

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE021017\  
 Data File : BE092719.D  
 Acq On : 10 Feb 2017 13:36  
 Operator : SJ/MA  
 Sample : PB96821BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96821BS

Quant Time: Feb 10 15:58:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE011617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 17 10:14:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 9974     | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.89 | 136  | 41071    | 5.00 | ng    | -0.02    |
| 12) Acenaphthene-d10      | 14.76 | 164  | 23969    | 5.00 | ng    | -0.02    |
| 18) Phenanthrene-d10      | 17.53 | 188  | 40703    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.70 | 240  | 57167    | 5.00 | ng    | -0.02    |
| 31) Perylene-d12          | 24.04 | 264  | 49454    | 5.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.62  | 112  | 21309    | 9.57  | ng    | -0.03    |
| 5) Phenol-d6                | 7.29  | 99   | 28096    | 10.29 | ng    | -0.04    |
| 8) Nitrobenzene-d5          | 9.29  | 82   | 12416    | 4.66  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol    | 16.26 | 330  | 5906     | 8.34  | ng    | -0.03    |
| 14) 2-Fluorobiphenyl        | 13.39 | 172  | 26910    | 4.57  | ng    | -0.04    |
| 26) Terphenyl-d14           | 20.14 | 244  | 29889    | 3.70  | ng    | -0.02    |

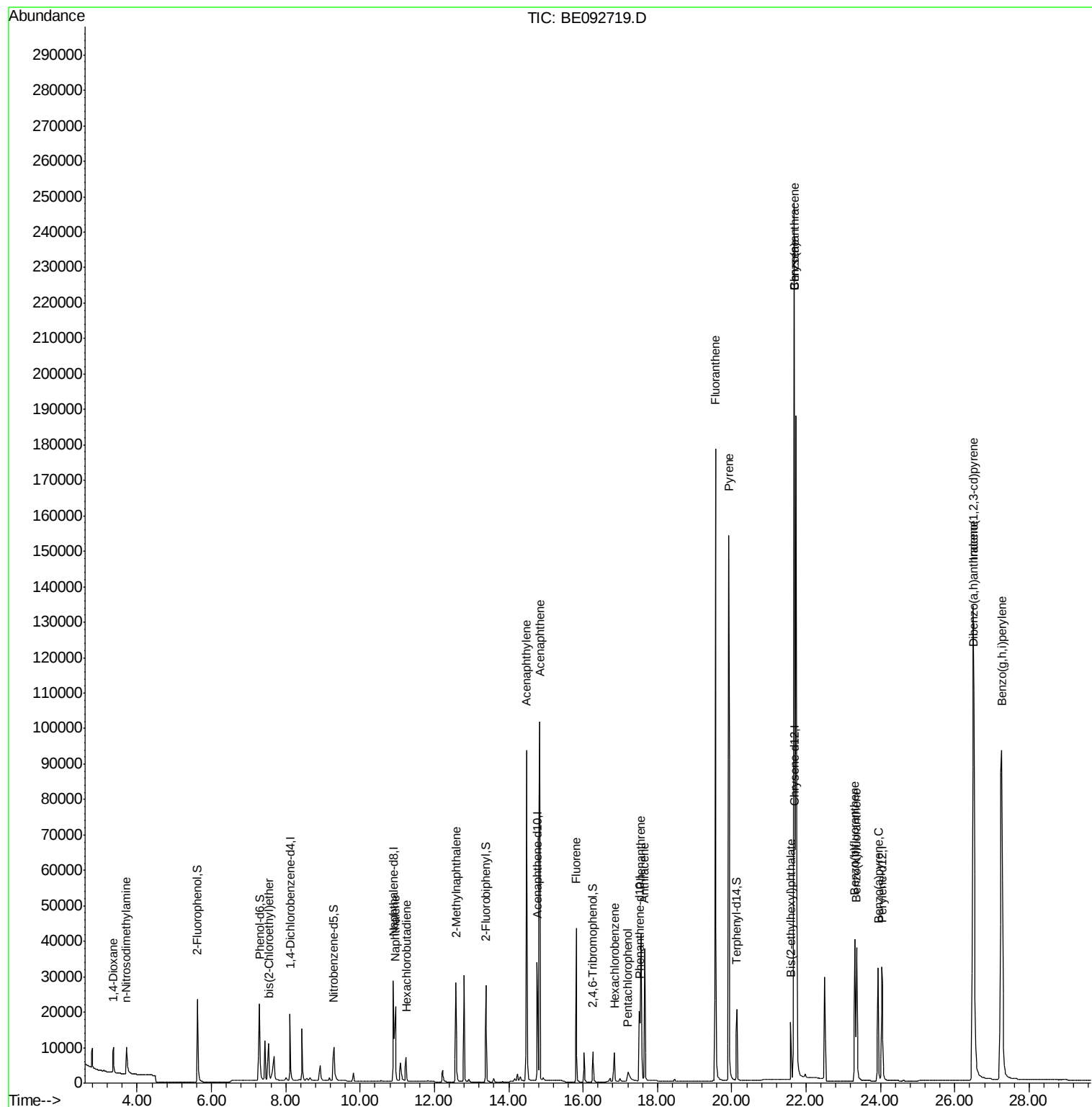
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88   | 4803     | 3.57  | ng    | # 76   |
| 3) n-Nitrosodimethylamine      | 3.71  | 42   | 7386     | 4.10  | ng    | # 99   |
| 6) bis(2-Chloroethyl)ether     | 7.54  | 93   | 11950    | 4.12  | ng    | # 28   |
| 9) Naphthalene                 | 10.95 | 128  | 36921    | 4.30  | ng    | 94     |
| 10) Hexachlorobutadiene        | 11.24 | 225  | 5713     | 4.51  | ng    | 100    |
| 11) 2-Methylnaphthalene        | 12.58 | 142  | 24244    | 4.55  | ng    | # 88   |
| 15) Acenaphthylene             | 14.47 | 152  | 151820   | 4.60  | ng    | 100    |
| 16) Acenaphthene               | 14.83 | 154  | 22873    | 4.32  | ng    | 94     |
| 17) Fluorene                   | 15.81 | 166  | 29148    | 4.38  | ng    | 100    |
| 19) Hexachlorobenzene          | 16.84 | 284  | 9028     | 6.83  | ng    | # 63   |
| 20) Pentachlorophenol          | 17.21 | 266  | 5474     | 13.08 | ng    | 88     |
| 21) Phenanthrene               | 17.56 | 178  | 49635    | 5.52  | ng    | # 94   |
| 22) Anthracene                 | 17.65 | 178  | 49102    | 5.92  | ng    | 99     |
| 23) Fluoranthene               | 19.56 | 202  | 209198   | 5.25  | ng    | 99     |
| 25) Pyrene                     | 19.92 | 202  | 213448   | 3.79  | ng    | 99     |
| 27) Benzo(a)anthracene         | 21.68 | 228  | 470024   | 8.35  | ng    | 92     |
| 28) Chrysene                   | 21.68 | 228  | 471139   | 7.44  | ng    | # 72   |
| 29) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 24760    | 2.35  | ng    | # 73   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.50 | 276  | 269300   | 3.93  | ng    | 98     |
| 32) Benzo(b)fluoranthene       | 23.31 | 252  | 54283    | 4.54  | ng    | 95     |
| 33) Benzo(k)fluoranthene       | 23.36 | 252  | 58039    | 4.83  | ng    | 93     |
| 34) Benzo(a)pyrene             | 23.94 | 252  | 55764    | 4.97  | ng    | # 95   |
| 35) Dibenzo(a,h)anthracene     | 26.51 | 278  | 56257    | 5.12  | ng    | 95     |
| 36) Benzo(g,h,i)perylene       | 27.26 | 276  | 236464   | 5.09  | ng    | 96     |

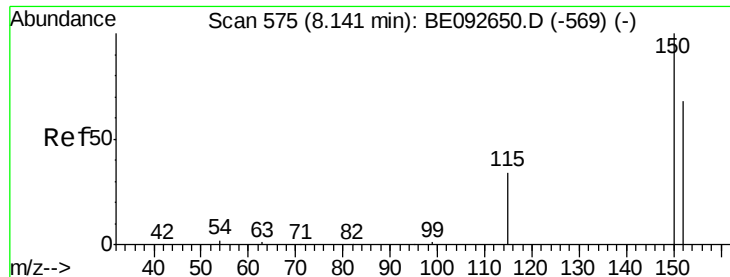
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

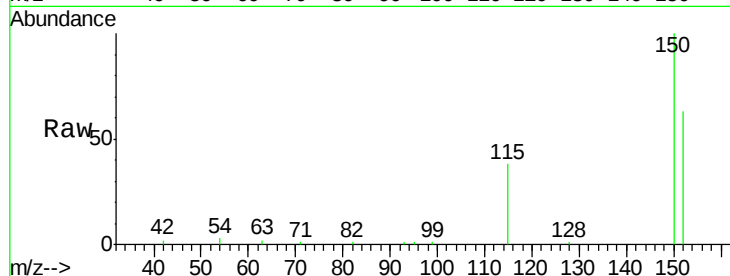
Tgt Ion:152 Resp: 9974

Ion Ratio Lower Upper

152 100

150 159.6 106.0 159.0#

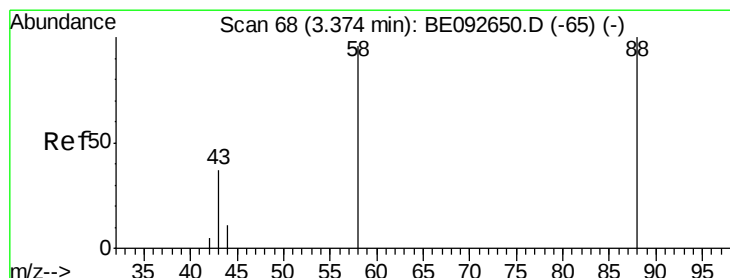
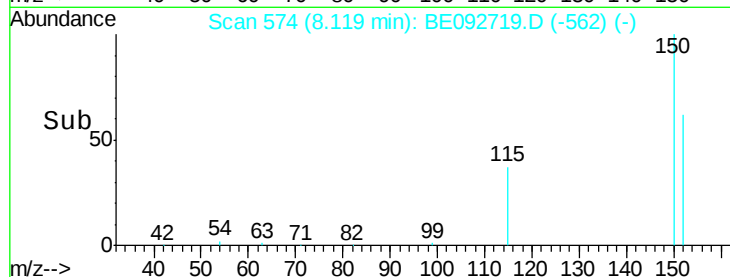
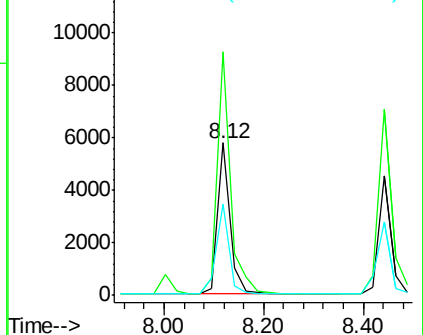
115 60.1 31.2 46.8#



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: 3.57 ng

RT: 3.36 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

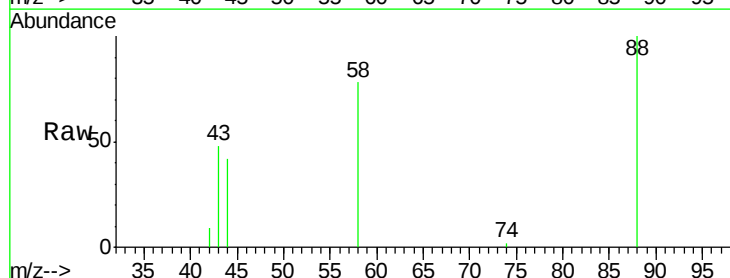
Tgt Ion: 88 Resp: 4803

Ion Ratio Lower Upper

88 100

58 94.4 63.6 95.4

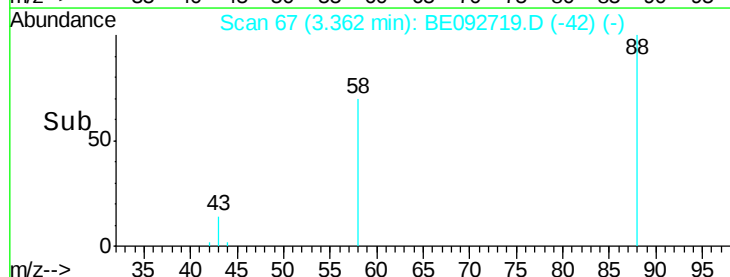
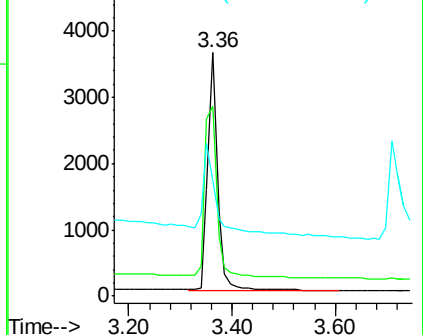
43 58.6 28.0 42.0#

