

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\  
 Data File : BE091660.D  
 Acq On : 18 Apr 2016 11:59  
 Operator : UM/SJ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Quant Time: Apr 18 13:21:55 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 18 13:19:42 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 35861    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.57 | 136  | 171724   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.42 | 164  | 104987   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.15 | 188  | 265584   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.31 | 240  | 324001   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.76 | 264  | 272319   | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 1531 | 0.18 | ng | 0.00 |
| 5) Phenol-d6                | 6.97  | 99  | 1932 | 0.17 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 1486 | 0.15 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.91 | 330 | 810  | 0.45 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.05 | 172 | 5579 | 0.19 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.76 | 244 | 7562 | 0.19 | ng | 0.00 |

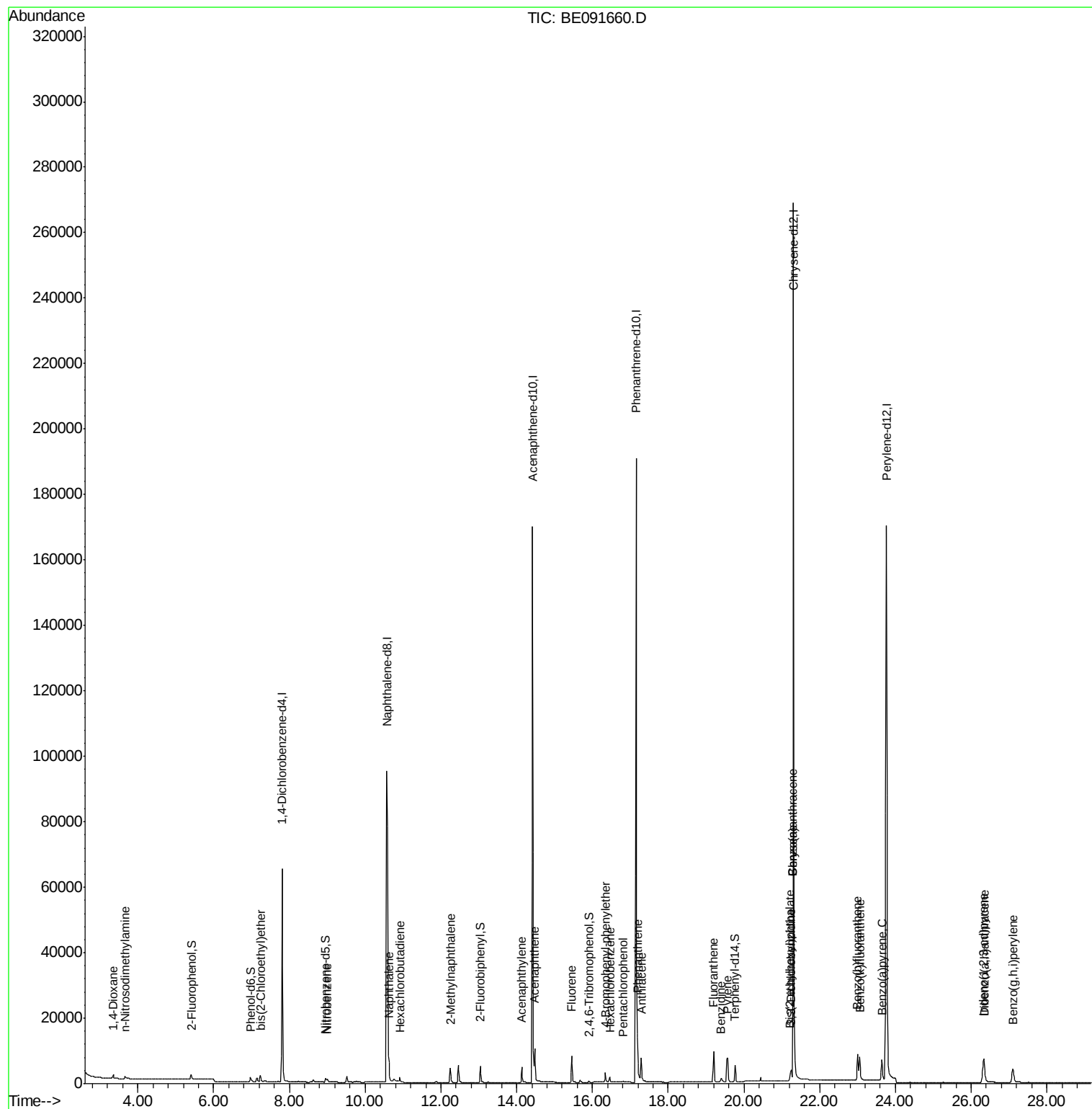
|                                |       |     |       |      |    |        |
|--------------------------------|-------|-----|-------|------|----|--------|
| Target Compounds               |       |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.35  | 88  | 1121  | 0.20 | ng | # 80   |
| 3) n-Nitrosodimethylamine      | 3.66  | 42  | 830   | 0.15 | ng | # 94   |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 1798  | 0.18 | ng | # 79   |
| 9) Nitrobenzene                | 9.00  | 77  | 1509  | 0.29 | ng | 98     |
| 10) Naphthalene                | 10.63 | 128 | 6912  | 0.20 | ng | 99     |
| 11) Hexachlorobutadiene        | 10.92 | 225 | 1490  | 0.29 | ng | # 82   |
| 12) 2-Methylnaphthalene        | 12.25 | 142 | 4259  | 0.19 | ng | 93     |
| 16) Acenaphthylene             | 14.14 | 152 | 7539  | 0.19 | ng | # 69   |
| 17) Acenaphthene               | 14.47 | 154 | 4905  | 0.19 | ng | 85     |
| 18) Fluorene                   | 15.46 | 166 | 5952  | 0.18 | ng | 97     |
| 20) 4-Bromophenyl-phenylether  | 16.34 | 248 | 1634  | 0.17 | ng | 98     |
| 21) Hexachlorobenzene          | 16.47 | 284 | 1907  | 0.20 | ng | 99     |
| 22) Pentachlorophenol          | 16.81 | 266 | 463   | 0.31 | ng | 98     |
| 23) Phenanthrene               | 17.20 | 178 | 12011 | 0.20 | ng | 98     |
| 24) Anthracene                 | 17.29 | 178 | 9695  | 0.18 | ng | 99     |
| 25) Fluoranthene               | 19.20 | 202 | 11273 | 0.18 | ng | 97     |
| 27) Benzidine                  | 19.40 | 184 | 2937  | 0.42 | ng | # 86   |
| 28) Pyrene                     | 19.57 | 202 | 11725 | 0.18 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.29 | 228 | 26919 | 0.37 | ng | 99     |
| 31) 3,3'-Dichlorobenzidine     | 21.24 | 252 | 4225  | 0.24 | ng | # 86   |
| 32) Chrysene                   | 21.29 | 228 | 27118 | 0.41 | ng | 96     |
| 33) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 2122  | 0.30 | ng | # 84   |
| 34) Indeno(1,2,3-cd)pyrene     | 26.32 | 276 | 12305 | 0.17 | ng | 97     |
| 36) Benzo(b)fluoranthene       | 23.00 | 252 | 11133 | 0.18 | ng | 96     |
| 37) Benzo(k)fluoranthene       | 23.06 | 252 | 11840 | 0.19 | ng | 96     |
| 38) Benzo(a)pyrene             | 23.65 | 252 | 10382 | 0.18 | ng | # 93   |
| 39) Dibenzo(a,h)anthracene     | 26.34 | 278 | 9889  | 0.17 | ng | 97     |
| 40) Benzo(g,h,i)perylene       | 27.10 | 276 | 10628 | 0.18 | ng | 96     |

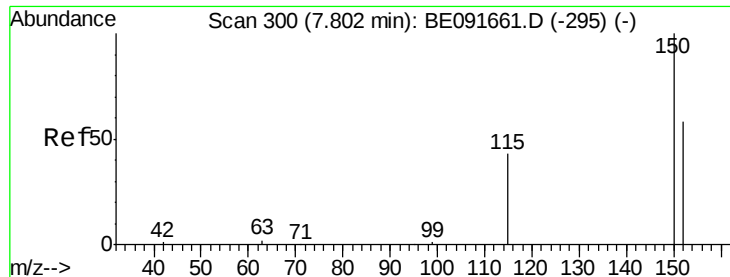
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 18 13:19:42 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

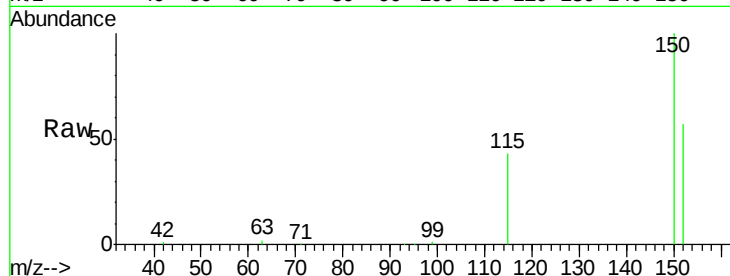
Tot Ion:152 Resp: 35861

Ion Ratio Lower Upper

152 100

150 174.2 122.6 183.8

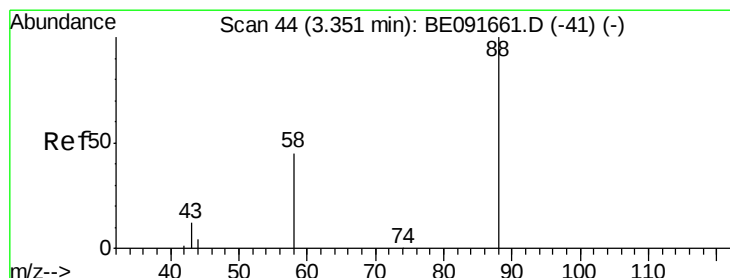
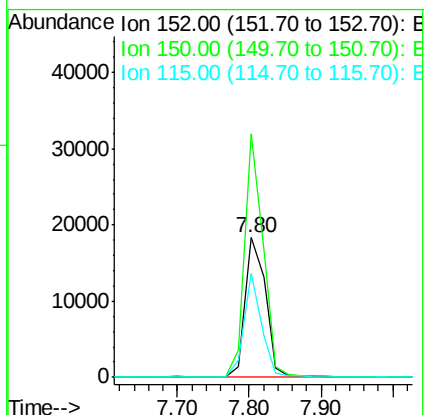
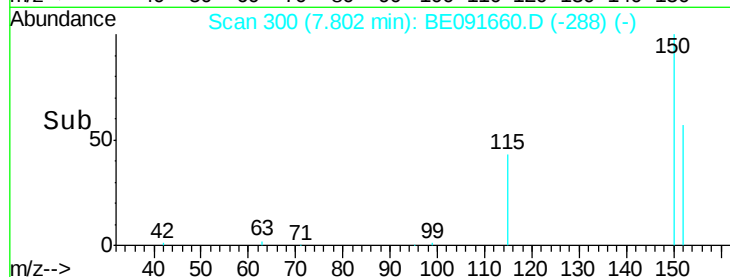
115 74.3 52.8 79.2



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: 0.20 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

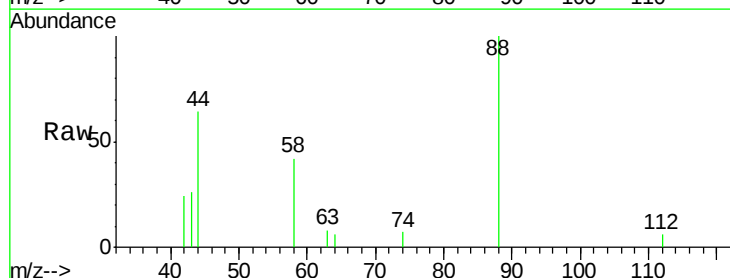
Tgt Ion: 88 Resp: 1121

Ion Ratio Lower Upper

88 100

58 58.9 65.8 98.6#

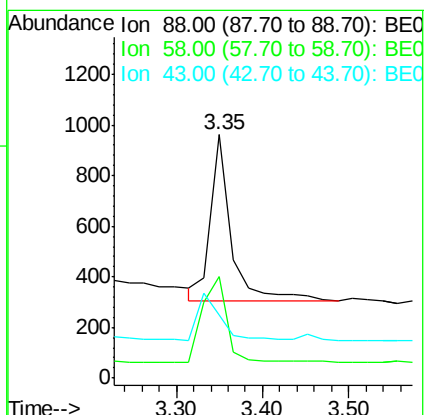
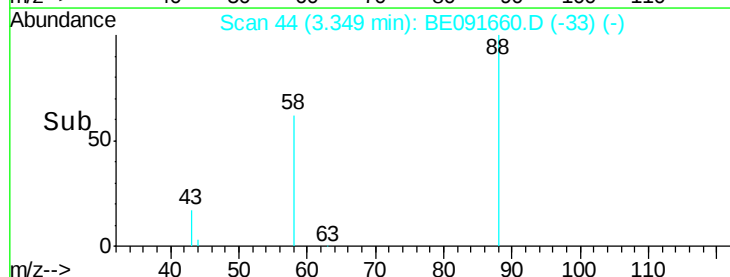
43 29.6 25.3 37.9

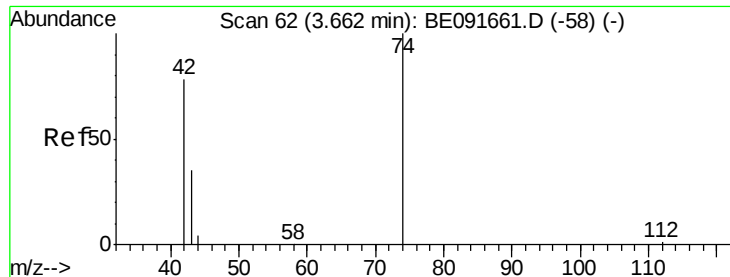


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.66 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

