

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022417\  
 Data File : BE092757.D  
 Acq On : 24 Feb 2017 13:11  
 Operator : SJ/MA  
 Sample : PB97149BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB97149BS

Quant Time: Feb 24 15:40:30 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 15 17:05:20 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 10844    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.88 | 136  | 43918    | 5.00 | ng    | -0.02    |
| 12) Acenaphthene-d10      | 14.75 | 164  | 22927    | 5.00 | ng    | -0.02    |
| 18) Phenanthrene-d10      | 17.51 | 188  | 49966    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.68 | 240  | 67272    | 5.00 | ng    | -0.02    |
| 31) Perylene-d12          | 24.02 | 264  | 71680    | 5.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.60  | 112  | 23927    | 11.34 | ng    | -0.03    |
| 5) Phenol-d6                | 7.27  | 99   | 31814    | 12.29 | ng    | -0.05    |
| 8) Nitrobenzene-d5          | 9.27  | 82   | 13699    | 4.62  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol    | 16.24 | 330  | 7332     | 15.07 | ng    | -0.05    |
| 14) 2-Fluorobiphenyl        | 13.36 | 172  | 28127    | 5.03  | ng    | -0.03    |
| 26) Terphenyl-d14           | 20.12 | 244  | 37031    | 4.31  | ng    | -0.02    |

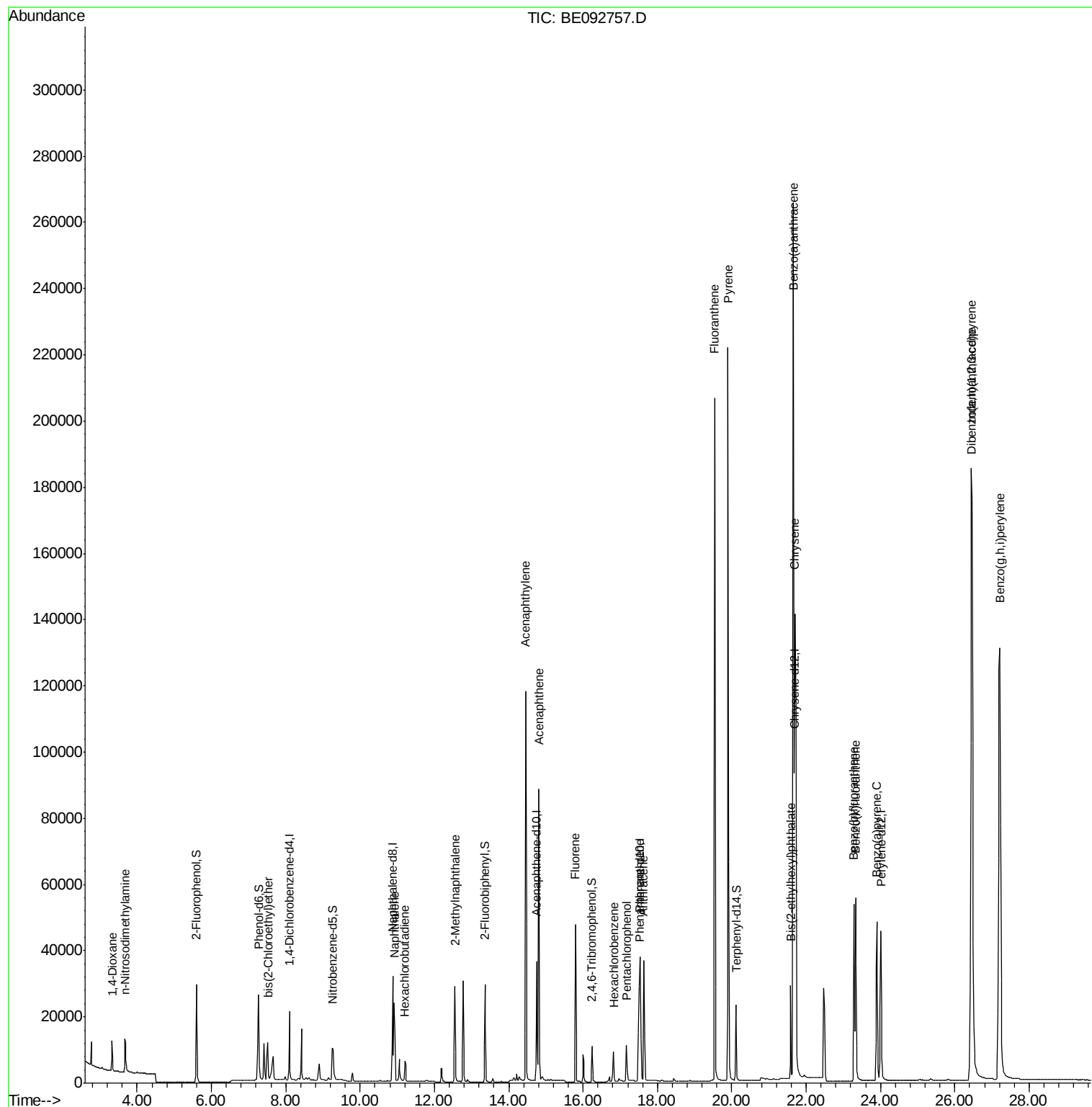
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.33  | 88   | 5006     | 3.71  | ng    | # 72   |
| 3) n-Nitrosodimethylamine      | 3.68  | 42   | 8106     | 4.09  | ng    | # 96   |
| 6) bis(2-Chloroethyl)ether     | 7.52  | 93   | 11795    | 4.12  | ng    | # 27   |
| 9) Naphthalene                 | 10.91 | 128  | 38797    | 4.08  | ng    | # 95   |
| 10) Hexachlorobutadiene        | 11.20 | 225  | 5740     | 4.11  | ng    | 99     |
| 11) 2-Methylnaphthalene        | 12.56 | 142  | 24718    | 4.14  | ng    | # 85   |
| 15) Acenaphthylene             | 14.46 | 152  | 159385   | 4.61  | ng    | 100    |
| 16) Acenaphthene               | 14.81 | 154  | 23447    | 4.66  | ng    | 92     |
| 17) Fluorene                   | 15.80 | 166  | 31221    | 4.84  | ng    | 99     |
| 19) Hexachlorobenzene          | 16.82 | 284  | 8653     | 4.48  | ng    | # 67   |
| 20) Pentachlorophenol          | 17.17 | 266  | 9623     | 16.68 | ng    | # 86   |
| 21) Phenanthrene               | 17.53 | 178  | 51296    | 4.32  | ng    | # 94   |
| 22) Anthracene                 | 17.63 | 178  | 51328    | 4.70  | ng    | 98     |
| 23) Fluoranthene               | 19.54 | 202  | 243722   | 4.79  | ng    | 99     |
| 25) Pyrene                     | 19.90 | 202  | 257787   | 4.02  | ng    | 100    |
| 27) Benzo(a)anthracene         | 21.66 | 228  | 275935m  | 4.23  | ng    |        |
| 28) Chrysene                   | 21.70 | 228  | 229758m  | 2.97  | ng    |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 32732    | 3.65  | ng    | # 67   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.44 | 276  | 384446   | 4.79  | ng    | 98     |
| 32) Benzo(b)fluoranthene       | 23.29 | 252  | 74519    | 3.96  | ng    | # 95   |
| 33) Benzo(k)fluoranthene       | 23.33 | 252  | 75115    | 3.75  | ng    | 94     |
| 34) Benzo(a)pyrene             | 23.90 | 252  | 76494    | 4.15  | ng    | # 95   |
| 35) Dibenzo(a,h)anthracene     | 26.46 | 278  | 79703    | 4.40  | ng    | 93     |
| 36) Benzo(g,h,i)perylene       | 27.21 | 276  | 331002   | 4.41  | ng    | 97     |

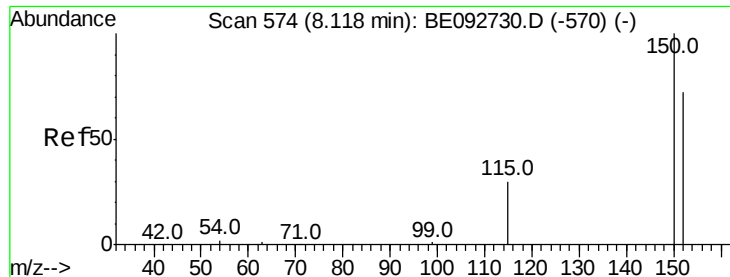
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

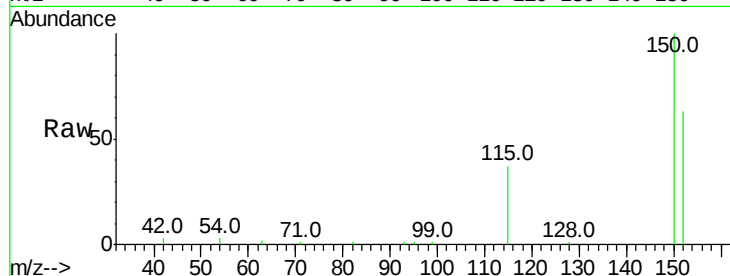
Tot Ion:152 Resp: 10844

Ion Ratio Lower Upper

152 100

150 157.6 106.0 159.0

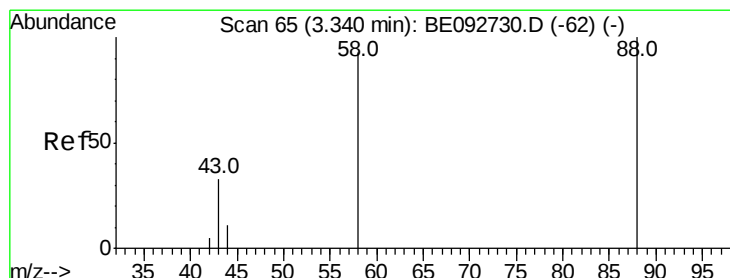
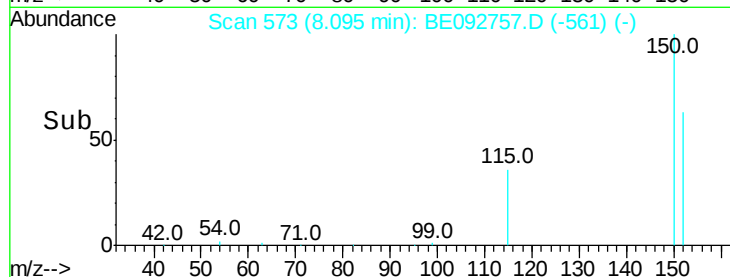
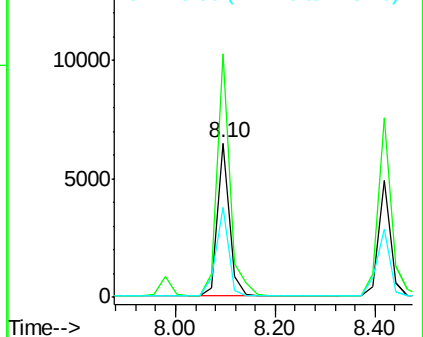
115 57.9 31.2 46.8#



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: 3.71 ng

RT: 3.33 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

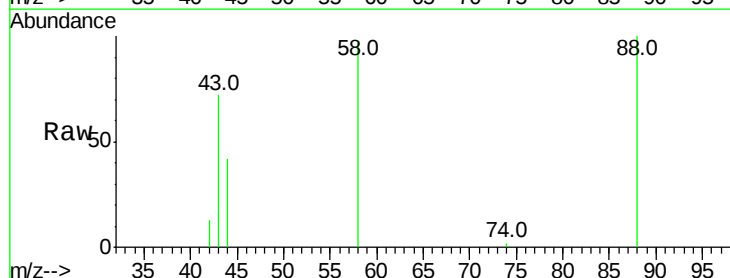
Tgt Ion: 88 Resp: 5006

Ion Ratio Lower Upper

88 100

58 95.5 63.6 95.4#

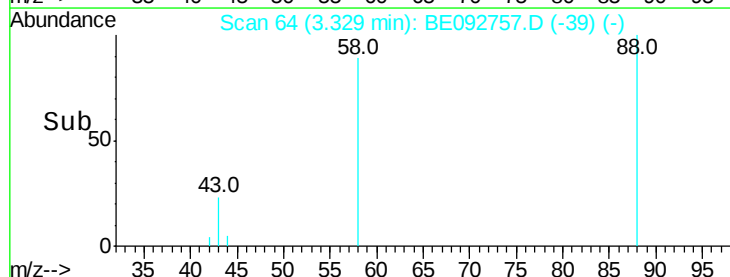
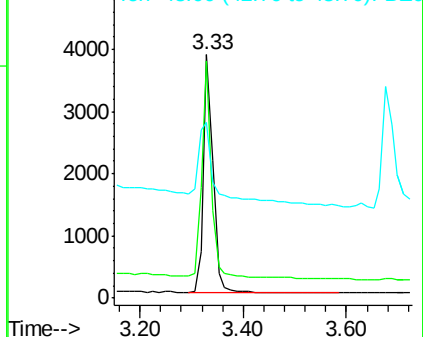
43 64.7 28.0 42.0#

