

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061217\  
 Data File : BE093109.D  
 Acq On : 12 Jun 2017 19:43  
 Operator : SJ/MA  
 Sample : PB99586BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB99586BSD

Quant Time: Jun 13 01:11:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 12 14:07:54 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 661      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 2771     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.37 | 164  | 1183     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 2159     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 2525     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 1899     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.35  | 112  | 737      | 0.38 | ng    | 0.00     |
| 5) Phenol-d6                | 6.90  | 99   | 978      | 0.34 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.88  | 82   | 839      | 0.38 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152  | 1381     | 0.33 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330  | 84       | 0.31 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.99 | 172  | 1997     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.12 | 212  | 2269     | 0.32 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.72 | 244  | 2014     | 0.41 | ng    | 0.00     |

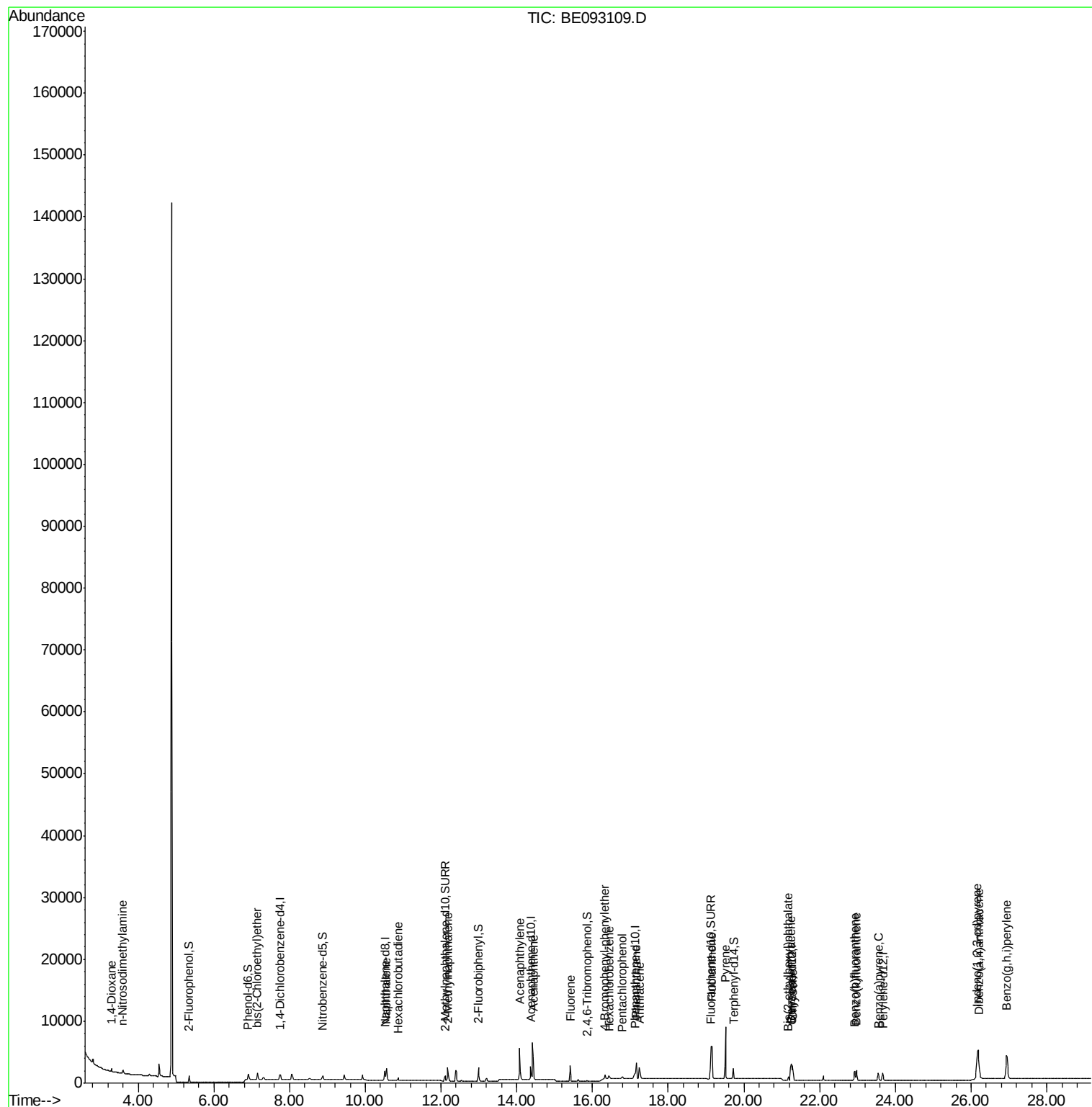
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 364      | 0.248 | ng    | # 15   |
| 3) n-Nitrosodimethylamine      | 3.59  | 42   | 443      | 0.354 | ng    | 100    |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93   | 897      | 0.359 | ng    | # 98   |
| 9) Naphthalene                 | 10.56 | 128  | 2580     | 0.347 | ng    | 98     |
| 10) Hexachlorobutadiene        | 10.87 | 225  | 352      | 0.349 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.18 | 142  | 1584     | 0.343 | ng    | 98     |
| 16) Acenaphthylene             | 14.08 | 152  | 6821     | 0.331 | ng    | 100    |
| 17) Acenaphthene               | 14.44 | 154  | 1391     | 0.363 | ng    | 90     |
| 18) Fluorene                   | 15.41 | 166  | 1536     | 0.332 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248  | 485      | 0.369 | ng    | # 81   |
| 21) Hexachlorobenzene          | 16.44 | 284  | 418      | 0.361 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.79 | 266  | 242      | 0.649 | ng    | 88     |
| 23) Phenanthrene               | 17.16 | 178  | 3383     | 0.347 | ng    | 99     |
| 24) Anthracene                 | 17.25 | 178  | 2596     | 0.314 | ng    | 100    |
| 26) Fluoranthene               | 19.16 | 202  | 10761    | 0.304 | ng    | # 99   |
| 28) Pyrene                     | 19.51 | 202  | 11324    | 0.368 | ng    | # 97   |
| 30) Benzo(a)anthracene         | 21.23 | 228  | 2324     | 0.341 | ng    | # 85   |
| 31) Chrysene                   | 21.28 | 228  | 2634     | 0.362 | ng    | # 87   |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 652      | 0.224 | ng    | # 95   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.17 | 276  | 10205    | 0.375 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 22.93 | 252  | 2402     | 0.394 | ng    | 96     |
| 36) Benzo(k)fluoranthene       | 22.97 | 252  | 2160     | 0.367 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.55 | 252  | 1980     | 0.375 | ng    | 96     |
| 38) Dibenzo(a,h)anthracene     | 26.20 | 278  | 2241     | 0.408 | ng    | 96     |
| 39) Benzo(g,h,i)perylene       | 26.94 | 276  | 9289     | 0.418 | ng    | 96     |

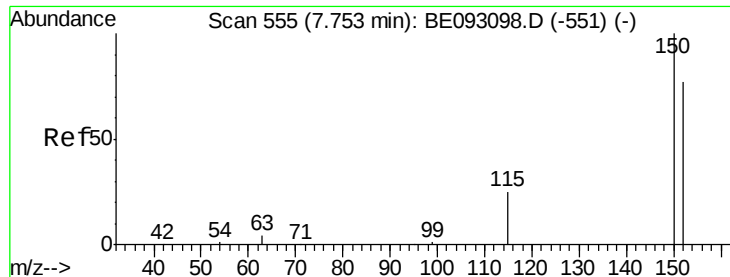
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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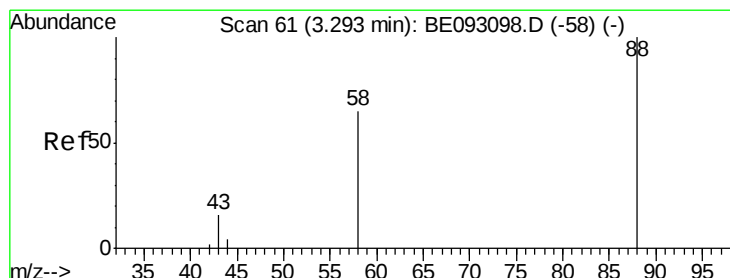
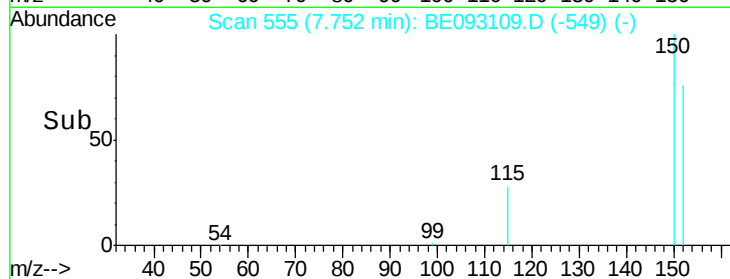
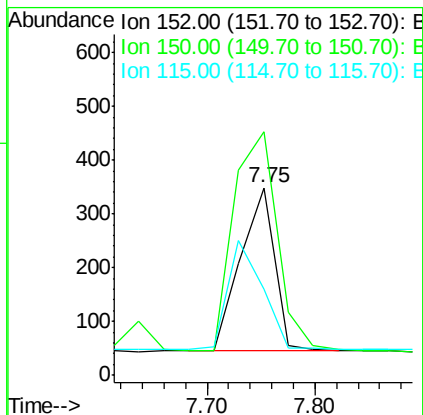
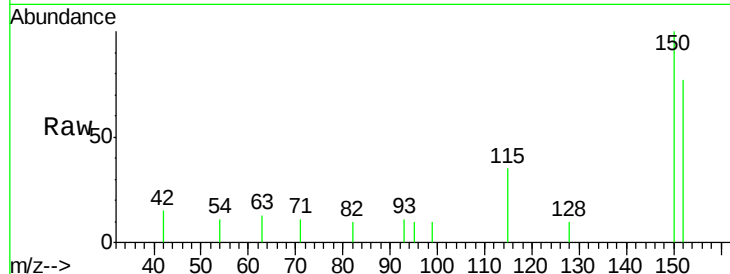


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.75 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

Instrument :  
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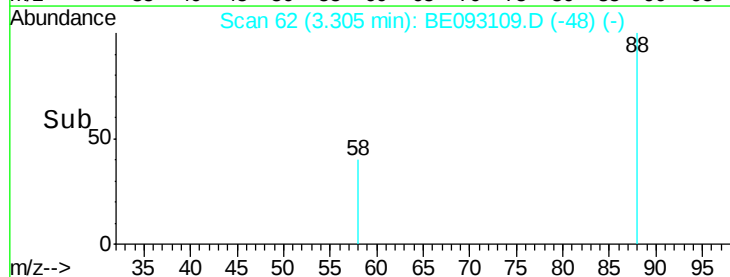
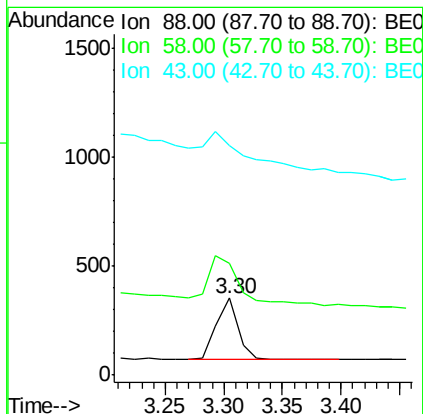
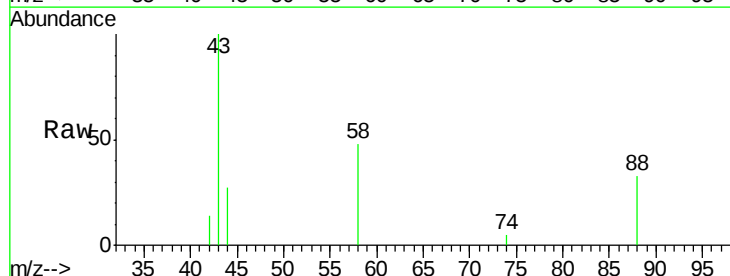
Tgt Ion: 152 Resp: 661  
Ion Ratio Lower Upper  
152 100  
150 129.8 125.1 187.7  
115 45.8 55.7 83.5#

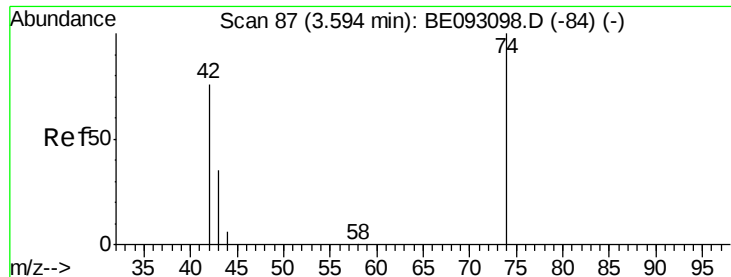


#2

1,4-Dioxane  
Concen: 0.248 ng  
RT: 3.30 min Scan# 62  
Delta R.T. 0.01 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

Tgt Ion: 88 Resp: 364  
Ion Ratio Lower Upper  
88 100  
58 112.4 62.2 93.4#  
43 139.8 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.354 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

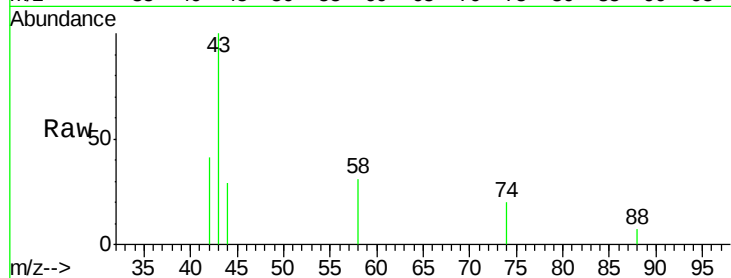
Tgt Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

