

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\  
 Data File : BE093004.D  
 Acq On : 11 May 2017 20:01  
 Operator : SJ/MA  
 Sample : I3058-10MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 LF017MW003-170508MSD

Quant Time: May 12 01:24:34 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 11 14:48:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 898      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.53 | 136  | 3434     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1554     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 4328     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.28 | 240  | 4696     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.69 | 264  | 3833     | 0.40 | ng    | -0.01    |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.36  | 112 | 590  | 0.24 | ng | 0.00  |
| 5) Phenol-d6                | 6.92  | 99  | 528  | 0.17 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 1194 | 0.44 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 2371 | 0.49 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.87 | 330 | 162  | 0.38 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 3114 | 0.51 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.14 | 212 | 4098 | 0.36 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.74 | 244 | 4303 | 0.52 | ng | 0.00  |

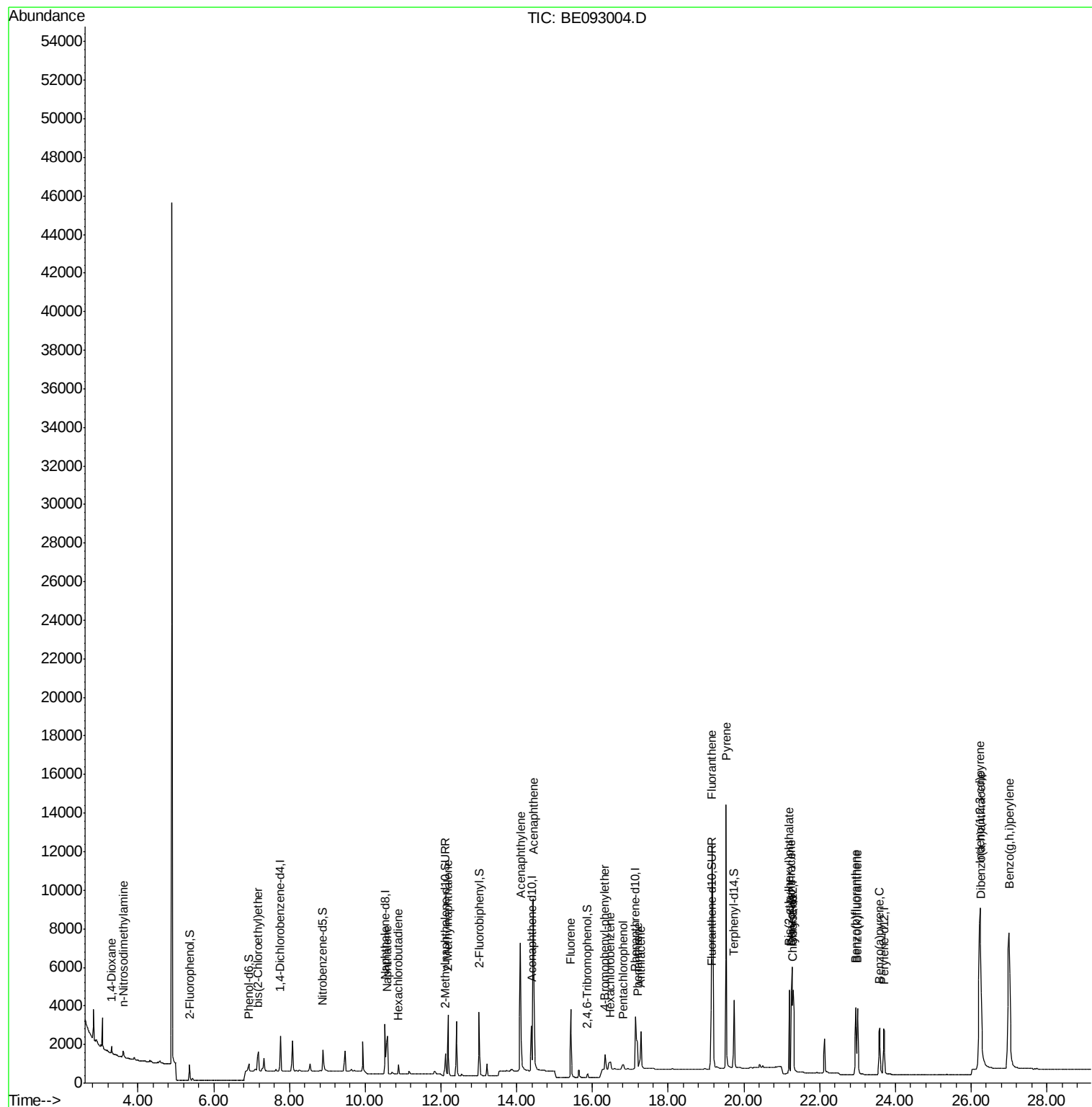
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 215   | 0.12   | ng | # 32  |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 247   | 0.16   | ng | # 94  |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93  | 1143  | 0.38   | ng | # 99  |
| 9) Naphthalene                 | 10.58 | 128 | 3523  | 0.39   | ng | 99    |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 470   | 0.37   | ng | 98    |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 2276  | 0.42   | ng | 97    |
| 16) Acenaphthylene             | 14.10 | 152 | 10703 | 0.41   | ng | 100   |
| 17) Acenaphthene               | 14.44 | 154 | 1990  | 0.41   | ng | 91    |
| 18) Fluorene                   | 15.43 | 166 | 2396  | 0.40   | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 508   | 0.37   | ng | # 1   |
| 21) Hexachlorobenzene          | 16.47 | 284 | 620   | 0.26   | ng | # 100 |
| 22) Pentachlorophenol          | 16.82 | 266 | 411   | 0.82   | ng | 93    |
| 23) Phenanthrene               | 17.19 | 178 | 3494  | 0.35   | ng | # 77  |
| 24) Anthracene                 | 17.28 | 178 | 3254  | 0.36   | ng | 97    |
| 26) Fluoranthene               | 19.16 | 202 | 20210 | 0.36   | ng | # 59  |
| 28) Pyrene                     | 19.53 | 202 | 20686 | 0.35   | ng | # 96  |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 5167  | 0.45   | ng | # 84  |
| 31) Chrysene                   | 21.30 | 228 | 5294  | 0.37   | ng | # 83  |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 4084  | 0.81   | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.23 | 276 | 20756 | 0.45   | ng | 99    |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 4967  | 0.40   | ng | 99    |
| 36) Benzo(k)fluoranthene       | 23.00 | 252 | 4984  | 0.40   | ng | 96    |
| 37) Benzo(a)pyrene             | 23.59 | 252 | 4297  | 0.40   | ng | 98    |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278 | 4216  | 0.43   | ng | 98    |
| 39) Benzo(g,h,i)perylene       | 27.00 | 276 | 18006 | 0.41   | ng | 99    |

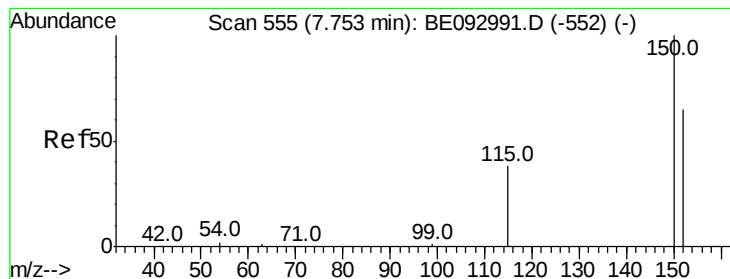
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

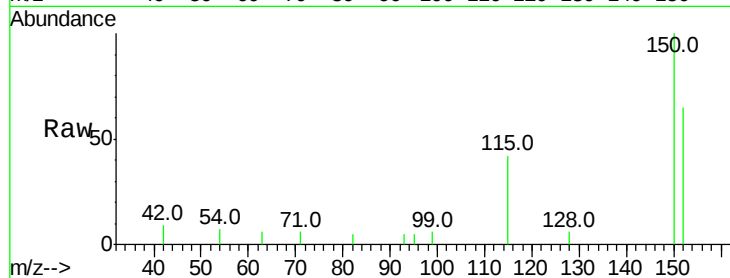
Tot Ion:152 Resp: 898

Ion Ratio Lower Upper

152 100

150 153.9 125.1 187.7

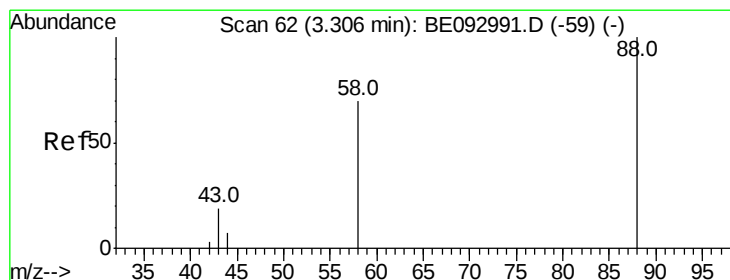
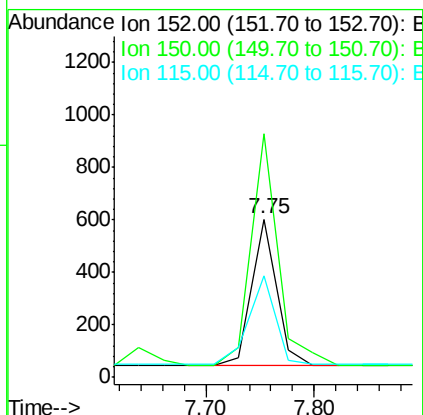
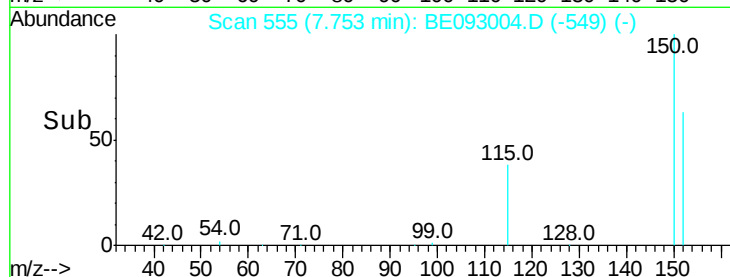
115 64.3 55.7 83.5



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: 0.12 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

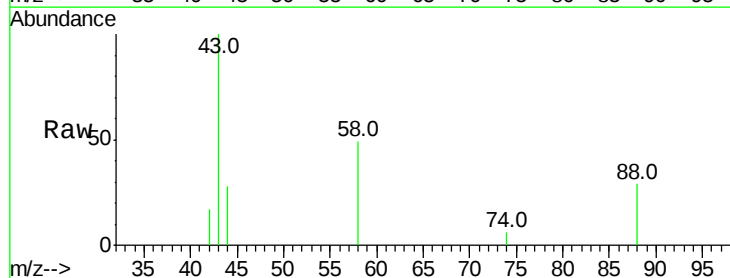
Tgt Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

58 113.0 62.2 93.4#

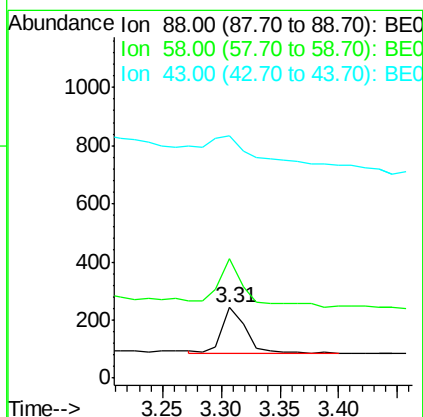
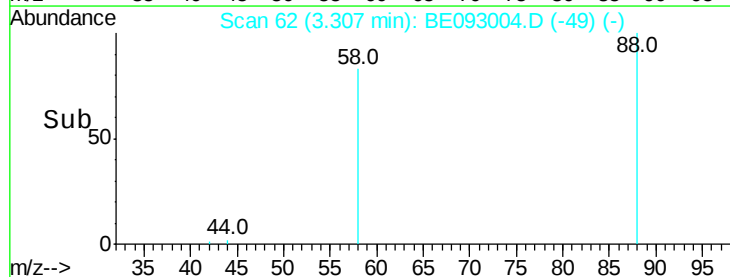
43 104.7 23.2 34.8#

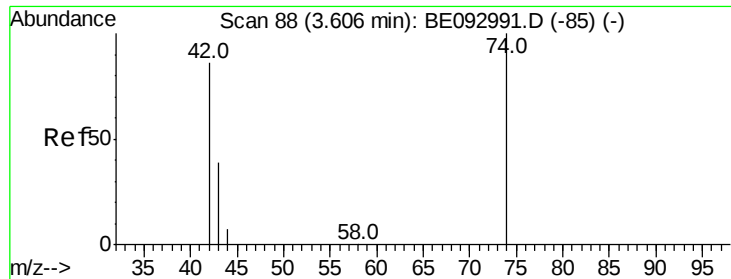


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

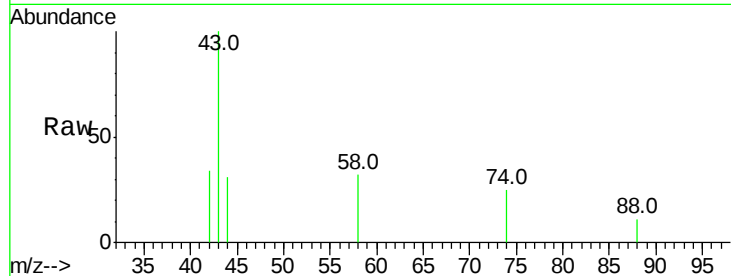
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

