

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\  
 Data File : BE091879.D  
 Acq On : 7 Jun 2016 12:07  
 Operator : UM/SJ  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Jun 07 13:03:42 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 12:57:19 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 22914    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8         | 10.55 | 136  | 105054   | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10      | 14.38 | 164  | 60056    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.12 | 188  | 163063   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.30 | 240  | 183503   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 23.73 | 264  | 217096   | 5.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol        | 5.38  | 112 | 3952  | 0.60 | ng | 0.00  |
| 5) Phenol-d6             | 6.94  | 99  | 5118  | 0.60 | ng | -0.02 |
| 9) Nitrobenzene-d5       | 8.91  | 82  | 6299  | 0.74 | ng | -0.02 |
| 16) 2,4,6-Tribromophenol | 15.87 | 330 | 1455  | 0.54 | ng | -0.02 |
| 17) 2-Fluorobiphenyl     | 13.01 | 172 | 15828 | 0.89 | ng | 0.00  |
| 34) Terphenyl-d14        | 19.74 | 244 | 27130 | 0.98 | ng | 0.00  |

## Target Compounds

|                                |       |     |         |      |    | Qvalue |
|--------------------------------|-------|-----|---------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 2863    | 0.85 | ng | 95     |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 3253    | 0.77 | ng | 90     |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 5542    | 0.77 | ng | 99     |
| 7) n-Nitroso-di-n-propylamine  | 8.57  | 70  | 4161    | 0.63 | ng | # 22   |
| 10) Nitrobenzene               | 8.96  | 77  | 5766    | 0.70 | ng | # 99   |
| 11) bis(2-Chloroethoxy)methane | 9.98  | 93  | 8405    | 0.84 | ng | # 54   |
| 12) Naphthalene                | 10.59 | 128 | 19434   | 0.86 | ng | 96     |
| 13) Hexachlorobutadiene        | 10.88 | 225 | 2904    | 0.83 | ng | 98     |
| 14) 2-Methylnaphthalene        | 12.22 | 142 | 12472   | 0.82 | ng | 89     |
| 18) Acenaphthylene             | 14.10 | 152 | 21930   | 0.74 | ng | 94     |
| 19) 2,6-Dinitrotoluene         | 13.96 | 165 | 2560    | 0.62 | ng | 99     |
| 20) Acenaphthene               | 14.44 | 154 | 13381   | 0.83 | ng | 95     |
| 21) 2,4-Dinitrotoluene         | 14.76 | 165 | 2711    | 0.57 | ng | # 98   |
| 22) Fluorene                   | 15.42 | 166 | 17669   | 0.84 | ng | 100    |
| 23) 4-Chlorophenyl-phenylether | 15.42 | 204 | 8735    | 0.82 | ng | 100    |
| 25) 4-Bromophenyl-phenylether  | 16.31 | 248 | 5372    | 0.92 | ng | 99     |
| 26) Hexachlorobenzene          | 16.44 | 284 | 5342    | 0.96 | ng | 99     |
| 27) Pentachlorophenol          | 16.78 | 266 | 1686    | 0.79 | ng | 89     |
| 28) Phenanthrene               | 17.17 | 178 | 34166   | 0.96 | ng | 99     |
| 29) Anthracene                 | 17.26 | 178 | 30054   | 0.92 | ng | 99     |
| 30) Fluoranthene               | 19.19 | 202 | 35992   | 0.87 | ng | 99     |
| 32) Benzidine                  | 19.38 | 184 | 9217    | 0.63 | ng | # 94   |
| 33) Pyrene                     | 19.53 | 202 | 40060   | 1.03 | ng | 99     |
| 35) Benzo(a)anthracene         | 21.27 | 228 | 218249m | 4.46 | ng |        |
| 36) 3,3'-Dichlorobenzidine     | 21.21 | 252 | 9684    | 0.36 | ng | # 78   |
| 37) Chrysene                   | 21.33 | 228 | 158327m | 3.53 | ng |        |
| 38) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 21527   | 1.21 | ng | # 100  |
| 39) Indeno(1,2,3-cd)pyrene     | 26.29 | 276 | 48025   | 1.05 | ng | # 75   |
| 41) Benzo(b)fluoranthene       | 22.98 | 252 | 45264   | 0.77 | ng | 98     |
| 42) Benzo(k)fluoranthene       | 23.03 | 252 | 48198   | 0.91 | ng | 97     |
| 43) Benzo(a)pyrene             | 23.62 | 252 | 44262   | 0.83 | ng | # 95   |
| 44) Dibenzo(a,h)anthracene     | 26.31 | 278 | 40307   | 0.79 | ng | # 95   |
| 45) Benzo(a,h,i)perylene       | 27.07 | 276 | 42012   | 0.81 | ng | 96     |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

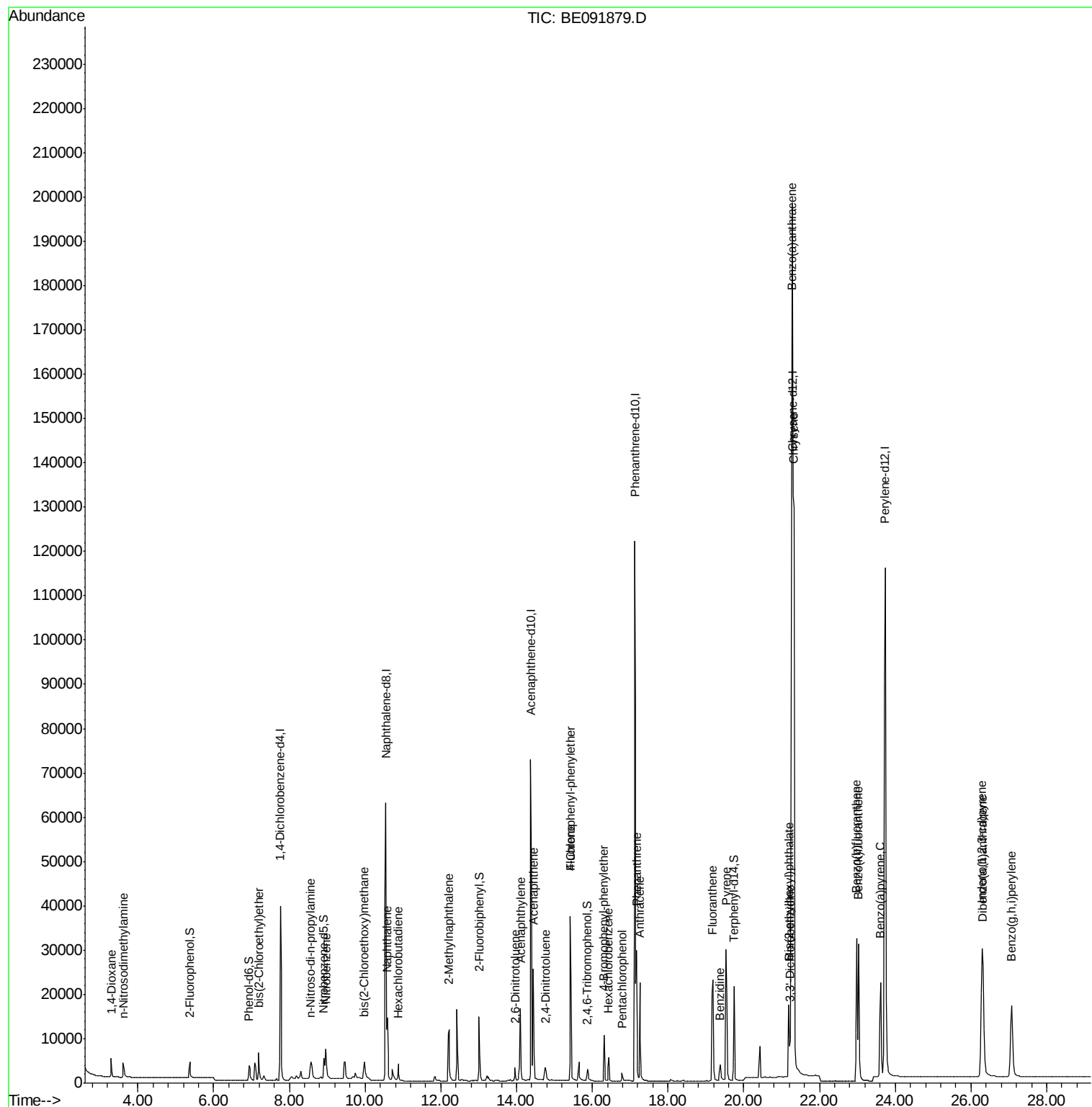
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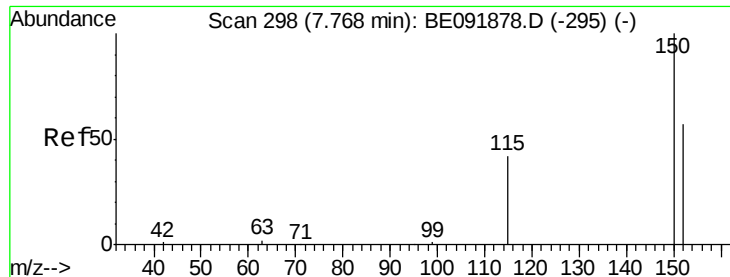
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

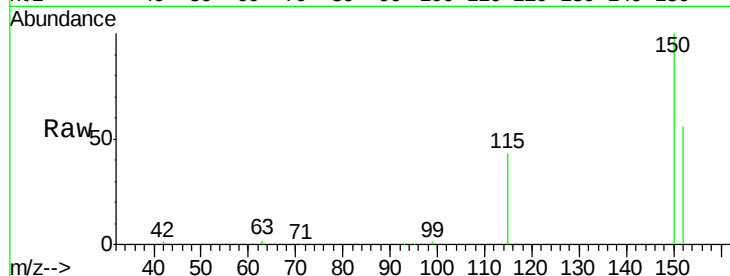
Tot Ion:152 Resp: 22914

Ion Ratio Lower Upper

152 100

150 177.3 123.9 185.9

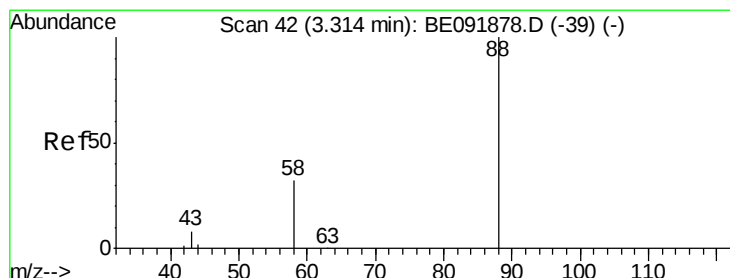
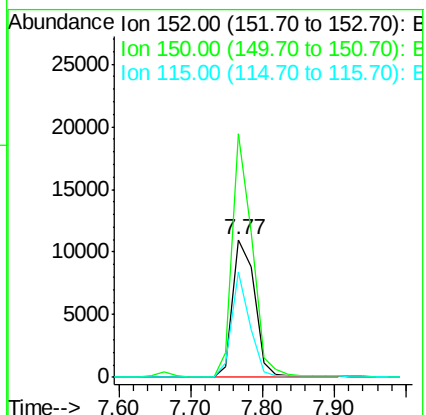
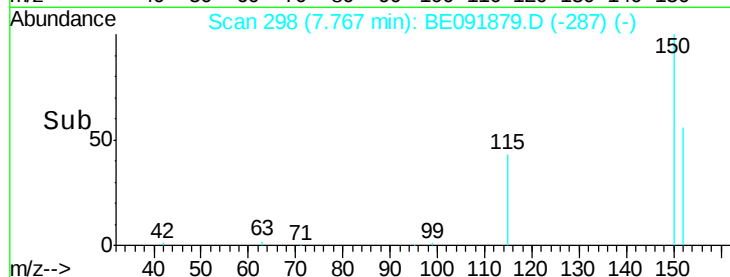
115 76.4 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.85 ng

RT: 3.30 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

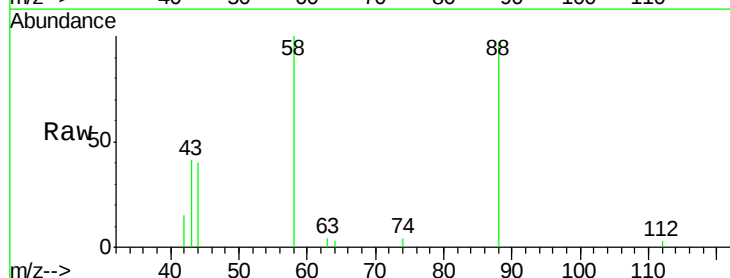
Tgt Ion: 88 Resp: 2863

Ion Ratio Lower Upper

88 100

58 82.7 63.0 94.4

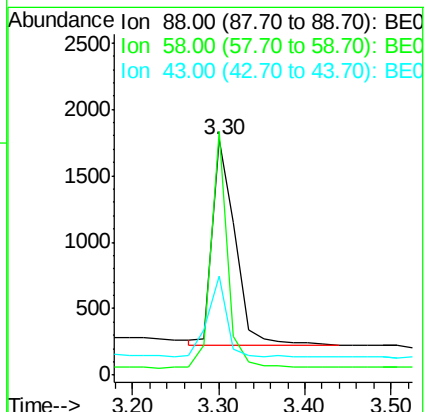
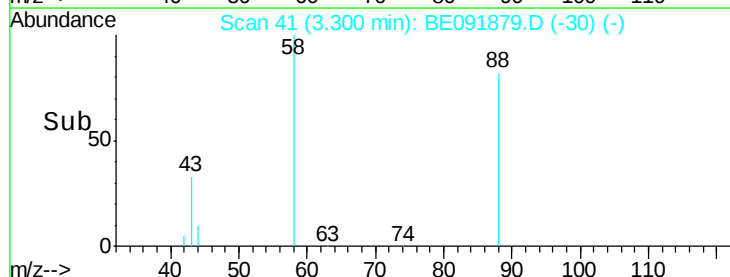
43 33.3 29.1 43.7

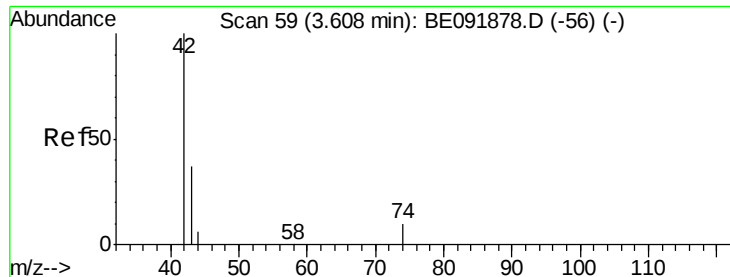


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.77 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.8

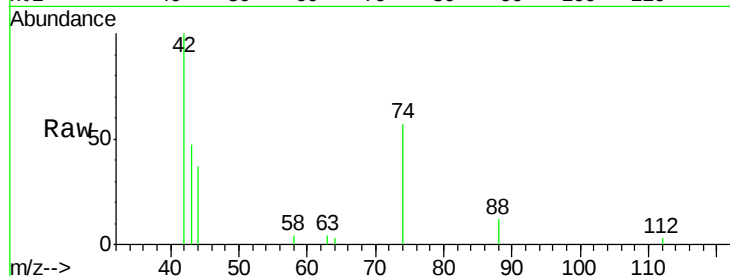
Tot Ion: 42 Resp: 3253

Ion Ratio Lower Upper

42 100

74 104.8 93.4 140.0

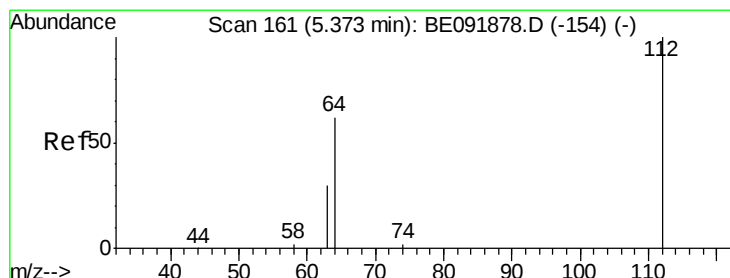
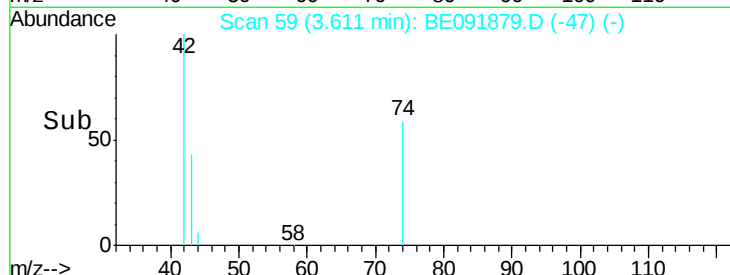
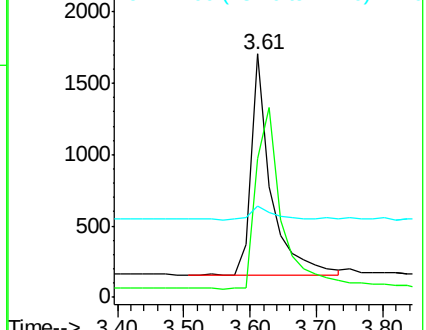
44 7.3 5.0 7.6