74 124.4 99.1 148.7

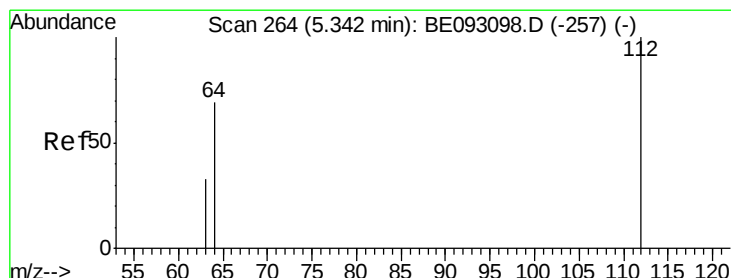
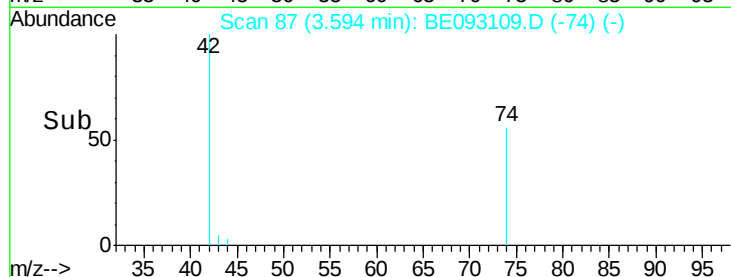
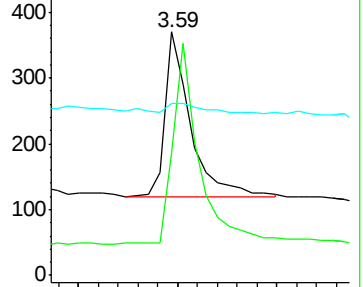
44 9.0 7.4 11.2



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.378 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

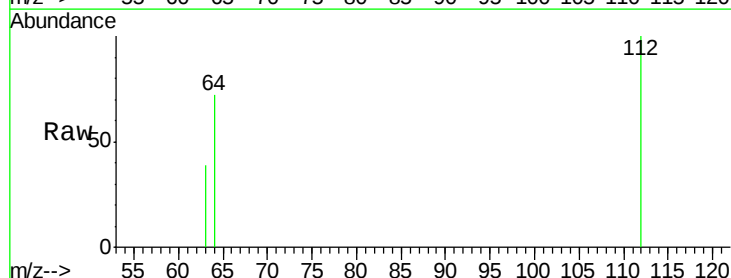
Tgt Ion: 112 Resp: 737

Ion Ratio Lower Upper

112 100

64 70.4 56.4 84.6

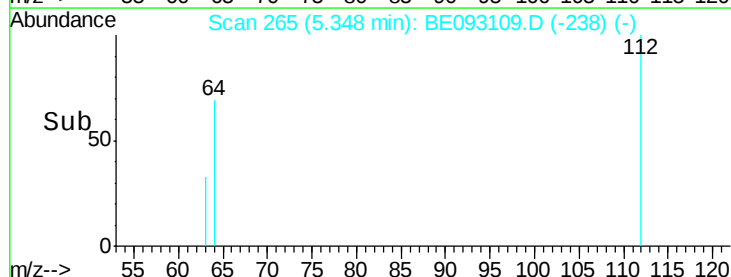
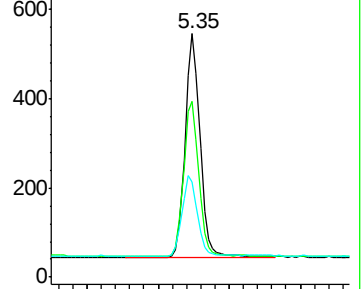
63 36.9 29.3 43.9

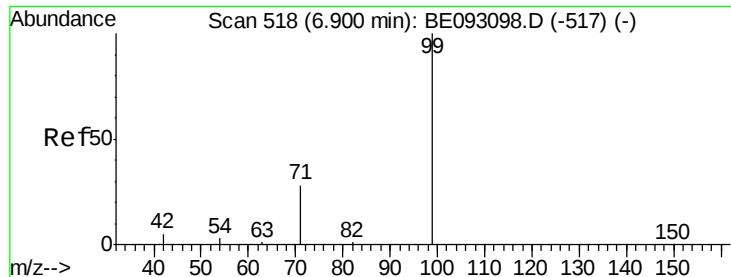


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

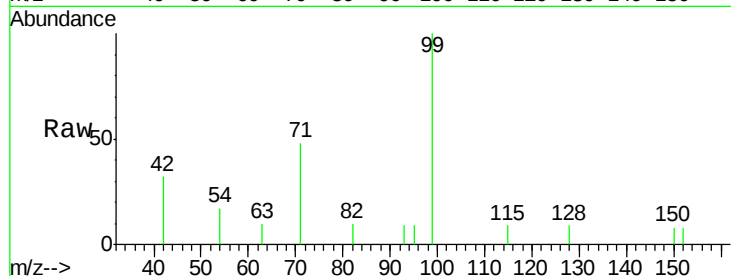
Tgt Ion: 99 Resp: 978

Ion Ratio Lower Upper

99 100

42 21.0 0.0 0.0#

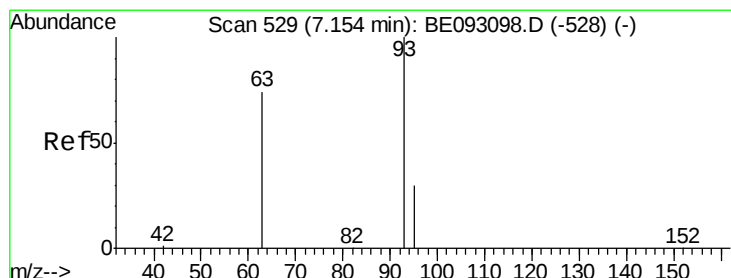
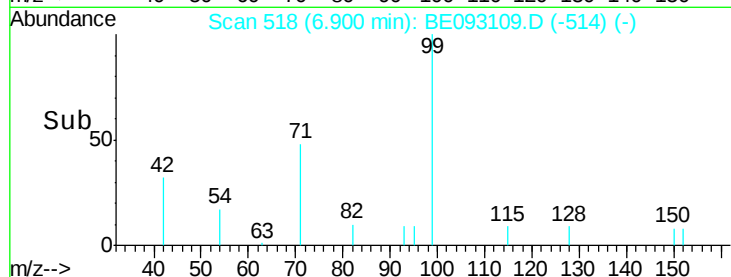
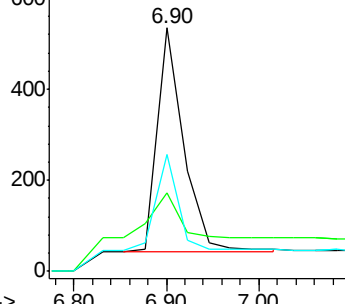
71 35.6 0.0 0.0#



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: 0.359 ng

RT: 7.15 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

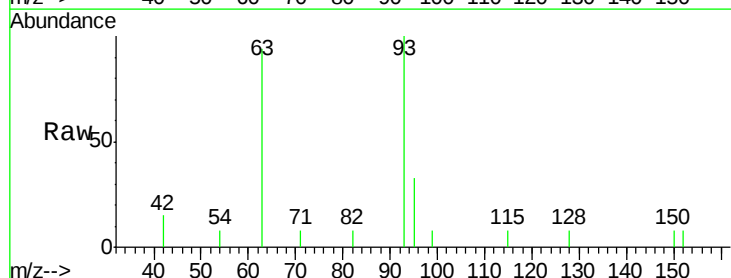
Tgt Ion: 93 Resp: 897

Ion Ratio Lower Upper

93 100

63 87.1 0.0 0.0#

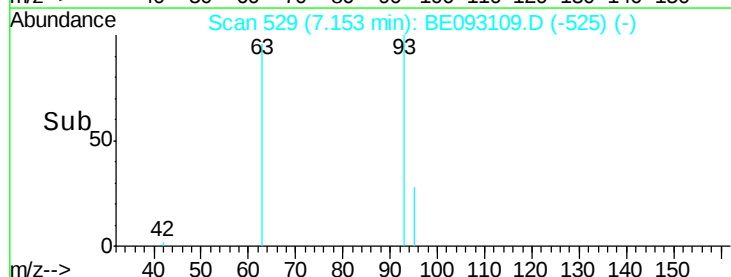
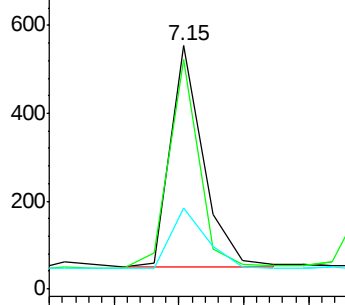
95 30.5 25.4 38.0

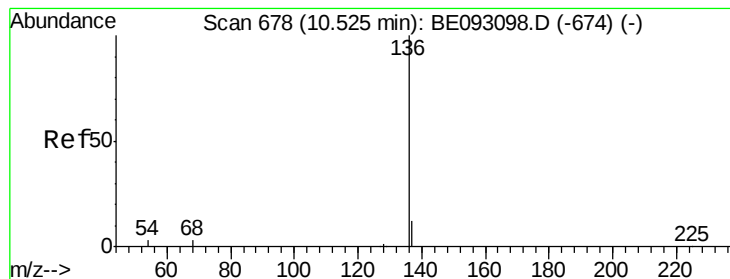


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

Tgt Ion: 136 Resp: 2771

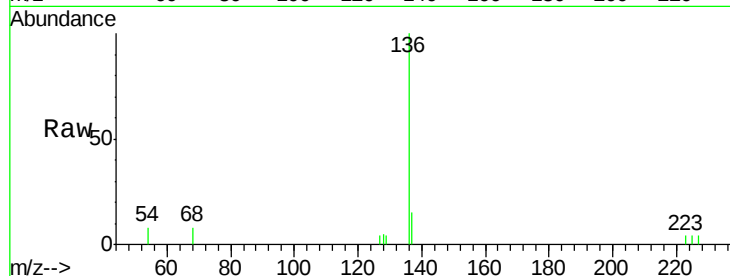
Ion Ratio Lower Upper

136 100

137 15.2 9.8 14.8#

54 7.5 10.3 15.5#

68 7.7 9.0 13.4#

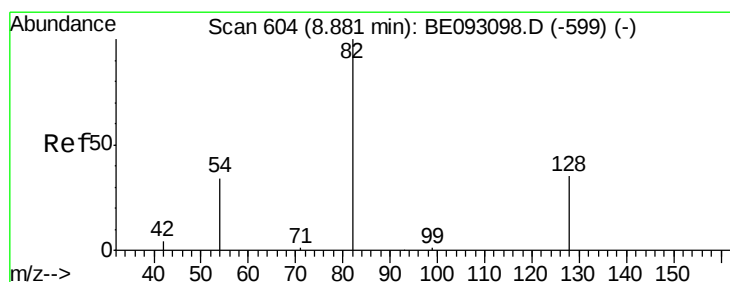
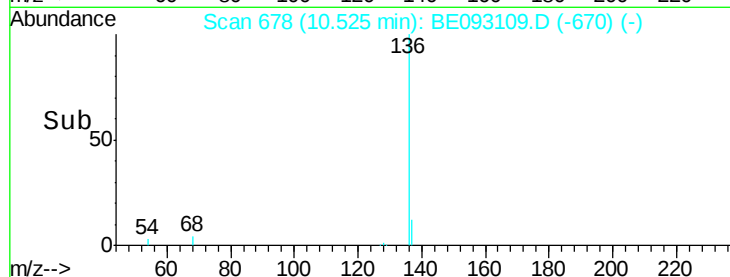
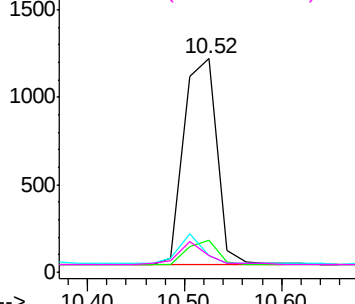


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.379 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

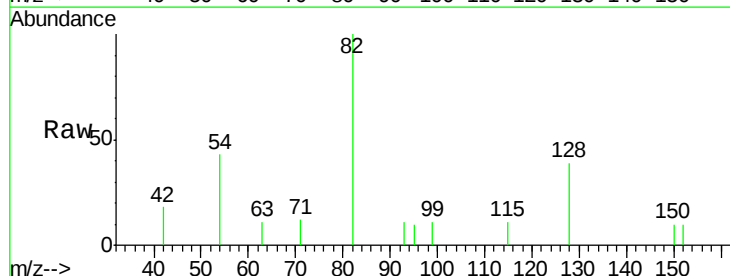
Tgt Ion: 82 Resp: 839

Ion Ratio Lower Upper

82 100

128 38.7 17.0 25.4#

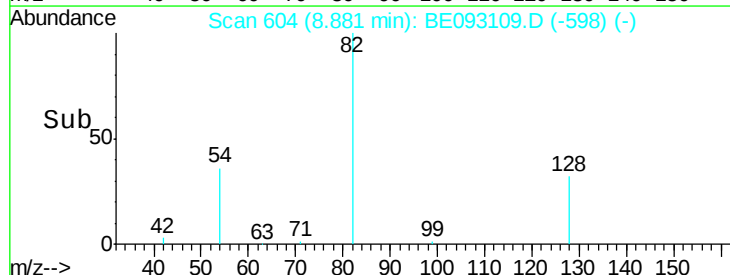
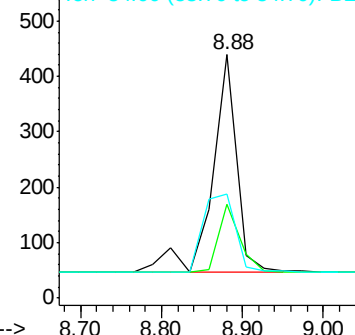
54 42.8 53.8 80.6#