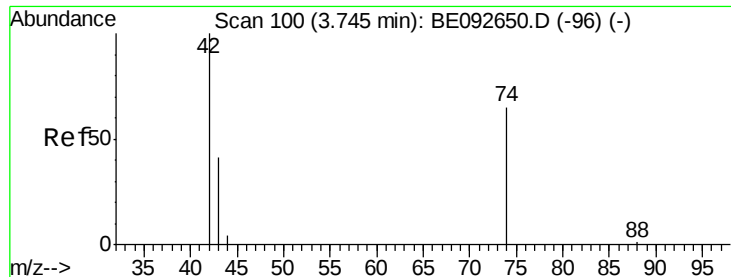


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

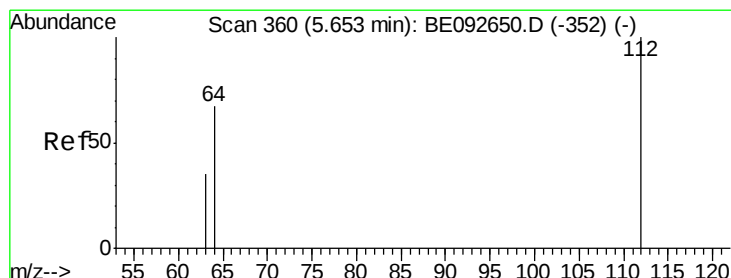
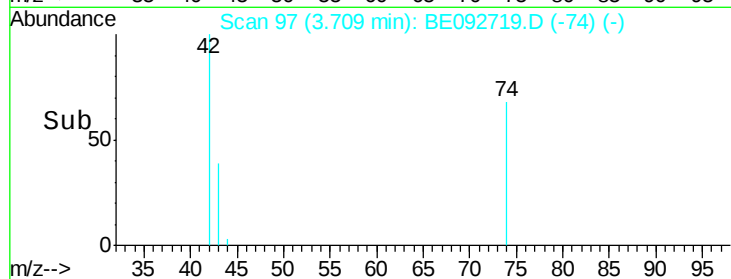
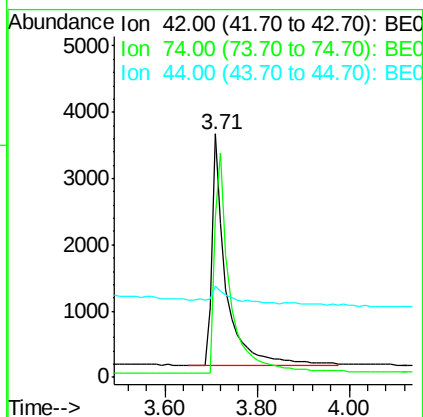
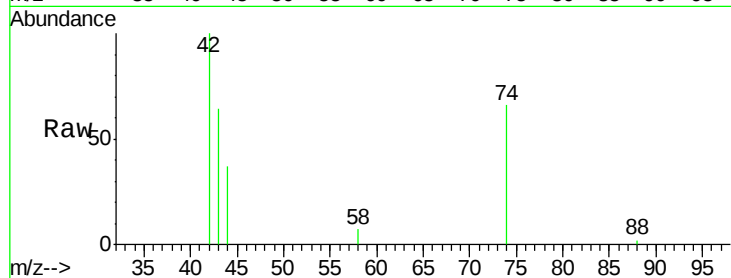




#3  
n-Nitrosodimethylamine  
Concen: 4.10 ng  
RT: 3.71 min Scan# 97  
Delta R.T. -0.04 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

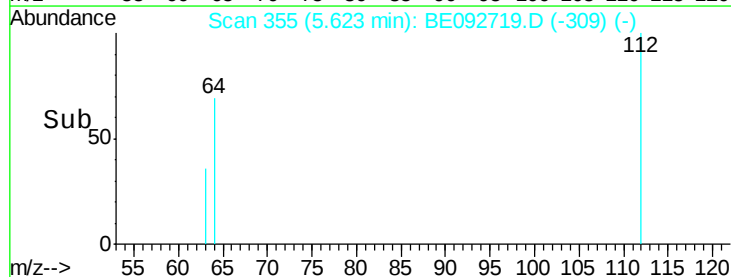
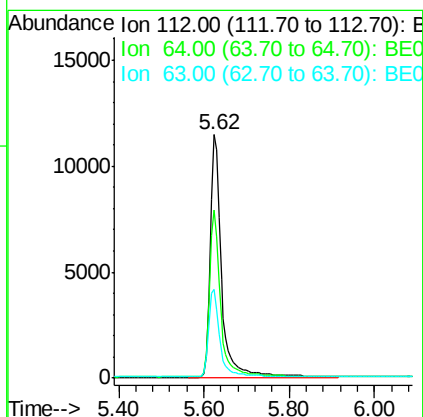
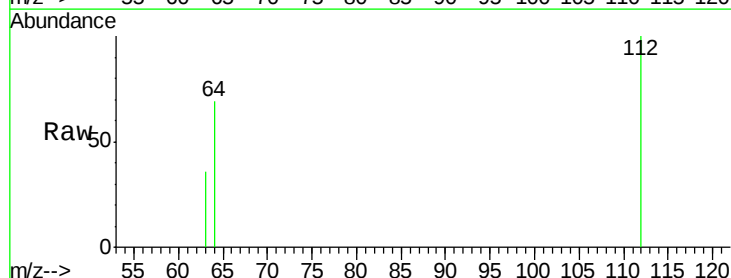
Instrument :  
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PB96821BS

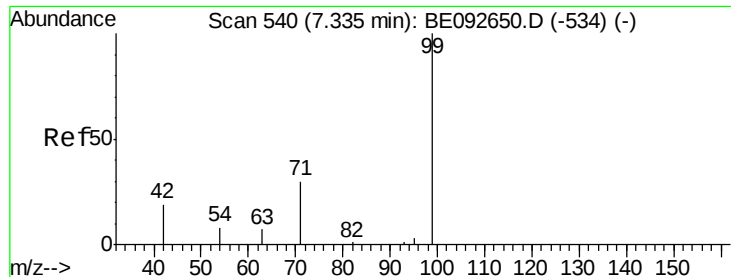
Tgt Ion: 42 Resp: 7386  
Ion Ratio Lower Upper  
42 100  
74 108.4 86.0 129.0  
44 9.4 5.1 7.7#



#4  
2-Fluorophenol  
Concen: 9.57 ng  
RT: 5.62 min Scan# 355  
Delta R.T. -0.03 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

Tgt Ion: 112 Resp: 21309  
Ion Ratio Lower Upper  
112 100  
64 67.9 53.5 80.3  
63 36.1 27.9 41.9





#5

Phenol-d6

Concen: 10.29 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.04 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

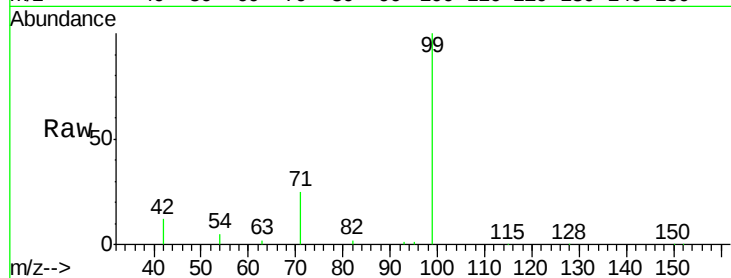
Tgt Ion: 99 Resp: 28096

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

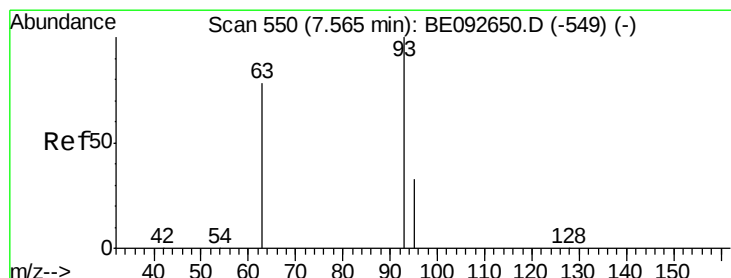
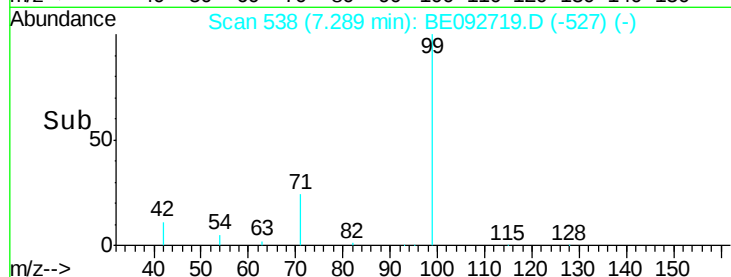
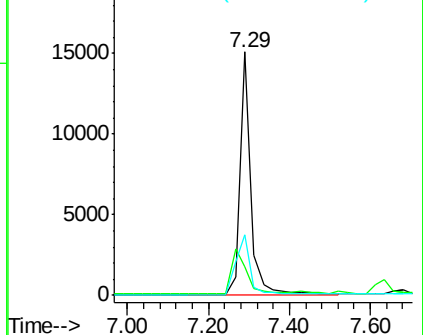
71 32.7 30.6 45.8



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: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

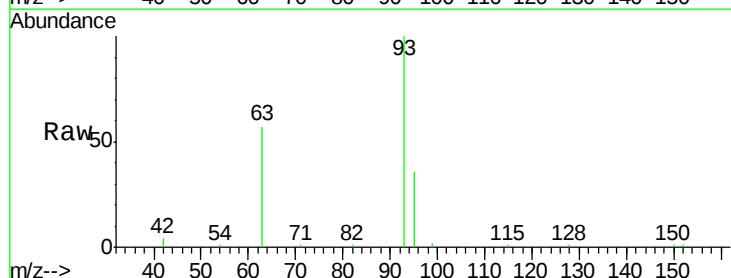
Tgt Ion: 93 Resp: 11950

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

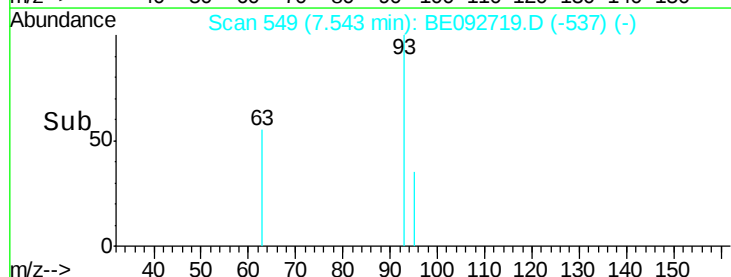
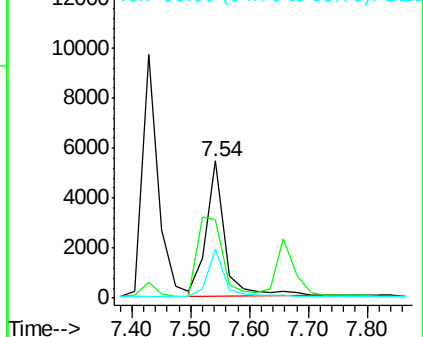
95 32.1 24.0 36.0

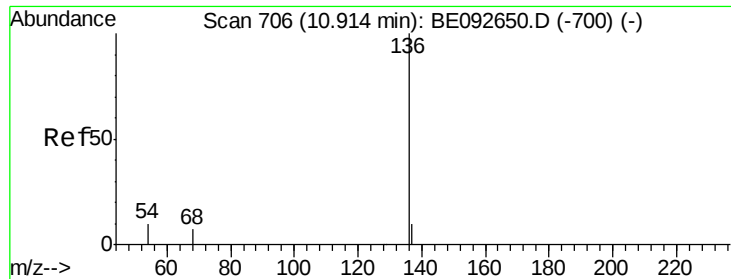


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.89 min Scan# 705

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

Tgt Ion:136 Resp: 41071

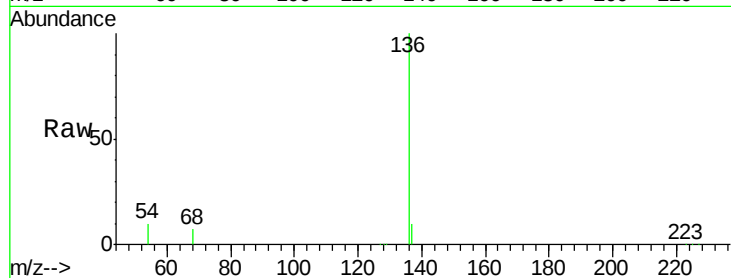
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.4

