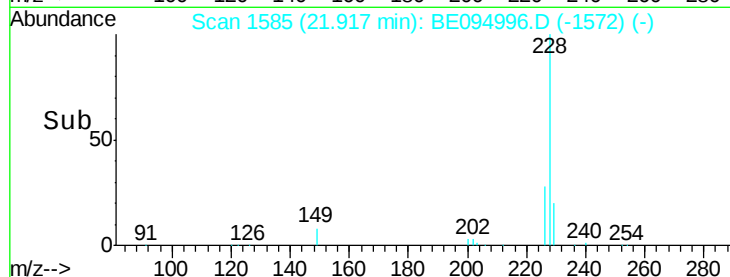
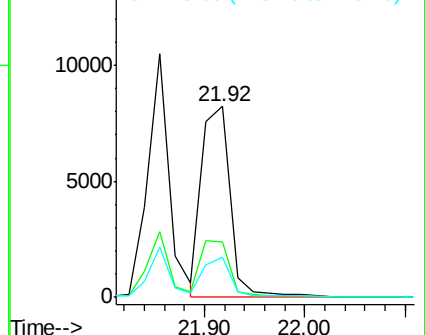
229 21.0 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.249 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

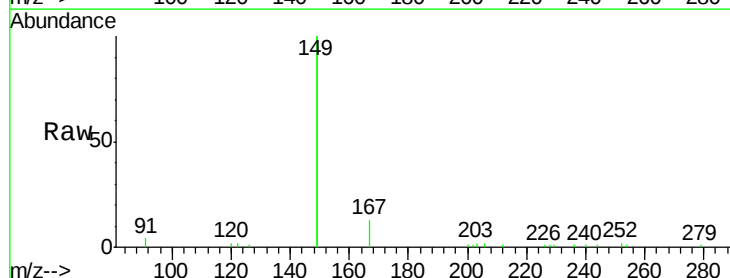
Tgt Ion:149 Resp: 17768

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

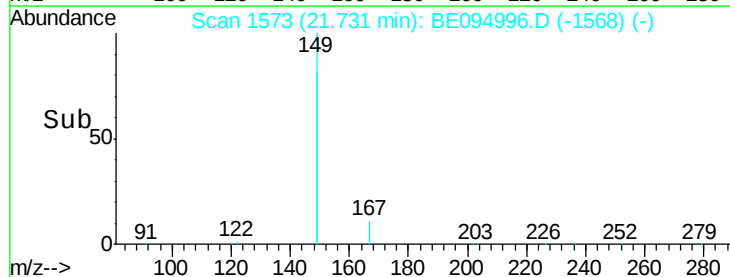
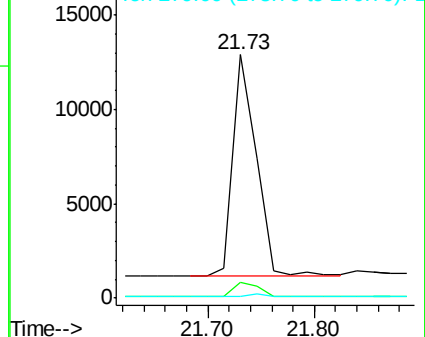
279 1.0 0.7 1.1

