

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\  
 Data File : BE094088.D  
 Acq On : 23 Sep 2017 21:20  
 Operator : SJ/JU  
 Sample : I5340-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 25 08:47:34 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 25 07:59:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1871     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 11031    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 7345     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 23967    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 15314    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 14070    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.50  | 112 | 2642  | 0.19 | ng | 0.00  |
| 5) Phenol-d6                | 7.09  | 99  | 3720  | 0.34 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.05  | 82  | 2929  | 0.30 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 4721  | 0.25 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 1912  | 0.34 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 6583  | 0.27 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.26 | 212 | 47345 | 0.15 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.84 | 244 | 6490  | 0.27 | ng | 0.00  |

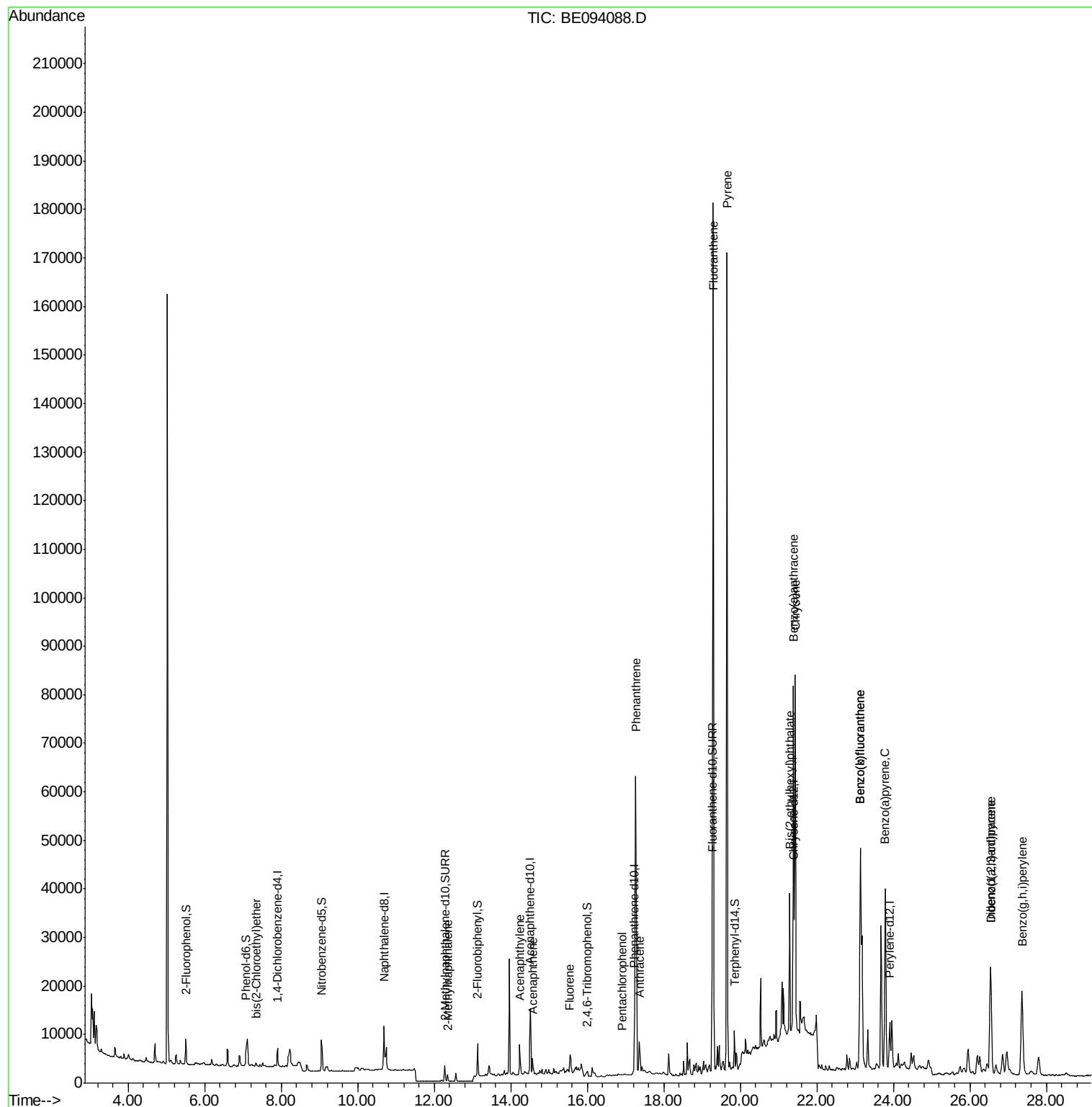
|                                |       |     |        |           |    |      |
|--------------------------------|-------|-----|--------|-----------|----|------|
| Target Compounds               |       |     |        | Qvalue    |    |      |
| 2) 1,4-Dioxane                 | 3.49  | 88  | 7      | Below Cal | #  | 16   |
| 3) n-Nitrosodimethylamine      | 3.78  | 42  | 79     | Below Cal | #  | 1    |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 797    | 0.096     | ng | # 1  |
| 9) Naphthalene                 | 10.74 | 128 | 8249   | Below Cal | #  | 97   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 969    | 0.043     | ng | # 92 |
| 16) Acenaphthylene             | 14.23 | 152 | 7747   | 0.210     | ng | 99   |
| 17) Acenaphthene               | 14.57 | 154 | 1601   | 0.065     | ng | 95   |
| 18) Fluorene                   | 15.55 | 166 | 3074   | 0.084     | ng | 88   |
| 22) Pentachlorophenol          | 16.91 | 266 | 84     | 0.026     | ng | 96   |
| 23) Phenanthrene               | 17.27 | 178 | 91209  | 1.062     | ng | 98   |
| 24) Anthracene                 | 17.37 | 178 | 11519  | 0.174     | ng | # 93 |
| 26) Fluoranthene               | 19.29 | 202 | 162271 | 1.762     | ng | 99   |
| 28) Pyrene                     | 19.65 | 202 | 154859 | 3.655     | ng | # 95 |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 64476  | 1.257     | ng | 98   |
| 31) Chrysene                   | 21.44 | 228 | 72684  | 1.446     | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 33591  | 0.244     | ng | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.54 | 276 | 40716  | 1.048     | ng | 96   |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 88044  | 1.729     | ng | 97   |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 88044  | 1.723     | ng | 99   |
| 37) Benzo(a)pyrene             | 23.79 | 252 | 60444  | 1.322     | ng | 100  |
| 38) Dibenzo(a,h)anthracene     | 26.55 | 278 | 10299  | 0.281     | ng | # 83 |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276 | 41307  | 1.129     | ng | 99   |

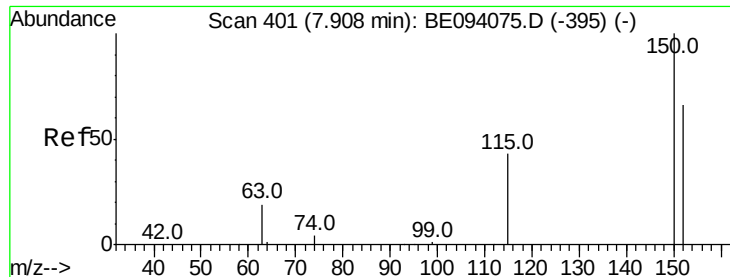
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampled :

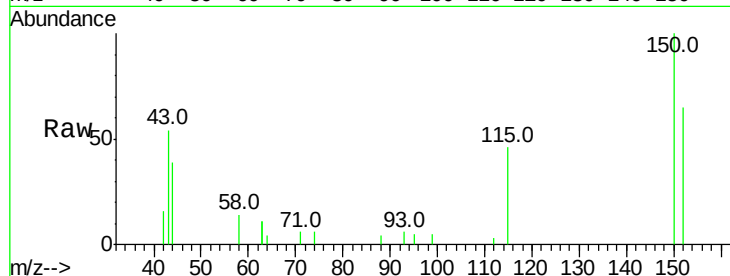
Tot Ion:152 Resp: 1871

Ion Ratio Lower Upper

152 100

150 153.9 117.2 175.8

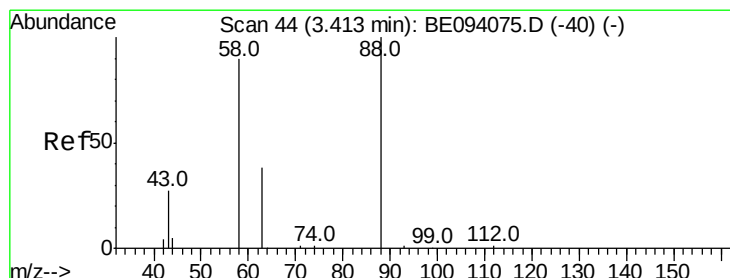
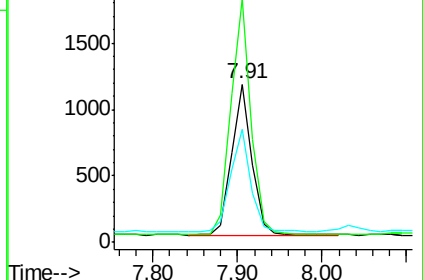
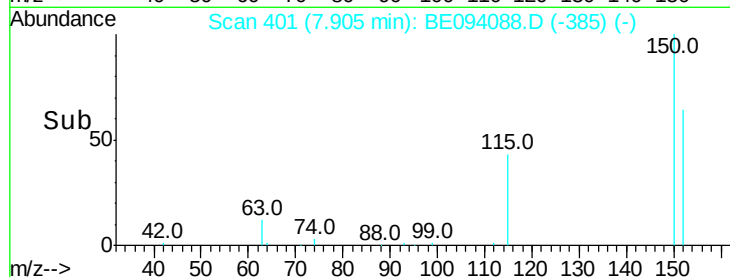
115 71.5 57.0 85.6



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: Below Cal

RT: 3.49 min Scan# 50

Delta R.T. 0.07 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

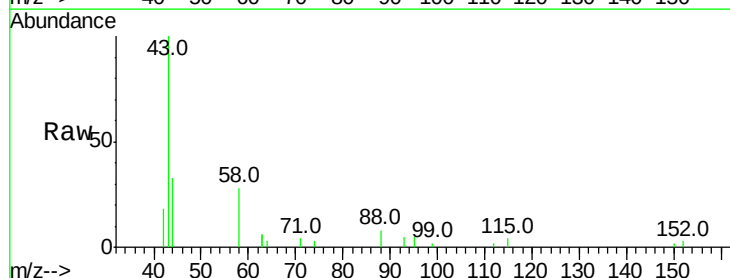
Tgt Ion: 88 Resp: 7

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

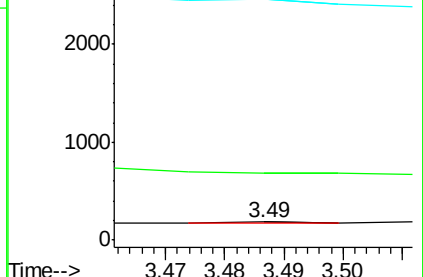
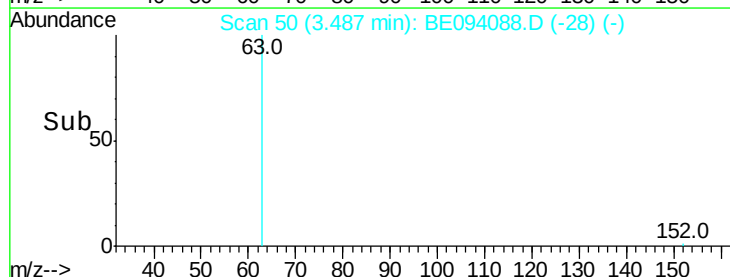
43 0.0 41.2 61.8#

