

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110917\  
 Data File : BE094786.D  
 Acq On : 8 Nov 2017 17:09  
 Operator : SJ/JU  
 Sample : PB103996BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103996BS

Quant Time: Nov 09 00:20:53 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 1037     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.72 | 136  | 6474     | 0.40 | ng    | 0.02     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 3751     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 9542     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12          | 21.44 | 240  | 8937     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.98 | 264  | 7941     | 0.40 | ng    | 0.03     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.56  | 112 | 929   | 0.26 | ng | 0.04 |
| 5) Phenol-d6                | 7.22  | 99  | 1553  | 0.29 | ng | 0.09 |
| 8) Nitrobenzene-d5          | 9.13  | 82  | 1342  | 0.26 | ng | 0.05 |
| 11) 2-Methylnaphthalene-d10 | 12.31 | 152 | 3924  | 0.38 | ng | 0.02 |
| 14) 2,4,6-Tribromophenol    | 16.06 | 330 | 258   | 0.25 | ng | 0.03 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 4015  | 0.30 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.30 | 212 | 31093 | 0.23 | ng | 0.01 |
| 29) Terphenyl-d14           | 19.87 | 244 | 5277  | 0.31 | ng | 0.00 |

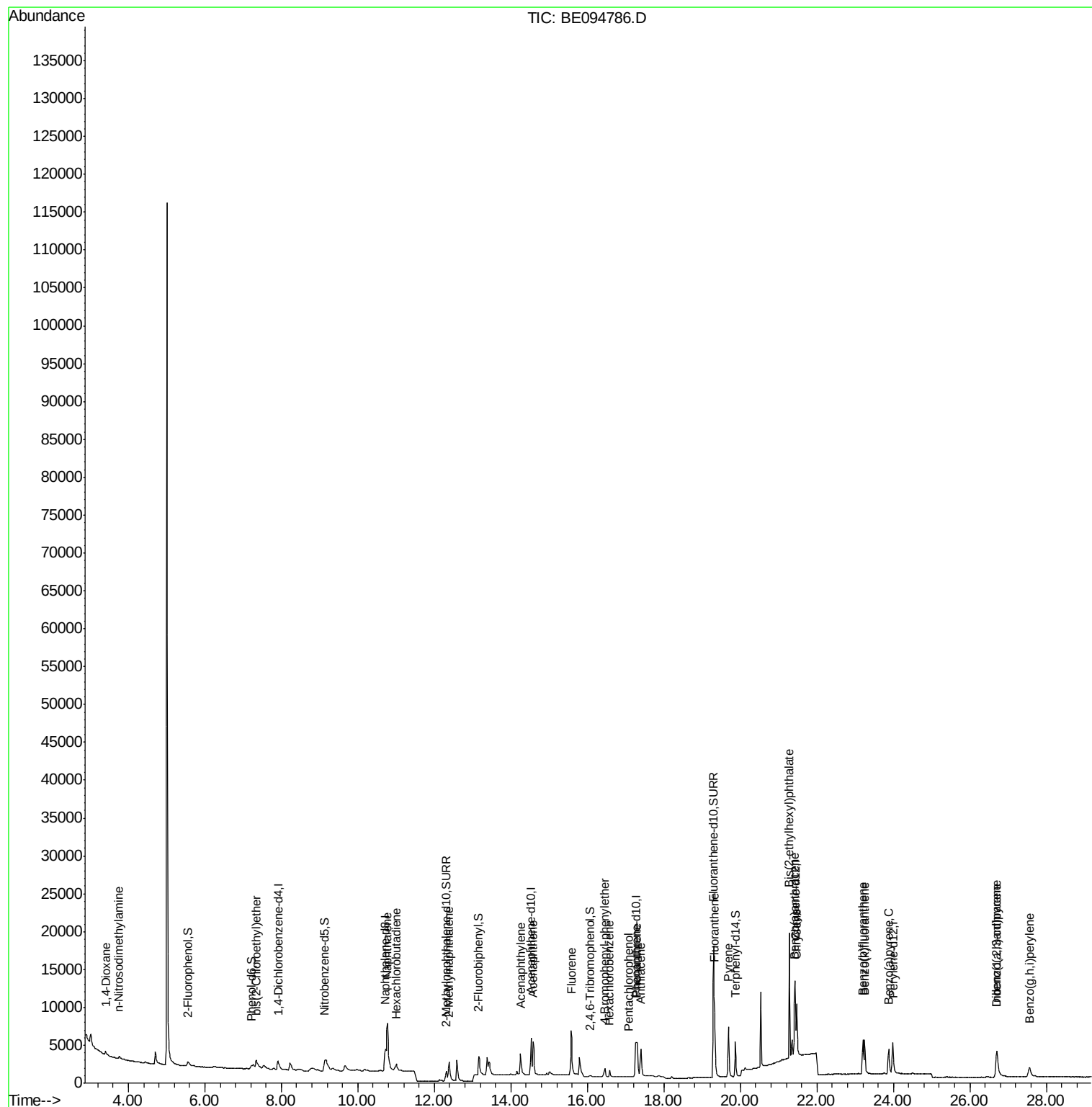
|                                |       |     |       |      |    |        |
|--------------------------------|-------|-----|-------|------|----|--------|
| Target Compounds               |       |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 398   | 0.23 | ng | # 16   |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 441   | 0.26 | ng | # 85   |
| 6) bis(2-Chloroethyl)ether     | 7.35  | 93  | 1090  | 0.26 | ng | # 57   |
| 9) Naphthalene                 | 10.77 | 128 | 18032 | 0.25 | ng | 98     |
| 10) Hexachlorobutadiene        | 11.01 | 225 | 708   | 0.27 | ng | 95     |
| 12) 2-Methylnaphthalene        | 12.38 | 142 | 3182  | 0.26 | ng | 98     |
| 16) Acenaphthylene             | 14.26 | 152 | 4981  | 0.25 | ng | 100    |
| 17) Acenaphthene               | 14.58 | 154 | 3204  | 0.25 | ng | 98     |
| 18) Fluorene                   | 15.59 | 166 | 4124  | 0.25 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 1074  | 0.21 | ng | # 76   |
| 21) Hexachlorobenzene          | 16.58 | 284 | 1126  | 0.25 | ng | 94     |
| 22) Pentachlorophenol          | 17.07 | 266 | 94    | 0.16 | ng | 98     |
| 23) Phenanthrene               | 17.30 | 178 | 7262  | 0.27 | ng | 99     |
| 24) Anthracene                 | 17.40 | 178 | 7322  | 0.26 | ng | 97     |
| 26) Fluoranthene               | 19.33 | 202 | 7917  | 0.18 | ng | 98     |
| 28) Pyrene                     | 19.69 | 202 | 8051  | 0.26 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.42 | 228 | 7672  | 0.26 | ng | # 64   |
| 31) Chrysene                   | 21.47 | 228 | 7739  | 0.26 | ng | # 67   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 19647 | 0.28 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.71 | 276 | 5727  | 0.21 | ng | 95     |
| 35) Benzo(b)fluoranthene       | 23.20 | 252 | 6916  | 0.27 | ng | # 45   |
| 36) Benzo(k)fluoranthene       | 23.25 | 252 | 7661  | 0.28 | ng | # 45   |
| 37) Benzo(a)pyrene             | 23.87 | 252 | 6963  | 0.28 | ng | # 40   |
| 38) Dibenzo(a,h)anthracene     | 26.70 | 278 | 5265  | 0.24 | ng | # 53   |
| 39) Benzo(g,h,i)perylene       | 27.56 | 276 | 4237  | 0.20 | ng | # 65   |

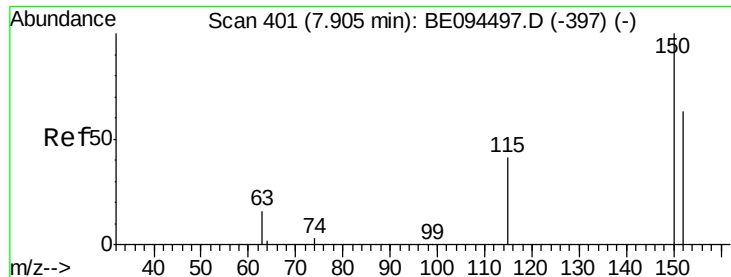
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.92 min Scan# 402

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

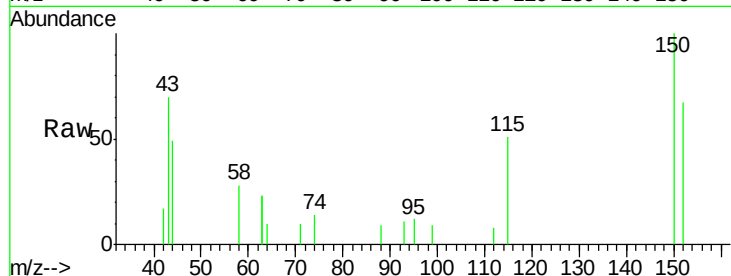
Tot Ion:152 Resp: 1037

Ion Ratio Lower Upper

152 100

150 149.5 117.2 175.8

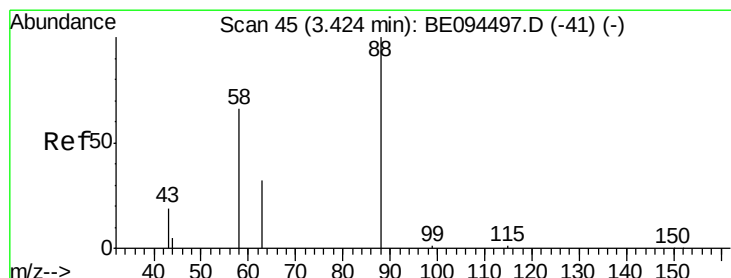
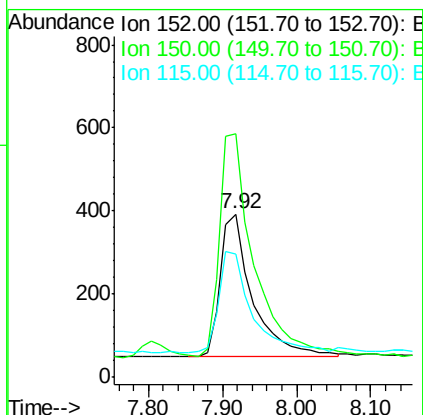
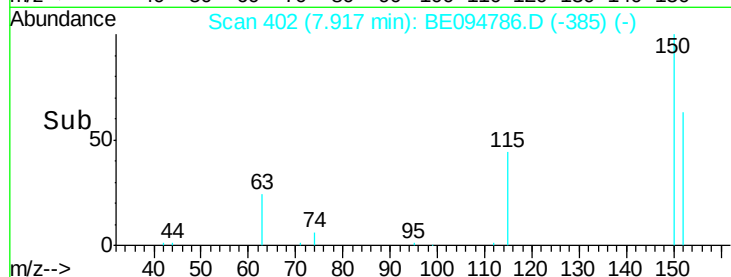
115 75.5 57.0 85.6



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: 0.23 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

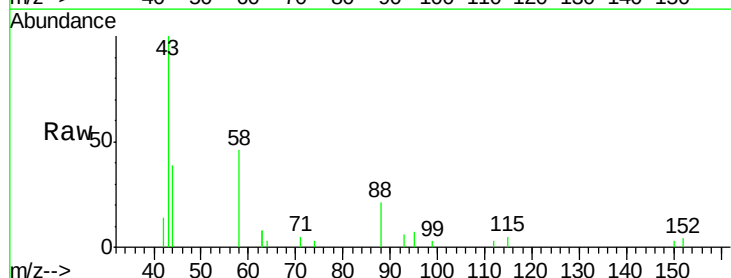
Tgt Ion: 88 Resp: 398

Ion Ratio Lower Upper

88 100

58 159.0 63.2 94.8#

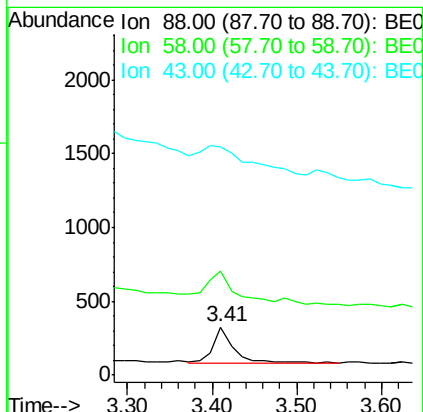
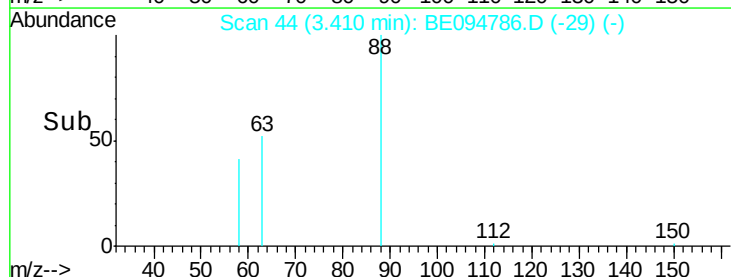
43 0.0 41.2 61.8#

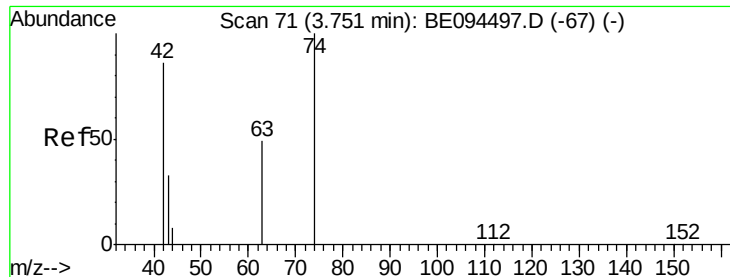


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.26 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