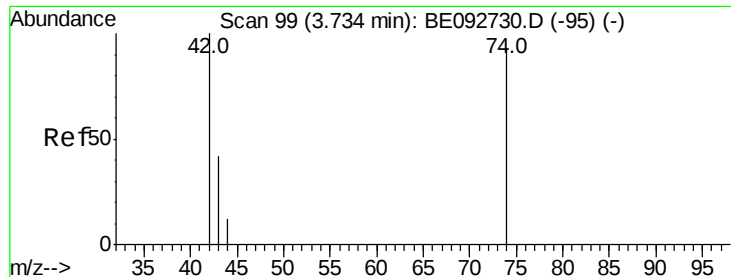


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



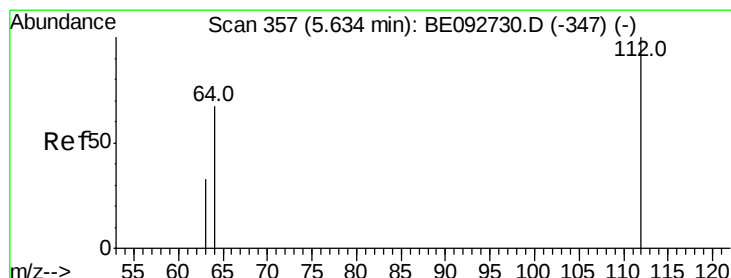
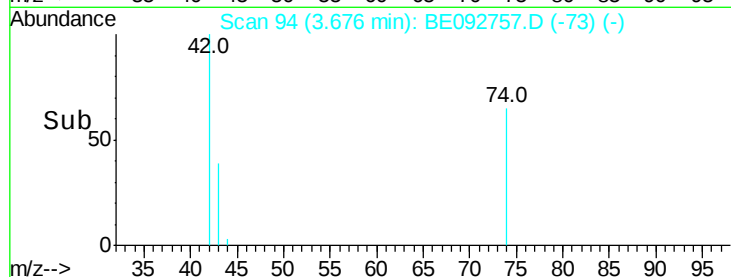
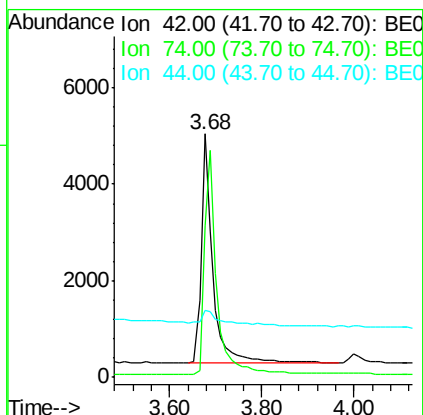
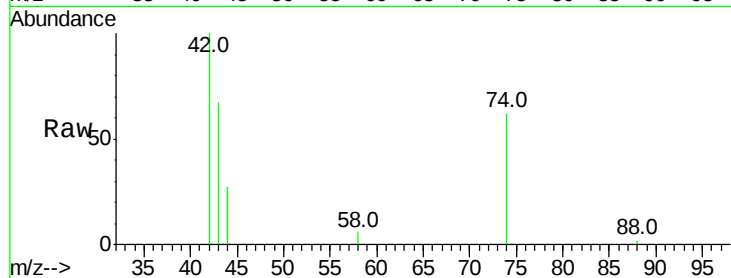


#3

n-Nitrosodimethylamine  
 Concen: 4.09 ng  
 RT: 3.68 min Scan# 94  
 Delta R.T. -0.06 min  
 Lab File: BE092757.D  
 Acq: 24 Feb 2017 13:11

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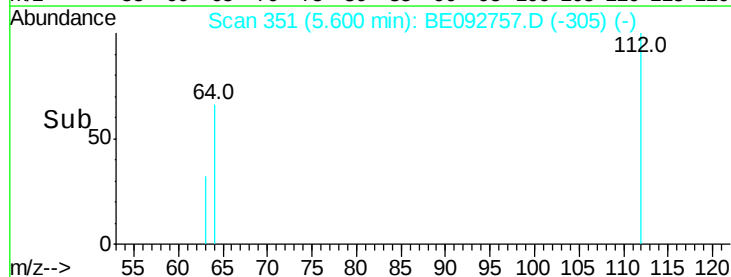
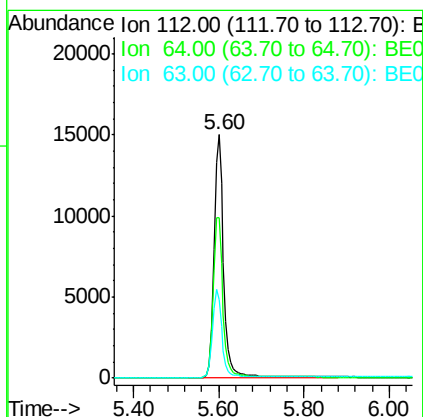
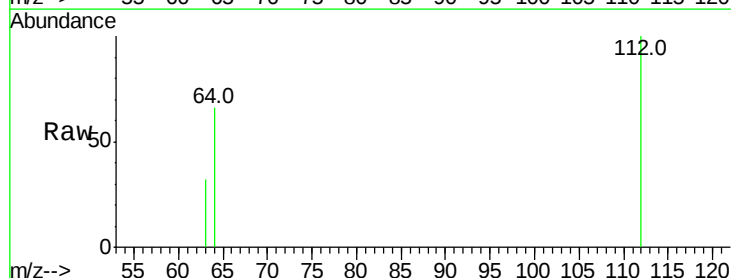
Tot Ion: 42 Resp: 8106  
 Ion Ratio Lower Upper  
 42 100  
 74 110.4 86.0 129.0  
 44 11.9 5.1 7.7#

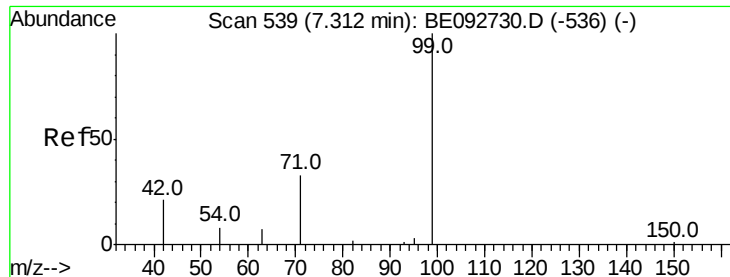


#4

2-Fluorophenol  
 Concen: 11.34 ng  
 RT: 5.60 min Scan# 351  
 Delta R.T. -0.03 min  
 Lab File: BE092757.D  
 Acq: 24 Feb 2017 13:11

Tgt Ion: 112 Resp: 23927  
 Ion Ratio Lower Upper  
 112 100  
 64 67.8 53.5 80.3  
 63 36.0 27.9 41.9





#5

Phenol-d6

Concen: 12.29 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

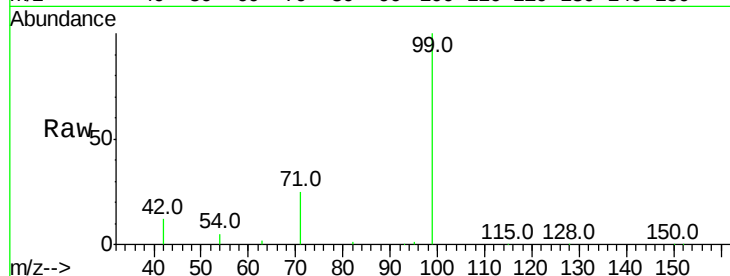
Tot Ion: 99 Resp: 31814

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

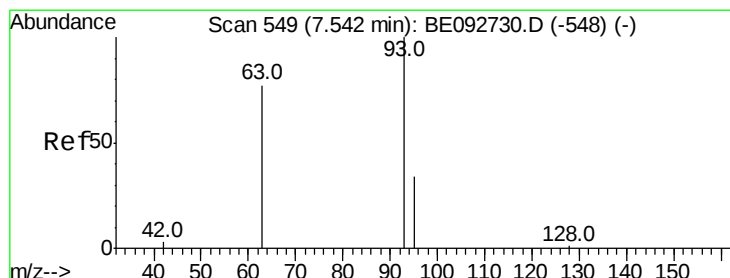
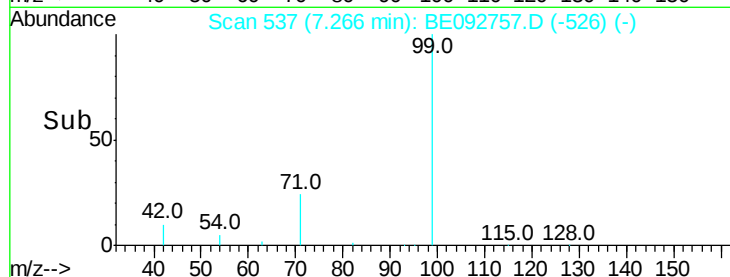
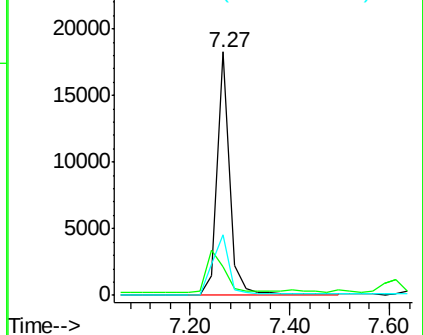
71 32.4 30.6 45.8



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: 4.12 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

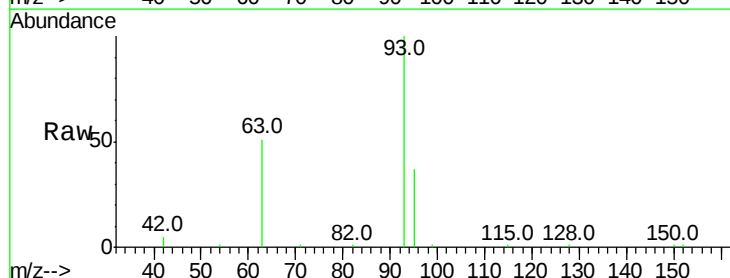
Tgt Ion: 93 Resp: 11795

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

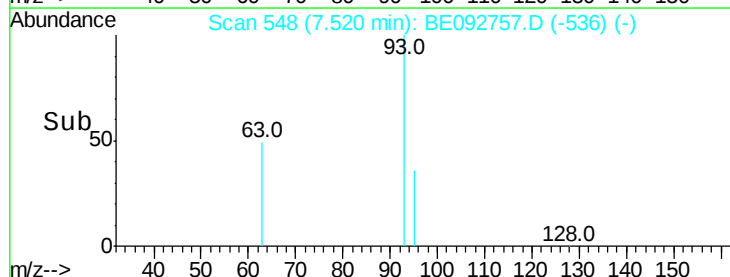
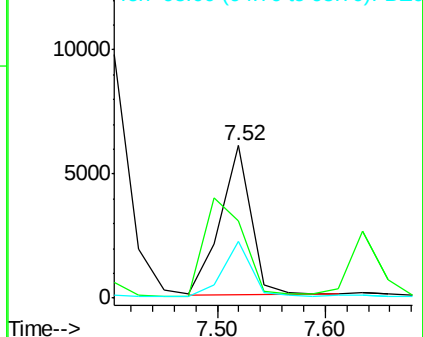
95 33.7 24.0 36.0

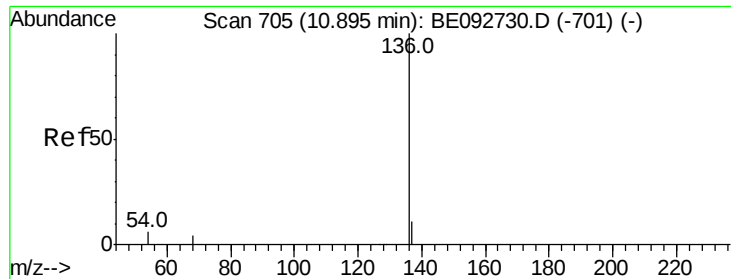


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

Tot Ion:136 Resp: 43918

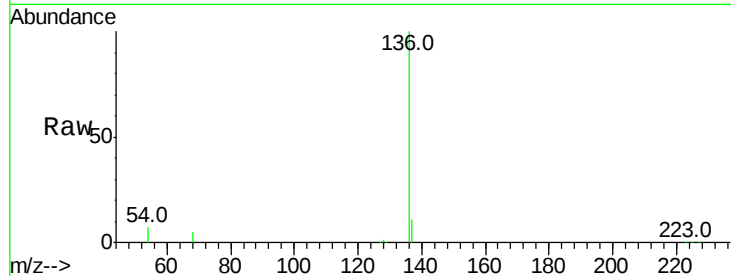
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 7.0 9.6 14.4#