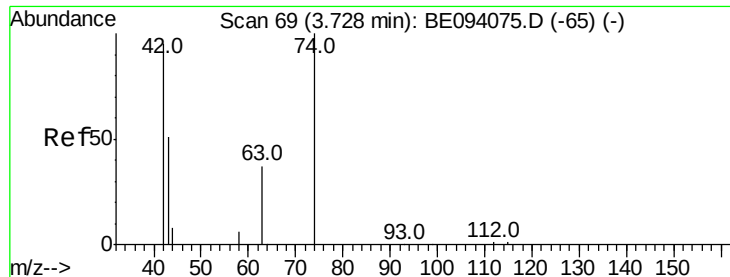


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



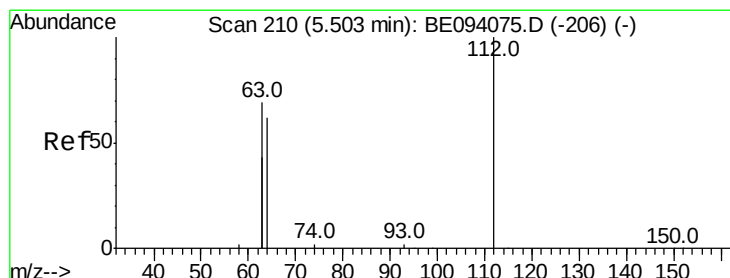
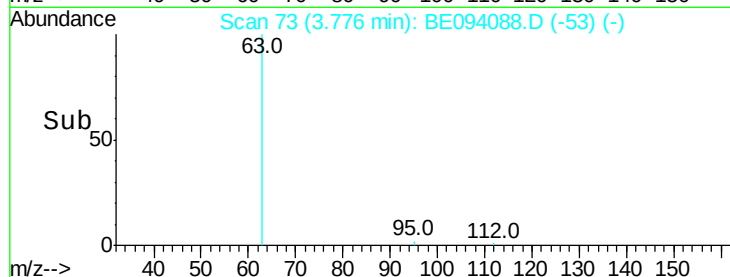
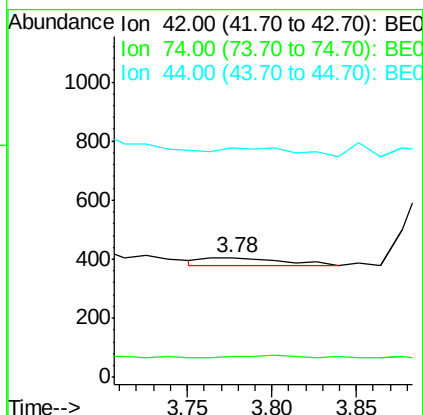
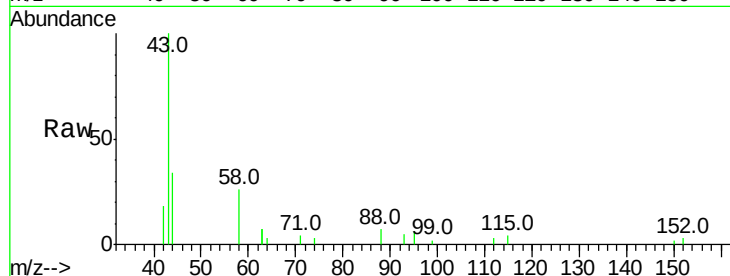


#3

n-Nitrosodimethylamine  
 Concen: Below Cal  
 RT: 3.78 min Scan# 73  
 Delta R.T. 0.05 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

Instrument :  
 BNA\_E  
 ClientSampleId :

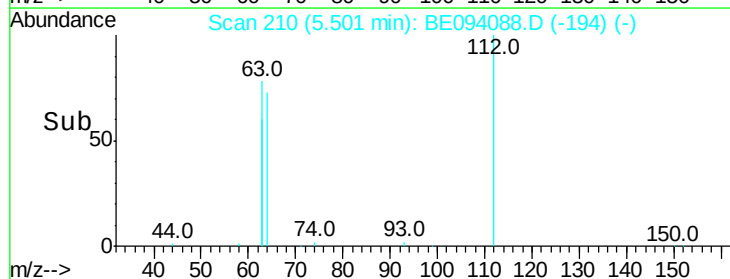
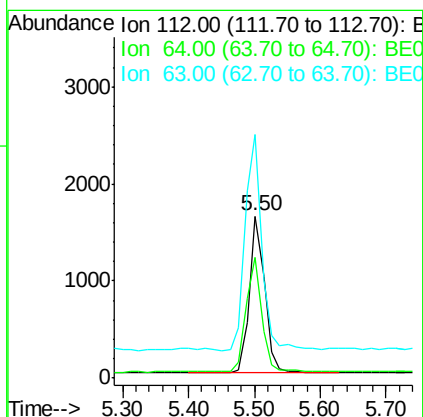
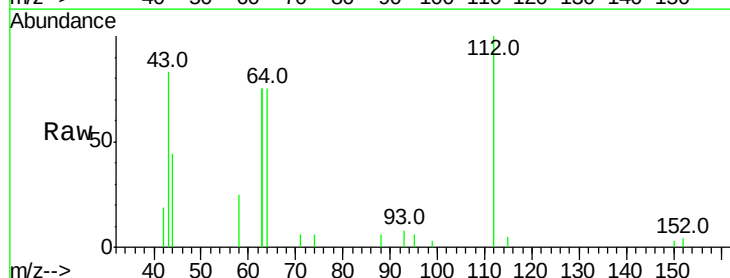
Tot Ion: 42 Resp: 79  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 100.3 150.5#  
 44 0.0 17.0 25.4#

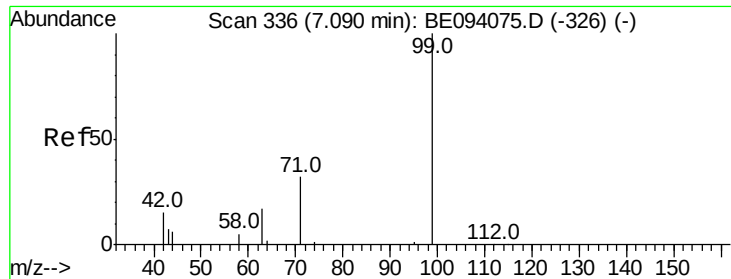


#4

2-Fluorophenol  
 Concen: 0.188 ng  
 RT: 5.50 min Scan# 210  
 Delta R.T. -0.00 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

Tgt Ion: 112 Resp: 2642  
 Ion Ratio Lower Upper  
 112 100  
 64 74.7 60.1 90.1  
 63 148.5 116.8 175.2





#5

Phenol-d6

Concen: 0.336 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampled :

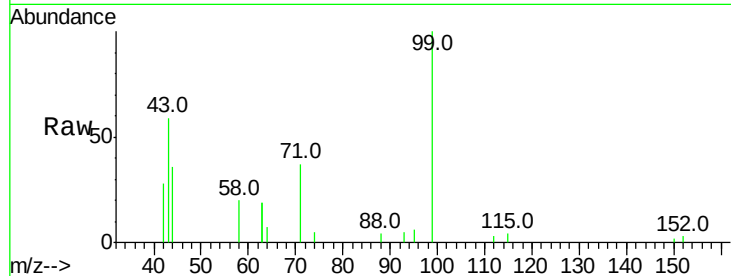
Tot Ion: 99 Resp: 3720

Ion Ratio Lower Upper

99 100

42 28.1 20.2 30.2

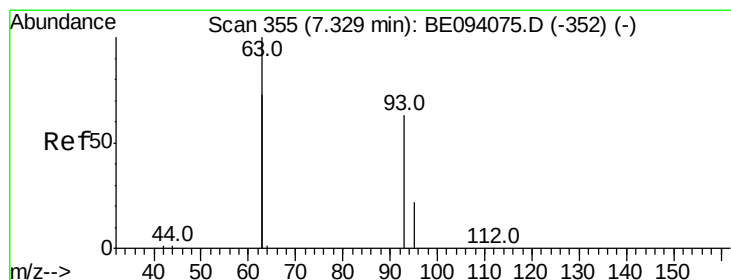
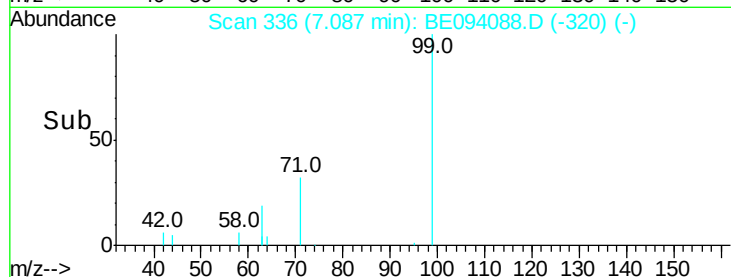
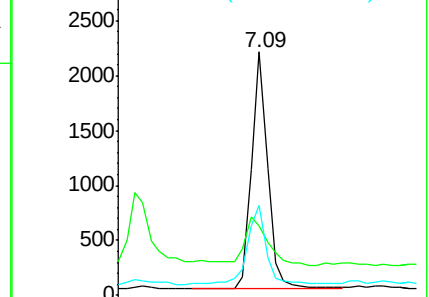
71 38.7 28.4 42.6



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: 0.096 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

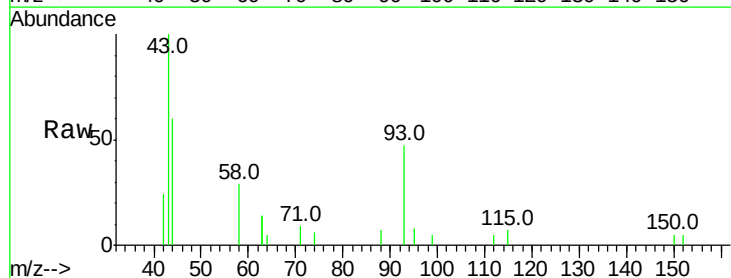
Tgt Ion: 93 Resp: 797

Ion Ratio Lower Upper

93 100

63 11.9 275.3 412.9#

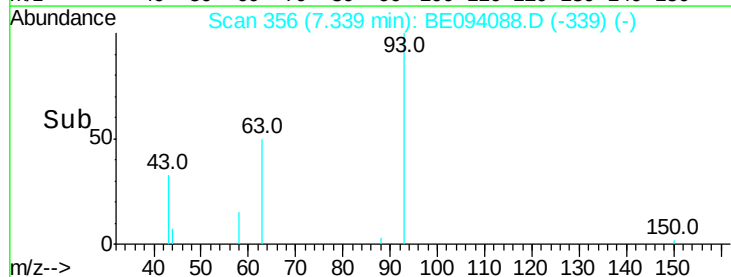
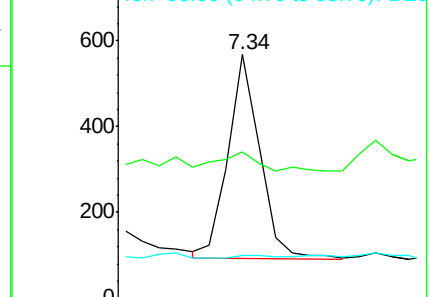
95 1.5 25.2 37.8#

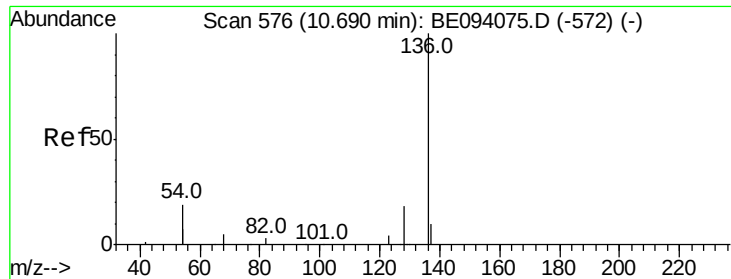


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 576

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 11031

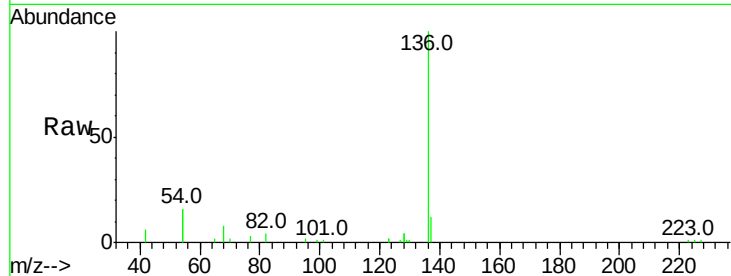
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 32.0 29.1 43.7

68 7.8 6.2 9.2

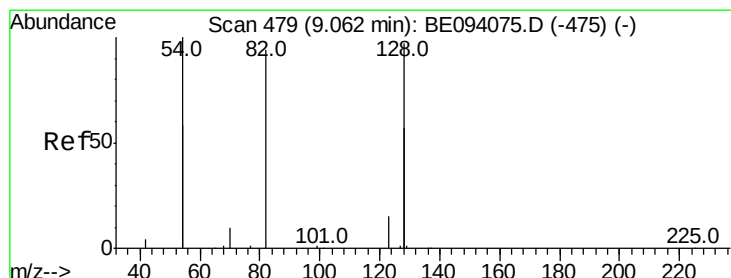
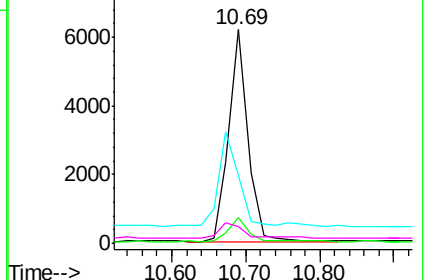
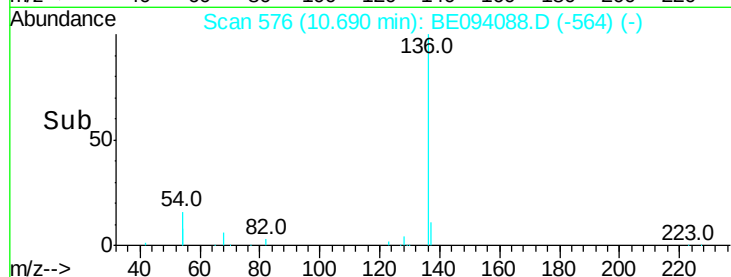