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: 0.60 ng

RT: 5.38 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

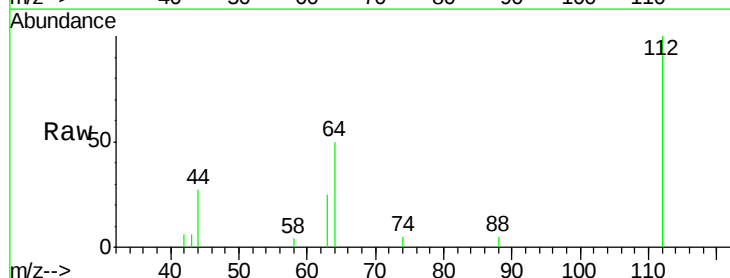
Tgt Ion: 112 Resp: 3952

Ion Ratio Lower Upper

112 100

64 66.9 53.7 80.5

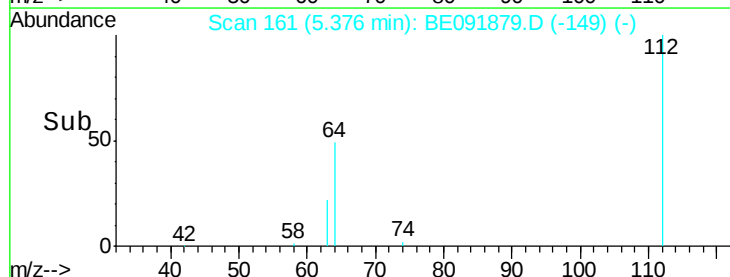
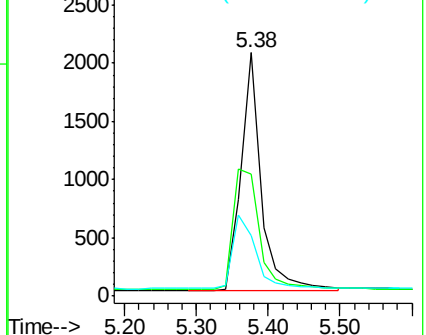
63 36.0 29.5 44.3

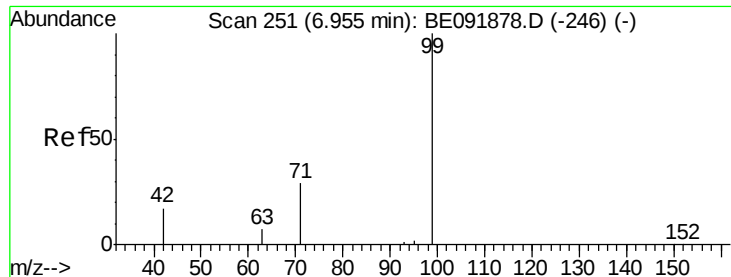


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.60 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

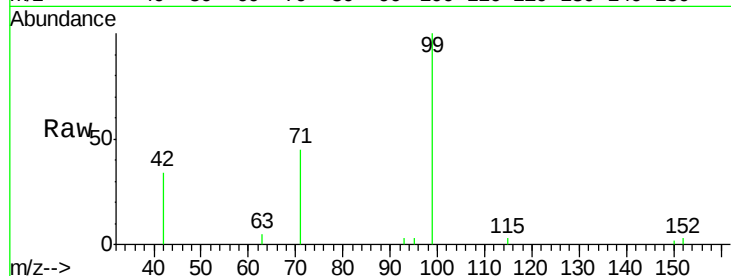
Tot Ion: 99 Resp: 5118

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

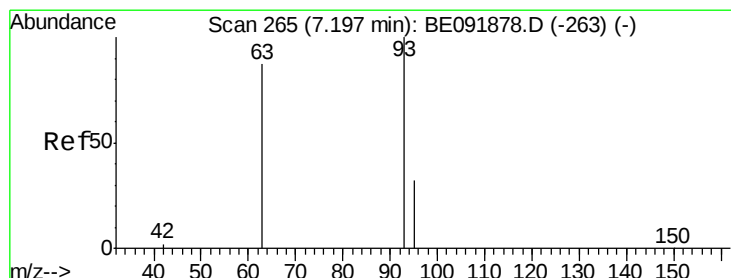
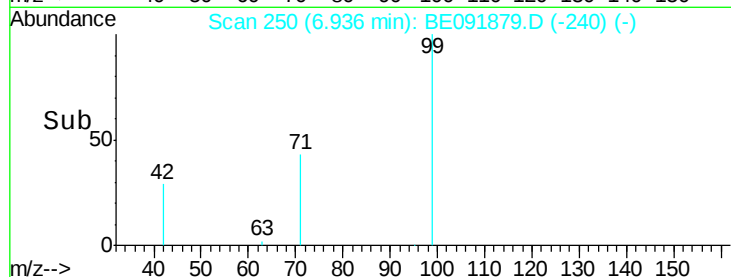
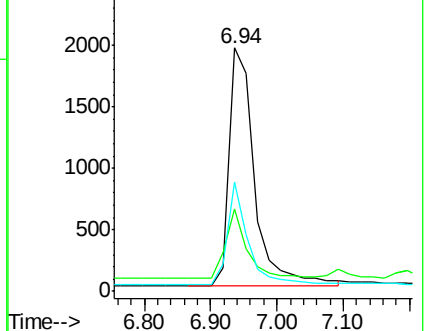
71 35.1 28.1 42.1



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: 0.77 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

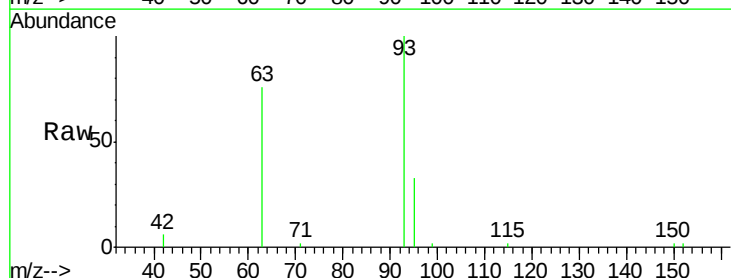
Tgt Ion: 93 Resp: 5542

Ion Ratio Lower Upper

93 100

63 82.7 66.2 99.4

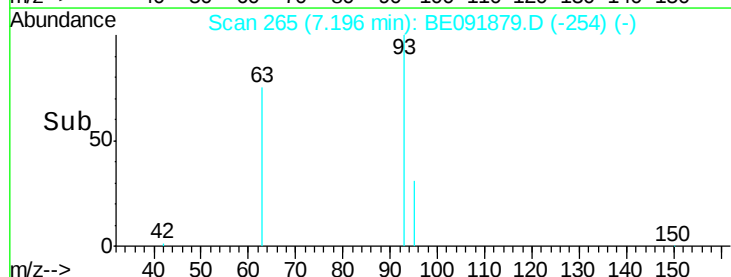
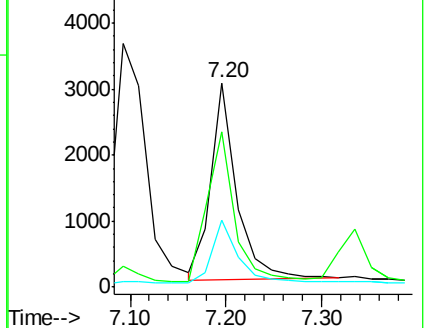
95 32.9 25.5 38.3

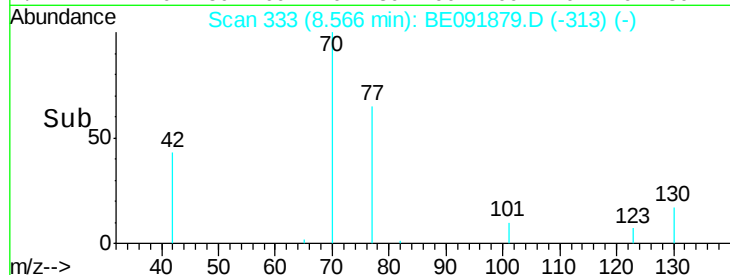
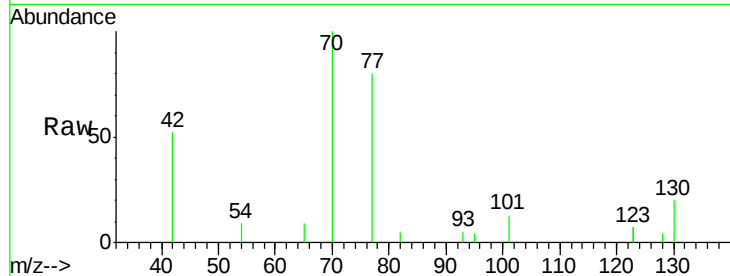
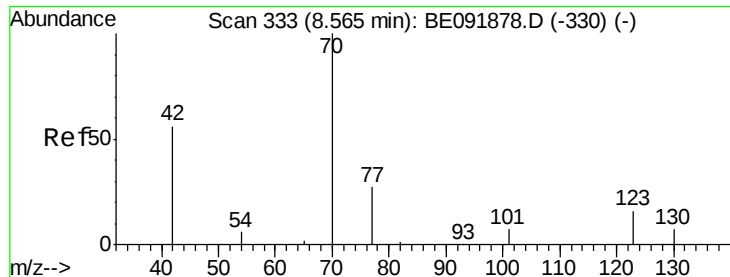


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.63 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

Tot Ion: 70 Resp: 4161

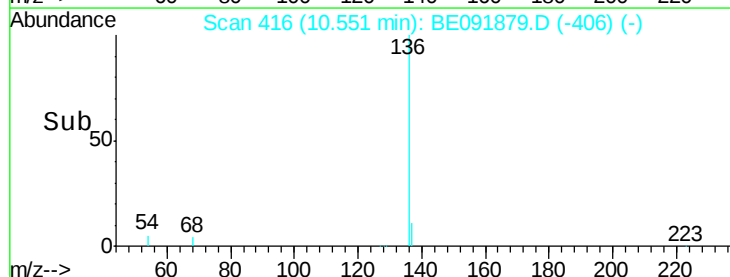
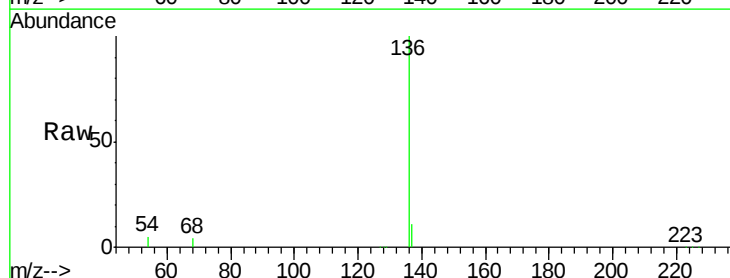
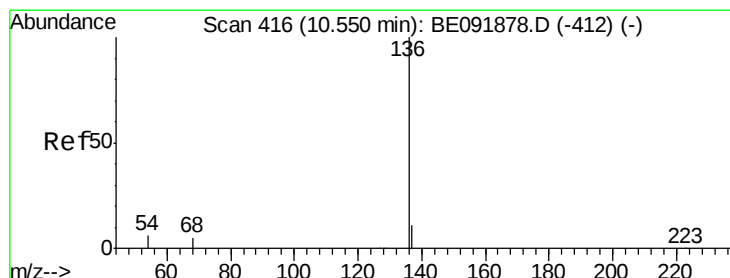
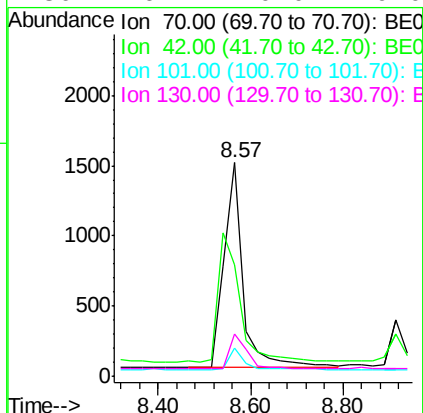
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 8.4 6.4 9.6

130 16.4 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Tgt Ion: 136 Resp: 105054

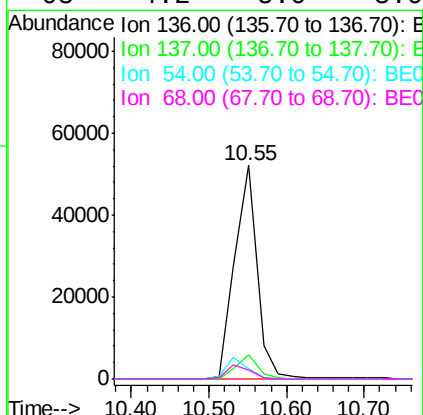
Ion Ratio Lower Upper

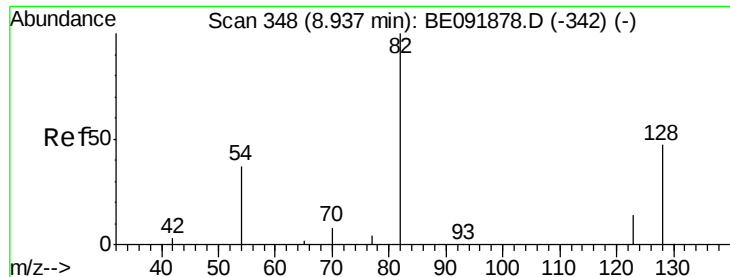
136 100

137 11.5 8.3 12.5

54 5.0 8.2 12.4#

68 4.2 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.74 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.8

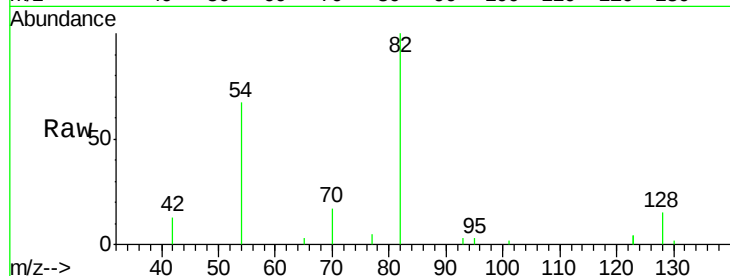
Tot Ion: 82 Resp: 6299

Ion Ratio Lower Upper

82 100

128 14.9 39.5 59.3#

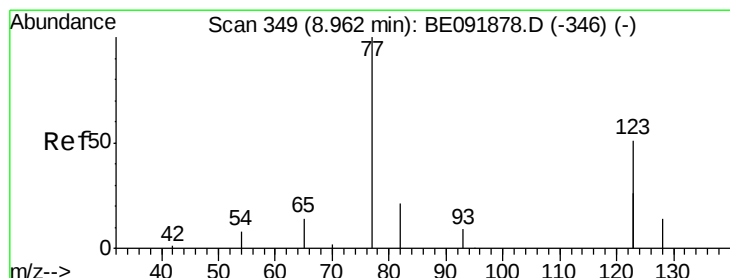
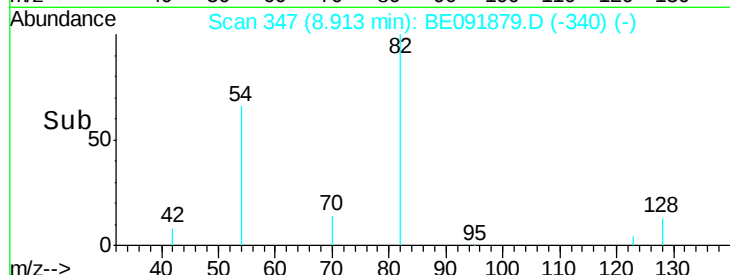
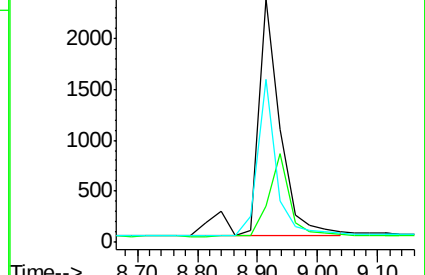
54 67.1 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.70 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