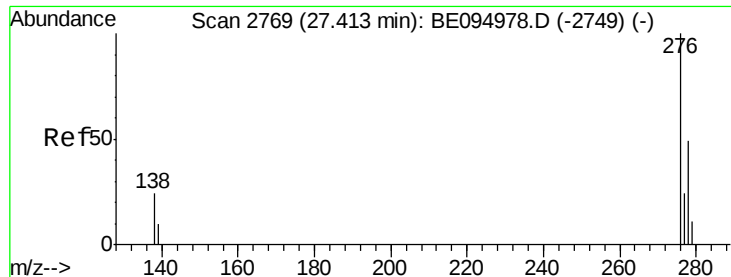


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

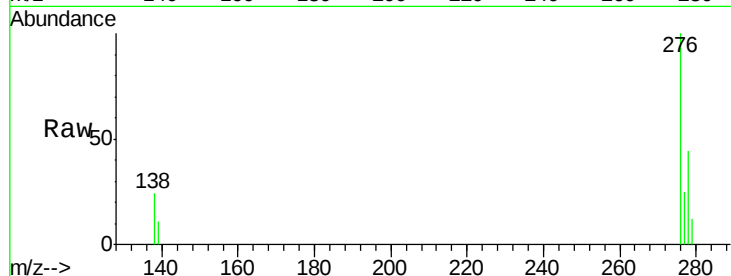




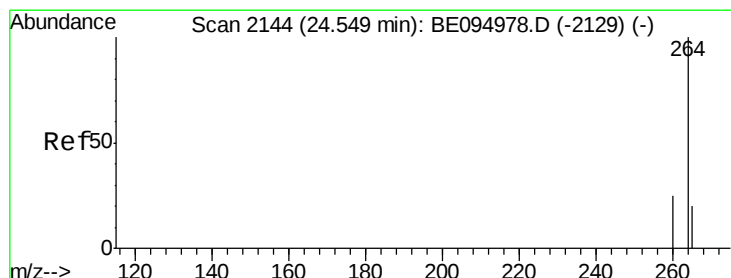
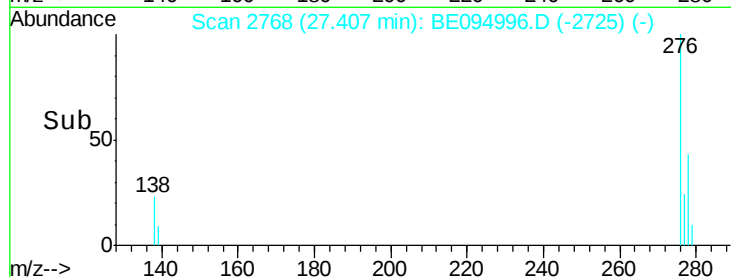
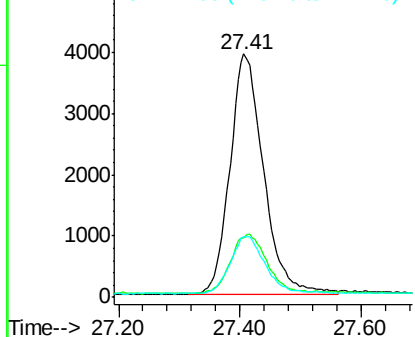
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.293 ng  
RT: 27.41 min Scan# 2768  
Delta R.T. -0.01 min  
Lab File: BE094996.D  
Acq: 15 Dec 2017 11:44

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:276 Resp: 15065  
Ion Ratio Lower Upper  
276 100  
138 26.9 22.5 33.7  
277 24.7 19.9 29.9

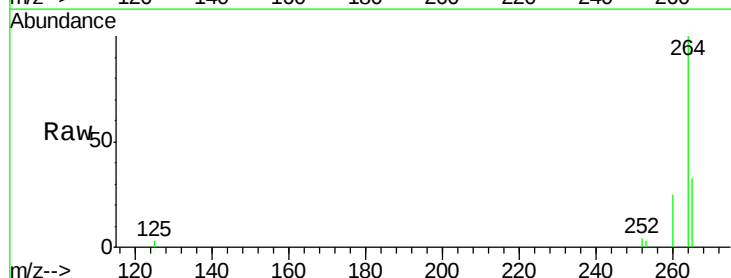


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

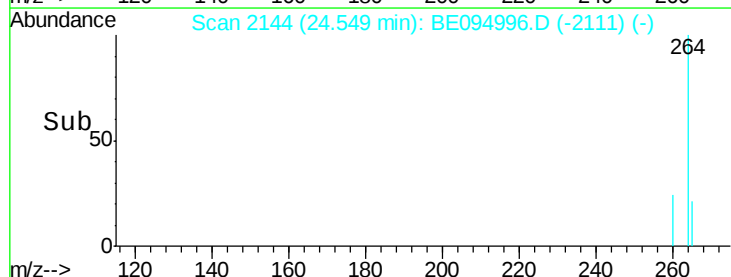
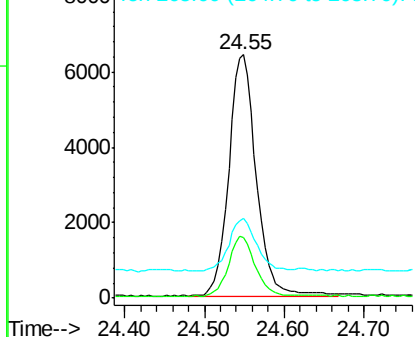