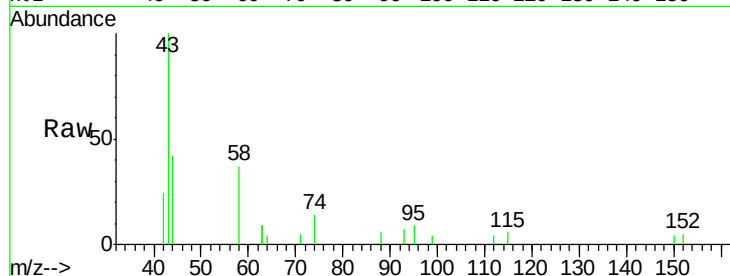
Tot Ion: 42 Resp: 441

Ion Ratio Lower Upper

42 100

74 136.5 100.3 150.5

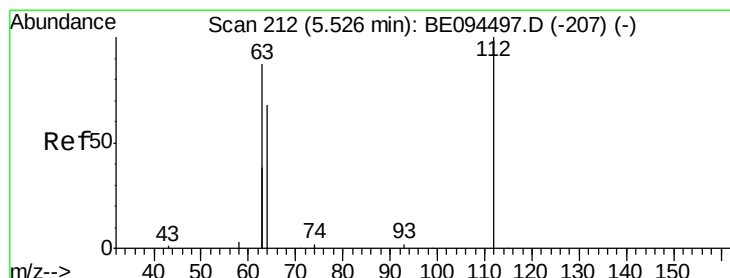
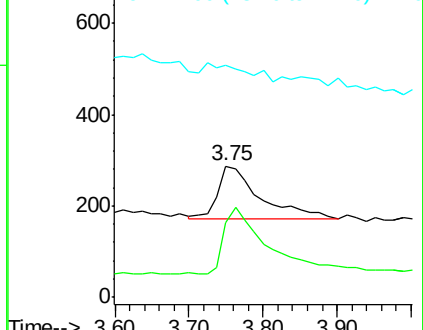
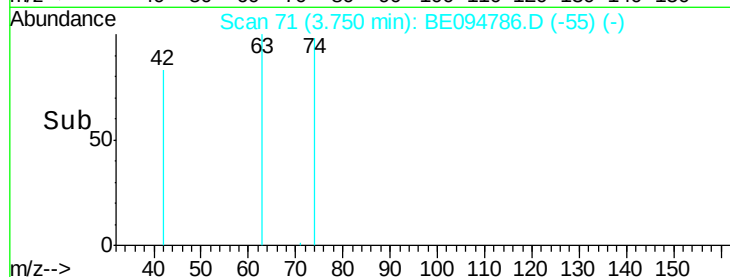
44 0.0 17.0 25.4#



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: 0.26 ng

RT: 5.56 min Scan# 215

Delta R.T. 0.04 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

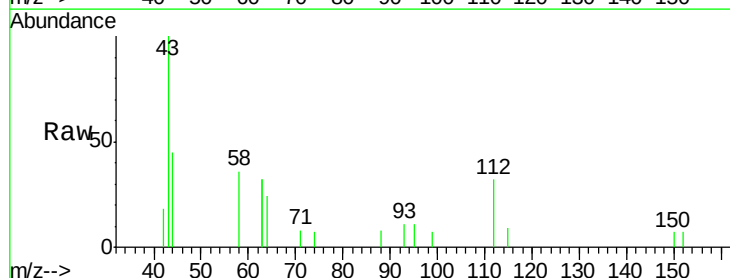
Tgt Ion: 112 Resp: 929

Ion Ratio Lower Upper

112 100

64 71.9 60.1 90.1

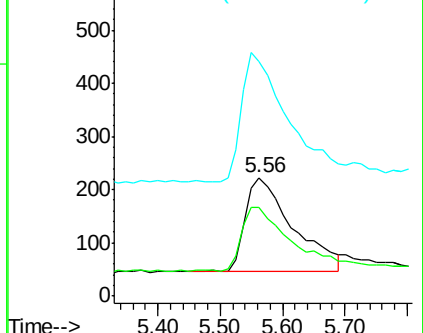
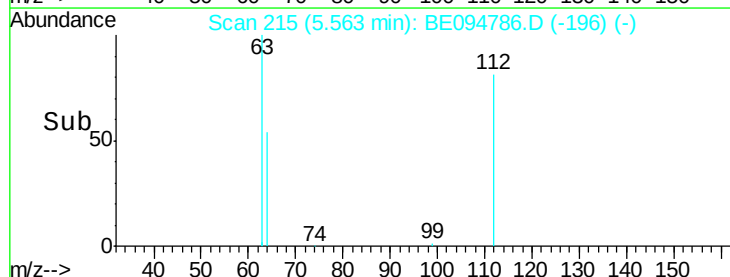
63 136.7 116.8 175.2

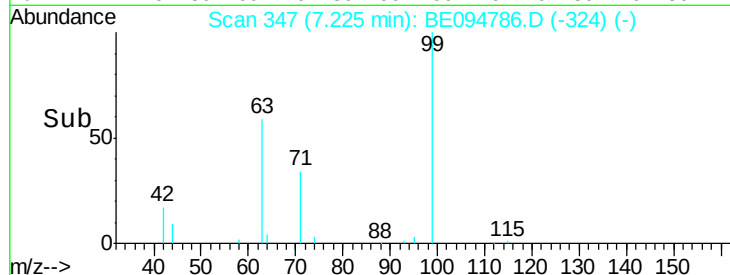
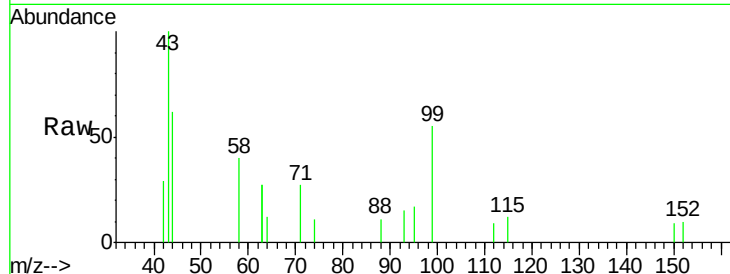
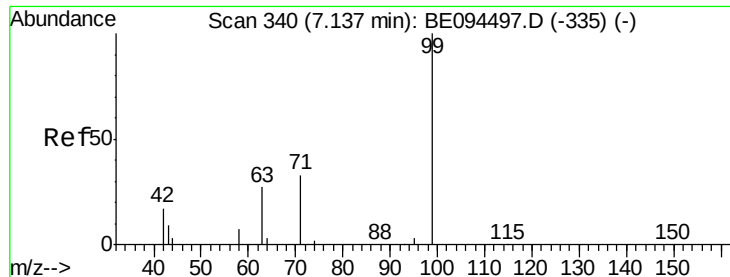


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

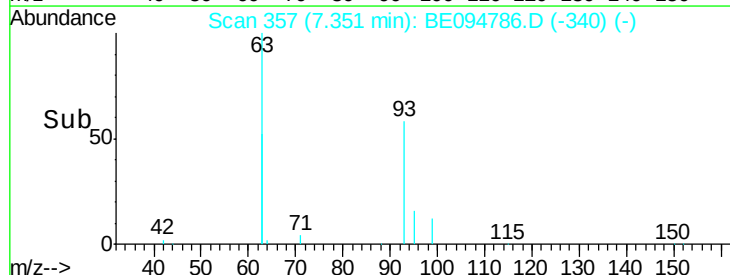
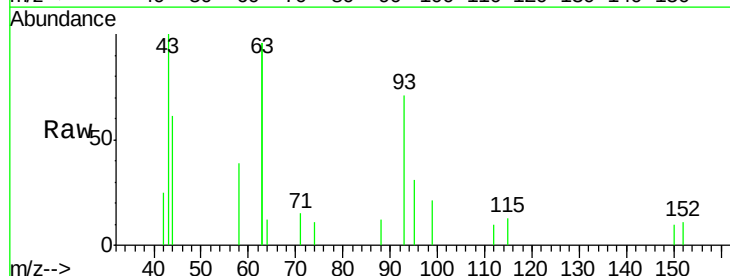
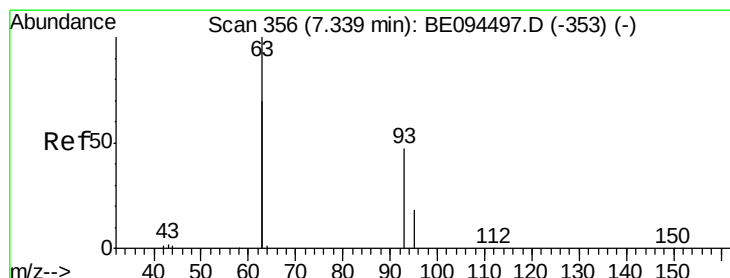
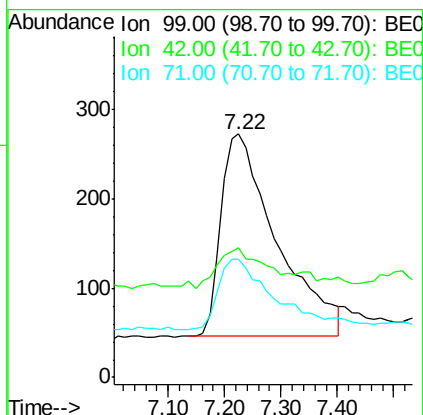




#5  
Phenol-d6  
Concen: 0.29 ng  
RT: 7.22 min Scan# 347  
Delta R.T. 0.09 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

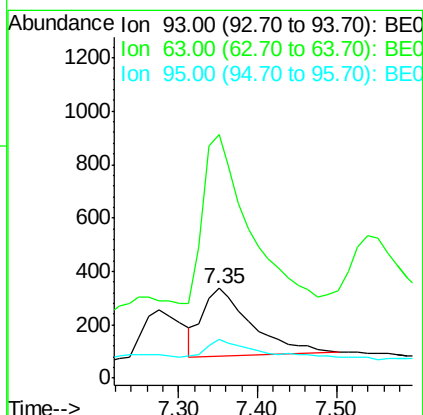
Instrument :  
BNA\_E  
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PB103996BS

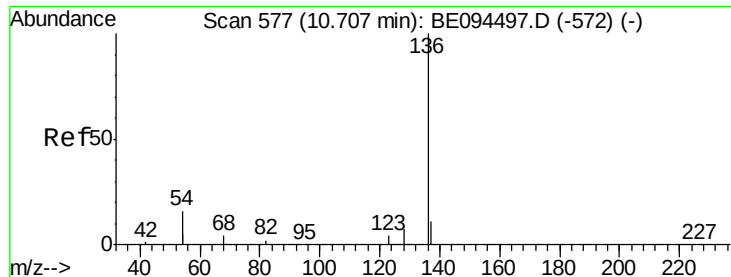
Tot Ion: 99 Resp: 1553  
Ion Ratio Lower Upper  
99 100  
42 15.5 20.2 30.2#  
71 34.1 28.4 42.6



#6  
bis(2-Chloroethyl)ether  
Concen: 0.26 ng  
RT: 7.35 min Scan# 357  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion: 93 Resp: 1090  
Ion Ratio Lower Upper  
93 100  
63 244.1 275.3 412.9#  
95 26.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

Tot Ion:136 Resp: 6474

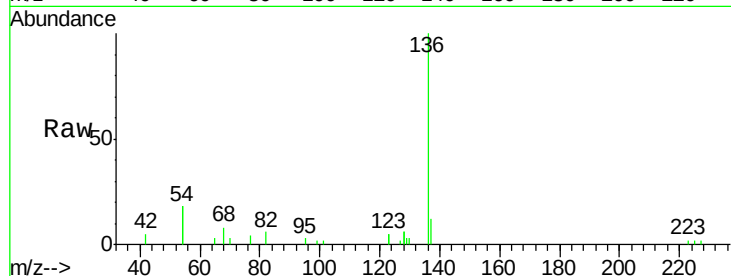
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 35.1 29.1 43.7

68 7.7 6.2 9.2

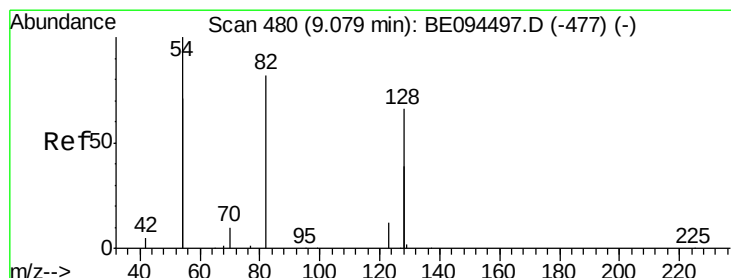
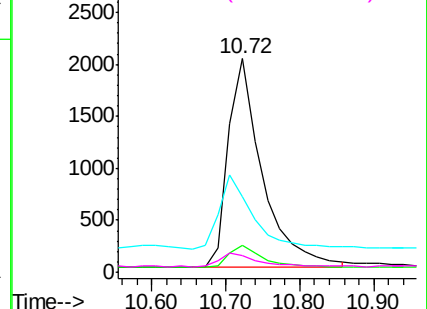
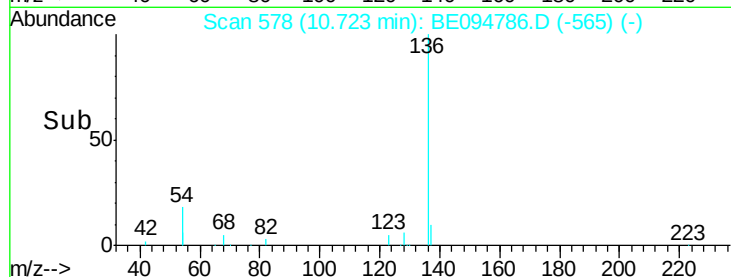


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.26 ng

RT: 9.13 min Scan# 483

Delta R.T. 0.05 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

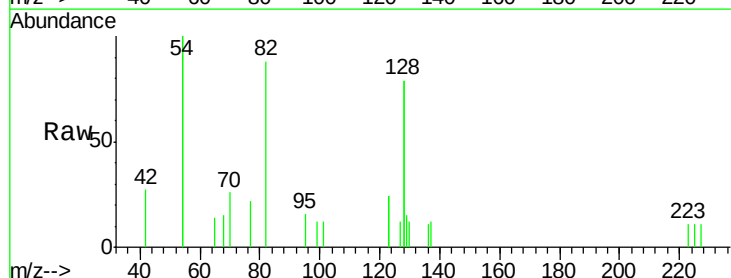
Tgt Ion: 82 Resp: 1342

Ion Ratio Lower Upper

82 100

128 180.4 150.0 225.0

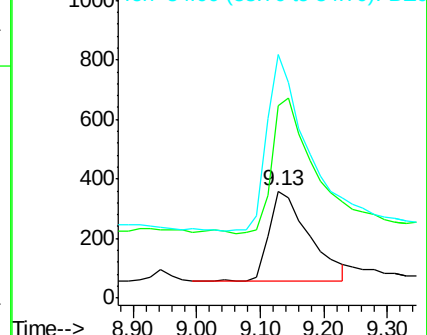
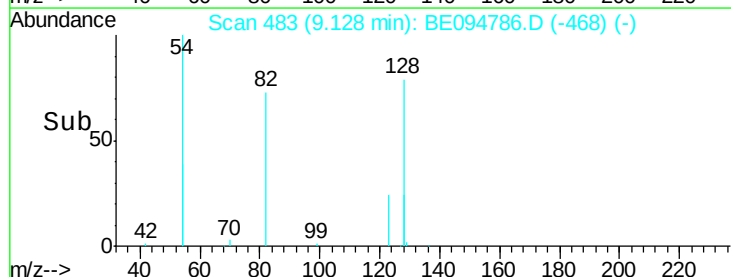
54 228.5 154.2 231.4