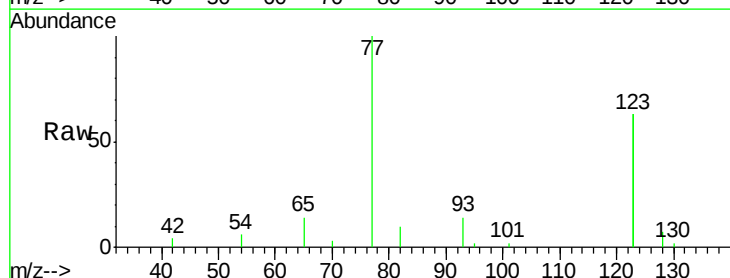
Tgt Ion: 77 Resp: 5766

Ion Ratio Lower Upper

77 100

123 147.0 0.0 0.0#

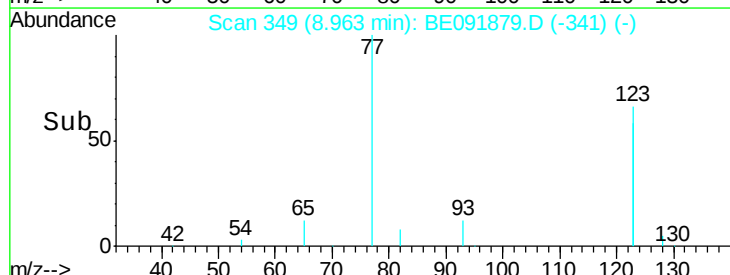
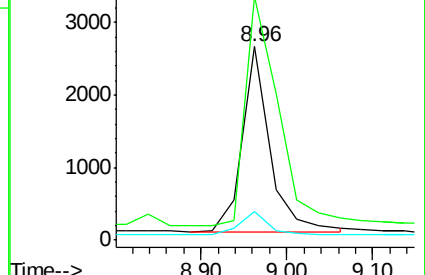
65 13.4 11.1 16.7

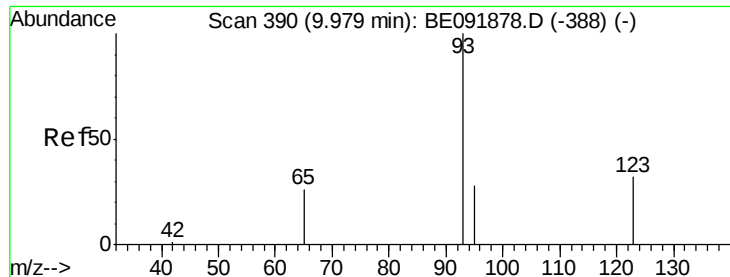


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

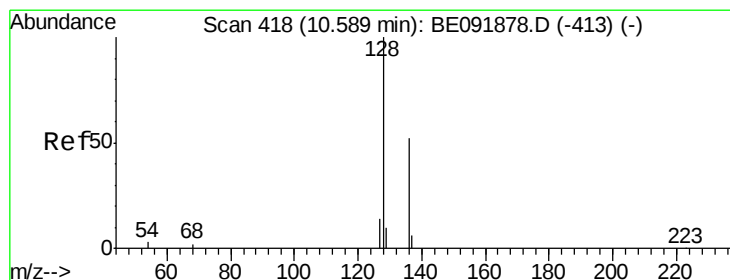
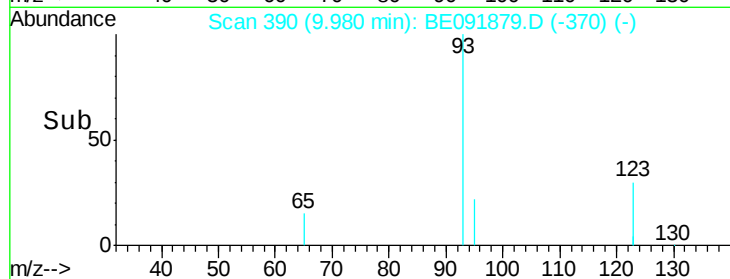
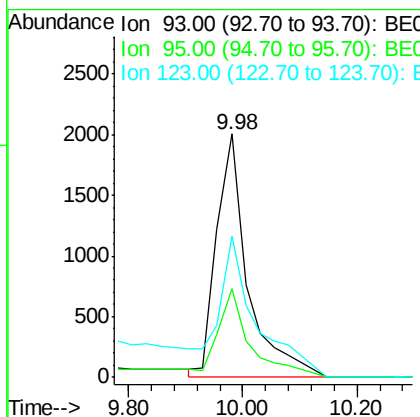
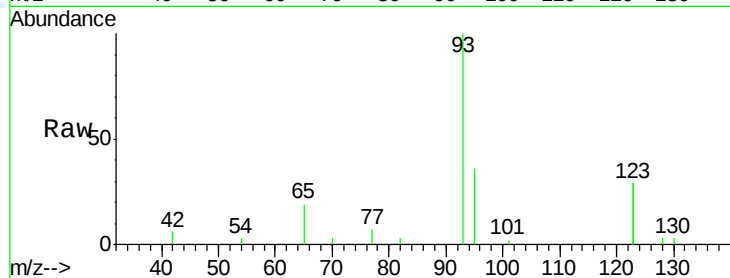




#11  
bis(2-Chloroethoxy)methane  
Concen: 0.84 ng  
RT: 9.98 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

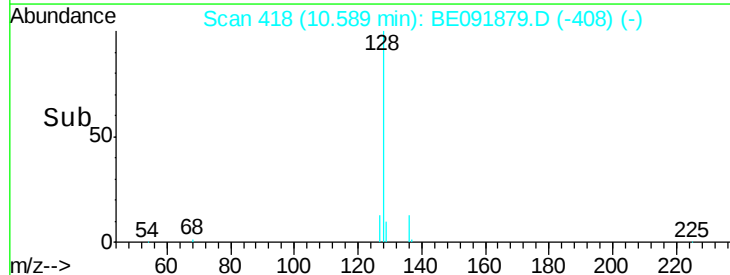
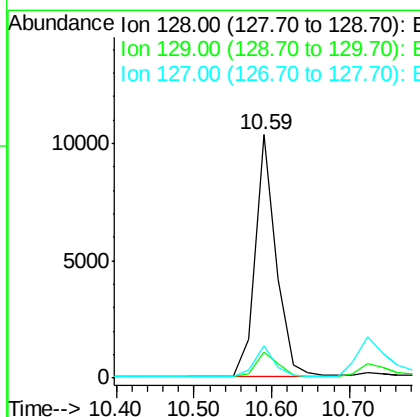
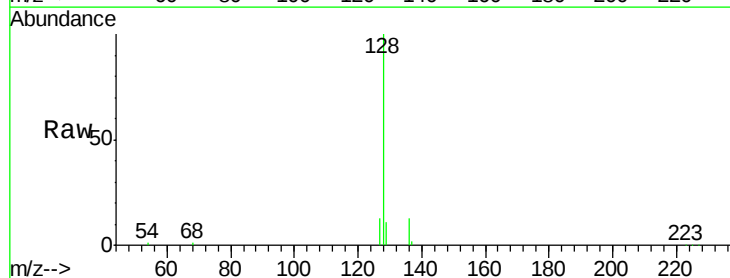
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

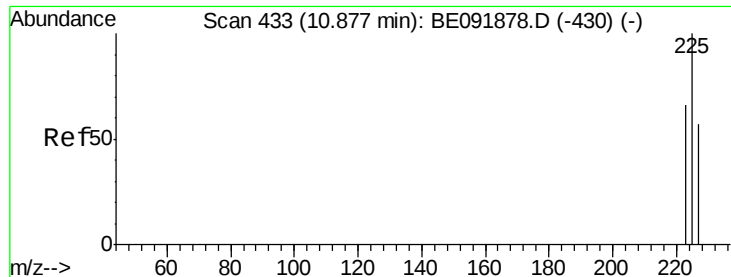
Tot Ion: 93 Resp: 8405  
Ion Ratio Lower Upper  
93 100  
95 38.0 57.6 86.4#  
123 69.3 100.2 150.4#



#12  
Naphthalene  
Concen: 0.86 ng  
RT: 10.59 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion: 128 Resp: 19434  
Ion Ratio Lower Upper  
128 100  
129 10.9 10.4 15.6  
127 13.5 10.2 15.2

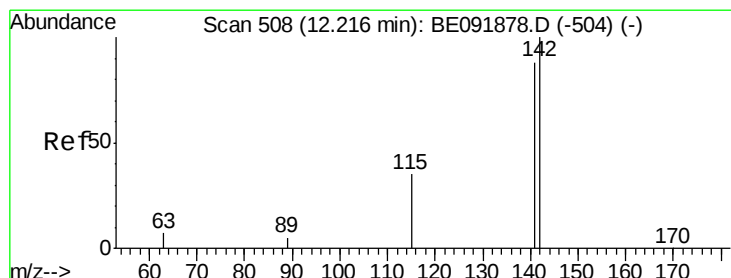
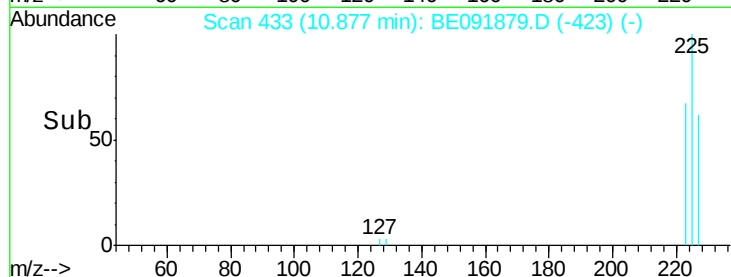
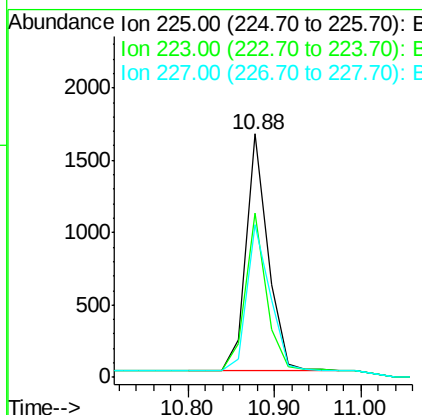
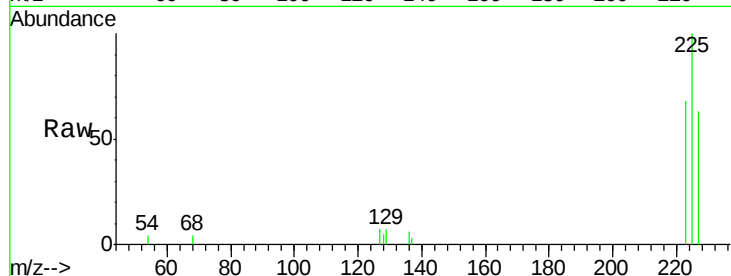




#13  
Hexachlorobutadiene  
Concen: 0.83 ng  
RT: 10.88 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

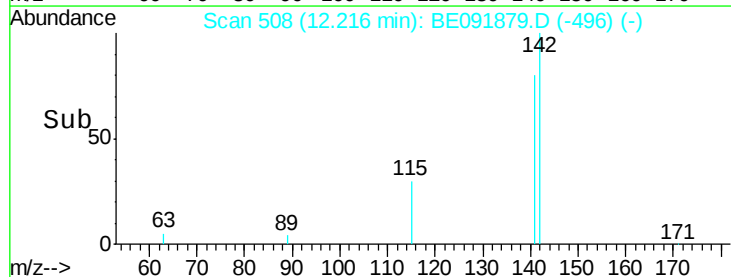
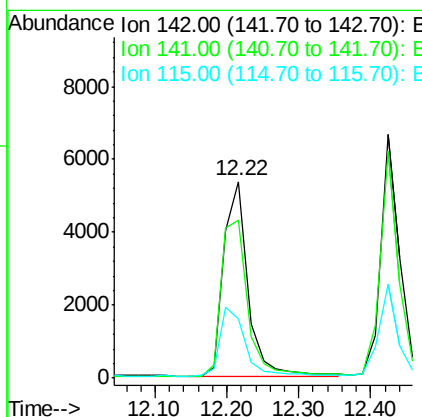
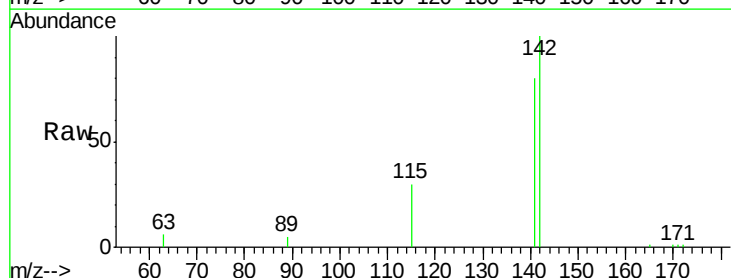
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

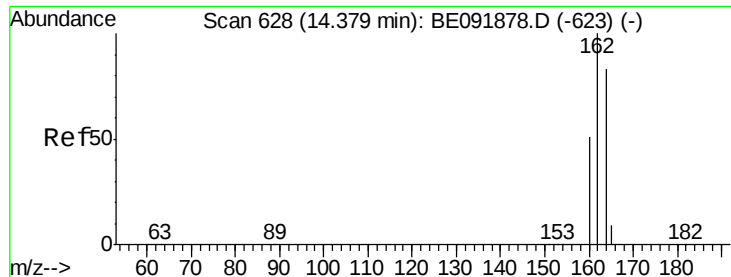
Tot Ion:225 Resp: 2904  
Ion Ratio Lower Upper  
225 100  
223 63.6 49.8 74.8  
227 65.2 50.6 75.8



#14  
2-Methylnaphthalene  
Concen: 0.82 ng  
RT: 12.22 min Scan# 508  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:142 Resp: 12472  
Ion Ratio Lower Upper  
142 100  
141 80.2 71.9 107.9  
115 30.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

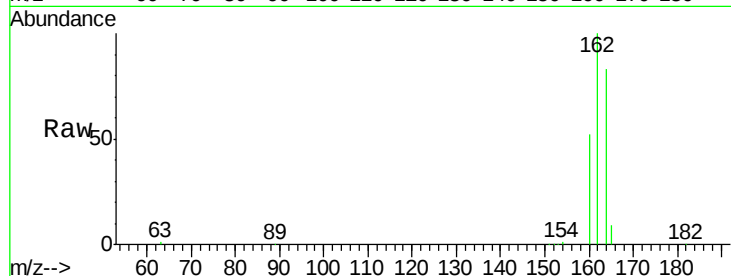
Tot Ion:164 Resp: 60056

Ion Ratio Lower Upper

164 100

162 119.8 71.8 107.8#

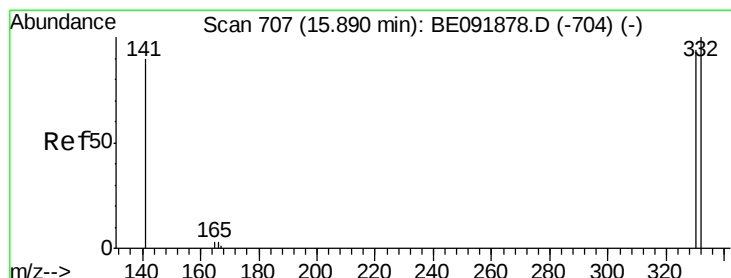
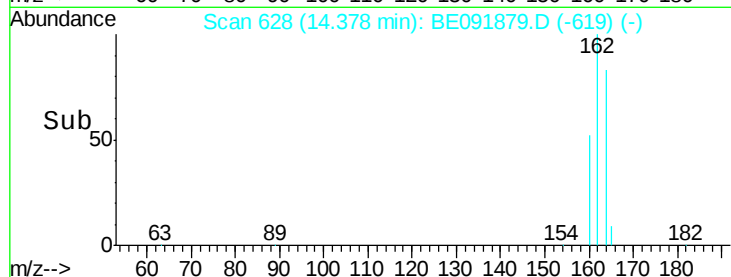
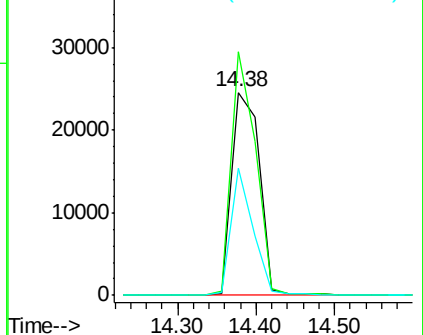
160 62.6 28.0 42.0#