54 10.1 9.6 14.4

68 7.2 6.7 10.1

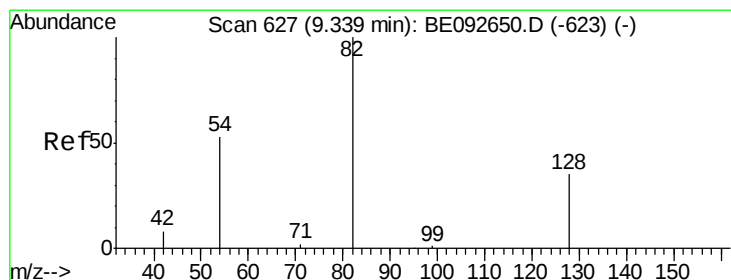
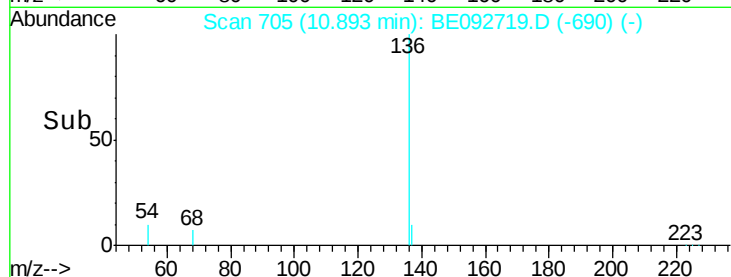
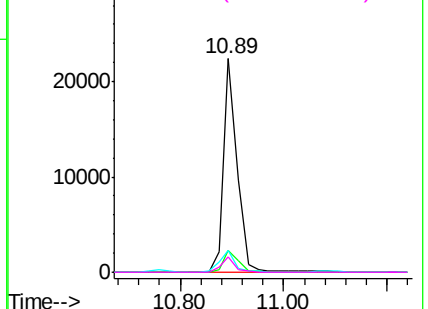


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.66 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

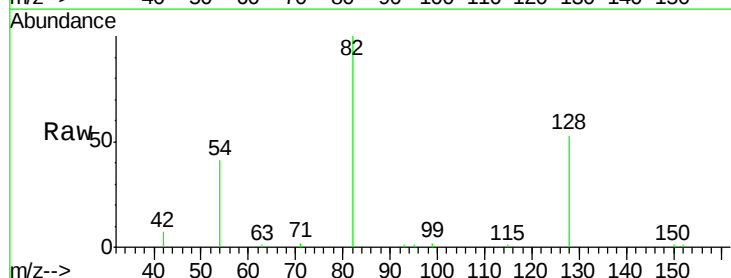
Tgt Ion: 82 Resp: 12416

Ion Ratio Lower Upper

82 100

128 53.3 39.0 58.4

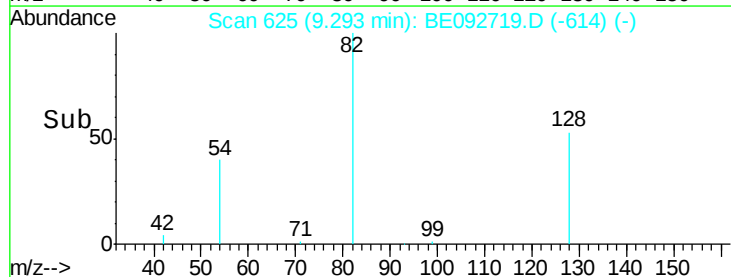
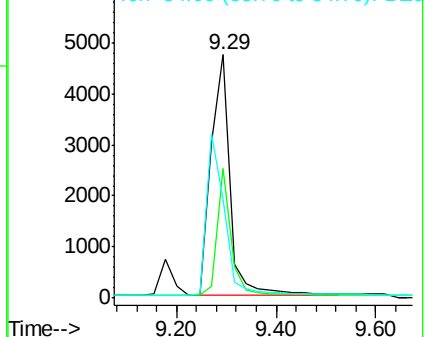
54 40.6 44.8 67.2#

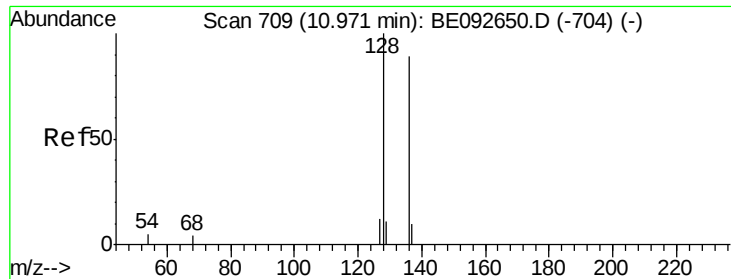


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.30 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

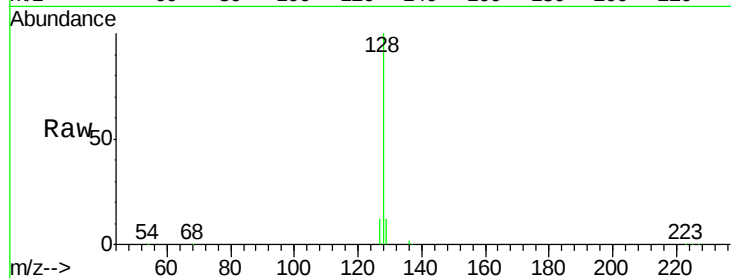
Tgt Ion:128 Resp: 36921

Ion Ratio Lower Upper

128 100

129 12.1 11.2 16.8

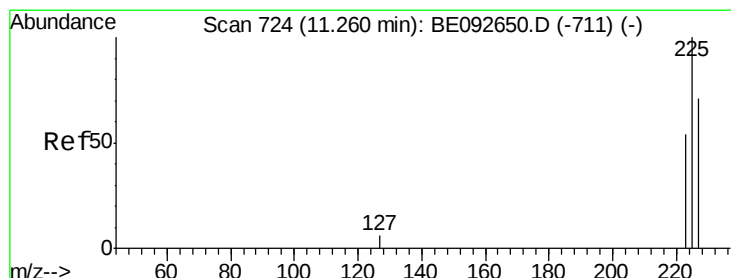
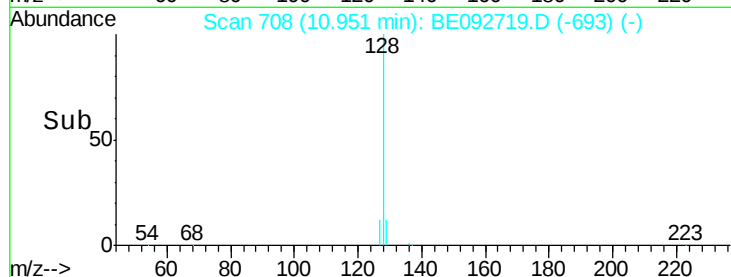
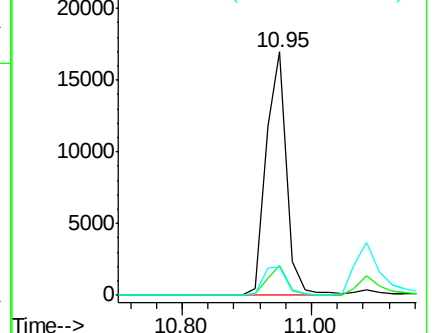
127 11.8 11.6 17.4



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: 4.51 ng

RT: 11.24 min Scan# 723

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

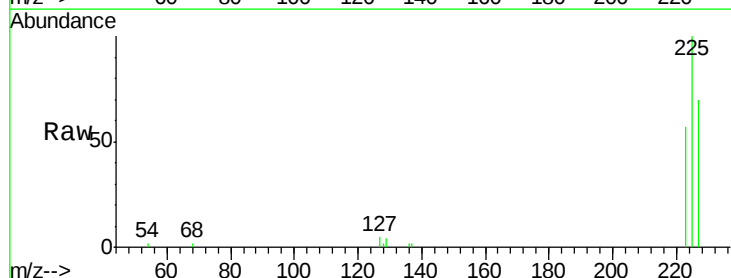
Tgt Ion:225 Resp: 5713

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

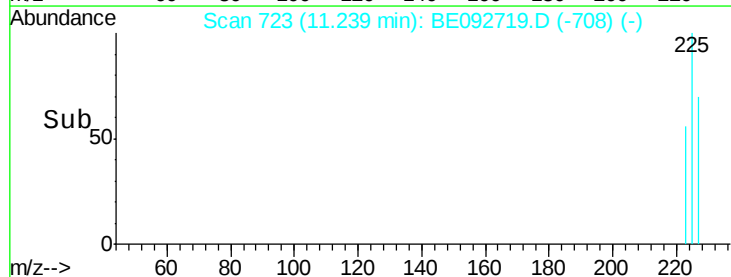
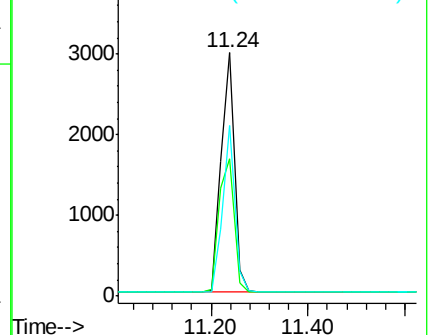
227 63.5 51.4 77.0

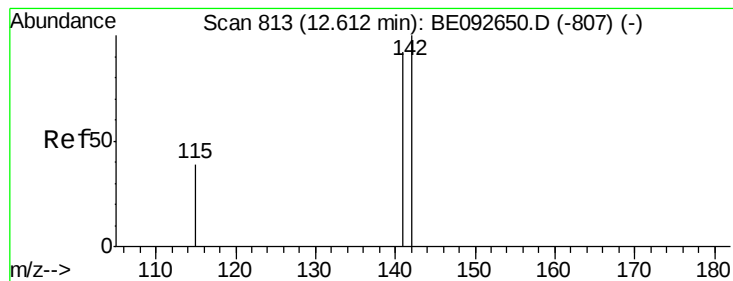


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 4.55 ng

RT: 12.58 min Scan# 810

Delta R.T. -0.04 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

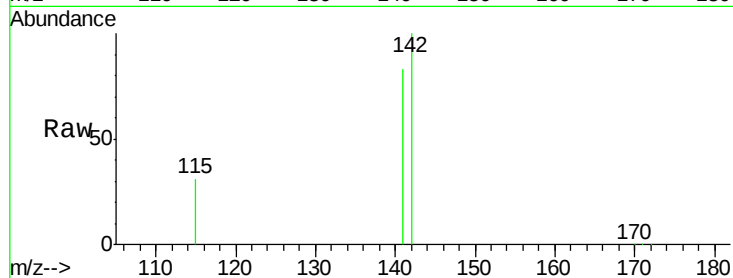
Tgt Ion:142 Resp: 24244

Ion Ratio Lower Upper

142 100

141 82.8 73.7 110.5

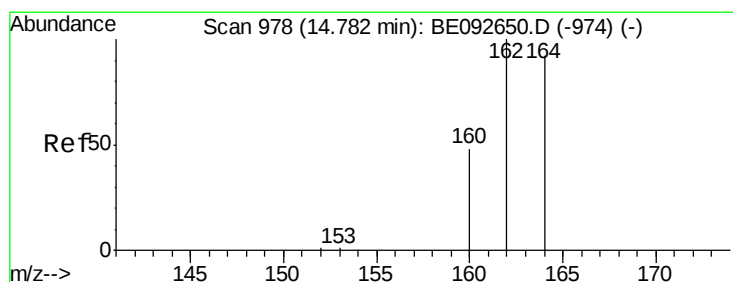
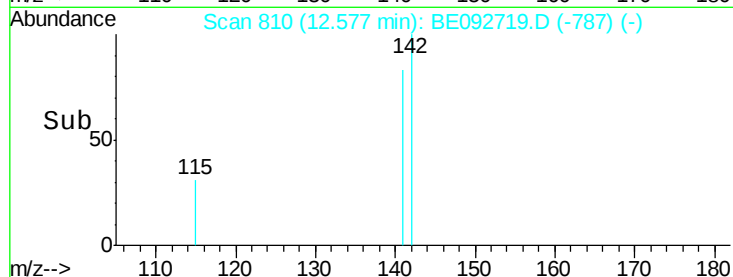
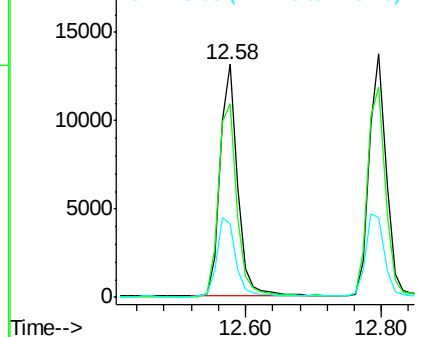
115 31.5 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 977

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

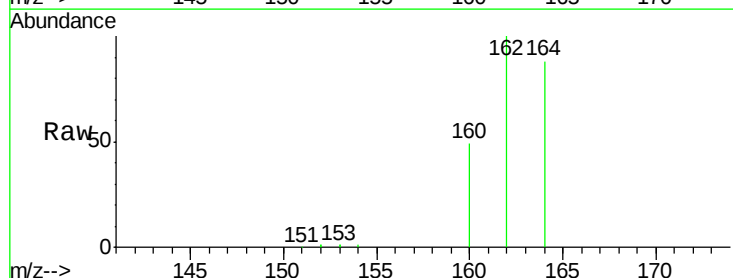
Tgt Ion:164 Resp: 23969

Ion Ratio Lower Upper

164 100

162 113.2 71.4 107.0#

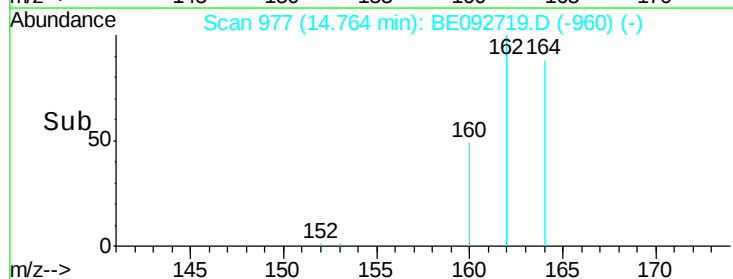
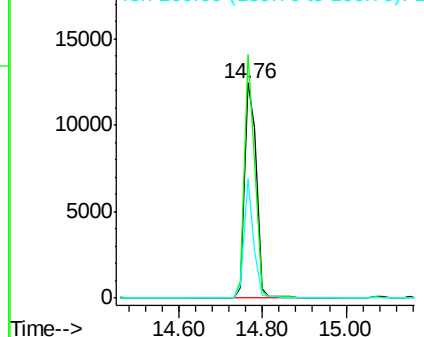
160 55.7 27.4 41.2#