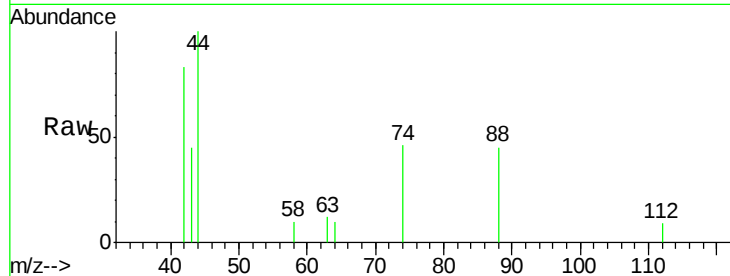
Tot Ion: 42 Resp: 830

Ion Ratio Lower Upper

42 100

74 112.5 87.9 131.9

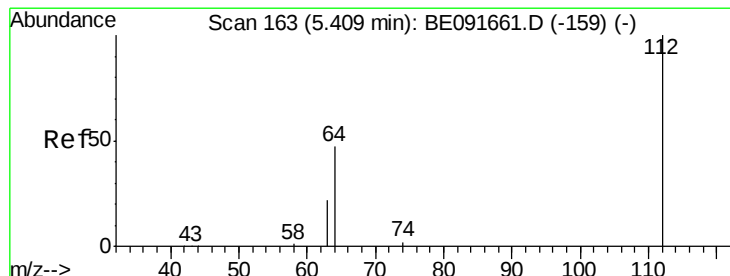
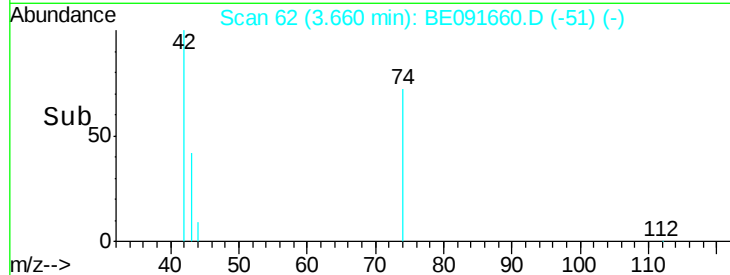
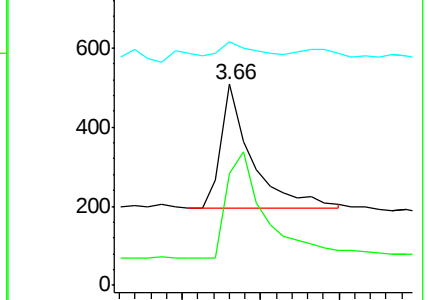
44 29.5 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.18 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

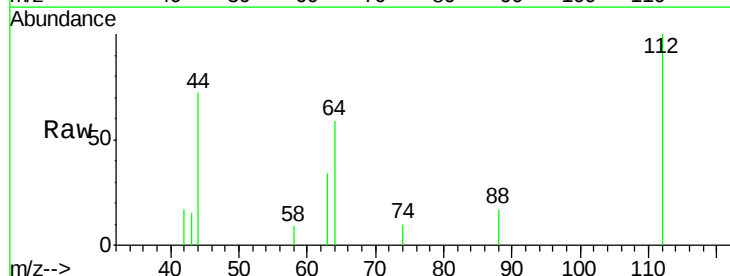
Tgt Ion: 112 Resp: 1531

Ion Ratio Lower Upper

112 100

64 69.4 30.9 46.3#

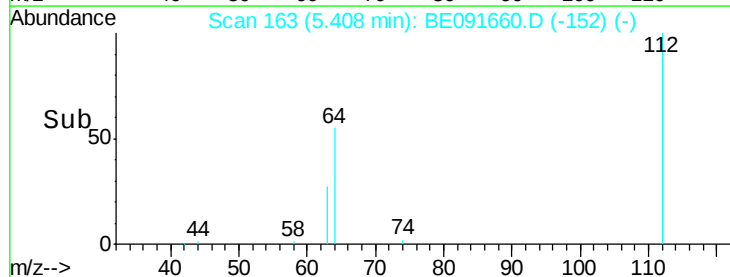
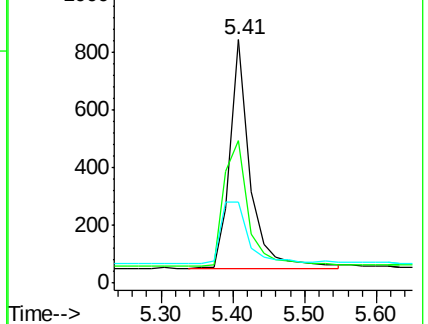
63 37.2 16.7 25.1#

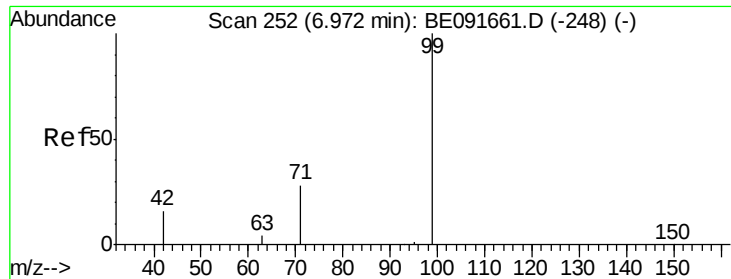


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.17 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

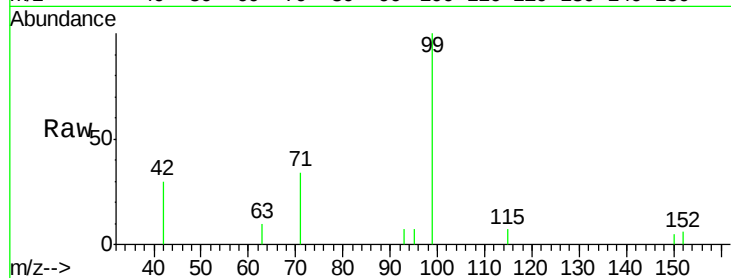
BNA\_E

ClientSampleId :

SSTDIC0.2

Tot Ion: 99 Resp: 1932

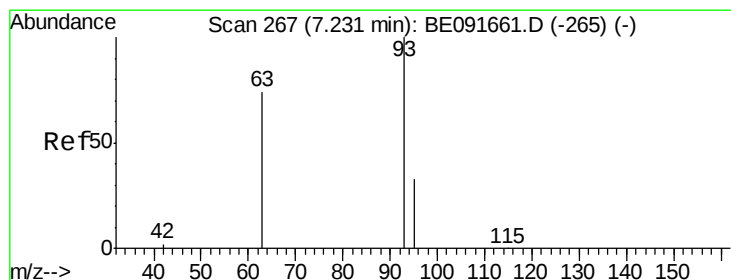
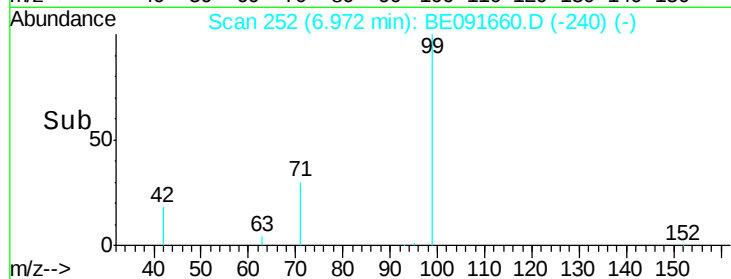
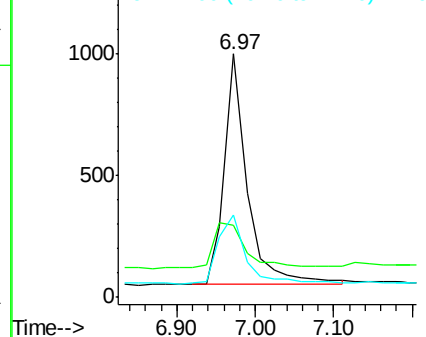
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.3  | 16.2  | 24.2# |
| 71  | 36.4  | 29.0  | 43.4  |



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: 0.18 ng

RT: 7.23 min Scan# 267

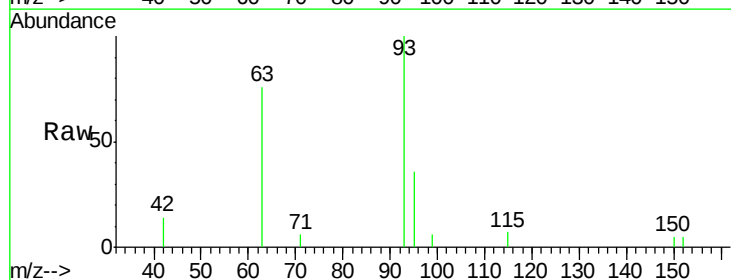
Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Tgt Ion: 93 Resp: 1798

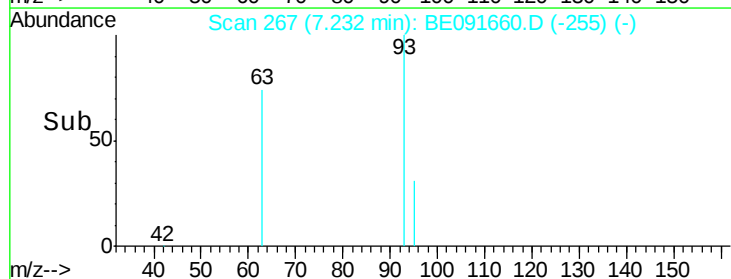
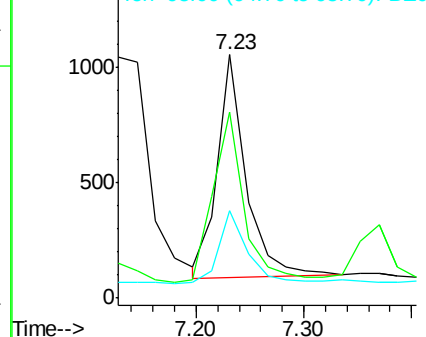
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 82.0  | 49.5  | 74.3# |
| 95  | 33.5  | 22.2  | 33.4# |

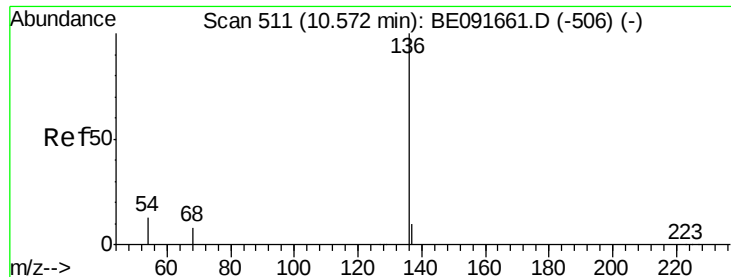


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

Tot Ion:136 Resp: 171724

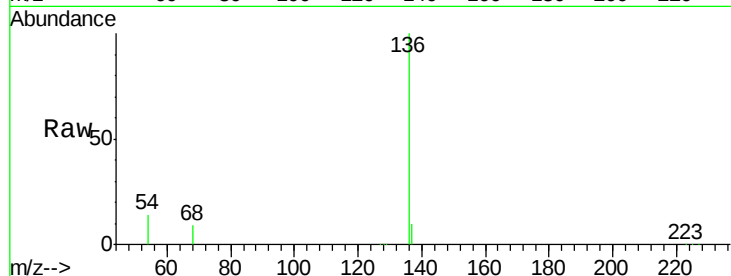
Ion Ratio Lower Upper

136 100

137 9.8 8.9 13.3

54 14.0 8.2 12.4#

68 9.1 6.2 9.4

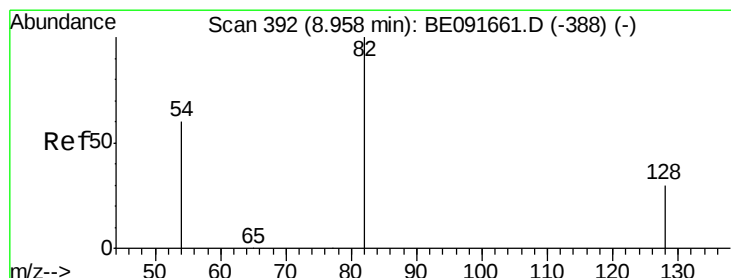
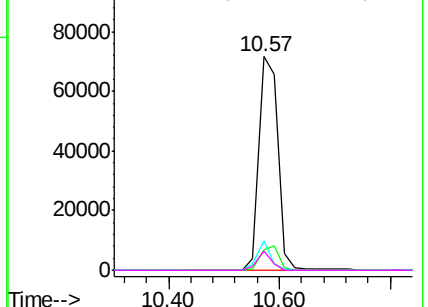
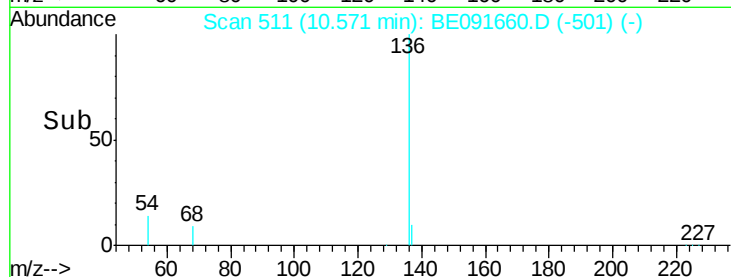


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.15 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

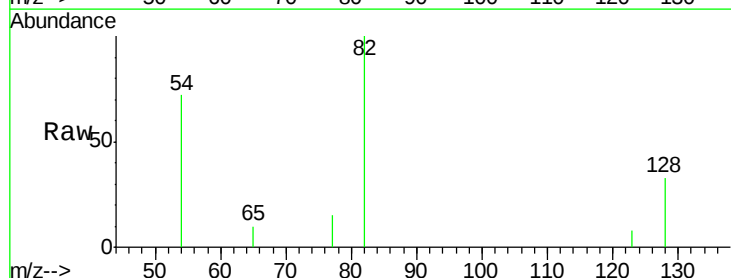
Tgt Ion: 82 Resp: 1486

Ion Ratio Lower Upper

82 100

128 33.4 25.4 38.0

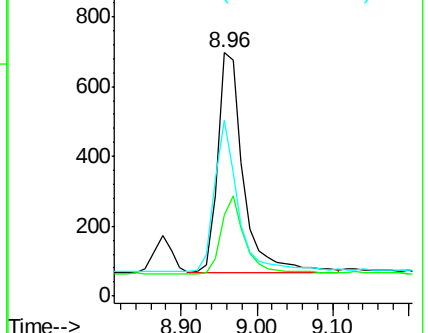
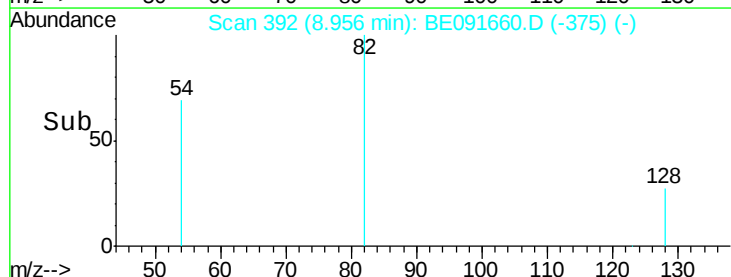
54 72.2 48.4 72.6