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.299 ng

RT: 9.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

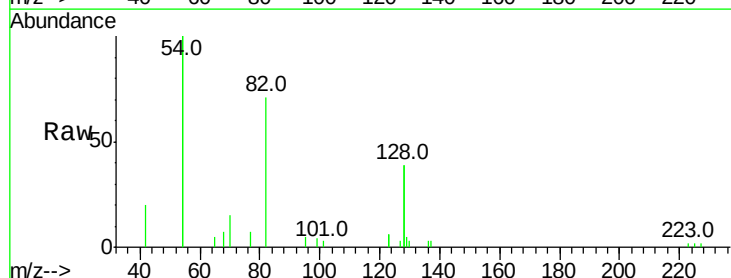
Tgt Ion: 82 Resp: 2929

Ion Ratio Lower Upper

82 100

128 111.3 150.0 225.0#

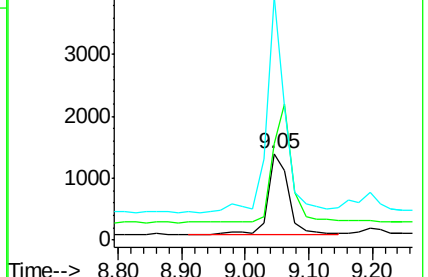
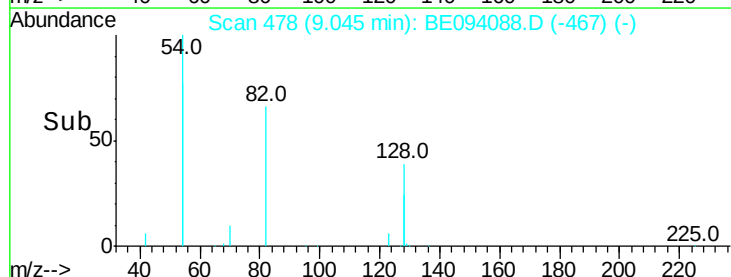
54 282.2 154.2 231.4#

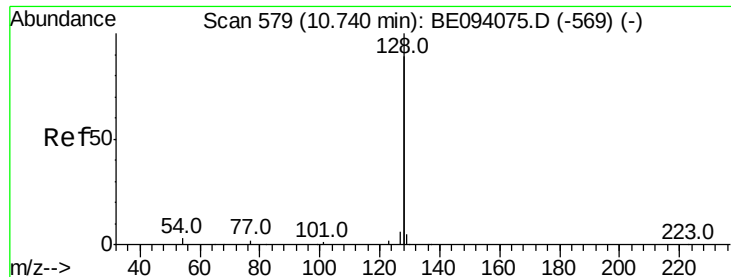


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: Below Cal

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

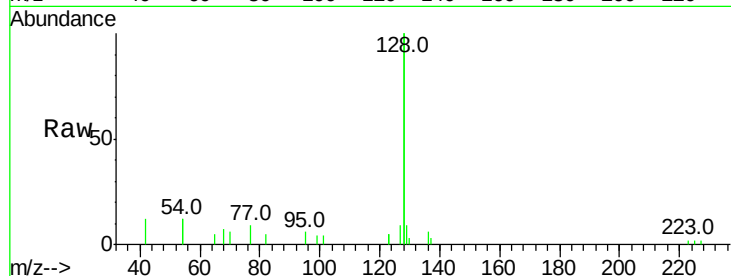
Tot Ion:128 Resp: 8249

Ion Ratio Lower Upper

128 100

129 4.4 2.6 3.8#

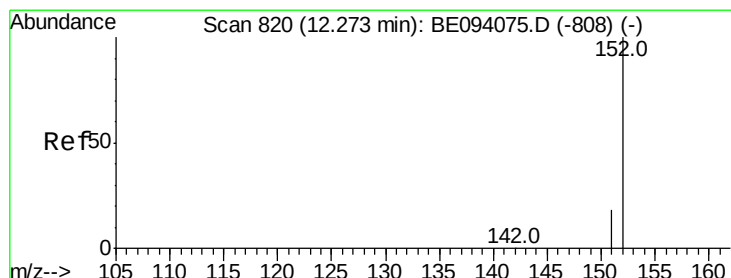
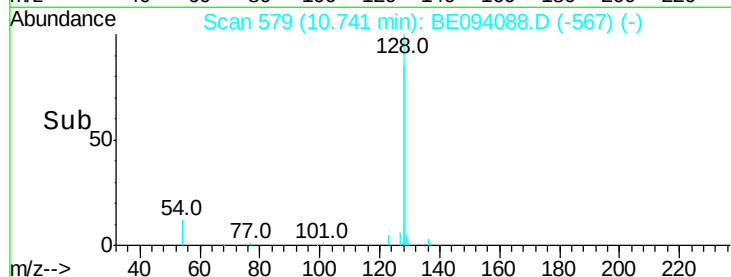
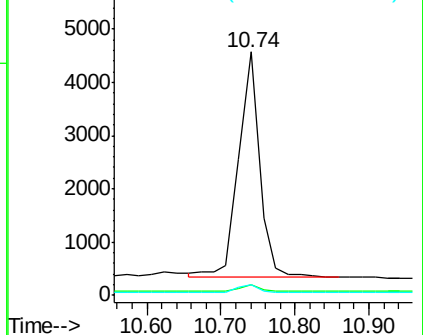
127 4.4 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.253 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094088.D

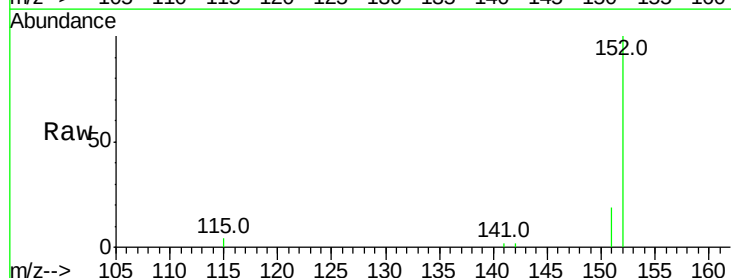
Acq: 23 Sep 2017 21:20

Tgt Ion:152 Resp: 4721

Ion Ratio Lower Upper

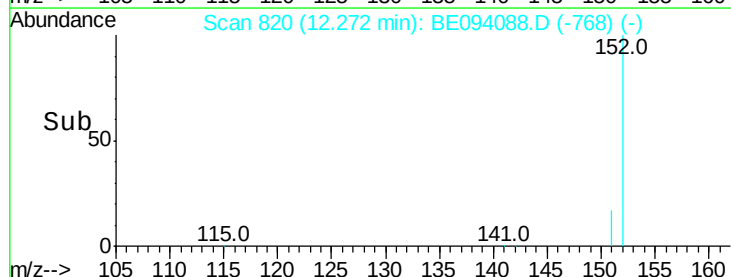
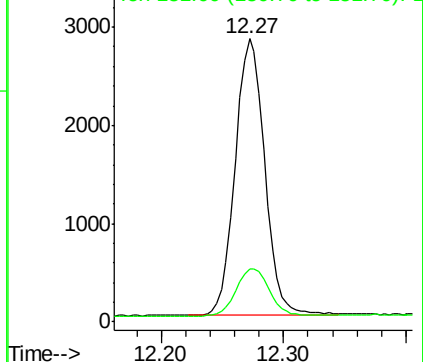
152 100

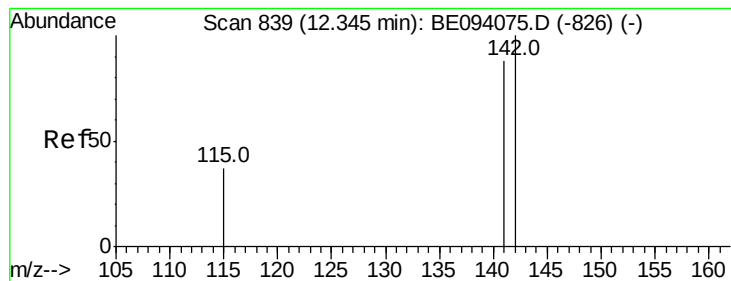
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.043 ng

RT: 12.34 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

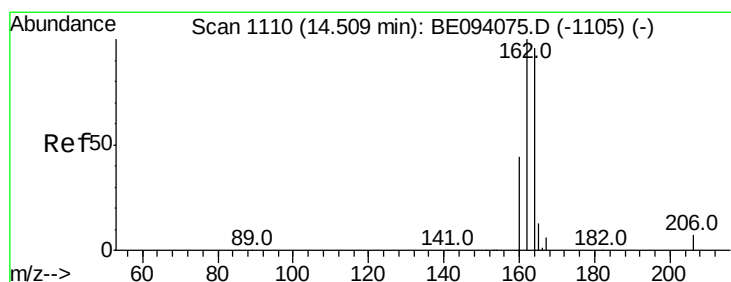
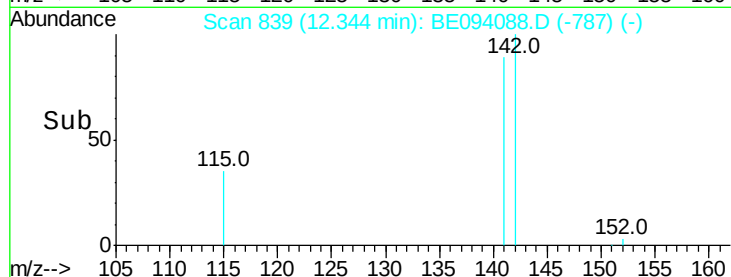
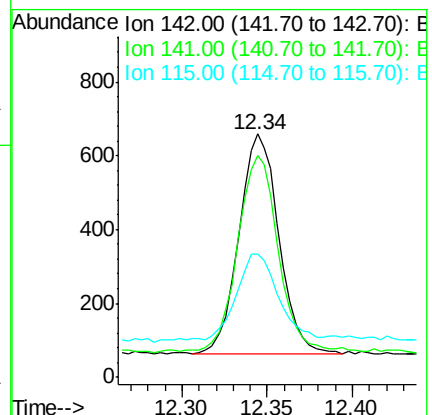
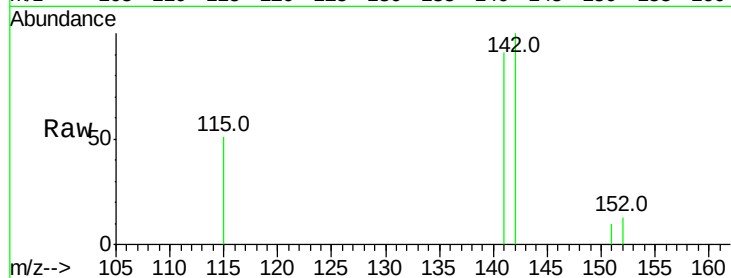
Tot Ion:142 Resp: 969

Ion Ratio Lower Upper

142 100

141 91.0 70.4 105.6

115 50.5 31.7 47.5#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

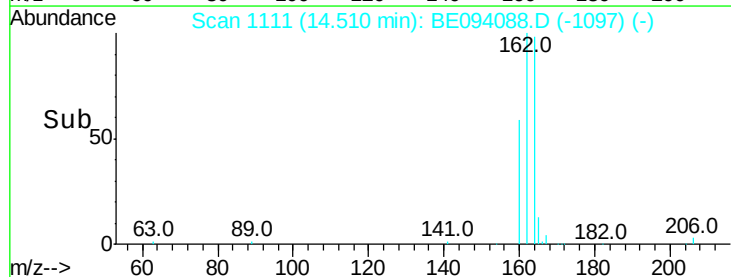
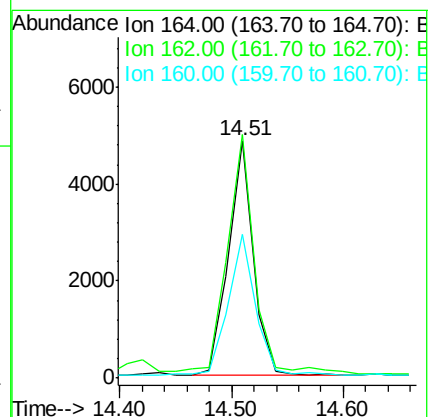
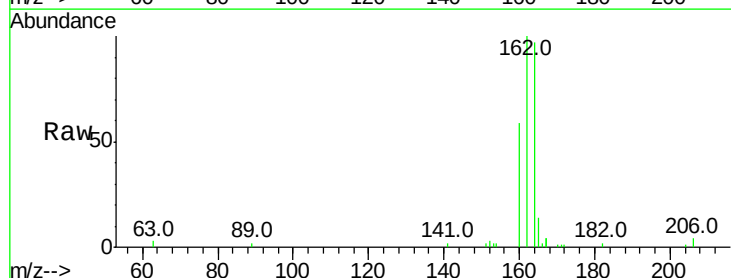
Tgt Ion:164 Resp: 7345