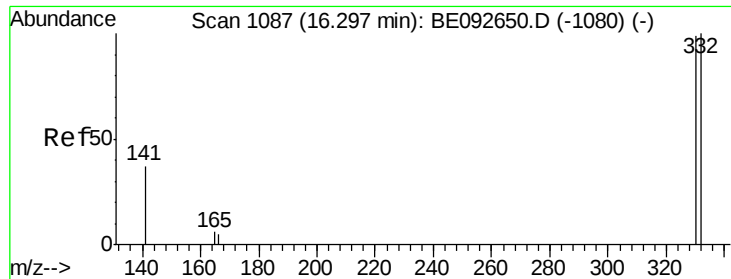


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

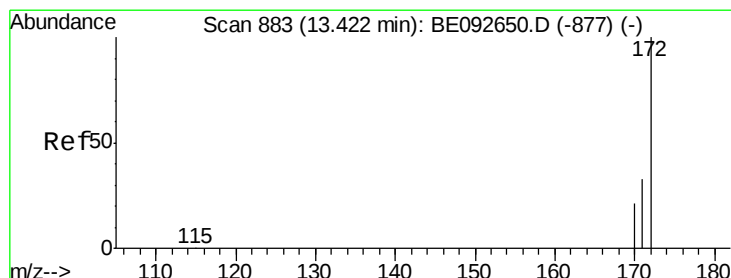
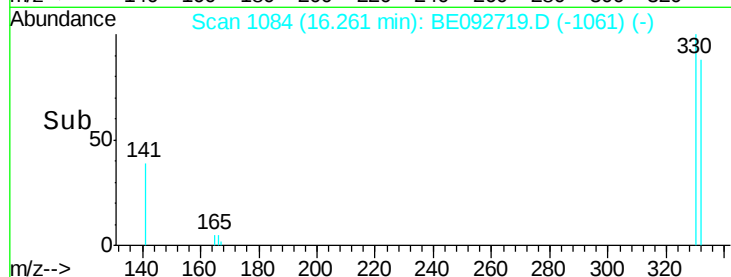
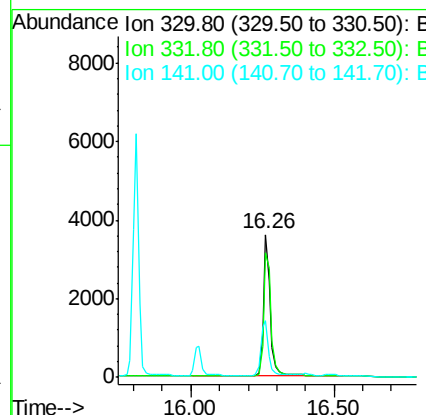
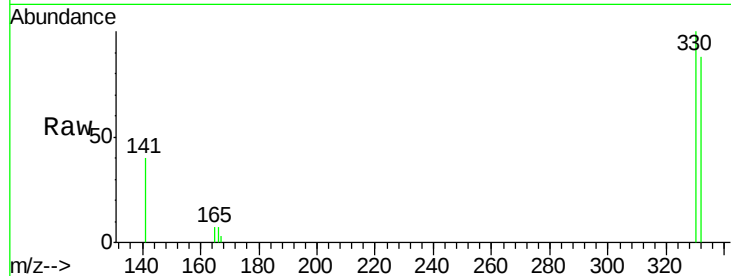




#13  
 2,4,6-Tribromophenol  
 Concen: 8.34 ng  
 RT: 16.26 min Scan# 1084  
 Delta R.T. -0.03 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

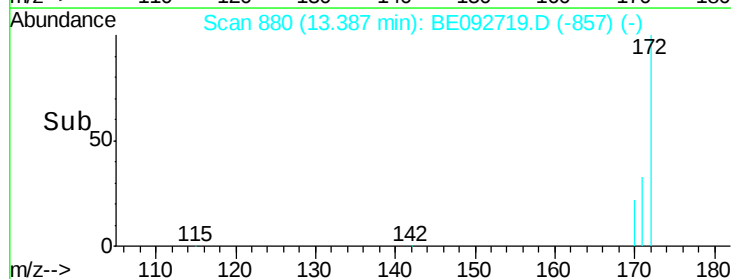
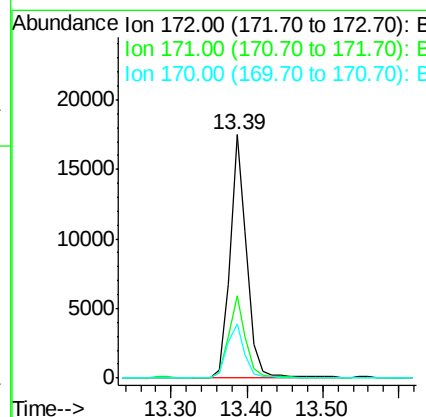
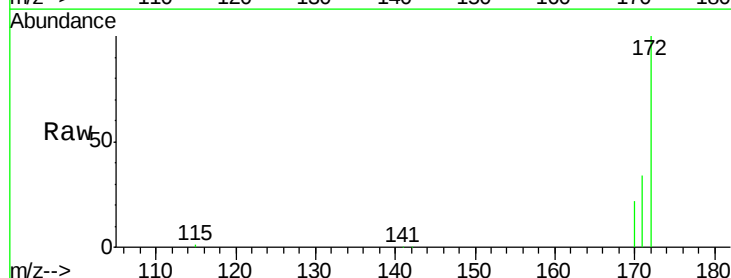
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96821BS

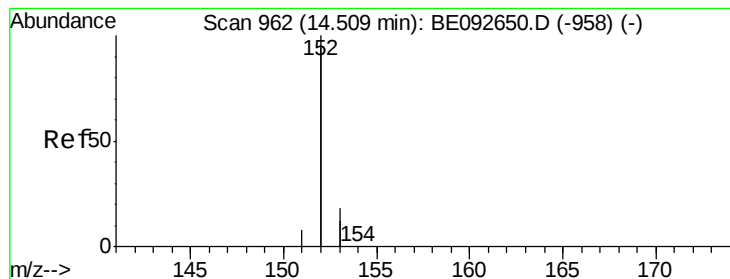
Tgt Ion:330 Resp: 5906  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 75.4 113.0  
 141 42.9 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 4.57 ng  
 RT: 13.39 min Scan# 880  
 Delta R.T. -0.04 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

Tgt Ion:172 Resp: 26910  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 30.1 45.1  
 170 22.3 21.8 32.6





#15

Acenaphthylene

Concen: 4.60 ng

RT: 14.47 min Scan# 960

Delta R.T. -0.03 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

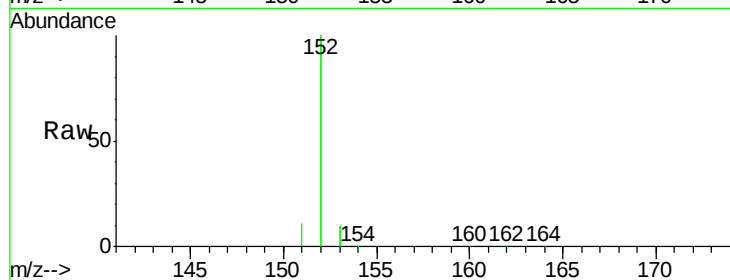
Tgt Ion:152 Resp: 151820

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

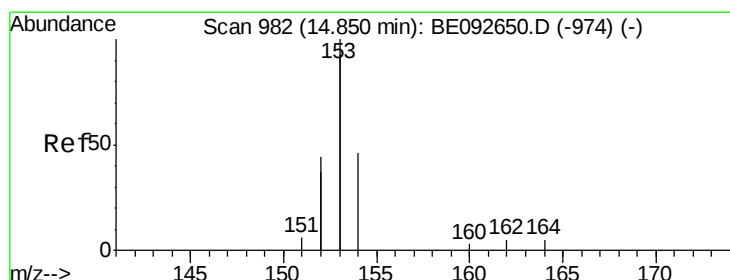
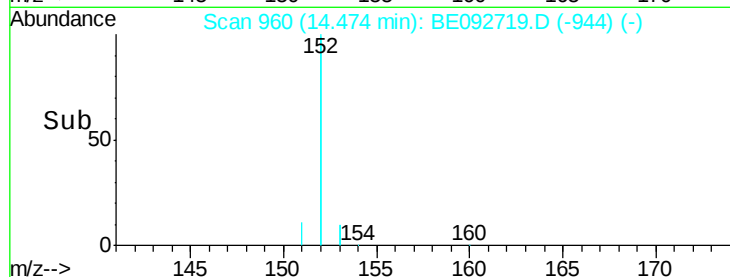
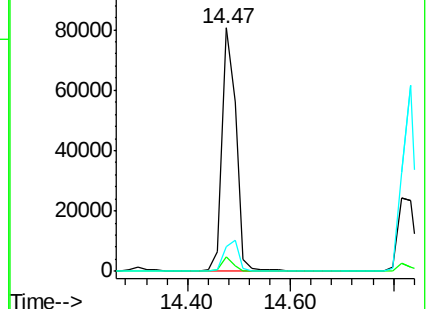
153 13.3 10.4 15.6



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



#16

Acenaphthene

Concen: 4.32 ng

RT: 14.83 min Scan# 981

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

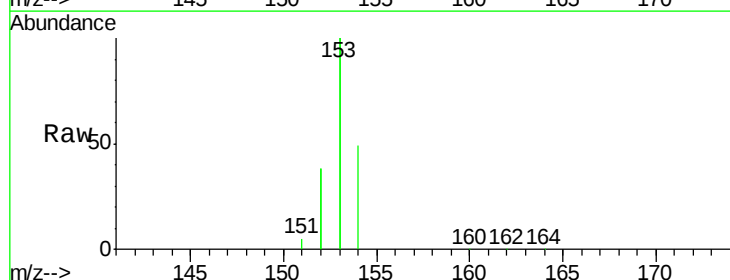
Tgt Ion:154 Resp: 22873

Ion Ratio Lower Upper

154 100

153 452.0 350.8 526.2

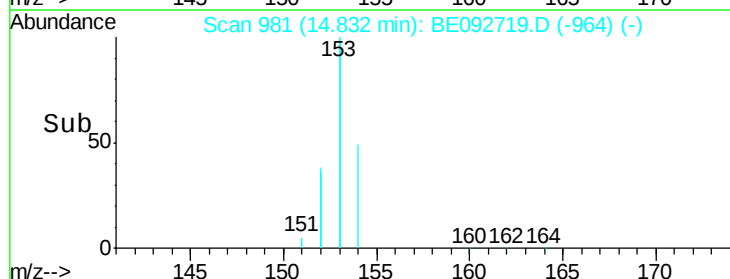
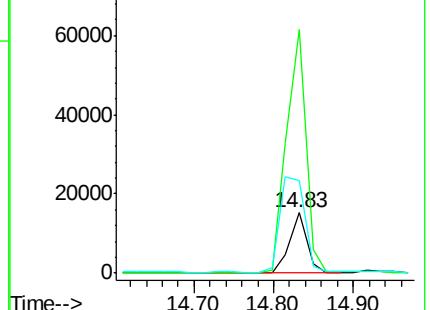
152 224.8 171.1 256.7