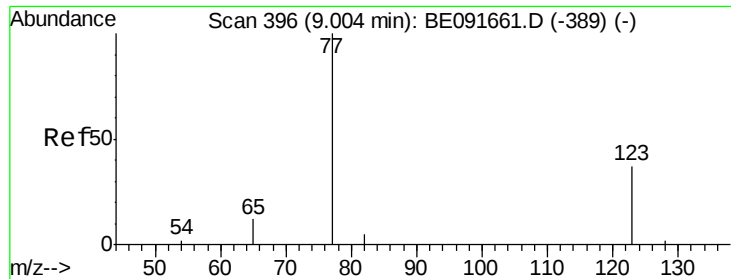


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.29 ng

RT: 9.00 min Scan# 396

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

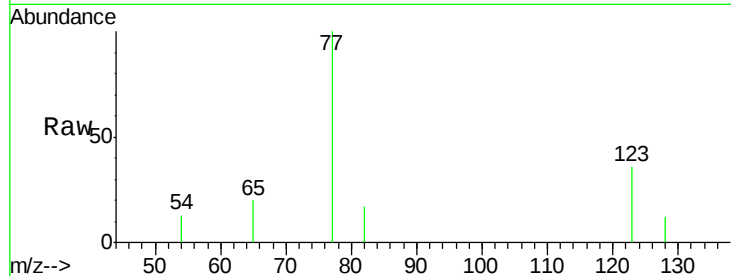
Tot Ion: 77 Resp: 1509

Ion Ratio Lower Upper

77 100

123 34.1 26.9 40.3

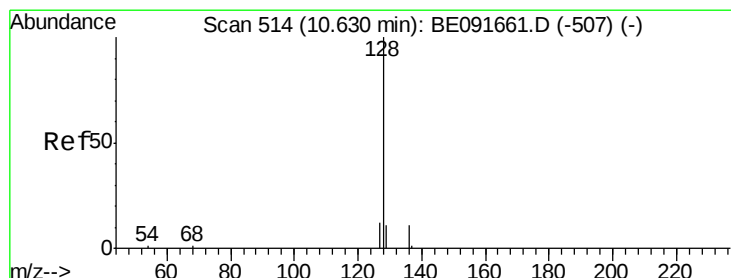
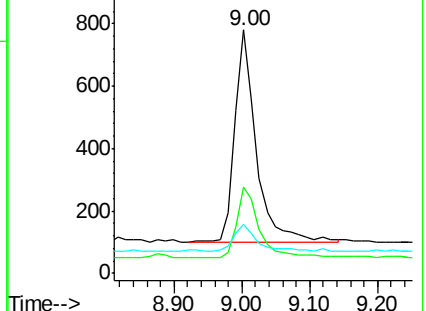
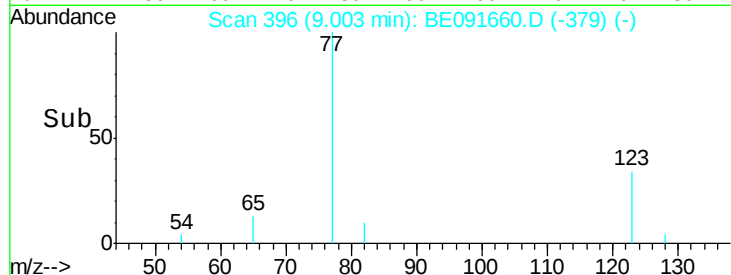
65 13.4 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091660.D (-379) (-)

Ion 123.00 (122.70 to 123.70): BE091660.D (-379) (-)

Ion 65.00 (64.70 to 65.70): BE091660.D (-379) (-)



#10

Naphthalene

Concen: 0.20 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

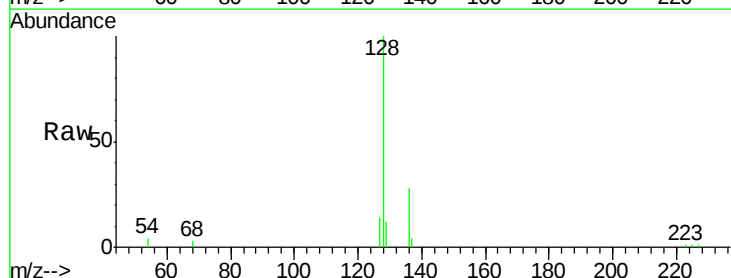
Tgt Ion: 128 Resp: 6912

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

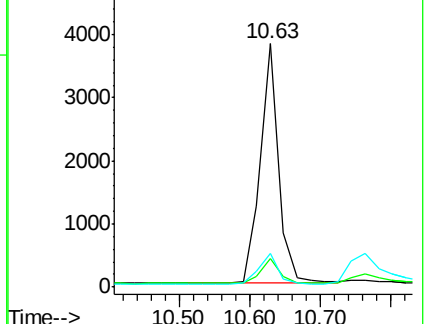
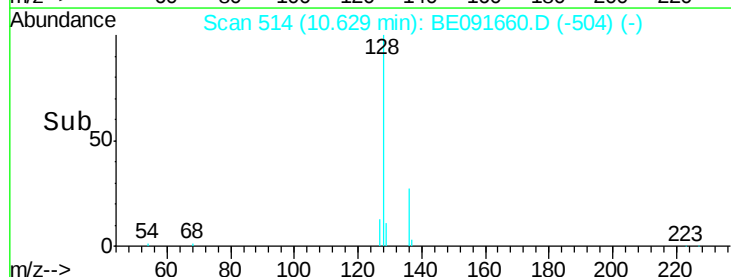
127 13.8 10.7 16.1

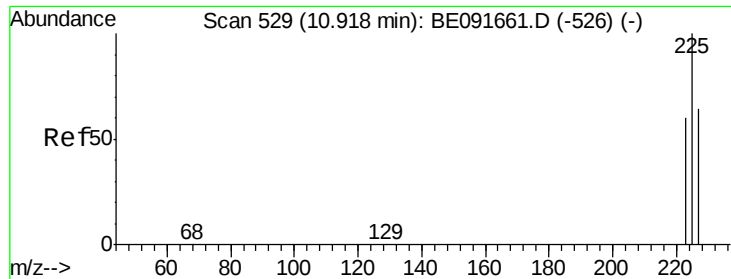


Abundance Ion 128.00 (127.70 to 128.70): BE091660.D (-504) (-)

Ion 129.00 (128.70 to 129.70): BE091660.D (-504) (-)

Ion 127.00 (126.70 to 127.70): BE091660.D (-504) (-)

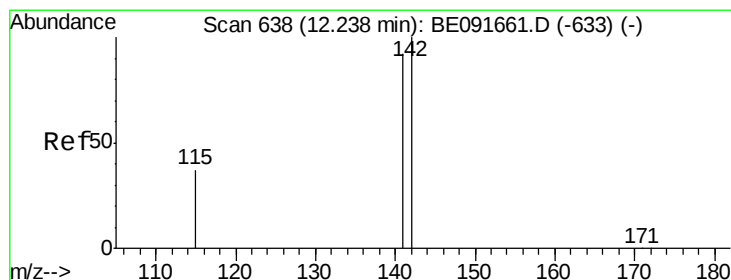
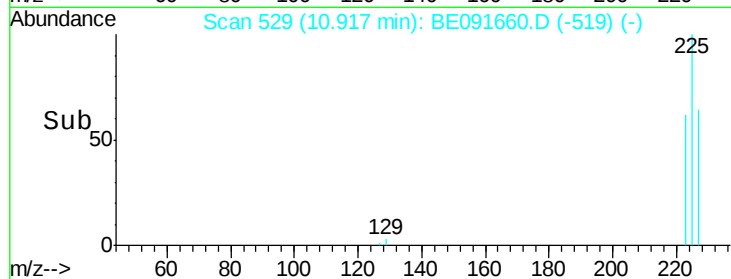
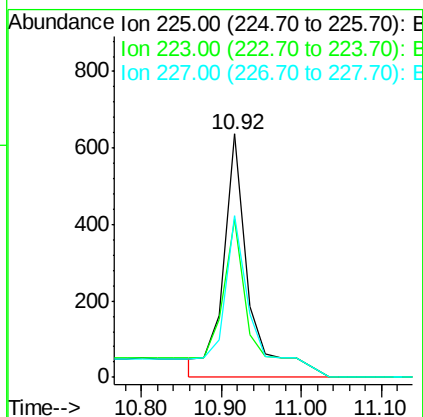
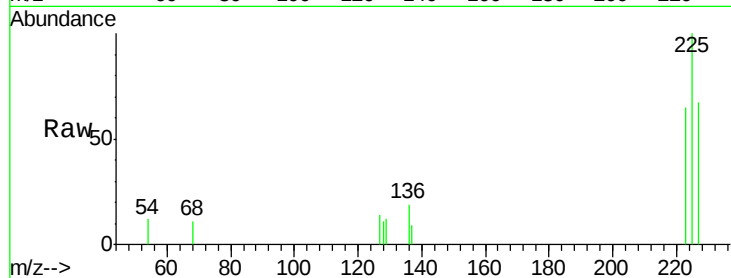




#11  
Hexachlorobutadiene  
Concen: 0.29 ng  
RT: 10.92 min Scan# 529  
Delta R.T. -0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

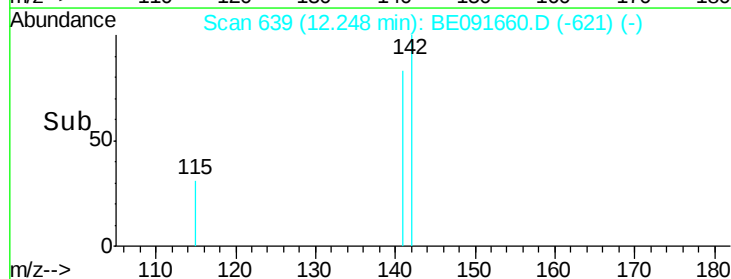
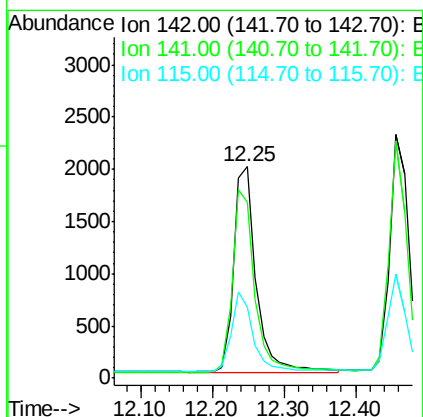
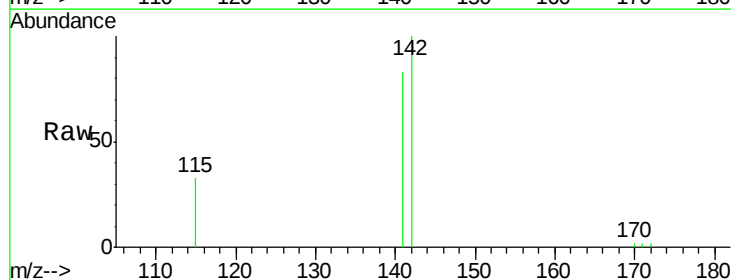
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

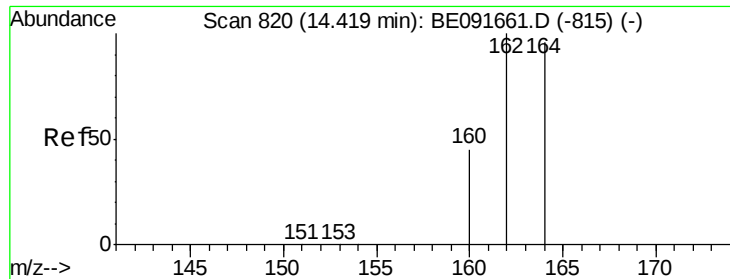
Tot Ion:225 Resp: 1490  
Ion Ratio Lower Upper  
225 100  
223 74.0 49.0 73.6#  
227 78.1 50.3 75.5#



#12  
2-Methylnaphthalene  
Concen: 0.19 ng  
RT: 12.25 min Scan# 639  
Delta R.T. 0.01 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

Tgt Ion:142 Resp: 4259  
Ion Ratio Lower Upper  
142 100  
141 83.5 71.4 107.0  
115 33.3 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

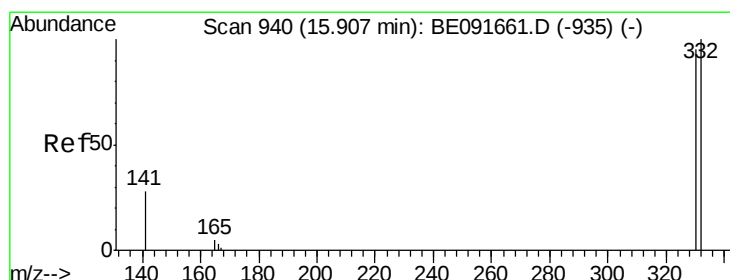
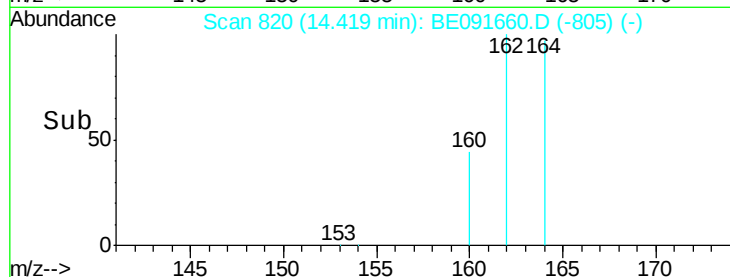
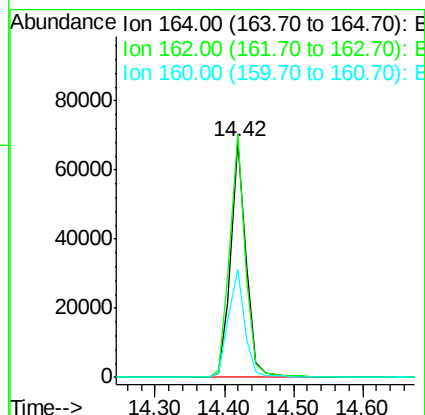
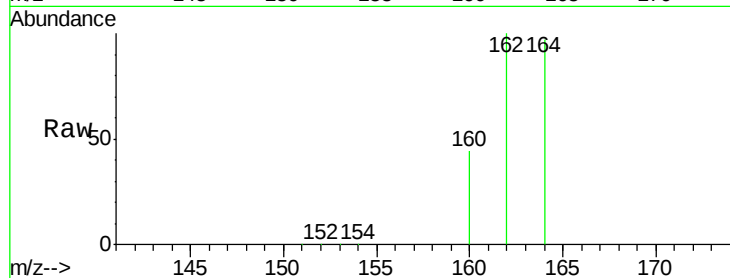
Tot Ion:164 Resp: 104987