74 119.0 99.1 148.7

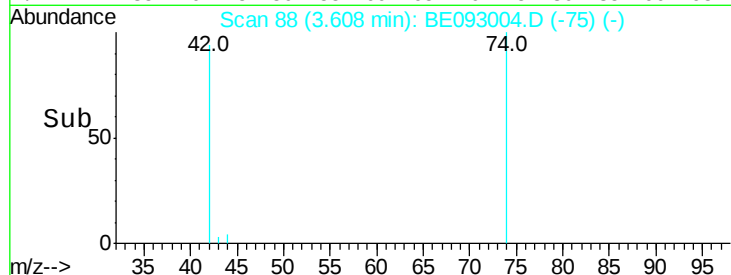
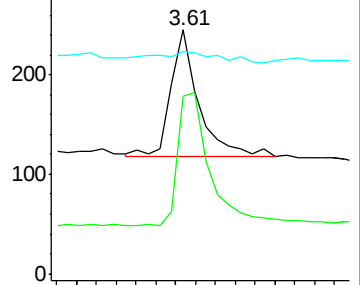
44 19.4 7.4 11.2#



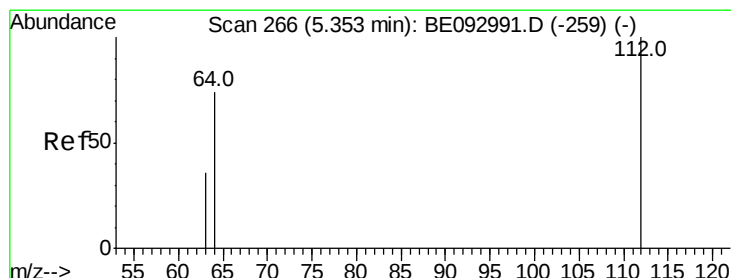
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.24 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

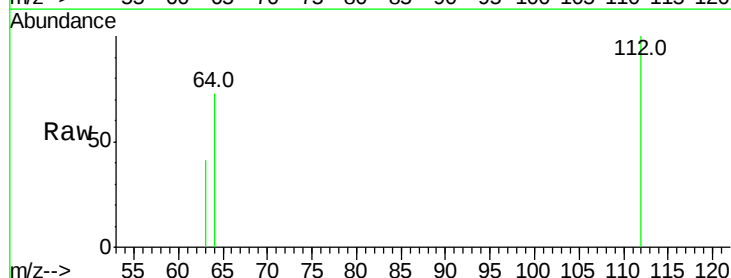
Tgt Ion: 112 Resp: 590

Ion Ratio Lower Upper

112 100

64 71.0 56.4 84.6

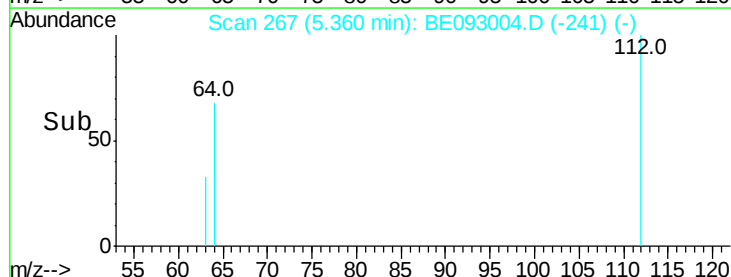
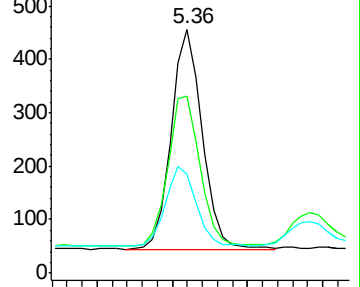
63 36.3 29.3 43.9



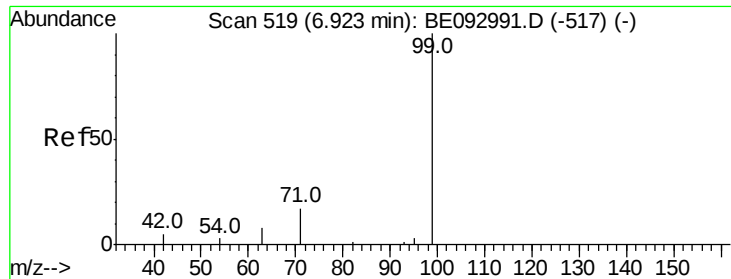
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.17 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

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ClientSampleId :

LF017MW003-170508MSD

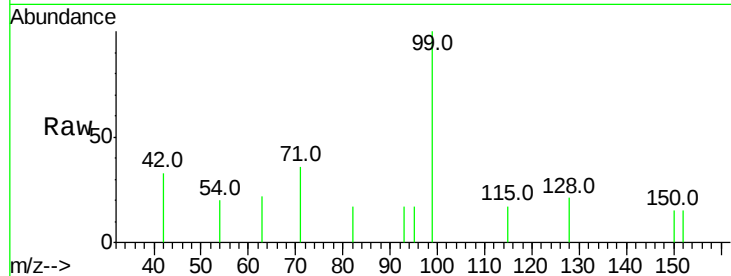
Tot Ion: 99 Resp: 528

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

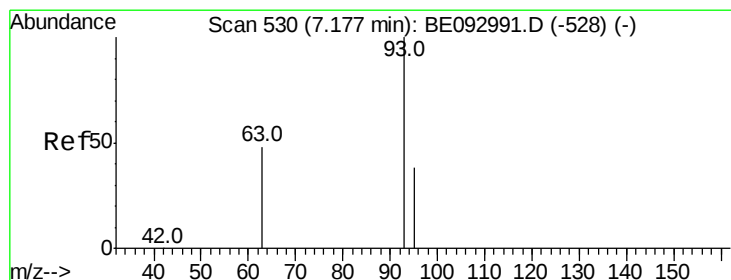
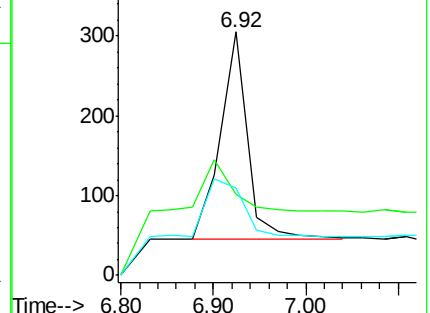
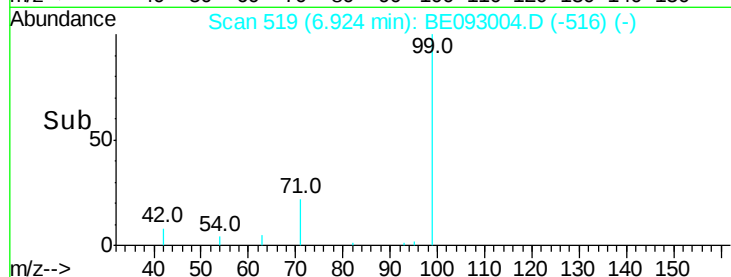
71 0.0 0.0 0.0



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: 0.38 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

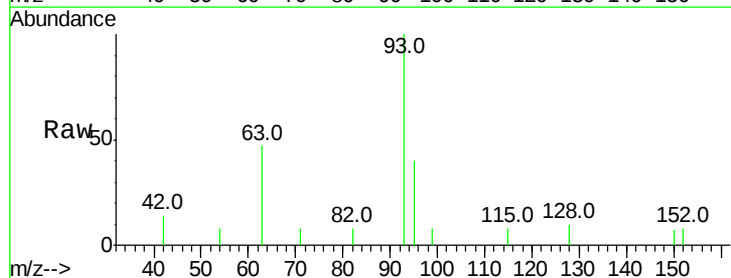
Tgt Ion: 93 Resp: 1143

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

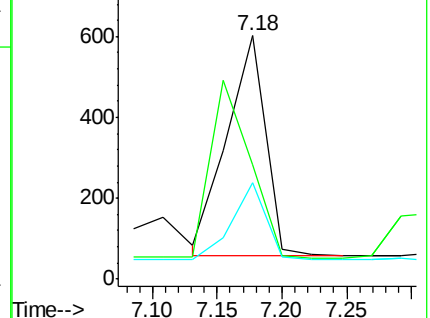
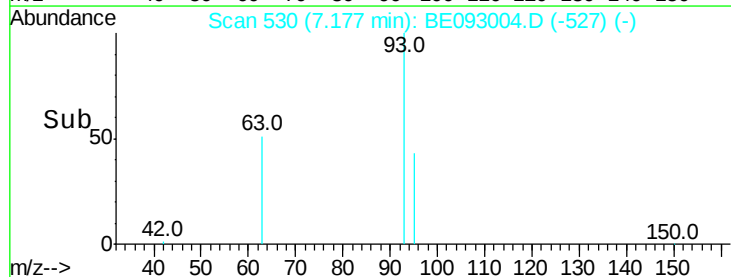
95 31.0 25.4 38.0

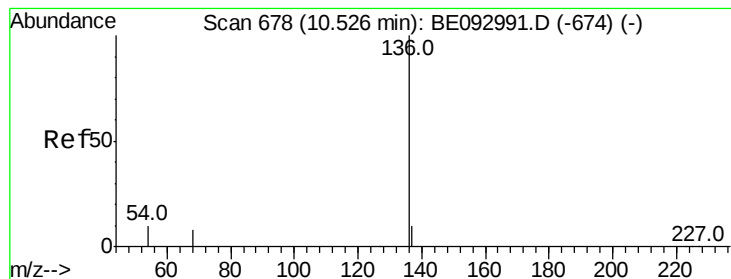


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

Tot Ion:136 Resp: 3434

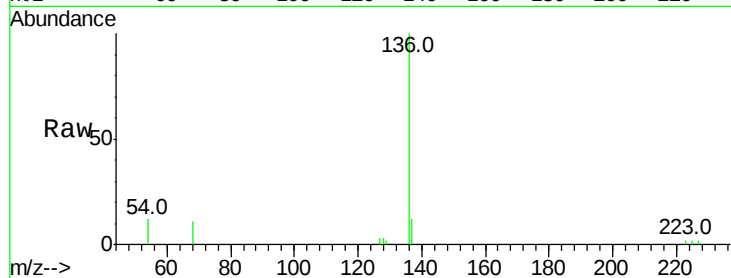
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 11.5 10.3 15.5

68 10.6 9.0 13.4

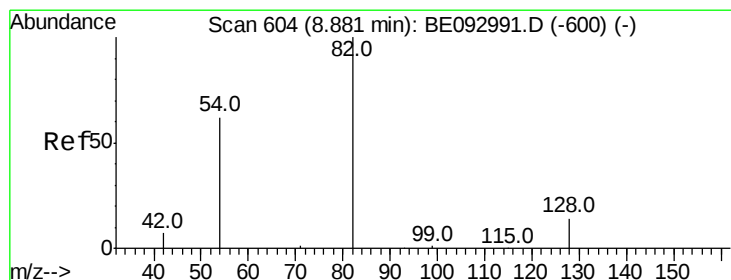
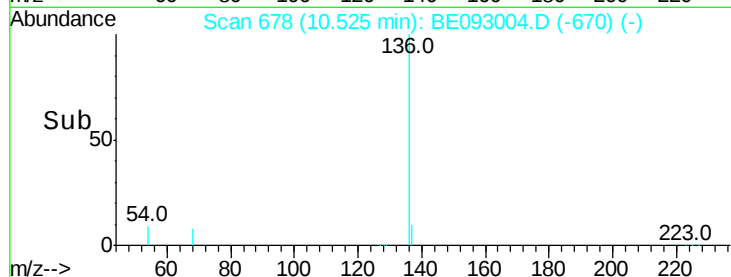
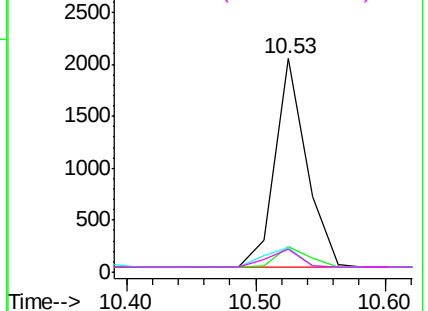


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.44 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

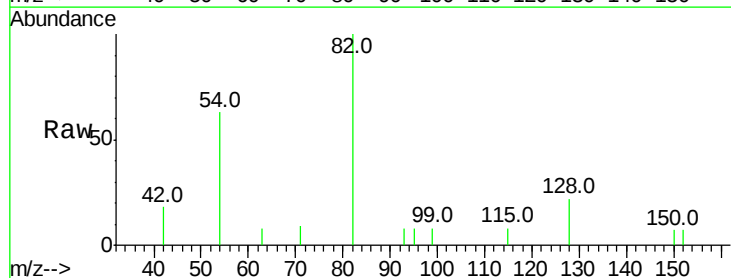
Tgt Ion: 82 Resp: 1194

Ion Ratio Lower Upper

82 100

128 22.2 17.0 25.4

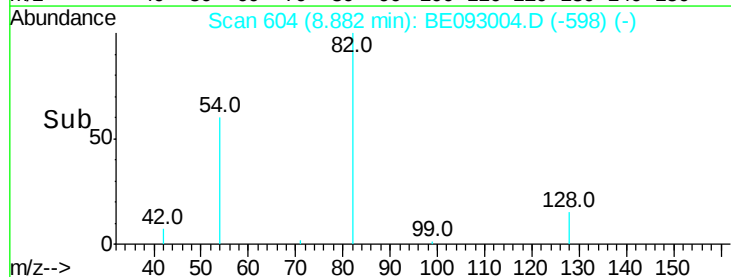
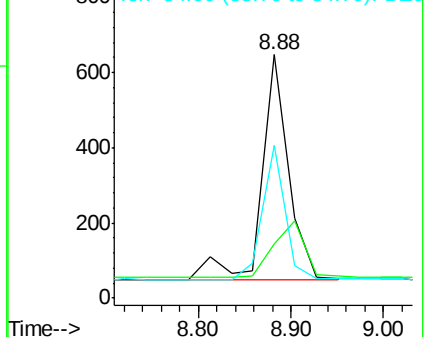
54 62.8 53.8 80.6