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



#16

2,4,6-Tribromophenol

Concen: 0.54 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

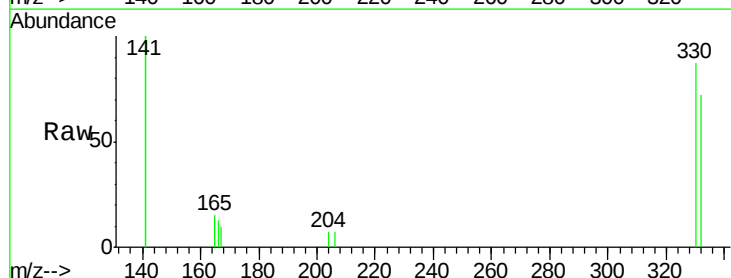
Tgt Ion:330 Resp: 1455

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

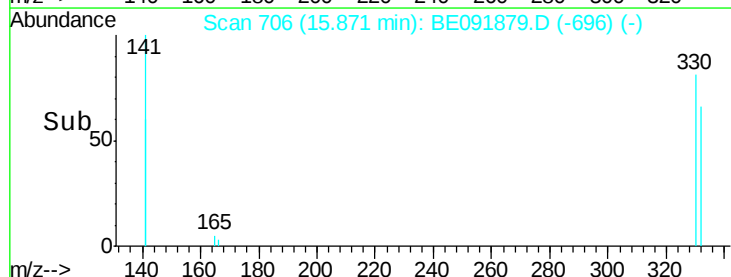
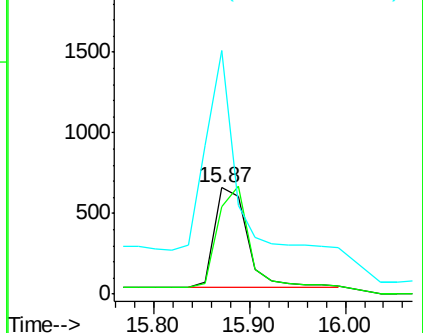
141 173.9 138.4 207.6

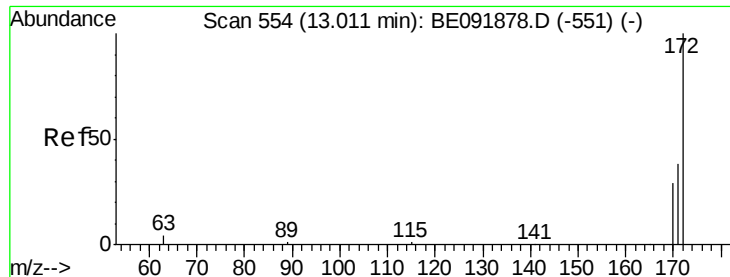


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

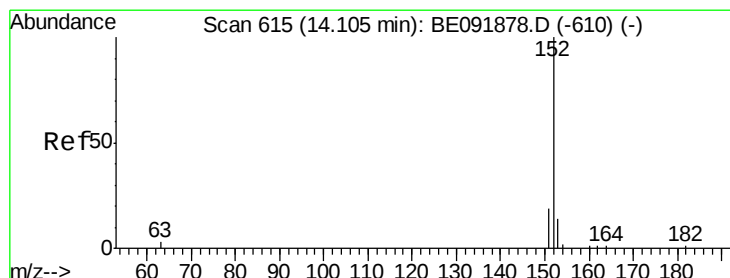
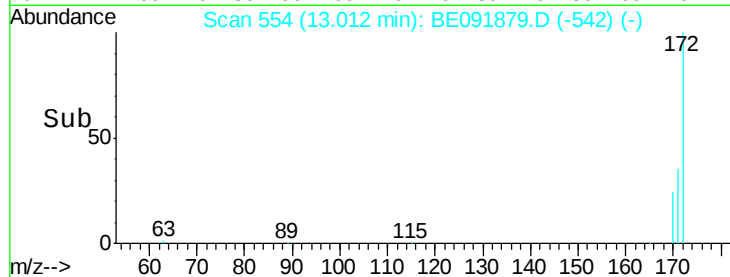
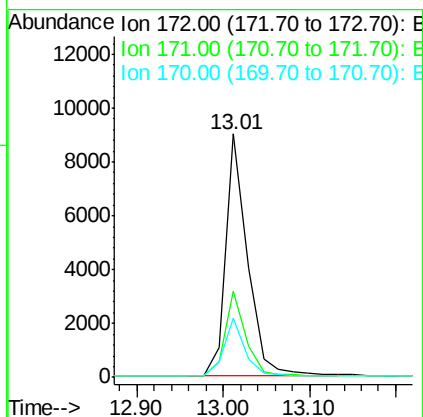
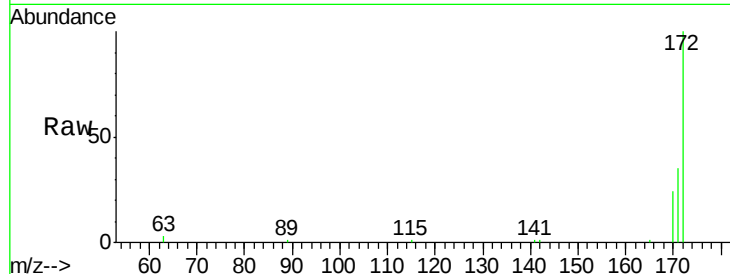




#17  
2-Fluorobiphenyl  
Concen: 0.89 ng  
RT: 13.01 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

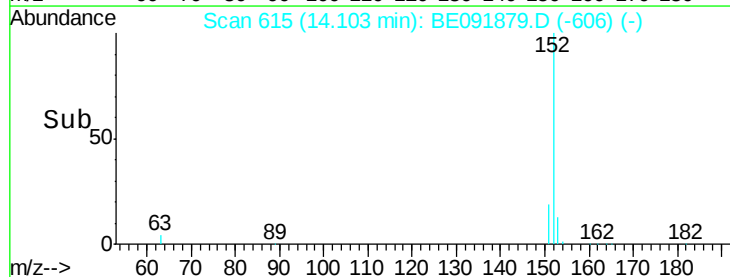
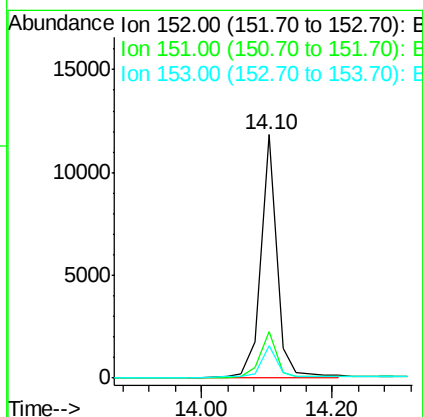
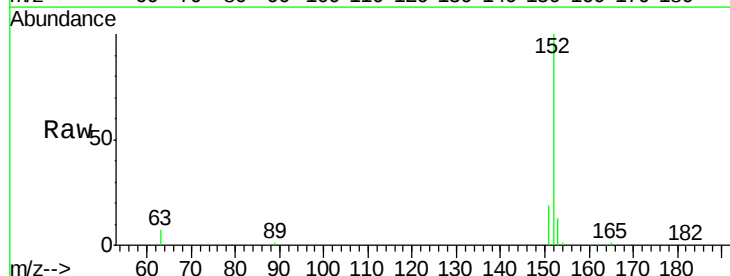
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

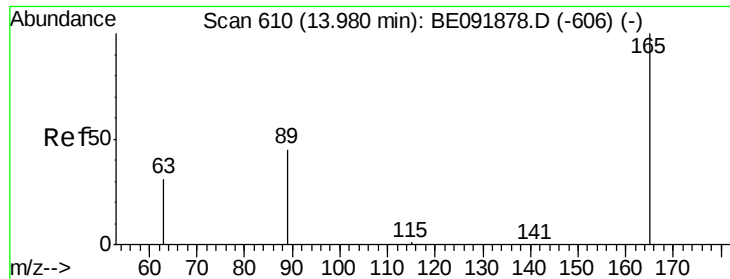
Tot Ion:172 Resp: 15828  
Ion Ratio Lower Upper  
172 100  
171 35.3 24.3 36.5  
170 24.4 14.9 22.3#



#18  
Acenaphthylene  
Concen: 0.74 ng  
RT: 14.10 min Scan# 615  
Delta R.T. -0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:152 Resp: 21930  
Ion Ratio Lower Upper  
152 100  
151 21.3 19.4 29.2  
153 15.4 14.4 21.6

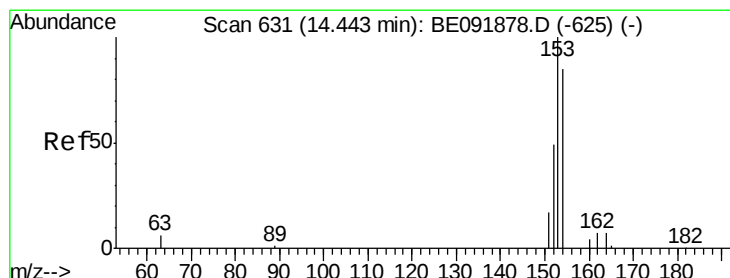
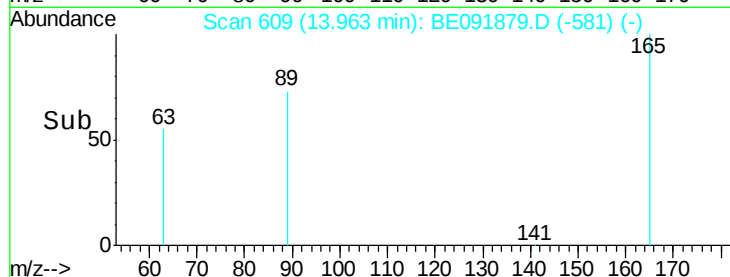
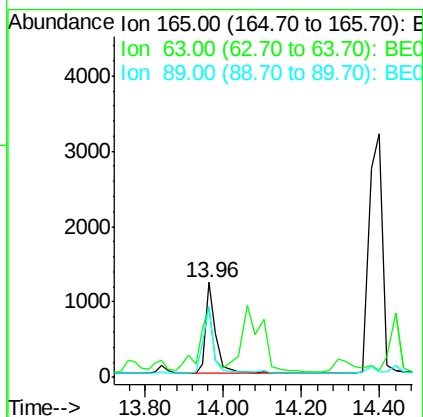
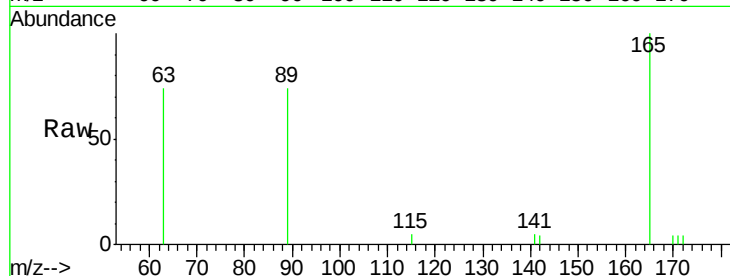




#19  
2,6-Dinitrotoluene  
Concen: 0.62 ng  
RT: 13.96 min Scan# 609  
Delta R.T. -0.02 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

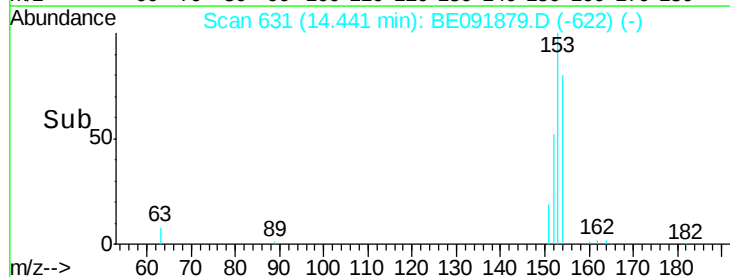
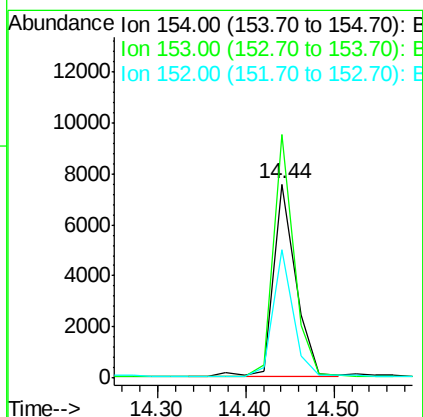
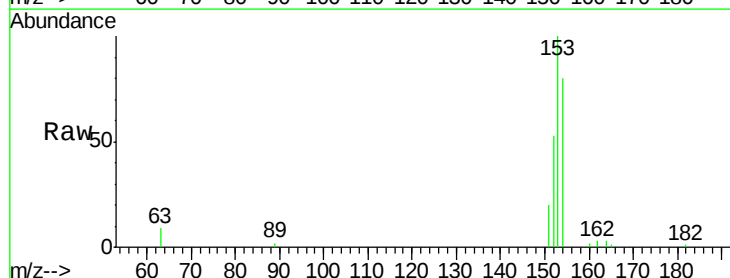
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

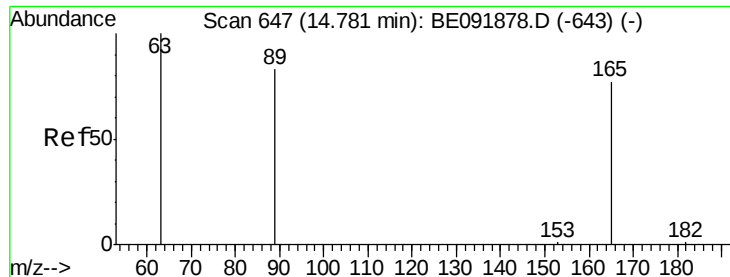
Tot Ion:165 Resp: 2560  
Ion Ratio Lower Upper  
165 100  
63 80.6 65.9 98.9  
89 73.5 59.1 88.7



#20  
Acenaphthene  
Concen: 0.83 ng  
RT: 14.44 min Scan# 631  
Delta R.T. -0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:154 Resp: 13381  
Ion Ratio Lower Upper  
154 100  
153 115.2 88.1 132.1  
152 58.3 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 0.57 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

Tot Ion:165 Resp: 2711

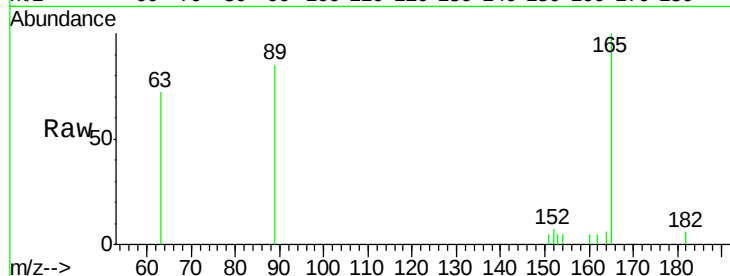
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 122.9 99.8 149.8