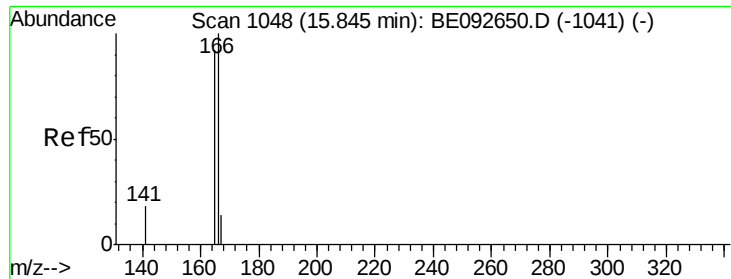


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

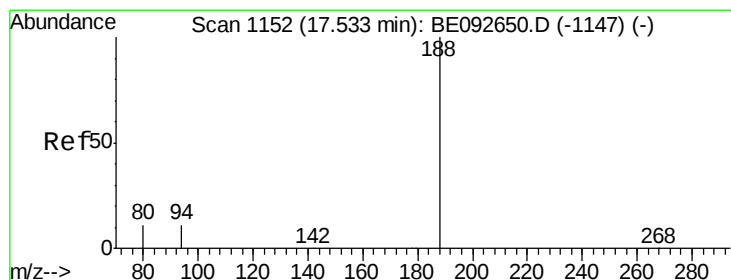
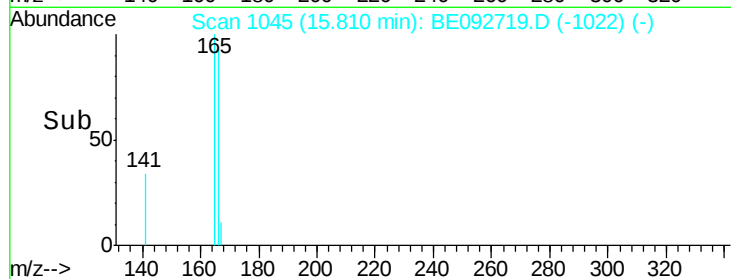
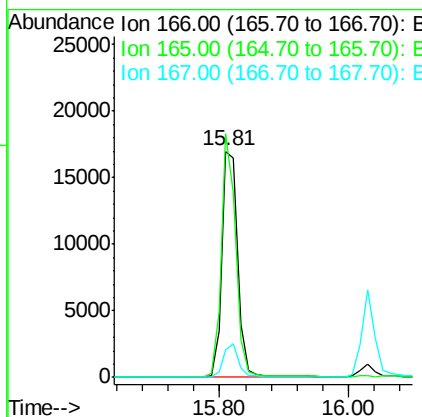
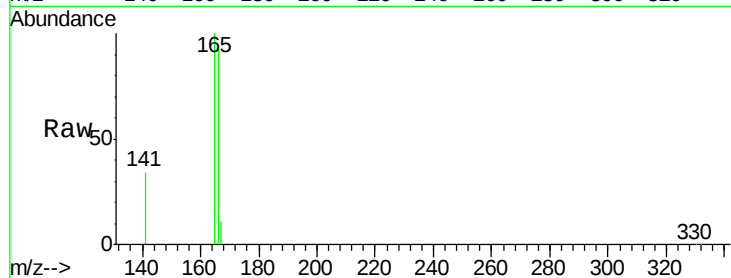




#17  
**Fluorene**  
 Concen: 4.38 ng  
 RT: 15.81 min Scan# 1045  
 Delta R.T. -0.04 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

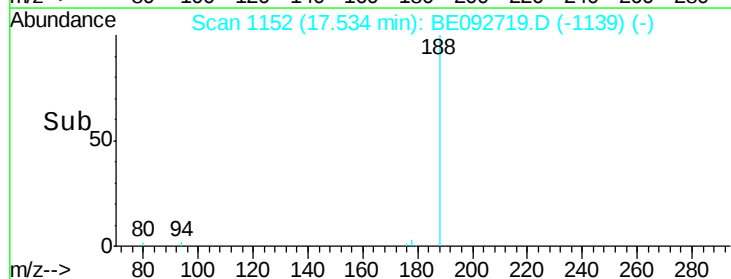
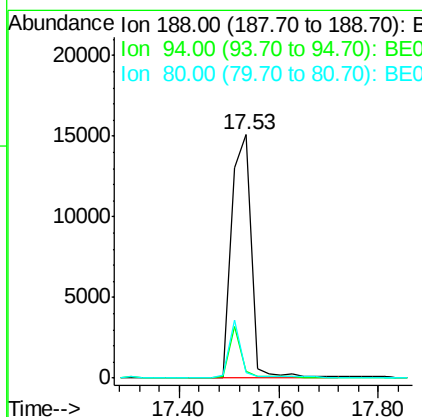
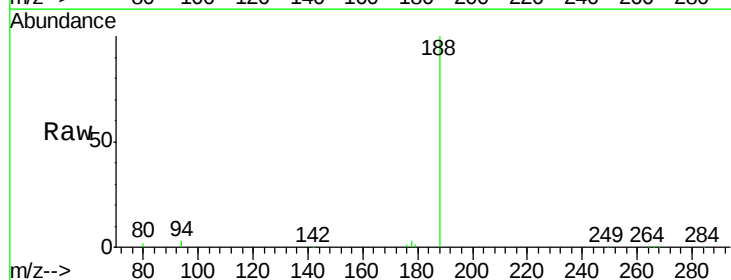
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96821BS

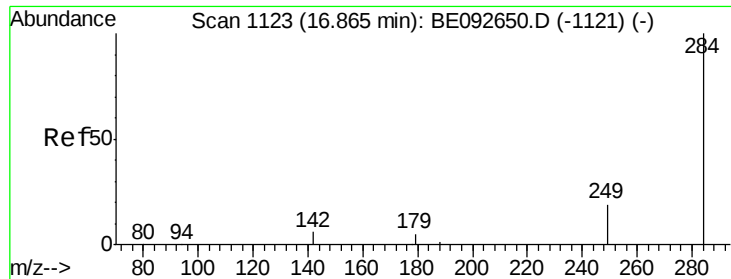
Tgt Ion:166 Resp: 29148  
 Ion Ratio Lower Upper  
 166 100  
 165 97.6 78.2 117.4  
 167 13.5 11.0 16.4



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.53 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

Tgt Ion:188 Resp: 40703  
 Ion Ratio Lower Upper  
 188 100  
 94 2.6 3.2 4.8#  
 80 2.1 2.6 3.8#

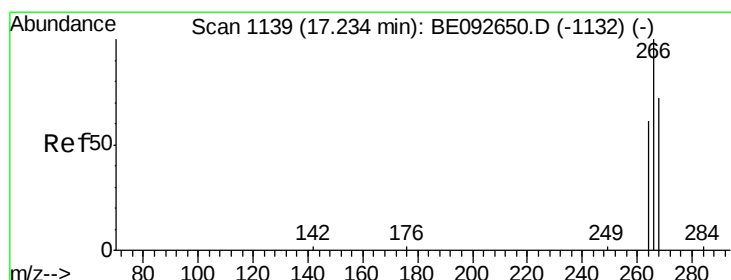
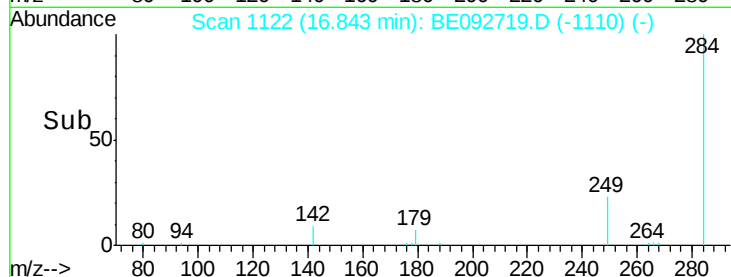
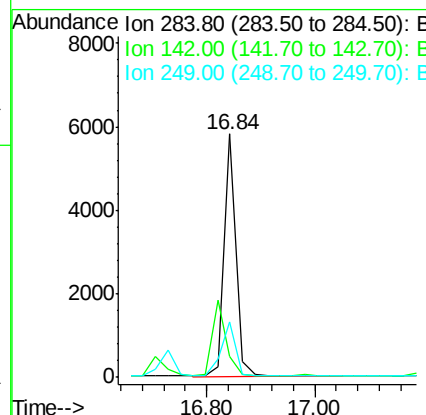
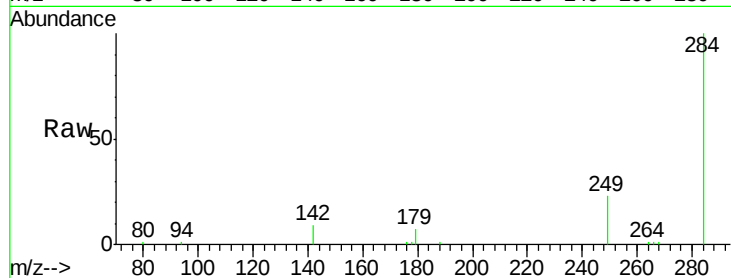




#19  
Hexachlorobenzene  
Concen: 6.83 ng  
RT: 16.84 min Scan# 1122  
Delta R.T. -0.02 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

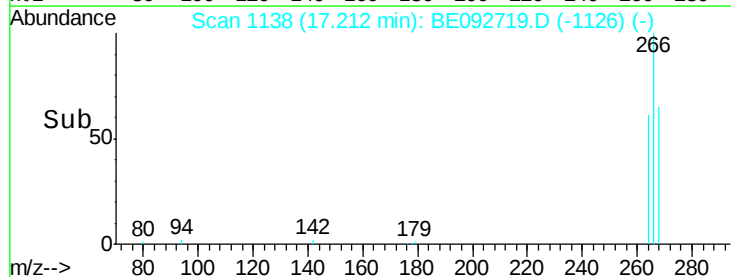
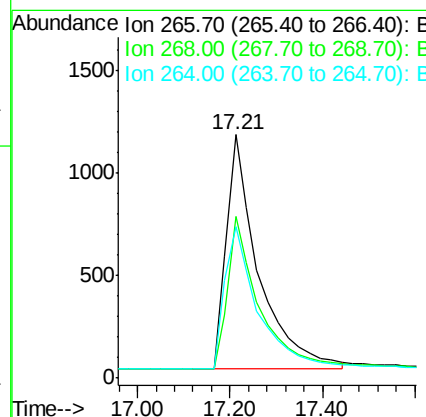
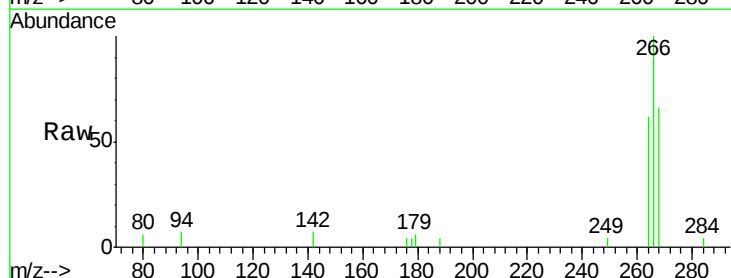
Instrument :  
BNA\_E  
ClientSampleId :  
PB96821BS

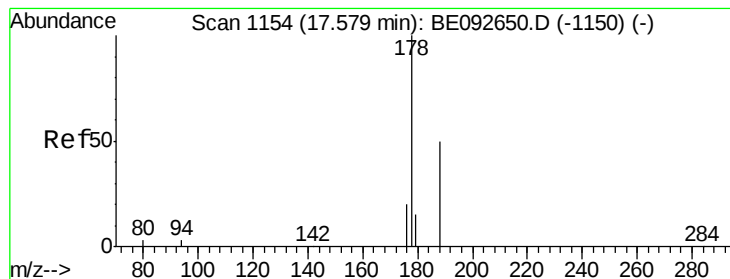
Tgt Ion: 284 Resp: 9028  
Ion Ratio Lower Upper  
284 100  
142 0.0 29.1 43.7#  
249 27.8 27.9 41.9#



#20  
Pentachlorophenol  
Concen: 13.08 ng  
RT: 17.21 min Scan# 1138  
Delta R.T. -0.02 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

Tgt Ion: 266 Resp: 5474  
Ion Ratio Lower Upper  
266 100  
268 66.5 62.5 93.7  
264 62.4 57.2 85.8





#21

Phenanthrene

Concen: 5.52 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

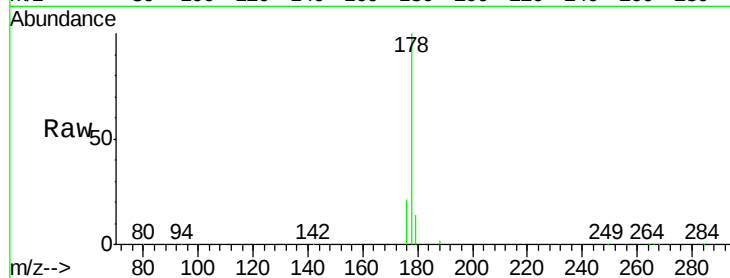
Tgt Ion:178 Resp: 49635

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

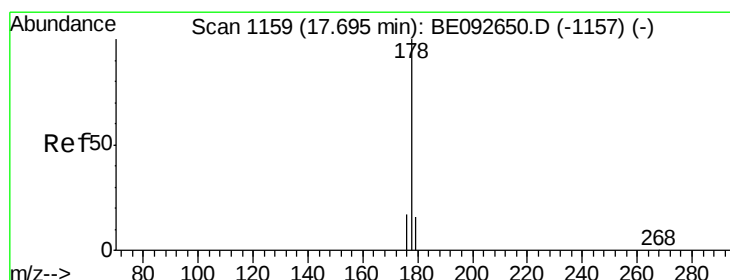
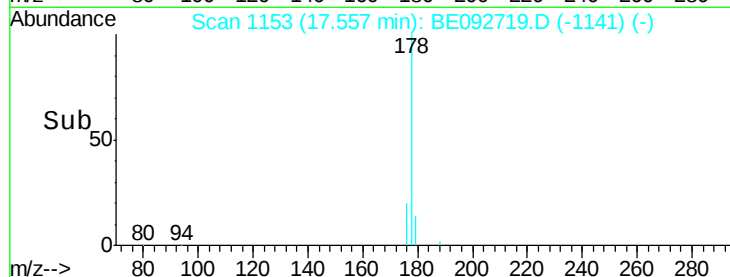
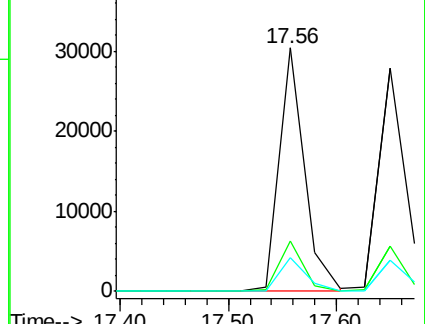
179 14.9 16.0 24.0#