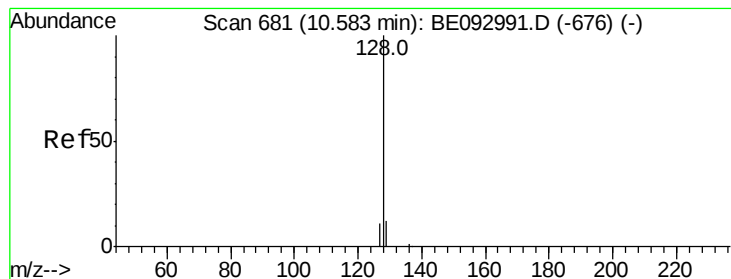


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

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ClientSampleId :

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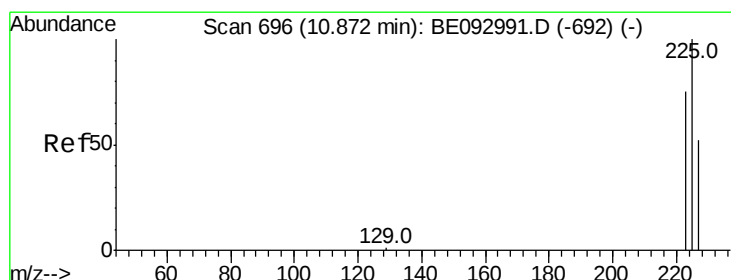
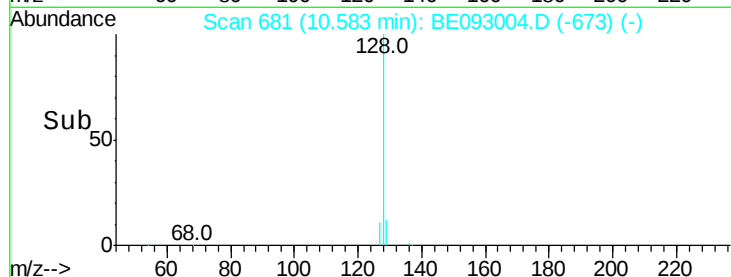
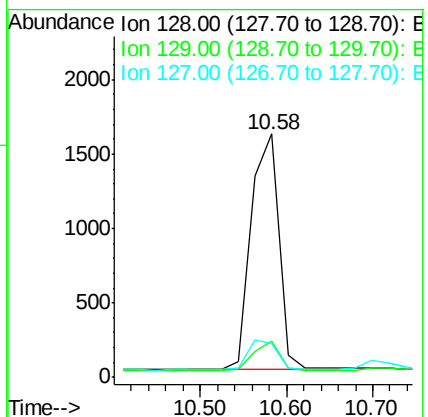
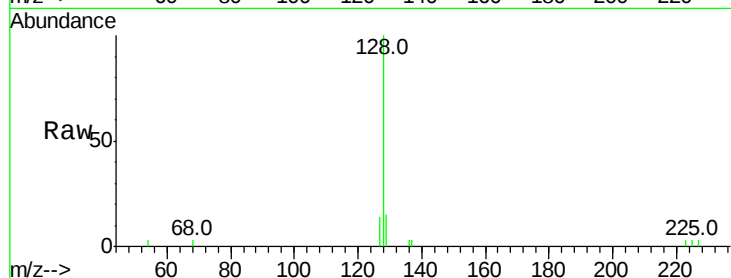
Tot Ion:128 Resp: 3523

Ion Ratio Lower Upper

128 100

129 14.8 11.4 17.0

127 13.8 11.2 16.8



#10

Hexachlorobutadiene

Concen: 0.37 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

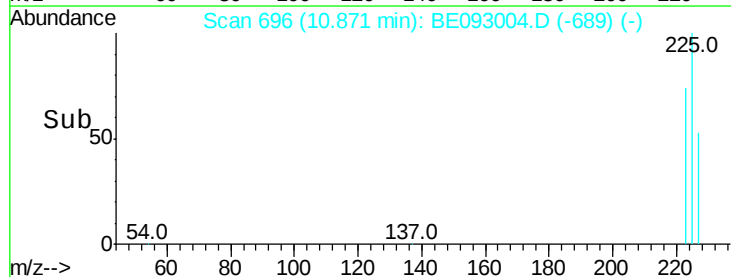
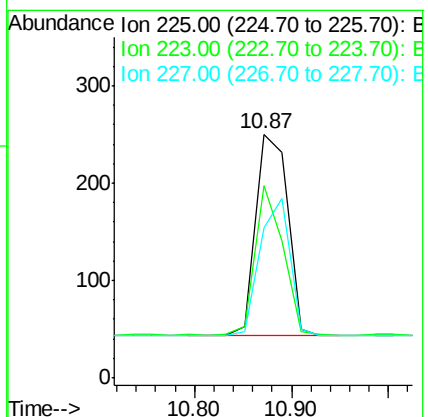
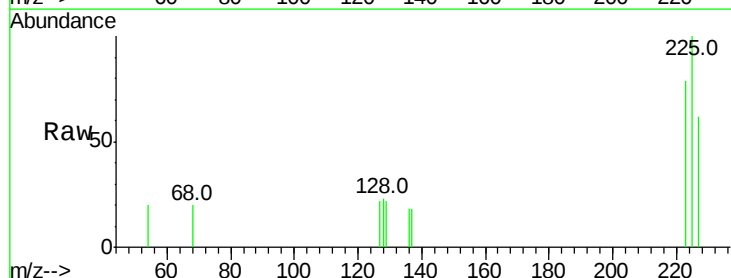
Tgt Ion:225 Resp: 470

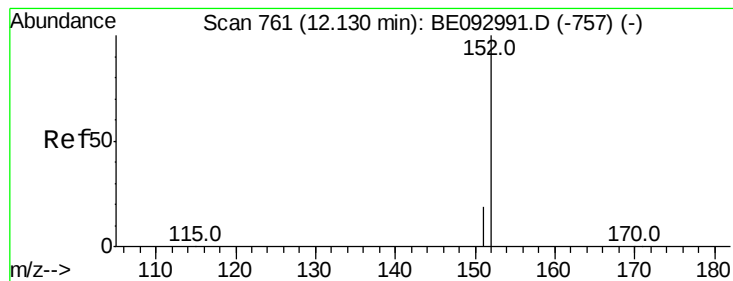
Ion Ratio Lower Upper

225 100

223 65.1 49.7 74.5

227 63.6 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.49 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

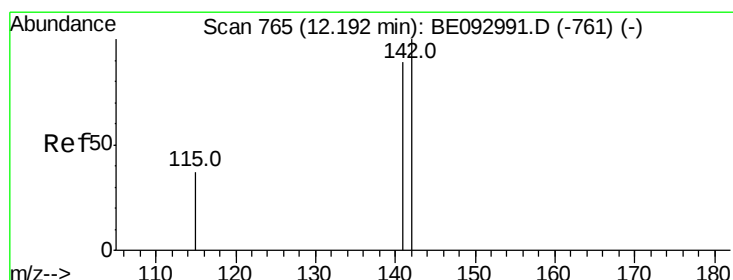
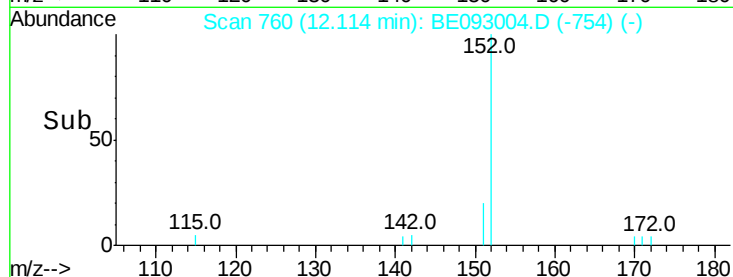
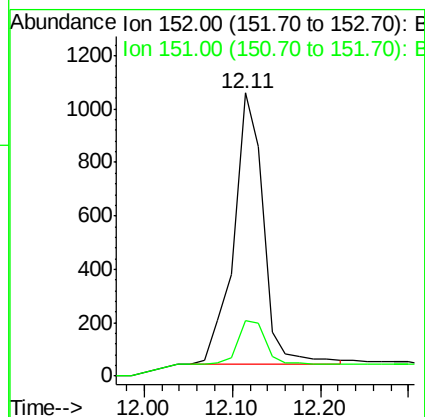
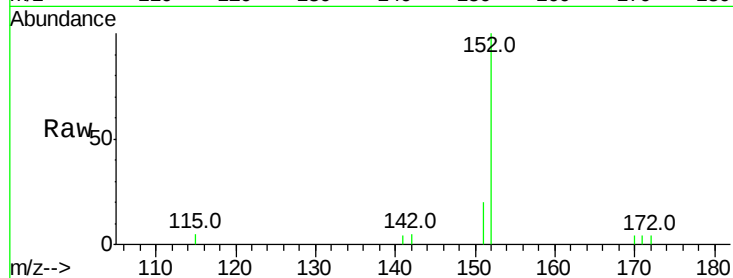
LF017MW003-170508MSD

Tot Ion:152 Resp: 2371

Ion Ratio Lower Upper

152 100

151 14.8 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.42 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

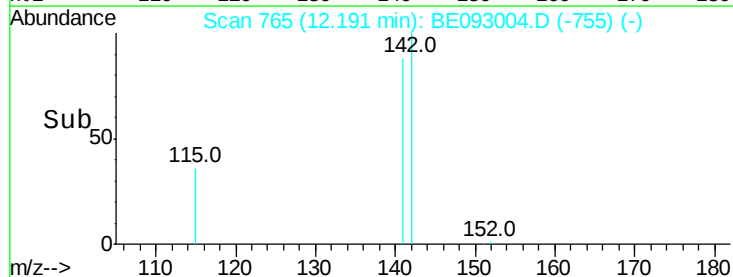
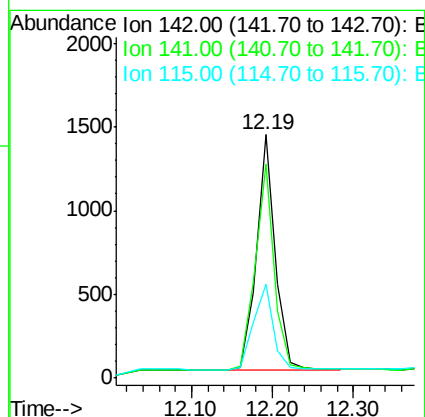
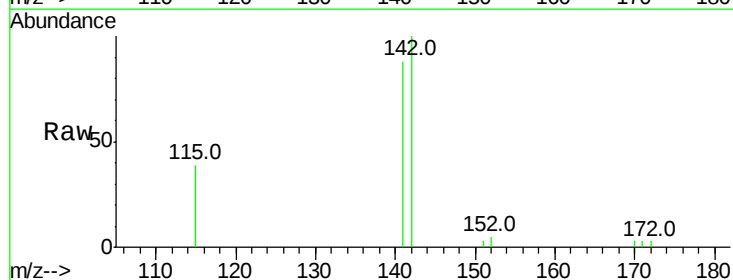
Tgt Ion:142 Resp: 2276

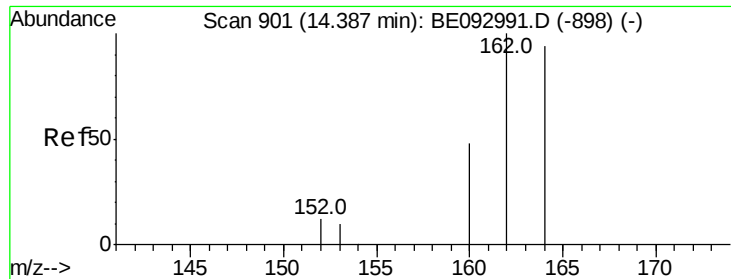
Ion Ratio Lower Upper

142 100

141 88.2 72.6 108.8

115 38.5 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

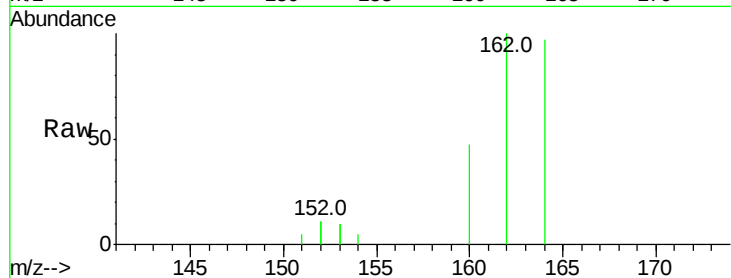
Tot Ion:164 Resp: 1554

Ion Ratio Lower Upper

164 100

162 102.7 84.6 127.0

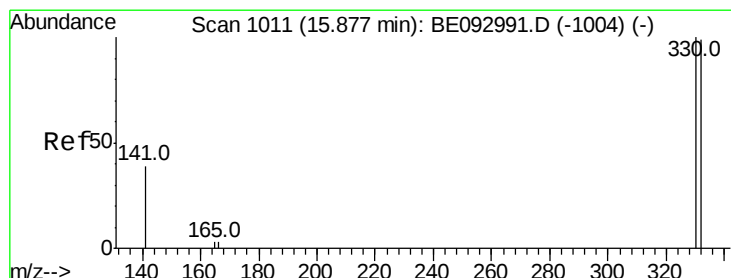
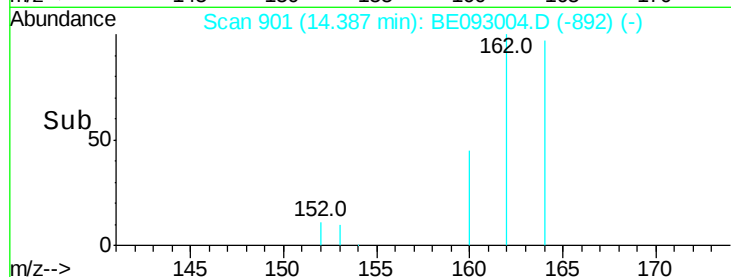
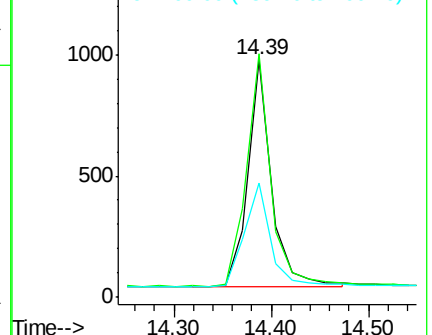
160 48.3 41.8 62.6