Ion Ratio Lower Upper

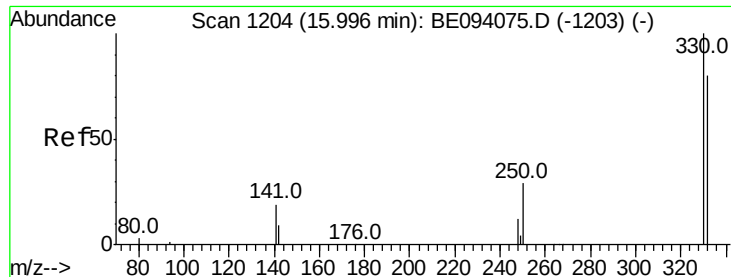
164 100

162 102.6 83.1 124.7

160 60.6 37.1 55.7#



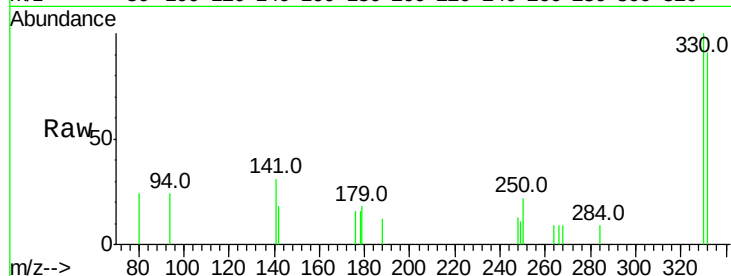




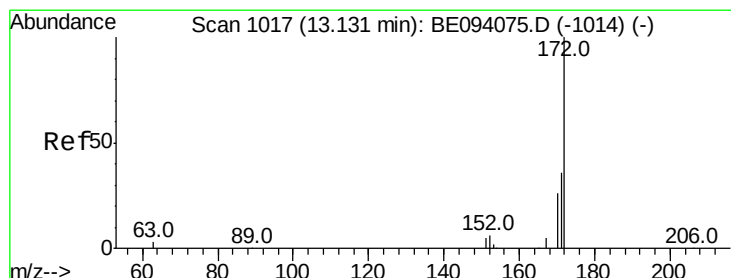
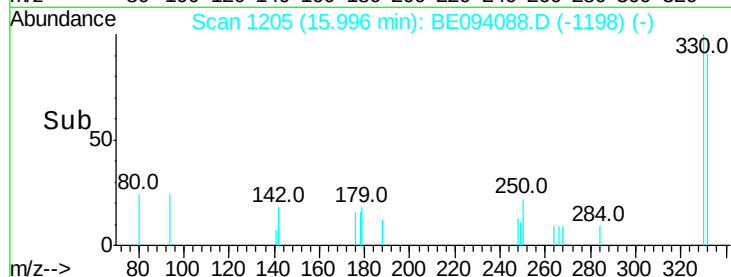
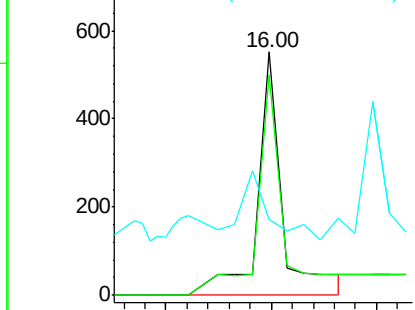
#14  
 2,4,6-Tribromophenol  
 Concen: 0.343 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:330 Resp: 1912  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 152.7 229.1#  
 141 0.0 33.7 50.5#

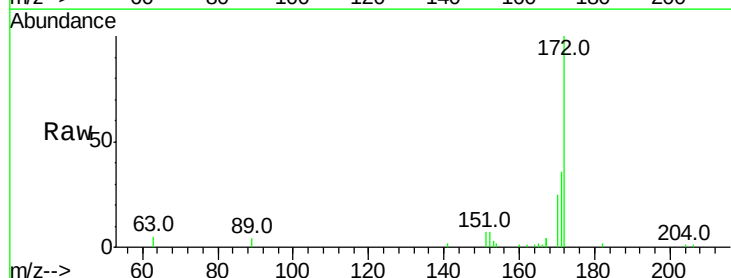


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

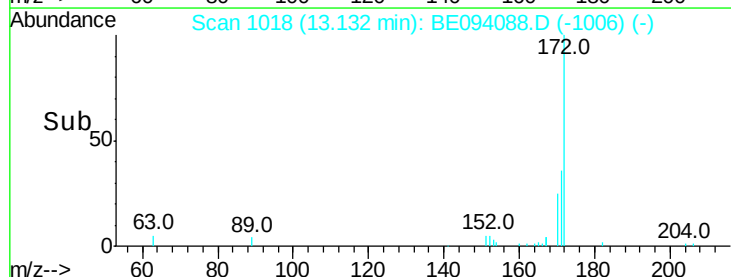
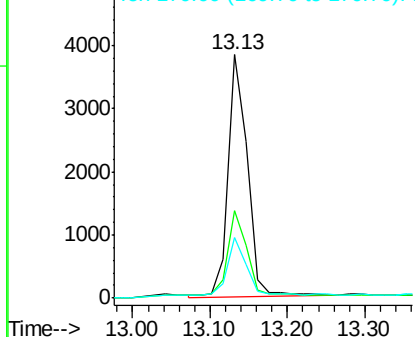


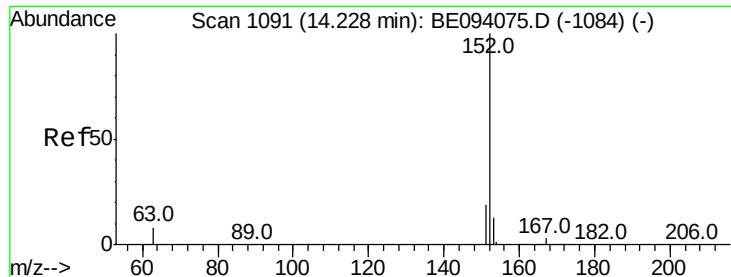
#15  
 2-Fluorobiphenyl  
 Concen: 0.273 ng  
 RT: 13.13 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

Tgt Ion:172 Resp: 6583  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.9 44.9  
 170 24.8 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: 0.210 ng

RT: 14.23 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

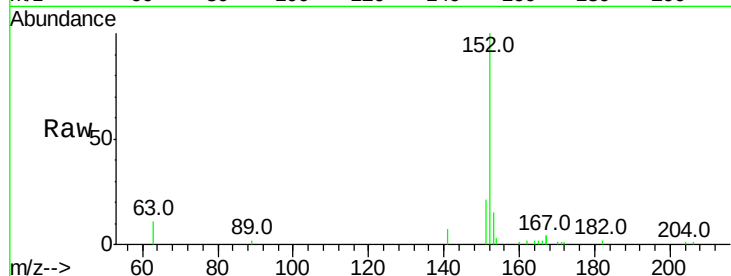
Tot Ion:152 Resp: 7747

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

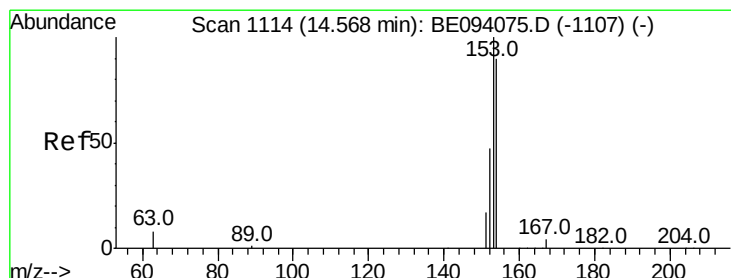
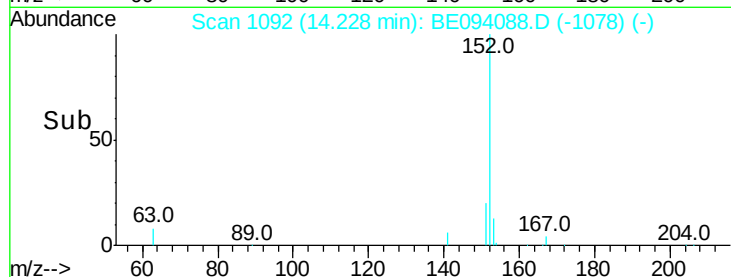
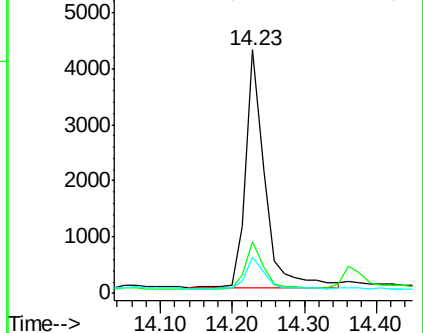
153 13.1 10.5 15.7



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: 0.065 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

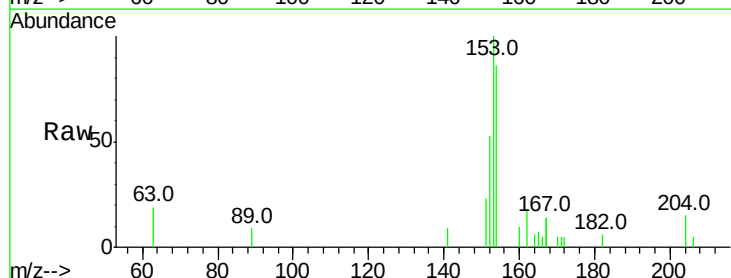
Tgt Ion:154 Resp: 1601

Ion Ratio Lower Upper

154 100

153 108.3 89.2 133.8

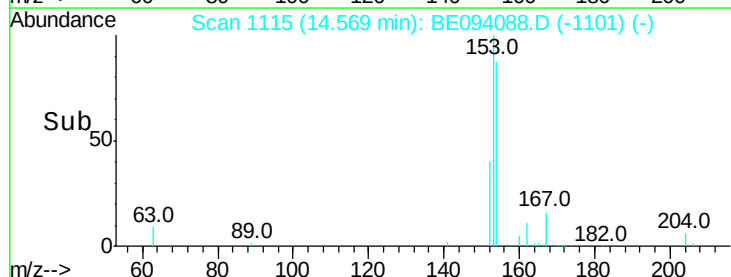
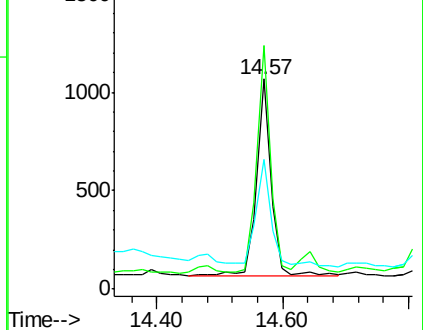
152 58.7 42.0 63.0

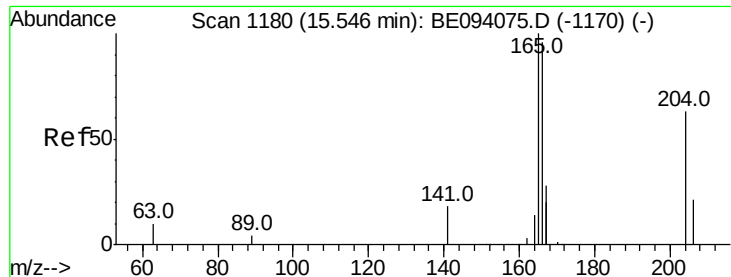


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.084 ng

RT: 15.55 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

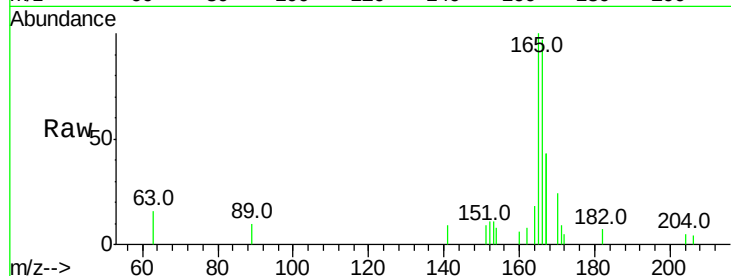
Tot Ion:166 Resp: 3074

Ion Ratio Lower Upper

166 100

165 109.2 77.8 116.6

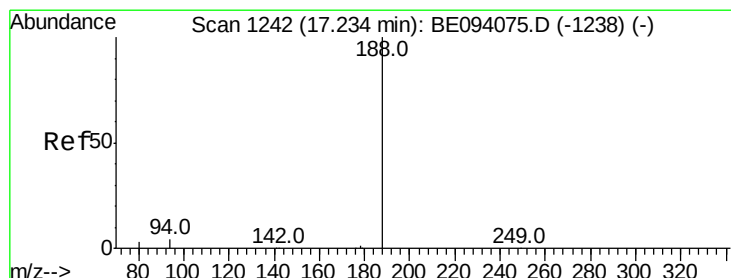
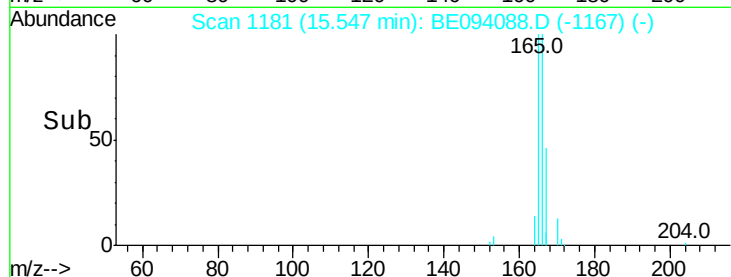
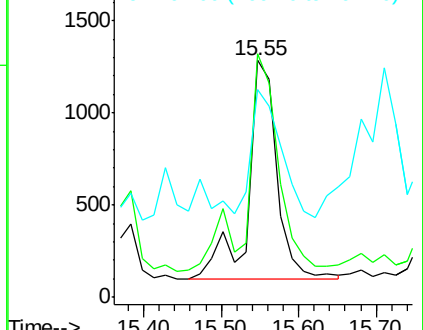
167 60.3 42.4 63.6