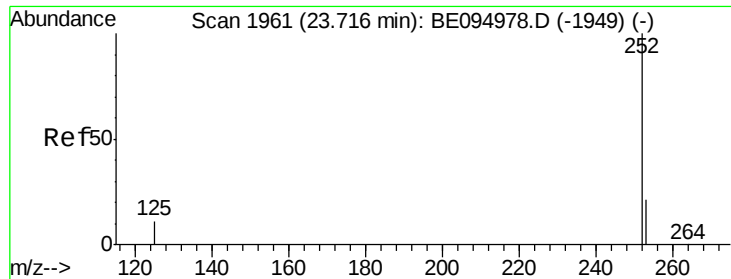
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.55 min Scan# 2144  
Delta R.T. -0.00 min  
Lab File: BE094996.D  
Acq: 15 Dec 2017 11:44

Tgt Ion:264 Resp: 15240  
Ion Ratio Lower Upper  
264 100  
260 25.0 20.5 30.7  
265 32.7 22.8 34.2



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





#35

Benzo(b)fluoranthene

Concen: 0.264 ng

RT: 23.72 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

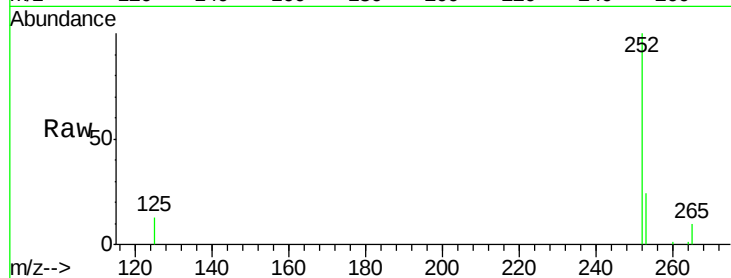
Tot Ion:252 Resp: 14793

Ion Ratio Lower Upper

252 100

253 23.6 20.0 30.0

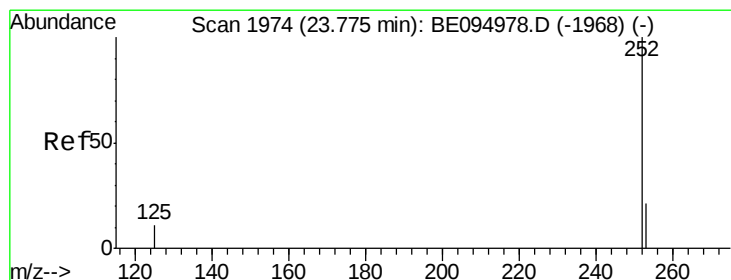
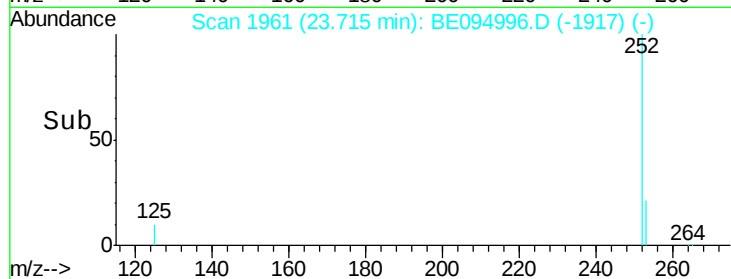
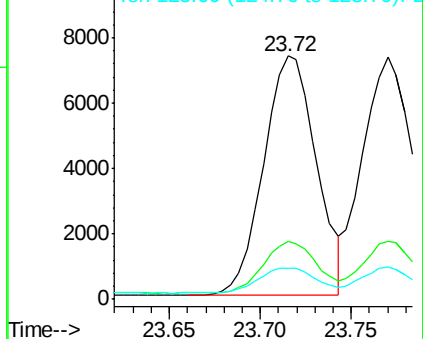
125 12.9 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.257 ng