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: 0.38 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

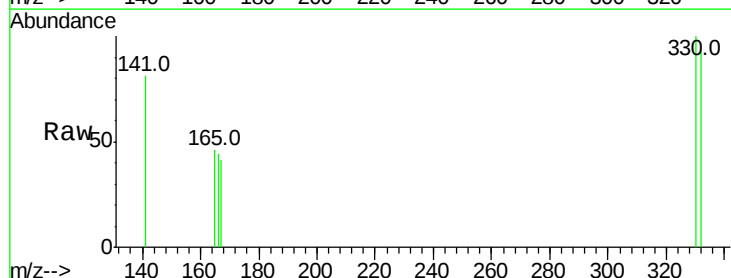
Tgt Ion:330 Resp: 162

Ion Ratio Lower Upper

330 100

332 96.3 77.7 116.5

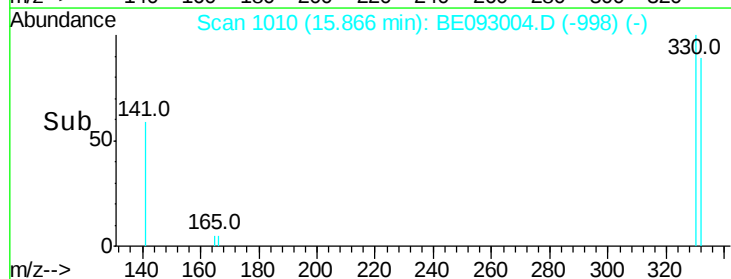
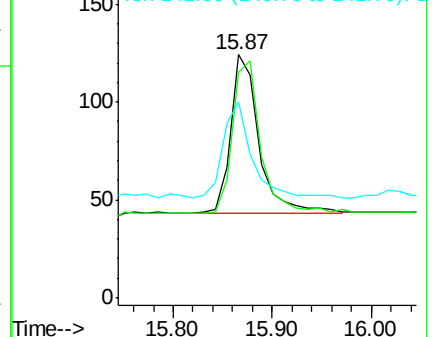
141 59.9 56.2 84.4

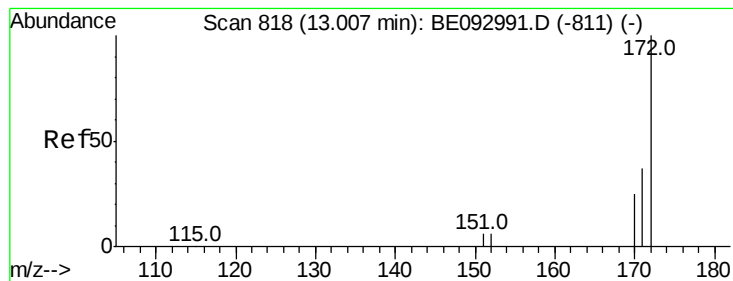


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.51 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

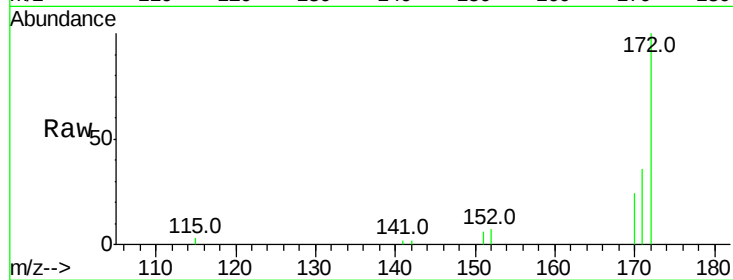
Tot Ion:172 Resp: 3114

Ion Ratio Lower Upper

172 100

171 35.5 29.8 44.6

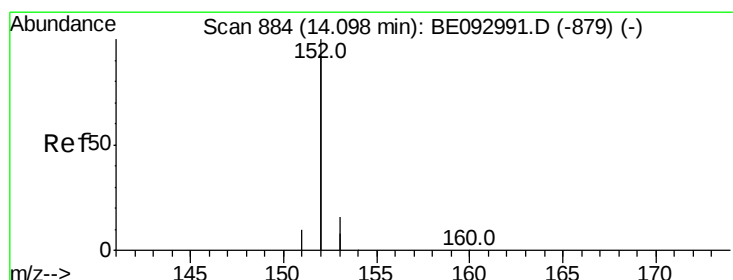
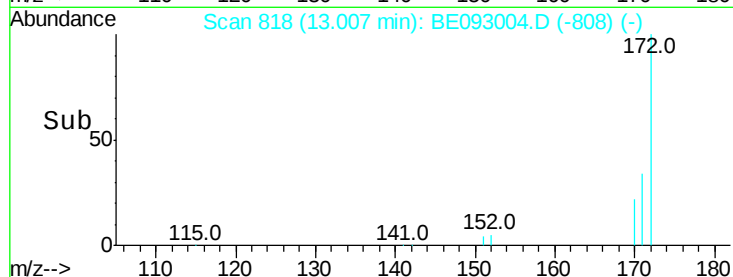
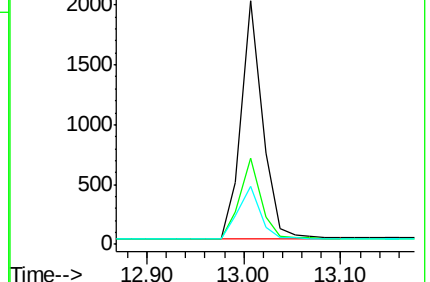
170 23.7 20.7 31.1



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: 0.41 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

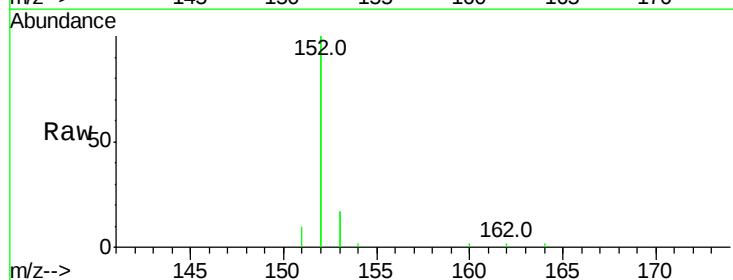
Tgt Ion:152 Resp: 10703

Ion Ratio Lower Upper

152 100

151 5.1 4.0 6.0

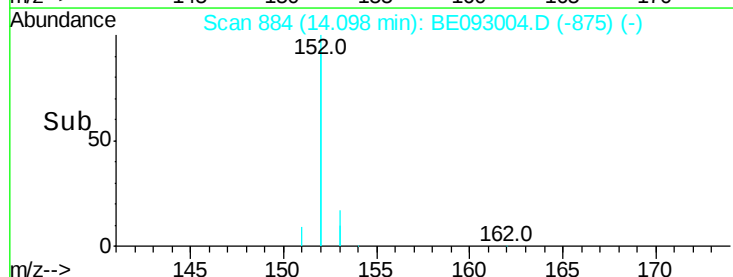
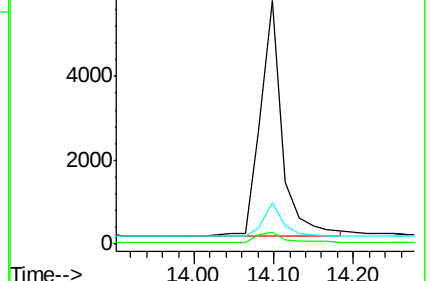
153 13.1 10.3 15.5

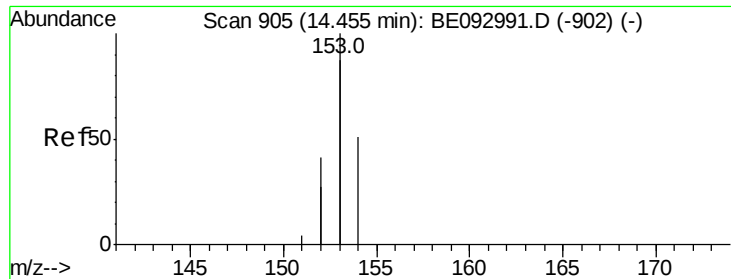


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

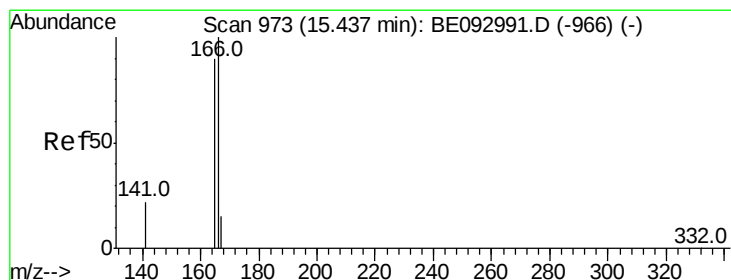
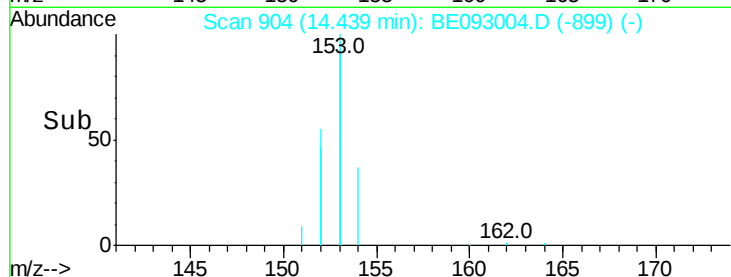
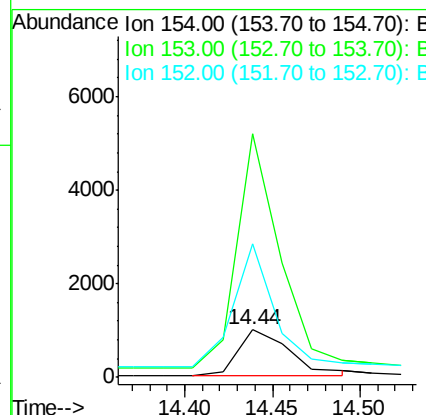
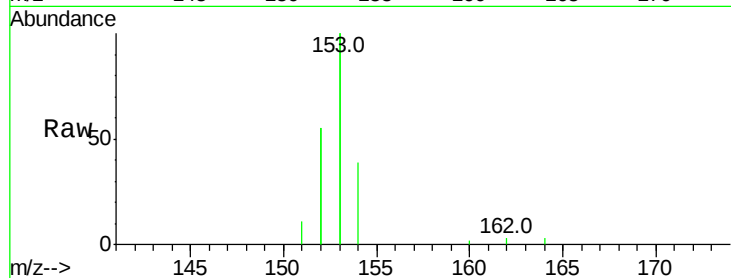




#17  
Acenaphthene  
Concen: 0.41 ng  
RT: 14.44 min Scan# 904  
Delta R.T. -0.02 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

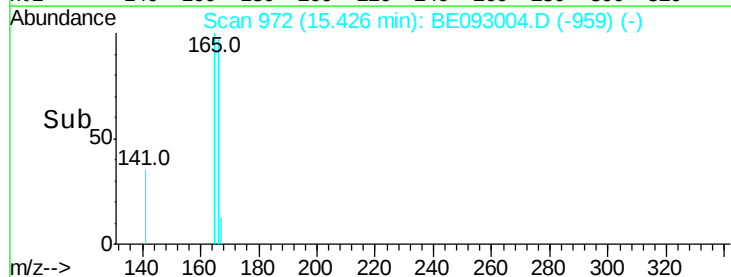
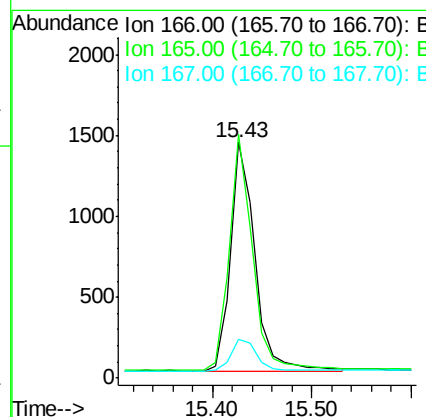
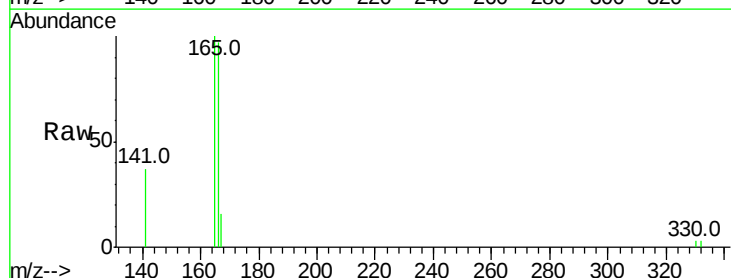
Instrument :  
BNA\_E  
ClientSampleId :  
LF017MW003-170508MSD

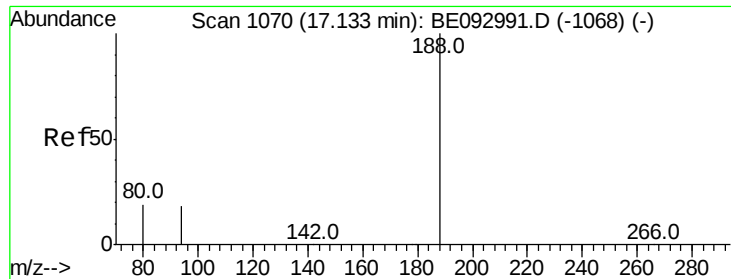
Tot Ion:154 Resp: 1990  
Ion Ratio Lower Upper  
154 100  
153 436.1 367.8 551.6  
152 220.1 188.2 282.2