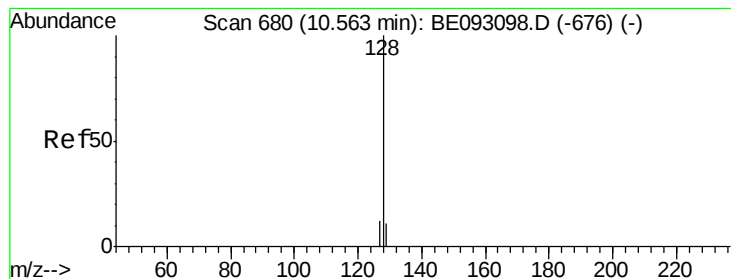


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.347 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

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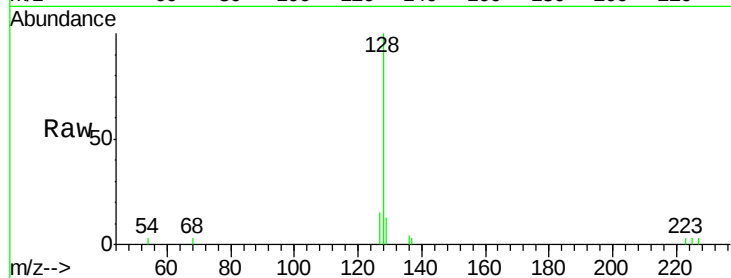
Tgt Ion:128 Resp: 2580

Ion Ratio Lower Upper

128 100

129 13.4 11.4 17.0

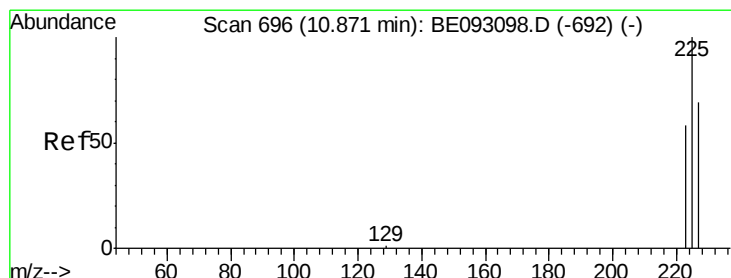
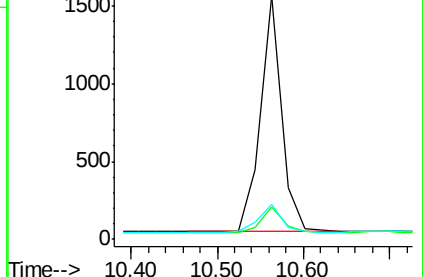
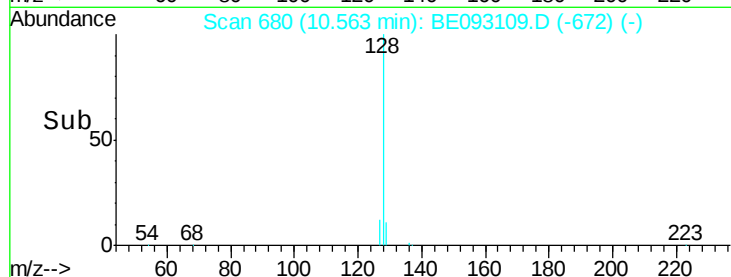
127 14.5 11.2 16.8



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: 0.349 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

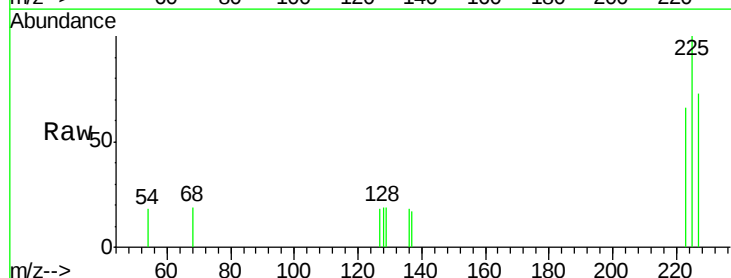
Tgt Ion:225 Resp: 352

Ion Ratio Lower Upper

225 100

223 63.9 49.7 74.5

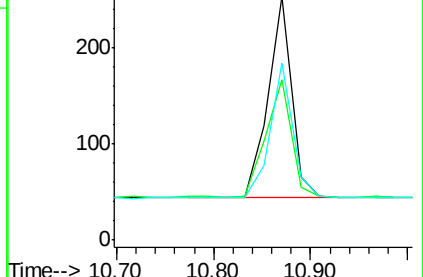
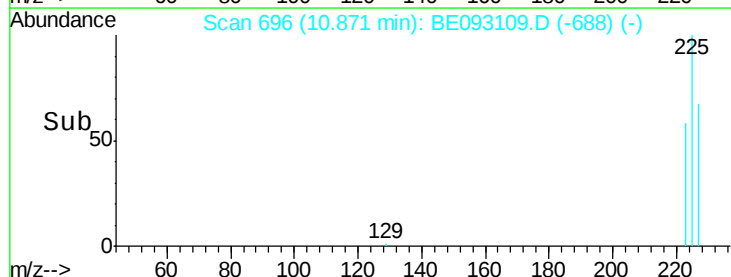
227 63.9 50.3 75.5

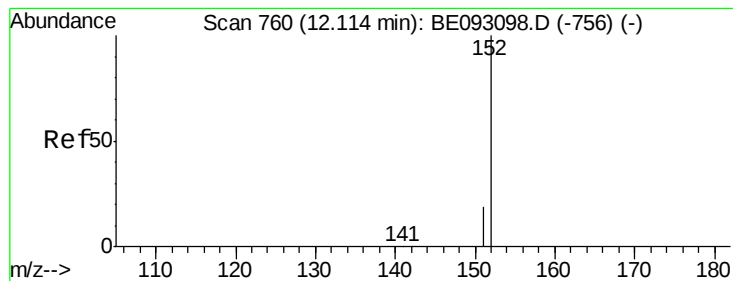


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

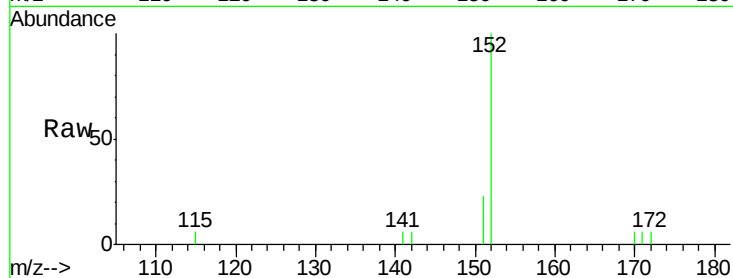
PB99586BSD

Tgt Ion:152 Resp: 1381

Ion Ratio Lower Upper

152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

800

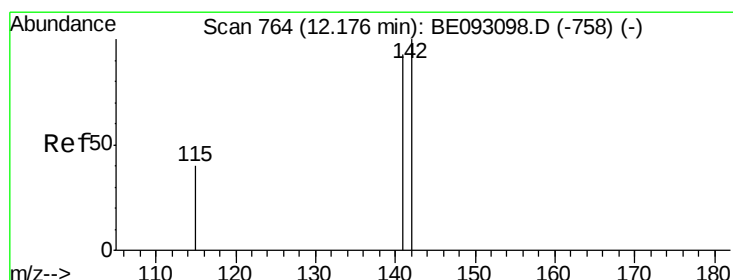
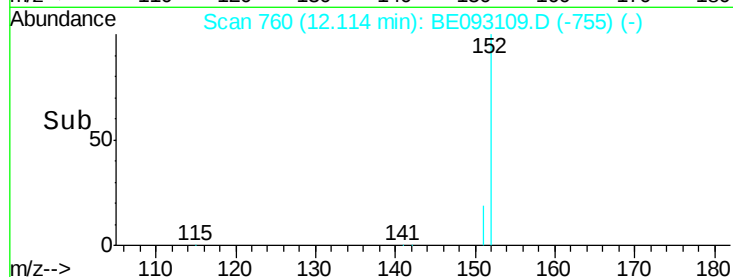
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.343 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

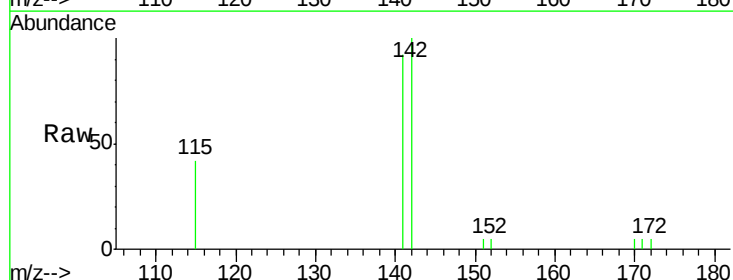
Tgt Ion:142 Resp: 1584

Ion Ratio Lower Upper

142 100

141 92.2 72.6 108.8

115 41.8 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.18

1200

1000

800

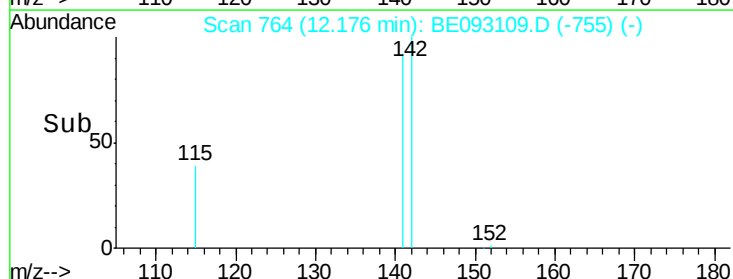
600

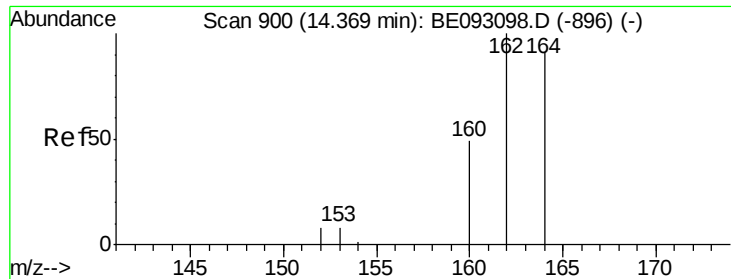
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.37 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

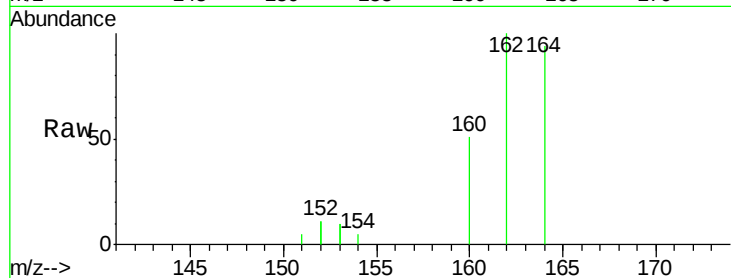
Tgt Ion:164 Resp: 1183

Ion Ratio Lower Upper

164 100

162 106.5 84.6 127.0

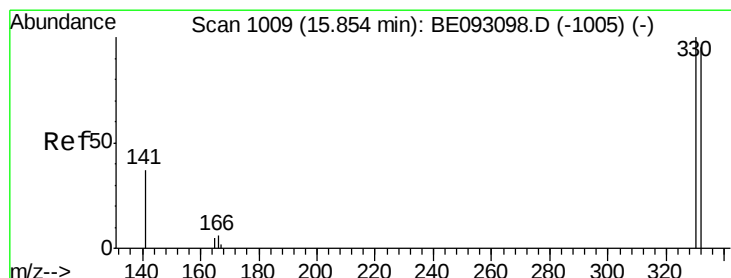
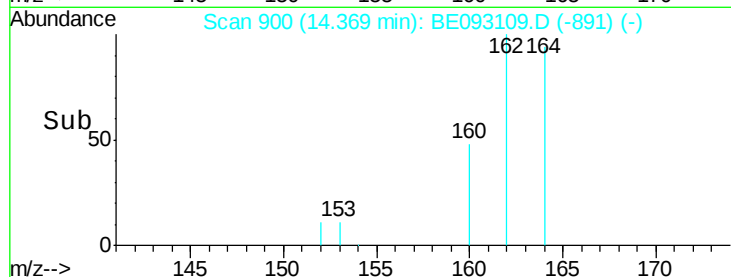
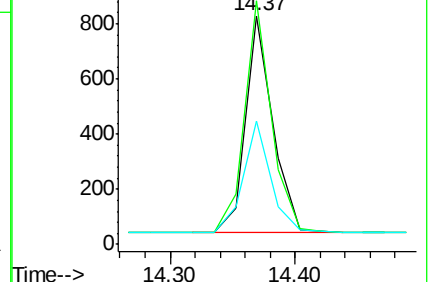
160 54.2 41.8 62.6



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: 0.312 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