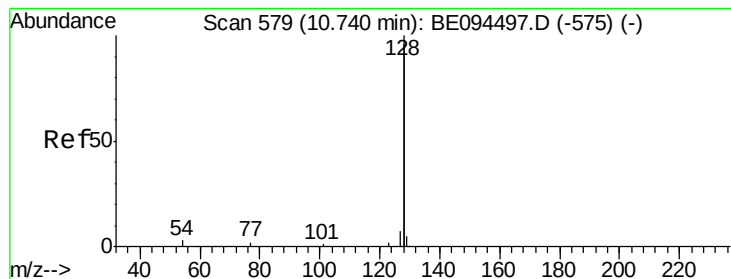


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.25 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

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ClientSampleId :

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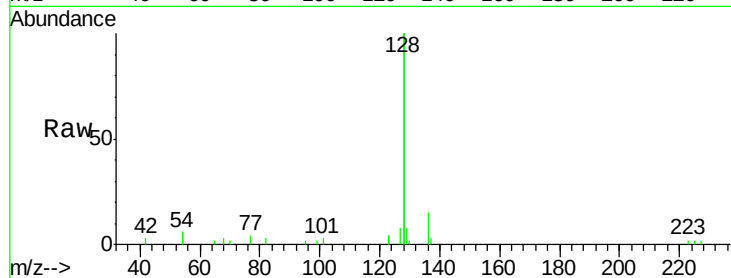
Tot Ion:128 Resp: 18032

Ion Ratio Lower Upper

128 100

129 3.8 2.6 3.8

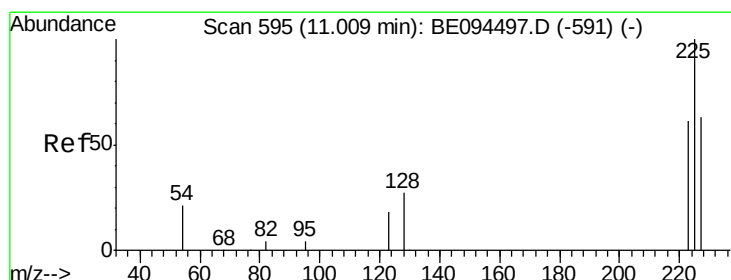
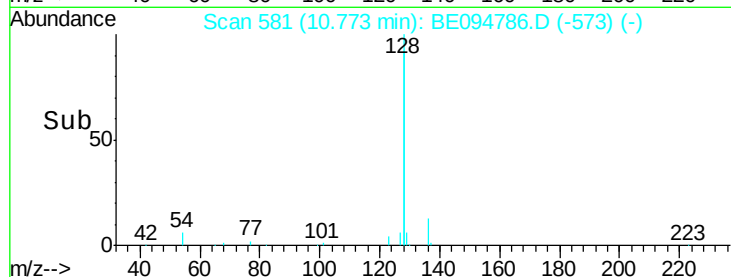
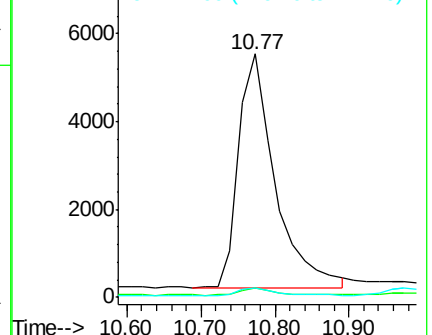
127 4.0 2.8 4.2



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: 0.27 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

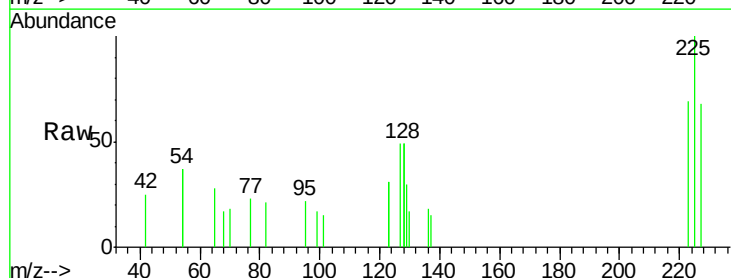
Tgt Ion:225 Resp: 708

Ion Ratio Lower Upper

225 100

223 62.0 53.0 79.6

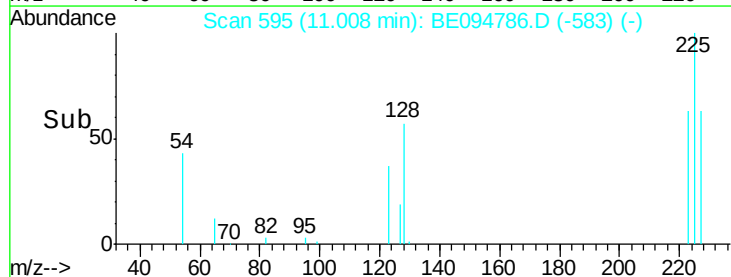
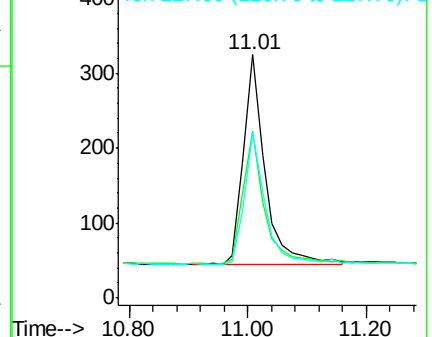
227 61.3 51.4 77.2

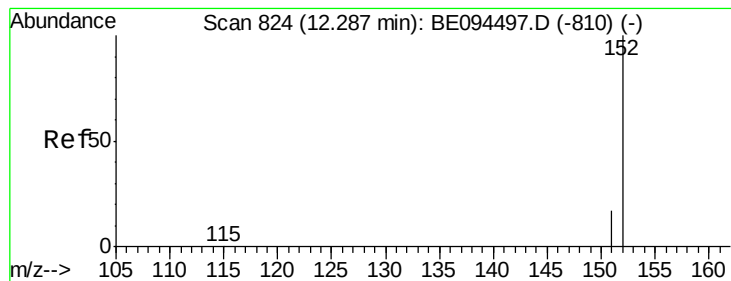


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.31 min Scan# 829

Delta R.T. 0.02 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

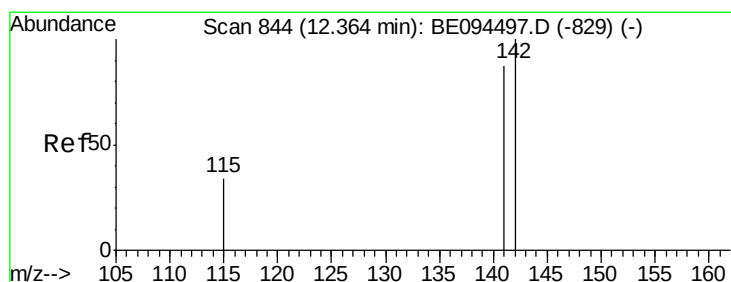
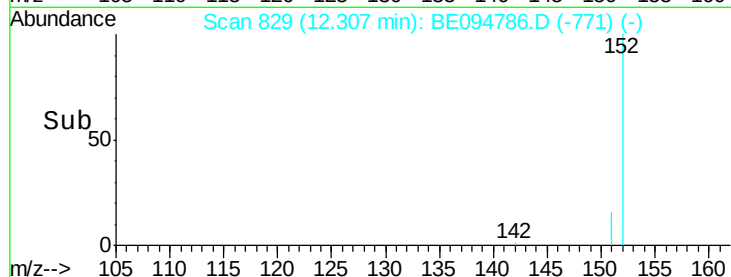
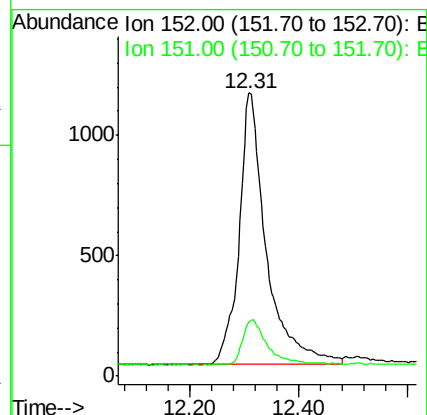
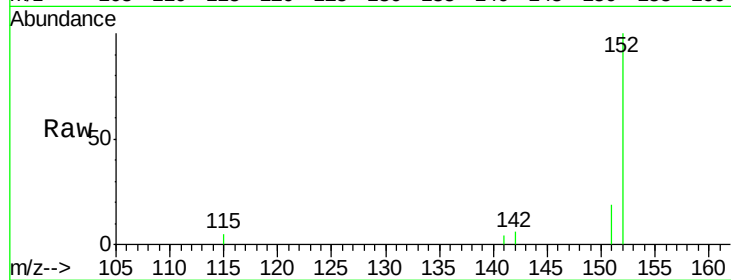
PB103996BS

Tot Ion:152 Resp: 3924

Ion Ratio Lower Upper

152 100

151 14.9 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 0.26 ng

RT: 12.38 min Scan# 849

Delta R.T. 0.02 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

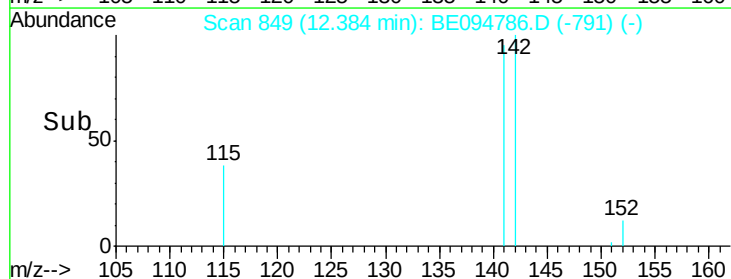
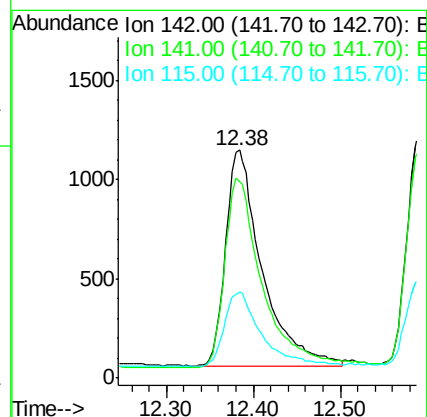
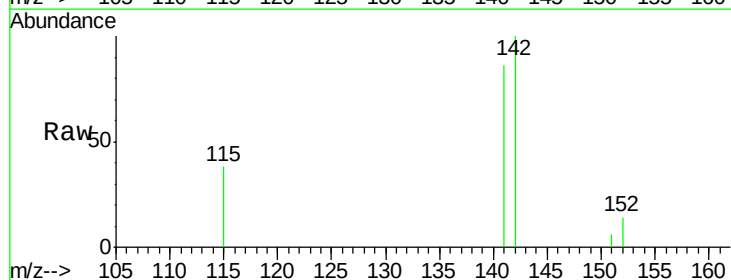
Tgt Ion:142 Resp: 3182

Ion Ratio Lower Upper

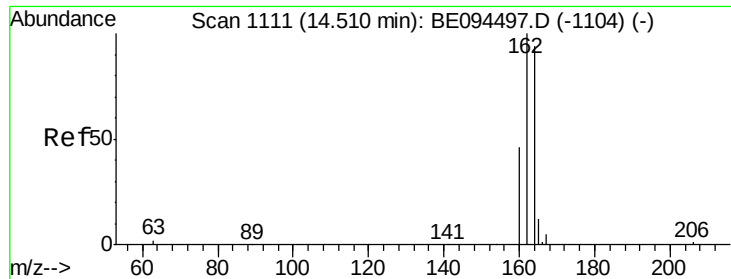
142 100

141 86.3 70.4 105.6

115 37.6 31.7 47.5



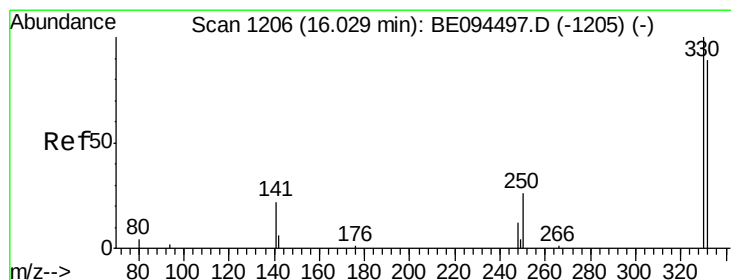
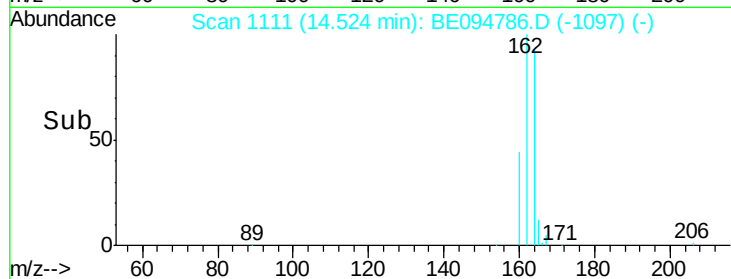
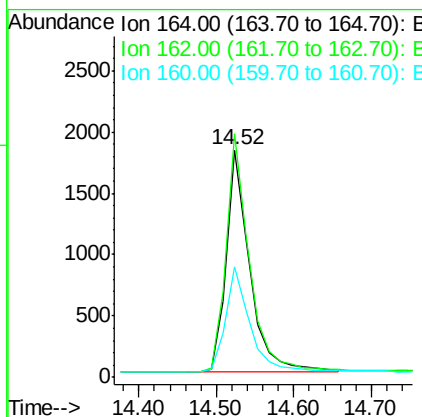
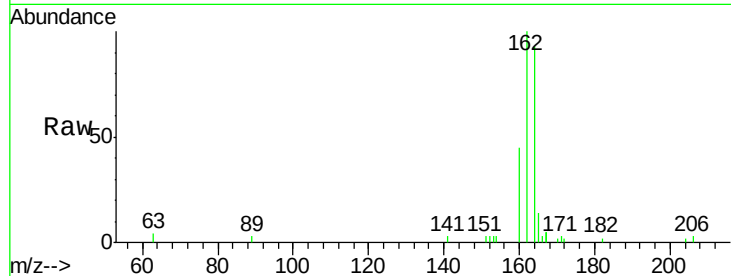