#18  
Fluorene  
Concen: 0.40 ng  
RT: 15.43 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

Tgt Ion:166 Resp: 2396  
Ion Ratio Lower Upper  
166 100  
165 99.4 78.6 117.8  
167 14.4 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

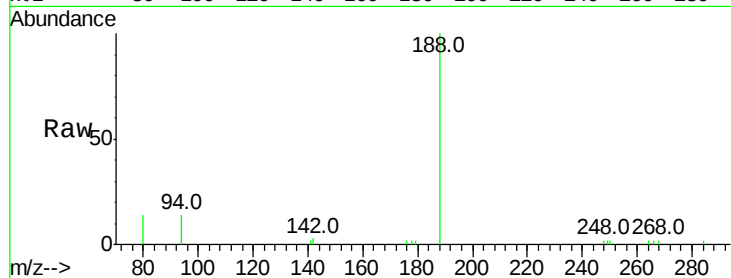
Tot Ion:188 Resp: 4328

Ion Ratio Lower Upper

188 100

94 13.8 11.3 16.9

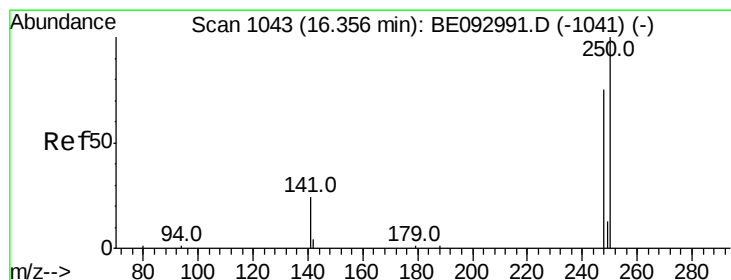
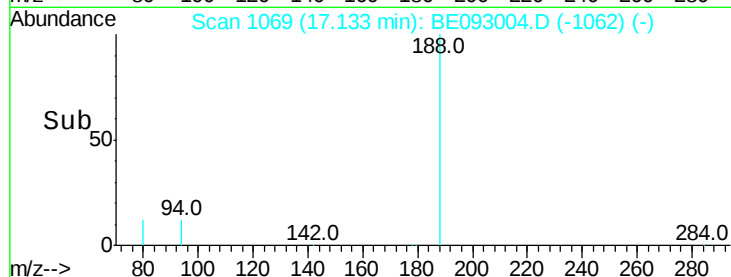
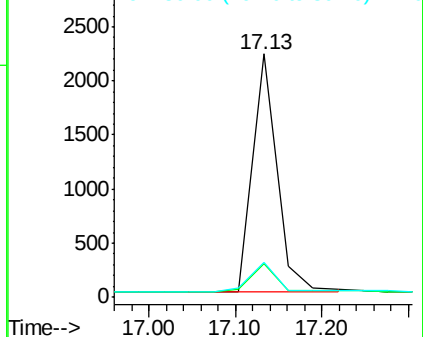
80 14.4 11.7 17.5



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: 0.37 ng

RT: 16.33 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

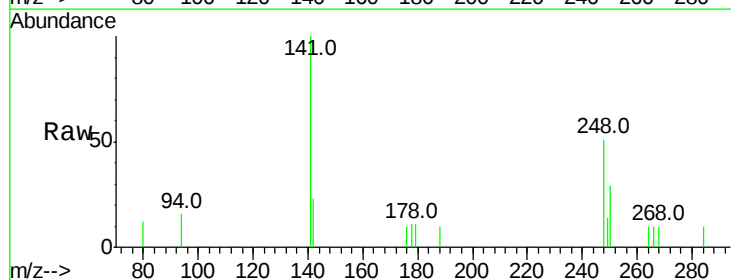
Tgt Ion:248 Resp: 508

Ion Ratio Lower Upper

248 100

250 58.1 100.0 150.0#

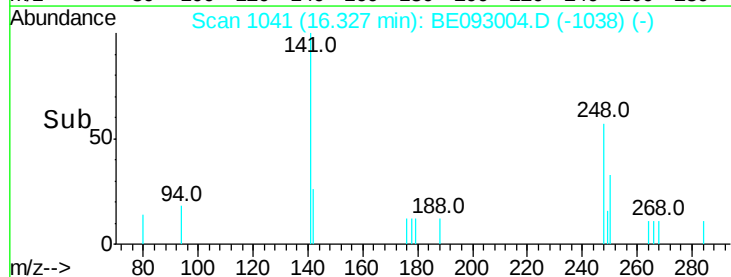
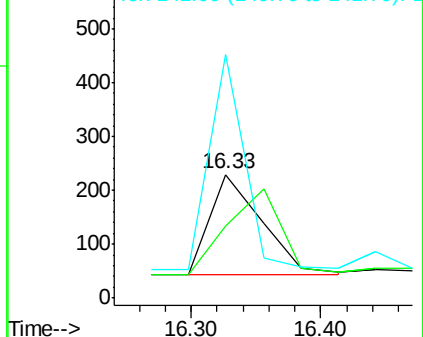
141 197.4 40.0 60.0#

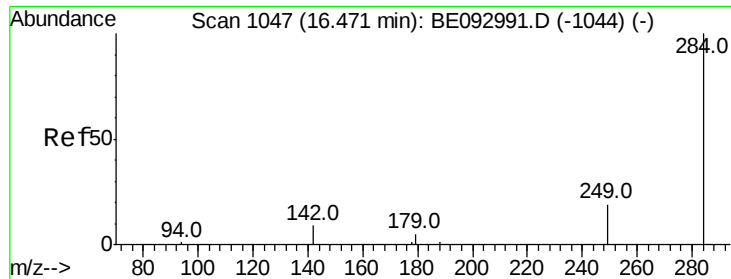


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

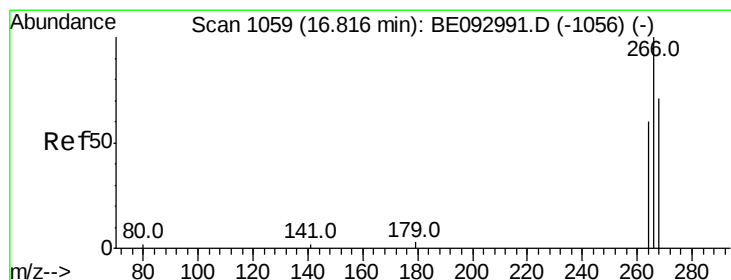
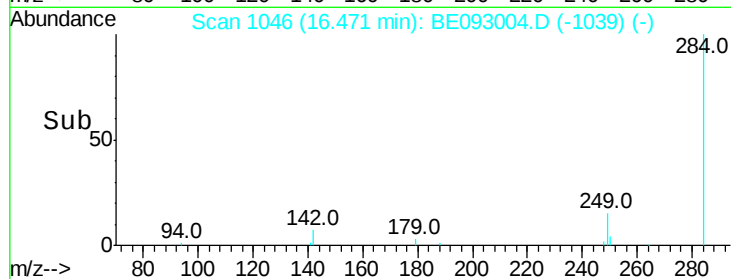
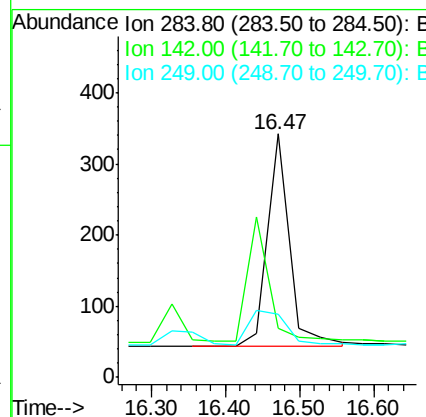
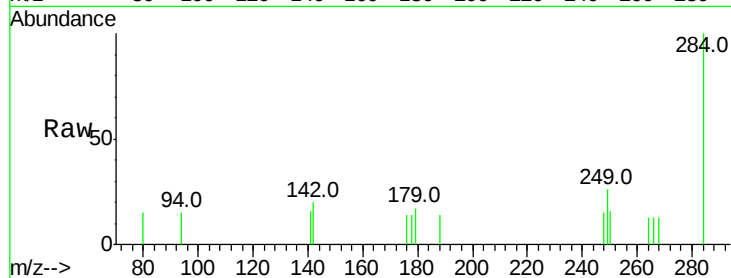




#21  
Hexachlorobenzene  
Concen: 0.26 ng  
RT: 16.47 min Scan# 1046  
Delta R.T. 0.01 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

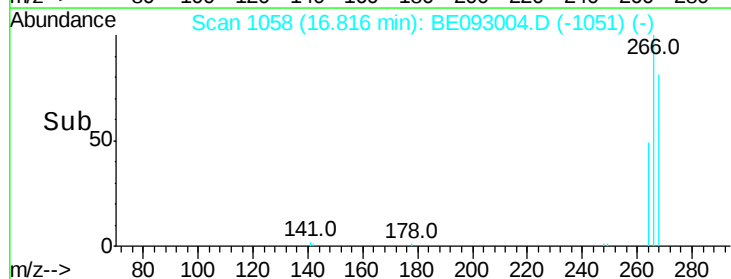
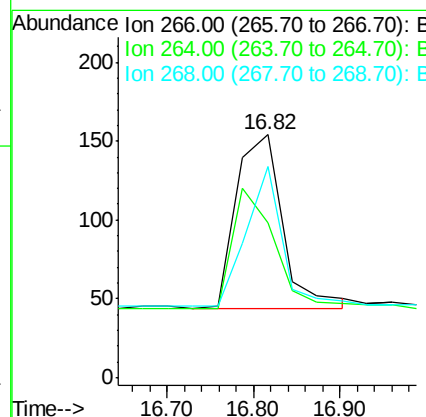
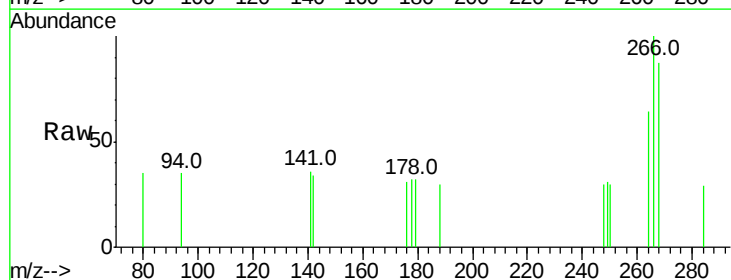
Instrument :  
BNA\_E  
ClientSampleId :  
LF017MW003-170508MSD

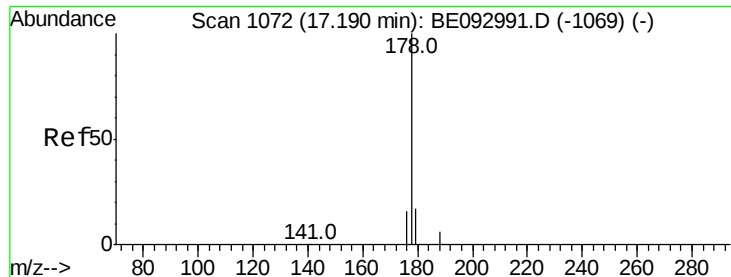
Tot Ion:284 Resp: 620  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 0.0 0.0



#22  
Pentachlorophenol  
Concen: 0.82 ng  
RT: 16.82 min Scan# 1058  
Delta R.T. 0.01 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

Tgt Ion:266 Resp: 411  
Ion Ratio Lower Upper  
266 100  
264 63.6 58.2 87.2  
268 87.0 71.9 107.9





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

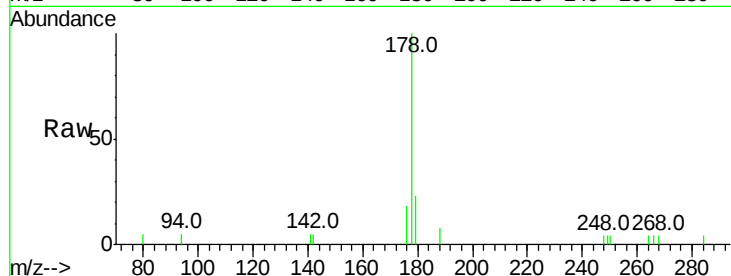
Tot Ion:178 Resp: 3494

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

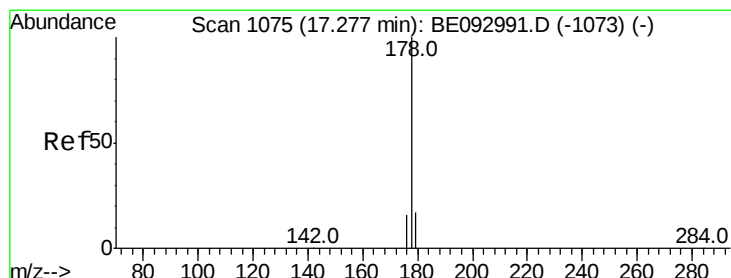
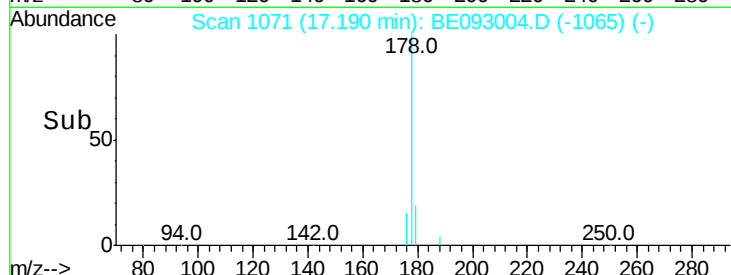
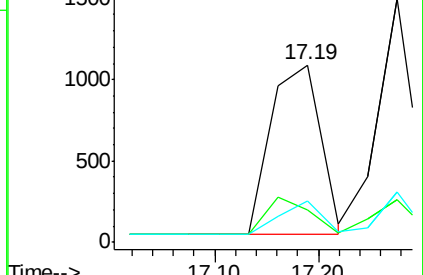
179 16.1 12.7 19.1