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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

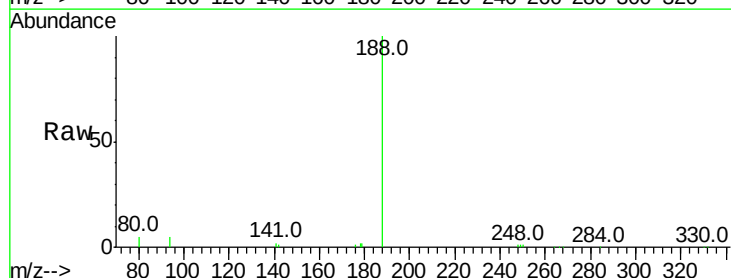
Tgt Ion:188 Resp: 23967

Ion Ratio Lower Upper

188 100

94 5.2 3.9 5.9

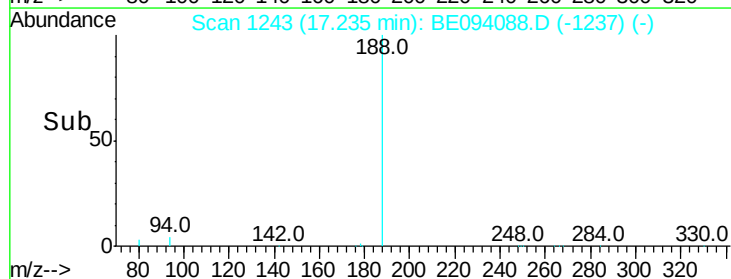
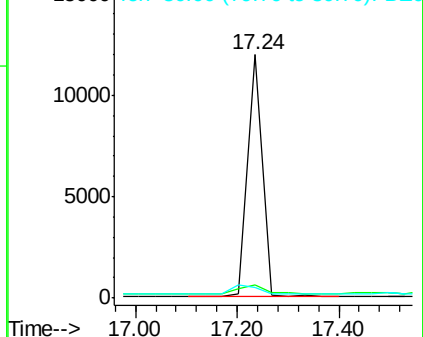
80 4.6 3.6 5.4

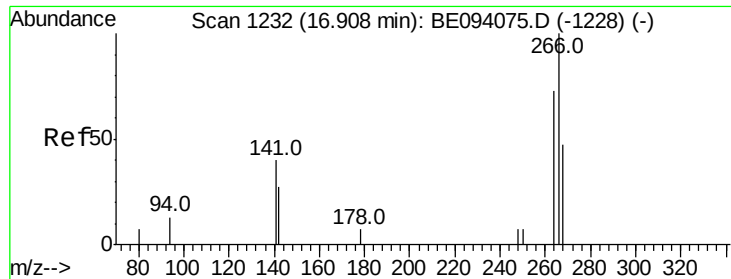


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.026 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

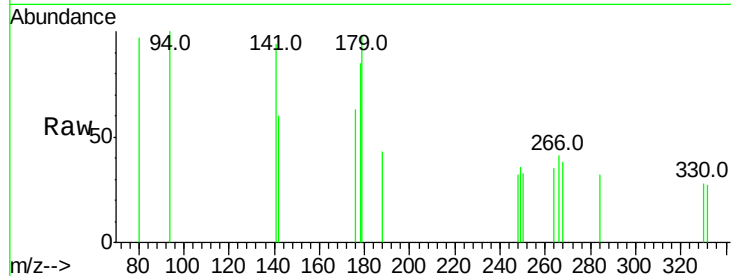
Tot Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 86.1 72.5 108.7

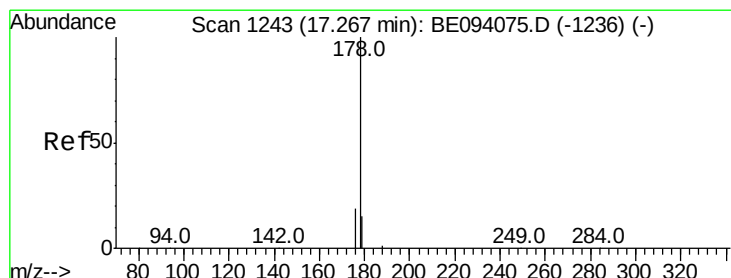
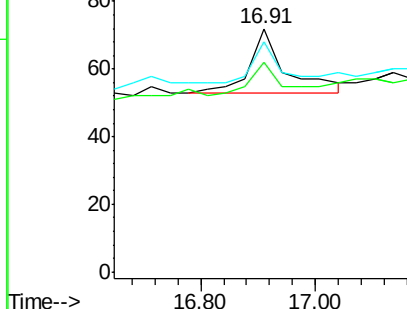
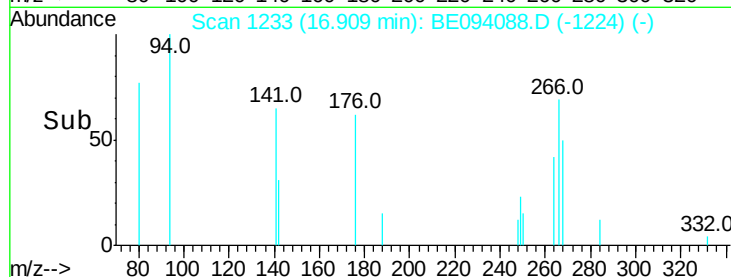
268 94.4 73.8 110.6



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: 1.062 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

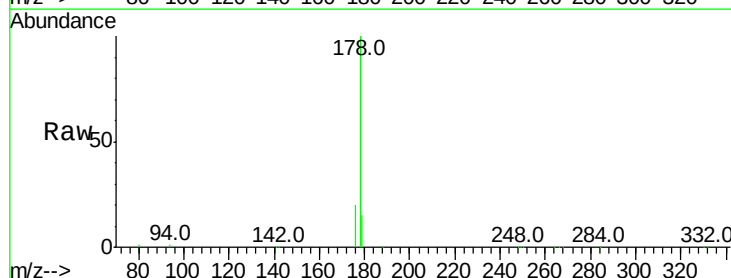
Tgt Ion:178 Resp: 91209

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

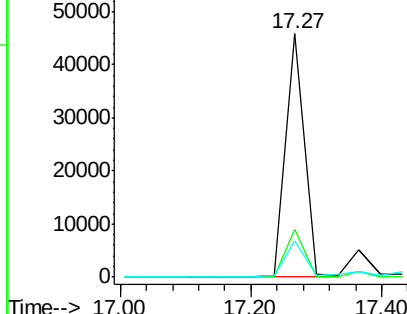
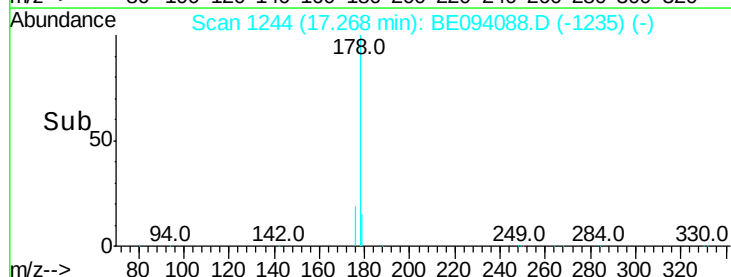
179 15.7 11.8 17.6

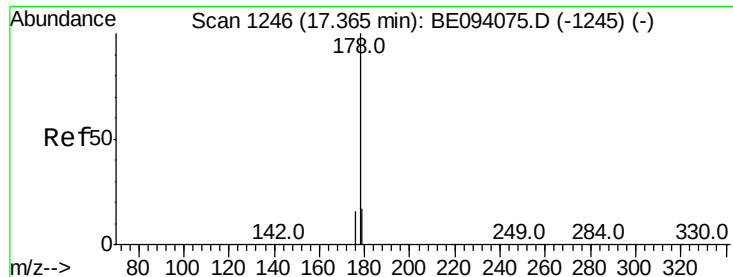


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.174 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

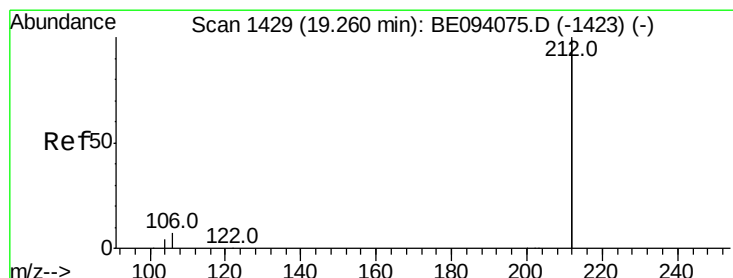
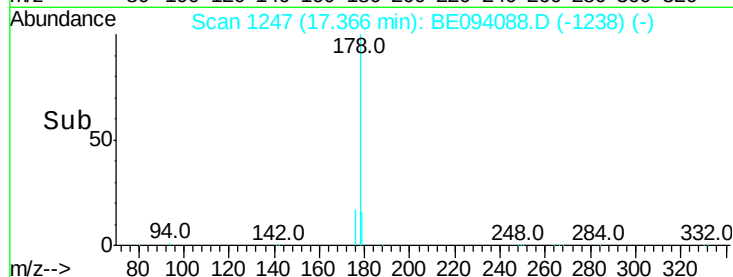
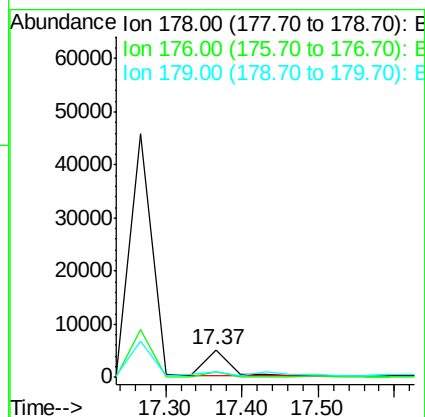
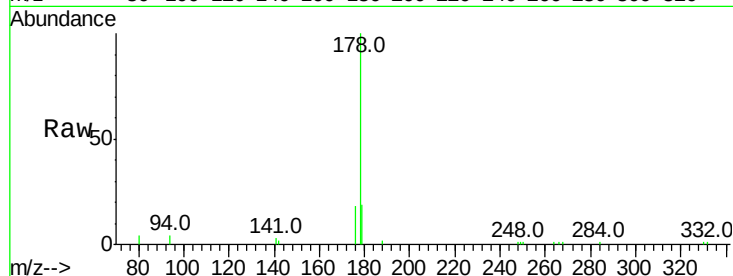
Tot Ion:178 Resp: 11519

Ion Ratio Lower Upper

178 100

176 17.5 12.8 19.2

179 11.7 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.154 ng

RT: 19.26 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

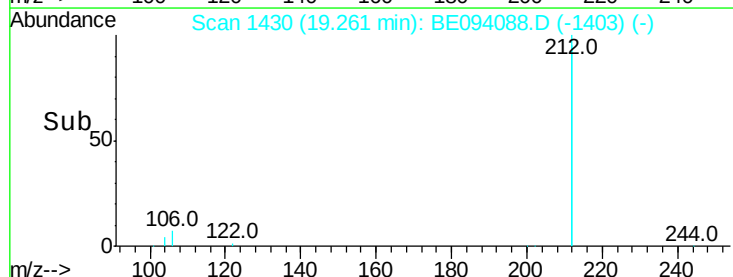
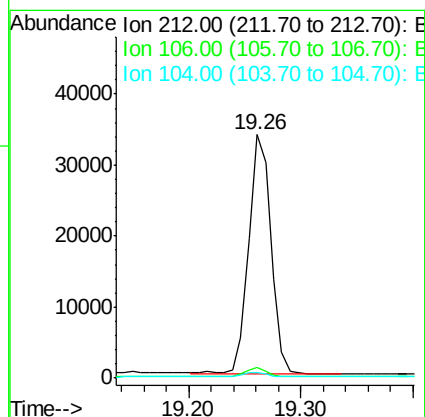
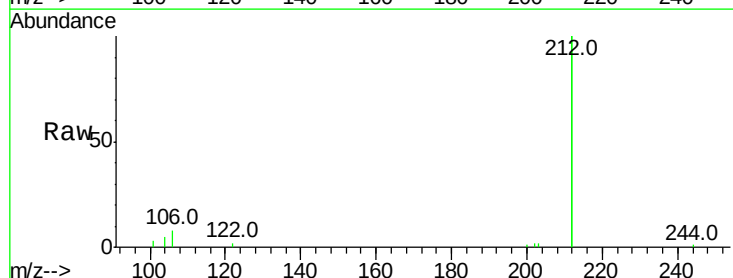
Tgt Ion:212 Resp: 47345