RT: 23.77 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

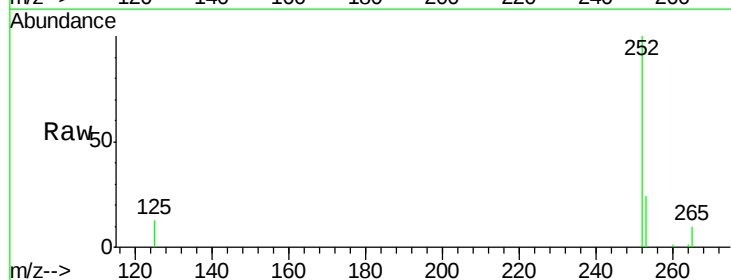
Tgt Ion:252 Resp: 14555

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

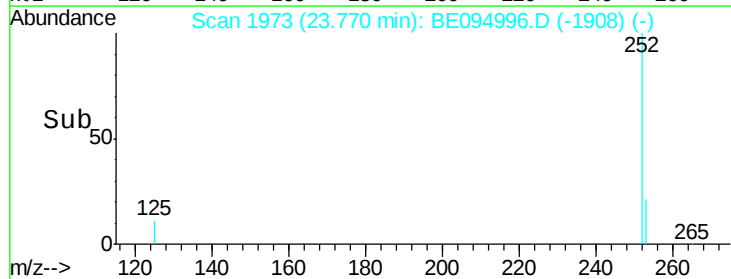
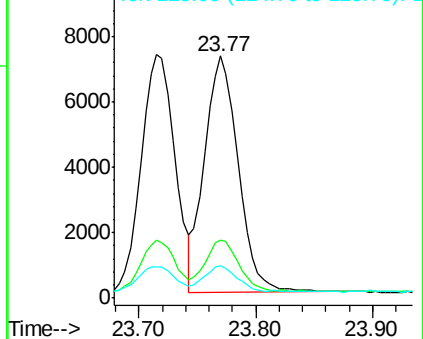
125 13.2 8.0 12.0#

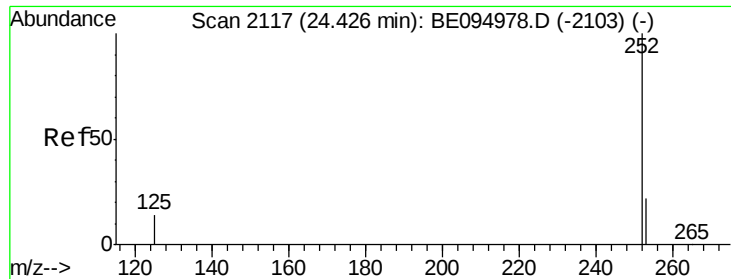


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.273 ng

RT: 24.43 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :

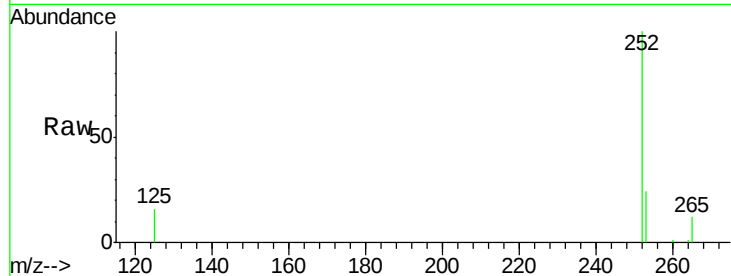
Tot Ion:252 Resp: 13546

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

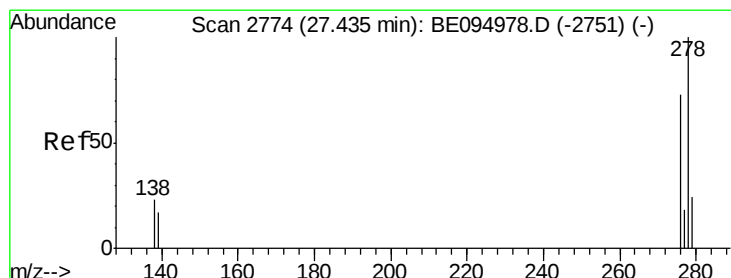
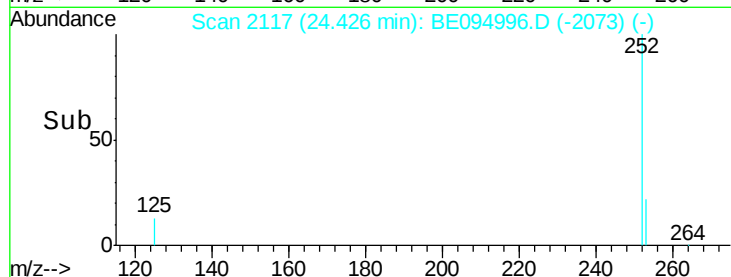
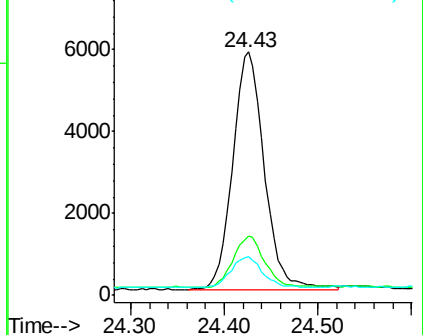
125 15.7 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