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



#22

Anthracene

Concen: 5.92 ng

RT: 17.65 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

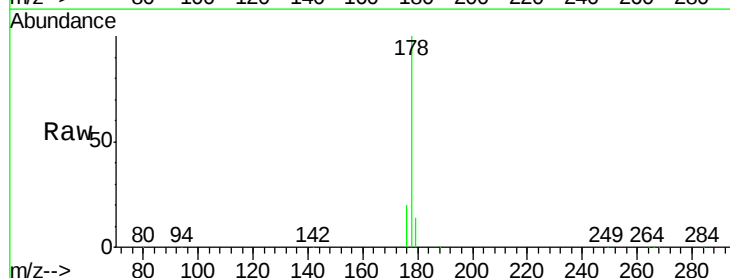
Tgt Ion:178 Resp: 49102

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

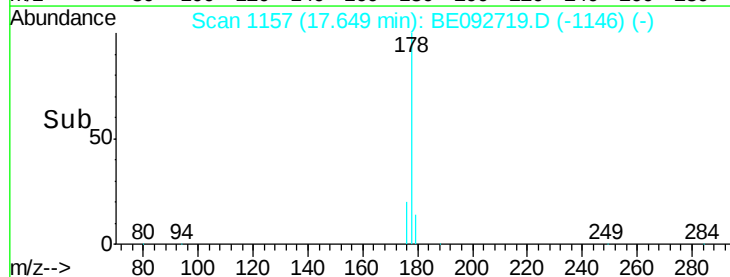
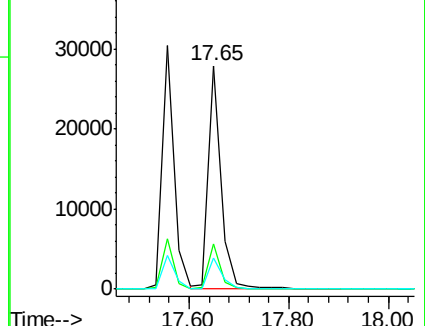
179 14.7 12.2 18.2

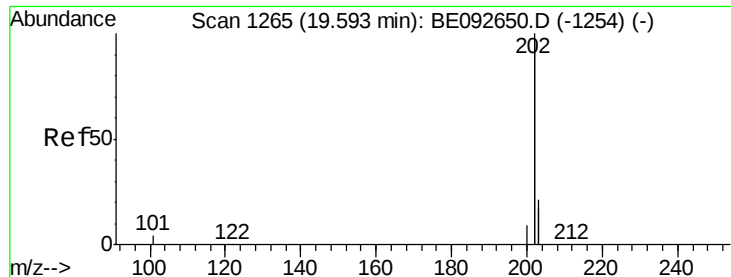


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 5.25 ng

RT: 19.56 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

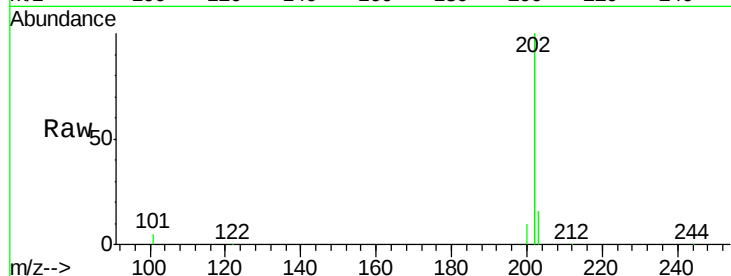
Tgt Ion:202 Resp: 209198

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

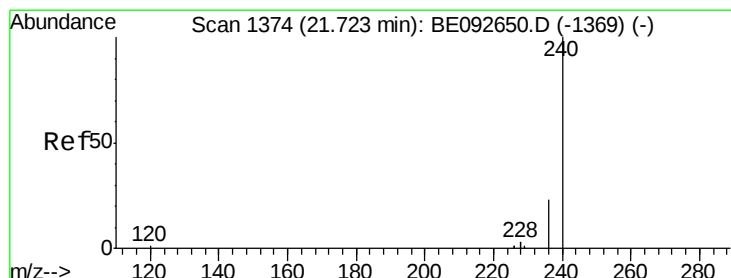
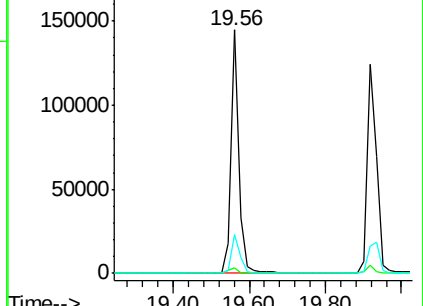
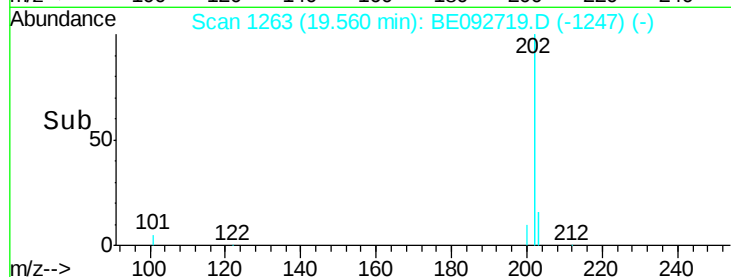
203 17.4 13.7 20.5



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: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

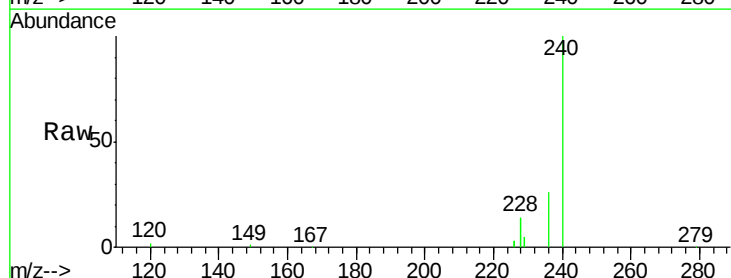
Tgt Ion:240 Resp: 57167

Ion Ratio Lower Upper

240 100

120 1.7 2.6 4.0#

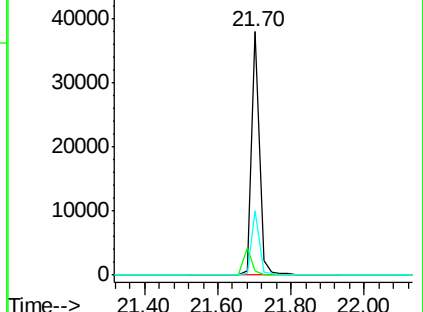
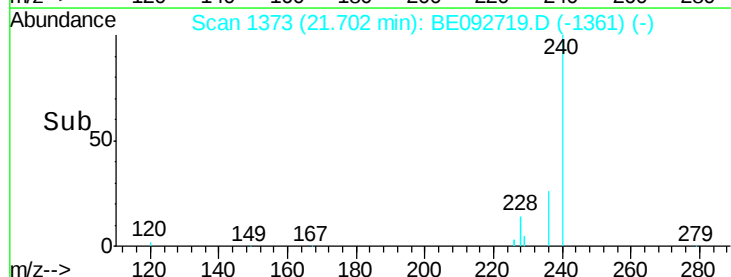
236 26.2 24.6 37.0

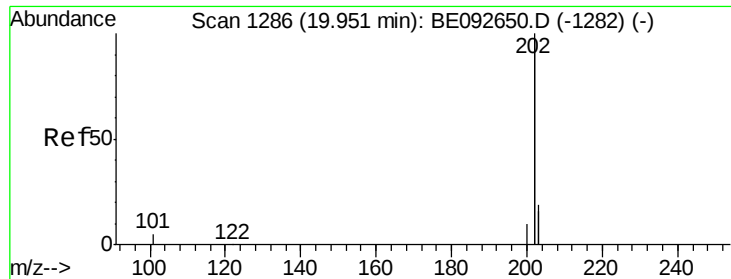


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

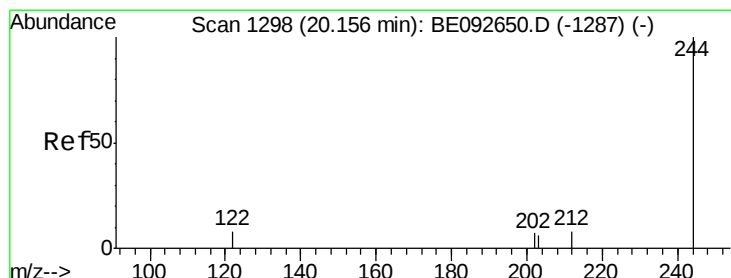
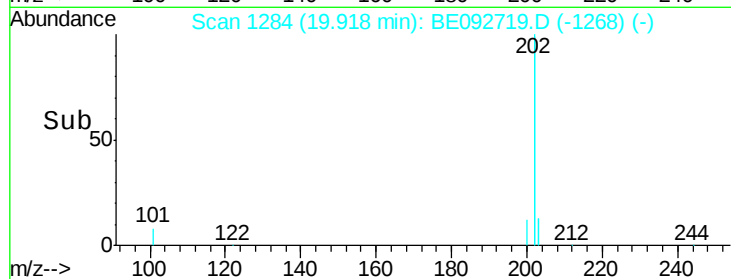
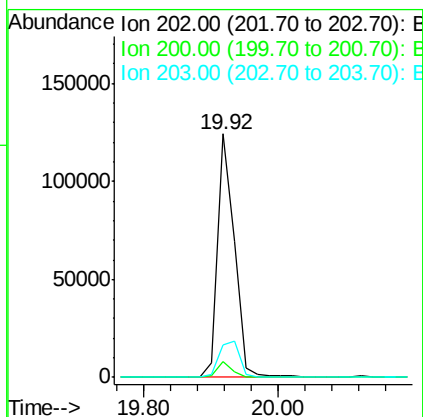
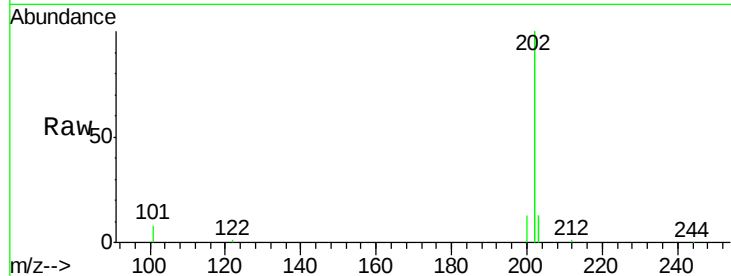




#25  
 Pyrene  
 Concen: 3.79 ng  
 RT: 19.92 min Scan# 1284  
 Delta R.T. -0.03 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

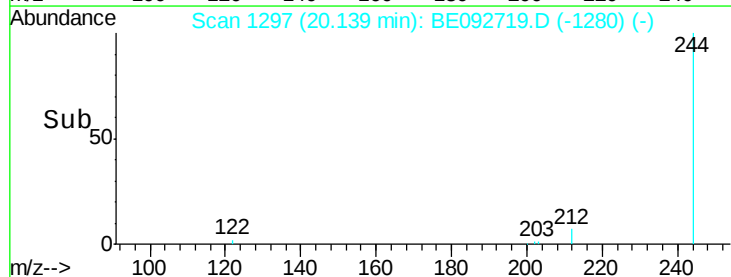
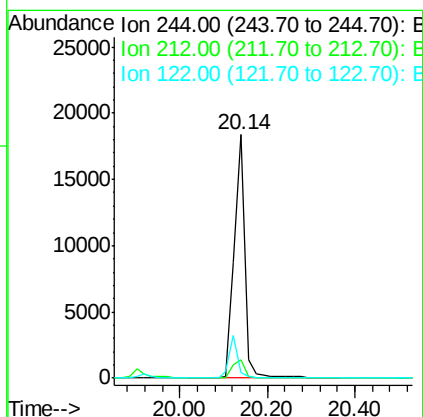
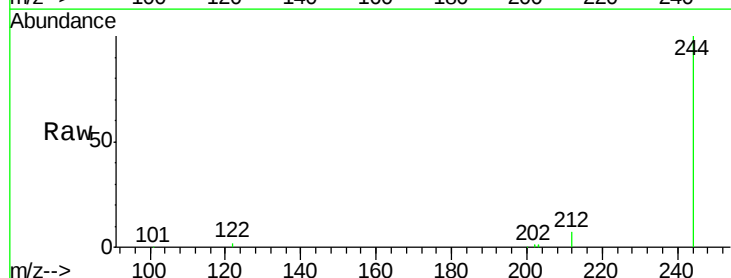
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96821BS