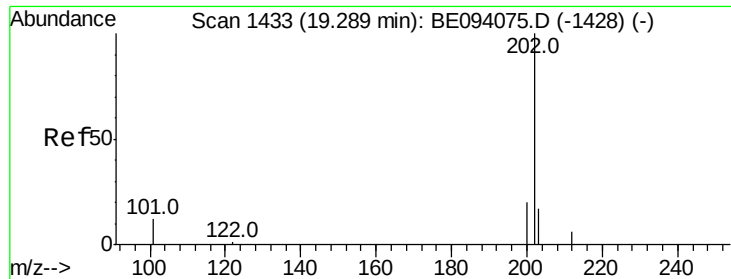
Ion Ratio Lower Upper

212 100

106 4.1 2.8 4.2

104 2.3 1.6 2.4

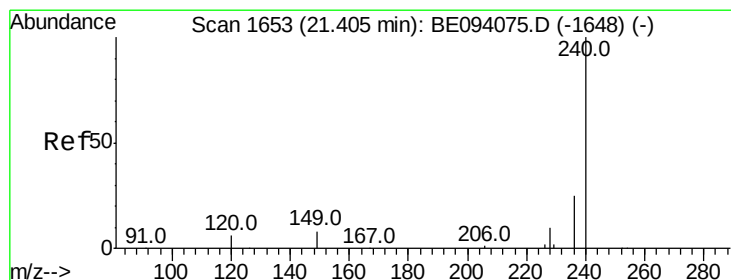
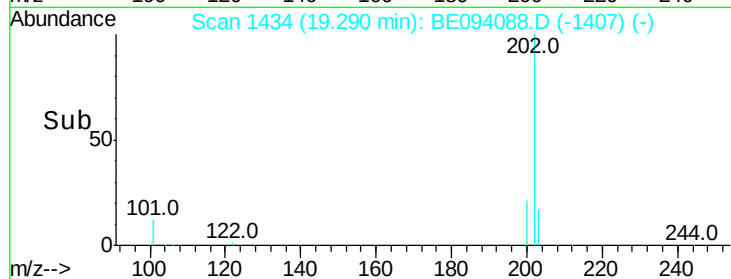
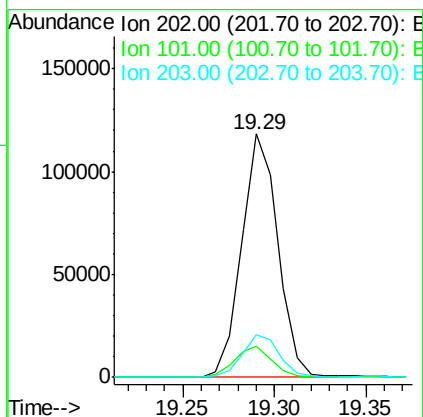
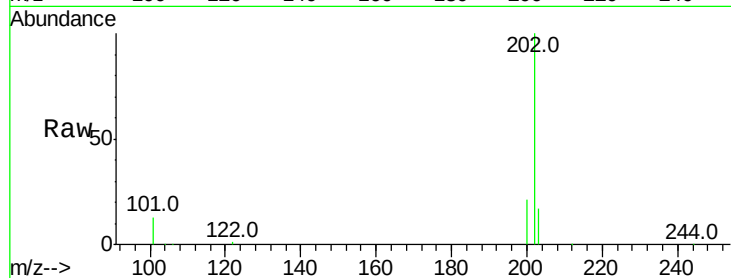




#26  
Fluoranthene  
Concen: 1.762 ng  
RT: 19.29 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

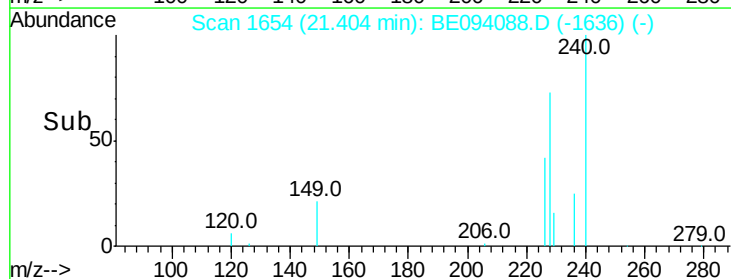
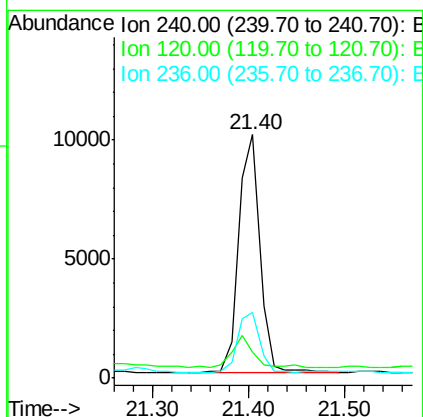
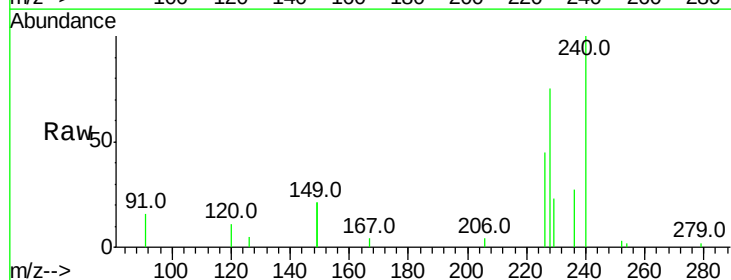
Instrument :  
BNA\_E  
ClientSampleId :

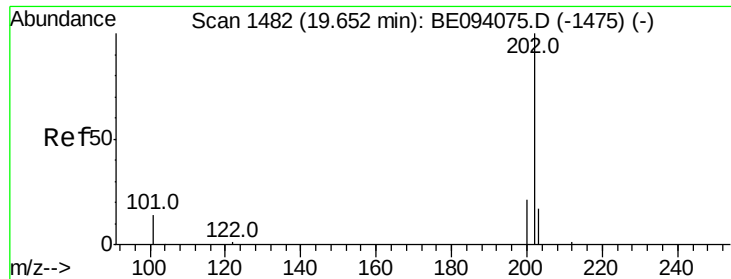
Tot Ion:202 Resp: 162271  
Ion Ratio Lower Upper  
202 100  
101 12.8 9.8 14.8  
203 17.5 13.7 20.5



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

Tgt Ion:240 Resp: 15314  
Ion Ratio Lower Upper  
240 100  
120 10.5 5.5 8.3#  
236 27.2 20.7 31.1

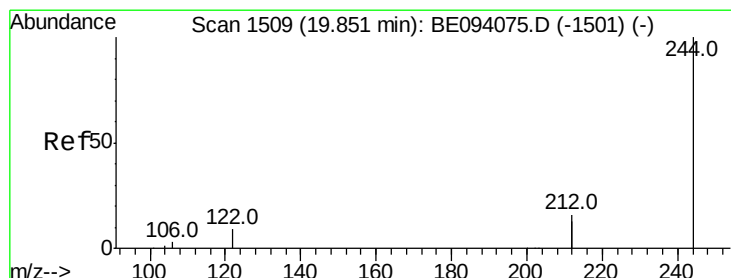
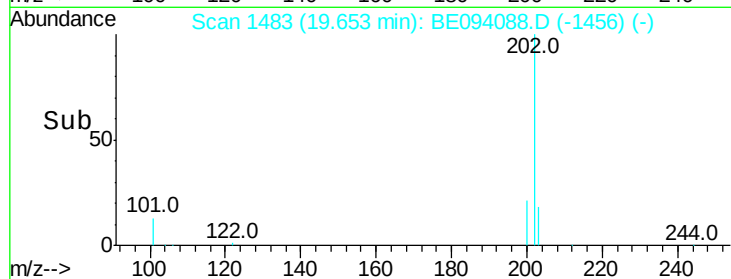
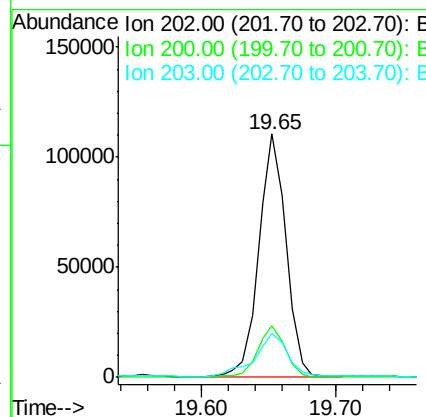
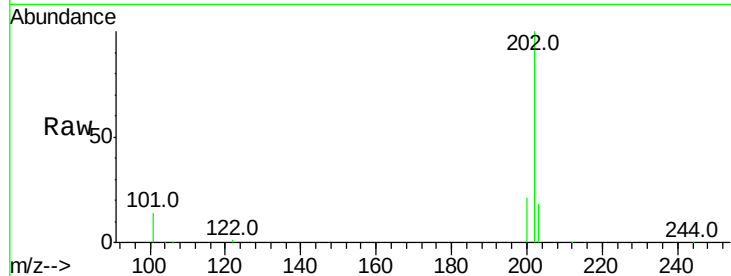




#28  
Pvrene  
Concen: 3.655 ng  
RT: 19.65 min Scan# 1483  
Delta R.T. 0.00 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

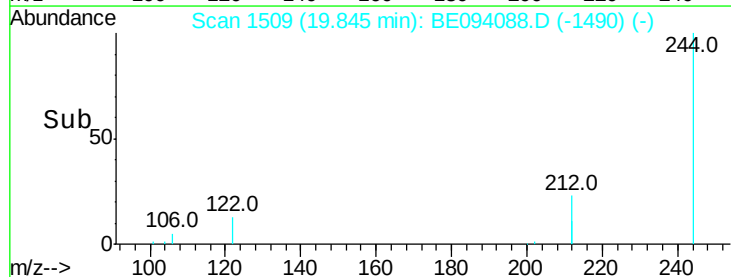
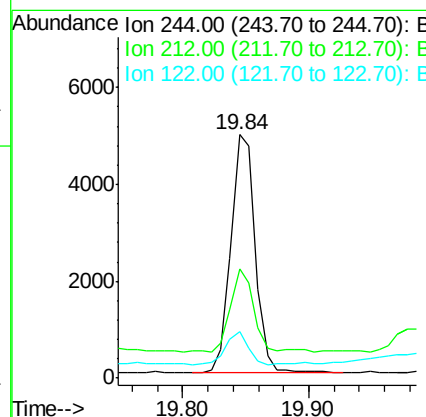
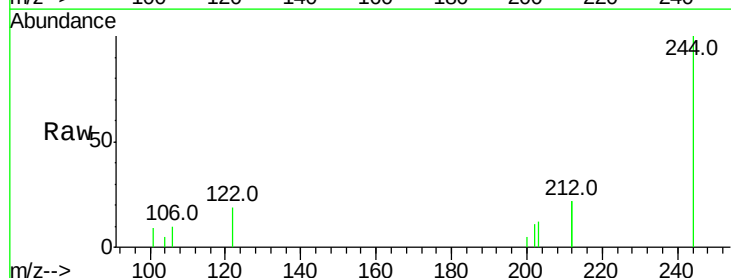
Instrument :  
BNA\_E  
ClientSampled :

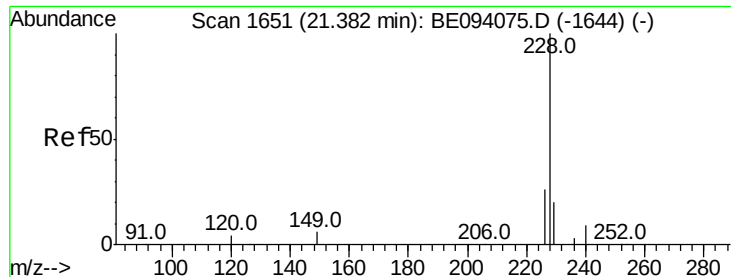
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 16.6  | 25.0  |
| 203     | 21.5  | 13.8  | 20.8  |



#29  
Terphenyl-d14  
Concen: 0.270 ng  
RT: 19.84 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 44.8  | 25.4  | 38.0  |
| 122     | 18.9  | 8.1   | 12.1  |