182 2.2 0.0 0.0#

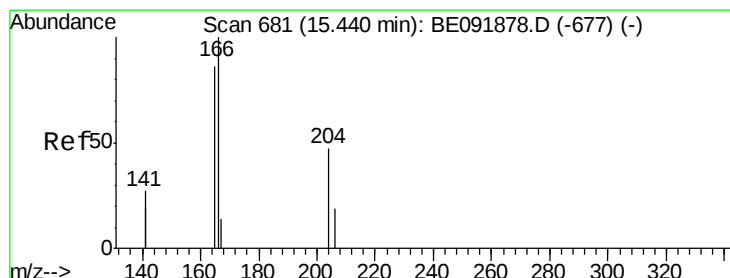
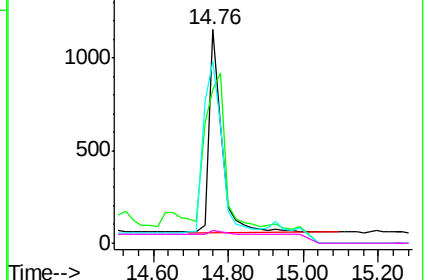
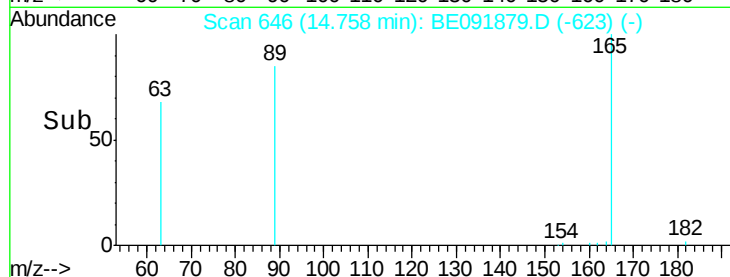


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.84 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

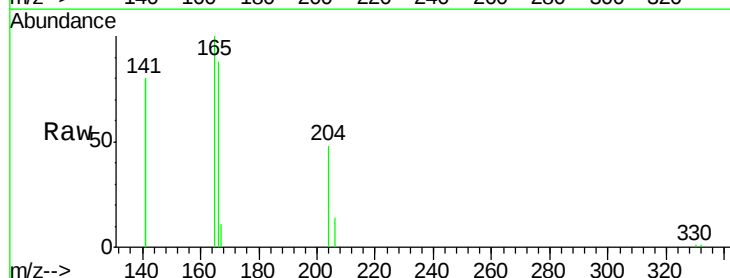
Tgt Ion:166 Resp: 17669

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

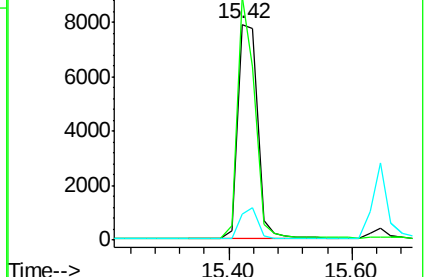
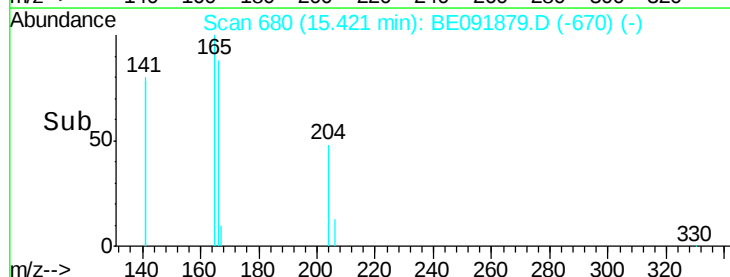
167 13.5 10.8 16.2

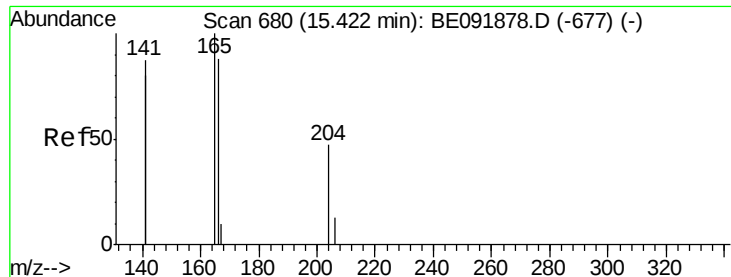


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

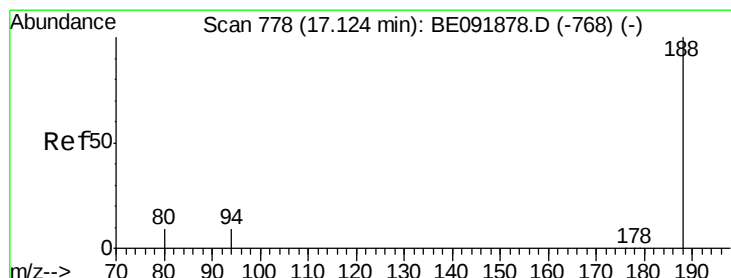
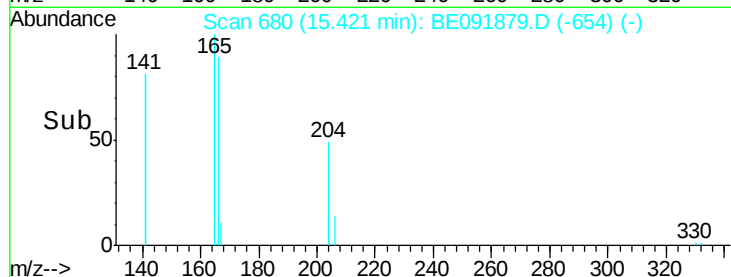
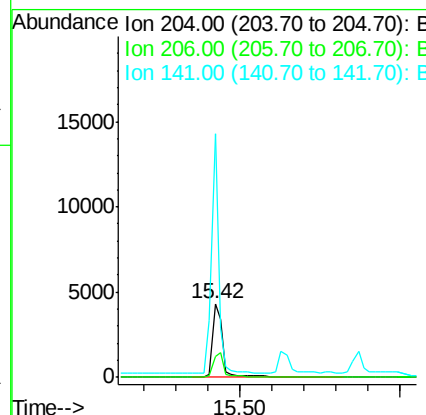
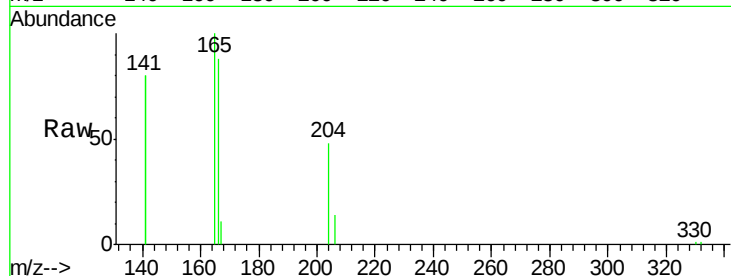




#23  
4-Chlorophenyl-phenylether  
Concen: 0.82 ng  
RT: 15.42 min Scan# 680  
Delta R.T. -0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

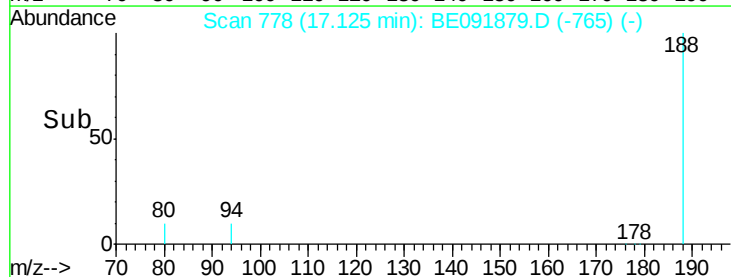
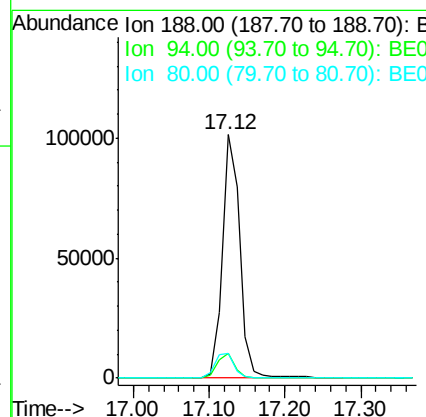
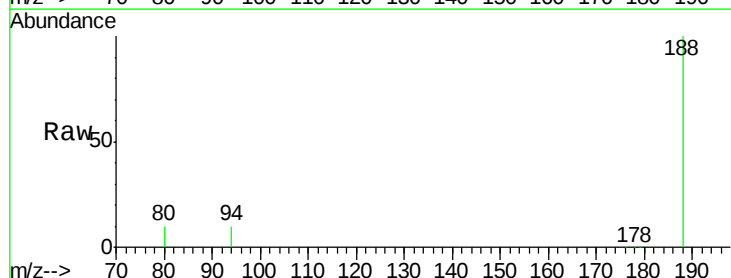
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.8

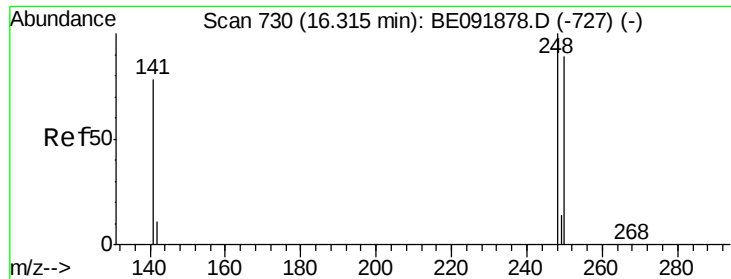
Tot Ion:204 Resp: 8735  
Ion Ratio Lower Upper  
204 100  
206 33.8 27.8 41.6  
141 246.7 197.6 296.4



#24  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.12 min Scan# 778  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:188 Resp: 163063  
Ion Ratio Lower Upper  
188 100  
94 10.2 4.1 6.1#  
80 10.0 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.92 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

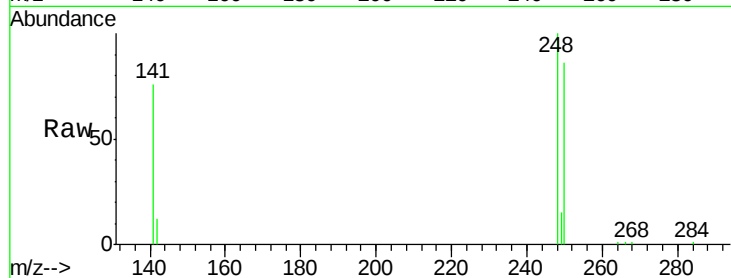
Tot Ion:248 Resp: 5372

Ion Ratio Lower Upper

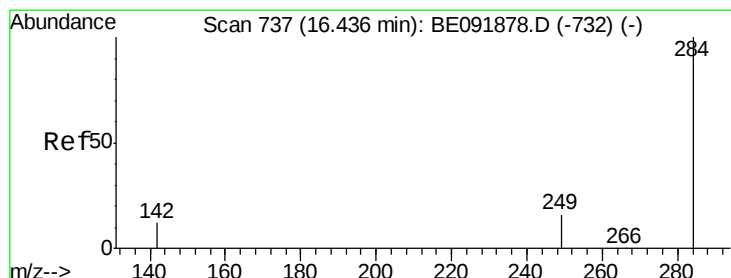
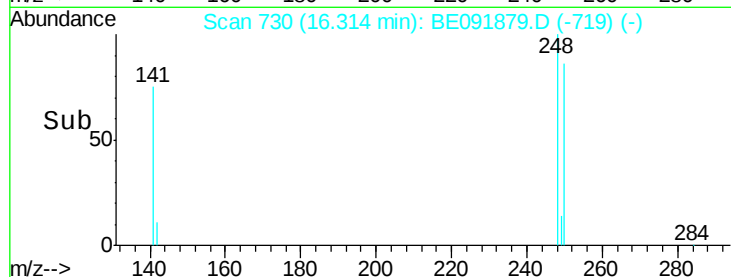
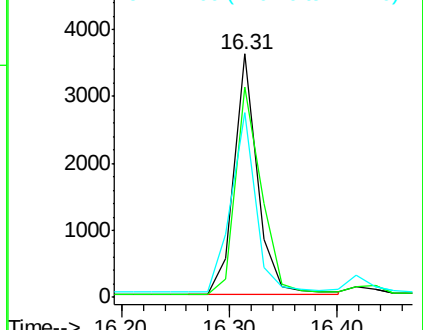
248 100

250 95.5 75.7 113.5

141 79.1 64.6 97.0



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



#26

Hexachlorobenzene

Concen: 0.96 ng

RT: 16.44 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

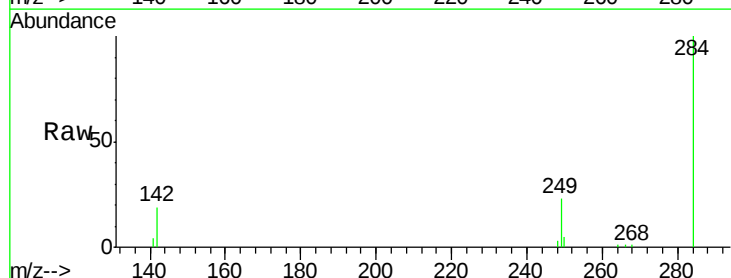
Tgt Ion:284 Resp: 5342

Ion Ratio Lower Upper

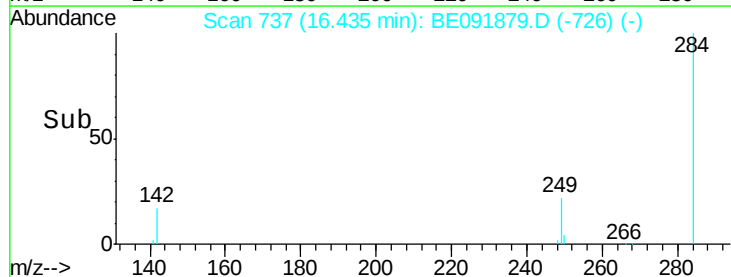
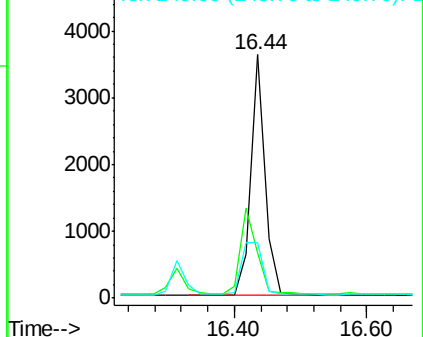
284 100

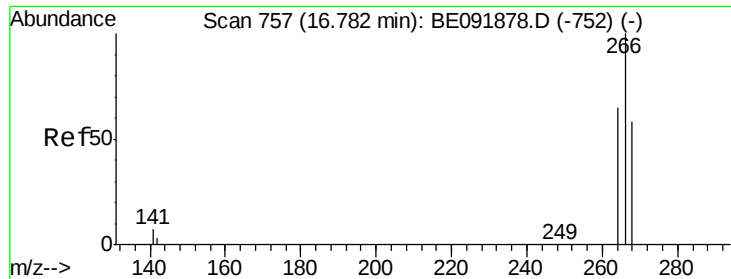
142 39.6 31.4 47.2

249 31.9 25.3 37.9



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

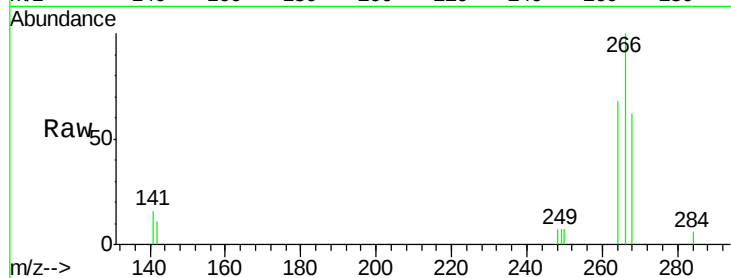




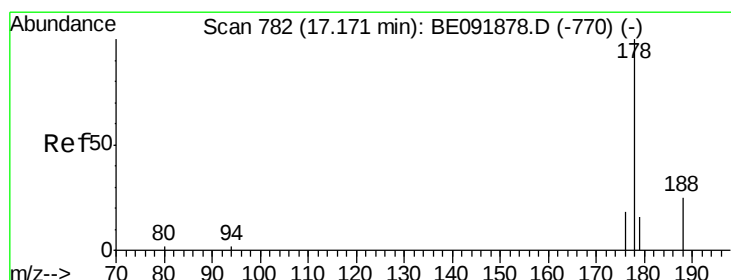
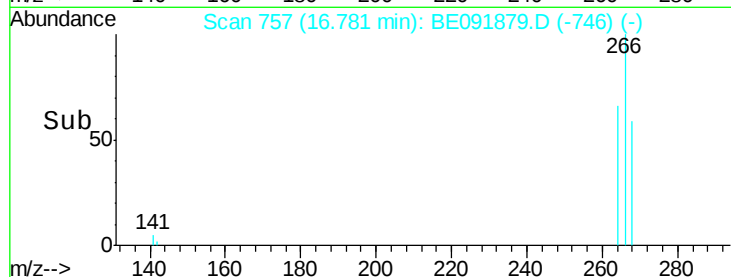
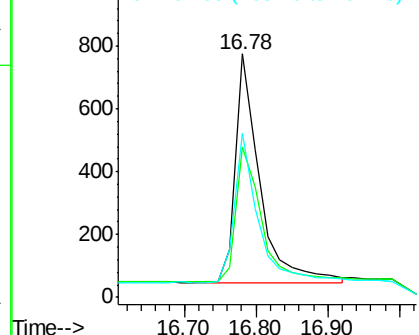
#27  
 Pentachlorophenol  
 Concen: 0.79 ng  
 RT: 16.78 min Scan# 757  
 Delta R.T. -0.00 min  
 Lab File: BE091879.D  
 Acq: 7 Jun 2016 12:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