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.52 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

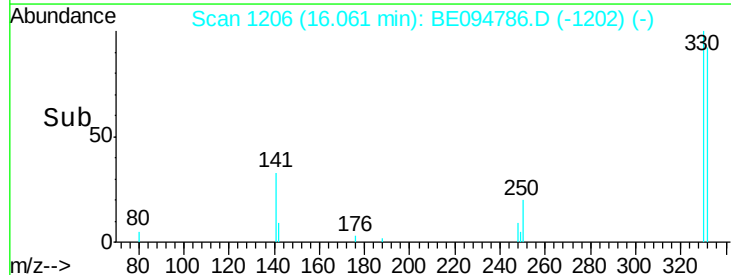
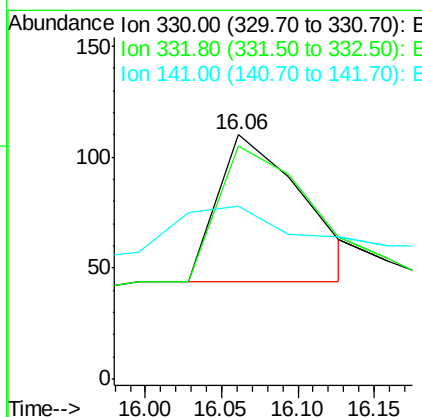
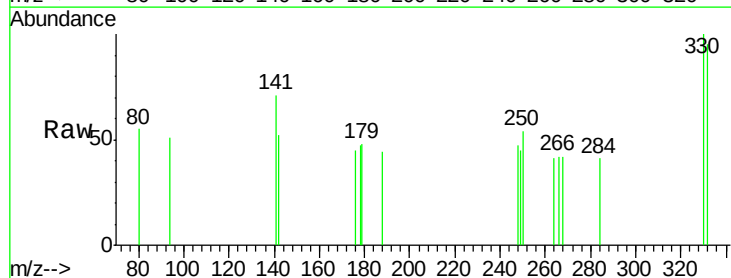
Instrument :  
BNA\_E  
ClientSampleId :  
PB103996BS

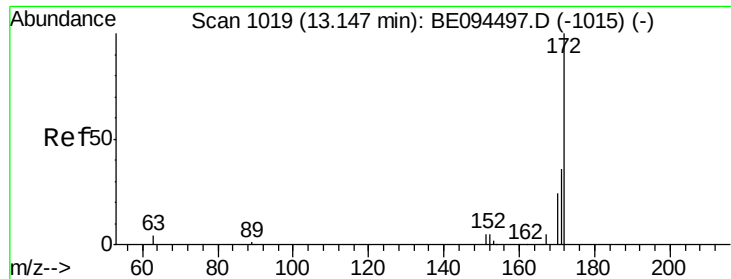
Tot Ion:164 Resp: 3751  
Ion Ratio Lower Upper  
164 100  
162 107.2 83.1 124.7  
160 48.6 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.25 ng  
RT: 16.06 min Scan# 1206  
Delta R.T. 0.03 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion:330 Resp: 258  
Ion Ratio Lower Upper  
330 100  
332 97.7 152.7 229.1#  
141 41.1 33.7 50.5

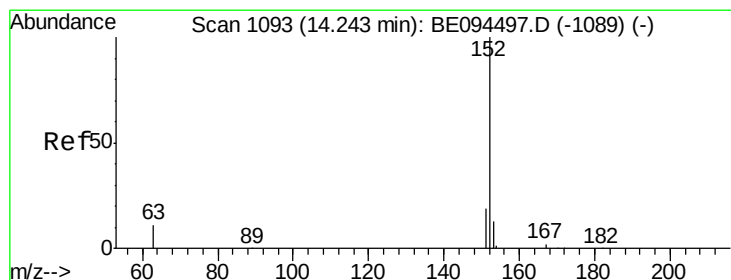
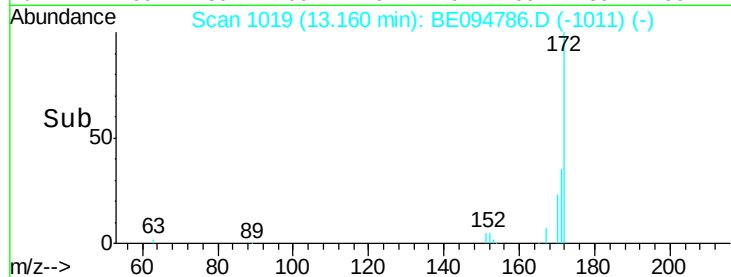
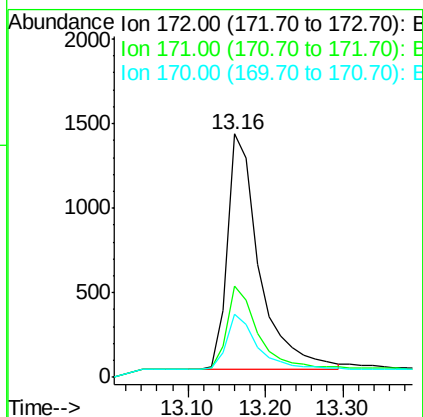
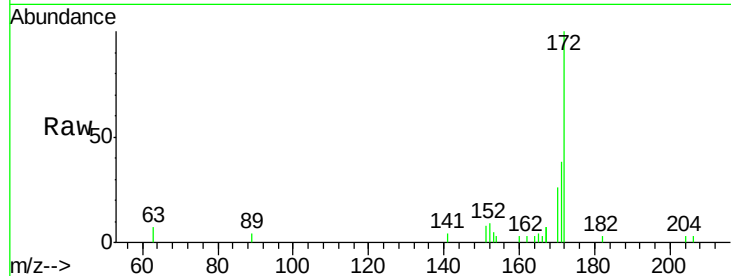




#15  
2-Fluorobiphenyl  
Concen: 0.30 ng  
RT: 13.16 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

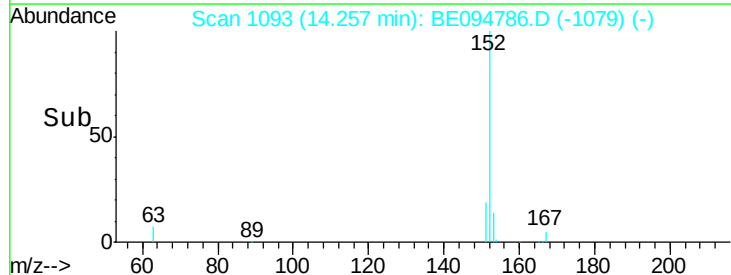
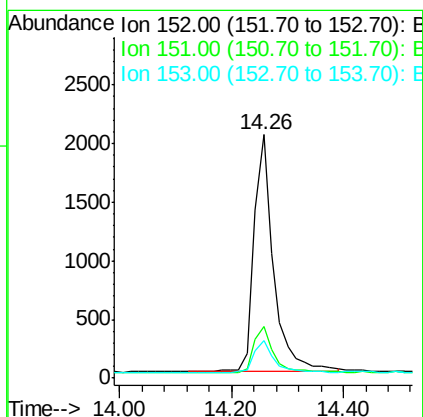
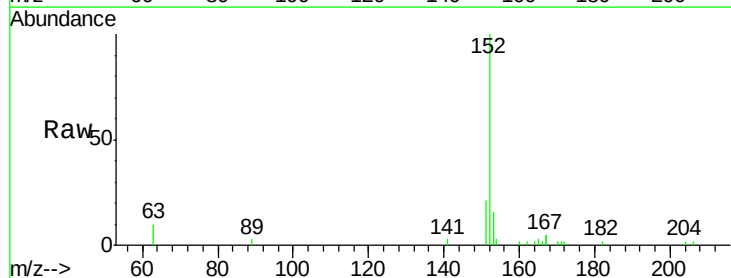
Instrument :  
BNA\_E  
ClientSampleId :  
PB103996BS

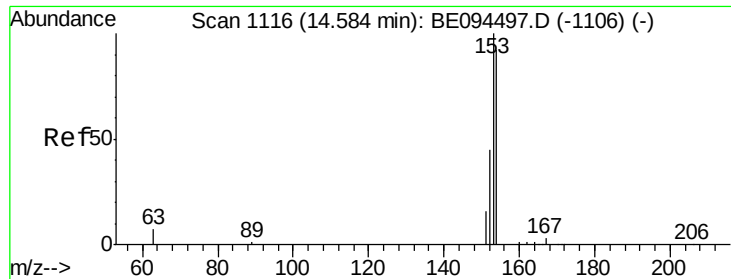
Tot Ion:172 Resp: 4015  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.9 44.9  
170 25.8 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.25 ng  
RT: 14.26 min Scan# 1093  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion:152 Resp: 4981  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.5 10.5 15.7

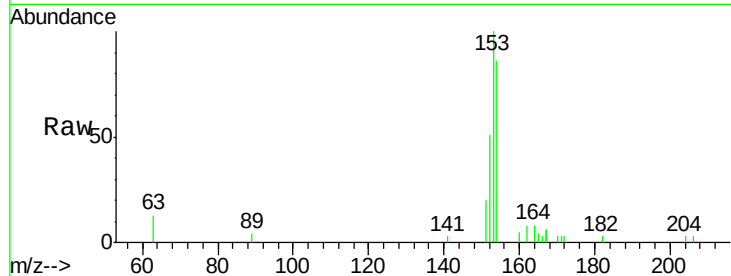




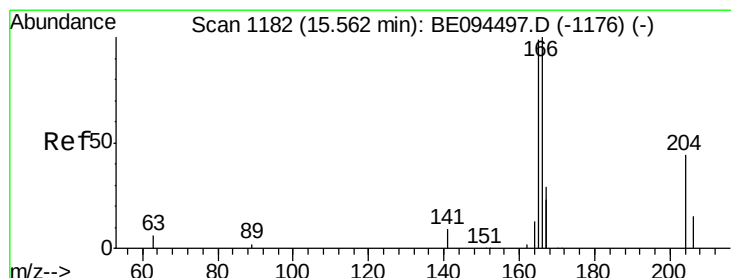
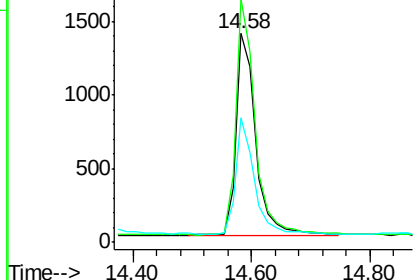
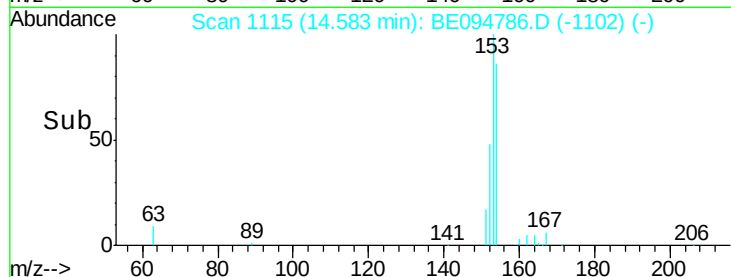
#17  
Acenaphthene  
Concen: 0.25 ng  
RT: 14.58 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Instrument :  
BNA\_E  
ClientSampleId :  
PB103996BS

Tot Ion:154 Resp: 3204  
Ion Ratio Lower Upper  
154 100  
153 113.4 89.2 133.8  
152 53.7 42.0 63.0

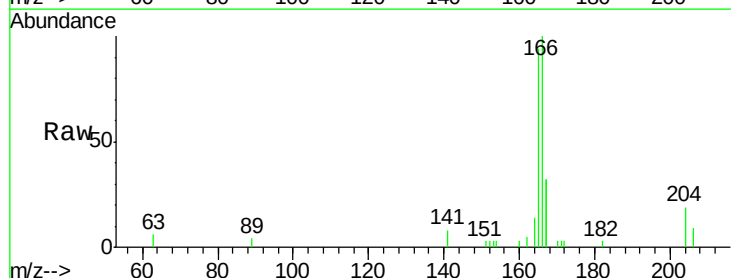


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

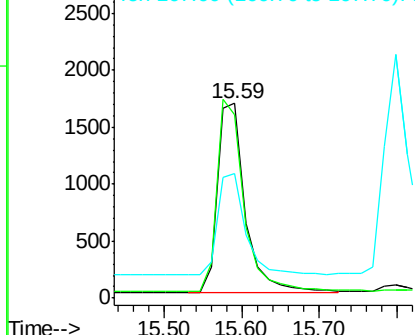
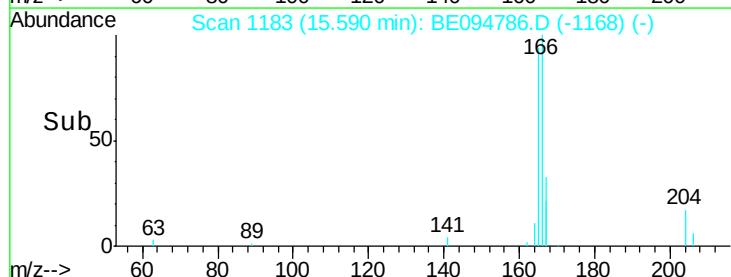