Ion Ratio Lower Upper

164 100

162 103.3 85.3 127.9

160 45.7 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 0.45 ng

RT: 15.91 min Scan# 940

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

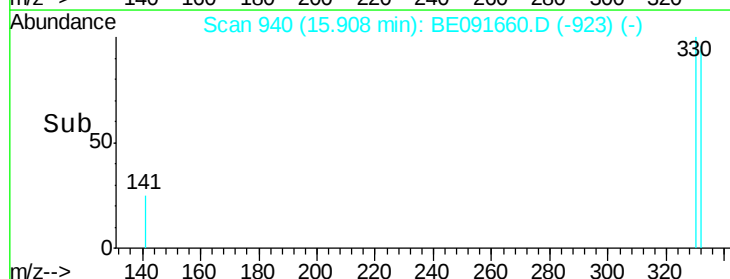
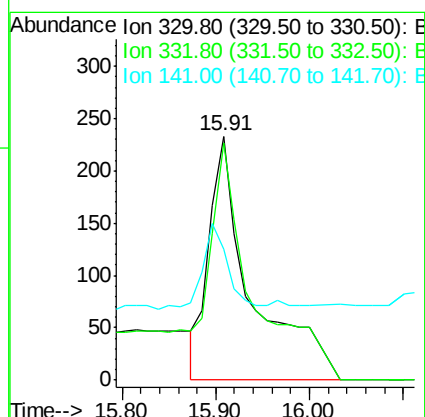
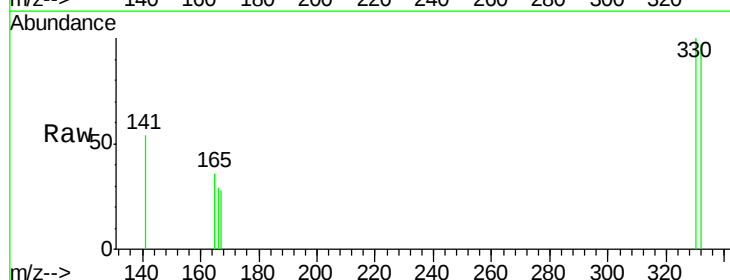
Tgt Ion:330 Resp: 810

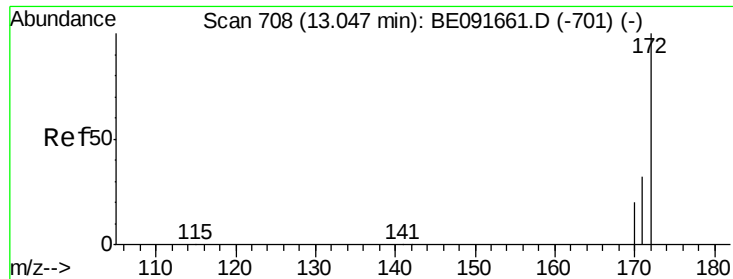
Ion Ratio Lower Upper

330 100

332 97.7 79.1 118.7

141 18.8 125.4 188.0#

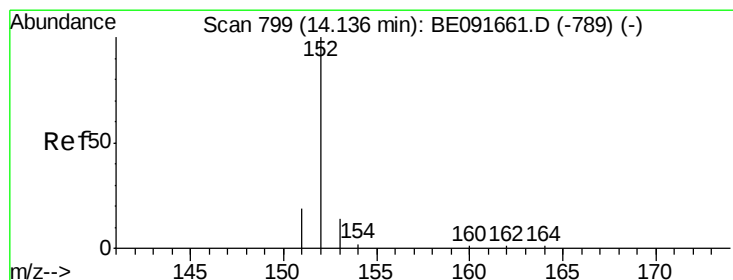
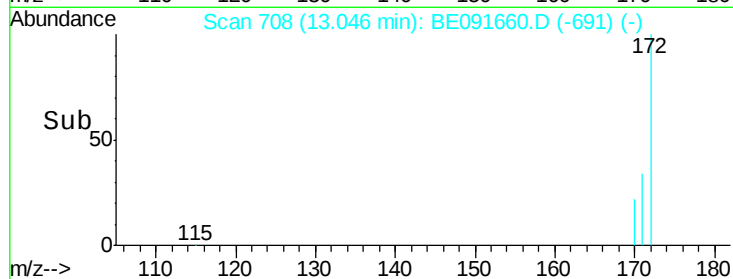
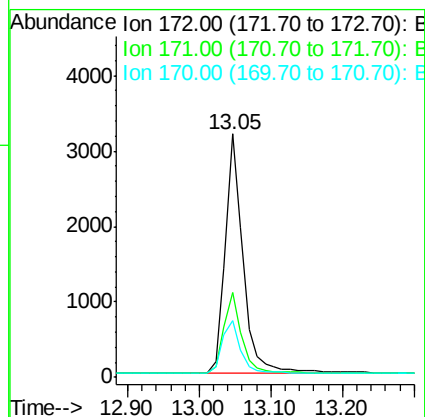
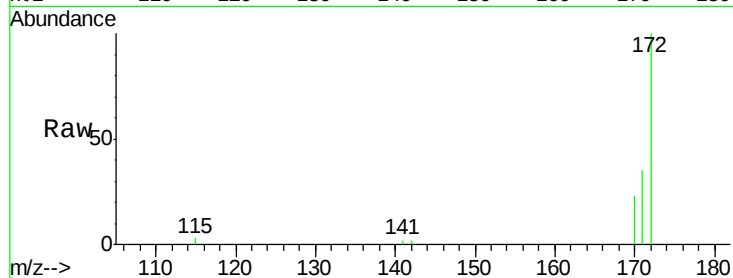




#15  
2-Fluorobiphenyl  
Concen: 0.19 ng  
RT: 13.05 min Scan# 708  
Delta R.T. -0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

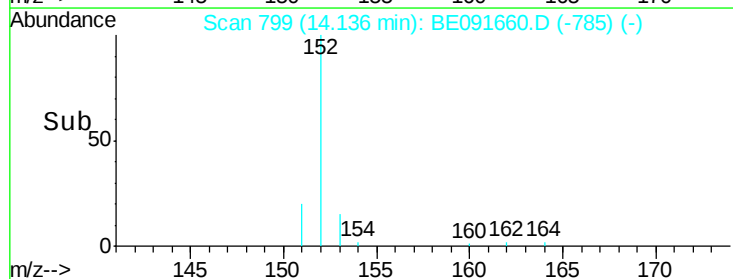
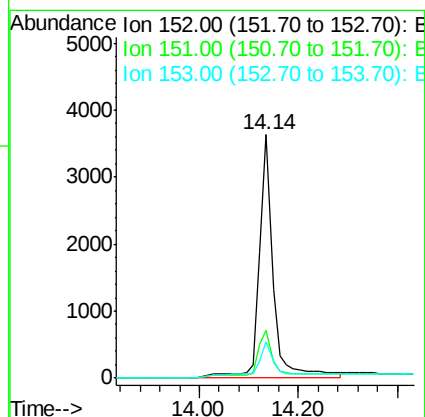
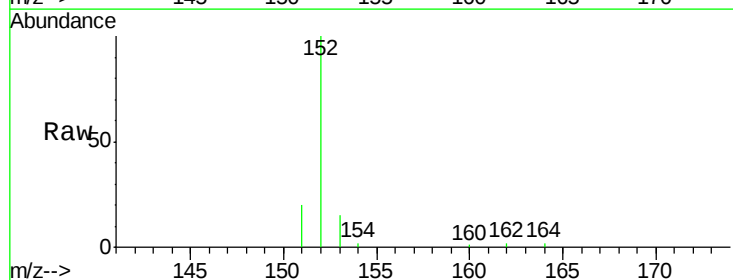
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

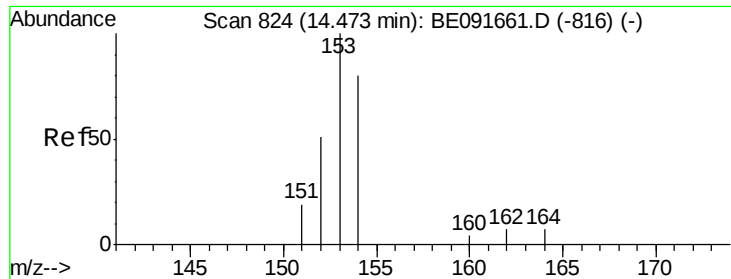
Tot Ion:172 Resp: 5579  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.8 43.2  
170 23.4 19.3 28.9



#16  
Acenaphthylene  
Concen: 0.19 ng  
RT: 14.14 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

Tgt Ion:152 Resp: 7539  
Ion Ratio Lower Upper  
152 100  
151 18.6 3.9 5.9#  
153 23.9 10.3 15.5#

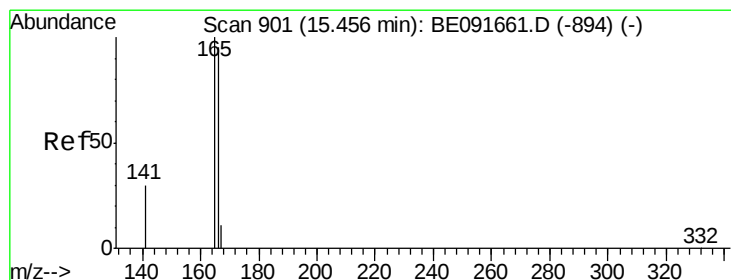
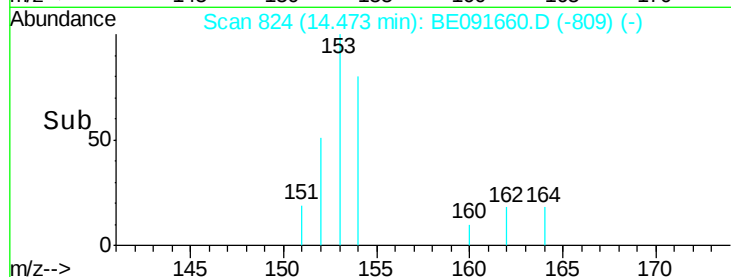
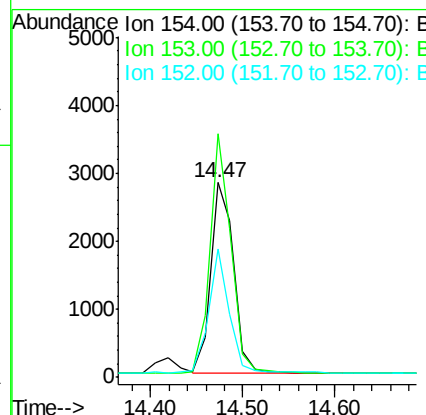
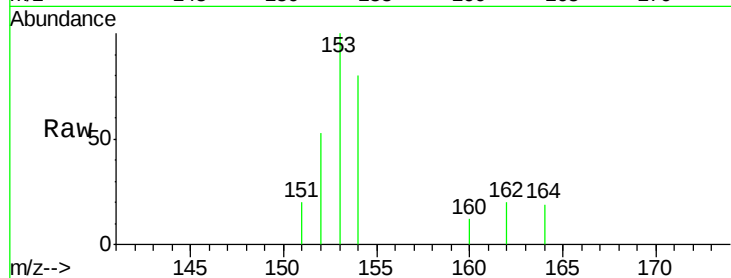




#17  
Acenaphthene  
Concen: 0.19 ng  
RT: 14.47 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

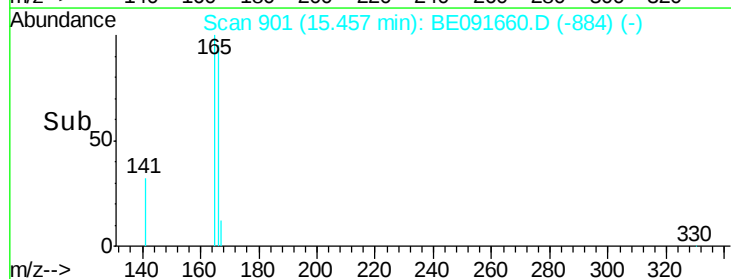
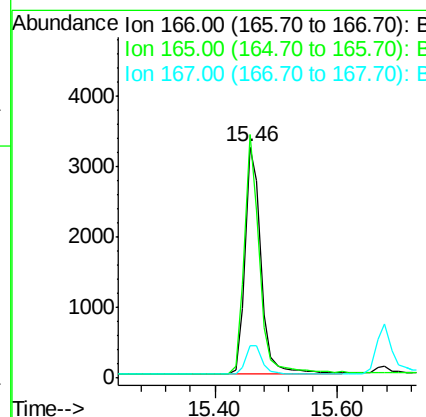
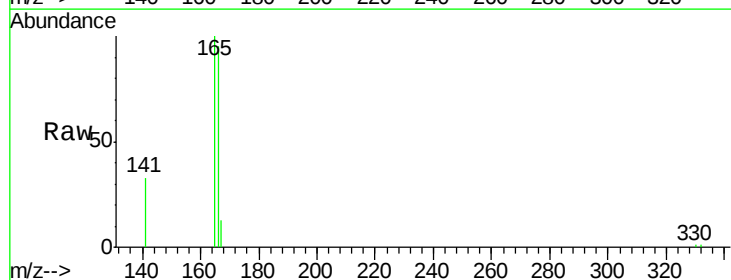
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

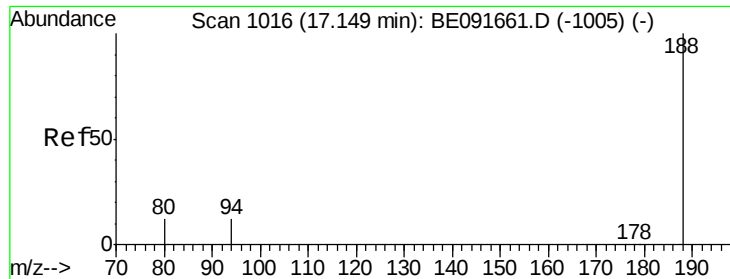
Tot Ion:154 Resp: 4905  
Ion Ratio Lower Upper  
154 100  
153 116.5 80.0 120.0  
152 57.9 40.0 60.0



#18  
Fluorene  
Concen: 0.18 ng  
RT: 15.46 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

Tgt Ion:166 Resp: 5952  
Ion Ratio Lower Upper  
166 100  
165 97.7 80.8 121.2  
167 13.3 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