68 5.4 6.7 10.1#

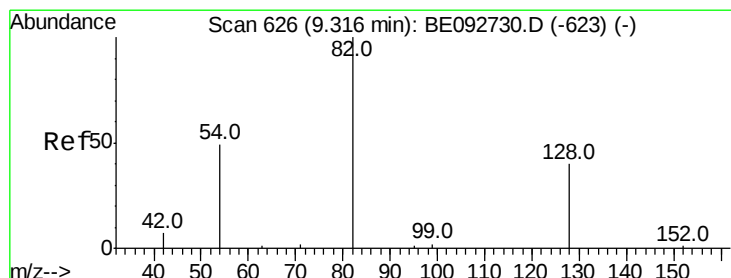
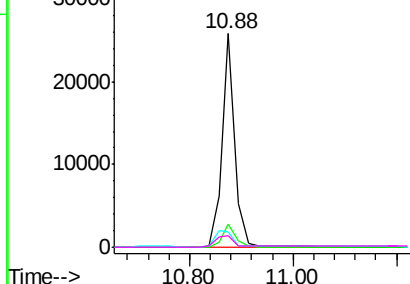
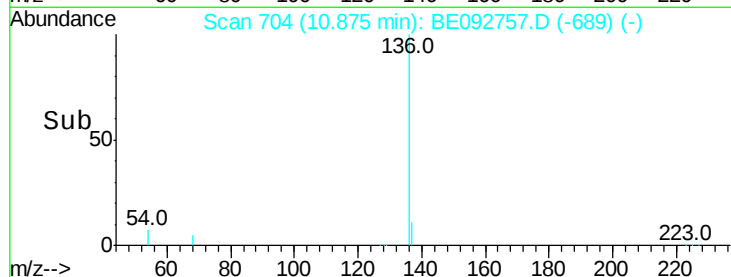


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.62 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

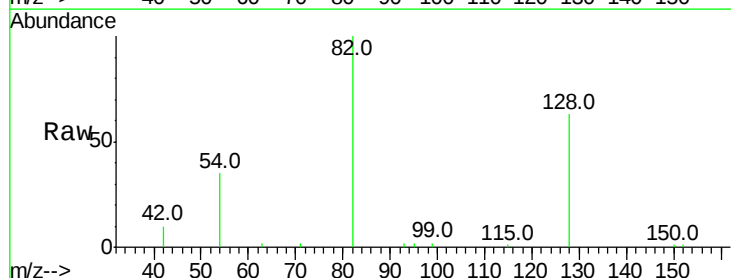
Tgt Ion: 82 Resp: 13699

Ion Ratio Lower Upper

82 100

128 63.0 39.0 58.4#

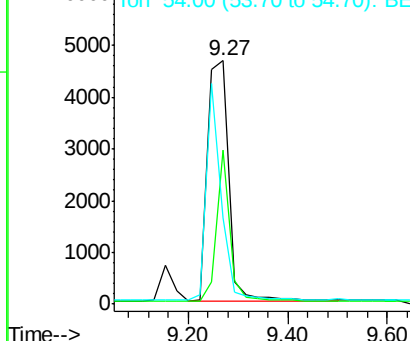
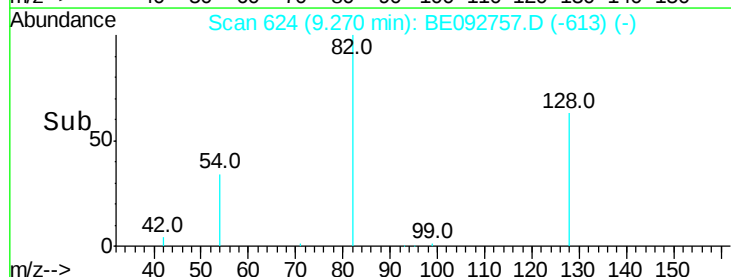
54 35.5 44.8 67.2#

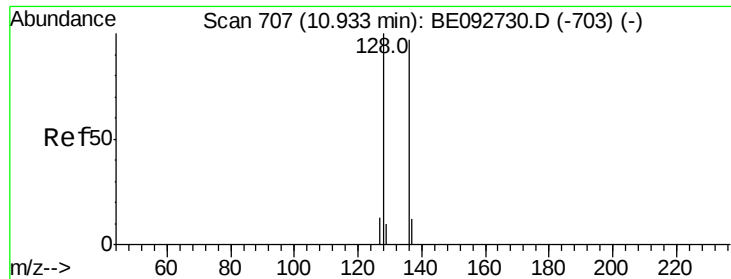


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.08 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

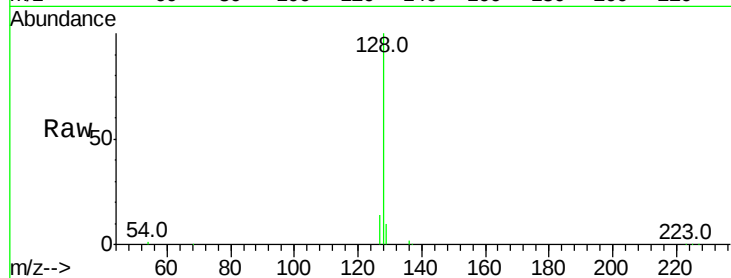
Tot Ion:128 Resp: 38797

Ion Ratio Lower Upper

128 100

129 10.4 11.2 16.8#

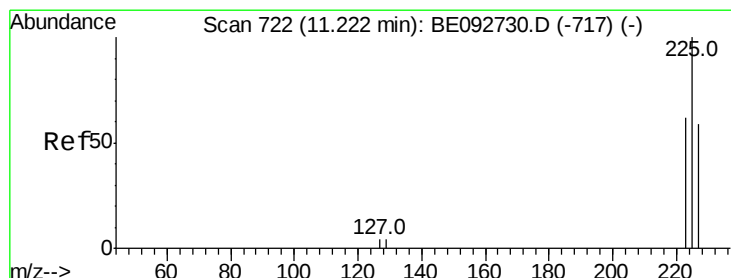
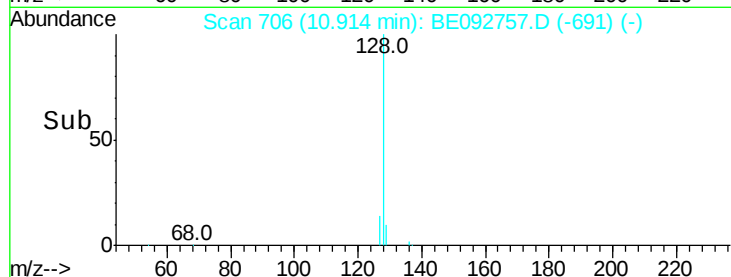
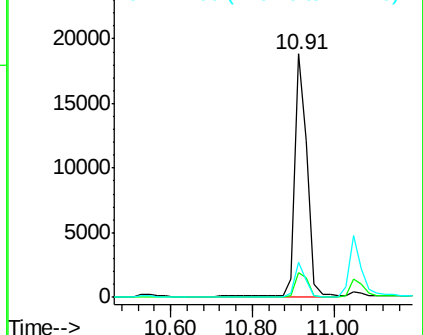
127 14.4 11.6 17.4



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: 4.11 ng

RT: 11.20 min Scan# 721

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

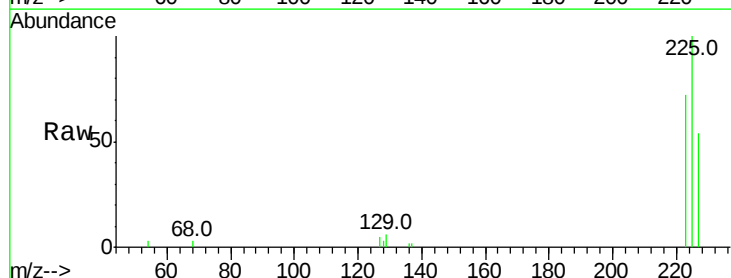
Tgt Ion:225 Resp: 5740

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

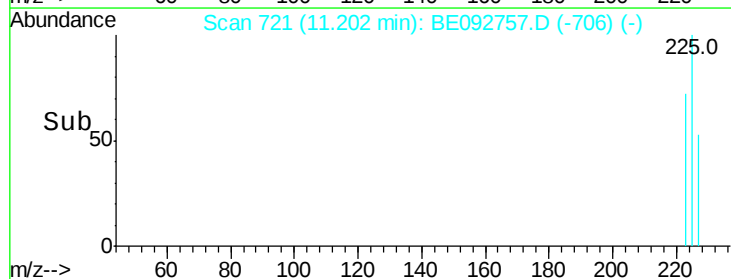
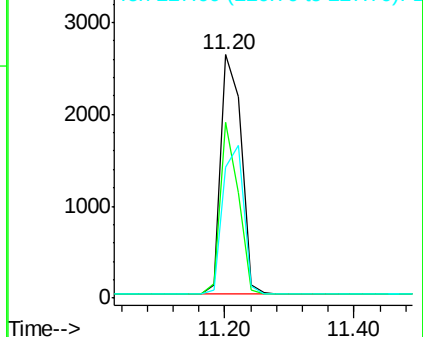
227 63.3 51.4 77.0

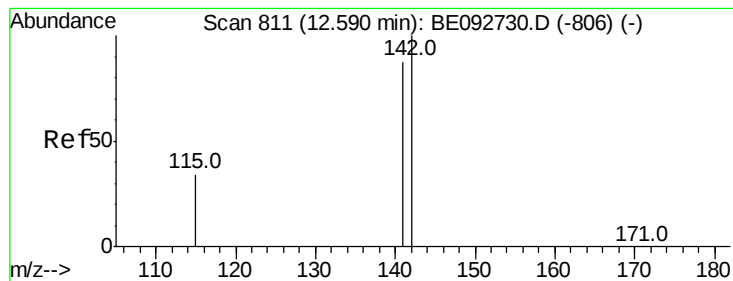


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 4.14 ng

RT: 12.56 min Scan# 808

Delta R.T. -0.03 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

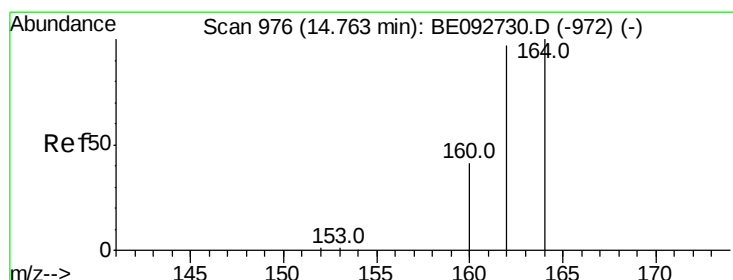
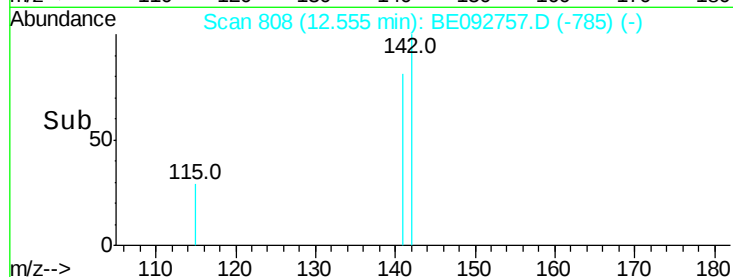
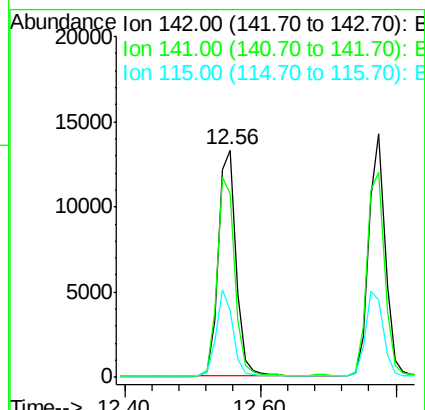
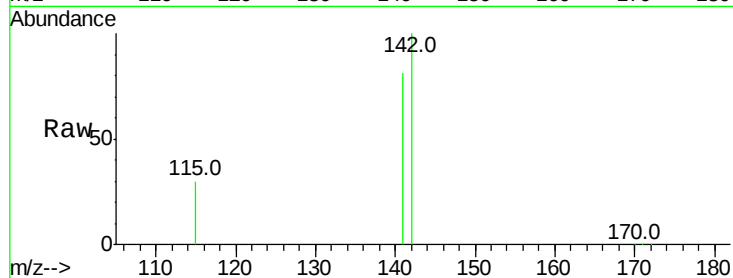
Tot Ion:142 Resp: 24718

Ion Ratio Lower Upper

142 100

141 80.6 73.7 110.5

115 29.5 34.0 51.0#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 975

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

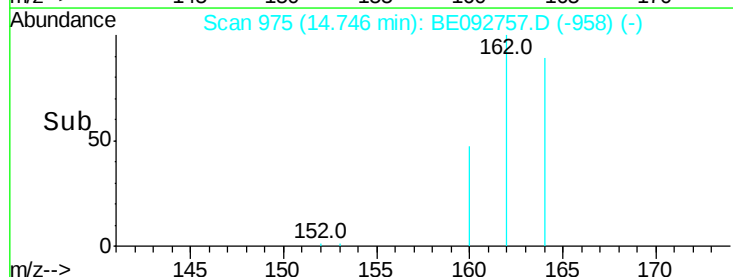
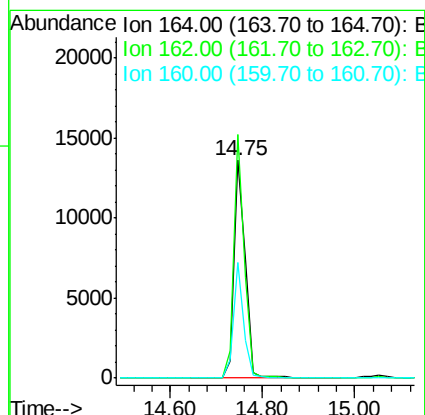
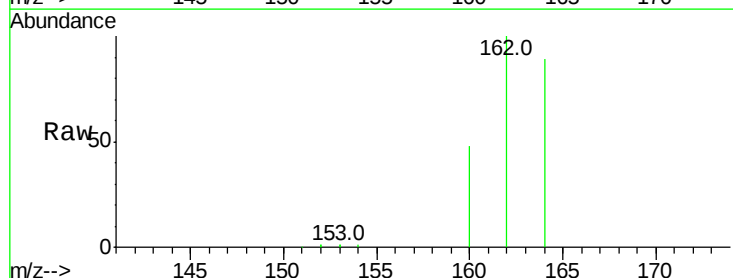
Tgt Ion:164 Resp: 22927