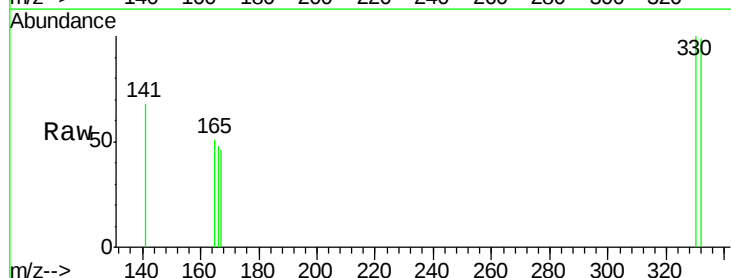
Tgt Ion:330 Resp: 84

Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

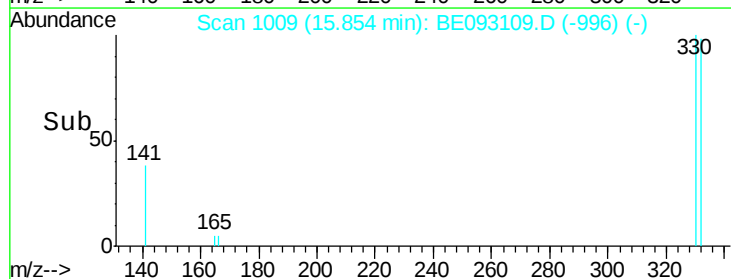
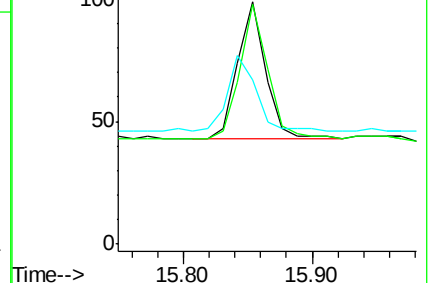
141 58.3 56.2 84.4

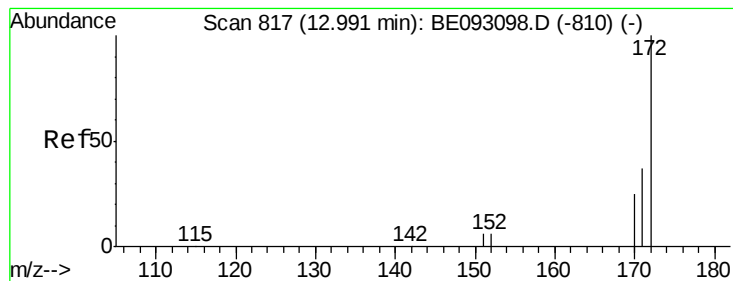


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.395 ng

RT: 12.99 min Scan# 817

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

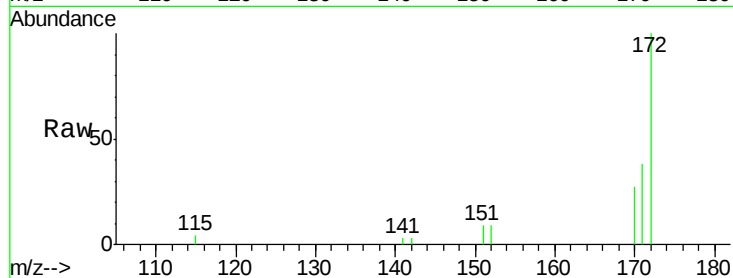
Tgt Ion:172 Resp: 1997

Ion Ratio Lower Upper

172 100

171 38.1 29.8 44.6

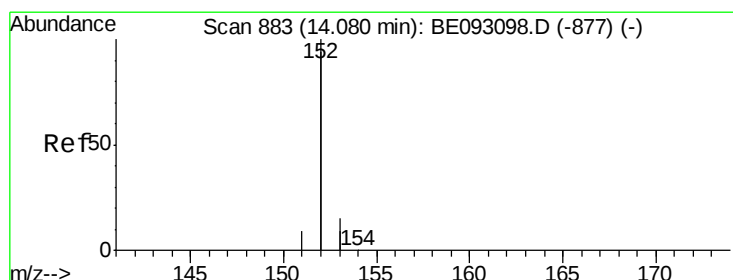
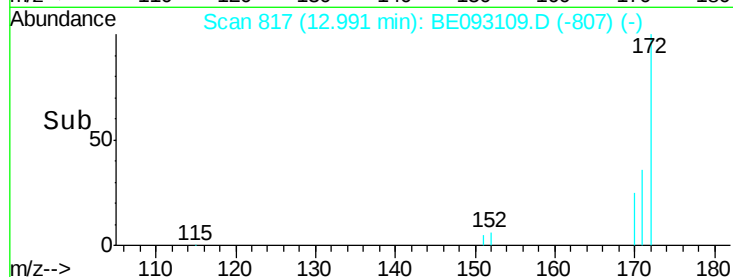
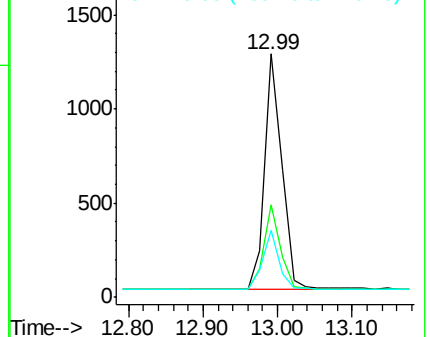
170 27.5 20.7 31.1



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: 0.331 ng

RT: 14.08 min Scan# 883

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

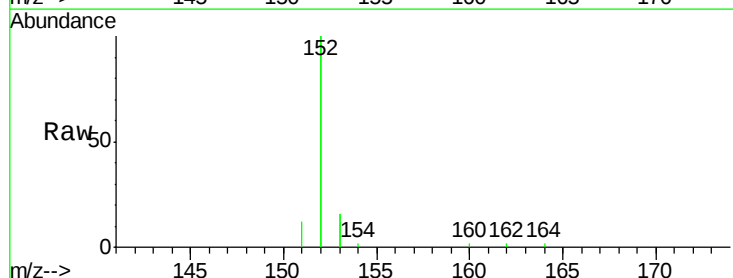
Tgt Ion:152 Resp: 6821

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

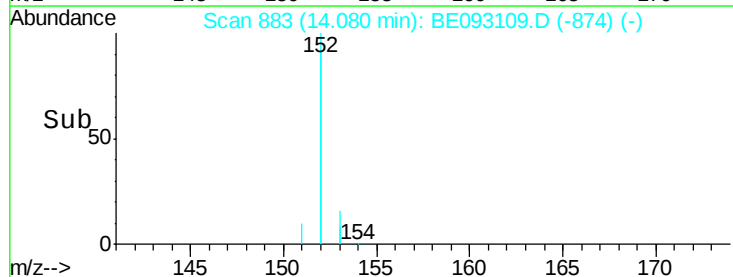
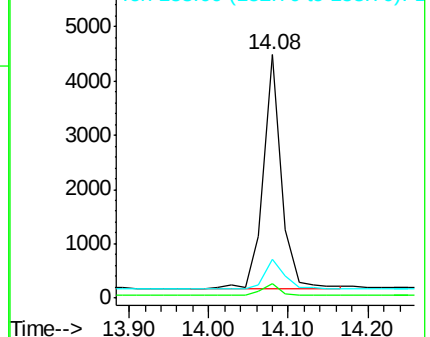
153 13.1 10.3 15.5

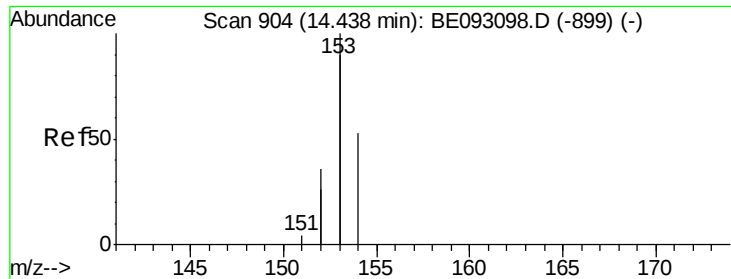


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.363 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

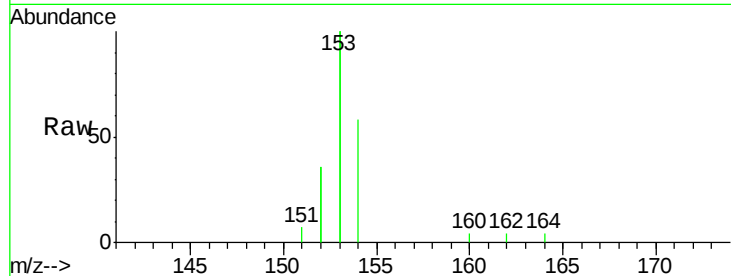
Tgt Ion:154 Resp: 1391

Ion Ratio Lower Upper

154 100

153 433.5 367.8 551.6

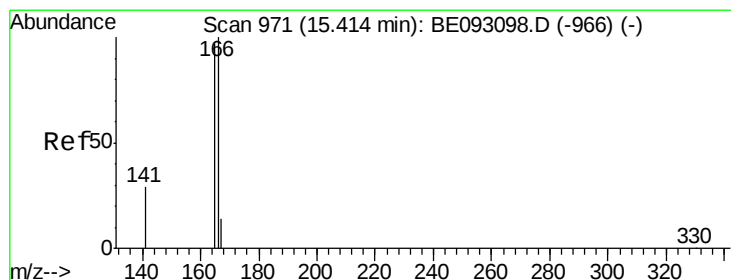
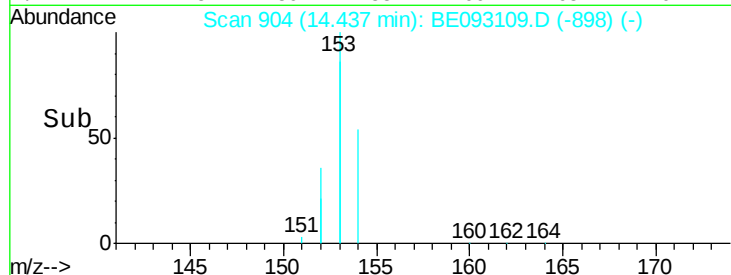
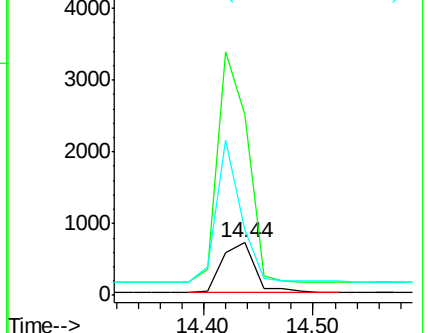
152 219.8 188.2 282.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.332 ng

RT: 15.41 min Scan# 971

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

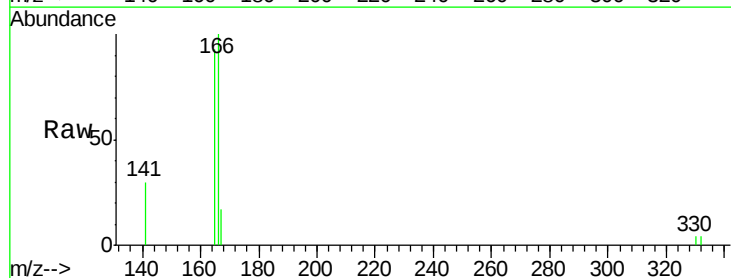
Tgt Ion:166 Resp: 1536

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

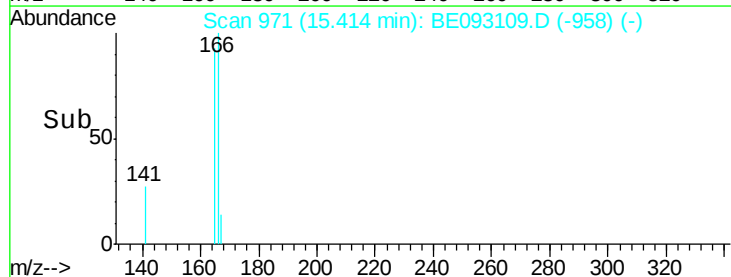
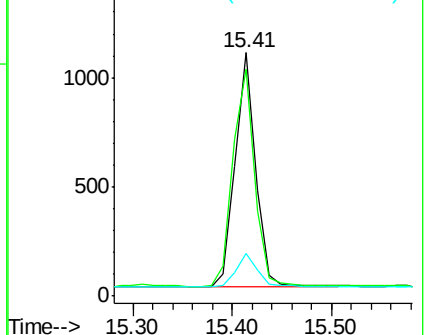
167 14.3 11.1 16.7

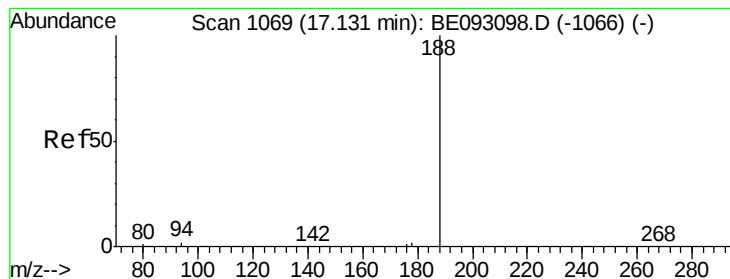


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

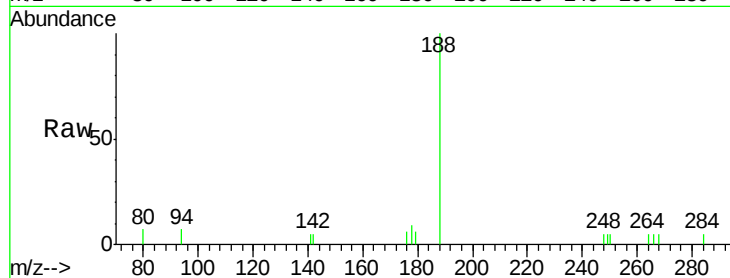
Tgt Ion:188 Resp: 2159

Ion Ratio Lower Upper

188 100

94 6.9 11.3 16.9#

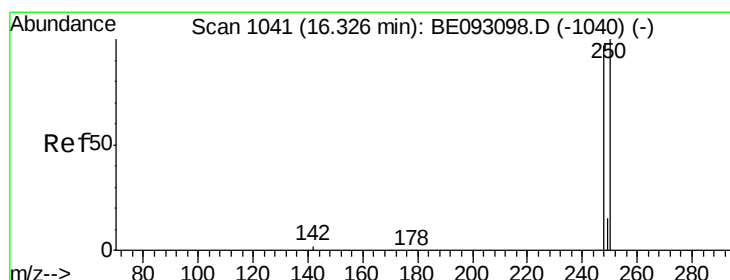
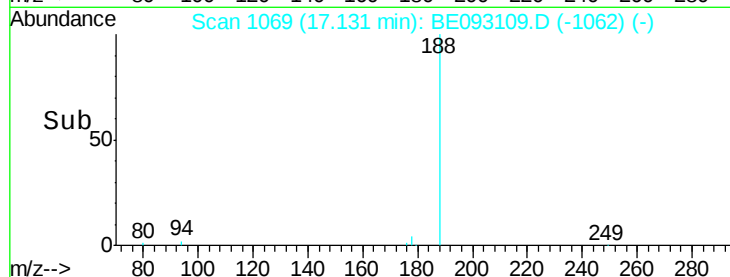
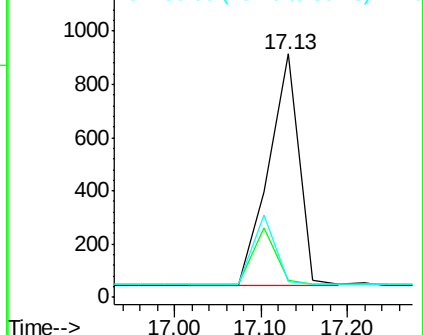
80 6.8 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.369 ng