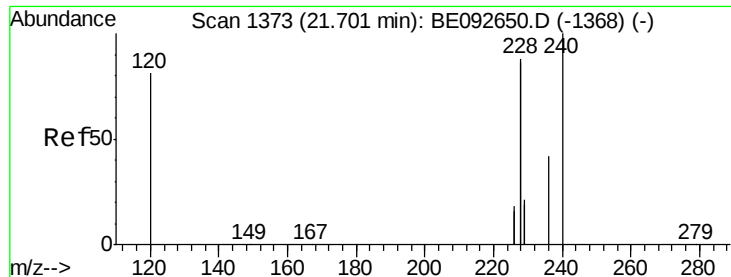
Tgt Ion: 202 Resp: 213448  
 Ion Ratio Lower Upper  
 202 100  
 200 5.4 4.2 6.4  
 203 18.0 13.9 20.9



#26  
 Terphenyl-d14  
 Concen: 3.70 ng  
 RT: 20.14 min Scan# 1297  
 Delta R.T. -0.02 min  
 Lab File: BE092719.D  
 Acq: 10 Feb 2017 13:36

Tgt Ion: 244 Resp: 29889  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.7 10.1  
 122 2.2 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 8.35 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

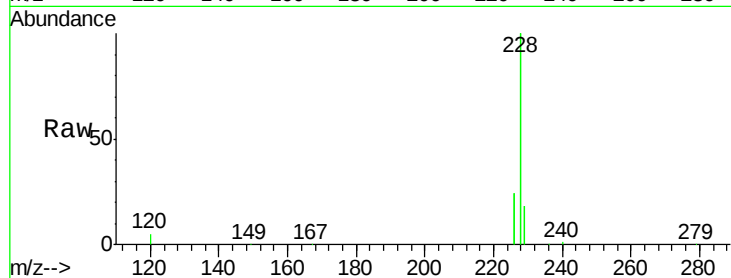
Tgt Ion:228 Resp: 470024

Ion Ratio Lower Upper

228 100

226 24.1 23.6 35.4

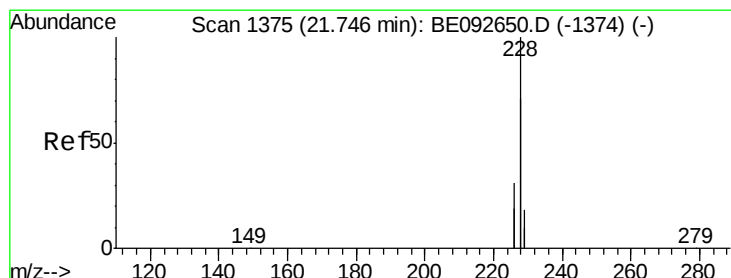
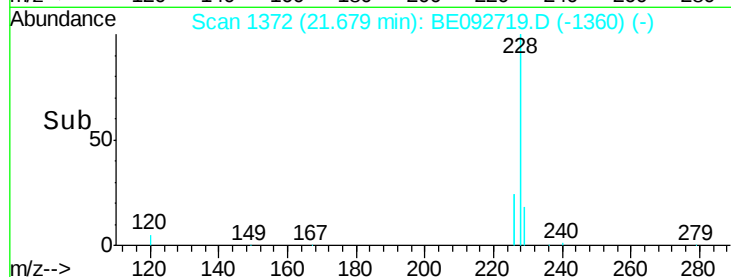
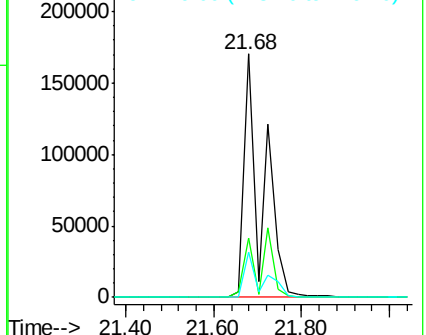
229 18.3 13.3 19.9



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



#28

Chrysene

Concen: 7.44 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.07 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

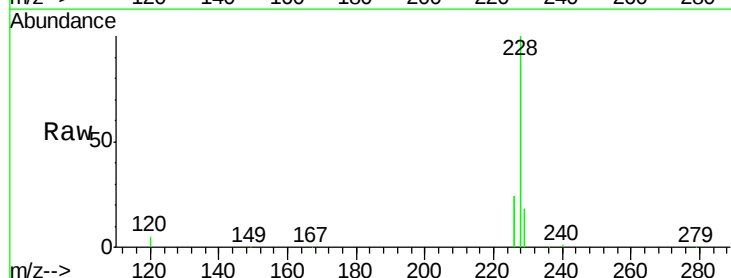
Tgt Ion:228 Resp: 471139

Ion Ratio Lower Upper

228 100

226 24.1 36.3 54.5#

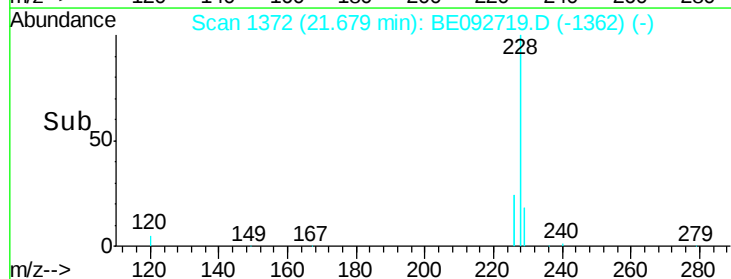
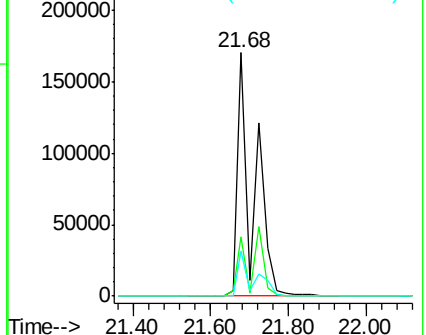
229 18.3 10.6 16.0#

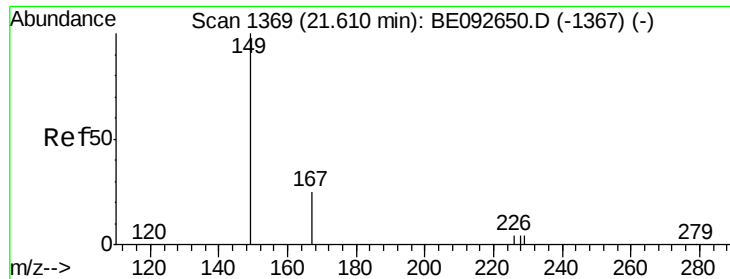


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 21.59 min Scan# 1368

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

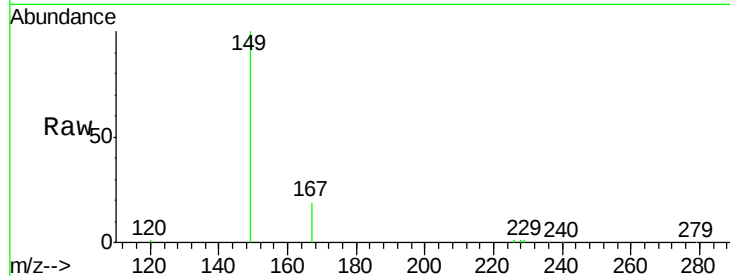
Tgt Ion:149 Resp: 24760

Ion Ratio Lower Upper

149 100

167 24.8 16.0 24.0#

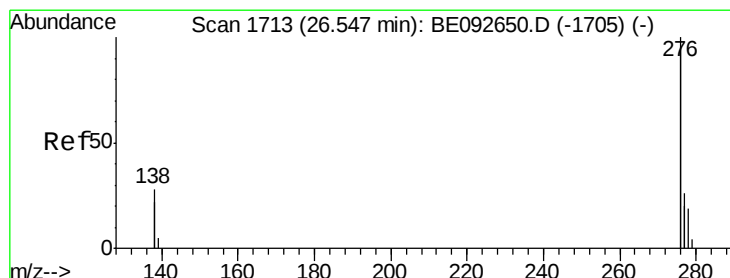
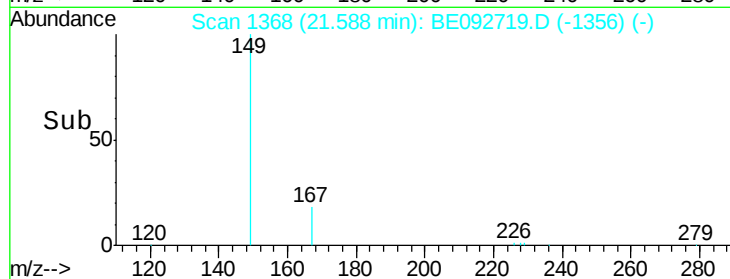
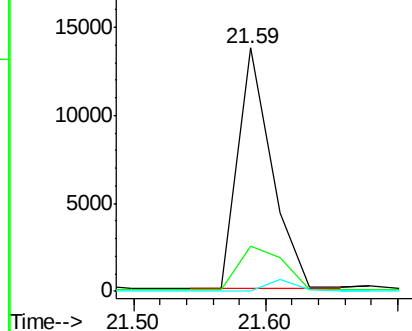
279 0.0 16.0 24.0#



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: 3.93 ng

RT: 26.50 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

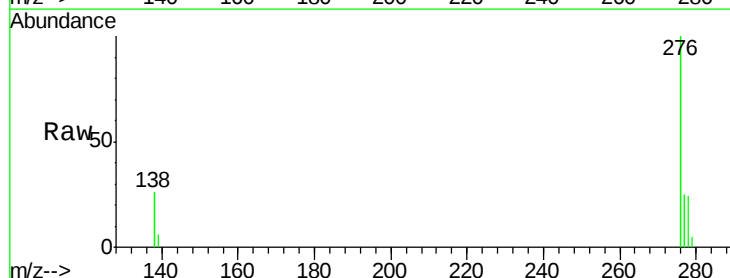
Tgt Ion:276 Resp: 269300

Ion Ratio Lower Upper

276 100

138 27.5 20.3 30.5

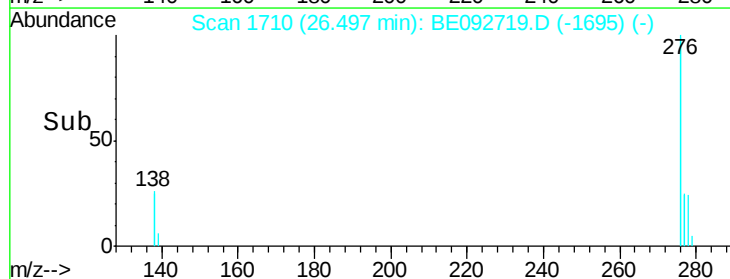
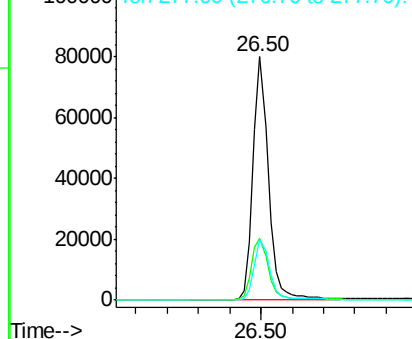
277 24.9 19.7 29.5

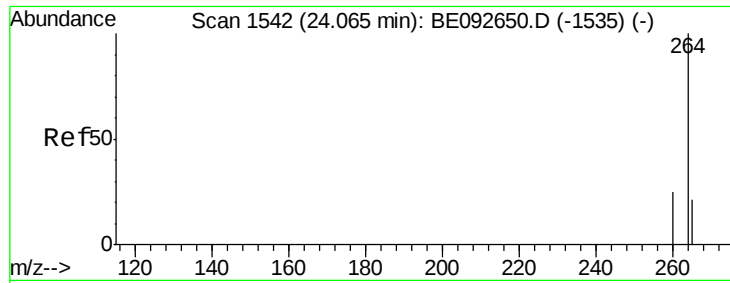


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

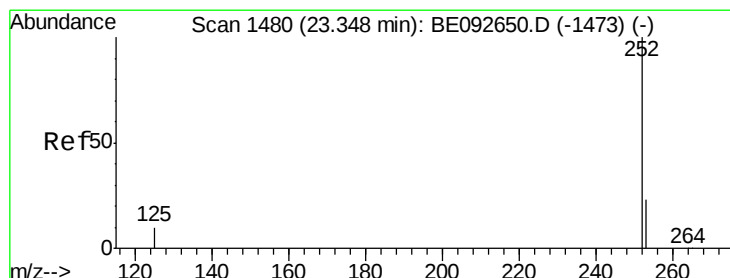
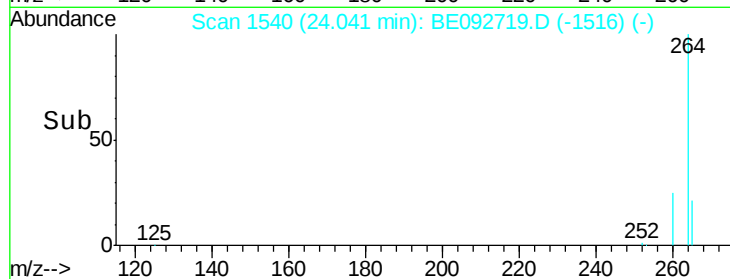
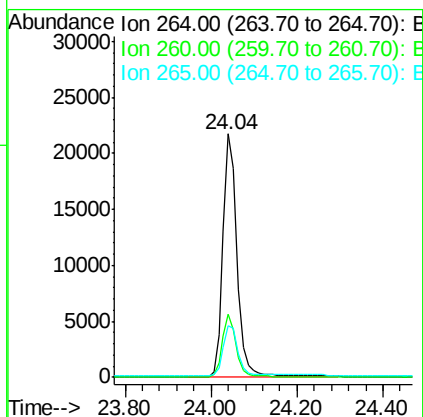
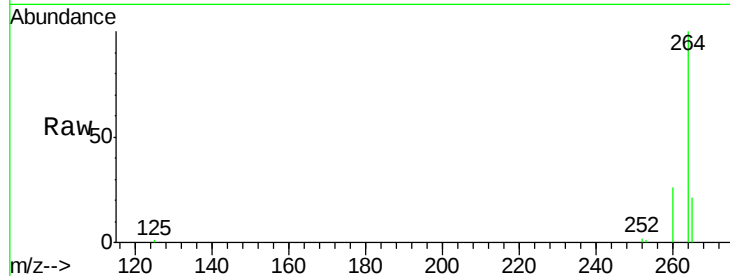