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: 0.36 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

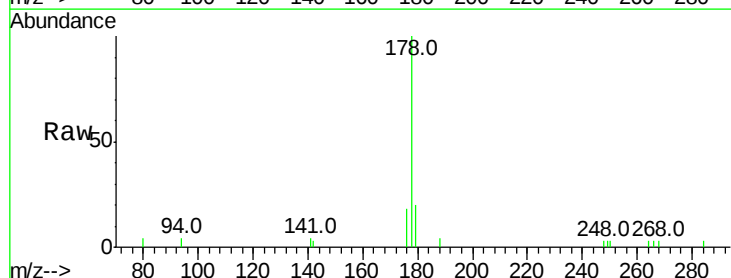
Tgt Ion:178 Resp: 3254

Ion Ratio Lower Upper

178 100

176 17.1 14.6 22.0

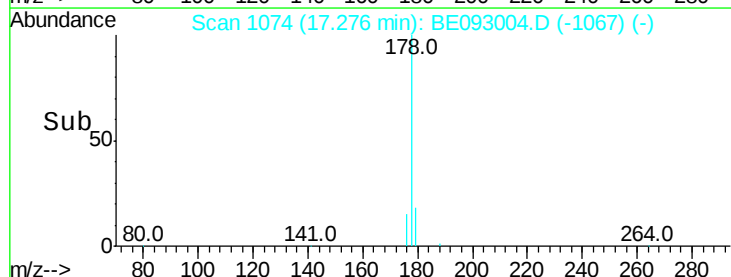
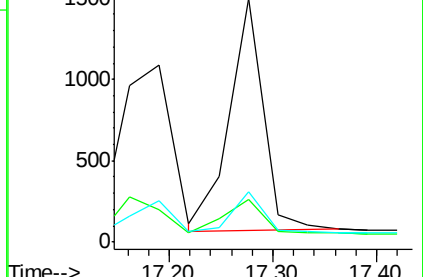
179 16.3 12.0 18.0

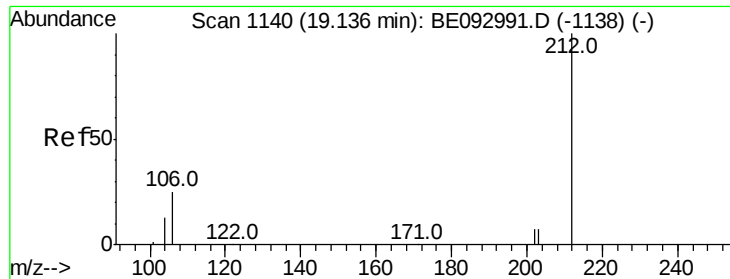


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

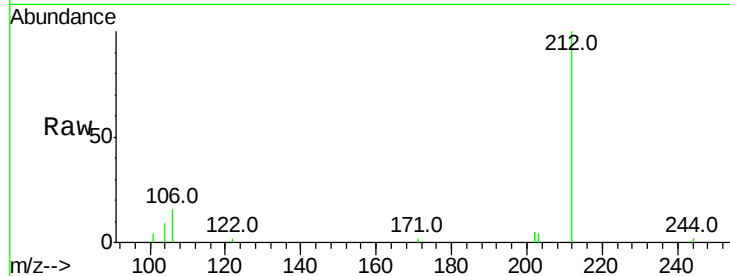
Tot Ion:212 Resp: 4098

Ion Ratio Lower Upper

212 100

106 16.1 0.0 0.0#

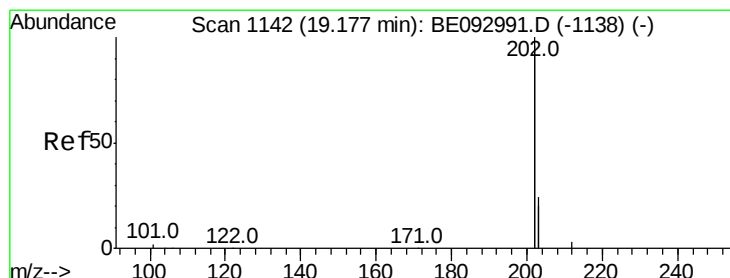
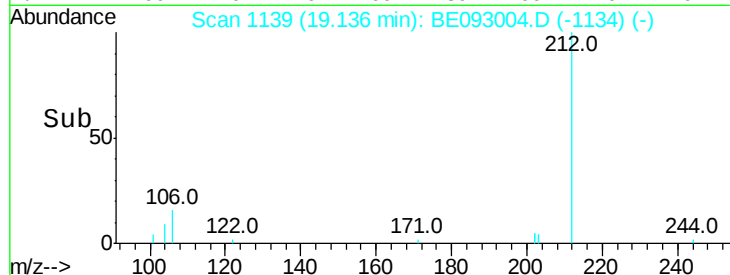
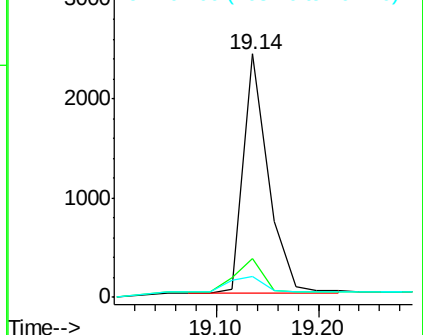
104 9.0 0.0 0.0#



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: 0.36 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

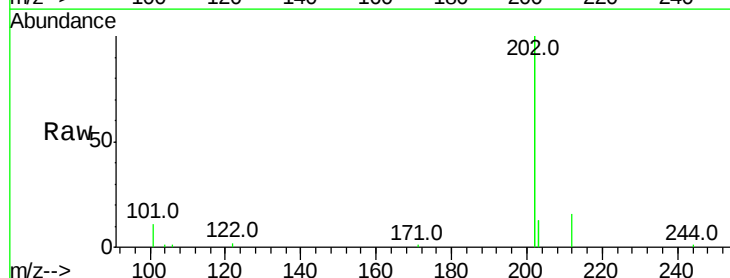
Tgt Ion:202 Resp: 20210

Ion Ratio Lower Upper

202 100

101 3.6 0.0 0.0#

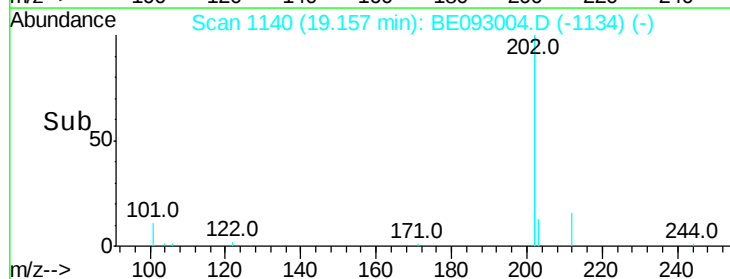
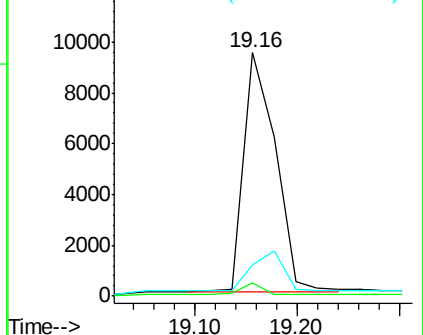
203 0.0 14.4 21.6#

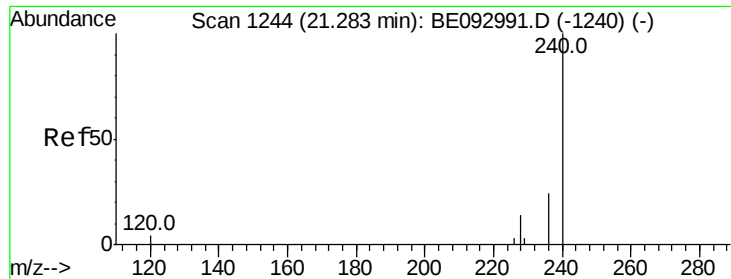


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

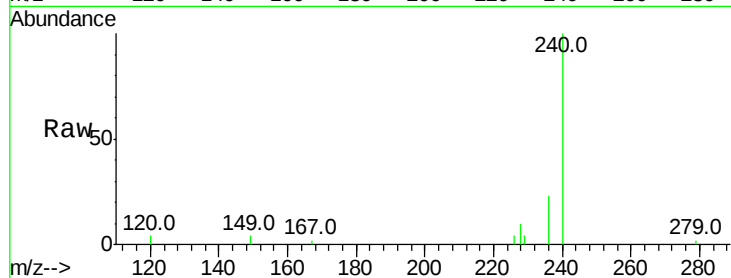
Tot Ion:240 Resp: 4696

Ion Ratio Lower Upper

240 100

120 4.3 4.6 7.0#

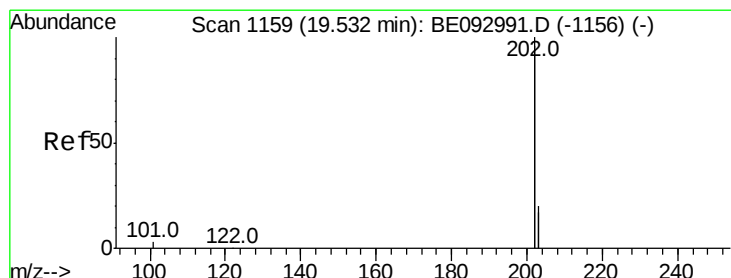
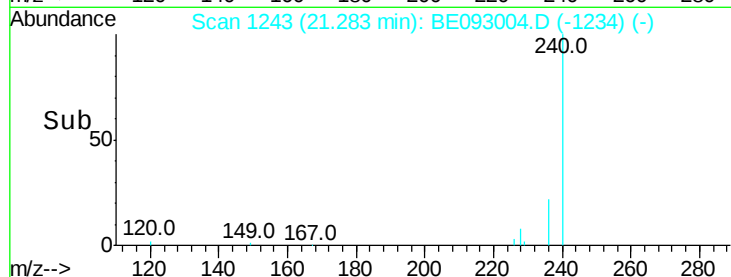
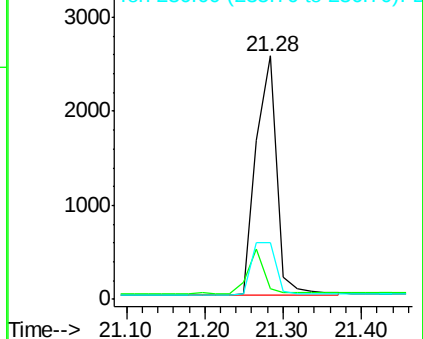
236 23.4 20.8 31.2



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: 0.35 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

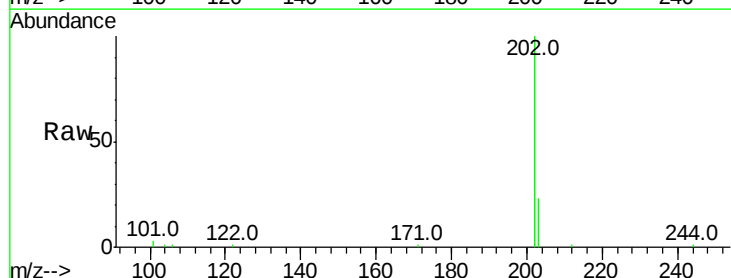
Tgt Ion:202 Resp: 20686

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

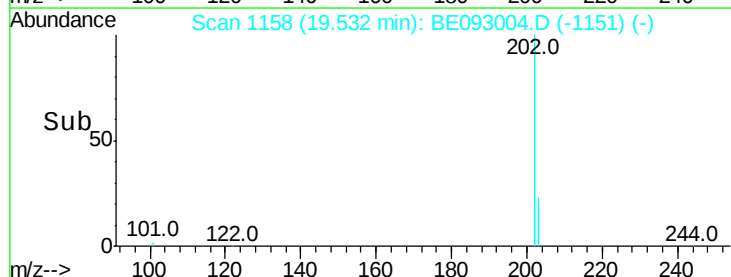
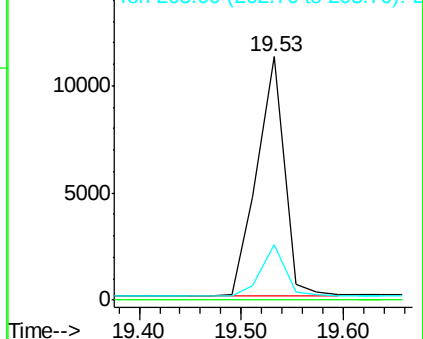
203 18.7 13.7 20.5

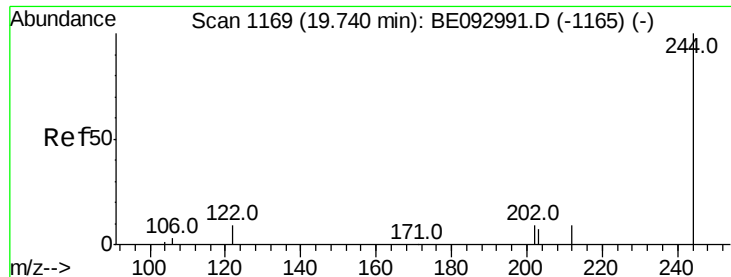


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.52 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