RT: 16.33 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

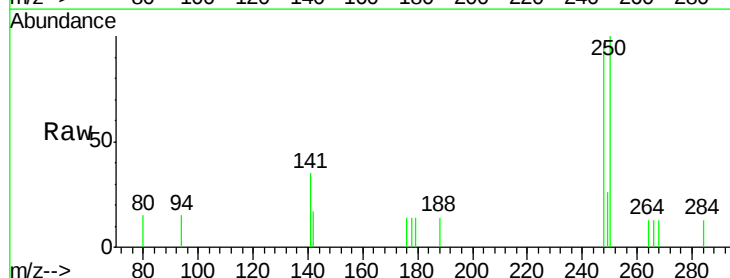
Tgt Ion:248 Resp: 485

Ion Ratio Lower Upper

248 100

250 103.4 100.0 150.0

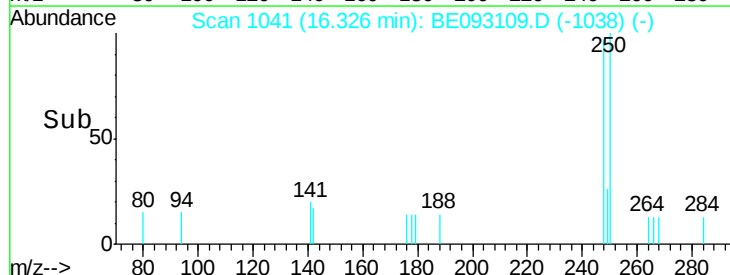
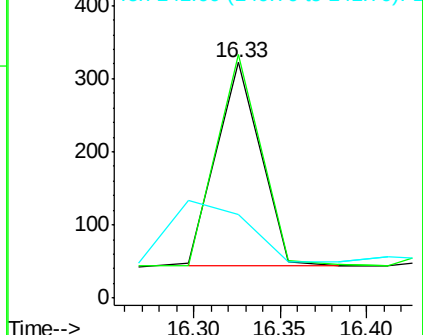
141 35.7 40.0 60.0#

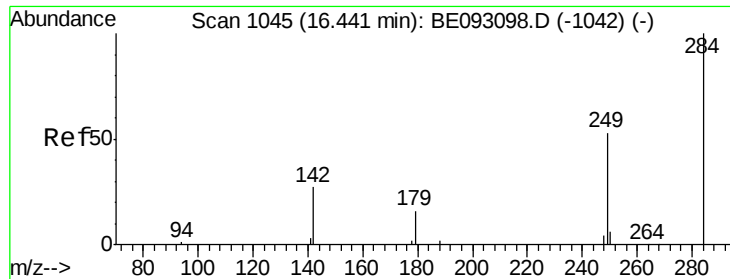


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

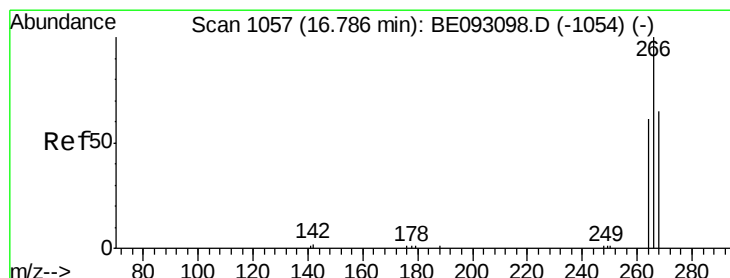
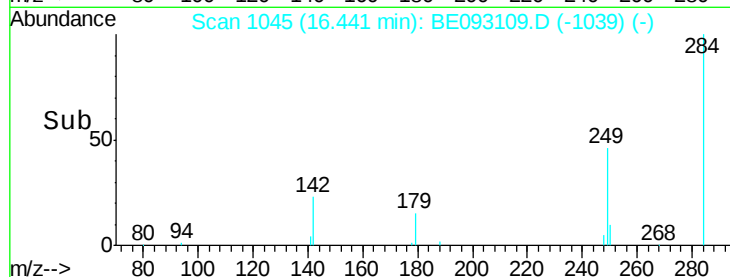
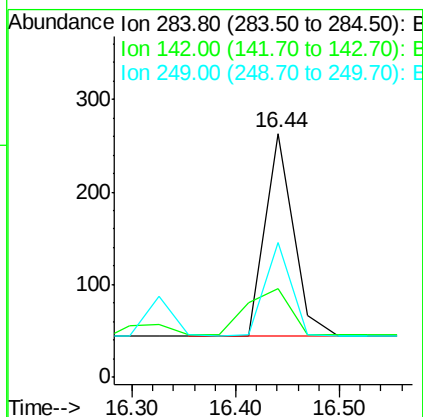
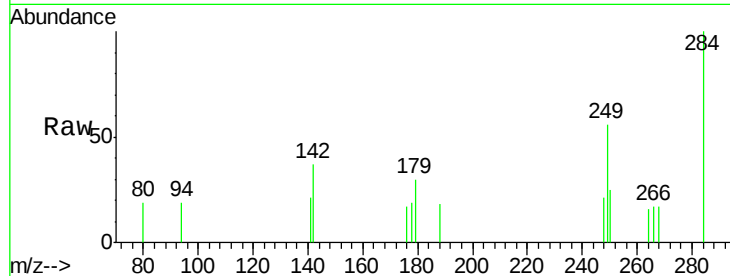




#21  
Hexachlorobenzene  
Concen: 0.361 ng  
RT: 16.44 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

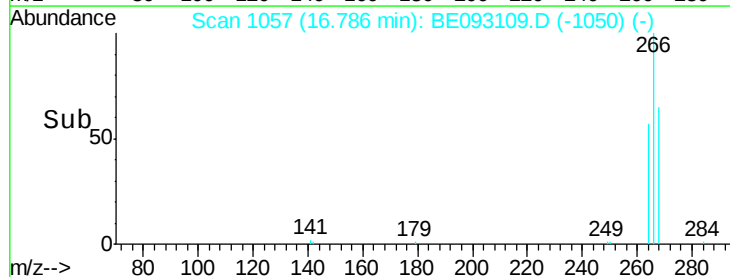
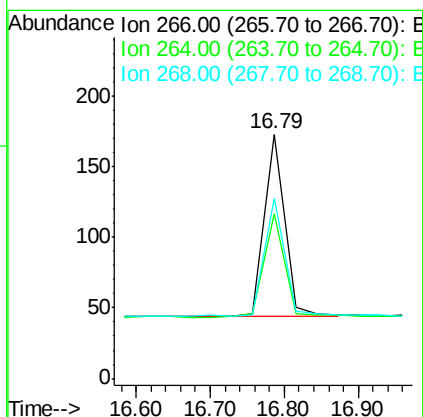
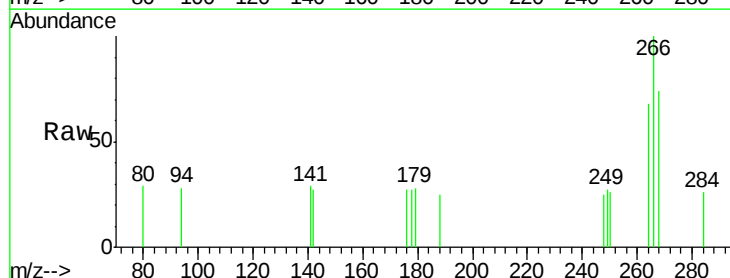
Instrument :  
BNA\_E  
ClientSampleId :  
PB99586BSD

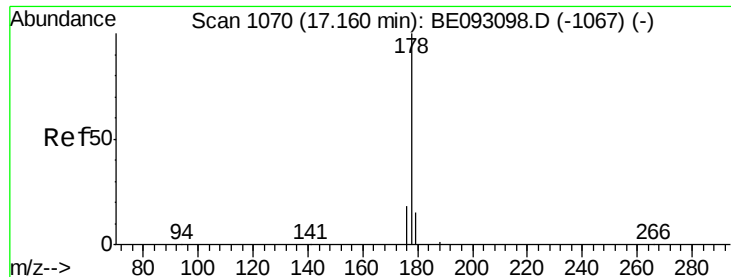
Tgt Ion: 284 Resp: 418  
Ion Ratio Lower Upper  
284 100  
142 35.2 0.0 0.0#  
249 42.6 0.0 0.0#



#22  
Pentachlorophenol  
Concen: 0.649 ng  
RT: 16.79 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

Tgt Ion: 266 Resp: 242  
Ion Ratio Lower Upper  
266 100  
264 67.6 58.2 87.2  
268 74.0 71.9 107.9





#23

Phenanthrene

Concen: 0.347 ng

RT: 17.16 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

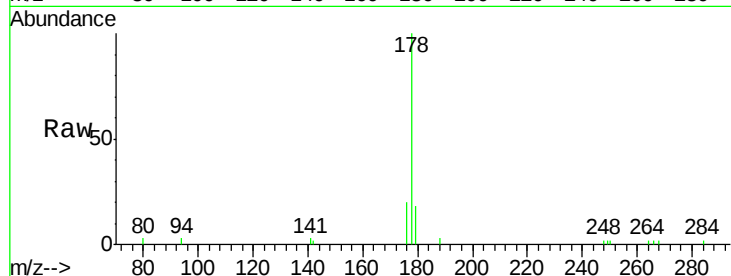
Tgt Ion:178 Resp: 3383

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

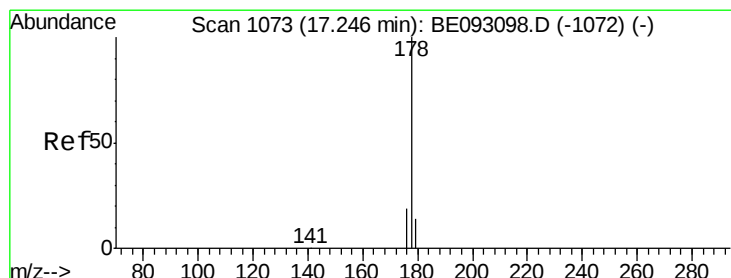
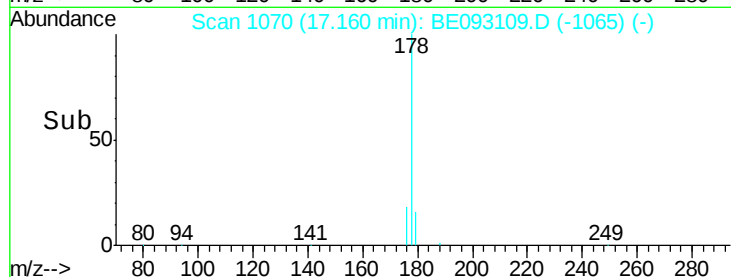
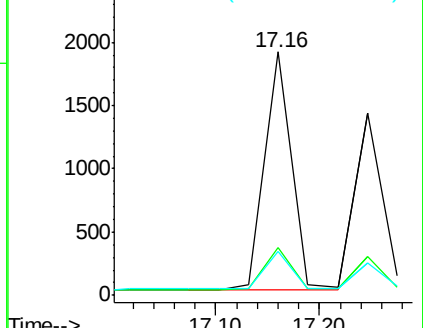
179 15.9 12.7 19.1



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: 0.314 ng

RT: 17.25 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

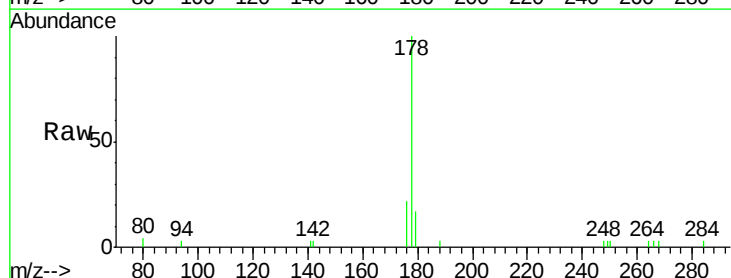
Tgt Ion:178 Resp: 2596

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

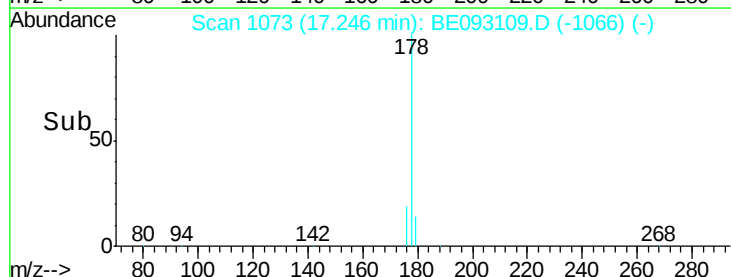
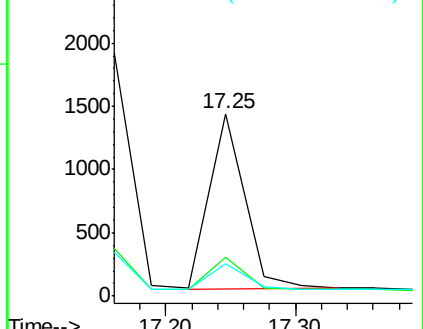
179 14.9 12.0 18.0