#31  
Perylene-d12  
Concen: 5.00 ng  
RT: 24.04 min Scan# 1540  
Delta R.T. -0.02 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

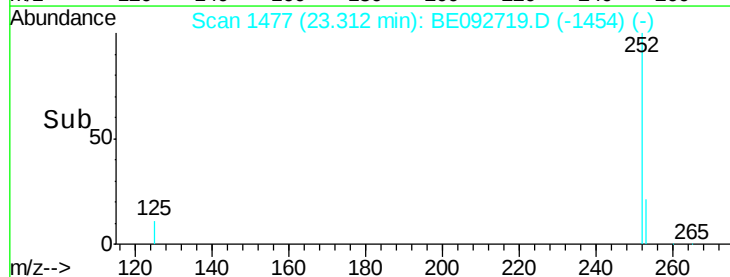
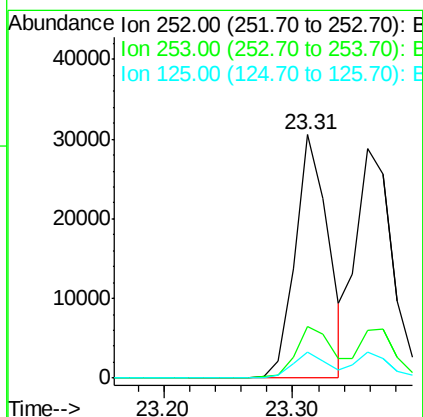
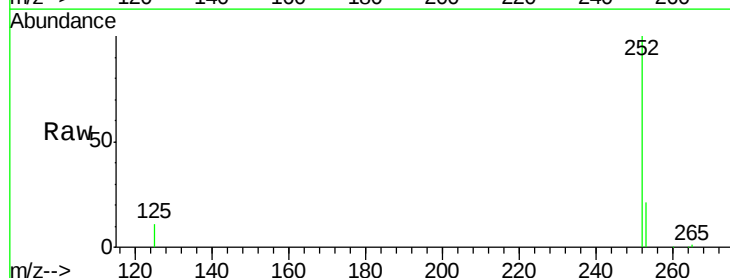
Instrument :  
BNA\_E  
ClientSampleId :  
PB96821BS

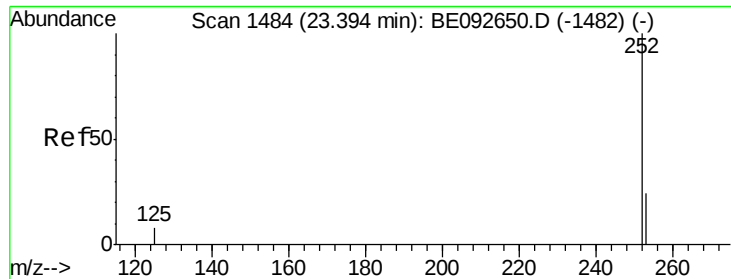
Tgt Ion: 264 Resp: 49454  
Ion Ratio Lower Upper  
264 100  
260 25.7 20.1 30.1  
265 21.4 17.9 26.9



#32  
Benzo(b)fluoranthene  
Concen: 4.54 ng  
RT: 23.31 min Scan# 1477  
Delta R.T. -0.04 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

Tgt Ion: 252 Resp: 54283  
Ion Ratio Lower Upper  
252 100  
253 21.1 18.7 28.1  
125 10.8 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 4.83 ng

RT: 23.36 min Scan# 1481

Delta R.T. -0.04 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

Instrument :

BNA\_E

ClientSampleId :

PB96821BS

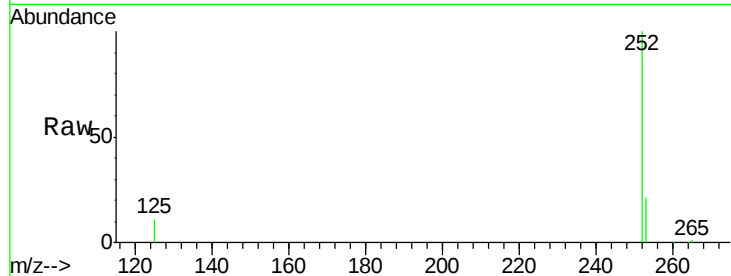
Tgt Ion:252 Resp: 58039

Ion Ratio Lower Upper

252 100

253 20.9 20.3 30.5

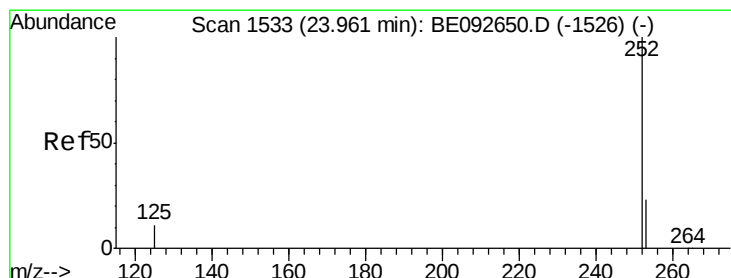
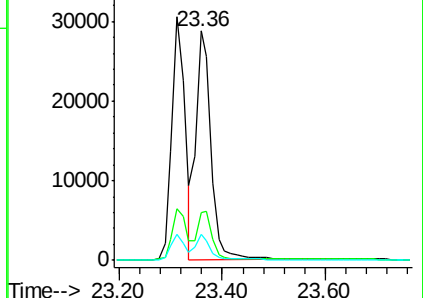
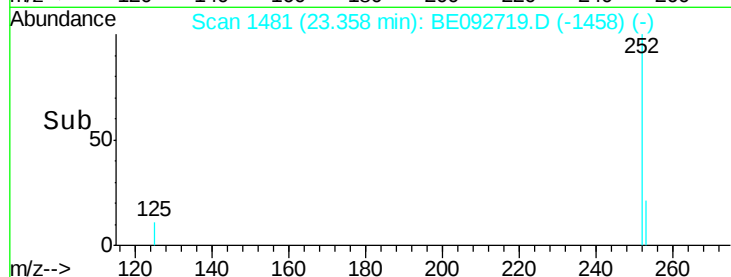
125 11.1 9.6 14.4



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: 4.97 ng

RT: 23.94 min Scan# 1531

Delta R.T. -0.02 min

Lab File: BE092719.D

Acq: 10 Feb 2017 13:36

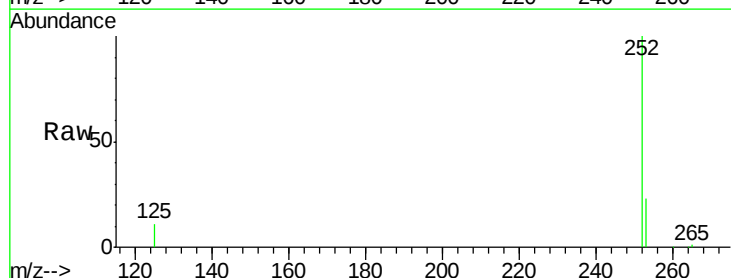
Tgt Ion:252 Resp: 55764

Ion Ratio Lower Upper

252 100

253 23.1 19.0 28.6

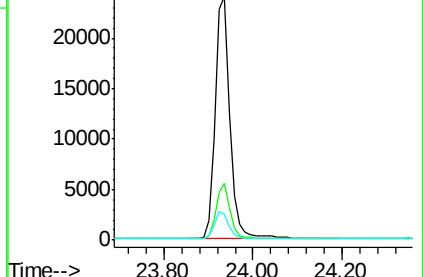
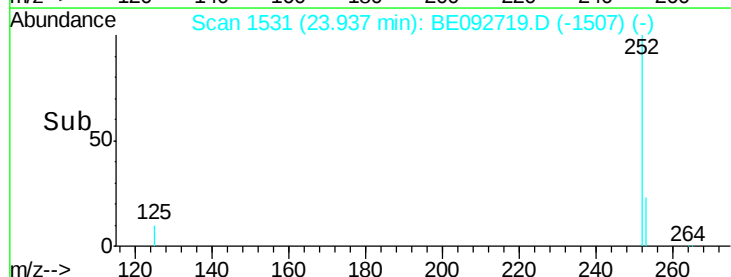
125 10.8 11.8 17.8#

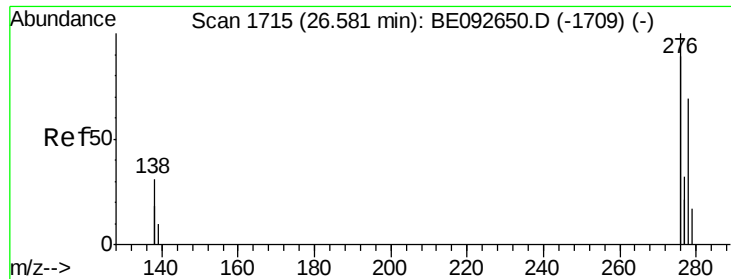


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

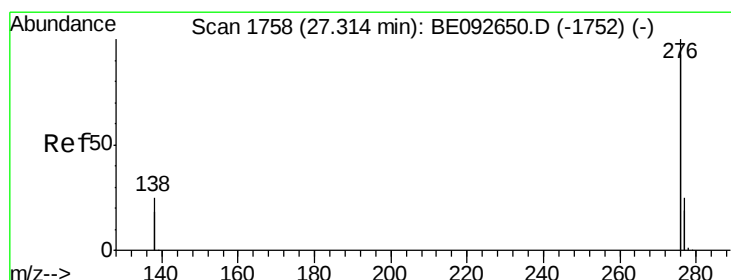
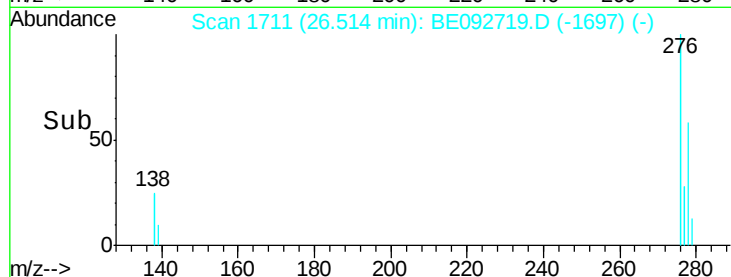
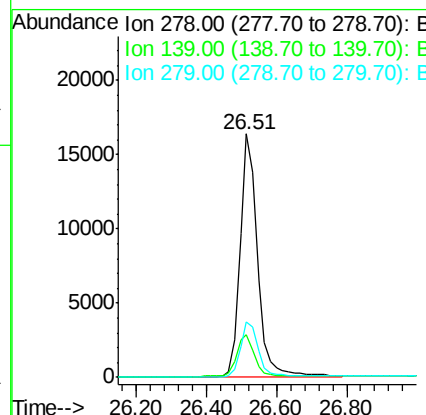
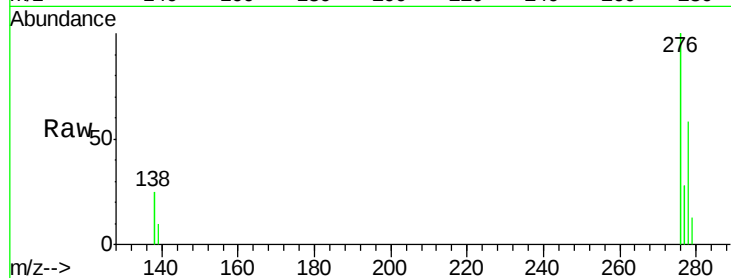




#35  
Dibenzo(a,h)anthracene  
Concen: 5.12 ng  
RT: 26.51 min Scan# 1711  
Delta R.T. -0.07 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

Instrument :  
BNA\_E  
ClientSampleId :  
PB96821BS

Tgt Ion: 278 Resp: 56257  
Ion Ratio Lower Upper  
278 100  
139 17.8 13.8 20.8  
279 23.0 21.4 32.2



#36  
Benzo(g,h,i)perylene  
Concen: 5.09 ng  
RT: 27.26 min Scan# 1755  
Delta R.T. -0.05 min  
Lab File: BE092719.D  
Acq: 10 Feb 2017 13:36

Tgt Ion: 276 Resp: 236464  
Ion Ratio Lower Upper  
276 100  
277 24.4 19.8 29.8  
138 21.3 19.8 29.6