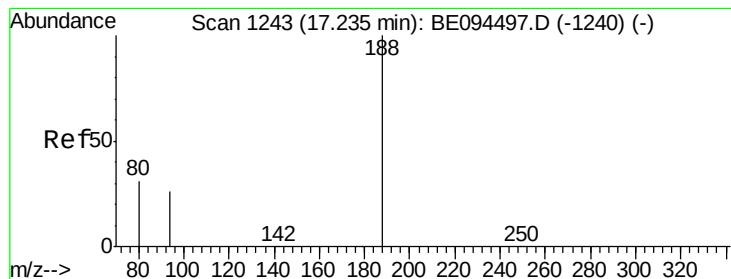
#18  
Fluorene  
Concen: 0.25 ng  
RT: 15.59 min Scan# 1183  
Delta R.T. 0.03 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion:166 Resp: 4124  
Ion Ratio Lower Upper  
166 100  
165 99.0 77.8 116.6  
167 53.7 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: 0.40 ng

RT: 17.27 min Scan# 1243

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

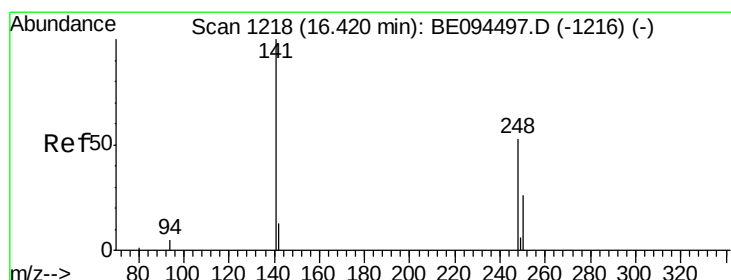
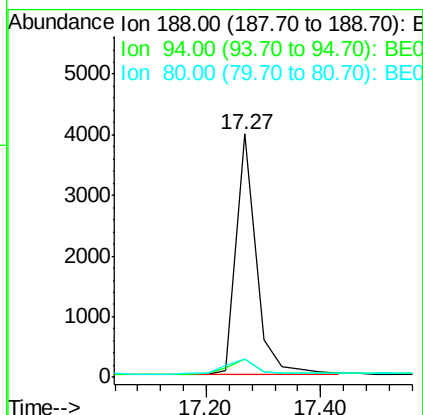
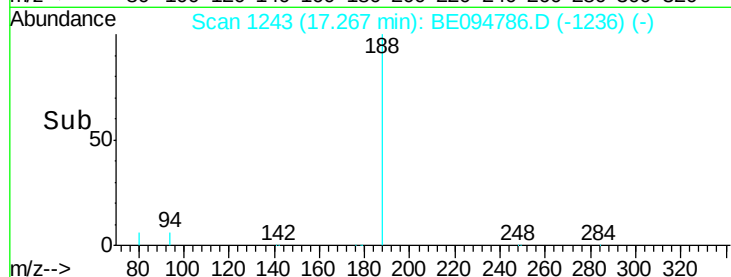
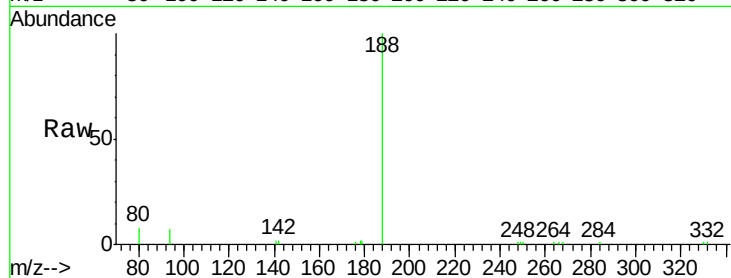
Tot Ion:188 Resp: 9542

Ion Ratio Lower Upper

188 100

94 7.5 3.9 5.9#

80 7.7 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.21 ng

RT: 16.45 min Scan# 1218

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

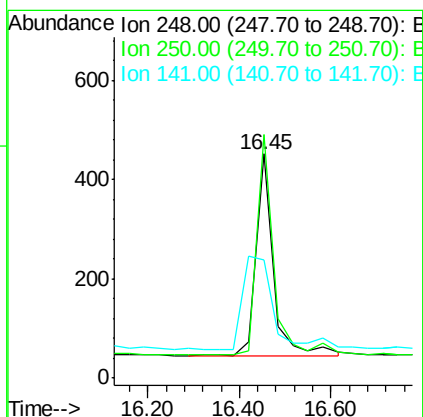
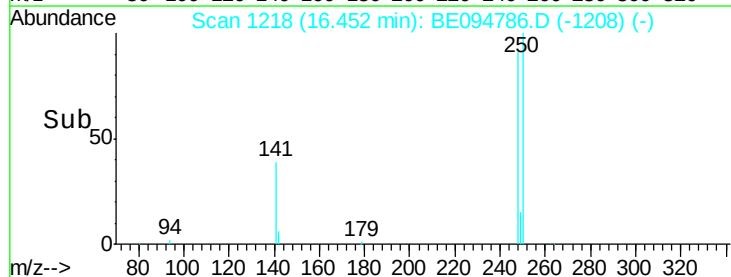
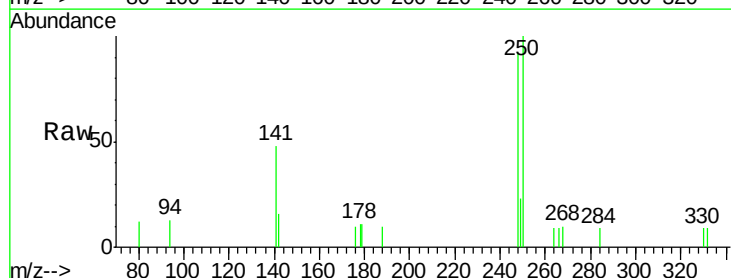
Tgt Ion:248 Resp: 1074

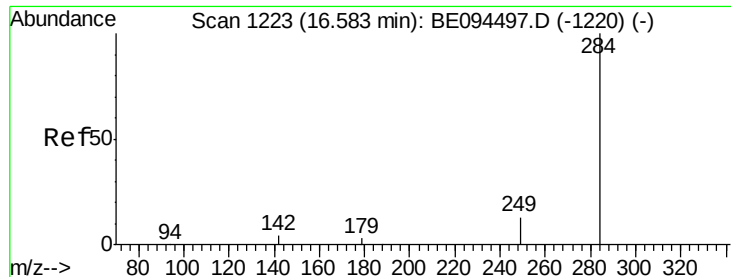
Ion Ratio Lower Upper

248 100

250 108.6 62.7 94.1#

141 52.4 48.2 72.2

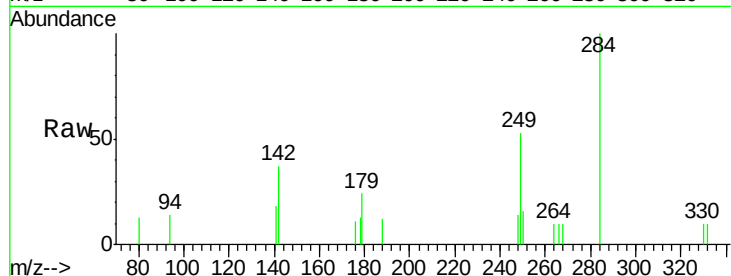




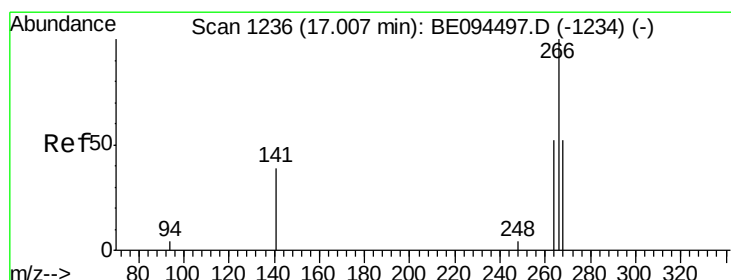
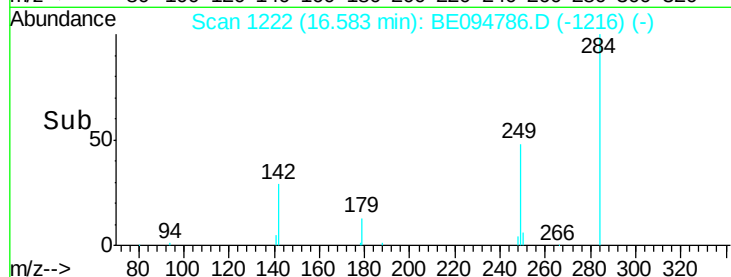
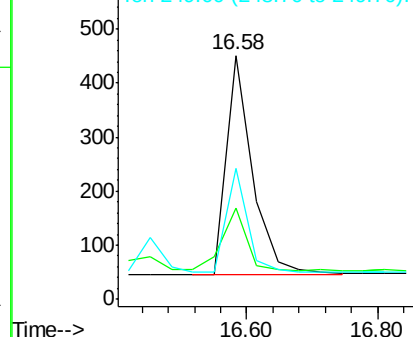
#21  
Hexachlorobenzene  
Concen: 0.25 ng  
RT: 16.58 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Instrument :  
BNA\_E  
ClientSampleId :  
PB103996BS

Tot Ion:284 Resp: 1126  
Ion Ratio Lower Upper  
284 100  
142 28.0 22.1 33.1  
249 37.8 34.8 52.2

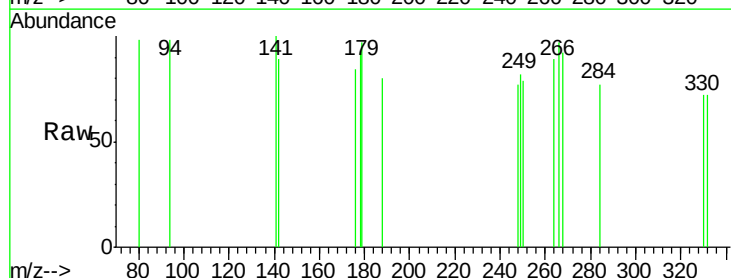


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

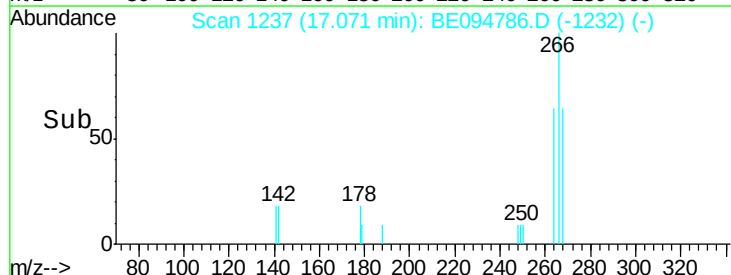
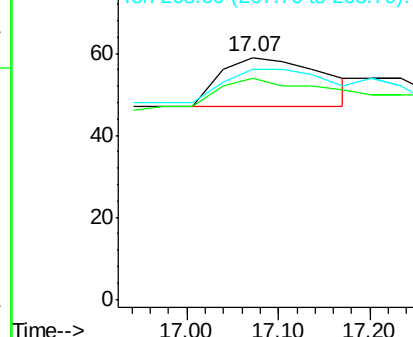


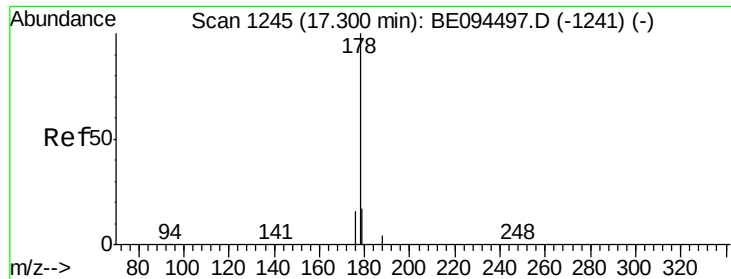
#22  
Pentachlorophenol  
Concen: 0.16 ng  
RT: 17.07 min Scan# 1237  
Delta R.T. 0.06 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion:266 Resp: 94  
Ion Ratio Lower Upper  
266 100  
264 91.5 72.5 108.7  
268 94.9 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: 0.27 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

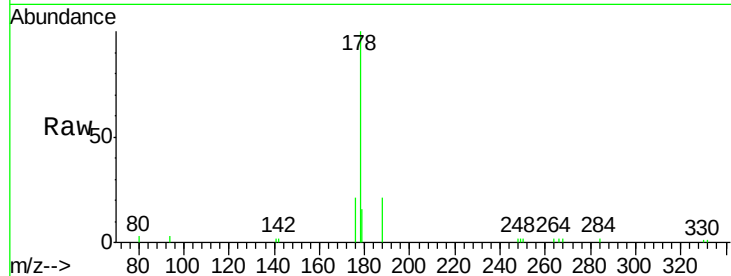
Tot Ion:178 Resp: 7262

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

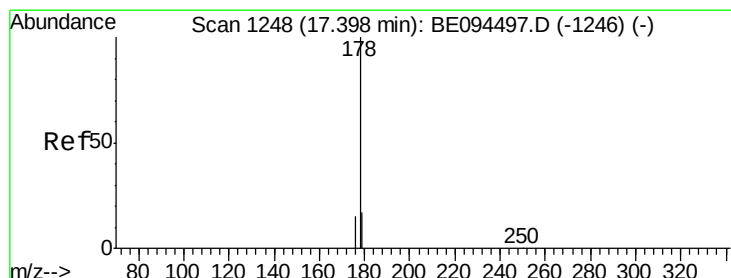
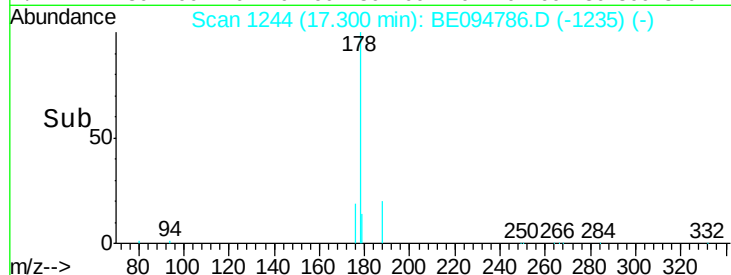
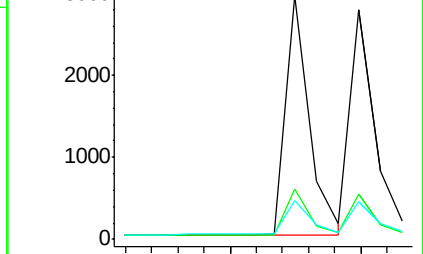
179 15.1 11.8 17.6