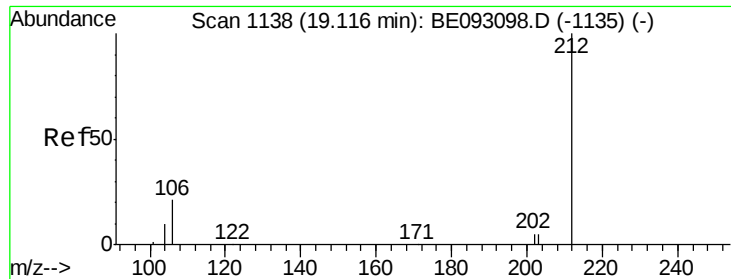


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.319 ng

RT: 19.12 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

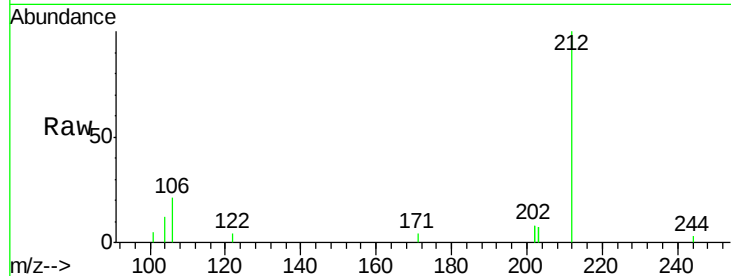
Tgt Ion:212 Resp: 2269

Ion Ratio Lower Upper

212 100

106 16.4 0.0 0.0#

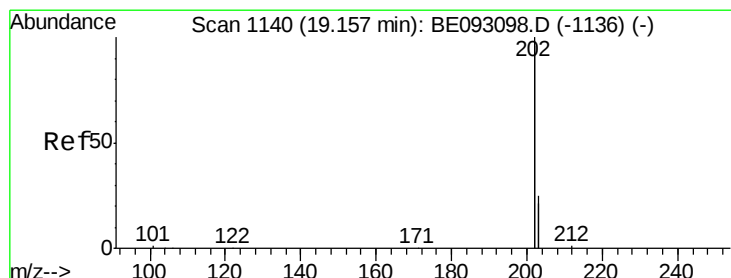
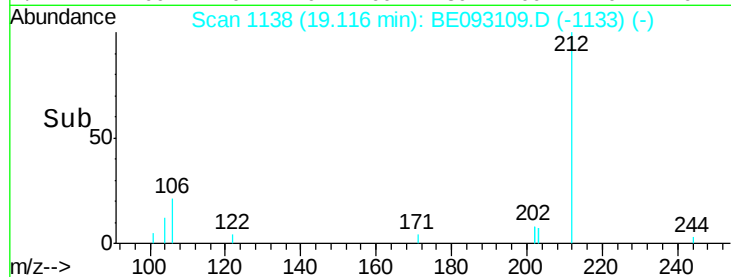
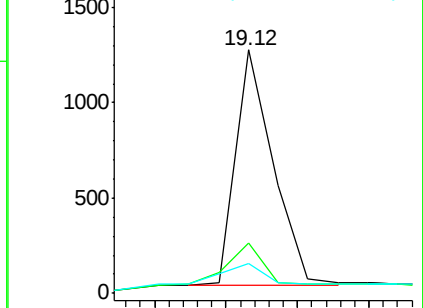
104 9.4 0.0 0.0#



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: 0.304 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

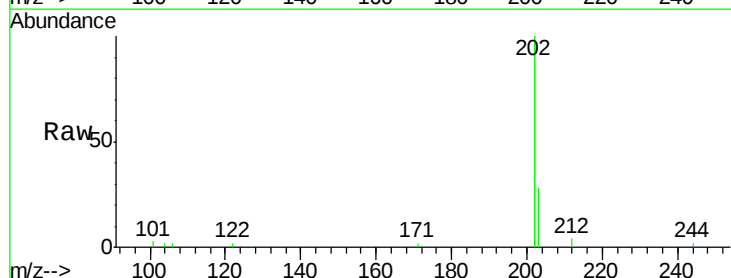
Tgt Ion:202 Resp: 10761

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

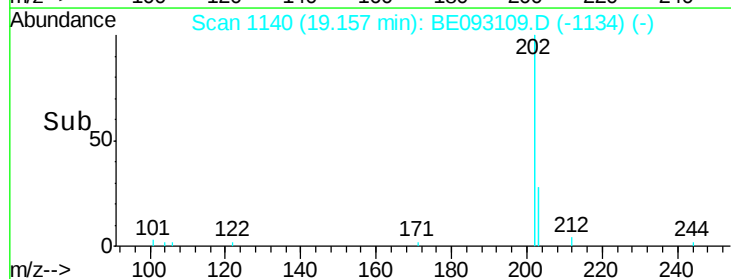
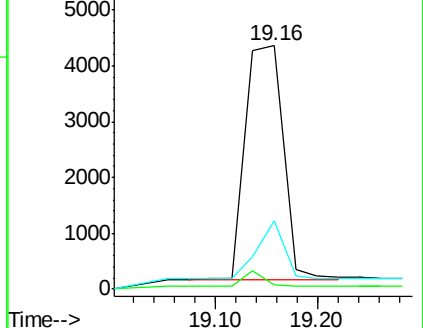
203 17.6 14.4 21.6

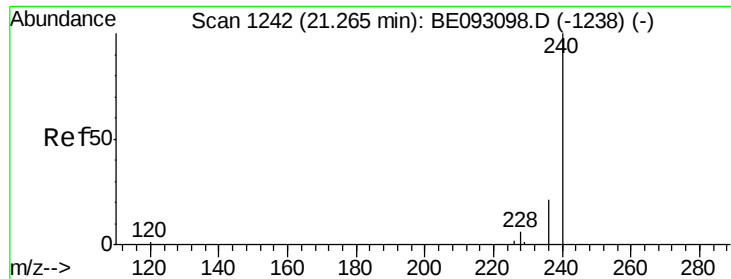


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

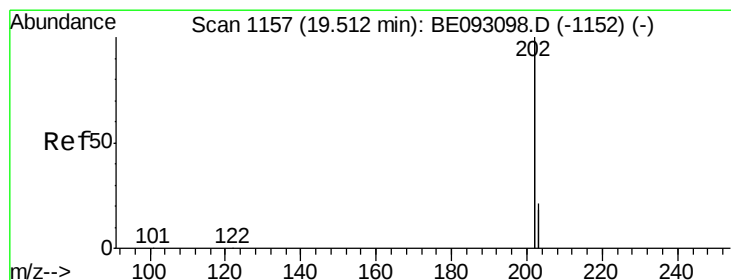
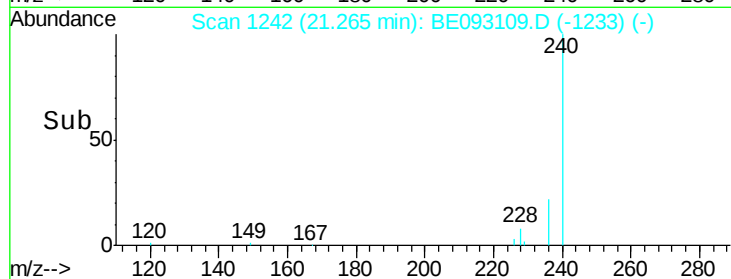
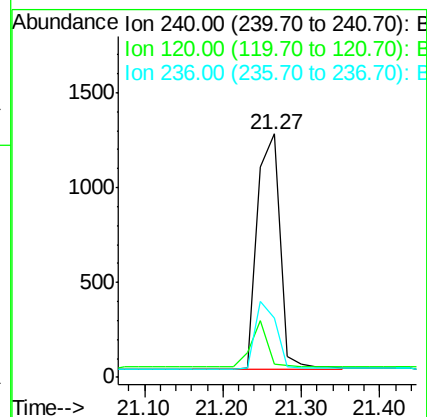
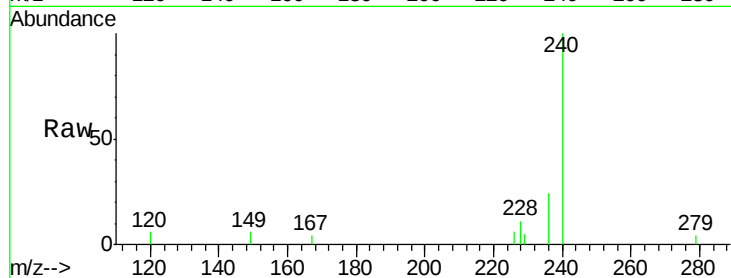




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.27 min Scan# 1242  
Delta R.T. -0.00 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

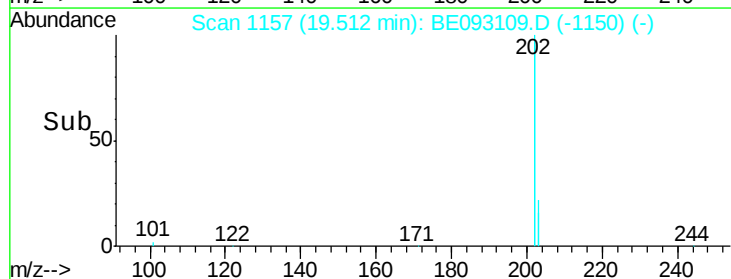
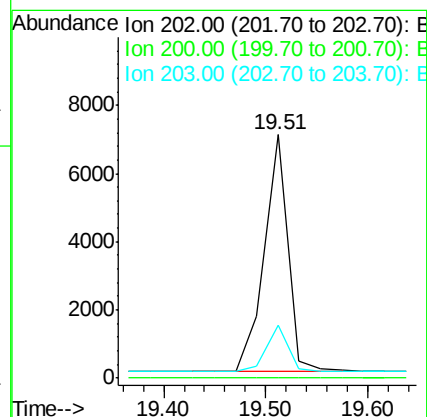
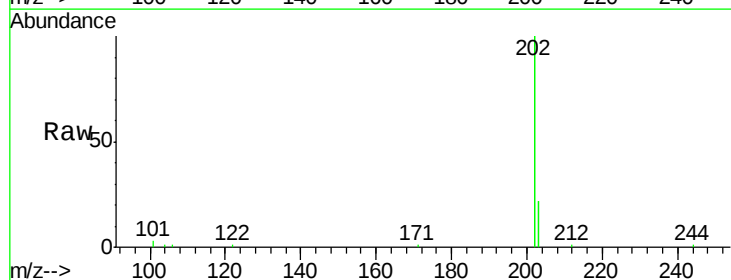
Instrument :  
BNA\_E  
ClientSampleId :  
PB99586BSD

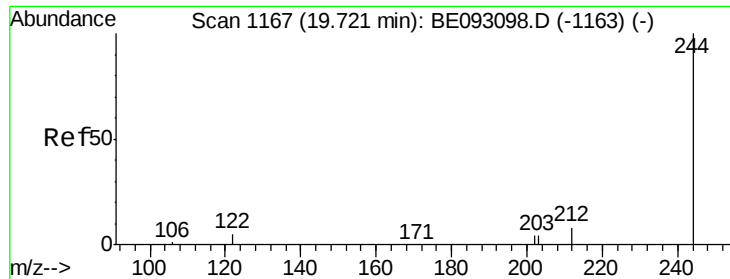
Tgt Ion:240 Resp: 2525  
Ion Ratio Lower Upper  
240 100  
120 5.5 4.6 7.0  
236 24.3 20.8 31.2



#28  
Pyrene  
Concen: 0.368 ng  
RT: 19.51 min Scan# 1157  
Delta R.T. -0.00 min  
Lab File: BE093109.D  
Acq: 12 Jun 2017 19:43

Tgt Ion:202 Resp: 11324  
Ion Ratio Lower Upper  
202 100  
200 0.0 0.0 0.0  
203 18.5 13.7 20.5