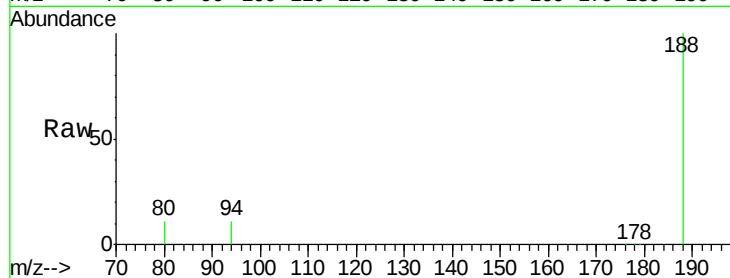
Tot Ion:188 Resp: 265584

Ion Ratio Lower Upper

188 100

94 11.0 8.7 13.1

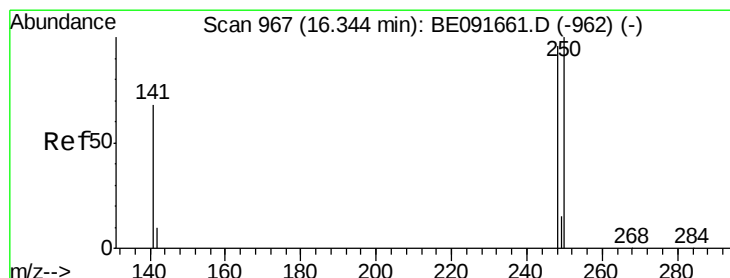
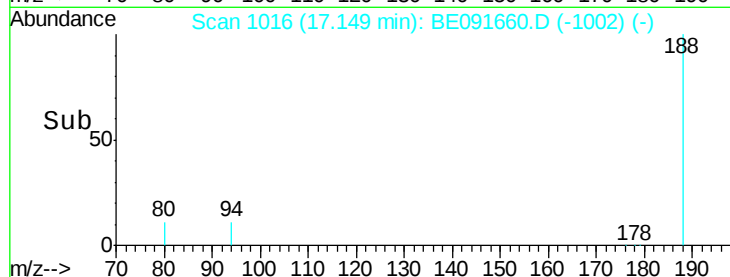
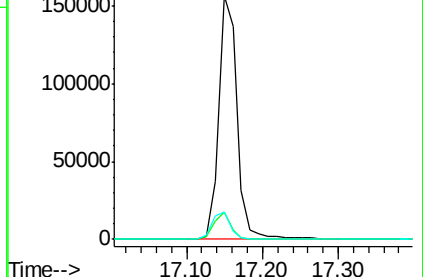
80 11.0 9.4 14.0



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: 0.17 ng

RT: 16.34 min Scan# 967

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

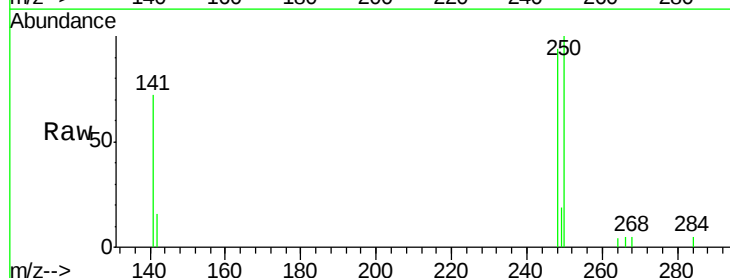
Tgt Ion:248 Resp: 1634

Ion Ratio Lower Upper

248 100

250 100.5 80.5 120.7

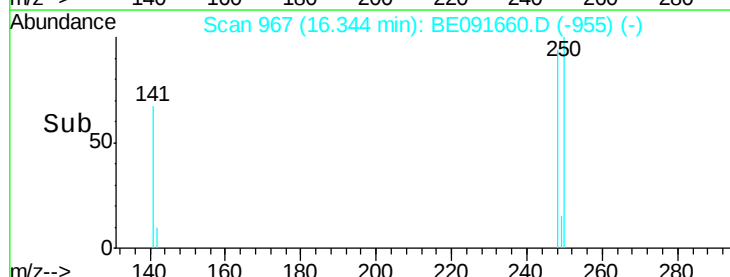
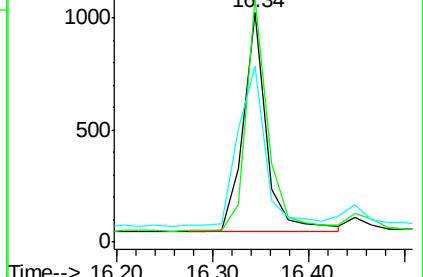
141 86.8 72.0 108.0

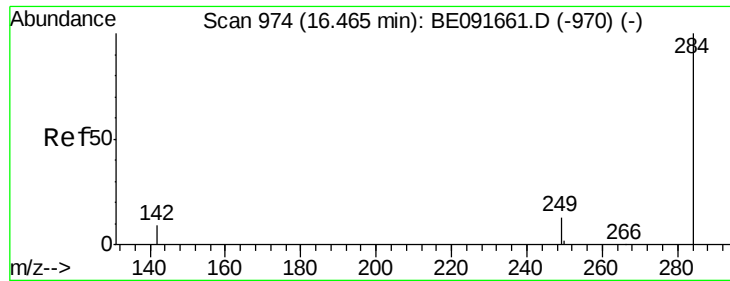


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

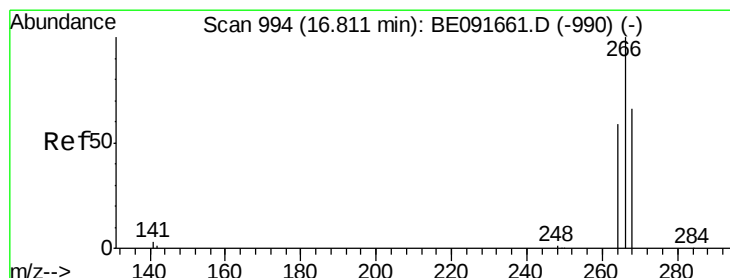
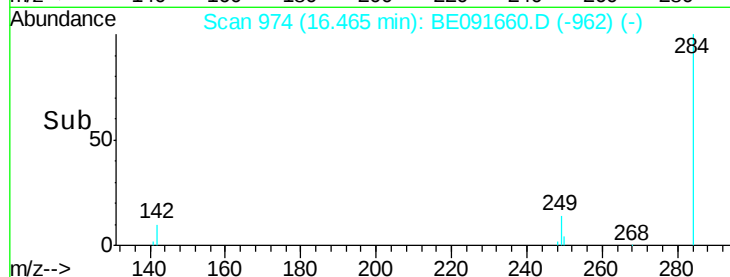
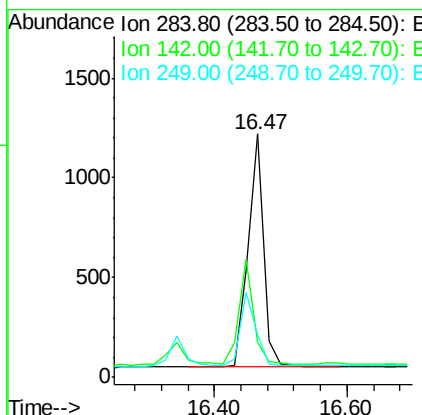
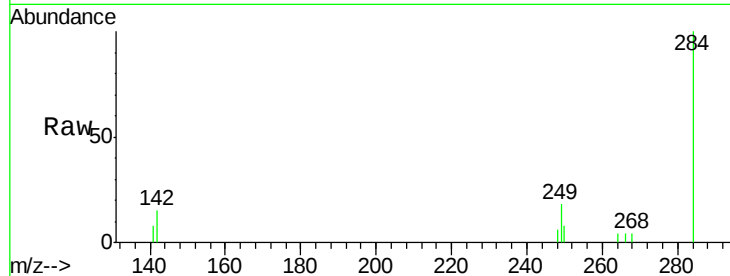




#21  
Hexachlorobenzene  
Concen: 0.20 ng  
RT: 16.47 min Scan# 974  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

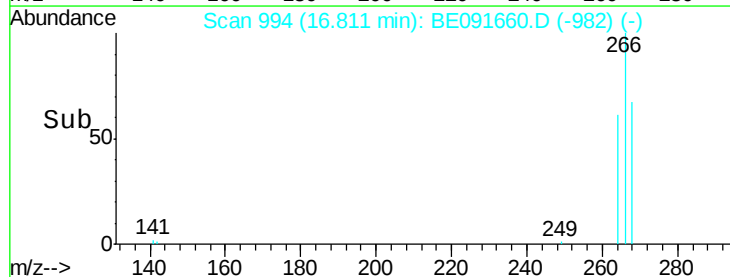
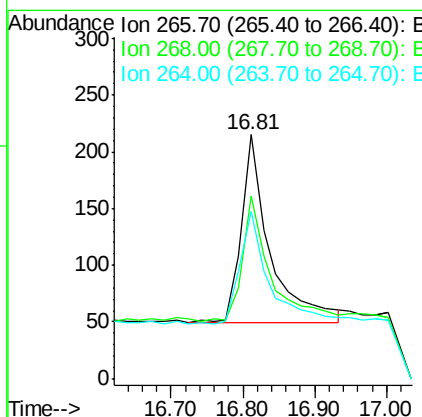
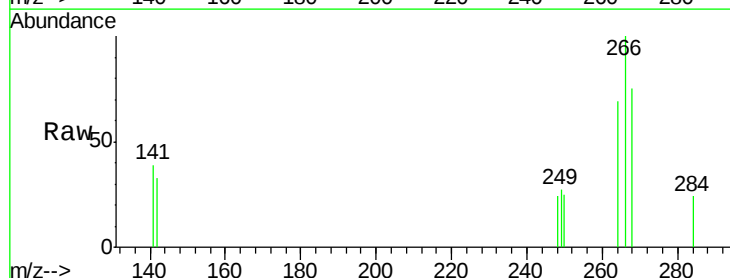
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

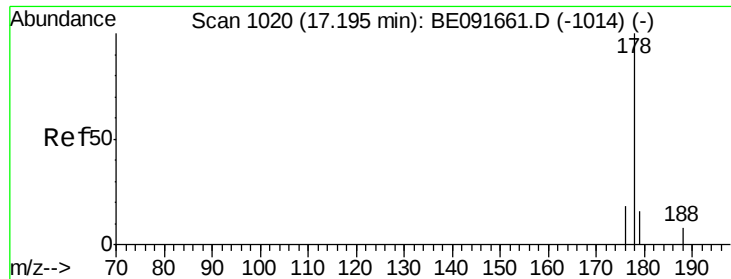
Tot Ion:284 Resp: 1907  
Ion Ratio Lower Upper  
284 100  
142 41.4 32.2 48.2  
249 31.9 25.4 38.2



#22  
Pentachlorophenol  
Concen: 0.31 ng  
RT: 16.81 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

Tgt Ion:266 Resp: 463  
Ion Ratio Lower Upper  
266 100  
268 74.9 58.2 87.2  
264 68.8 56.2 84.4





#23

Phenanthrene

Concen: 0.20 ng

RT: 17.20 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

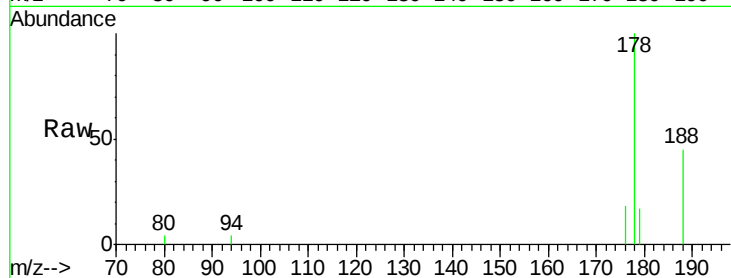
Tot Ion:178 Resp: 12011

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

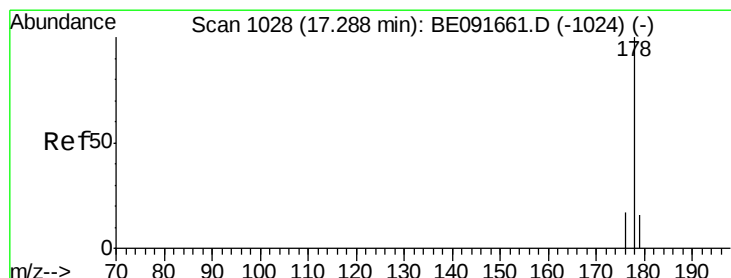
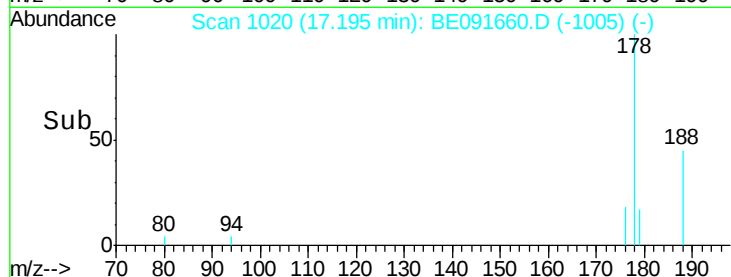
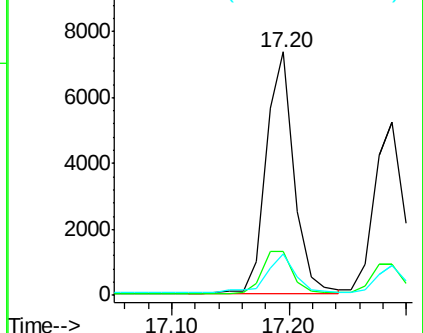
179 17.0 12.6 18.8



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: 0.18 ng

RT: 17.29 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

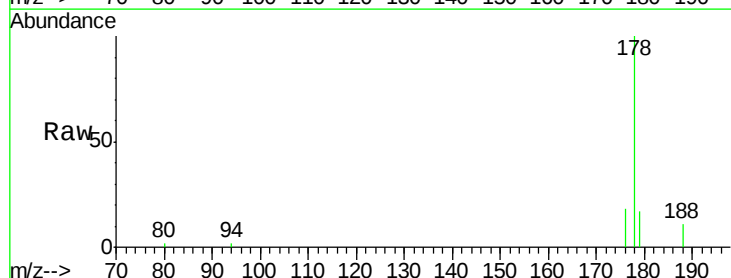
Tgt Ion:178 Resp: 9695

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

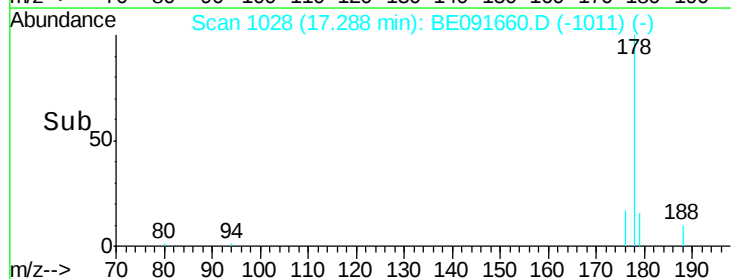
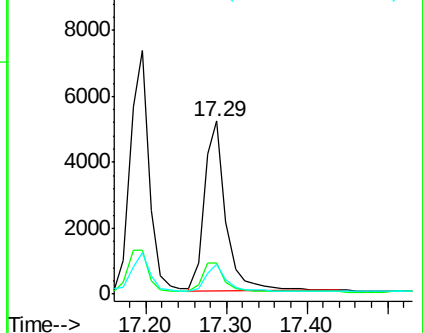
179 15.0 11.8 17.6