Tot Ion:266 Resp: 1686  
 Ion Ratio Lower Upper  
 266 100  
 268 61.8 60.5 90.7  
 264 67.7 51.0 76.4

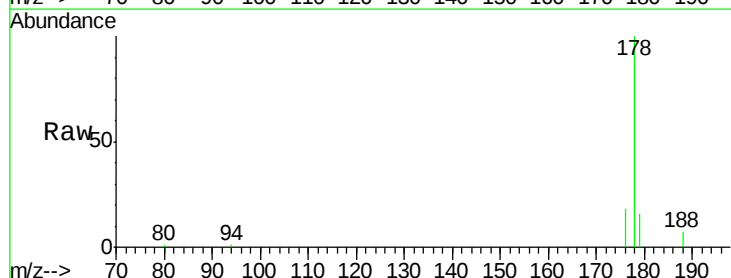


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

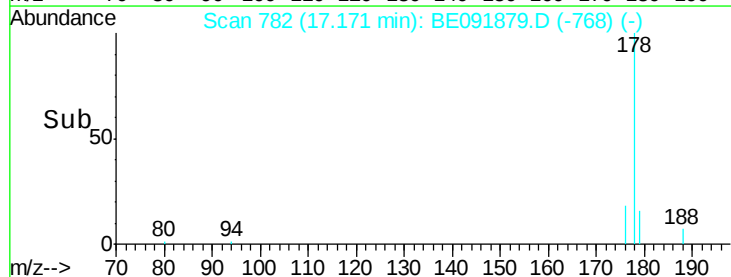
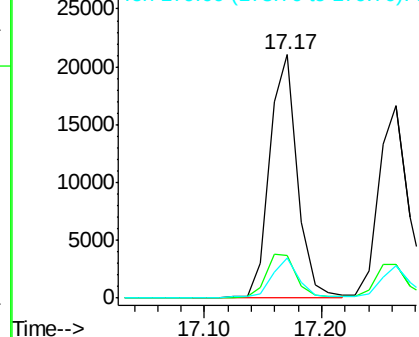


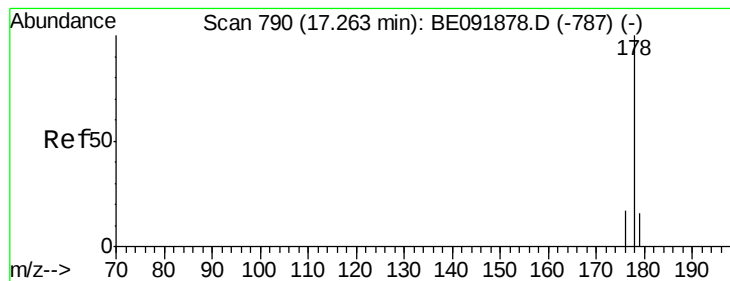
#28  
 Phenanthrene  
 Concen: 0.96 ng  
 RT: 17.17 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: BE091879.D  
 Acq: 7 Jun 2016 12:07

Tgt Ion:178 Resp: 34166  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.4 23.2  
 179 15.7 12.9 19.3



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





#29

Anthracene

Concen: 0.92 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

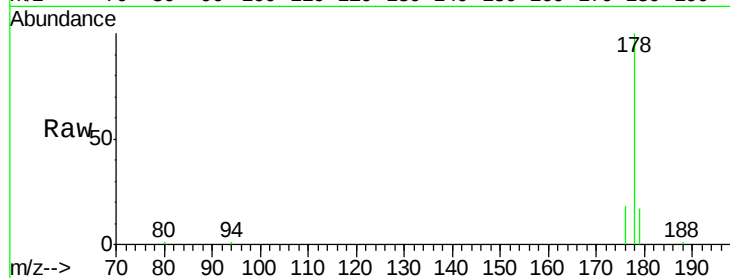
Tot Ion:178 Resp: 30054

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

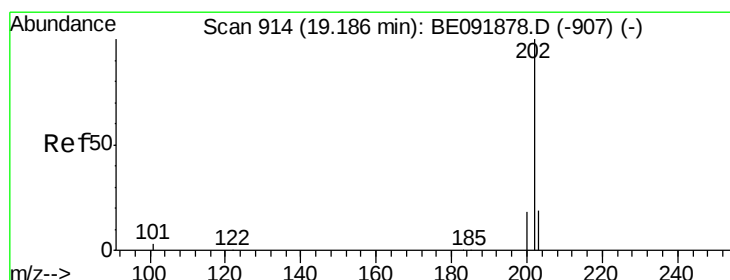
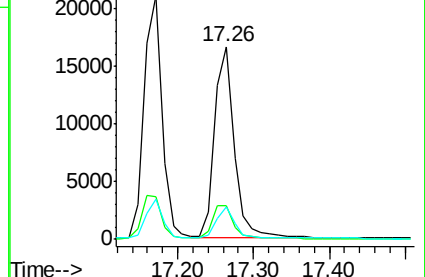
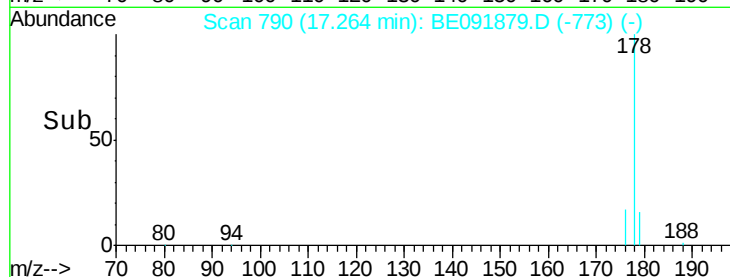
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.87 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

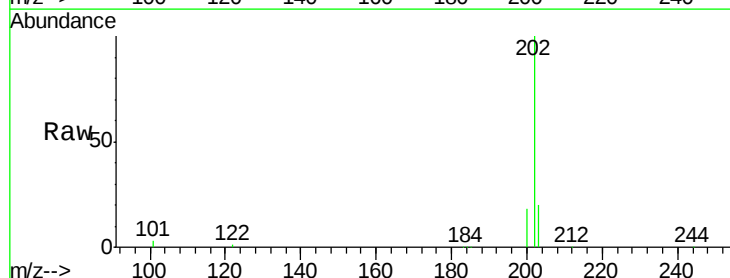
Tgt Ion:202 Resp: 35992

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.0

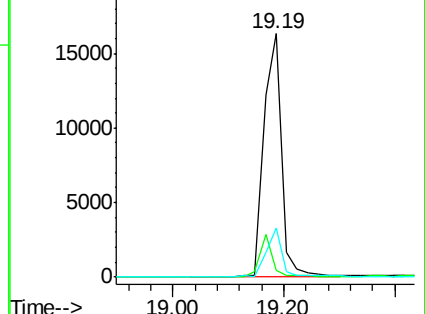
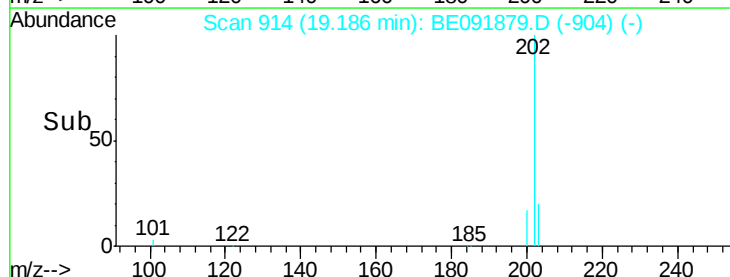
203 17.6 14.3 21.5

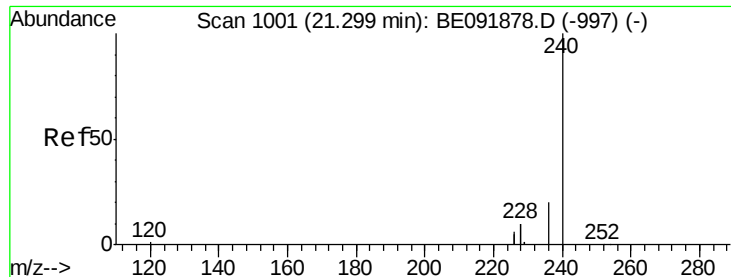


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

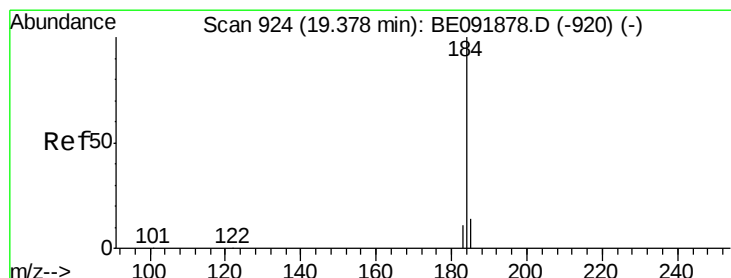
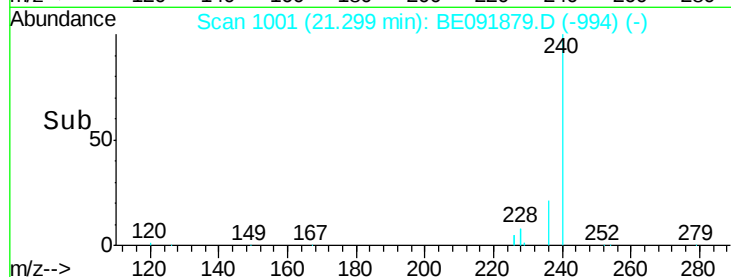
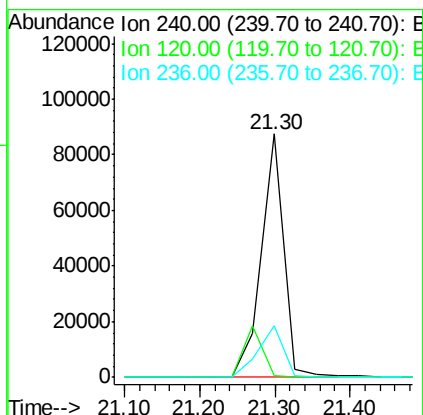
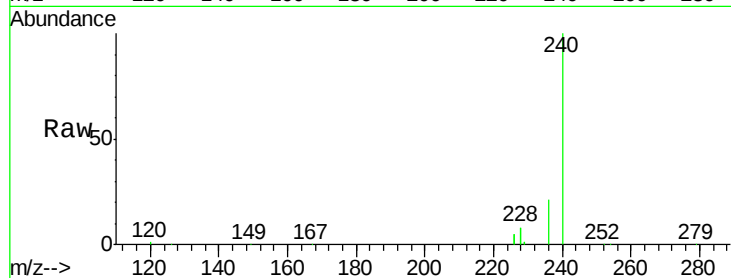




#31  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.30 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

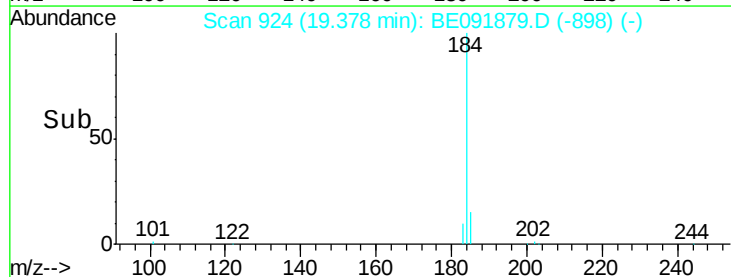
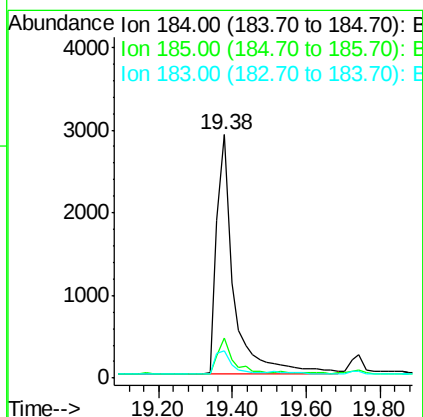
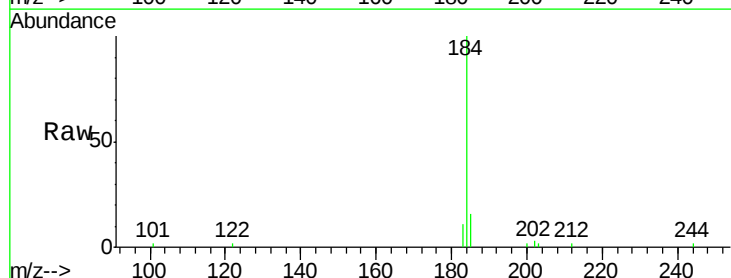
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

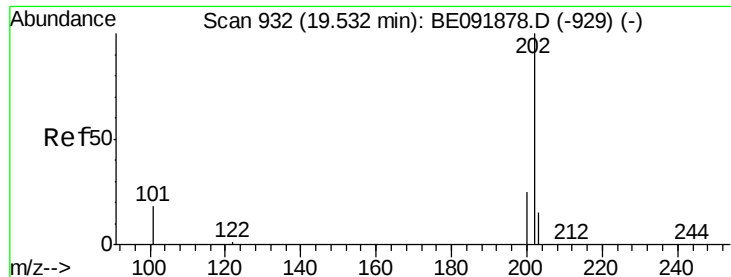
Tot Ion:240 Resp: 183503  
Ion Ratio Lower Upper  
240 100  
120 0.7 1.2 1.8#  
236 21.0 19.8 29.8



#32  
Benzidine  
Concen: 0.63 ng  
RT: 19.38 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:184 Resp: 9217  
Ion Ratio Lower Upper  
184 100  
185 16.3 11.4 17.2  
183 11.4 11.8 17.6#