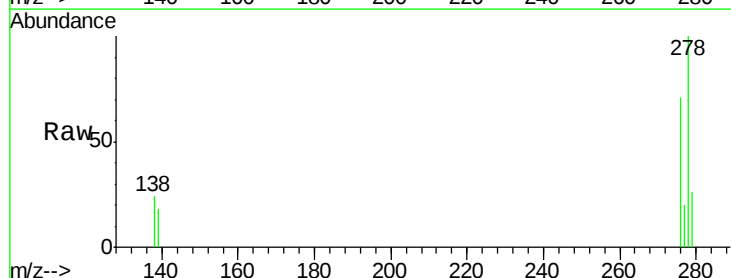
Tgt Ion:278 Resp: 12349

Ion Ratio Lower Upper

278 100

139 18.2 16.0 24.0

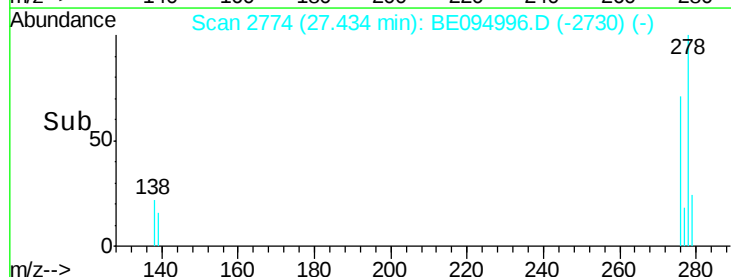
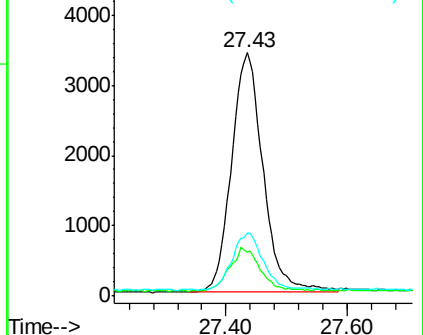
279 25.9 20.0 30.0

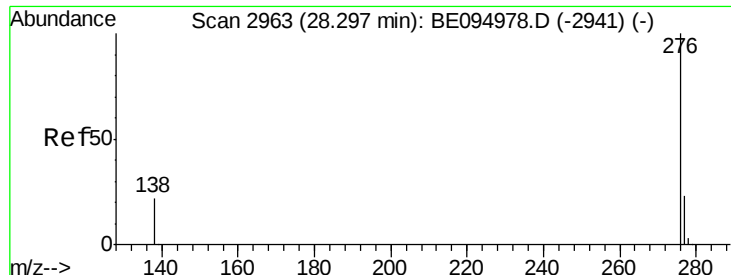


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.285 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

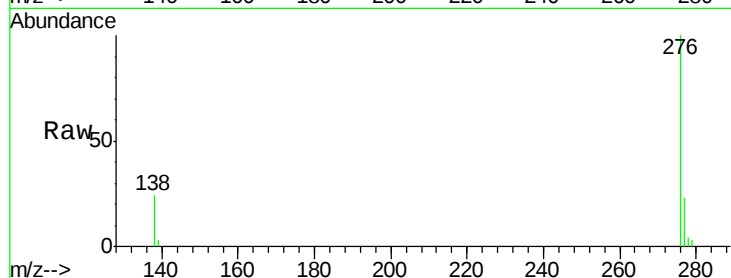
Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 276 Resp: 13063

Ion Ratio Lower Upper

276 100

277 23.2 16.0 24.0

138 23.8 20.0 30.0

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