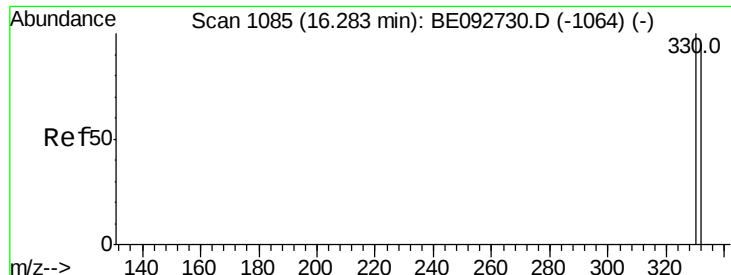
Ion Ratio Lower Upper

164 100

162 111.8 71.4 107.0#

160 53.3 27.4 41.2#

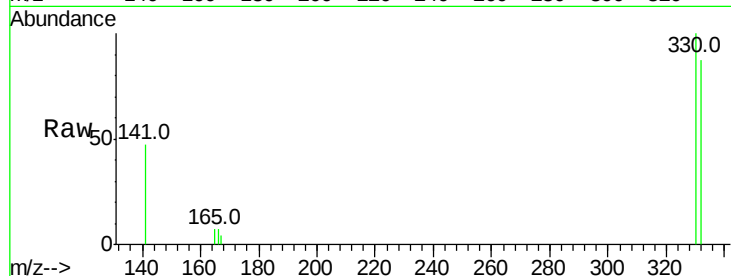




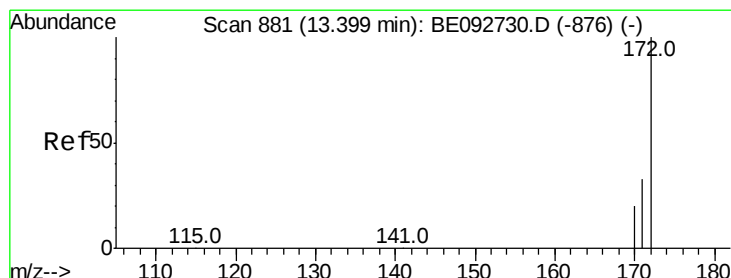
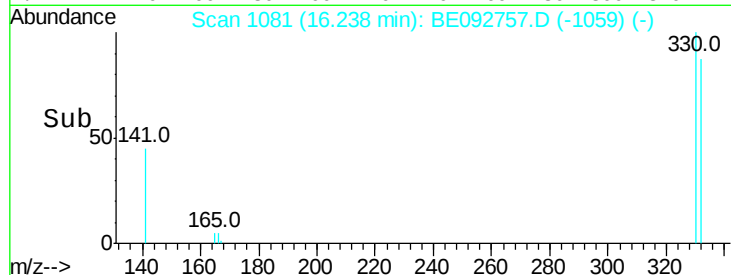
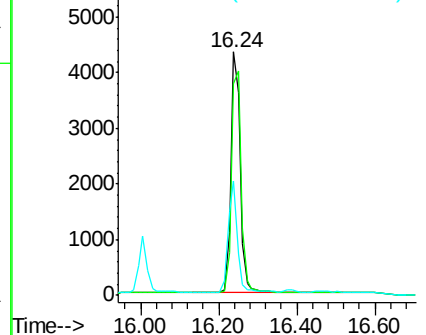
#13  
 2,4,6-Tribromophenol  
 Concen: 15.07 ng  
 RT: 16.24 min Scan# 1081  
 Delta R.T. -0.05 min  
 Lab File: BE092757.D  
 Acq: 24 Feb 2017 13:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB97149BS

Tot Ion:330 Resp: 7332  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 75.4 113.0  
 141 43.6 31.0 46.6

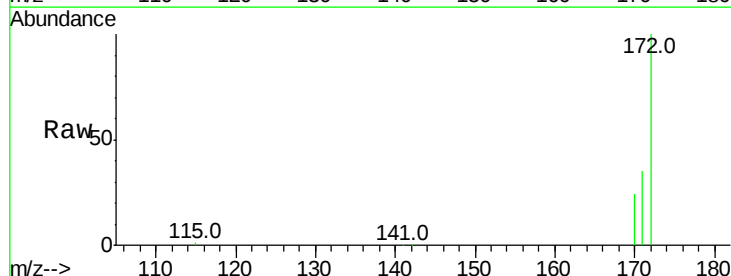


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

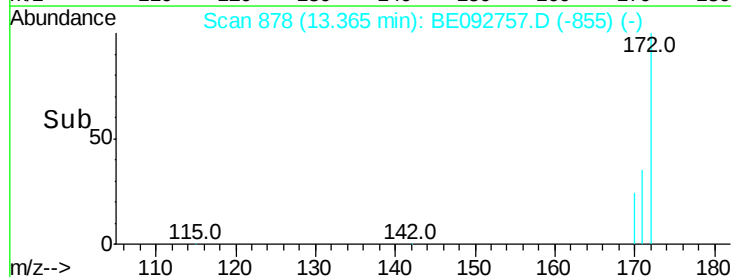
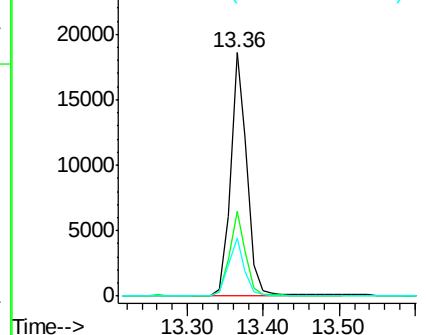


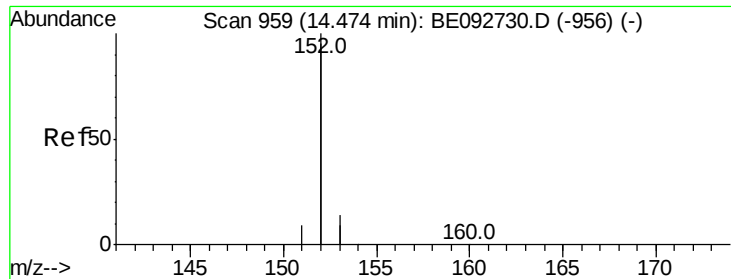
#14  
 2-Fluorobiphenyl  
 Concen: 5.03 ng  
 RT: 13.36 min Scan# 878  
 Delta R.T. -0.03 min  
 Lab File: BE092757.D  
 Acq: 24 Feb 2017 13:11

Tgt Ion:172 Resp: 28127  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 30.1 45.1  
 170 24.0 21.8 32.6



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





#15

Acenaphthylene

Concen: 4.61 ng

RT: 14.46 min Scan# 958

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

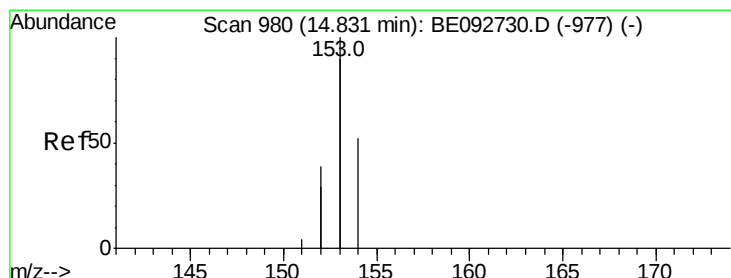
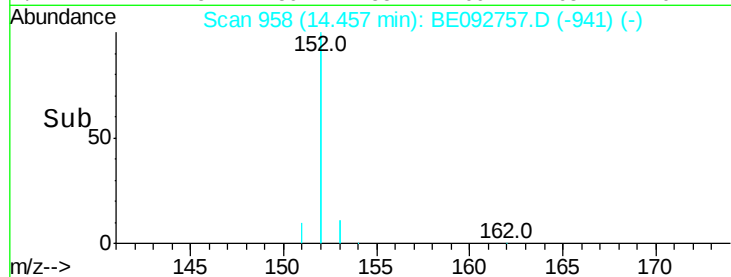
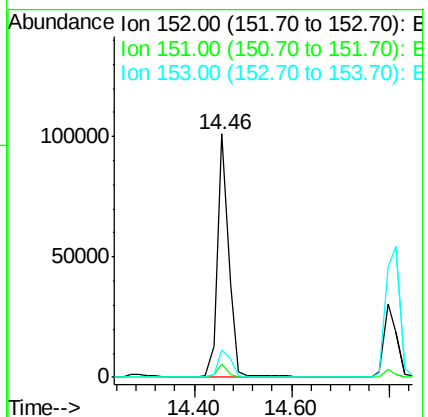
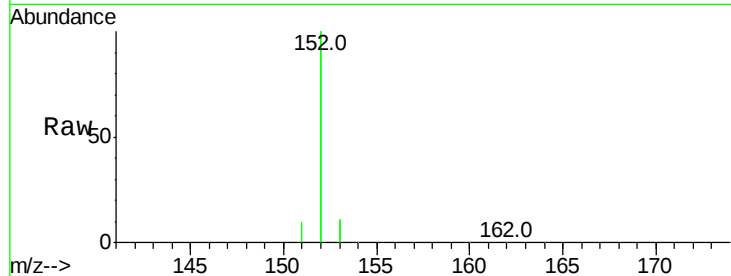
Tot Ion:152 Resp: 159385

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 12.9 10.4 15.6



#16

Acenaphthene

Concen: 4.66 ng

RT: 14.81 min Scan# 979

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

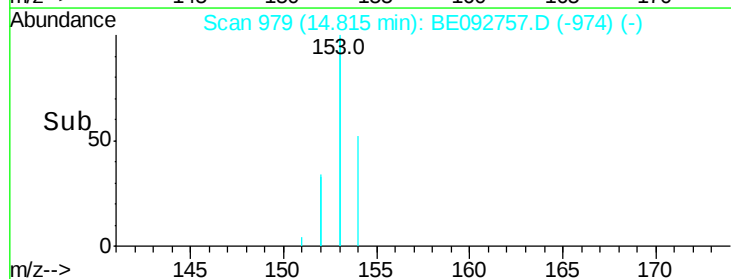
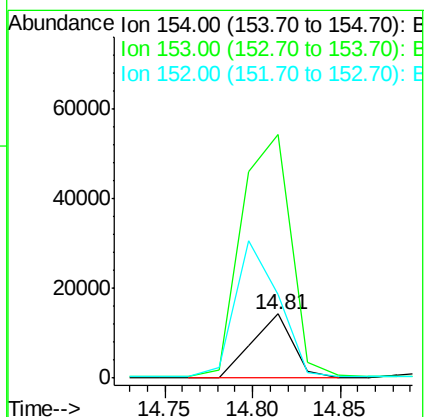
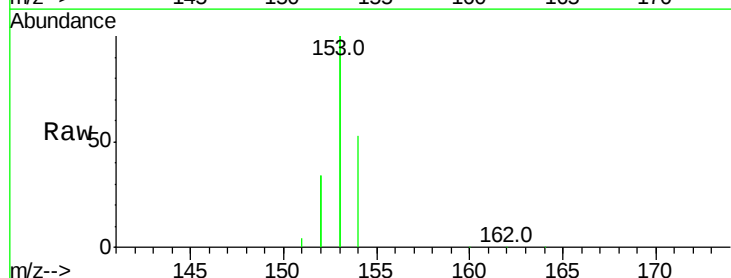
Tgt Ion:154 Resp: 23447