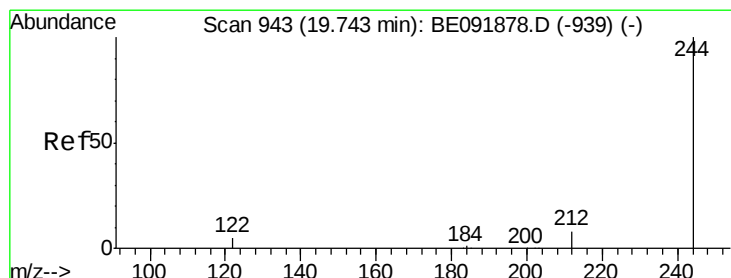
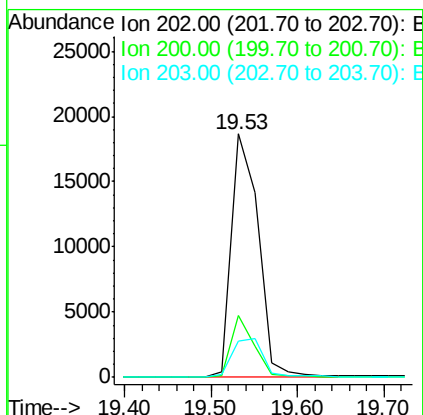
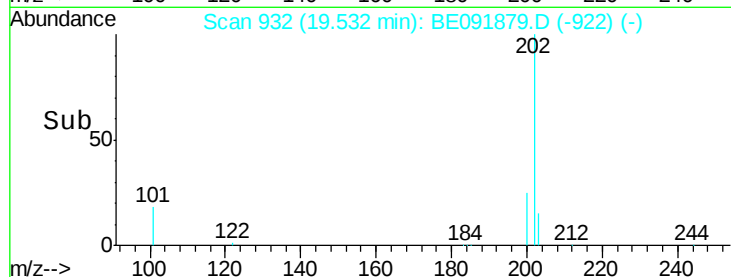
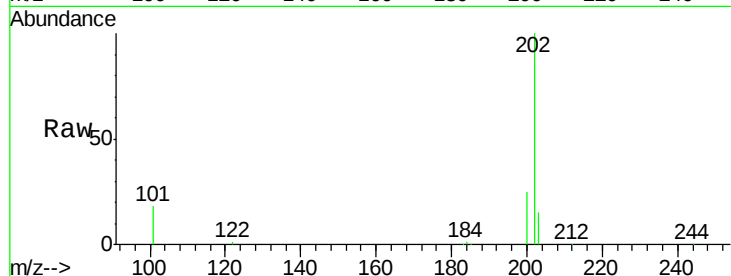




#33  
Pvrene  
Concen: 1.03 ng  
RT: 19.53 min Scan# 932  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

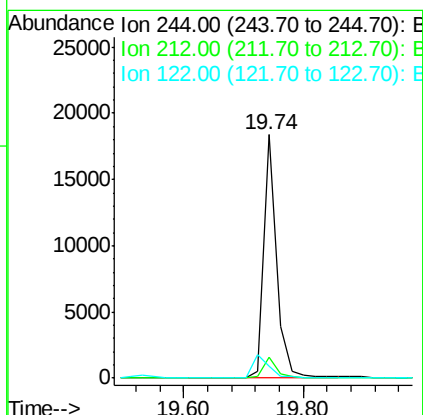
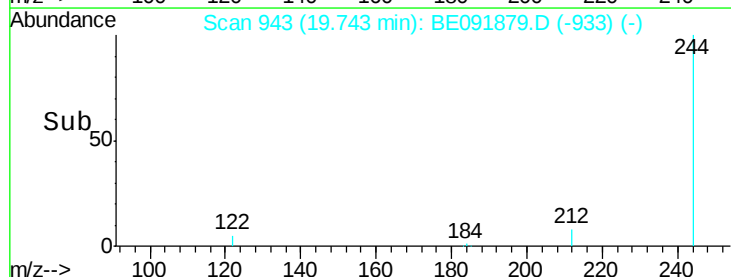
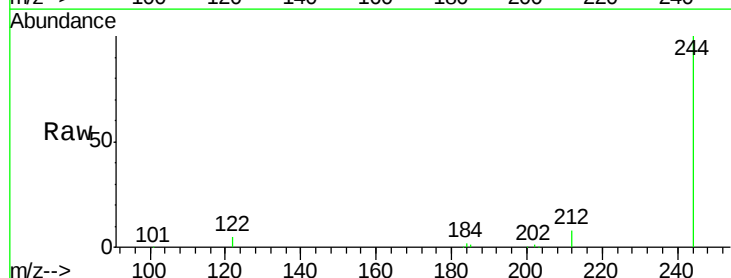
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

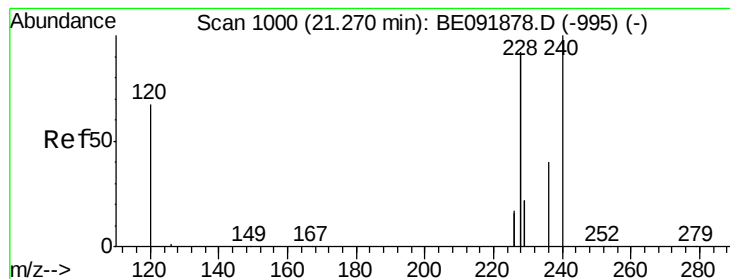
Tot Ion:202 Resp: 40060  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.9 25.3  
203 17.8 14.1 21.1



#34  
Terphenyl-d14  
Concen: 0.98 ng  
RT: 19.74 min Scan# 943  
Delta R.T. 0.00 min  
Lab File: BE091879.D  
Acq: 7 Jun 2016 12:07

Tgt Ion:244 Resp: 27130  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.5 9.7  
122 5.1 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 4.46 ng/mL

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

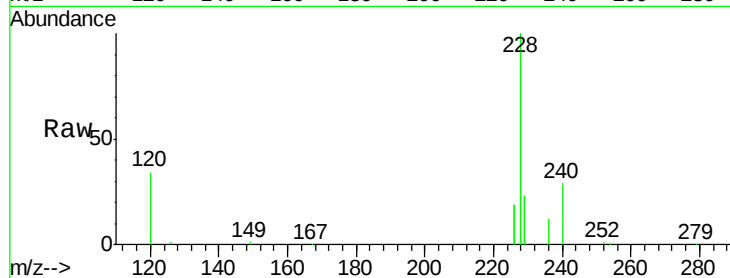
Tot Ion:228 Resp: 218249

Ion Ratio Lower Upper

228 100

226 19.3 21.0 31.4#

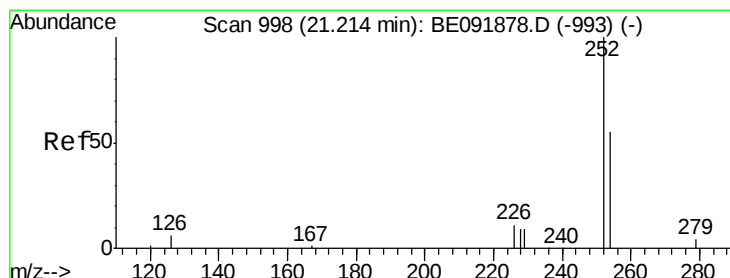
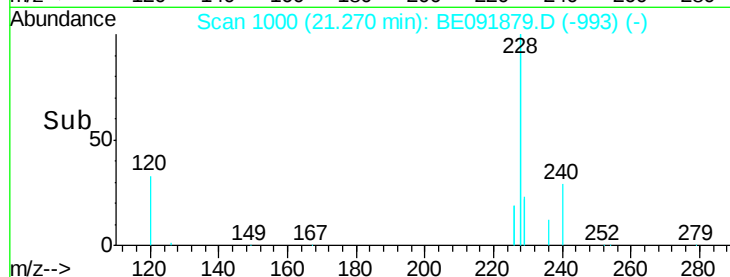
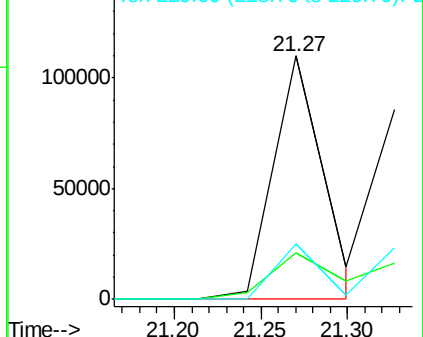
229 22.8 15.8 23.8



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



#36

3,3'-Dichlorobenzidine

Concen: 0.36 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

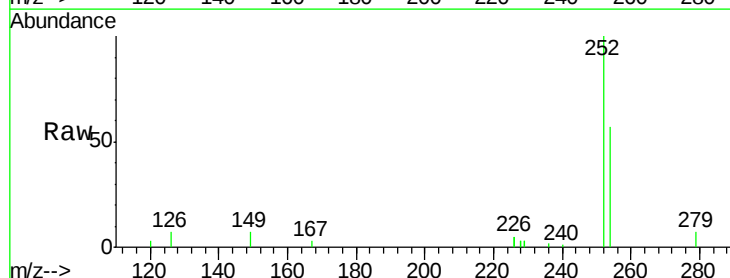
Tgt Ion:252 Resp: 9684

Ion Ratio Lower Upper

252 100

254 57.1 61.5 92.3#

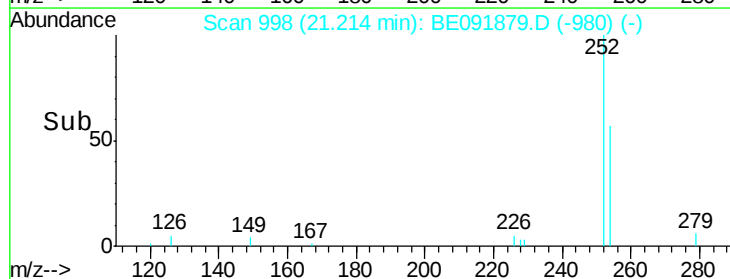
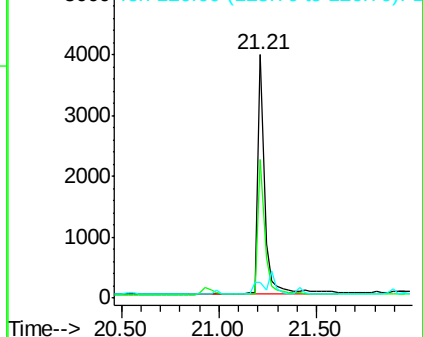
126 6.5 2.5 3.7#

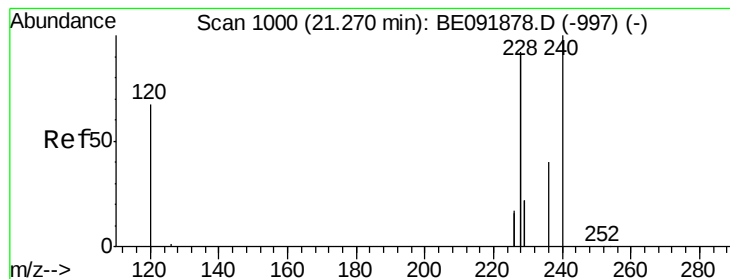


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.53 ng/mL

RT: 21.33 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

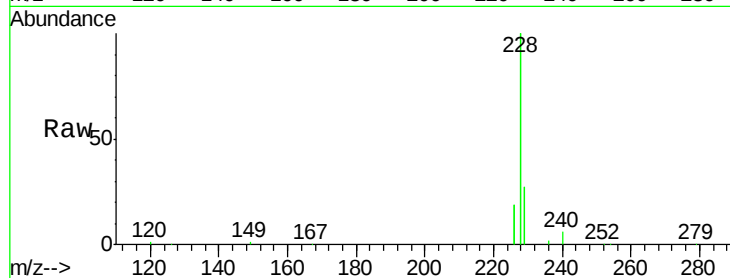
Tot Ion:228 Resp: 158327

Ion Ratio Lower Upper

228 100

226 19.1 27.0 40.6#

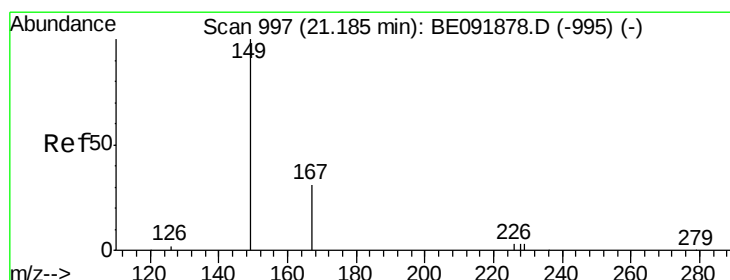
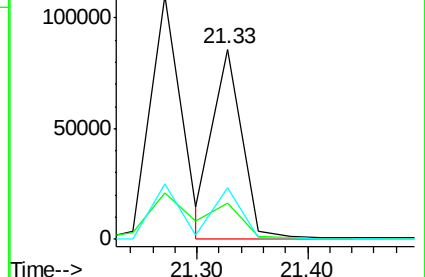
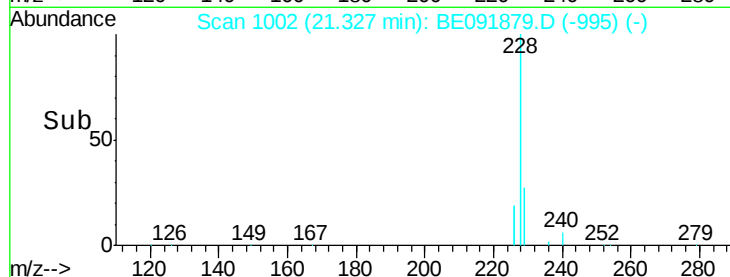
229 27.2 13.8 20.8#



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 1.21 ng/mL

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

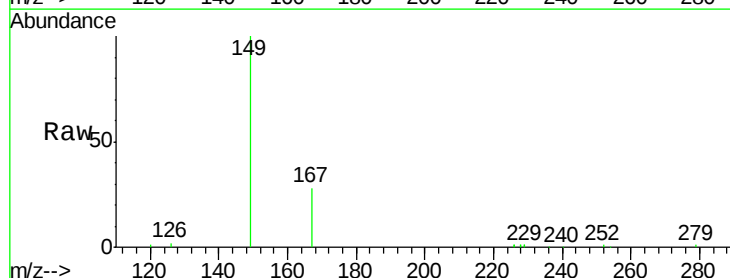
Tgt Ion:149 Resp: 21527

Ion Ratio Lower Upper

149 100

167 28.3 0.0 0.0#

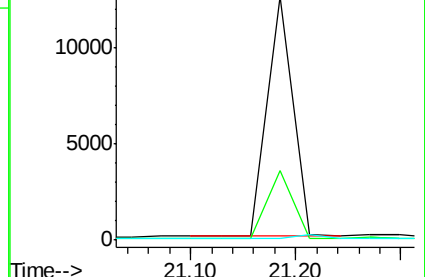
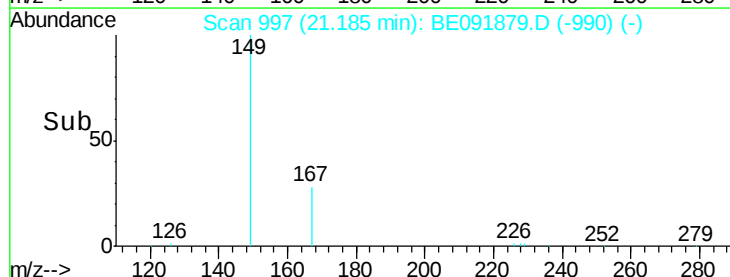
279 0.0 0.0 0.0

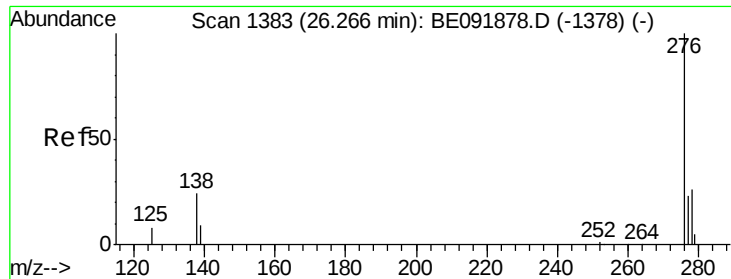


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.05 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