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: 0.26 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

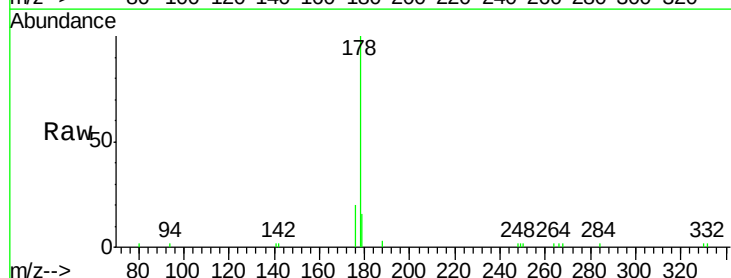
Tgt Ion:178 Resp: 7322

Ion Ratio Lower Upper

178 100

176 17.8 12.8 19.2

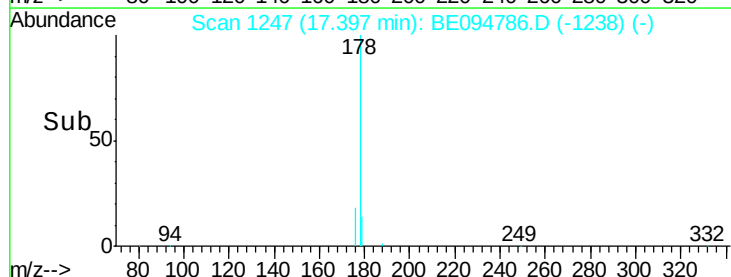
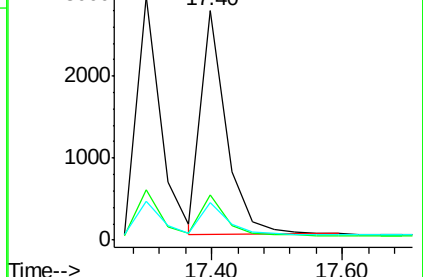
179 15.4 13.0 19.6

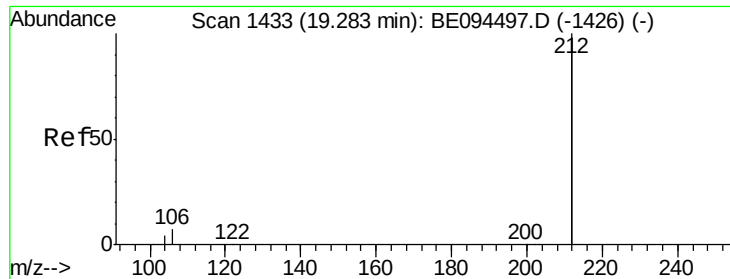


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

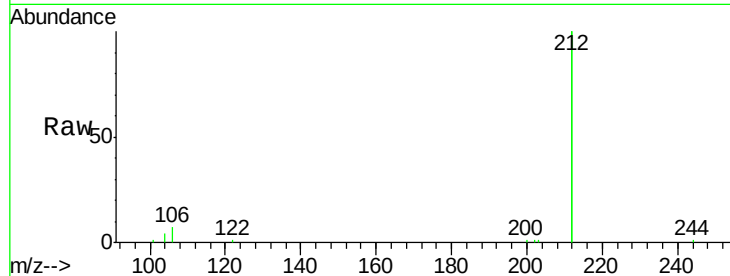




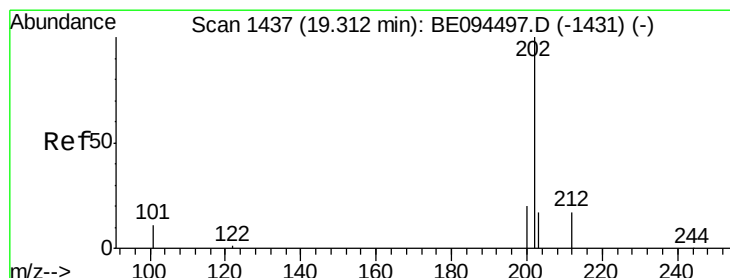
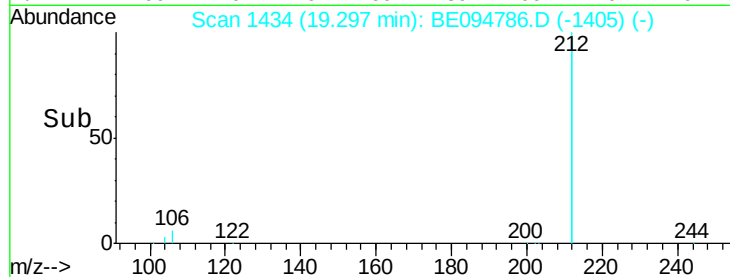
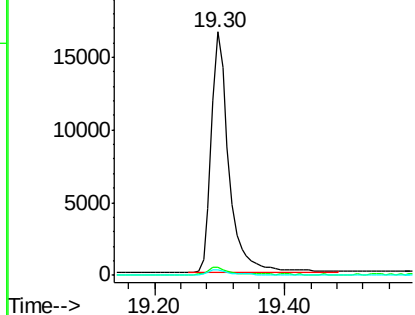
#25  
Fluoranthene-d10  
Concen: 0.23 ng  
RT: 19.30 min Scan# 1434  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Instrument :  
BNA\_E  
ClientSampleId :  
PB103996BS

Tot Ion:212 Resp: 31093  
Ion Ratio Lower Upper  
212 100  
106 3.2 2.8 4.2  
104 1.8 1.6 2.4

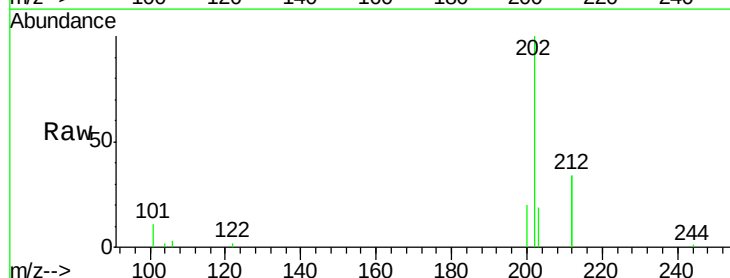


Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E

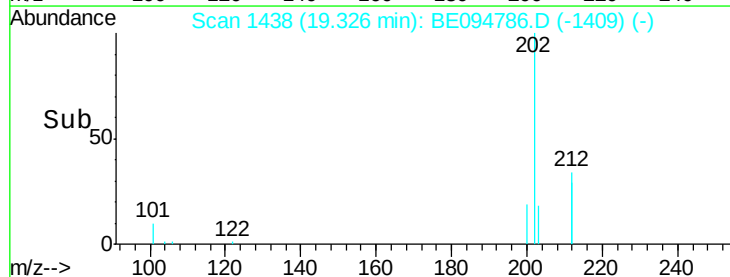
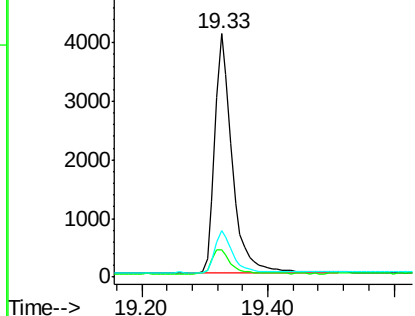


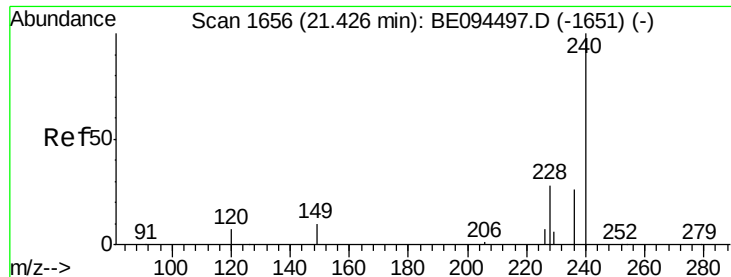
#26  
Fluoranthene  
Concen: 0.18 ng  
RT: 19.33 min Scan# 1438  
Delta R.T. 0.01 min  
Lab File: BE094786.D  
Acq: 8 Nov 2017 17:09

Tgt Ion:202 Resp: 7917  
Ion Ratio Lower Upper  
202 100  
101 10.9 9.8 14.8  
203 17.1 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: 0.40 ng

RT: 21.44 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

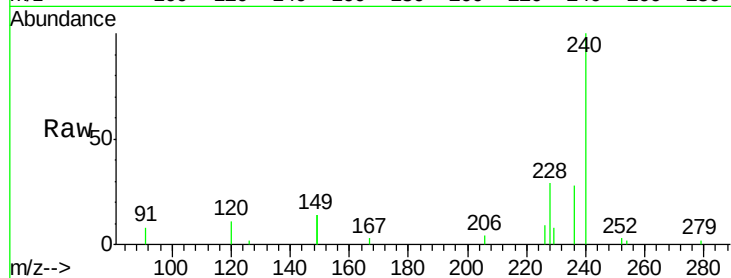
Tot Ion:240 Resp: 8937

Ion Ratio Lower Upper

240 100

120 11.4 5.5 8.3#

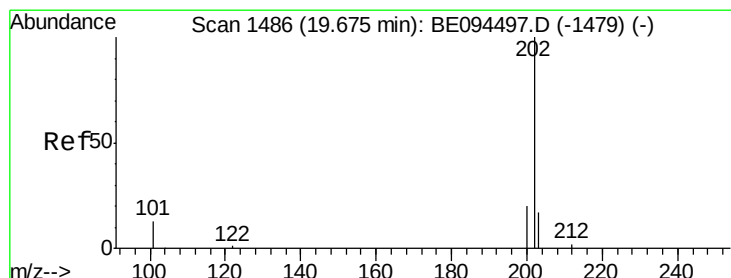
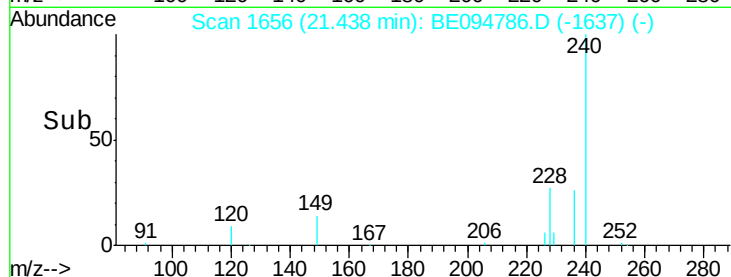
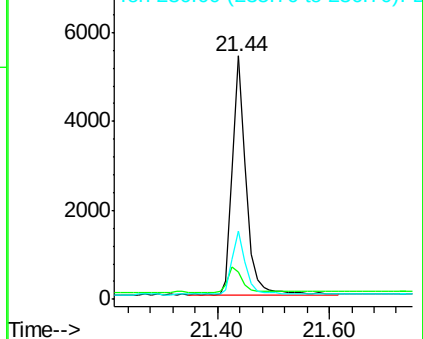
236 27.9 20.7 31.1



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: 0.26 ng

RT: 19.69 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

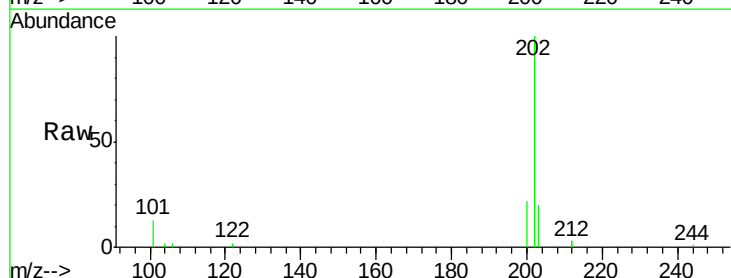
Tgt Ion:202 Resp: 8051

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

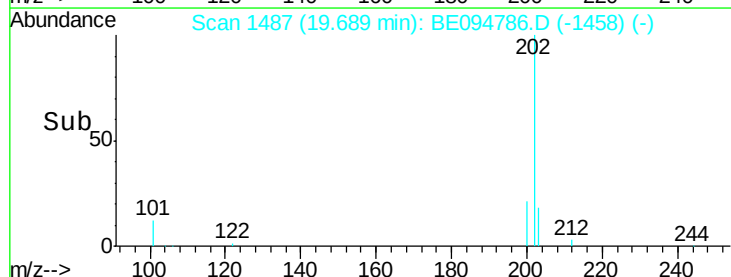
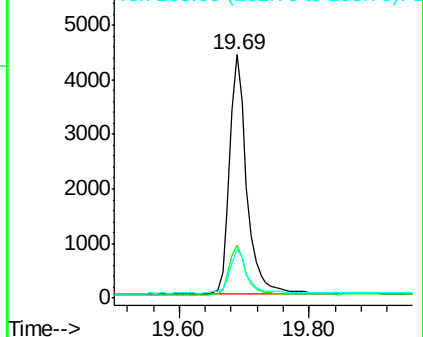
203 18.7 13.8 20.8



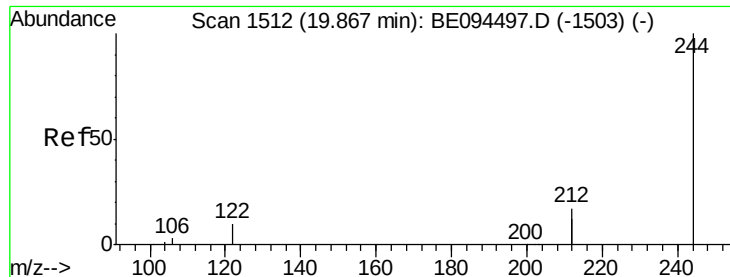
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.31 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