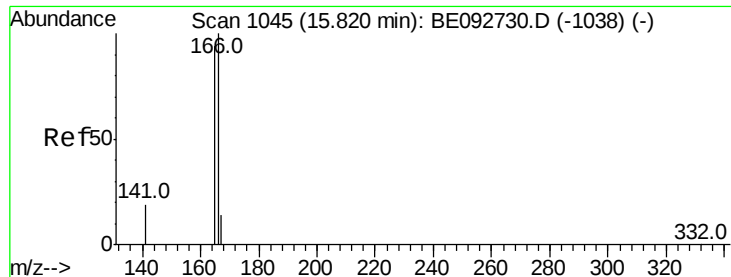
Ion Ratio Lower Upper

154 100

153 458.5 350.8 526.2

152 225.4 171.1 256.7

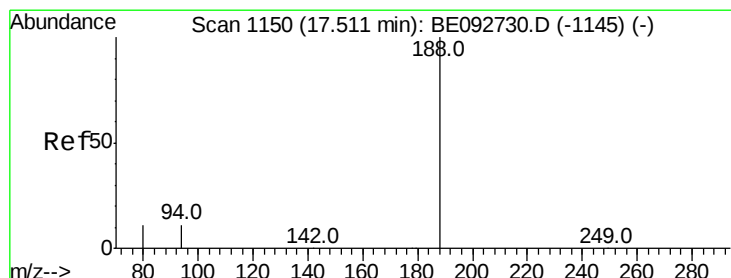
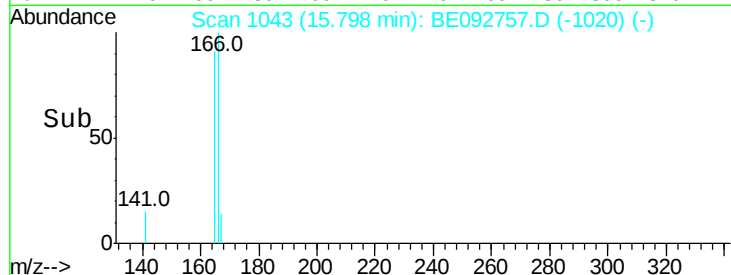
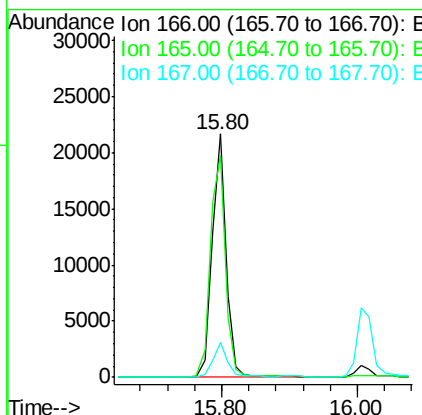
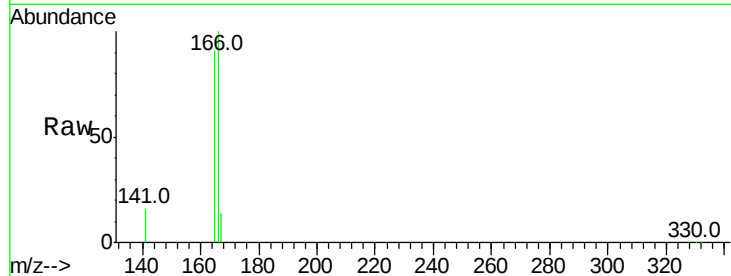




#17  
Fluorene  
Concen: 4.84 ng  
RT: 15.80 min Scan# 1043  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

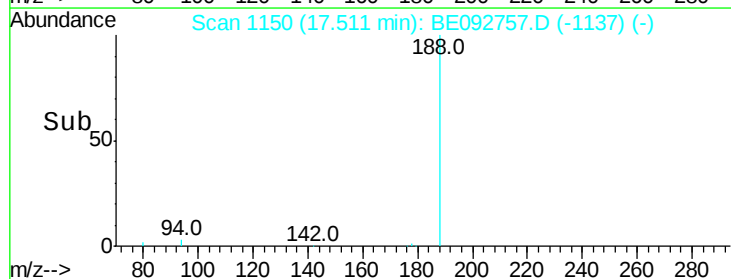
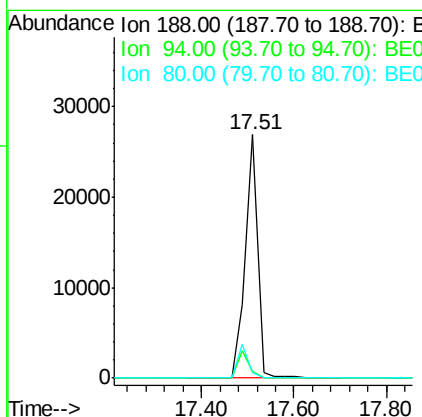
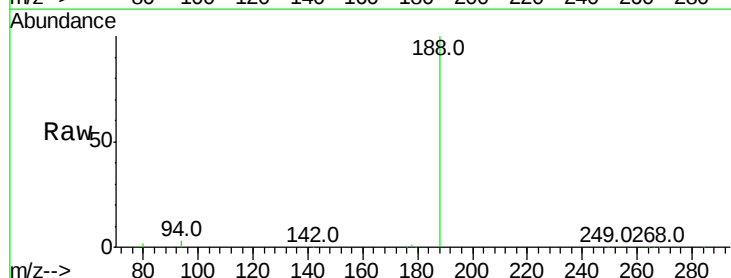
Instrument :  
BNA\_E  
ClientSampleId :  
PB97149BS

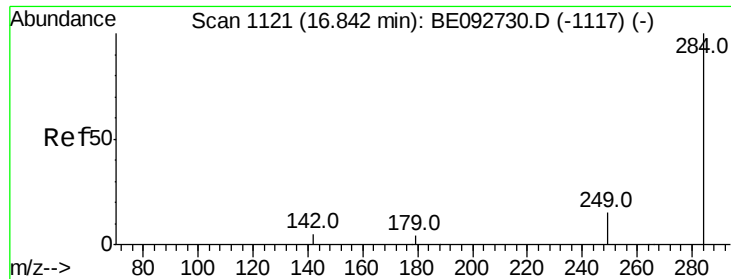
Tot Ion:166 Resp: 31221  
Ion Ratio Lower Upper  
166 100  
165 98.4 78.2 117.4  
167 13.5 11.0 16.4



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.51 min Scan# 1150  
Delta R.T. 0.00 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

Tgt Ion:188 Resp: 49966  
Ion Ratio Lower Upper  
188 100  
94 3.0 3.2 4.8#  
80 2.4 2.6 3.8#





#19

Hexachlorobenzene

Concen: 4.48 ng

RT: 16.82 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

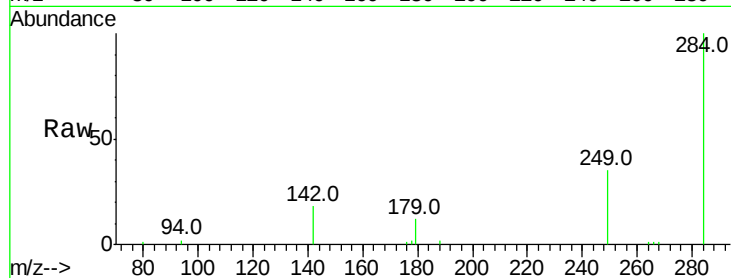
Tot Ion:284 Resp: 8653

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

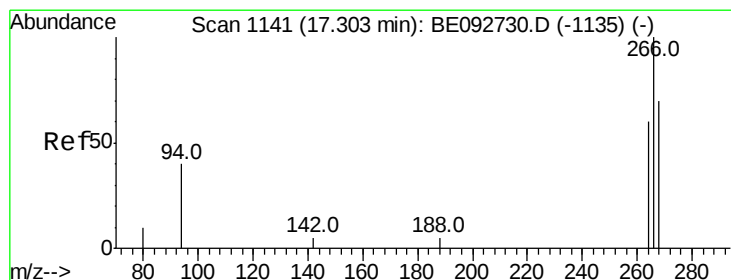
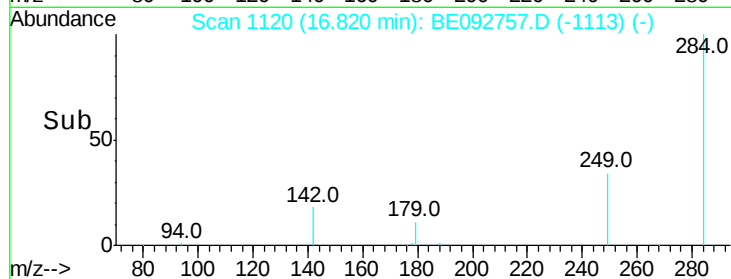
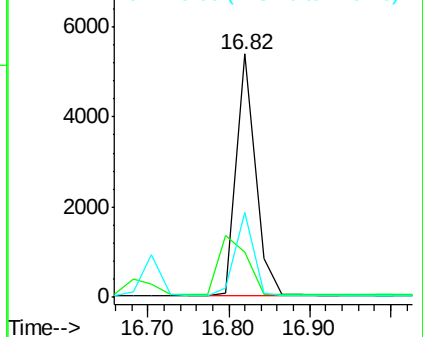
249 32.8 27.9 41.9



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



#20

Pentachlorophenol

Concen: 16.68 ng

RT: 17.17 min Scan# 1135

Delta R.T. -0.14 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

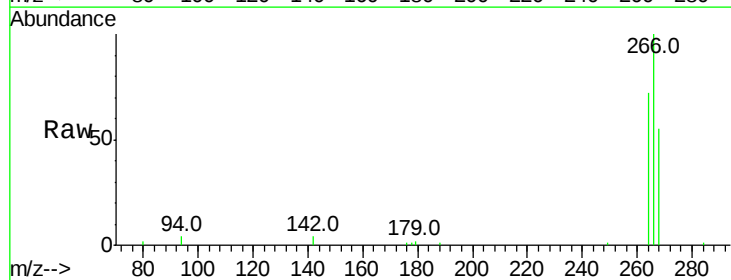
Tgt Ion:266 Resp: 9623

Ion Ratio Lower Upper

266 100

268 55.4 62.5 93.7#

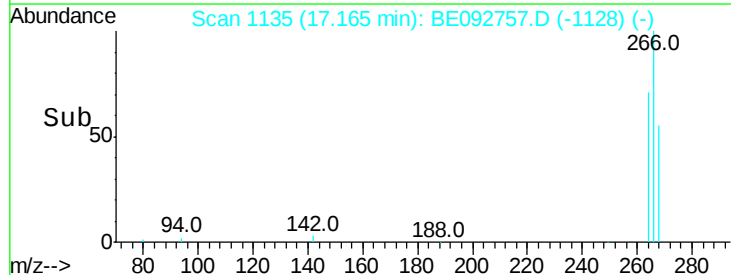
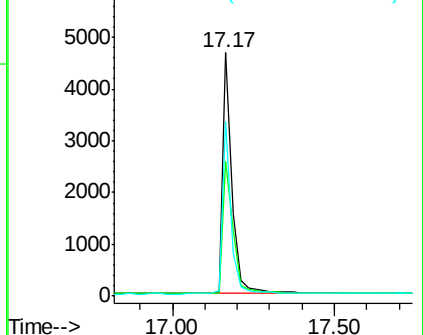
264 71.7 57.2 85.8

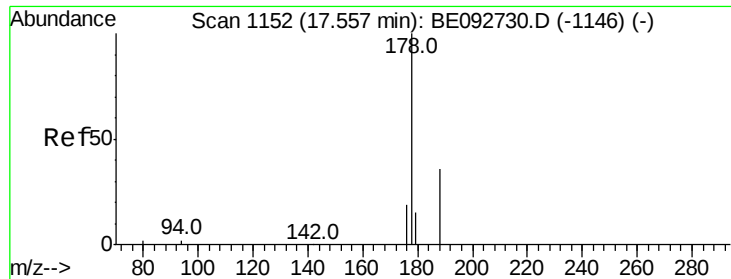


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

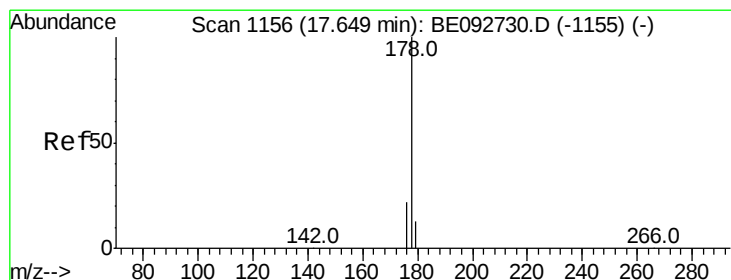
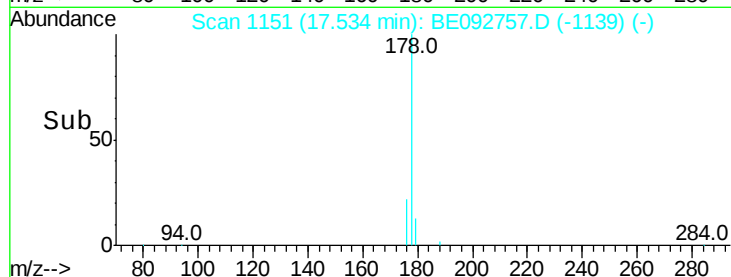
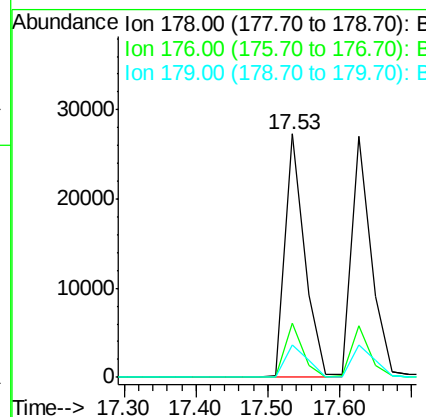
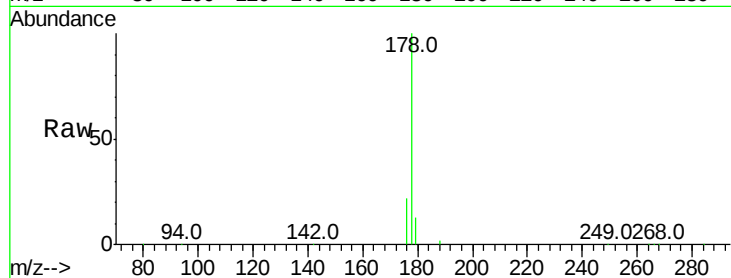




#21  
Phenanthrene  
Concen: 4.32 ng  
RT: 17.53 min Scan# 1151  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