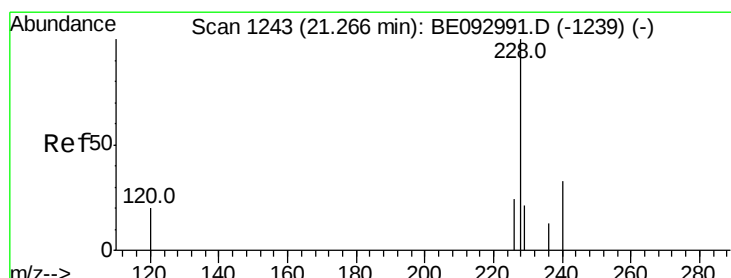
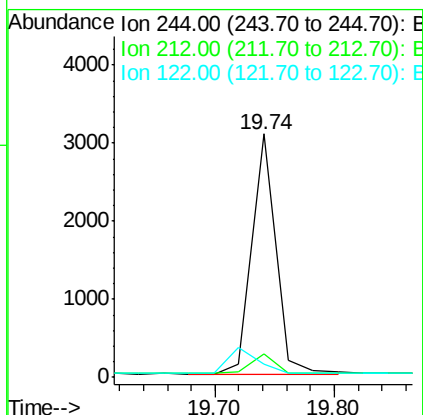
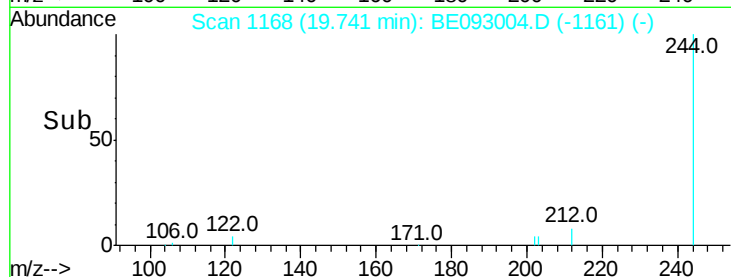
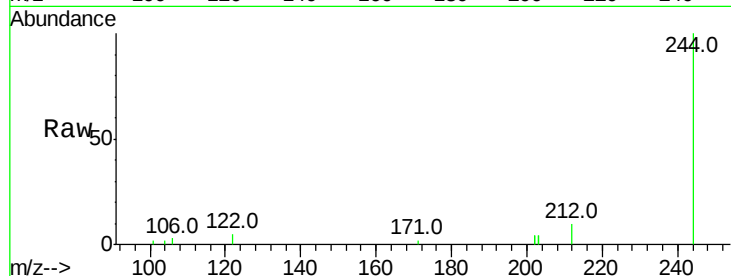
Tot Ion:244 Resp: 4303

Ion Ratio Lower Upper

244 100

212 9.8 10.6 16.0#

122 5.3 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.45 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

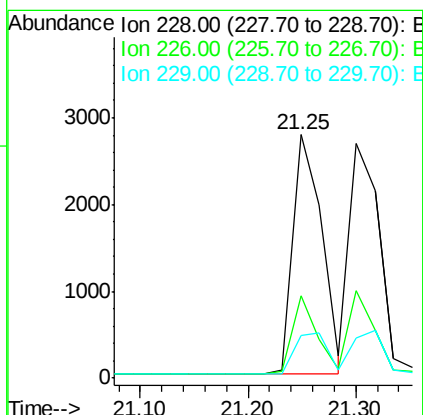
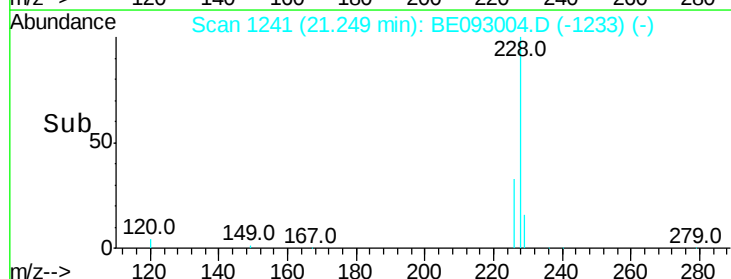
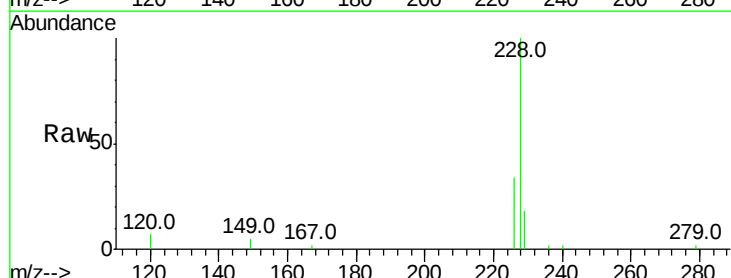
Tgt Ion:228 Resp: 5167

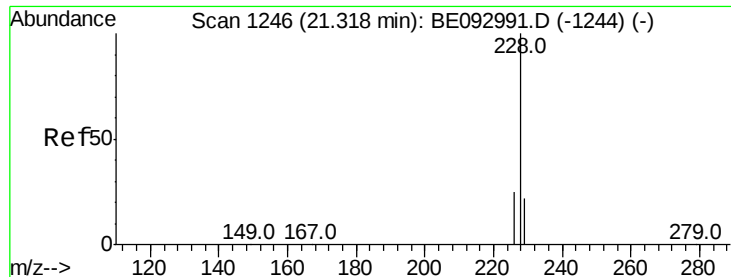
Ion Ratio Lower Upper

228 100

226 33.8 19.7 29.5#

229 17.7 19.2 28.8#





#31

Chrysene

Concen: 0.37 ng

RT: 21.30 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

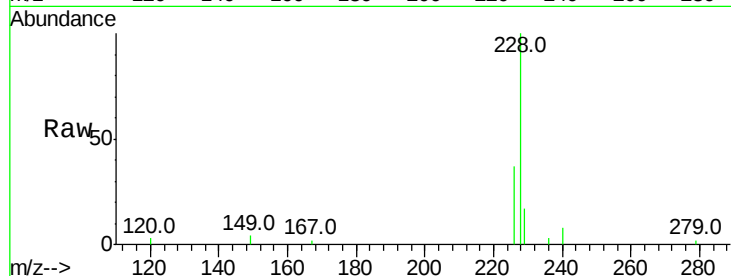
Tot Ion:228 Resp: 5294

Ion Ratio Lower Upper

228 100

226 37.4 21.5 32.3#

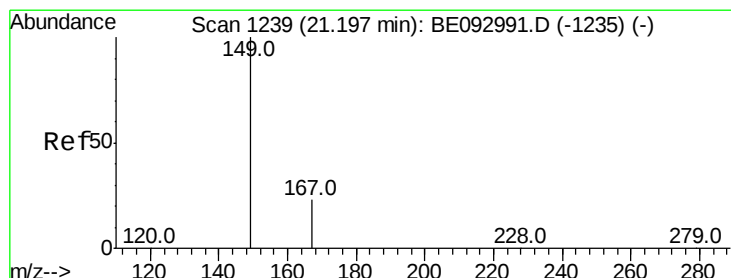
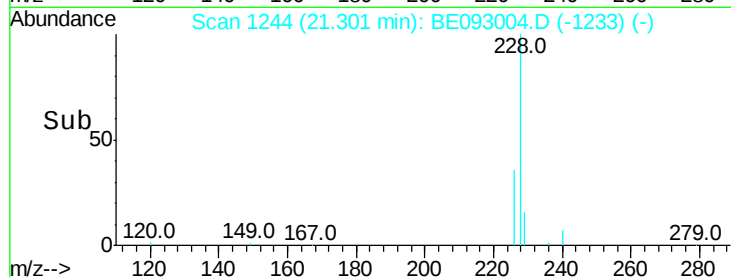
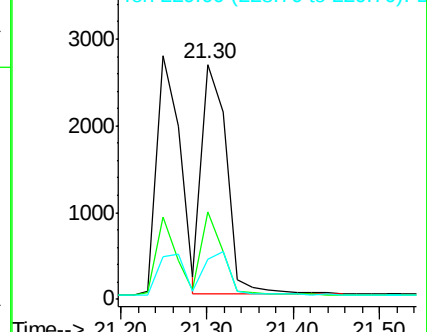
229 17.3 18.6 28.0#



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: 0.81 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

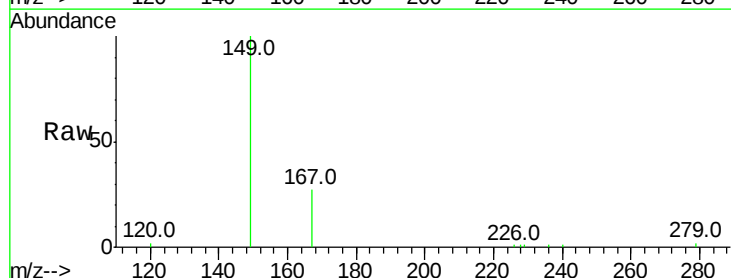
Tgt Ion:149 Resp: 4084

Ion Ratio Lower Upper

149 100

167 25.7 20.1 30.1

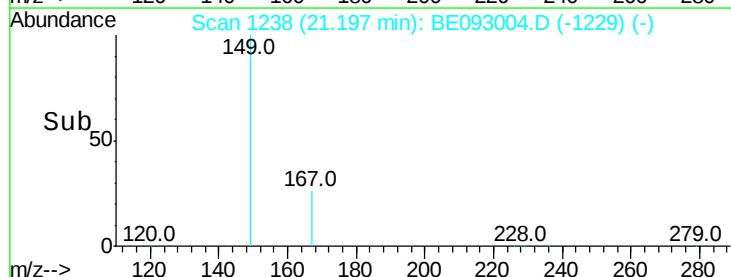
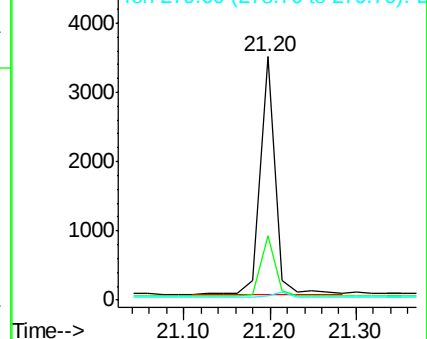
279 2.5 2.2 3.4

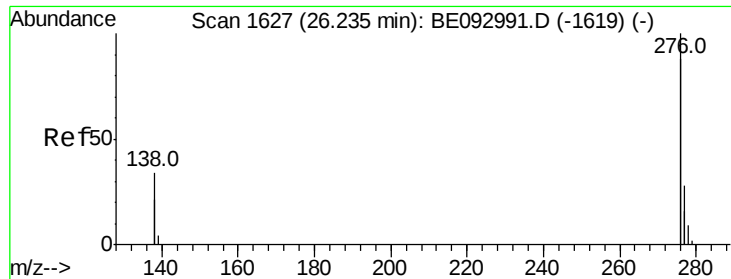


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

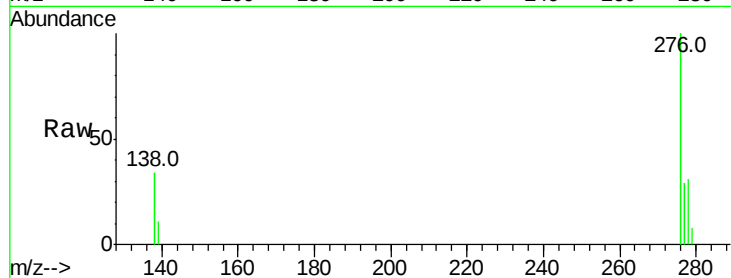




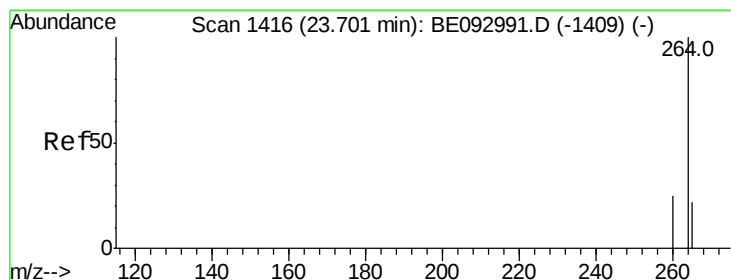
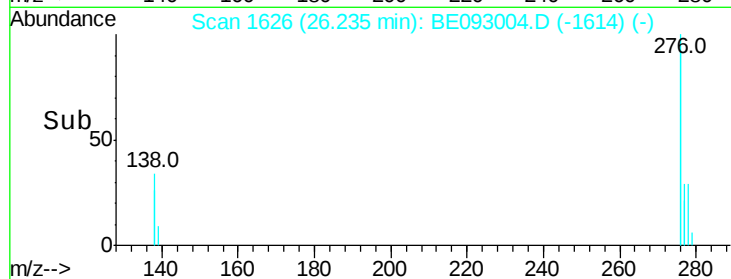
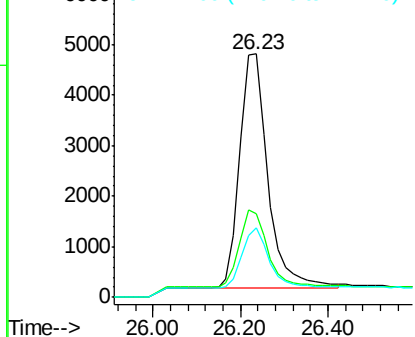
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.45 ng  
RT: 26.23 min Scan# 1626  
Delta R.T. -0.00 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

Instrument :  
BNA\_E  
ClientSampleId :  
LF017MW003-170508MSD

Tot Ion:276 Resp: 20756  
Ion Ratio Lower Upper  
276 100  
138 33.3 27.4 41.2  
277 24.7 20.1 30.1