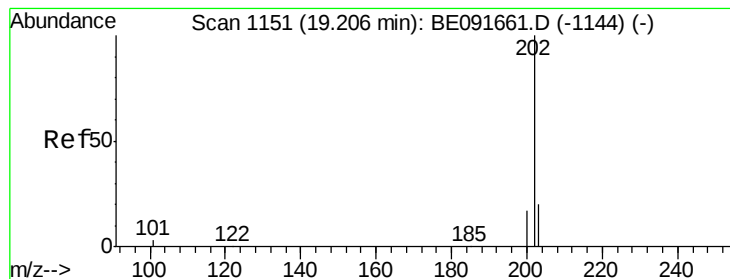


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.18 ng

RT: 19.20 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

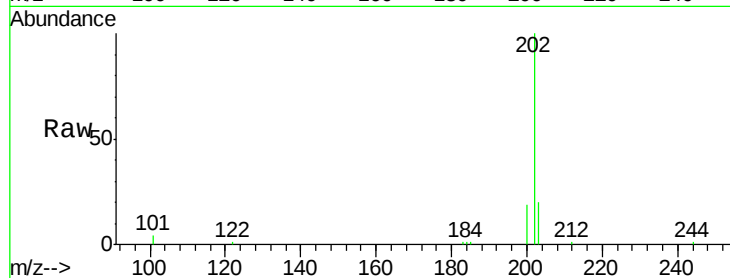
Tot Ion:202 Resp: 11273

Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.6

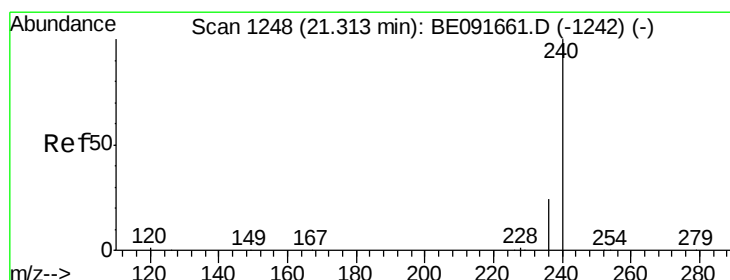
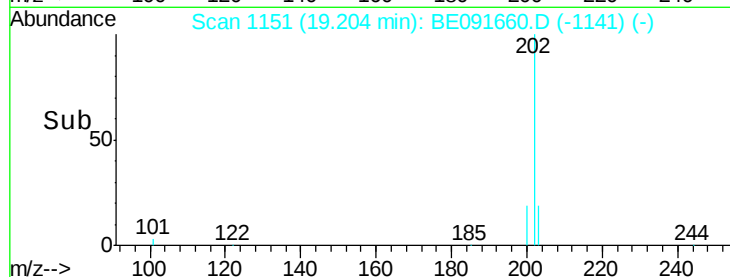
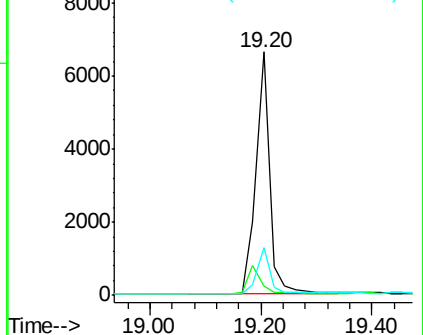
203 17.8 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

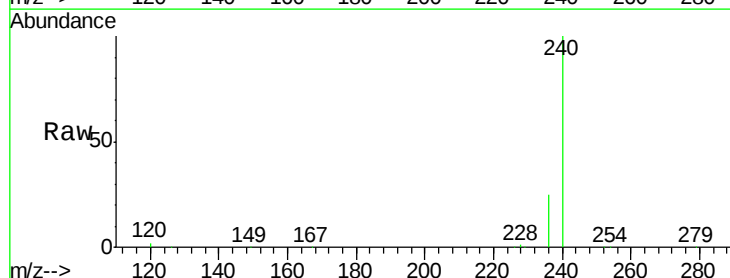
Tgt Ion:240 Resp: 324001

Ion Ratio Lower Upper

240 100

120 1.8 11.0 16.4#

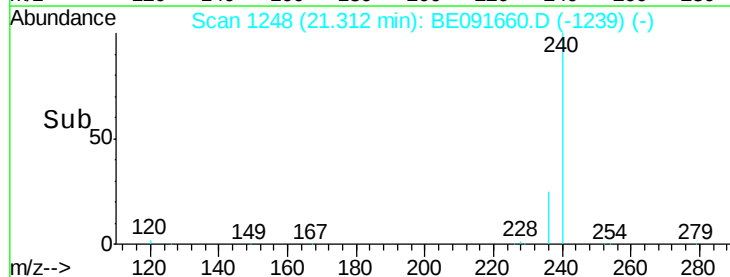
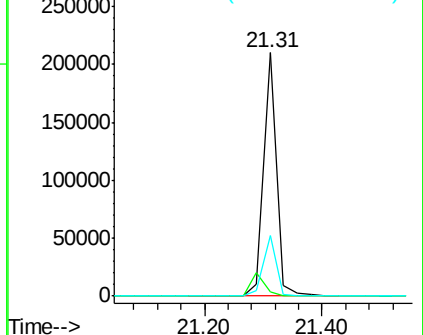
236 24.9 21.7 32.5

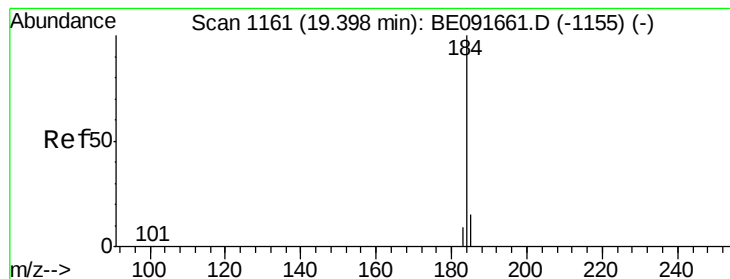


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.42 ng

RT: 19.40 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

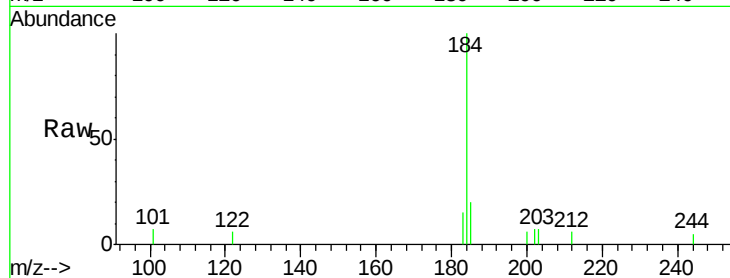
Tot Ion:184 Resp: 2937

Ion Ratio Lower Upper

184 100

185 19.7 22.3 33.5#

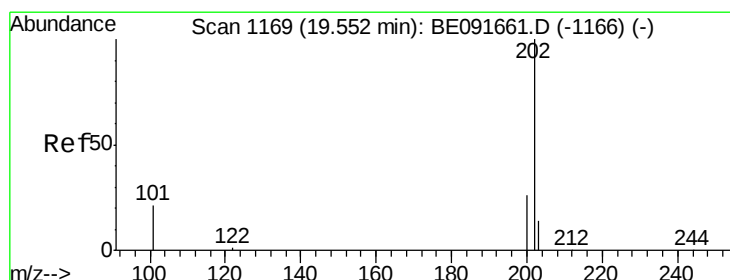
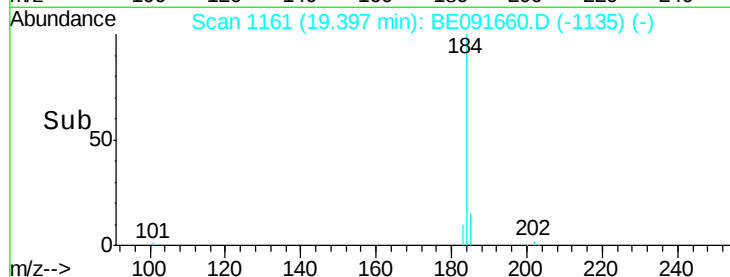
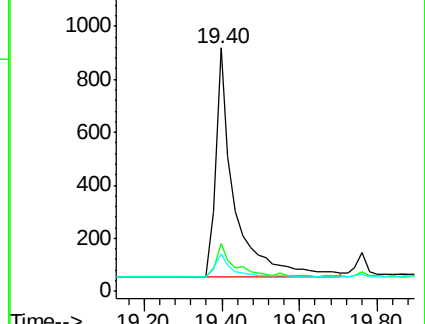
183 15.1 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.18 ng

RT: 19.57 min Scan# 1170

Delta R.T. 0.02 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

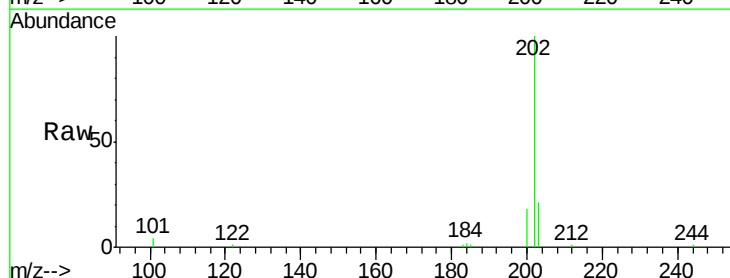
Tgt Ion:202 Resp: 11725

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

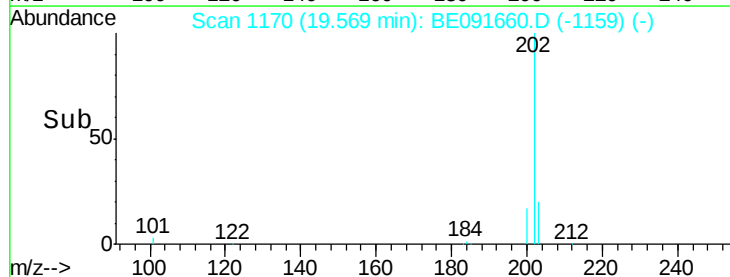
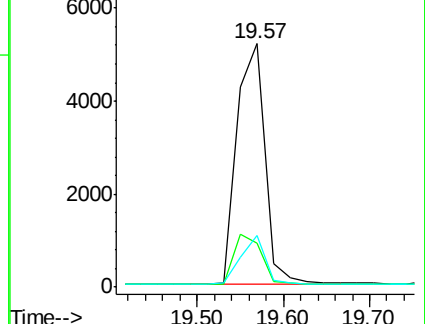
203 17.7 14.0 21.0

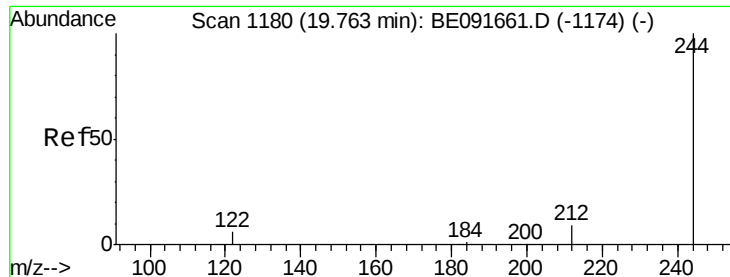


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.19 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

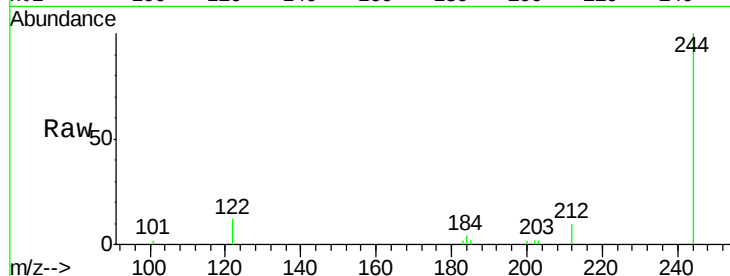
Tot Ion:244 Resp: 7562

Ion Ratio Lower Upper

244 100

212 10.4 6.9 10.3#

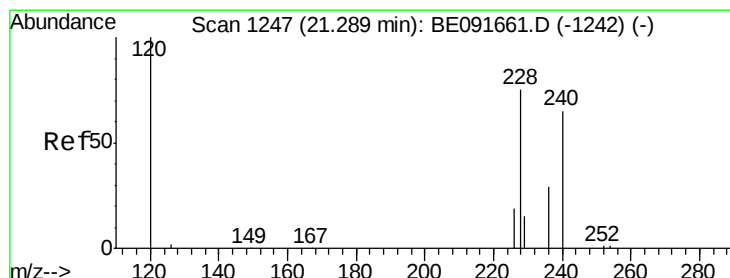
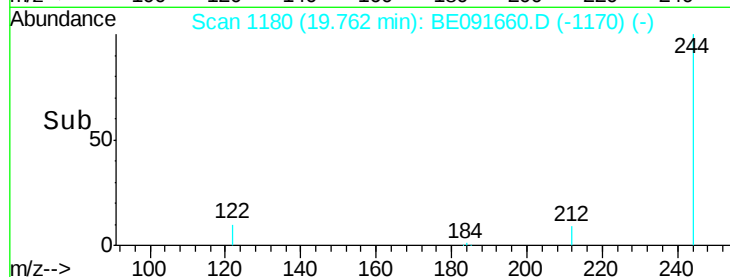
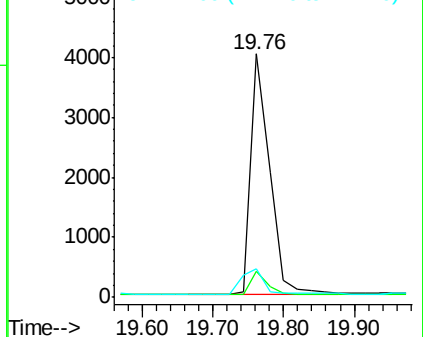
122 11.7 11.0 16.4