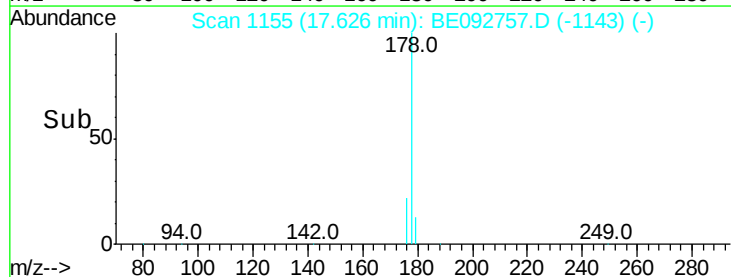
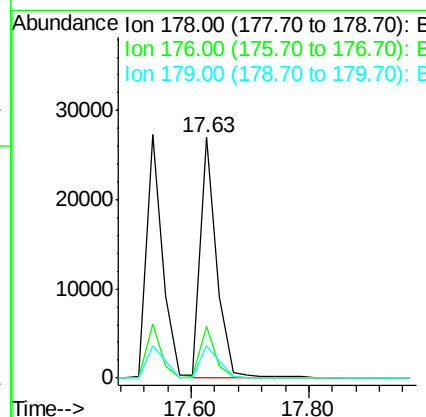
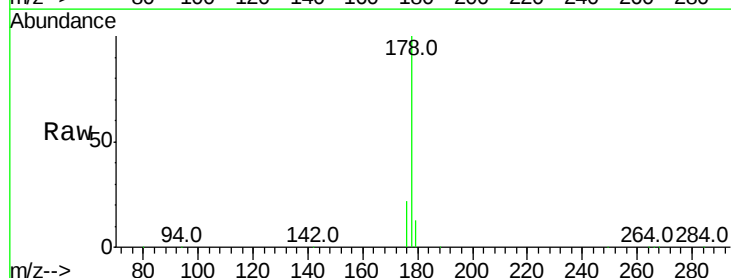
Instrument :  
BNA\_E  
ClientSampleId :  
PB97149BS

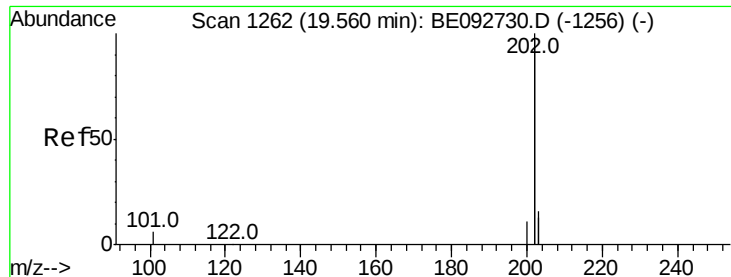
Tot Ion:178 Resp: 51296  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.8 23.8  
179 14.9 16.0 24.0#



#22  
Anthracene  
Concen: 4.70 ng  
RT: 17.63 min Scan# 1155  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

Tgt Ion:178 Resp: 51328  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.0 22.4  
179 14.8 12.2 18.2





#23

Fluoranthene

Concen: 4.79 ng

RT: 19.54 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

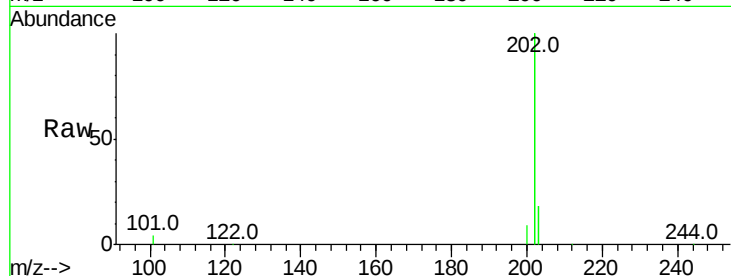
Tot Ion:202 Resp: 243722

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

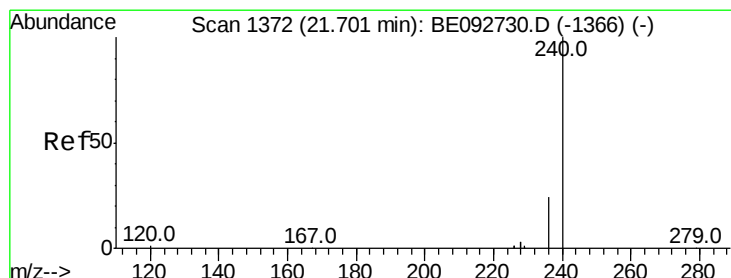
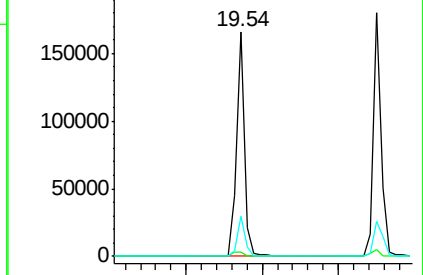
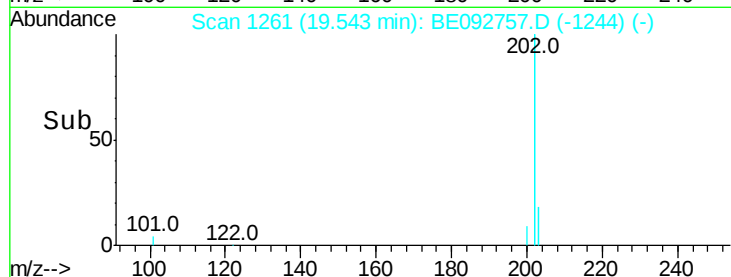
203 17.4 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1371

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

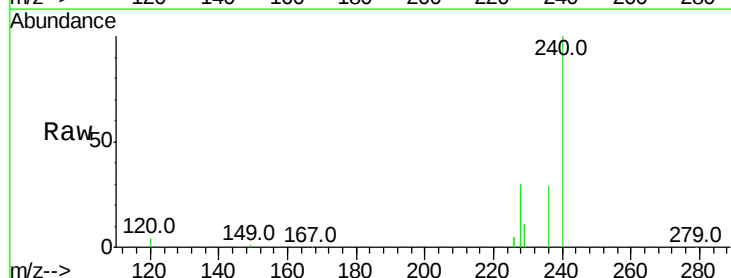
Tgt Ion:240 Resp: 67272

Ion Ratio Lower Upper

240 100

120 4.5 2.6 4.0#

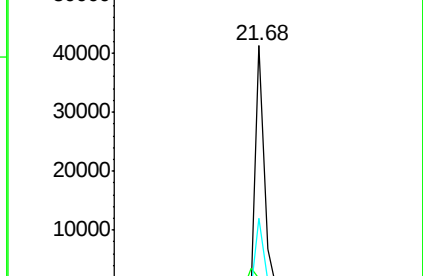
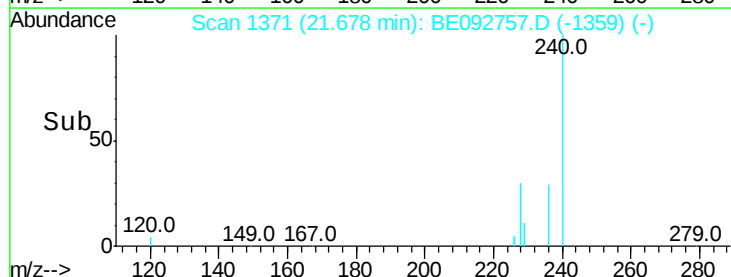
236 29.3 24.6 37.0

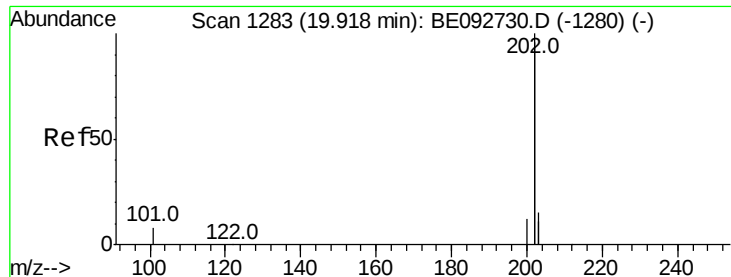


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

Concen: 4.02 ng

RT: 19.90 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

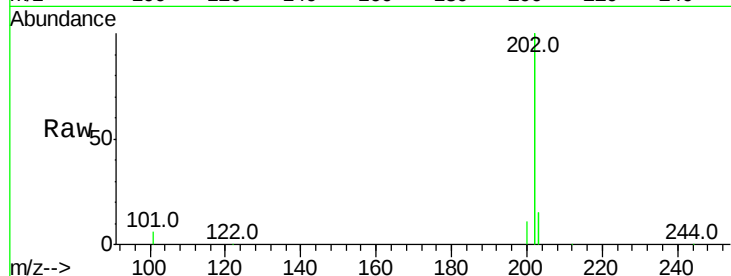
Tot Ion:202 Resp: 257787

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

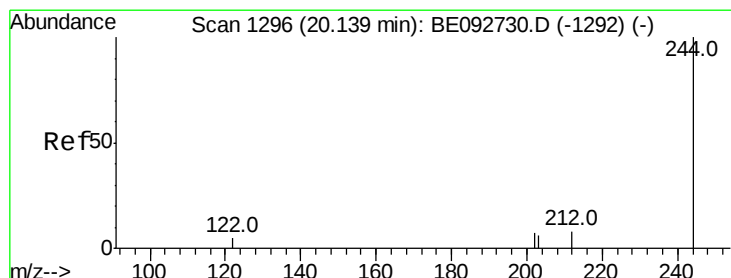
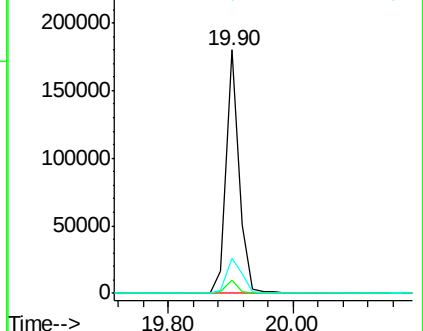
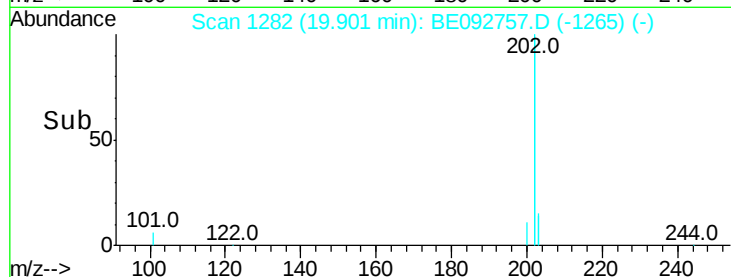
203 17.3 13.9 20.9



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



#26

Terphenyl-d14

Concen: 4.31 ng

RT: 20.12 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

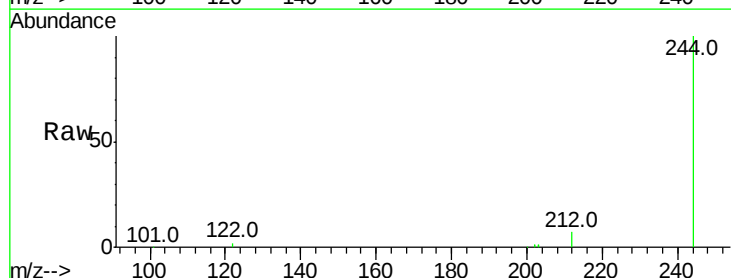
Tgt Ion:244 Resp: 37031

Ion Ratio Lower Upper

244 100

212 6.7 6.7 10.1#

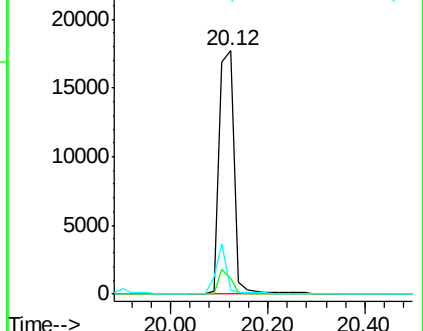
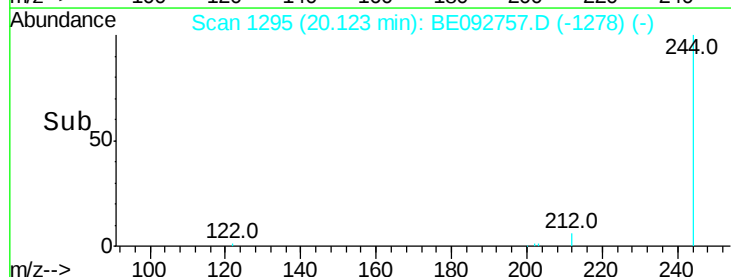
122 1.5 3.6 5.4#