#29

Terphenyl-d14

Concen: 0.413 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

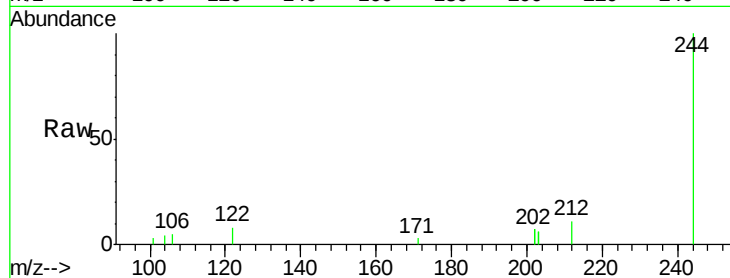
Tgt Ion:244 Resp: 2014

Ion Ratio Lower Upper

244 100

212 10.9 10.6 16.0

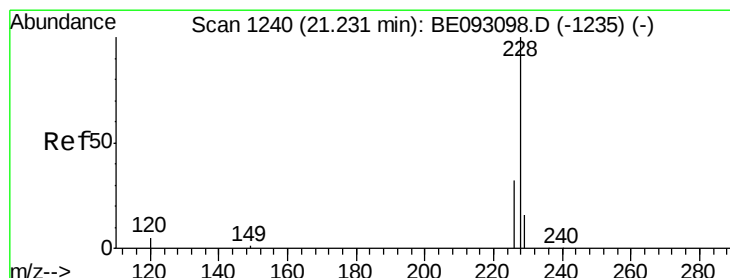
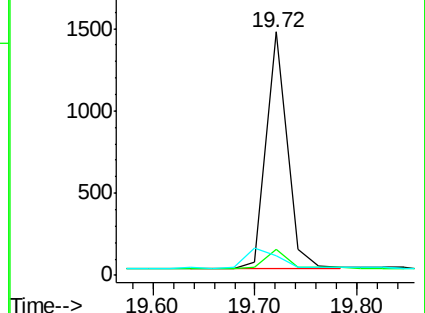
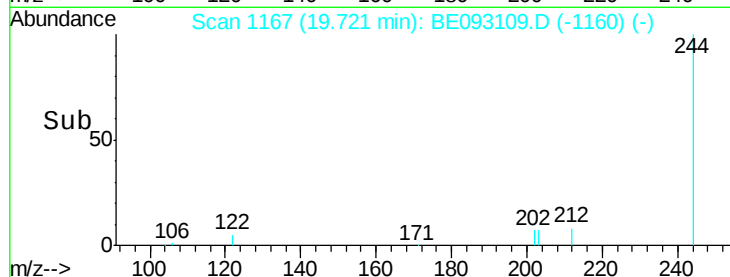
122 7.9 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.341 ng

RT: 21.23 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

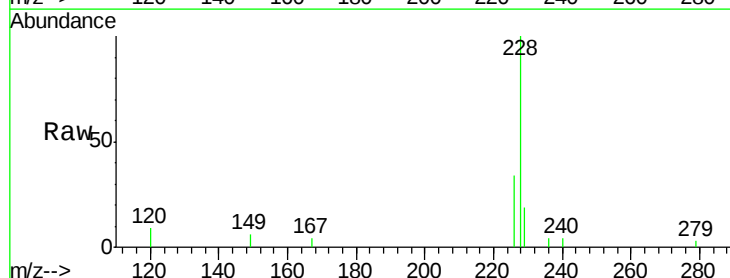
Tgt Ion:228 Resp: 2324

Ion Ratio Lower Upper

228 100

226 33.9 19.7 29.5#

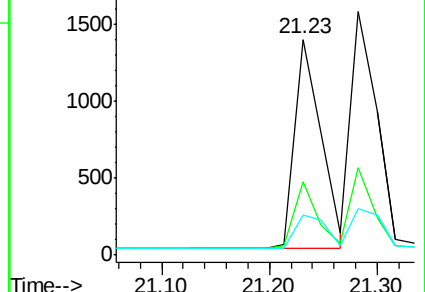
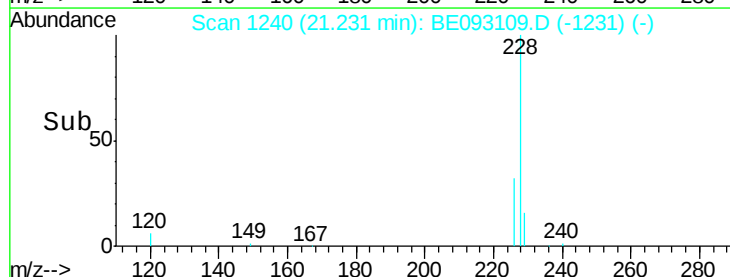
229 18.7 19.2 28.8#

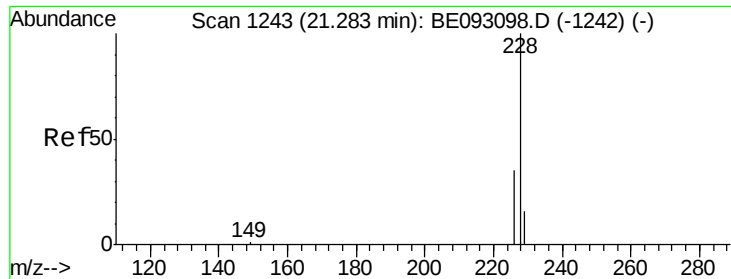


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.362 ng

RT: 21.28 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

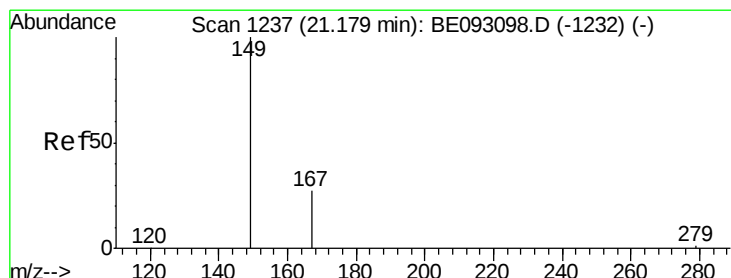
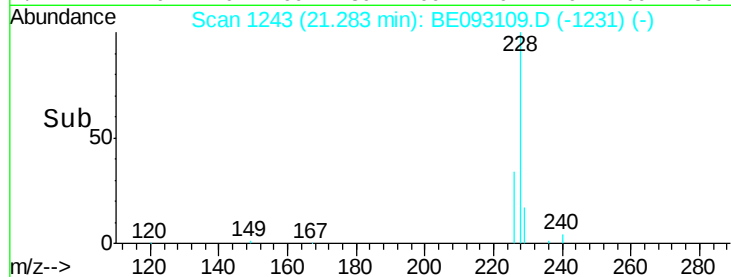
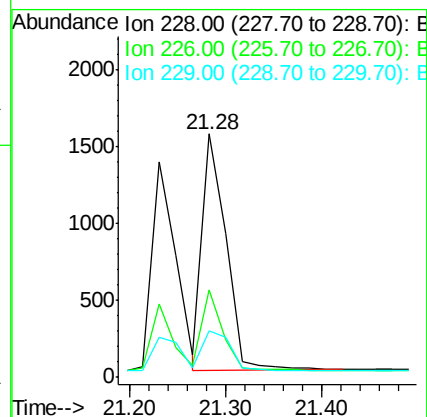
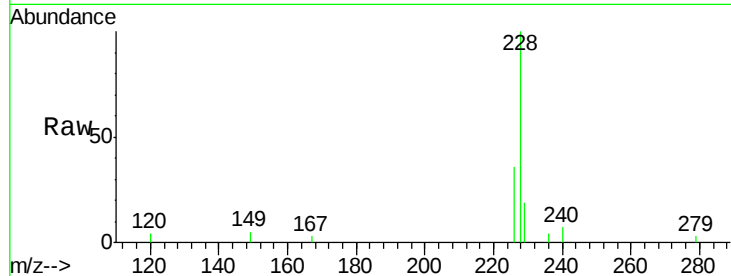
Tgt Ion:228 Resp: 2634

Ion Ratio Lower Upper

228 100

226 35.9 21.5 32.3#

229 19.1 18.6 28.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.224 ng

RT: 21.18 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

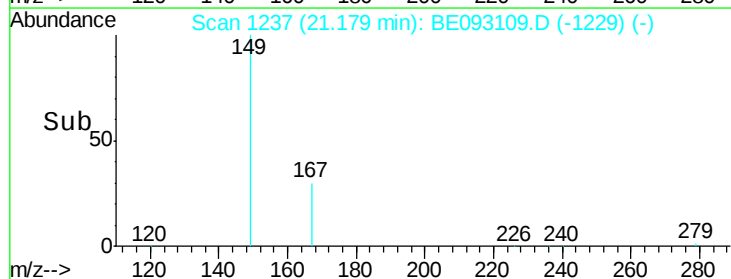
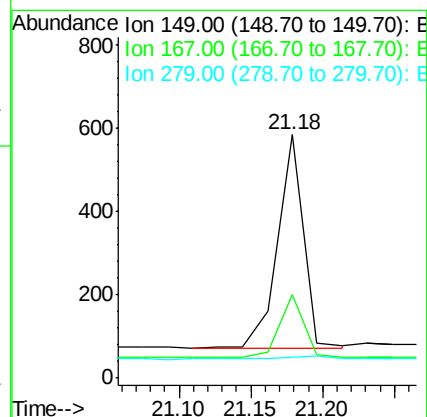
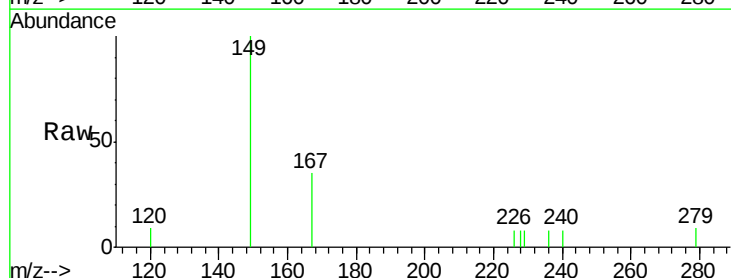
Tgt Ion:149 Resp: 652

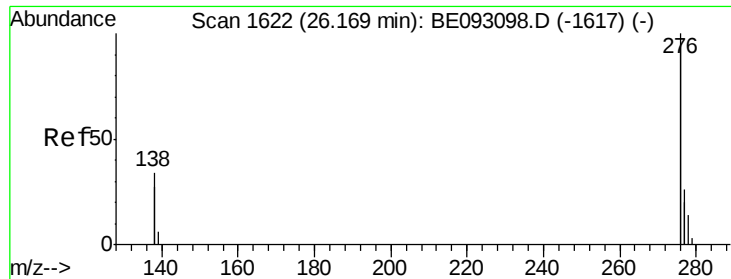
Ion Ratio Lower Upper

149 100

167 27.8 20.1 30.1

279 3.5 2.2 3.4#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.375 ng

RT: 26.17 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

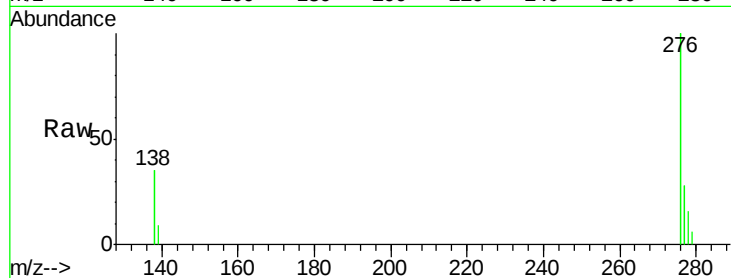
Tgt Ion:276 Resp: 10205

Ion Ratio Lower Upper

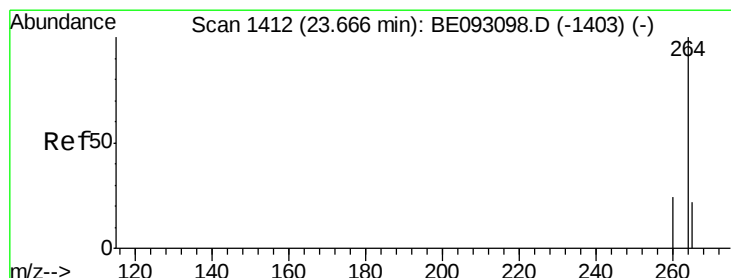
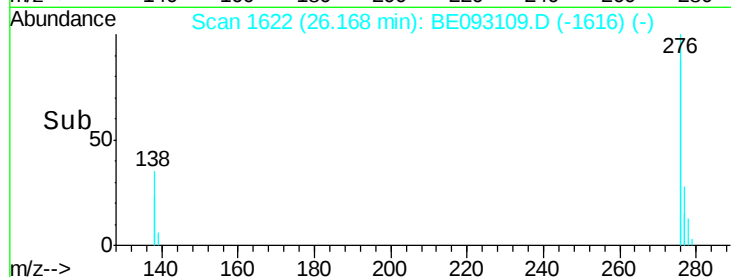
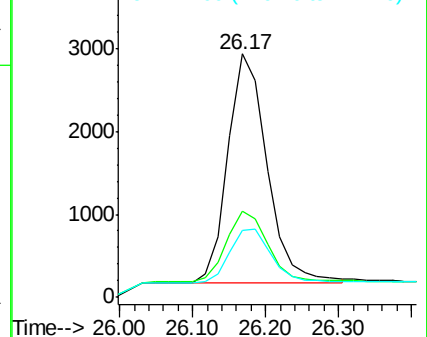
276 100

138 32.5 27.4 41.2

277 25.2 20.1 30.1



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: 23.67 min Scan# 1412

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

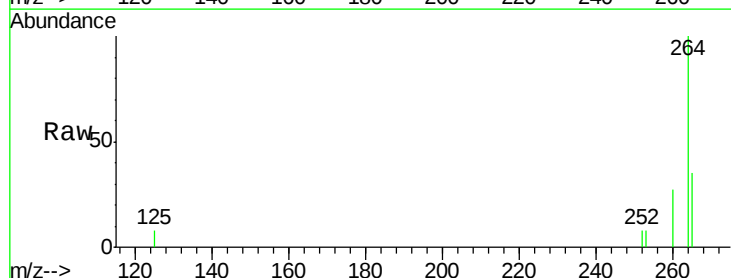
Tgt Ion:264 Resp: 1899

Ion Ratio Lower Upper

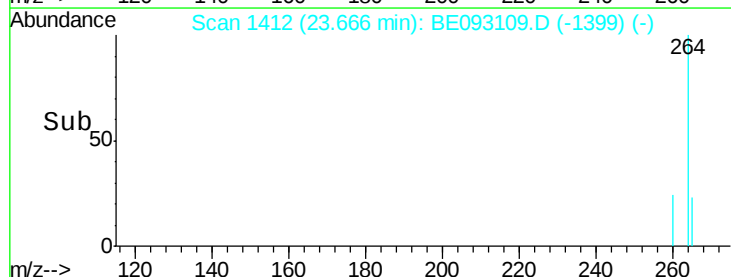
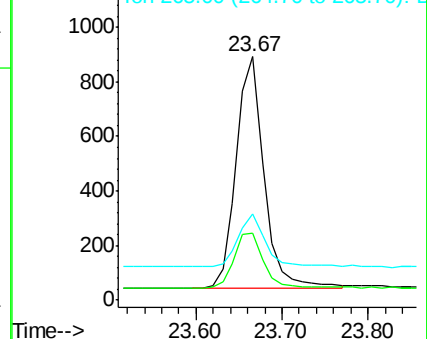
264 100