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



#30

Benzo(a)anthracene

Concen: 0.37 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

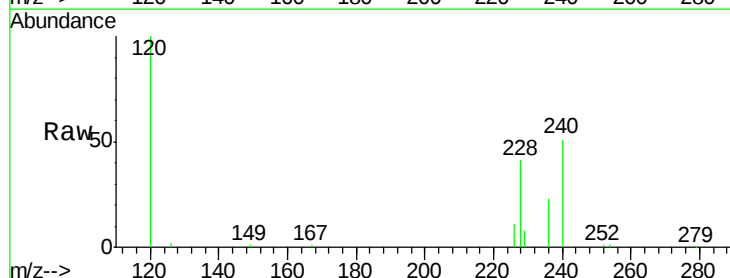
Tgt Ion:228 Resp: 26919

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.4

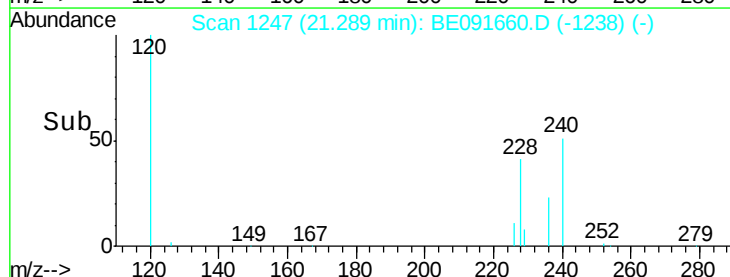
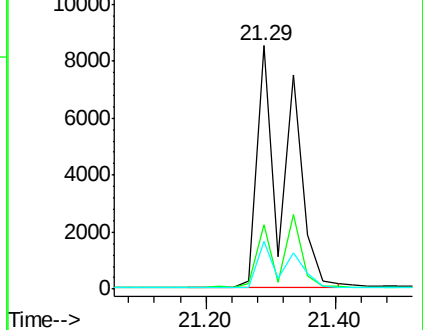
229 19.4 15.7 23.5

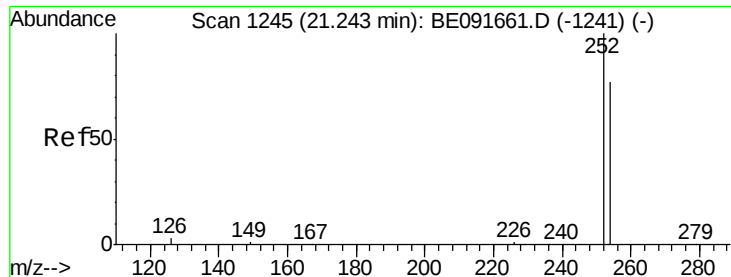


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

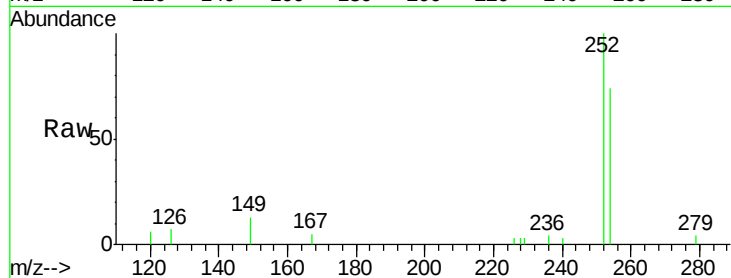




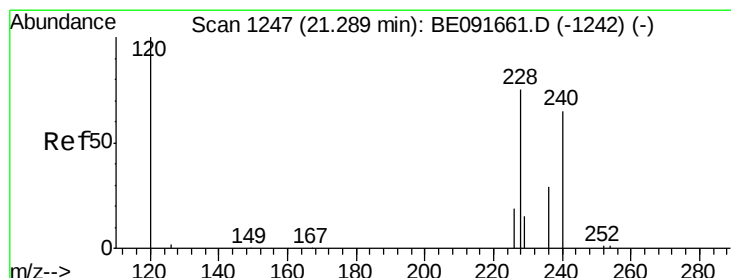
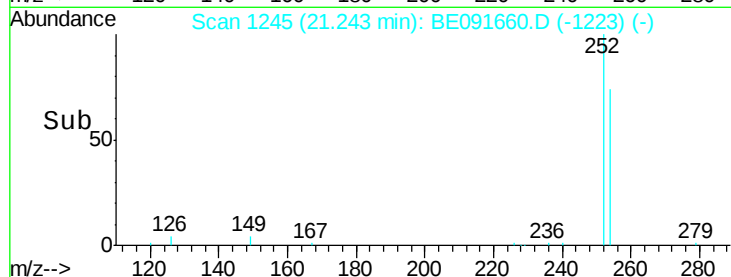
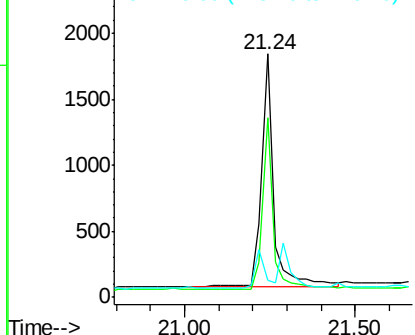
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.24 ng  
 RT: 21.24 min Scan# 1245  
 Delta R.T. -0.00 min  
 Lab File: BE091660.D  
 Acq: 18 Apr 2016 11:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Tot Ion:252 Resp: 4225  
 Ion Ratio Lower Upper  
 252 100  
 254 73.7 51.1 76.7  
 126 7.3 12.6 18.8#

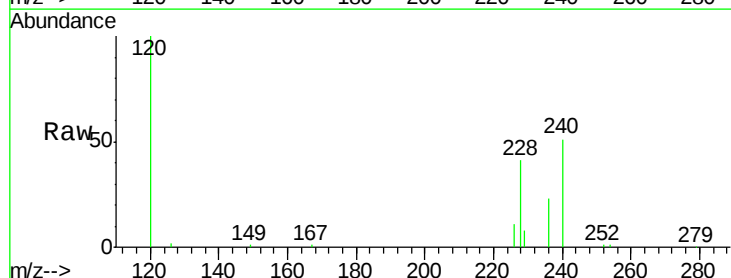


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

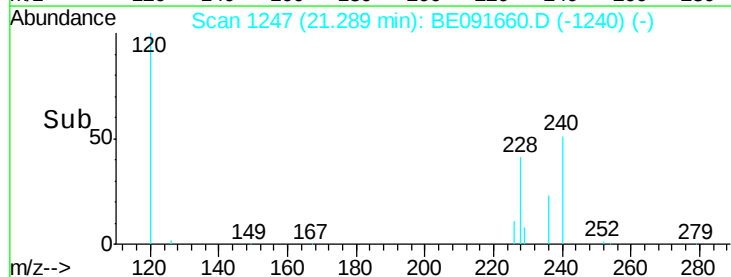
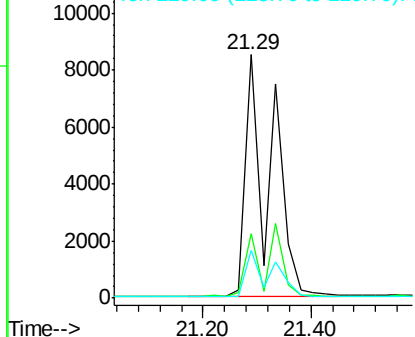


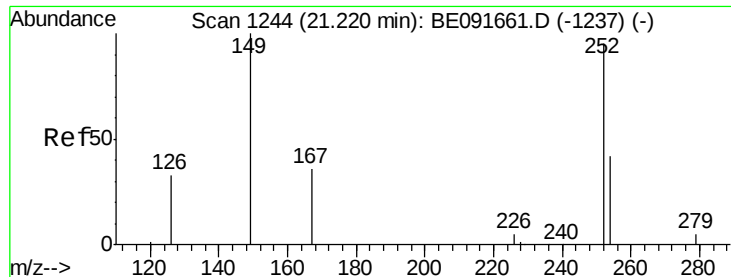
#32  
 Chrysene  
 Concen: 0.41 ng  
 RT: 21.29 min Scan# 1247  
 Delta R.T. -0.05 min  
 Lab File: BE091660.D  
 Acq: 18 Apr 2016 11:59

Tgt Ion:228 Resp: 27118  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 24.0 36.0  
 229 19.4 15.9 23.9



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





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

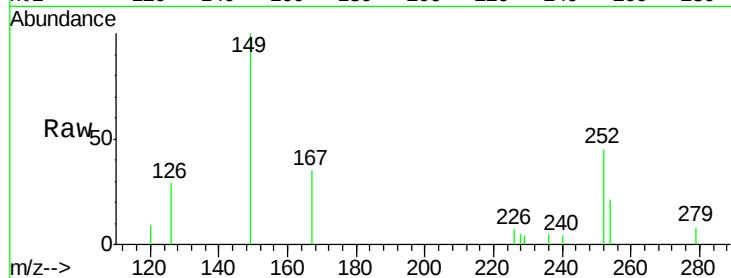
Tot Ion:149 Resp: 2122

Ion Ratio Lower Upper

149 100

167 31.6 19.5 29.3#

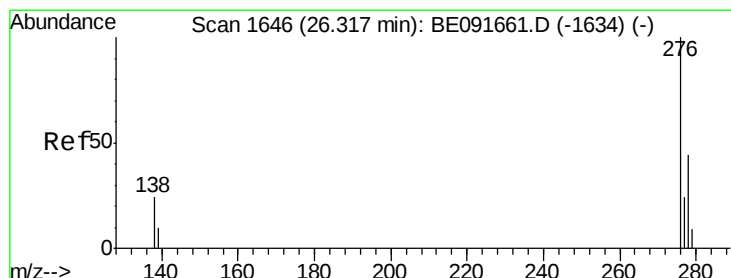
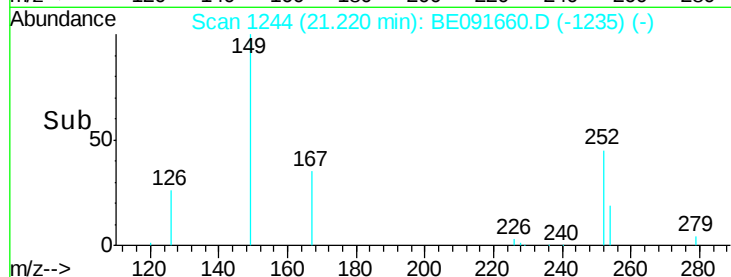
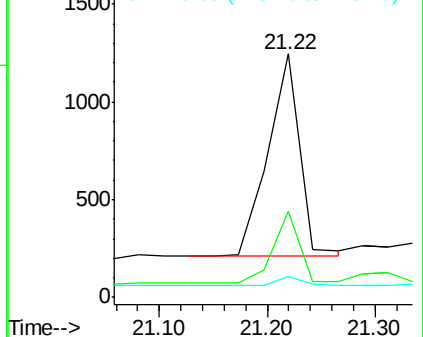
279 5.2 10.0 15.0#



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.17 ng

RT: 26.32 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

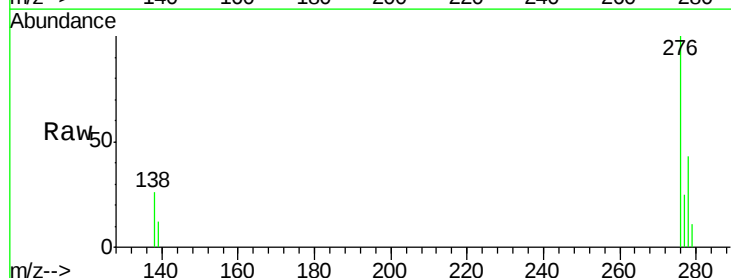
Tgt Ion:276 Resp: 12305

Ion Ratio Lower Upper

276 100

138 26.1 23.4 35.2

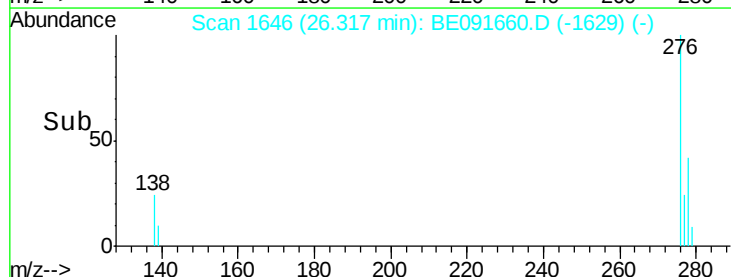
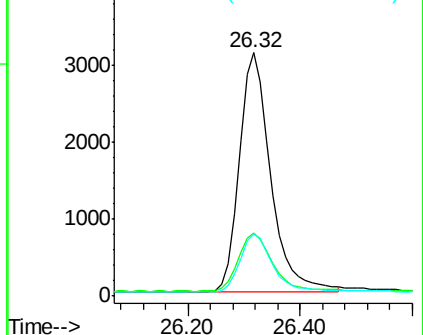
277 24.8 19.8 29.8