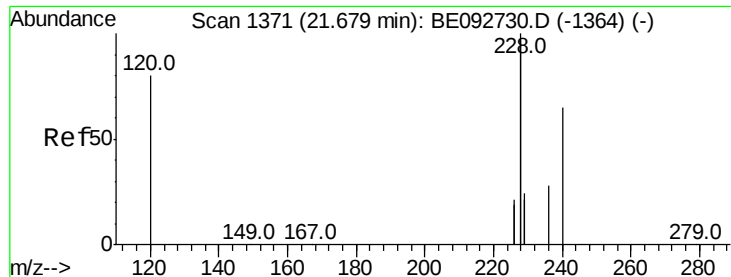


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

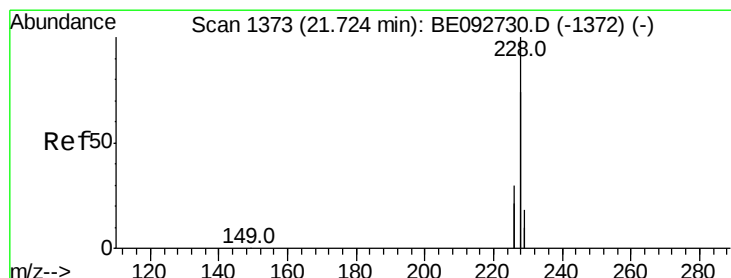
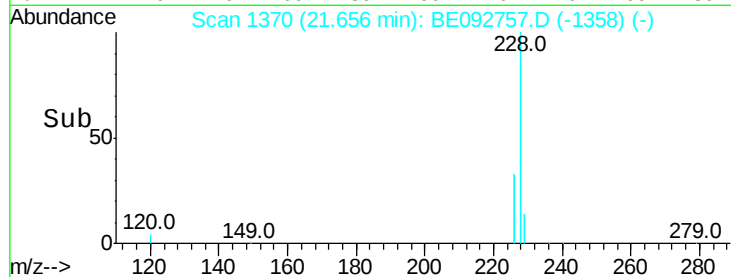
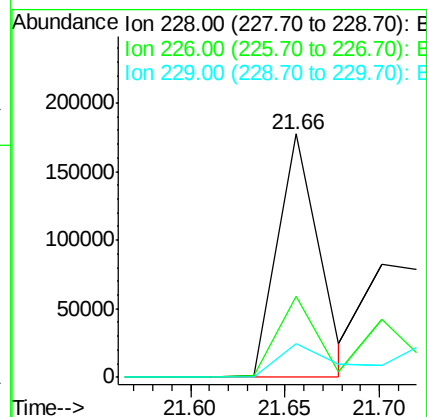
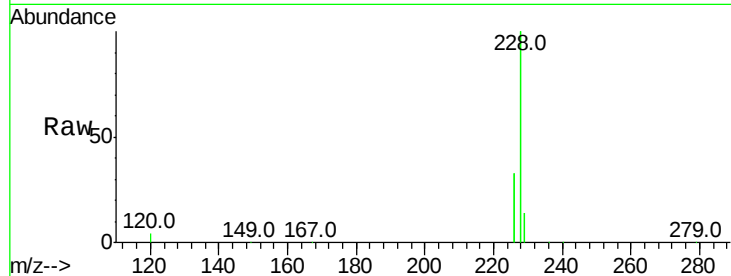




#27  
Benzo(a)anthracene  
Concen: 4.23 ng m  
RT: 21.66 min Scan# 1370  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

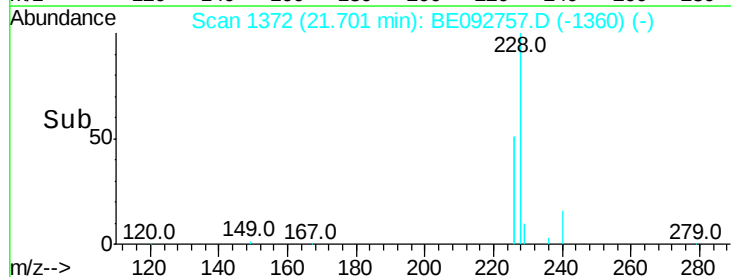
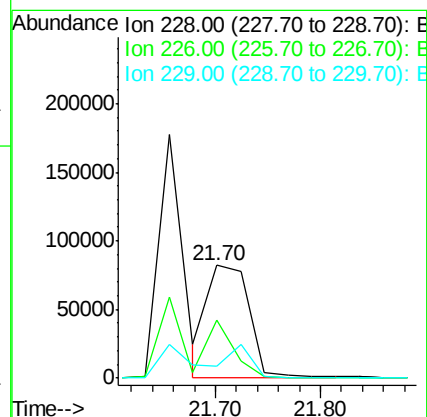
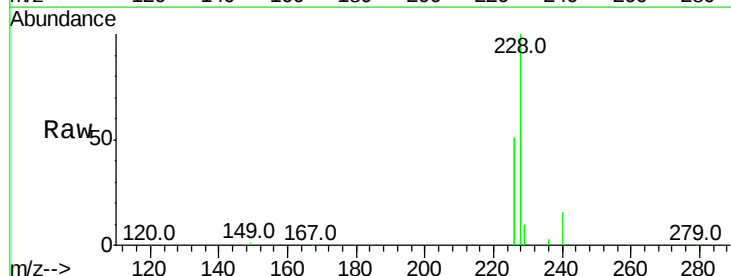
Instrument :  
BNA\_E  
ClientSampleId :  
PB97149BS

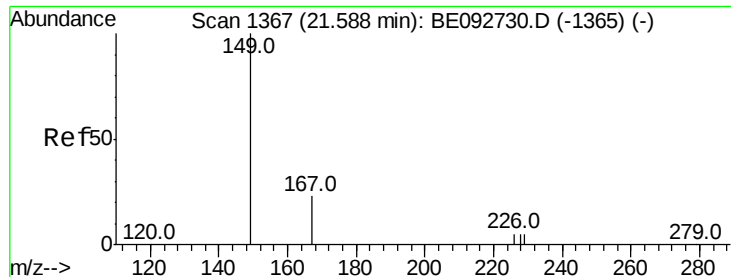
Tot Ion:228 Resp: 275935  
Ion Ratio Lower Upper  
228 100  
226 33.3 23.6 35.4  
229 14.0 13.3 19.9



#28  
Chrysene  
Concen: 2.97 ng m  
RT: 21.70 min Scan# 1372  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

Tgt Ion:228 Resp: 229758  
Ion Ratio Lower Upper  
228 100  
226 51.3 36.3 54.5  
229 10.1 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.65 ng

RT: 21.59 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

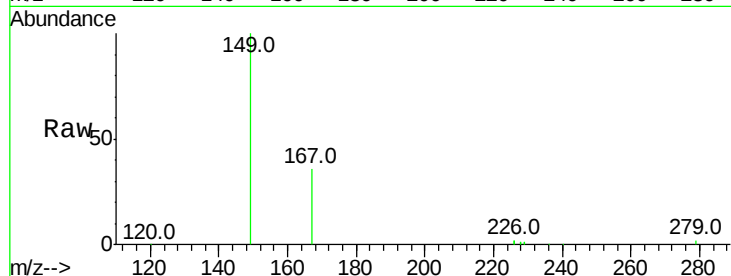
Tot Ion:149 Resp: 32732

Ion Ratio Lower Upper

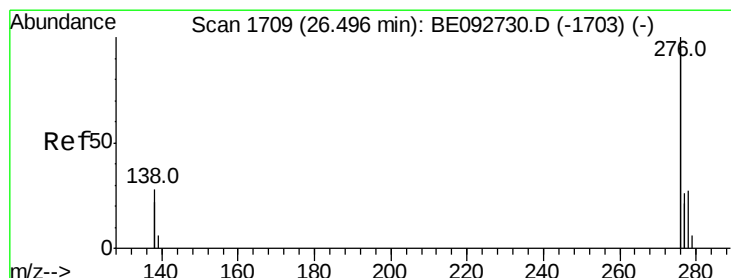
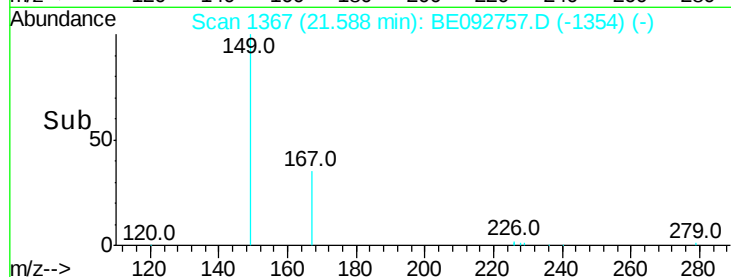
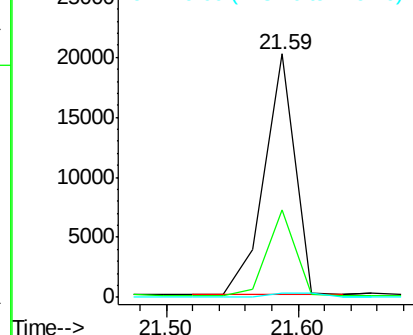
149 100

167 32.5 16.0 24.0#

279 2.3 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 4.79 ng

RT: 26.44 min Scan# 1706

Delta R.T. -0.05 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

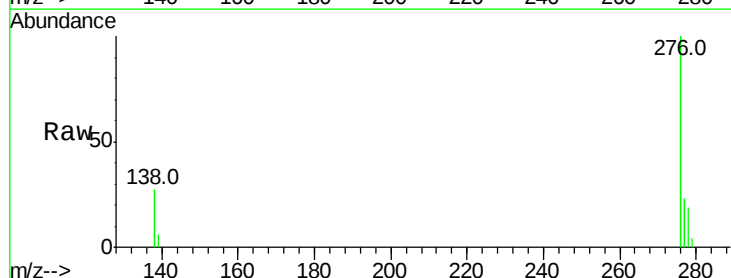
Tgt Ion:276 Resp: 384446

Ion Ratio Lower Upper

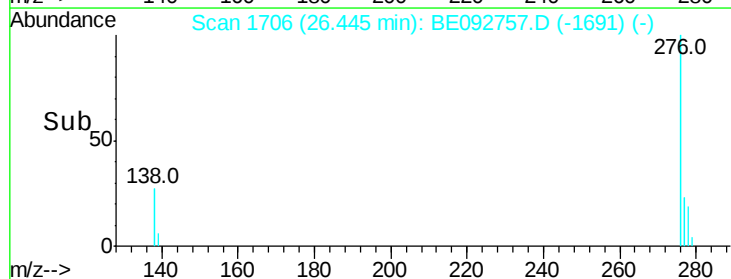
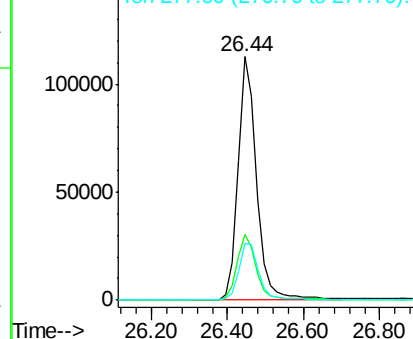
276 100

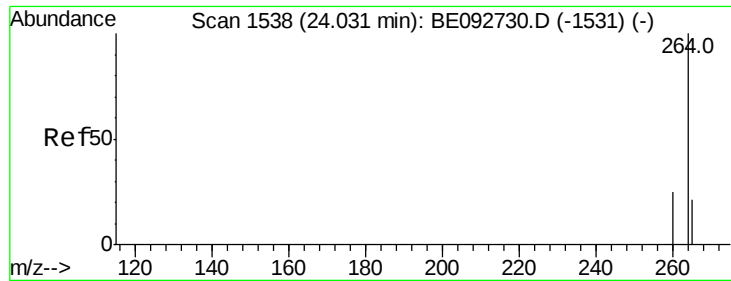
138 27.7 20.3 30.5

277 24.7 19.7 29.5



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



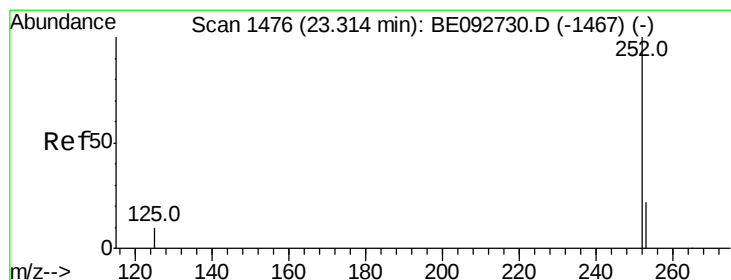
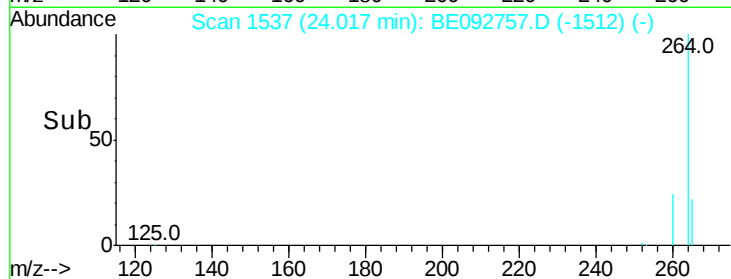
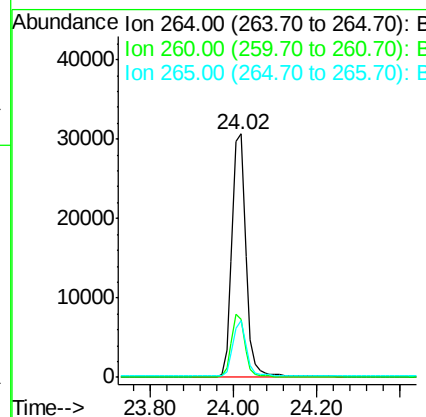
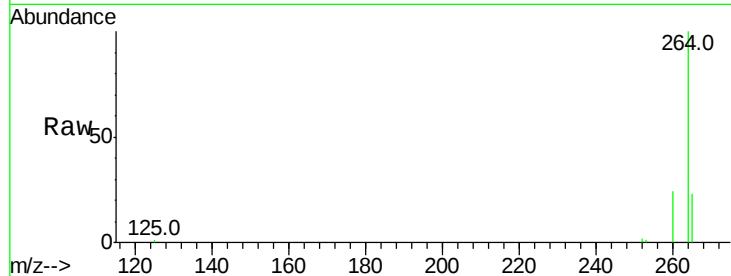