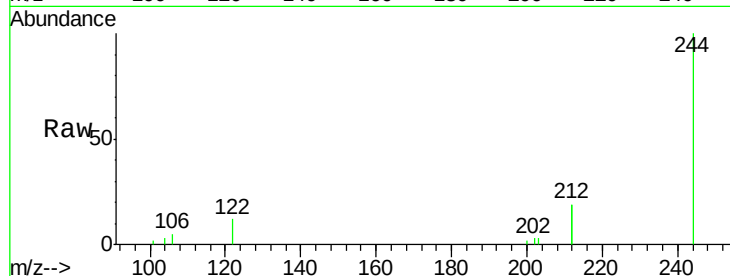
Tot Ion:244 Resp: 5277

Ion Ratio Lower Upper

244 100

212 37.8 25.4 38.0

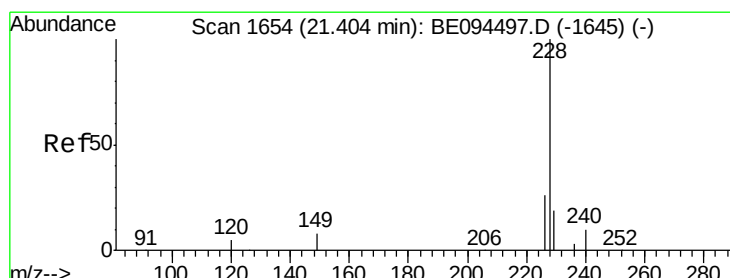
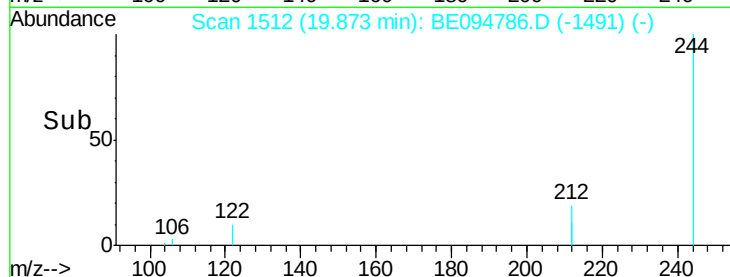
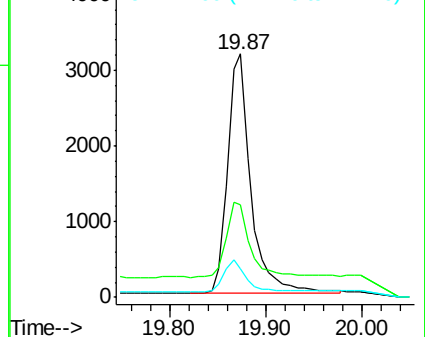
122 11.9 8.1 12.1



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: 0.26 ng

RT: 21.42 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

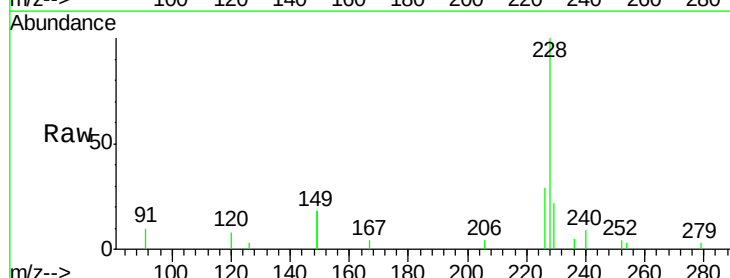
Tgt Ion:228 Resp: 7672

Ion Ratio Lower Upper

228 100

226 28.8 40.0 60.0#

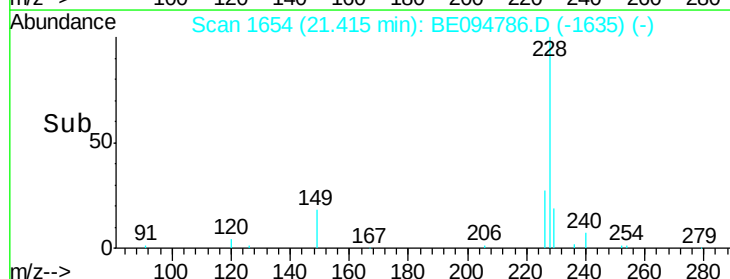
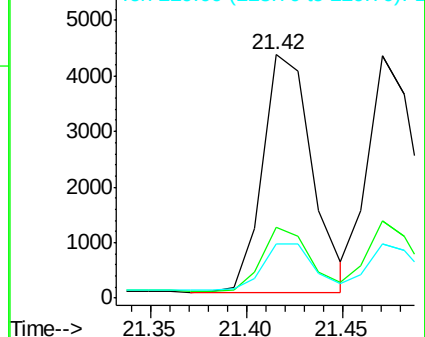
229 22.2 40.0 60.0#

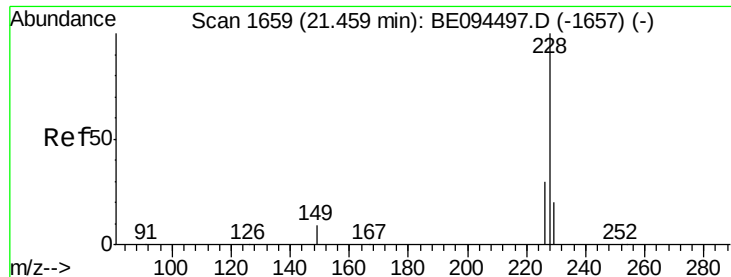


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.26 ng

RT: 21.47 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

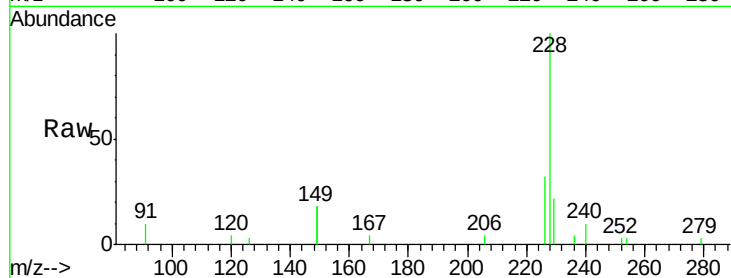
Tot Ion:228 Resp: 7739

Ion Ratio Lower Upper

228 100

226 31.9 40.0 60.0#

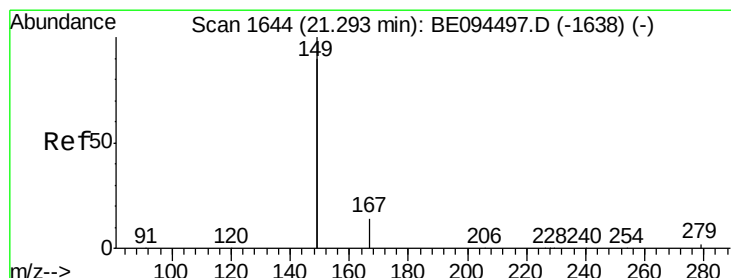
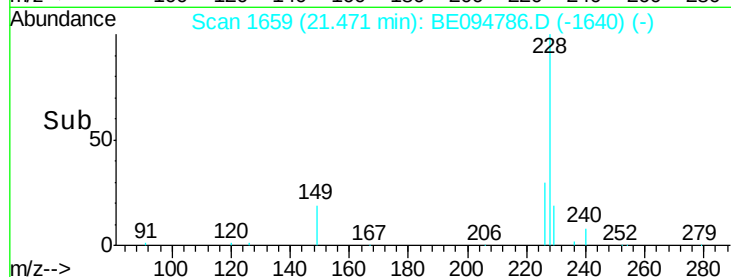
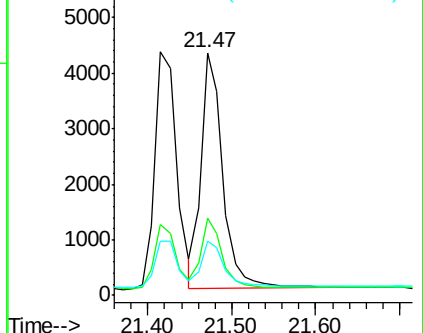
229 22.3 40.0 60.0#



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: 0.28 ng

RT: 21.28 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

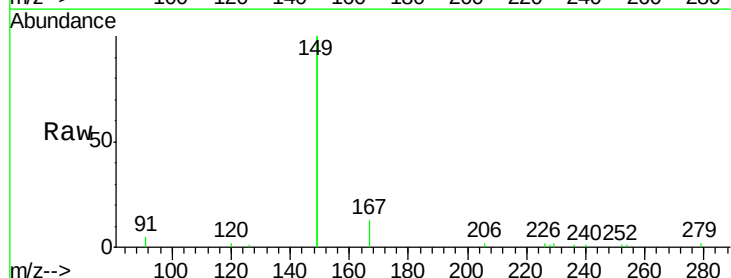
Tgt Ion:149 Resp: 19647

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

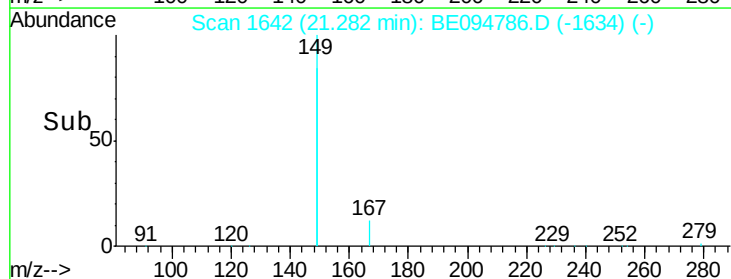
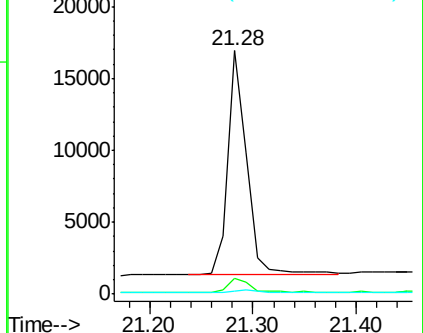
279 1.0 0.7 1.1

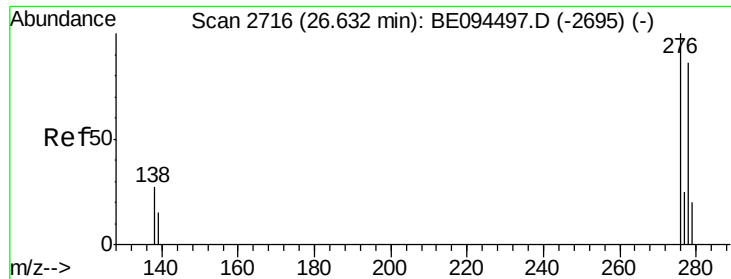


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

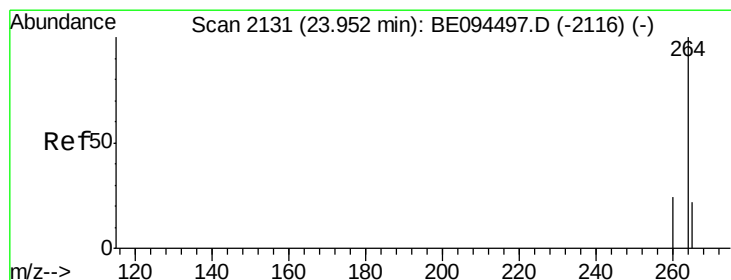
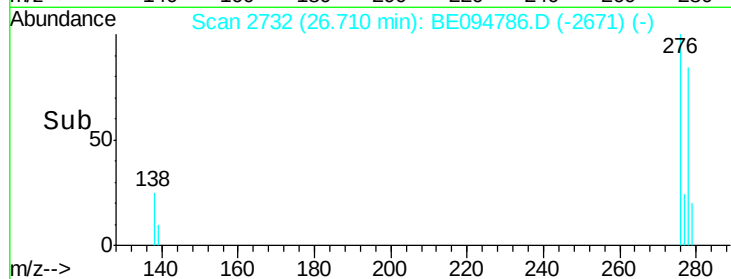
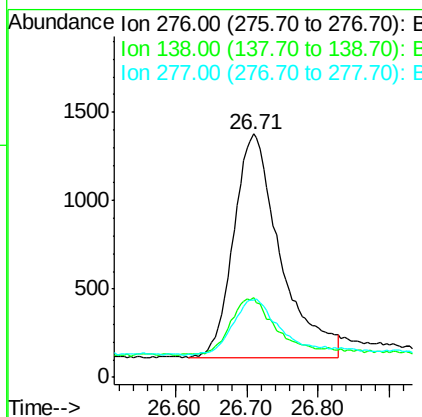
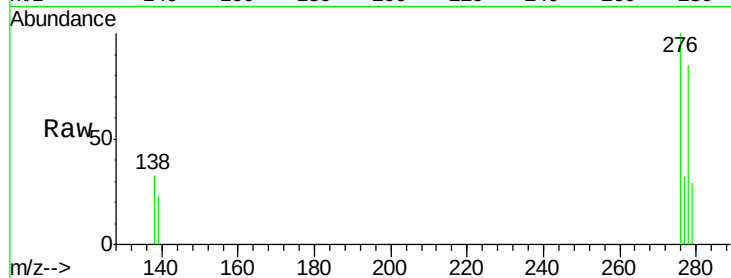




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.21 ng  
 RT: 26.71 min Scan# 2732  
 Delta R.T. 0.08 min  
 Lab File: BE094786.D  
 Acq: 8 Nov 2017 17:09

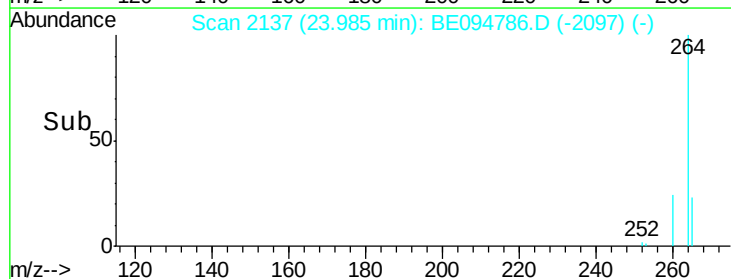
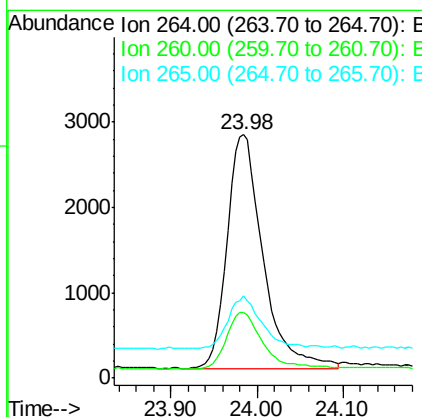
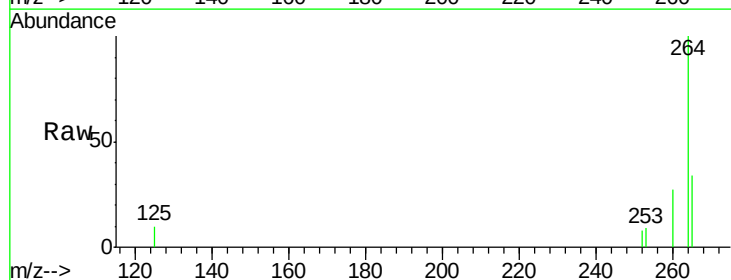
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103996BS