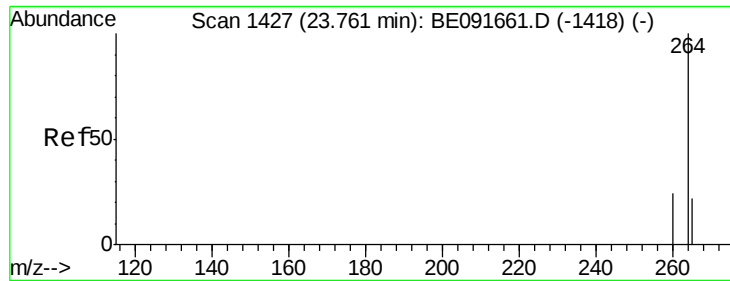


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

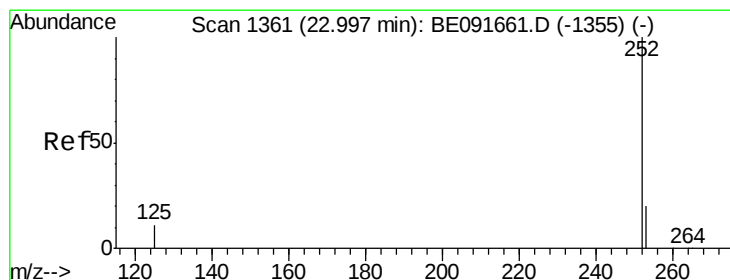
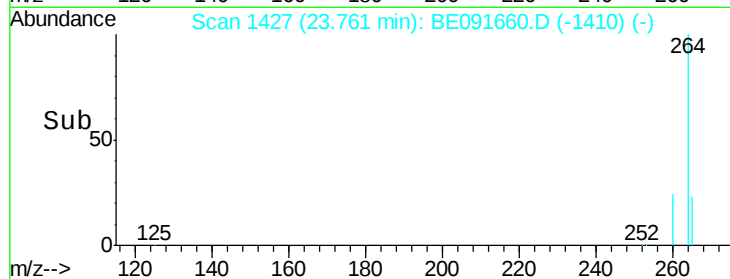
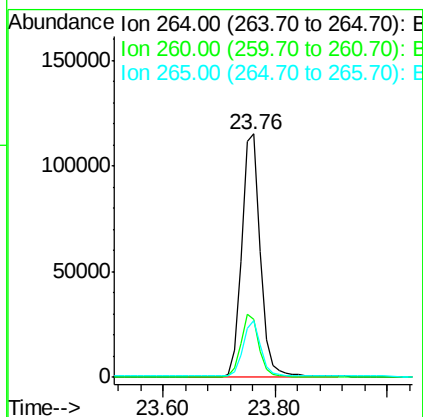
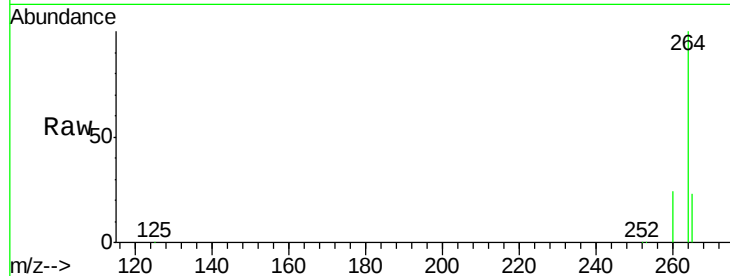




#35  
 Pervlene-d12  
 Concen: 5.00 ng  
 RT: 23.76 min Scan# 1427  
 Delta R.T. 0.00 min  
 Lab File: BE091660.D  
 Acq: 18 Apr 2016 11:59

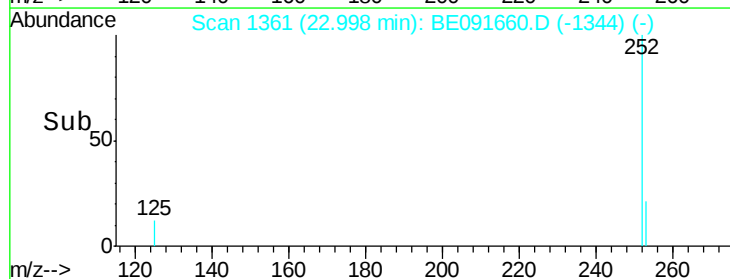
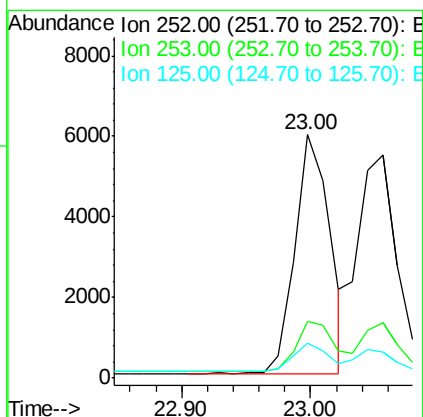
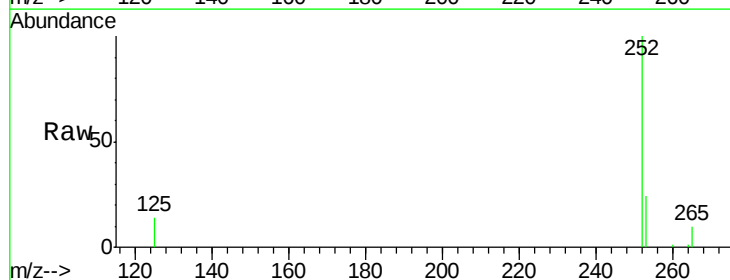
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

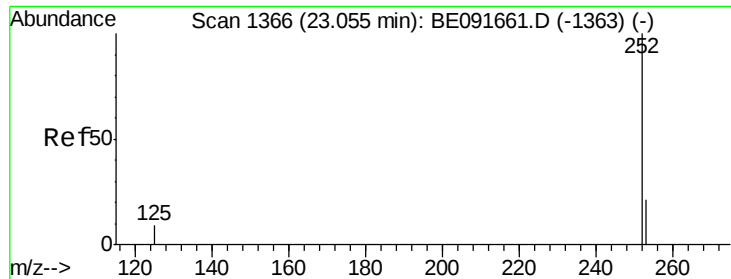
Tot Ion:264 Resp: 272319  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 20.0 30.0  
 265 23.2 17.5 26.3



#36  
 Benzo(b)fluoranthene  
 Concen: 0.18 ng  
 RT: 23.00 min Scan# 1361  
 Delta R.T. 0.00 min  
 Lab File: BE091660.D  
 Acq: 18 Apr 2016 11:59

Tgt Ion:252 Resp: 11133  
 Ion Ratio Lower Upper  
 252 100  
 253 23.5 17.4 26.0  
 125 14.4 10.2 15.2

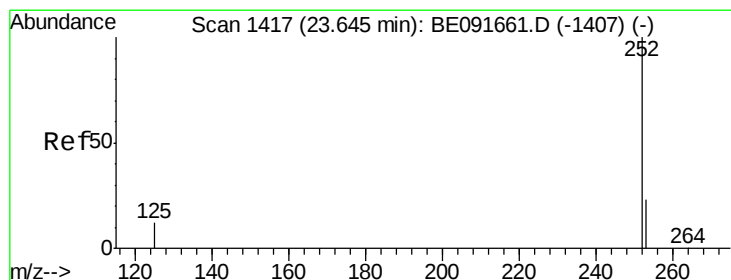
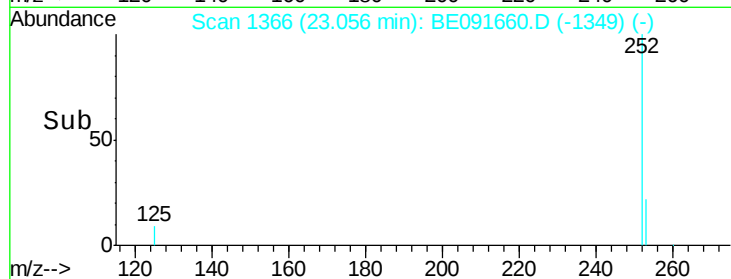
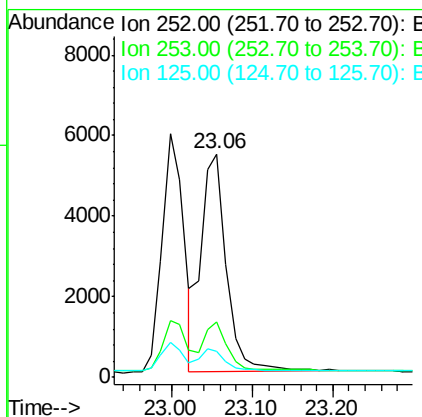
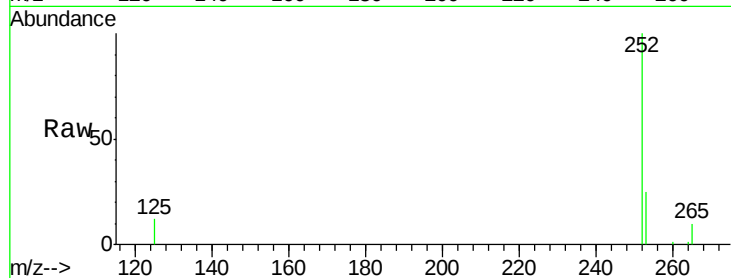




#37  
Benzo(k)fluoranthene  
Concen: 0.19 ng  
RT: 23.06 min Scan# 1366  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

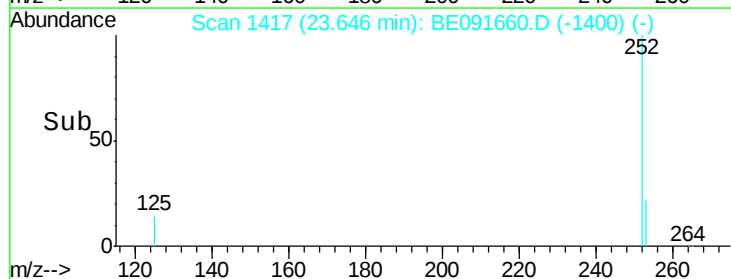
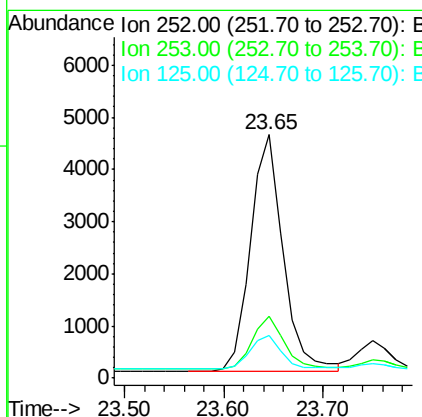
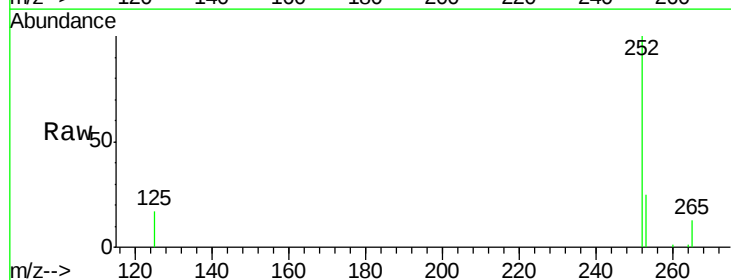
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

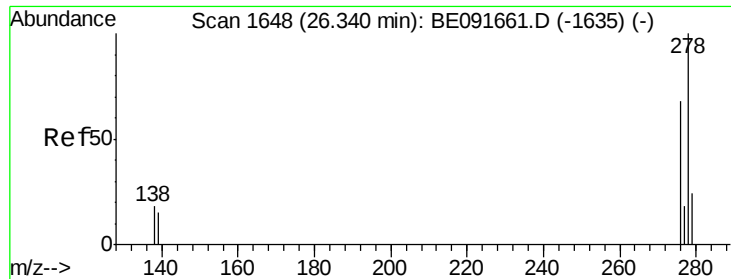
Tot Ion:252 Resp: 11840  
Ion Ratio Lower Upper  
252 100  
253 24.8 17.6 26.4  
125 11.7 9.9 14.9



#38  
Benzo(a)pyrene  
Concen: 0.18 ng  
RT: 23.65 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: BE091660.D  
Acq: 18 Apr 2016 11:59

Tgt Ion:252 Resp: 10382  
Ion Ratio Lower Upper  
252 100  
253 25.4 18.1 27.1  
125 17.4 11.0 16.4#





#39

Dibenzo(a,h)anthracene

Concen: 0.17 ng

RT: 26.34 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.2

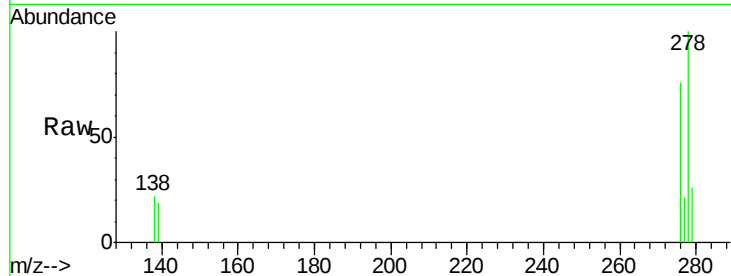
Tot Ion:278 Resp: 9889

Ion Ratio Lower Upper

278 100

139 18.6 16.0 24.0

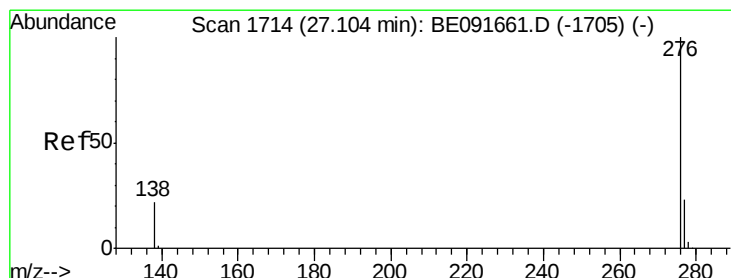
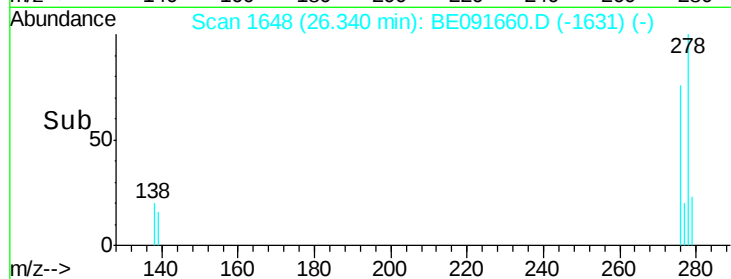
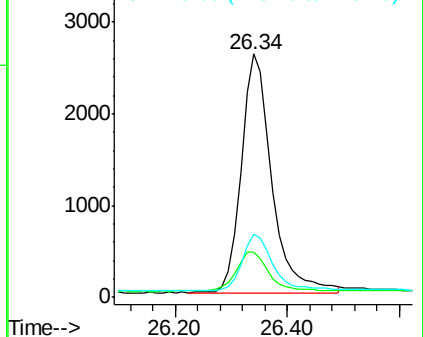
279 25.8 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 0.18 ng

RT: 27.10 min Scan# 1714

Delta R.T. 0.00 min

Lab File: BE091660.D

Acq: 18 Apr 2016 11:59

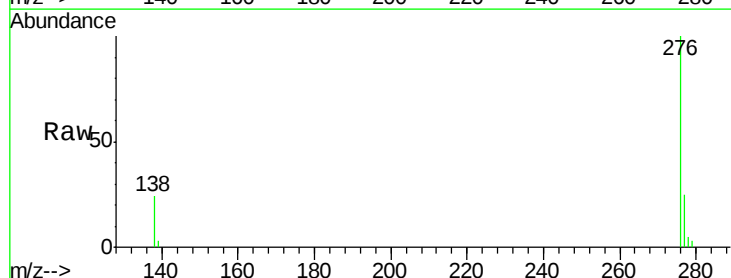
Tgt Ion:276 Resp: 10628

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 23.5 20.4 30.6



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