#31  
Pervlene-d12  
Concen: 5.00 ng  
RT: 24.02 min Scan# 1537  
Delta R.T. -0.01 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

Instrument :  
BNA\_E  
ClientSampleId :  
PB97149BS

Tot Ion:264 Resp: 71680  

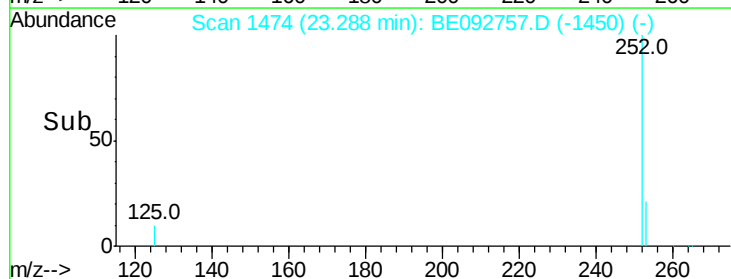
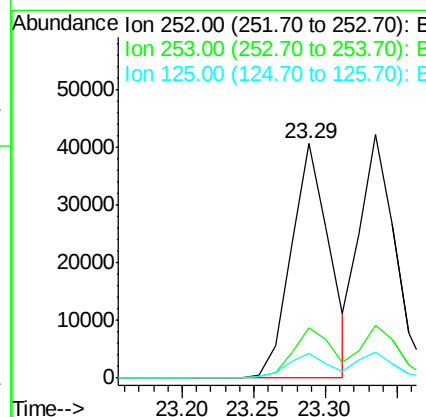
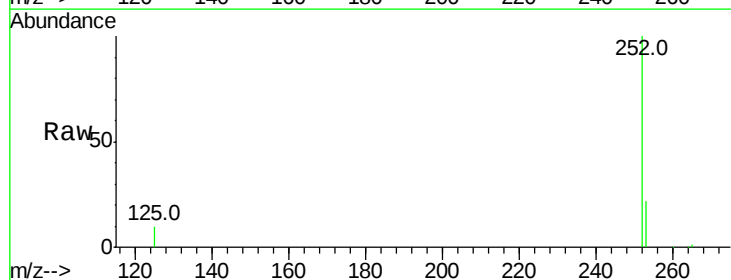
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 20.1  | 30.1  |
| 265 | 23.2  | 17.9  | 26.9  |

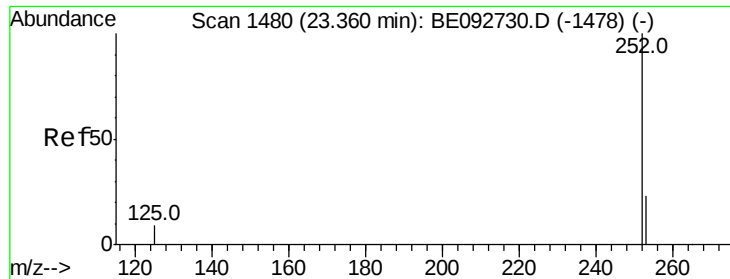


#32  
Benzo(b)fluoranthene  
Concen: 3.96 ng  
RT: 23.29 min Scan# 1474  
Delta R.T. -0.02 min  
Lab File: BE092757.D  
Acq: 24 Feb 2017 13:11

Tgt Ion:252 Resp: 74519  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 18.7  | 28.1  |
| 125 | 10.5  | 10.5  | 15.7# |





#33

Benzo(k)fluoranthene

Concen: 3.75 ng

RT: 23.33 min Scan# 1478

Delta R.T. -0.02 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

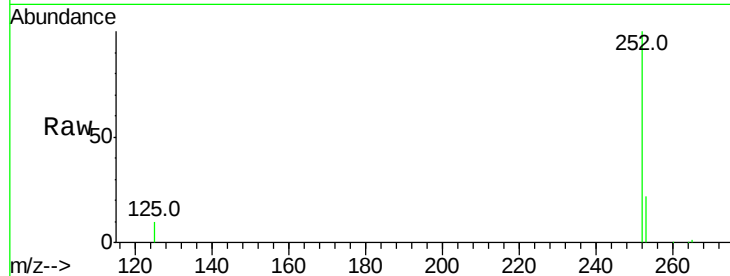
Tot Ion:252 Resp: 75115

Ion Ratio Lower Upper

252 100

253 21.7 20.3 30.5

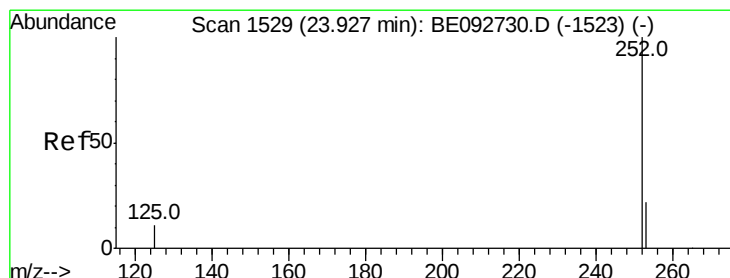
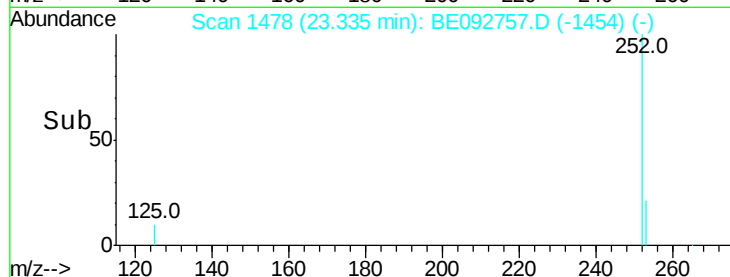
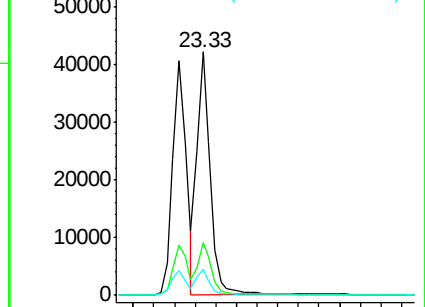
125 10.5 9.6 14.4



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



#34

Benzo(a)pyrene

Concen: 4.15 ng

RT: 23.90 min Scan# 1527

Delta R.T. -0.03 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

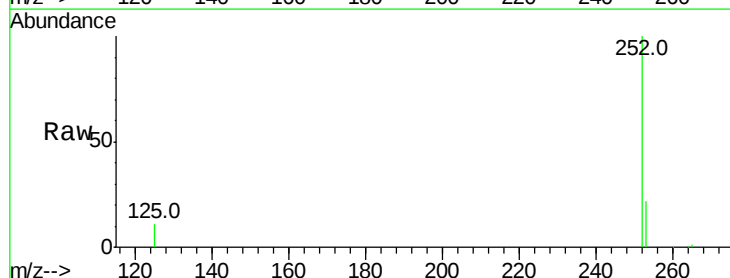
Tgt Ion:252 Resp: 76494

Ion Ratio Lower Upper

252 100

253 22.1 19.0 28.6

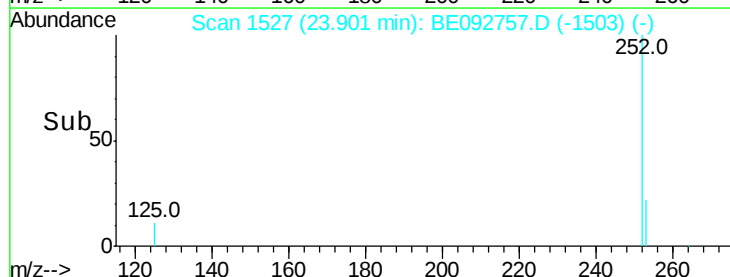
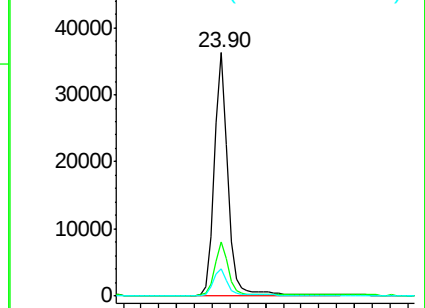
125 11.2 11.8 17.8#

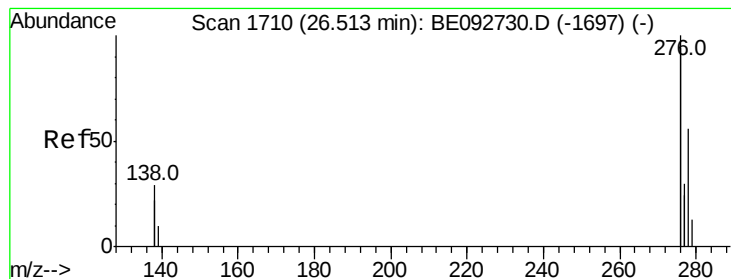


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.40 ng

RT: 26.46 min Scan# 1707

Delta R.T. -0.05 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

Instrument :

BNA\_E

ClientSampleId :

PB97149BS

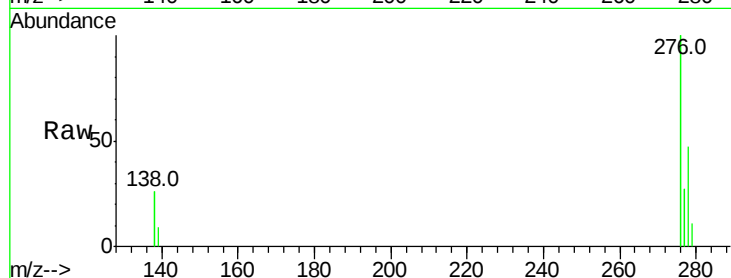
Tot Ion:278 Resp: 79703

Ion Ratio Lower Upper

278 100

139 19.7 13.8 20.8

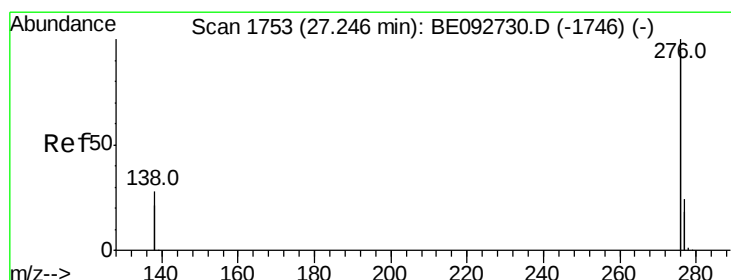
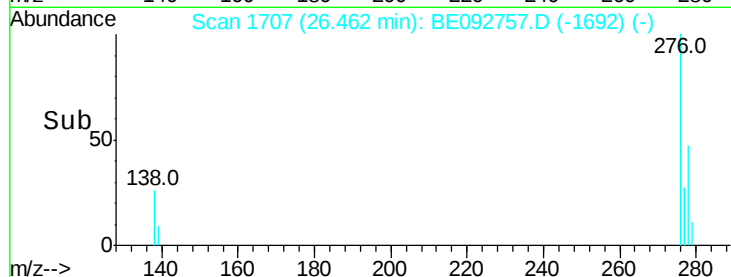
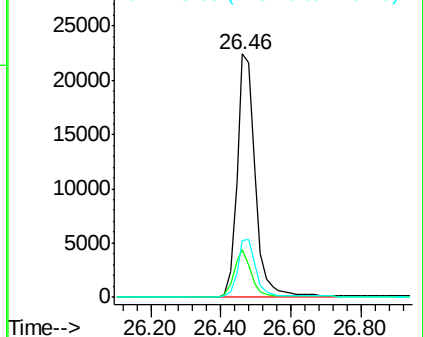
279 23.1 21.4 32.2



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



#36

Benzo(g,h,i)perylene

Concen: 4.41 ng

RT: 27.21 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BE092757.D

Acq: 24 Feb 2017 13:11

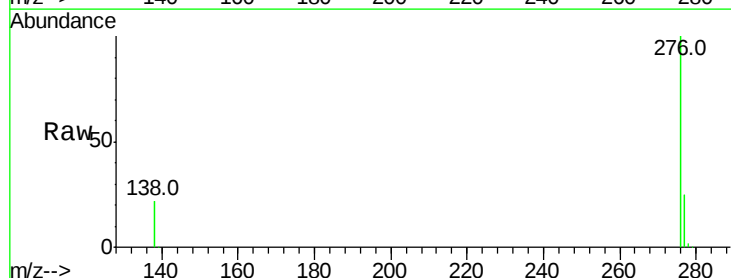
Tgt Ion:276 Resp: 331002

Ion Ratio Lower Upper

276 100

277 25.1 19.8 29.8

138 21.8 19.8 29.6



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