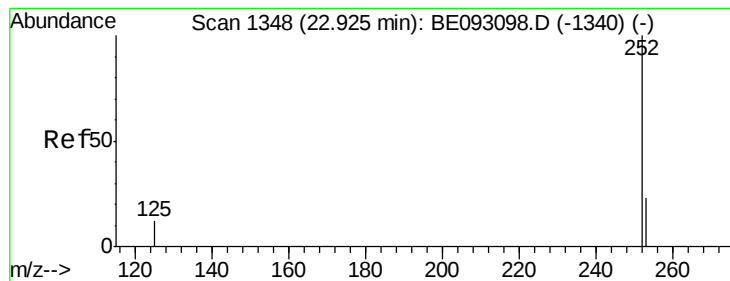
260 27.4 21.0 31.4

265 35.3 24.6 36.8



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: 0.394 ng

RT: 22.93 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

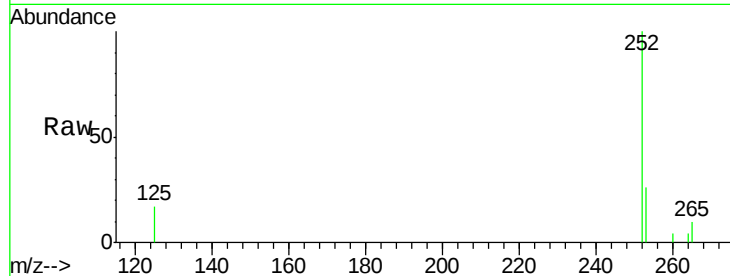
Tgt Ion:252 Resp: 2402

Ion Ratio Lower Upper

252 100

253 26.2 18.5 27.7

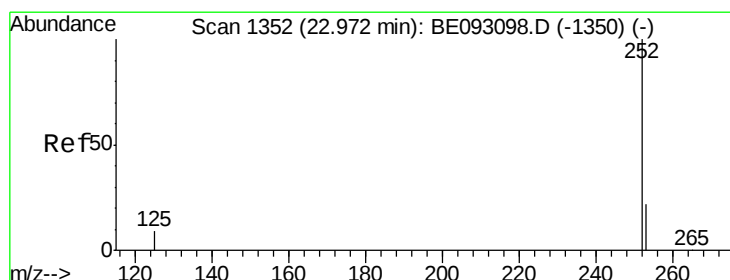
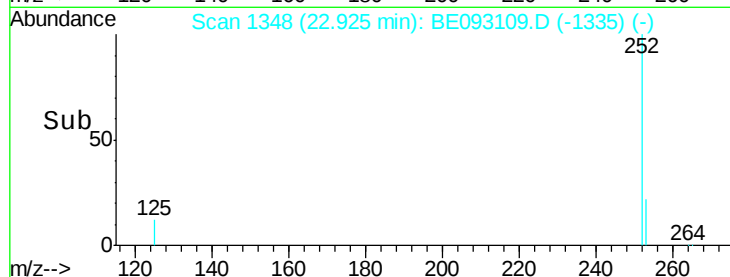
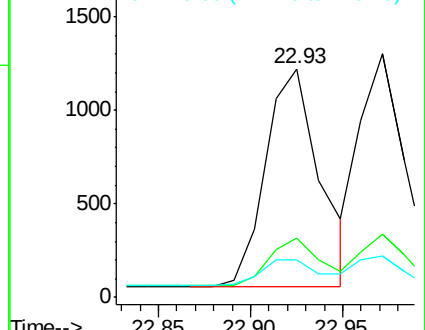
125 16.7 13.4 20.0



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: 0.367 ng

RT: 22.97 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

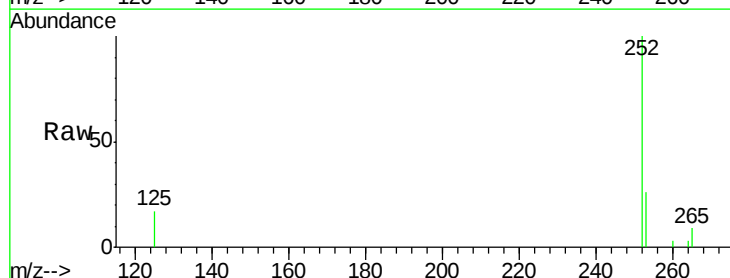
Tgt Ion:252 Resp: 2160

Ion Ratio Lower Upper

252 100

253 25.7 20.3 30.5

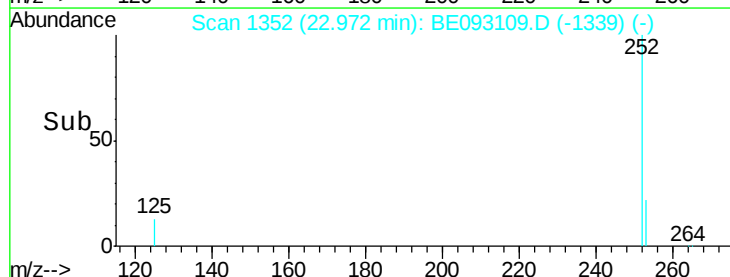
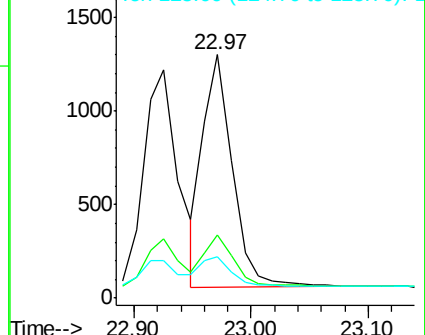
125 17.1 12.2 18.4

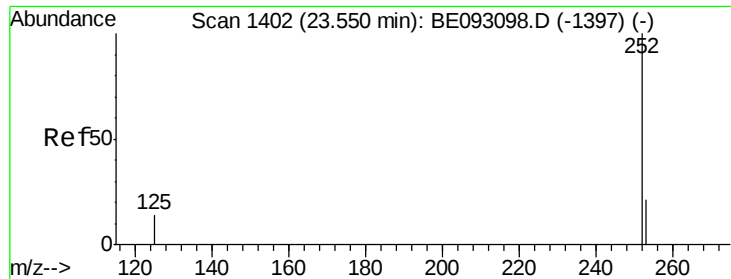


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.375 ng

RT: 23.55 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD

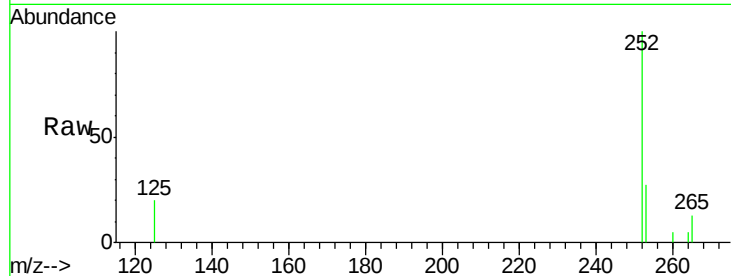
Tgt Ion:252 Resp: 1980

Ion Ratio Lower Upper

252 100

253 26.9 19.9 29.9

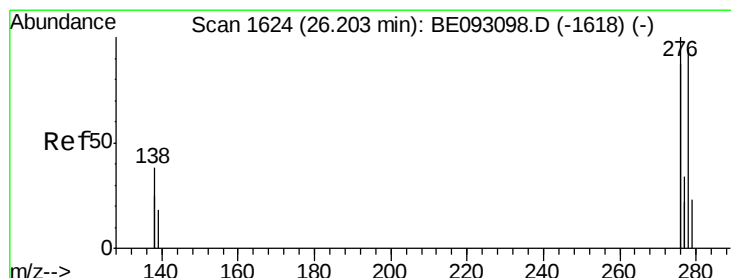
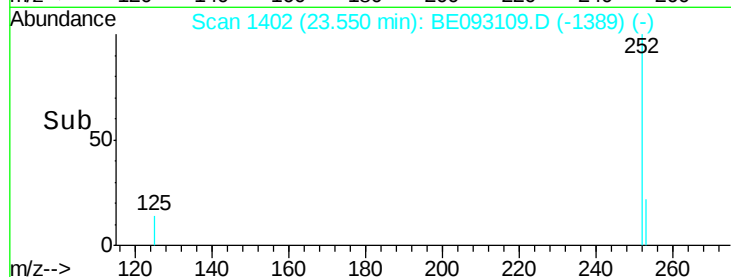
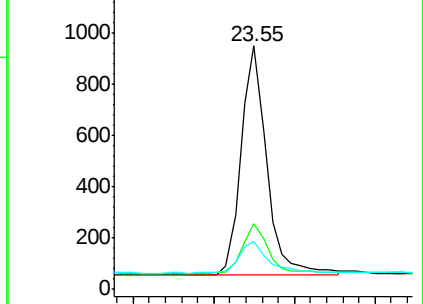
125 19.9 14.6 21.8



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: 0.408 ng

RT: 26.20 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE093109.D

Acq: 12 Jun 2017 19:43

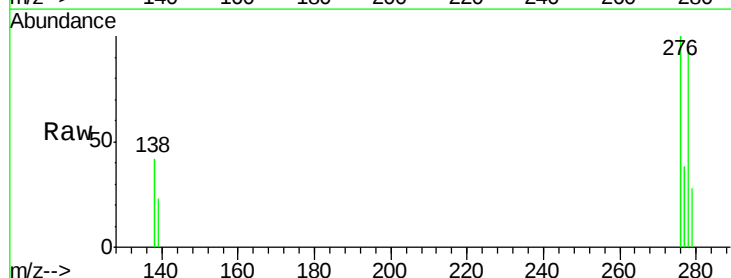
Tgt Ion:278 Resp: 2241

Ion Ratio Lower Upper

278 100

139 23.9 21.4 32.0

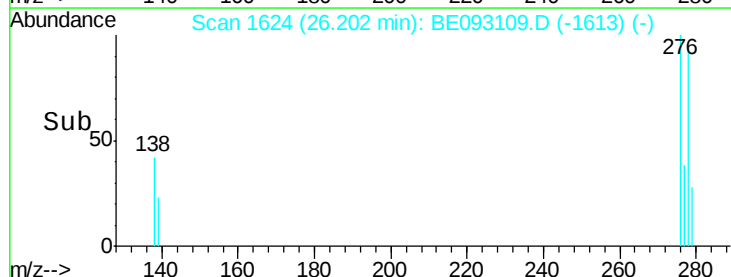
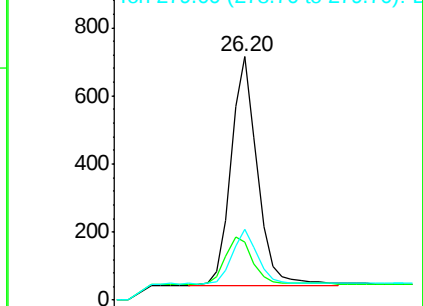
279 29.2 22.2 33.2

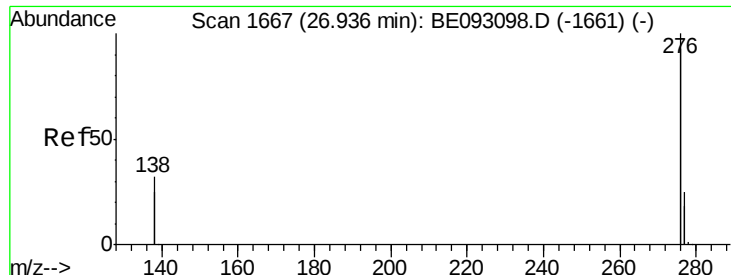


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.418 ng

RT: 26.94 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE093109.D

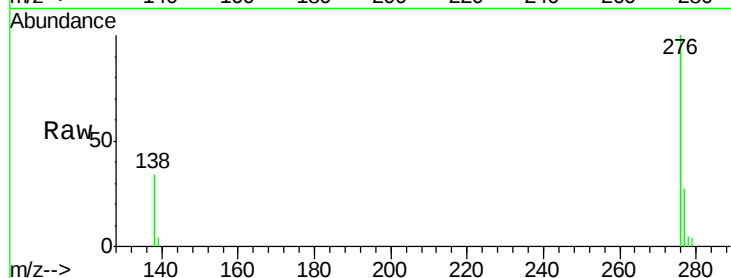
Acq: 12 Jun 2017 19:43

Instrument :

BNA\_E

ClientSampleId :

PB99586BSD



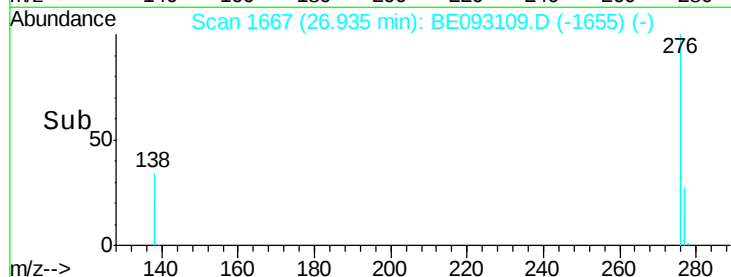
Tgt Ion: 276 Resp: 9289

Ion Ratio Lower Upper

276 100

277 27.1 21.2 31.8

138 33.8 24.5 36.7



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