#30

Benzo(a)anthracene

Concen: 1.257 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

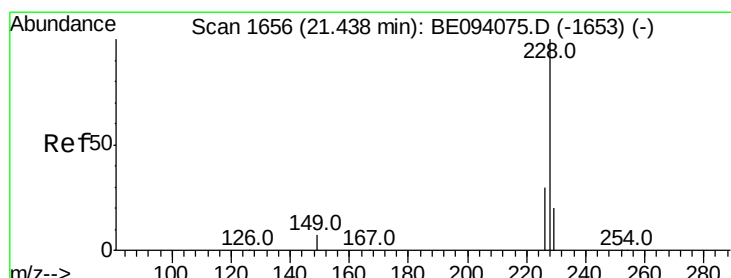
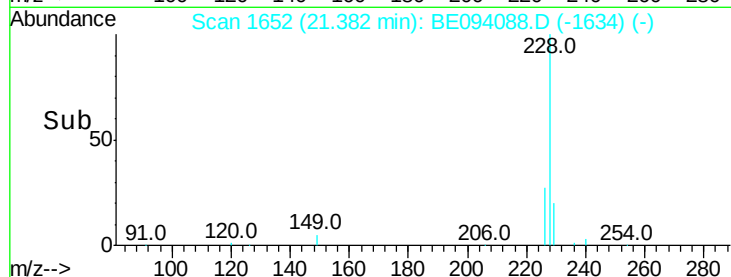
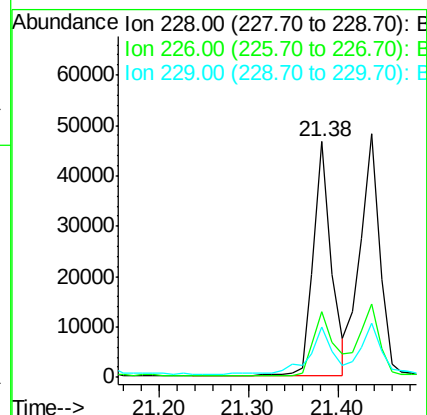
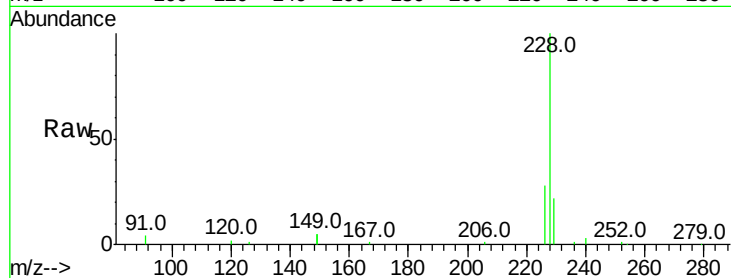
Tot Ion:228 Resp: 64476

Ion Ratio Lower Upper

228 100

226 27.9 21.4 32.0

229 21.6 16.4 24.6



#31

Chrysene

Concen: 1.446 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

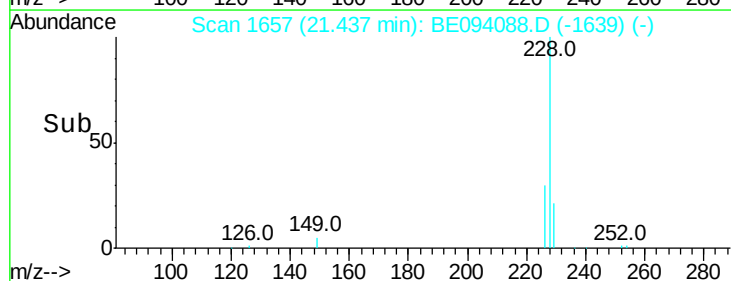
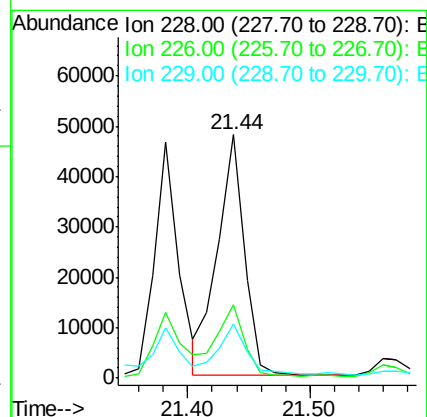
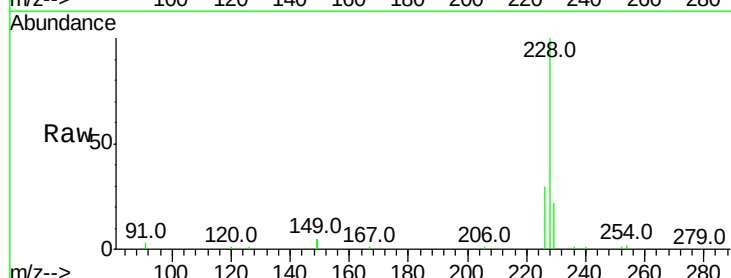
Tgt Ion:228 Resp: 72684

Ion Ratio Lower Upper

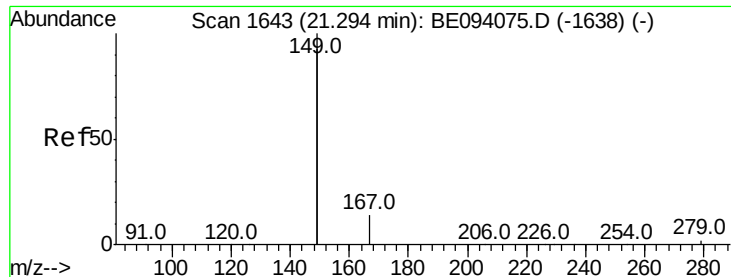
228 100

226 30.2 23.6 35.4

229 22.2 16.4 24.6







#32

Bis(2-ethylhexyl)phthalate

Concen: 0.244 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

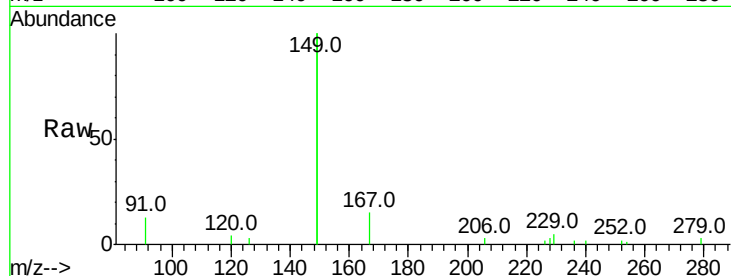
Tot Ion:149 Resp: 33591

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

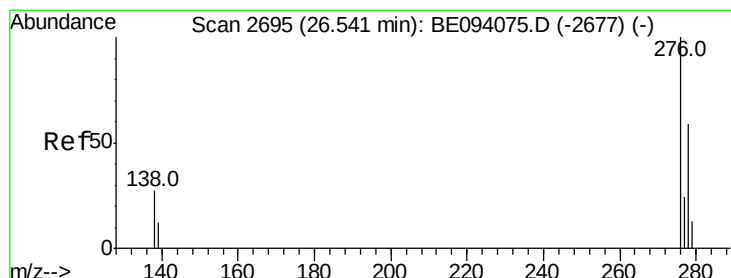
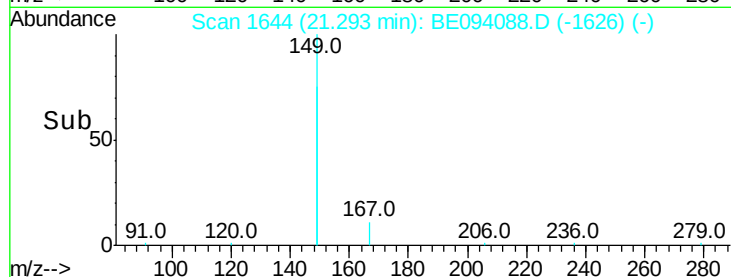
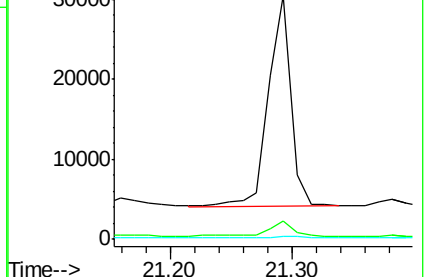
279 1.0 0.7 1.1



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: 1.048 ng

RT: 26.54 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

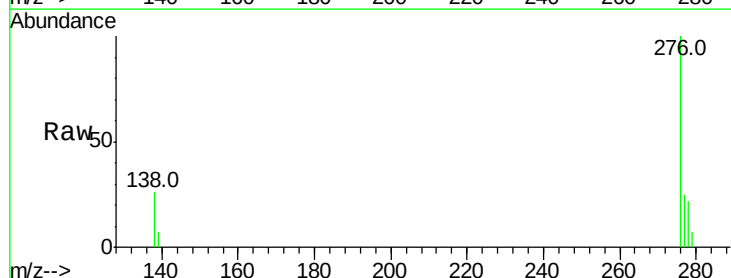
Tgt Ion:276 Resp: 40716

Ion Ratio Lower Upper

276 100

138 25.0 22.5 33.7

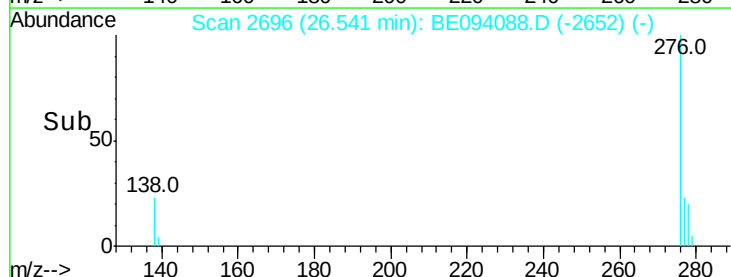
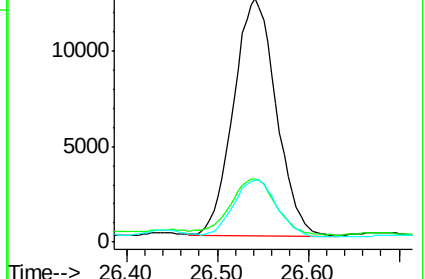
277 24.5 19.9 29.9

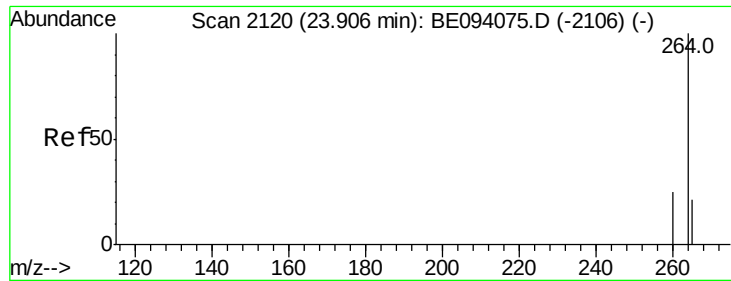


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

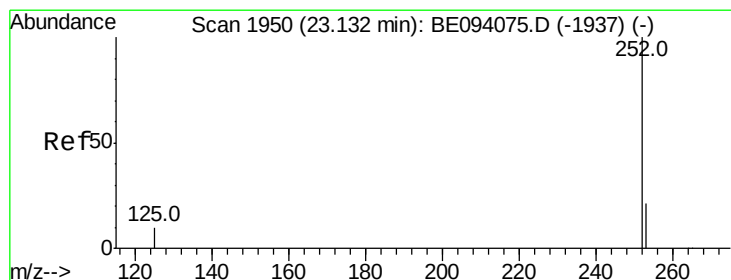
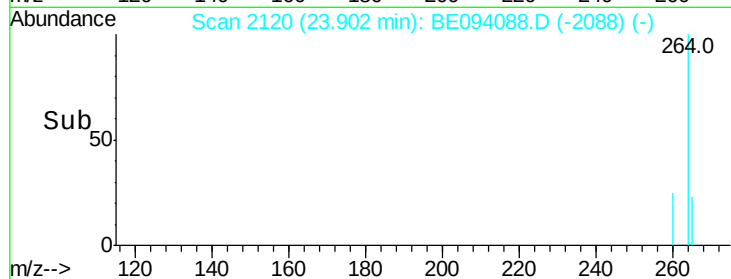
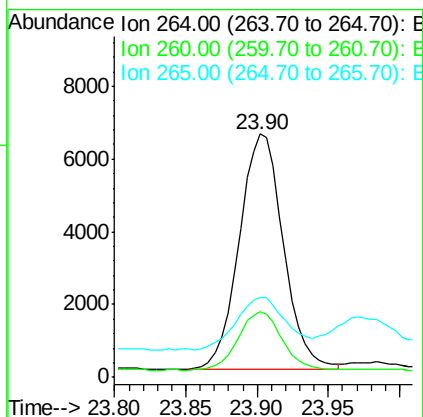
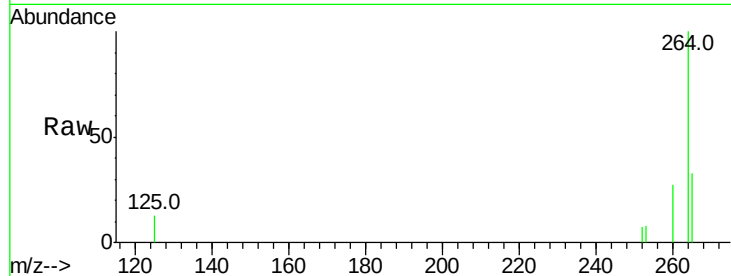