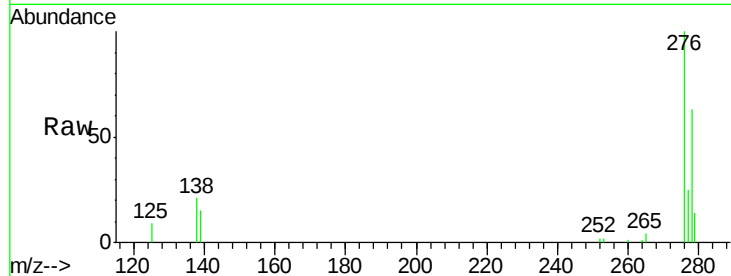
Tot Ion:276 Resp: 48025

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

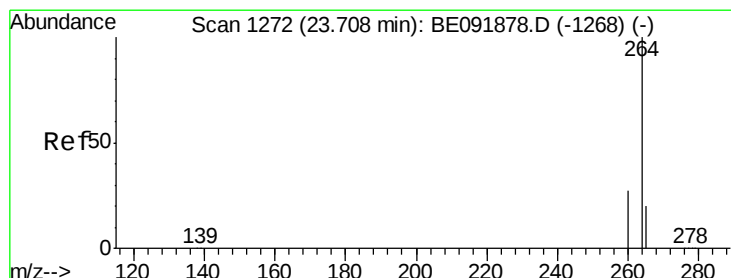
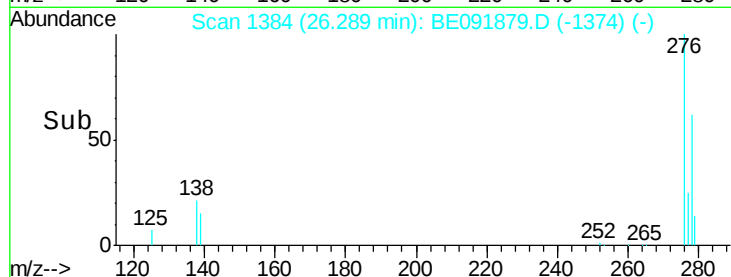
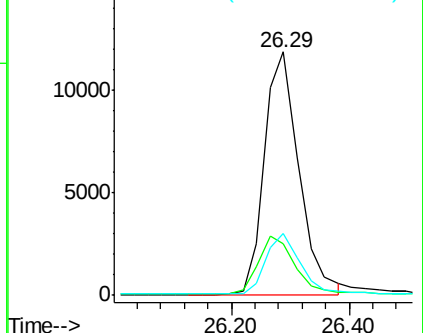
277 24.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.73 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

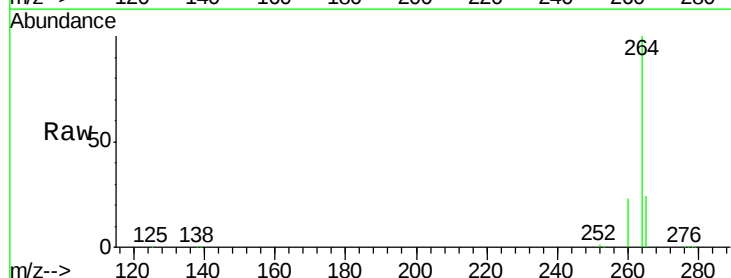
Tgt Ion:264 Resp: 217096

Ion Ratio Lower Upper

264 100

260 23.0 20.3 30.5

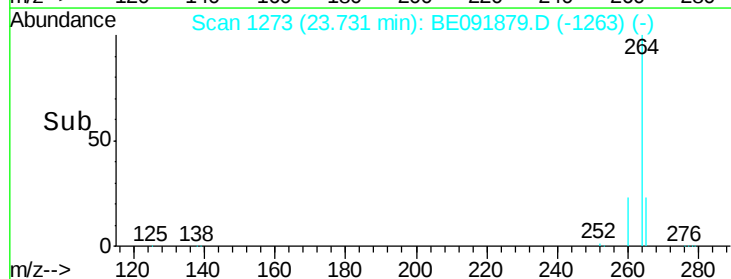
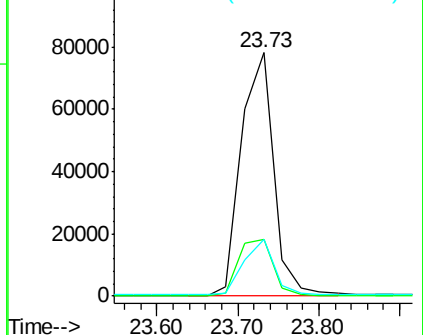
265 23.5 17.6 26.4

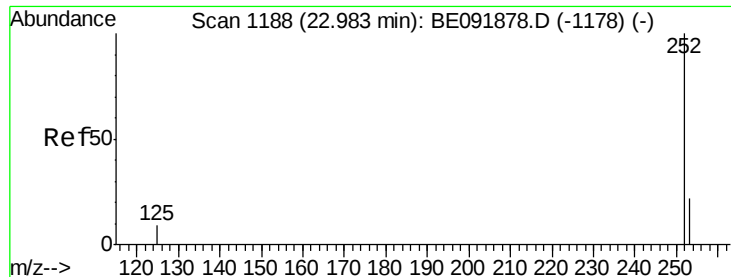


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.77 ng

RT: 22.98 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

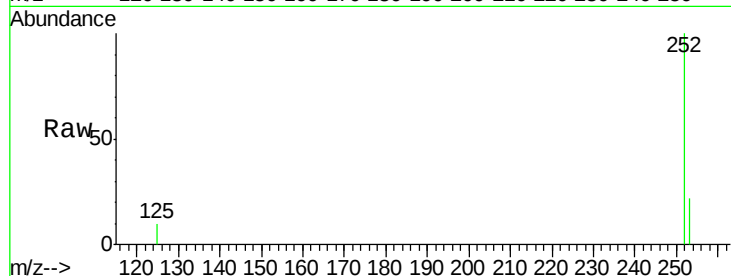
Tot Ion:252 Resp: 45264

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

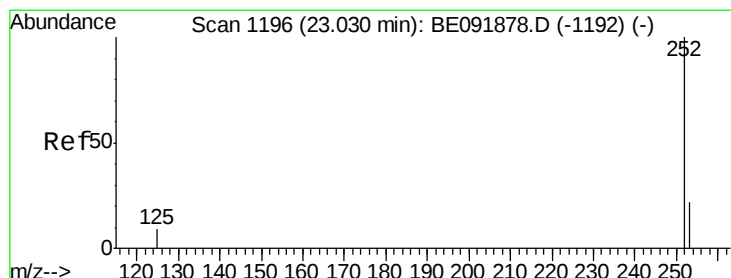
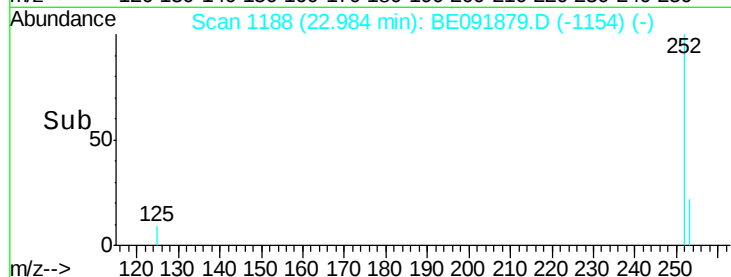
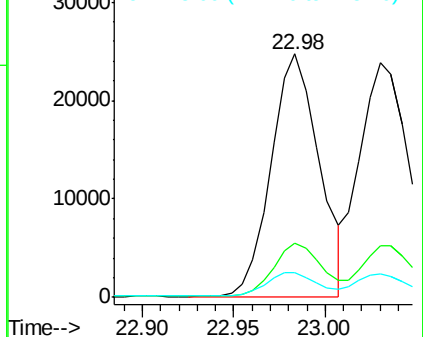
125 10.0 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.91 ng

RT: 23.03 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

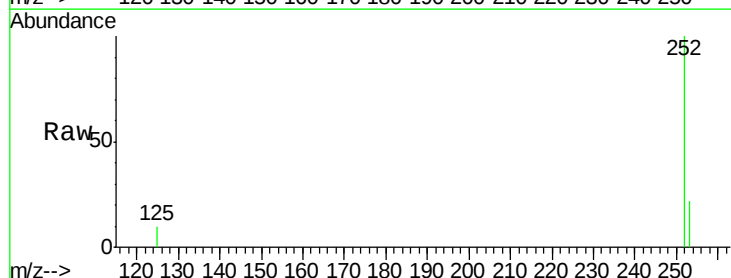
Tgt Ion:252 Resp: 48198

Ion Ratio Lower Upper

252 100

253 22.0 19.4 29.2

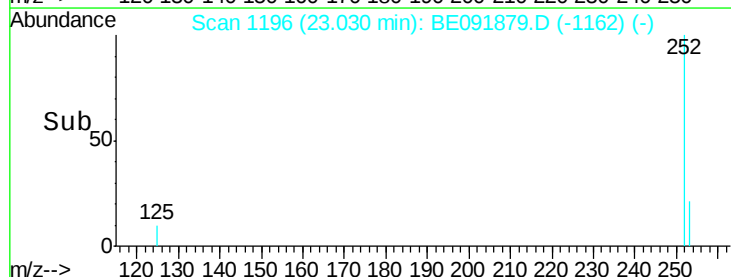
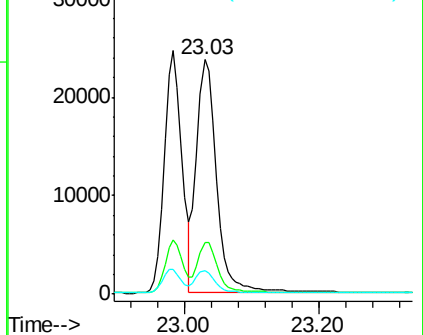
125 10.2 8.3 12.5

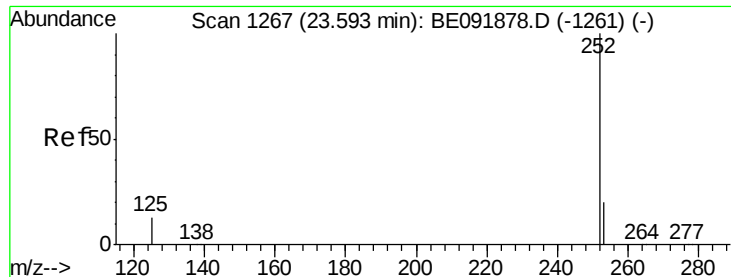


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.83 ng

RT: 23.62 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

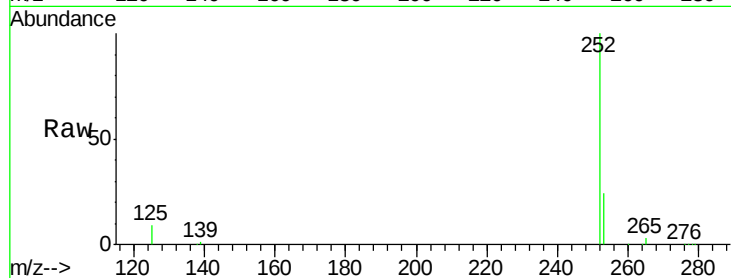
Tot Ion:252 Resp: 44262

Ion Ratio Lower Upper

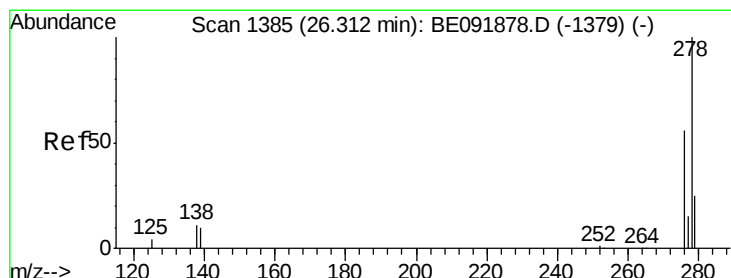
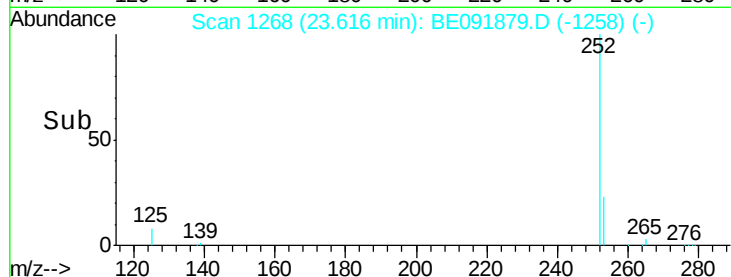
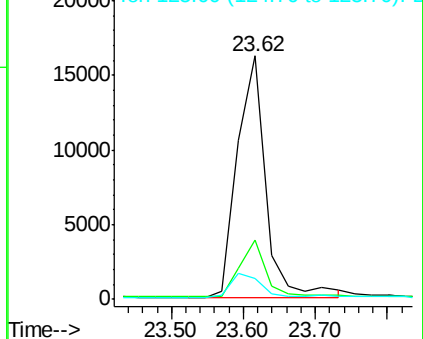
252 100

253 24.3 18.9 28.3

125 8.8 10.5 15.7#



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



#44

Dibenzo(a,h)anthracene

Concen: 0.79 ng

RT: 26.31 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

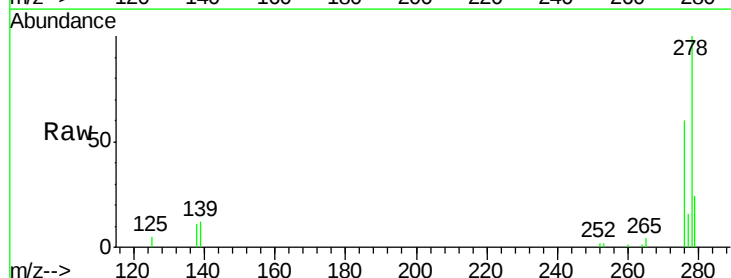
Tgt Ion:278 Resp: 40307

Ion Ratio Lower Upper

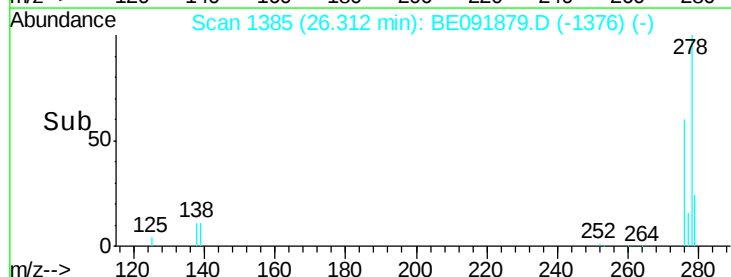
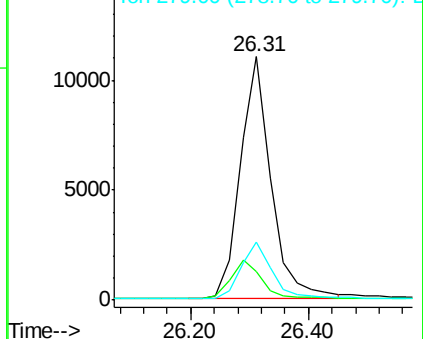
278 100

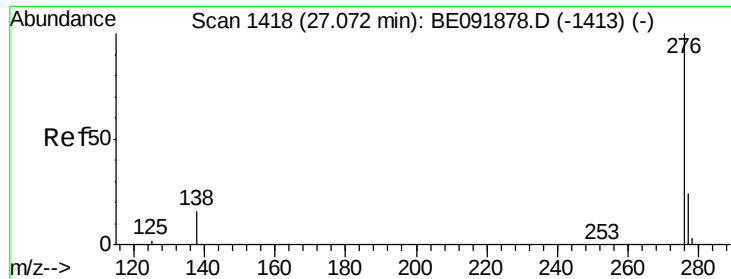
139 11.8 12.6 18.8#

279 24.1 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.81 ng

RT: 27.07 min Scan# 1418

Delta R.T. 0.00 min

Lab File: BE091879.D

Acq: 7 Jun 2016 12:07

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

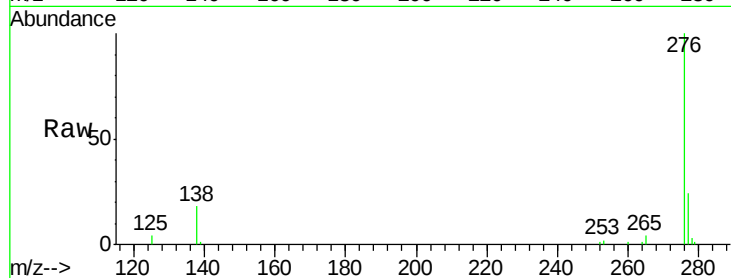
Tot Ion: 276 Resp: 42012

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 18.3 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E  
 15000 Ion 277.00 (276.70 to 277.70): E  
 Ion 138.00 (137.70 to 138.70): E