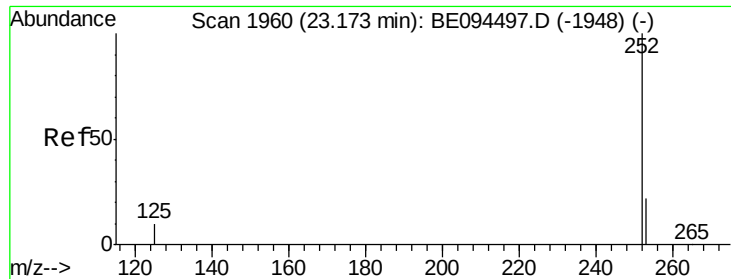
Tot Ion:276 Resp: 5727  
 Ion Ratio Lower Upper  
 276 100  
 138 24.4 22.5 33.7  
 277 25.7 19.9 29.9



#34  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.98 min Scan# 2137  
 Delta R.T. 0.03 min  
 Lab File: BE094786.D  
 Acq: 8 Nov 2017 17:09

Tgt Ion:264 Resp: 7941  
 Ion Ratio Lower Upper  
 264 100  
 260 26.9 20.5 30.7  
 265 33.6 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.27 ng

RT: 23.20 min Scan# 1965

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

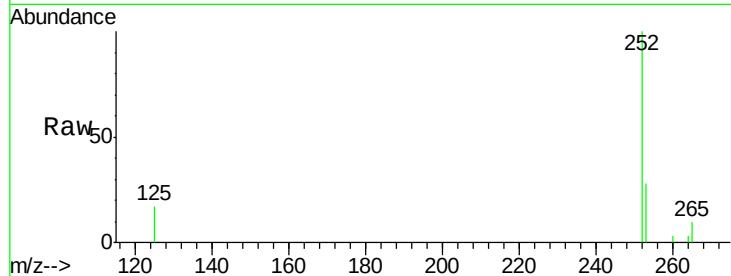
Tot Ion:252 Resp: 6916

Ion Ratio Lower Upper

252 100

253 27.7 48.0 72.0#

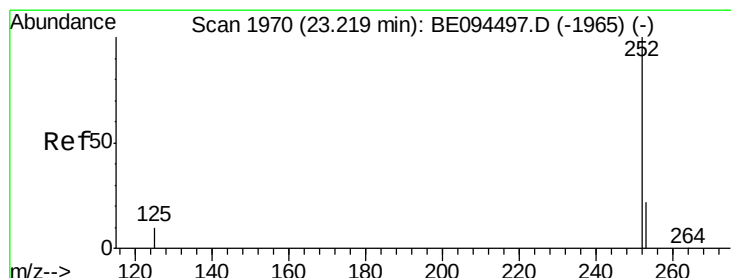
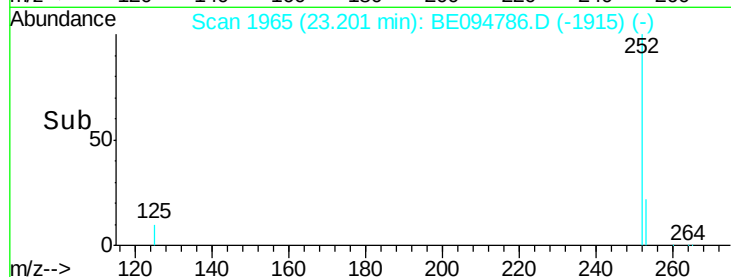
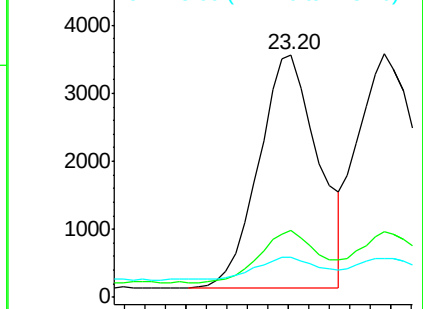
125 16.7 56.0 84.0#



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: 0.28 ng

RT: 23.25 min Scan# 1975

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

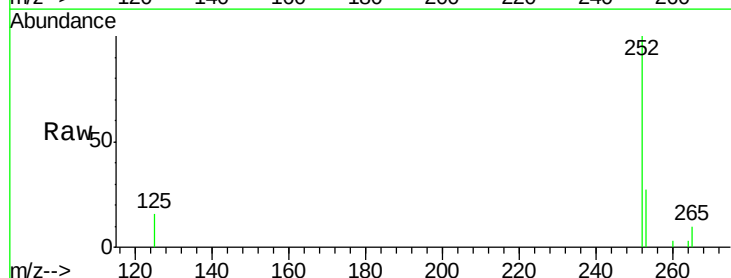
Tgt Ion:252 Resp: 7661

Ion Ratio Lower Upper

252 100

253 27.1 48.0 72.0#

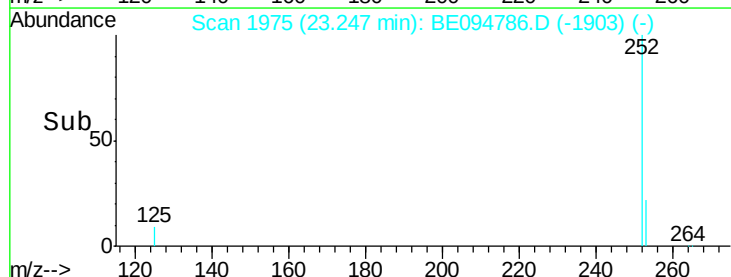
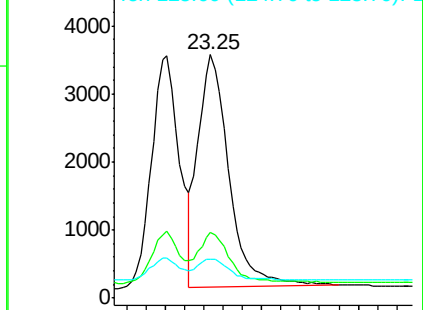
125 16.0 56.0 84.0#

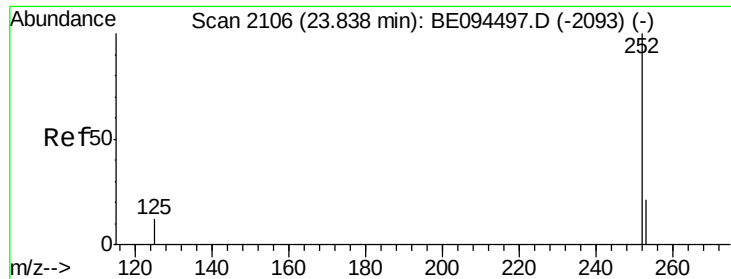


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.28 ng

RT: 23.87 min Scan# 2112

Delta R.T. 0.03 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

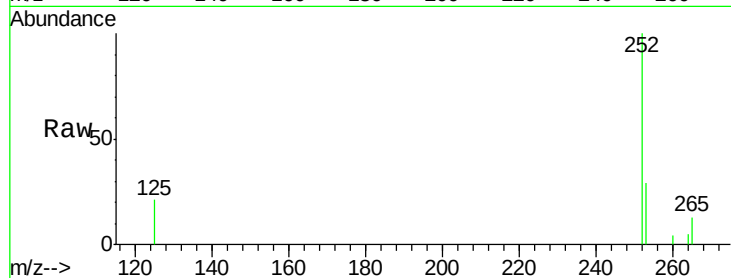
Tot Ion:252 Resp: 6963

Ion Ratio Lower Upper

252 100

253 28.7 52.0 78.0#

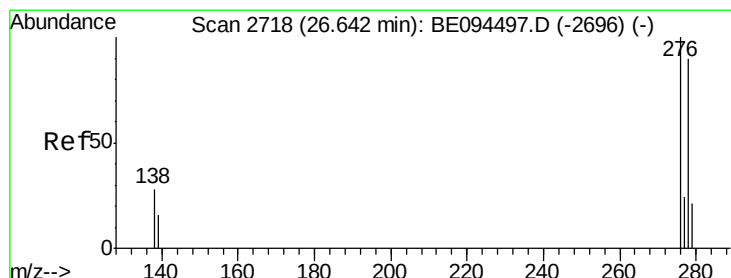
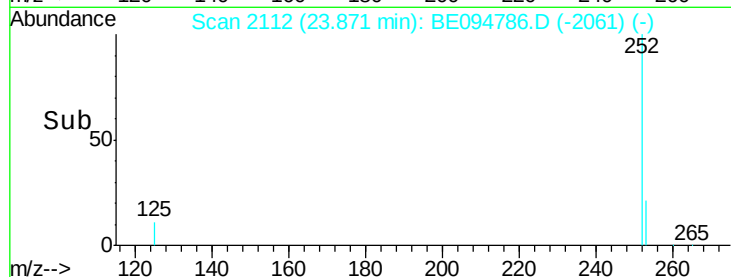
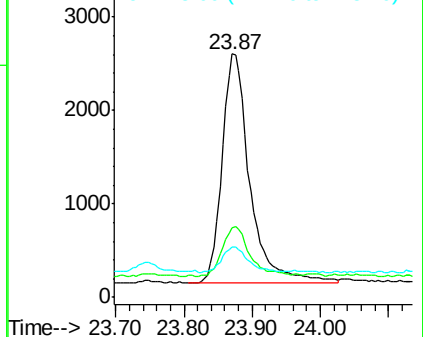
125 20.5 68.0 102.0#



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: 0.24 ng

RT: 26.70 min Scan# 2730

Delta R.T. 0.06 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

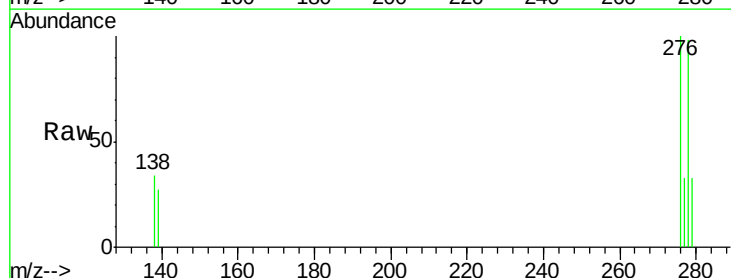
Tgt Ion:278 Resp: 5265

Ion Ratio Lower Upper

278 100

139 27.0 56.0 84.0#

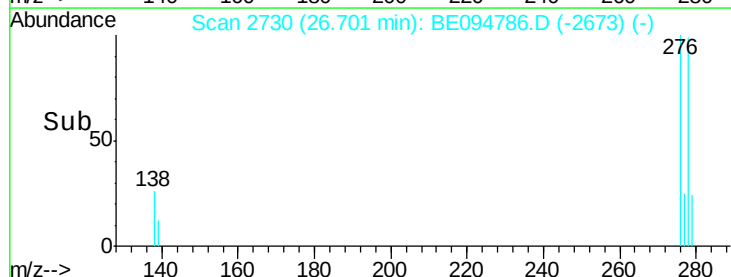
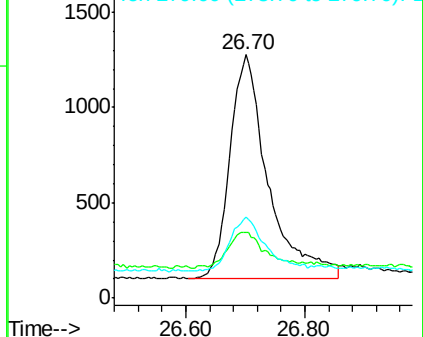
279 33.3 52.0 78.0#

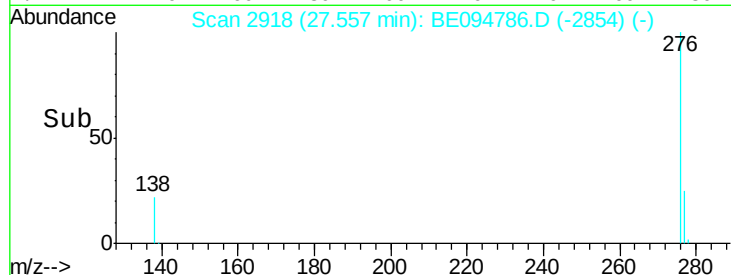
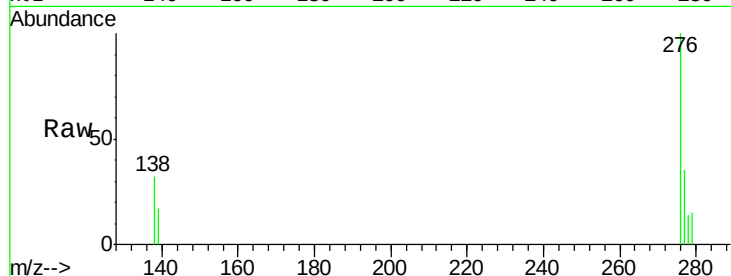
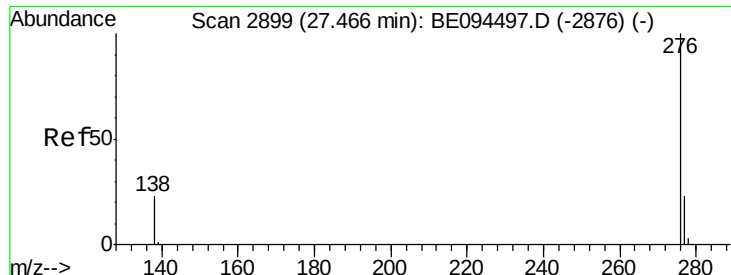


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.20 ng

RT: 27.56 min Scan# 2918

Delta R.T. 0.09 min

Lab File: BE094786.D

Acq: 8 Nov 2017 17:09

Instrument :

BNA\_E

ClientSampleId :

PB103996BS

Tot Ion:276 Resp: 4237

Ion Ratio Lower Upper

276 100

277 35.3 52.0 78.0#

138 31.9 44.0 66.0#