#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.90 min Scan# 2120  
 Delta R.T. -0.00 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

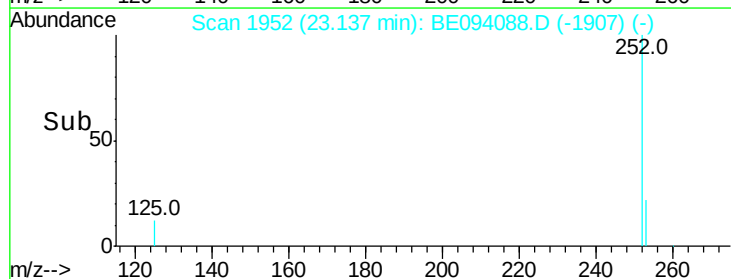
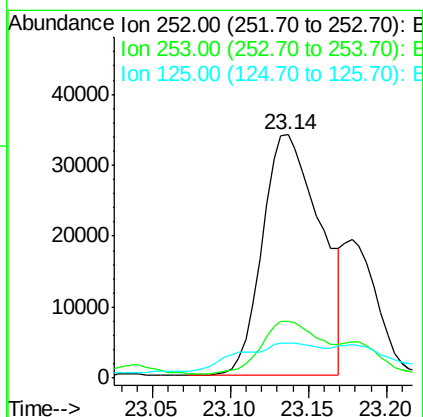
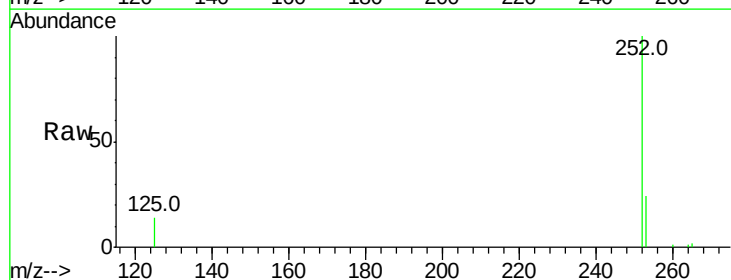
Instrument :  
 BNA\_E  
 ClientSampleId :

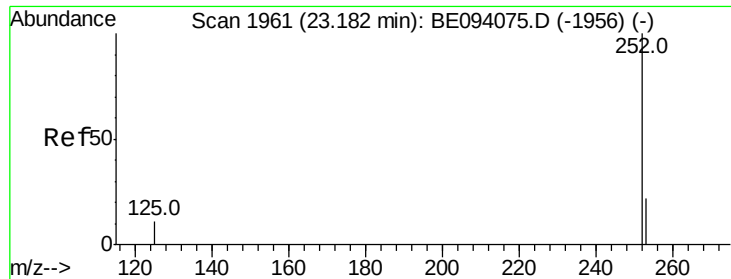
Tot Ion:264 Resp: 14070  
 Ion Ratio Lower Upper  
 264 100  
 260 26.8 20.5 30.7  
 265 32.7 22.8 34.2



#35  
 Benzo(b)fluoranthene  
 Concen: 1.729 ng  
 RT: 23.14 min Scan# 1952  
 Delta R.T. 0.01 min  
 Lab File: BE094088.D  
 Acq: 23 Sep 2017 21:20

Tgt Ion:252 Resp: 88044  
 Ion Ratio Lower Upper  
 252 100  
 253 23.6 18.2 27.2  
 125 14.4 10.1 15.1

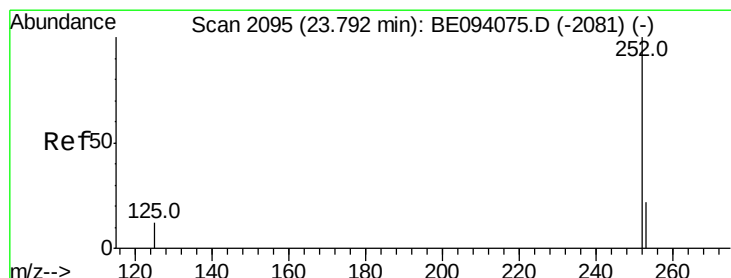
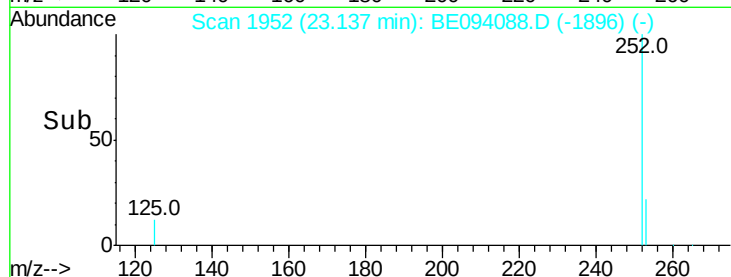
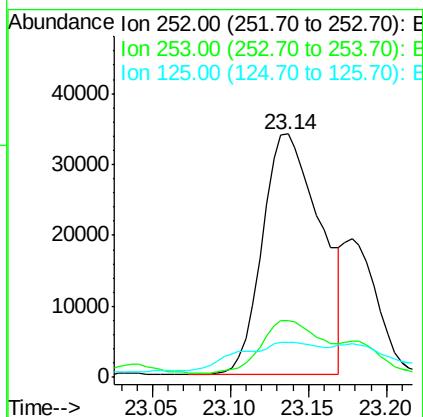
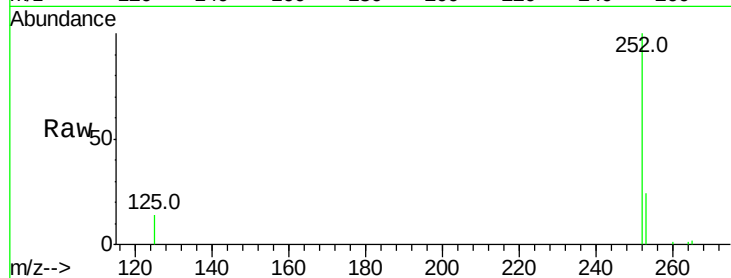




#36  
Benzo(k)fluoranthene  
Concen: 1.723 ng  
RT: 23.14 min Scan# 1952  
Delta R.T. -0.04 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

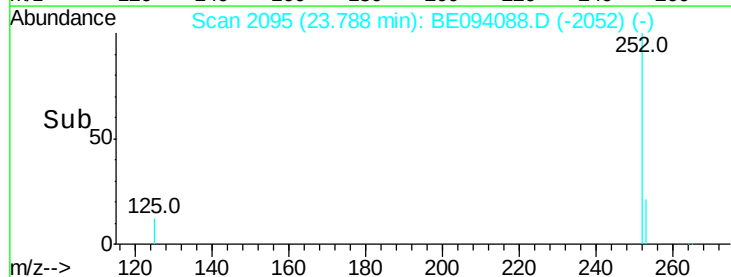
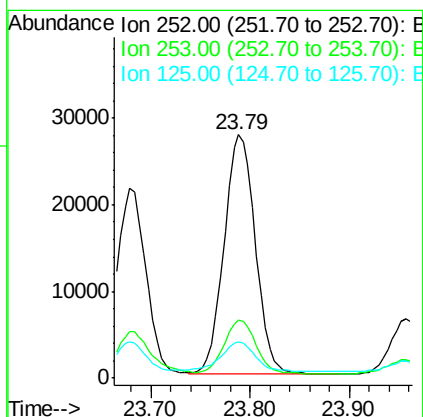
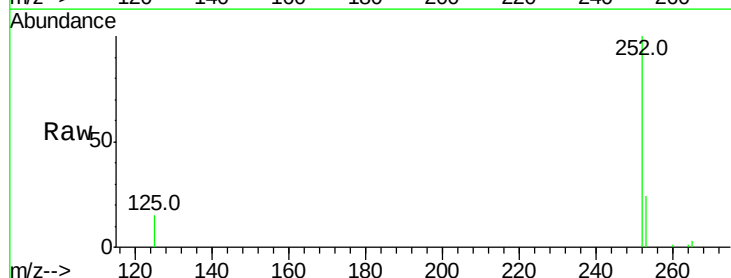
Instrument :  
BNA\_E  
ClientSampleId :

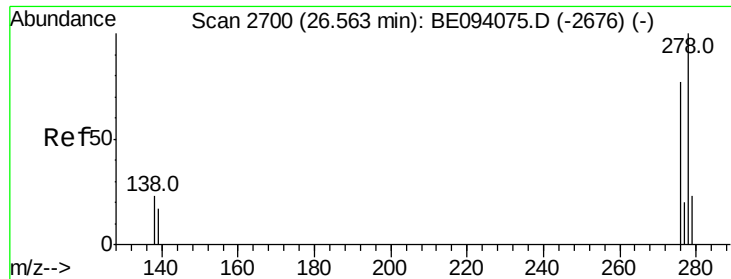
Tot Ion:252 Resp: 88044  
Ion Ratio Lower Upper  
252 100  
253 23.6 18.6 27.8  
125 14.4 10.7 16.1



#37  
Benzo(a)pyrene  
Concen: 1.322 ng  
RT: 23.79 min Scan# 2095  
Delta R.T. -0.00 min  
Lab File: BE094088.D  
Acq: 23 Sep 2017 21:20

Tgt Ion:252 Resp: 60444  
Ion Ratio Lower Upper  
252 100  
253 23.6 19.0 28.6  
125 14.9 11.8 17.8





#38

Dibenzo(a,h)anthracene

Concen: 0.281 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.01 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA\_E

ClientSampleId :

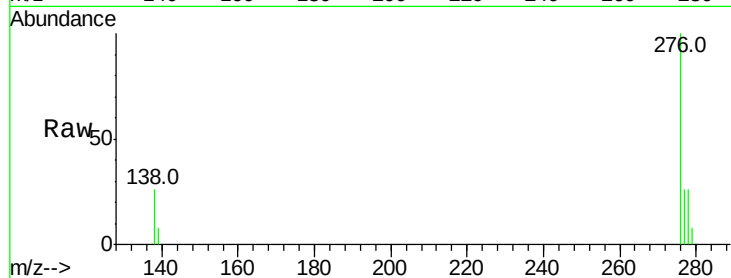
Tot Ion:278 Resp: 10299

Ion Ratio Lower Upper

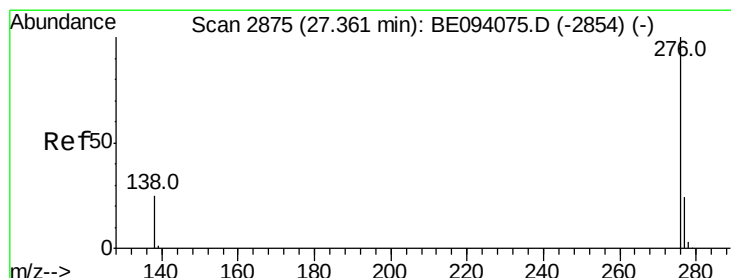
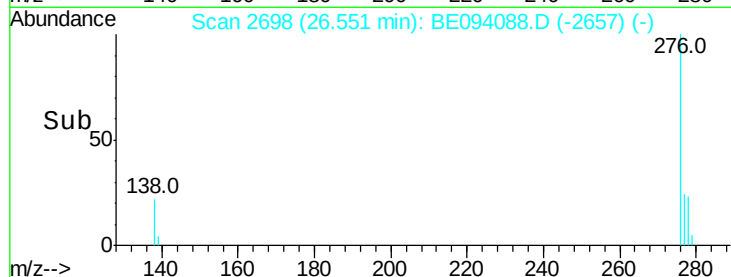
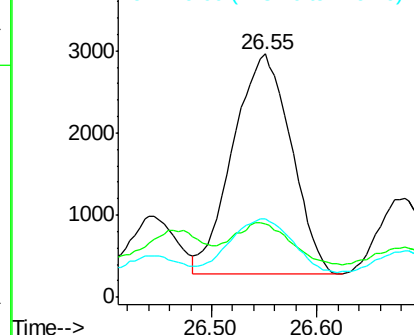
278 100

139 30.1 16.3 24.5#

279 32.1 19.9 29.9#



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: 1.129 ng

RT: 27.36 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

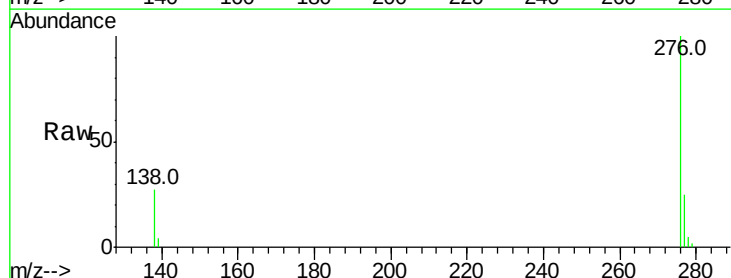
Tgt Ion:276 Resp: 41307

Ion Ratio Lower Upper

276 100

277 24.8 20.8 31.2

138 26.9 21.5 32.3



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