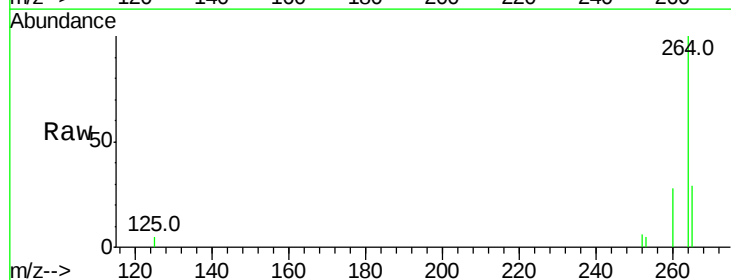


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

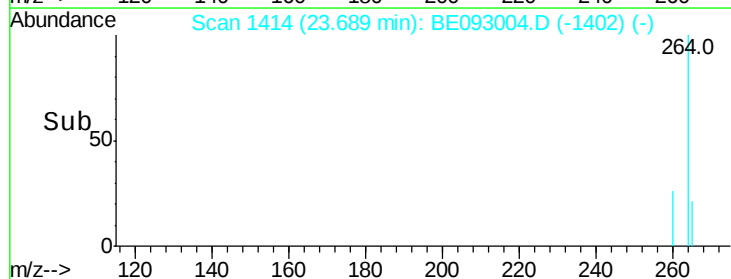
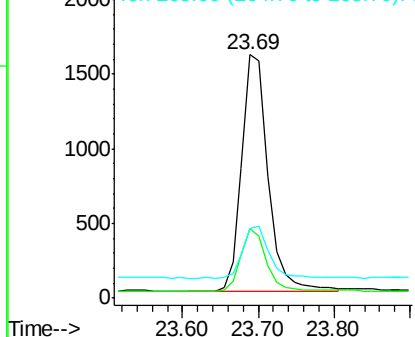


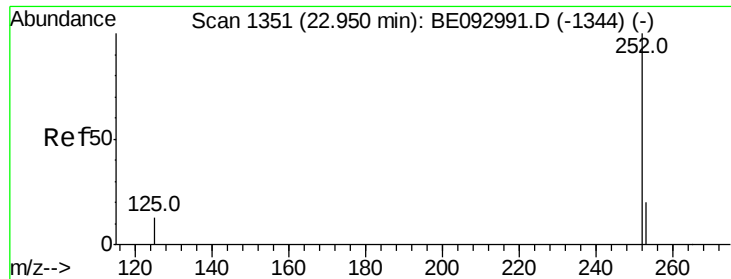
#34  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.69 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BE093004.D  
Acq: 11 May 2017 20:01

Tgt Ion:264 Resp: 3833  
Ion Ratio Lower Upper  
264 100  
260 28.4 21.0 31.4  
265 28.5 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: 0.40 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

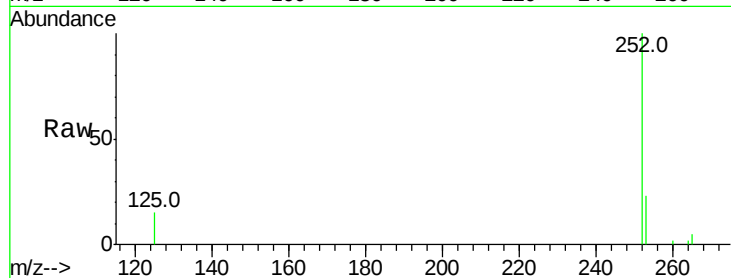
Tot Ion:252 Resp: 4967

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

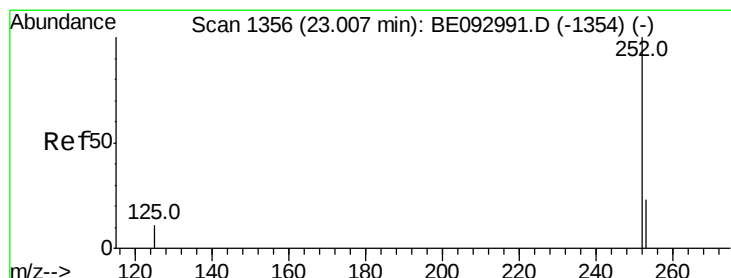
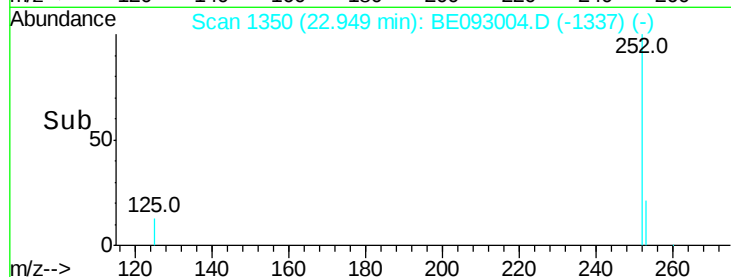
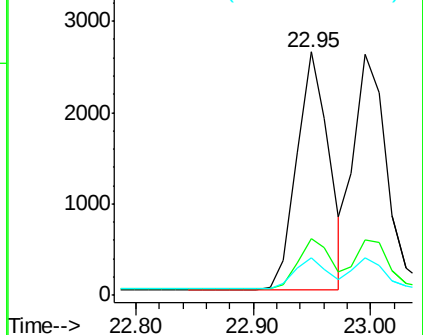
125 15.5 13.4 20.0



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: 0.40 ng

RT: 23.00 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

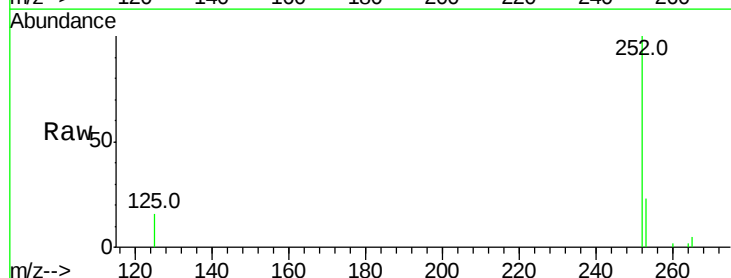
Tgt Ion:252 Resp: 4984

Ion Ratio Lower Upper

252 100

253 22.8 20.3 30.5

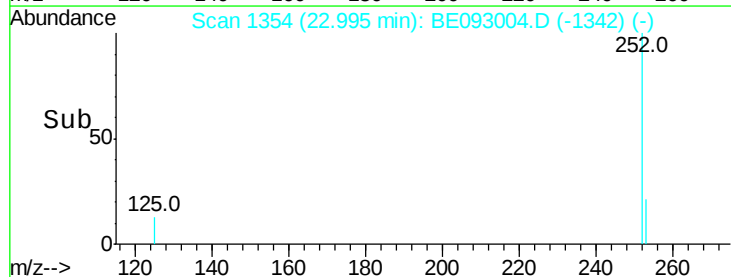
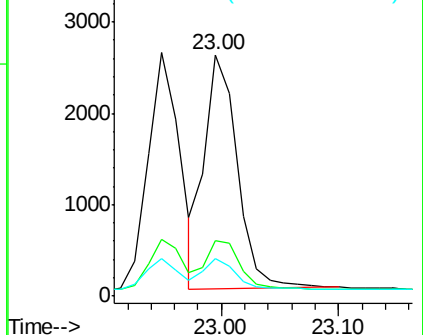
125 15.7 12.2 18.4

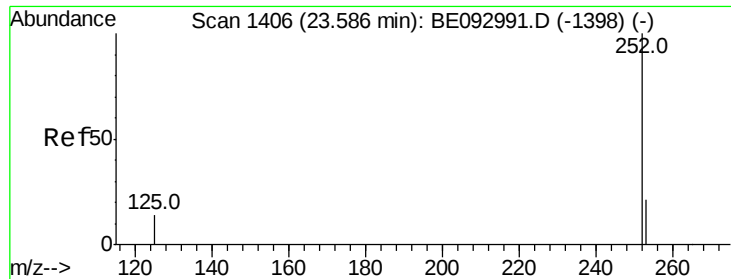


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.59 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD

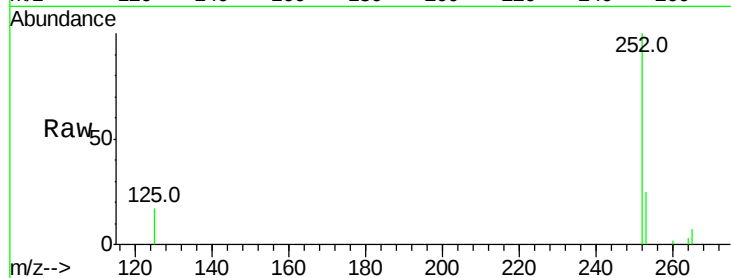
Tot Ion:252 Resp: 4297

Ion Ratio Lower Upper

252 100

253 25.4 19.9 29.9

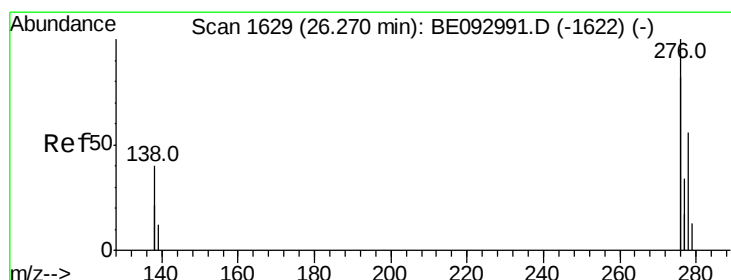
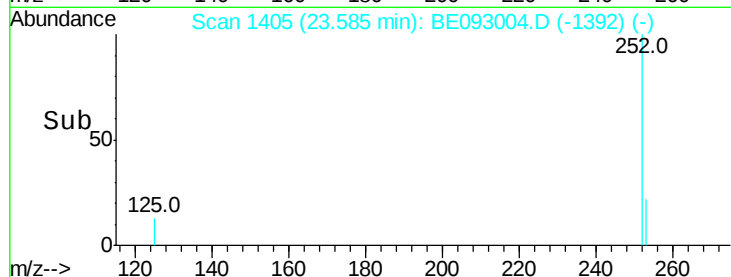
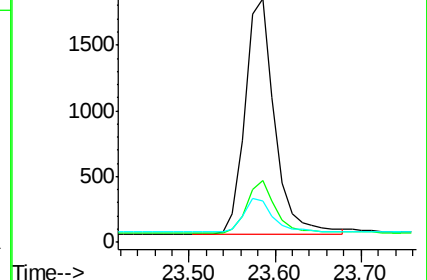
125 17.1 14.6 21.8



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: 0.43 ng

RT: 26.25 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

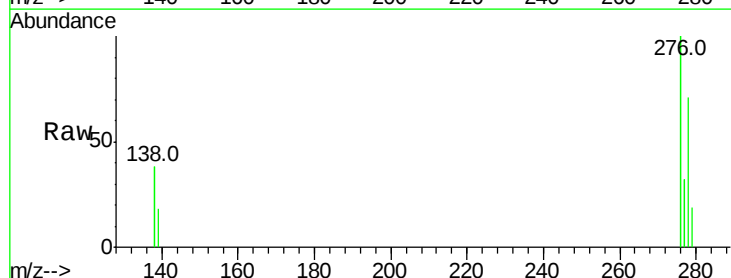
Tgt Ion:278 Resp: 4216

Ion Ratio Lower Upper

278 100

139 25.7 21.4 32.0

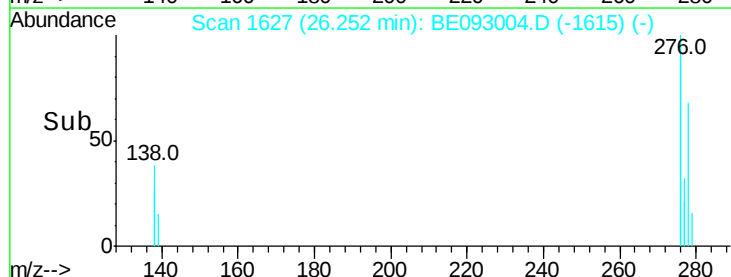
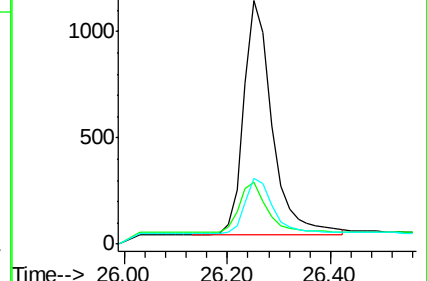
279 26.8 22.2 33.2

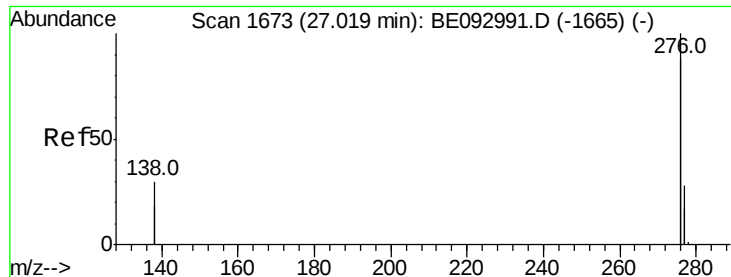


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.41 ng

RT: 27.00 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE093004.D

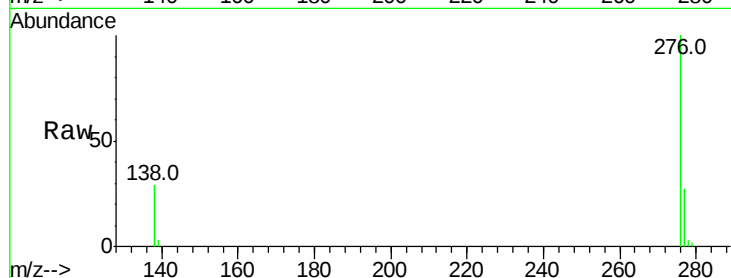
Acq: 11 May 2017 20:01

Instrument :

BNA\_E

ClientSampleId :

LF017MW003-170508MSD



Tot Ion: 276 Resp: 18006

Ion Ratio Lower Upper

276 100

277 26.6 21.2 31.8

138 29.3 24.5 36.7

