

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE041316\  
 Data File : BE091657.D  
 Acq On : 13 Apr 2016 14:59  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Apr 14 00:52:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE040816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 08 16:48:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 30851    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.57 | 136  | 148551   | 5.00 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 14.42 | 164  | 88885    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.15 | 188  | 243673   | 5.00 | ng    | -0.01    |
| 26) Chrysene-d12          | 21.31 | 240  | 258941   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.75 | 264  | 233410   | 5.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |       |      |    |      |
|--------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol        | 5.41  | 112 | 2612  | 0.35 | ng | 0.00 |
| 5) Phenol-d6             | 6.97  | 99  | 3394  | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5       | 8.96  | 82  | 2858  | 0.33 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.91 | 330 | 1350  | 0.64 | ng | 0.00 |
| 15) 2-Fluorobiphenyl     | 13.05 | 172 | 10006 | 0.40 | ng | 0.00 |
| 29) Terphenyl-d14        | 19.76 | 244 | 14558 | 0.45 | ng | 0.00 |

## Target Compounds

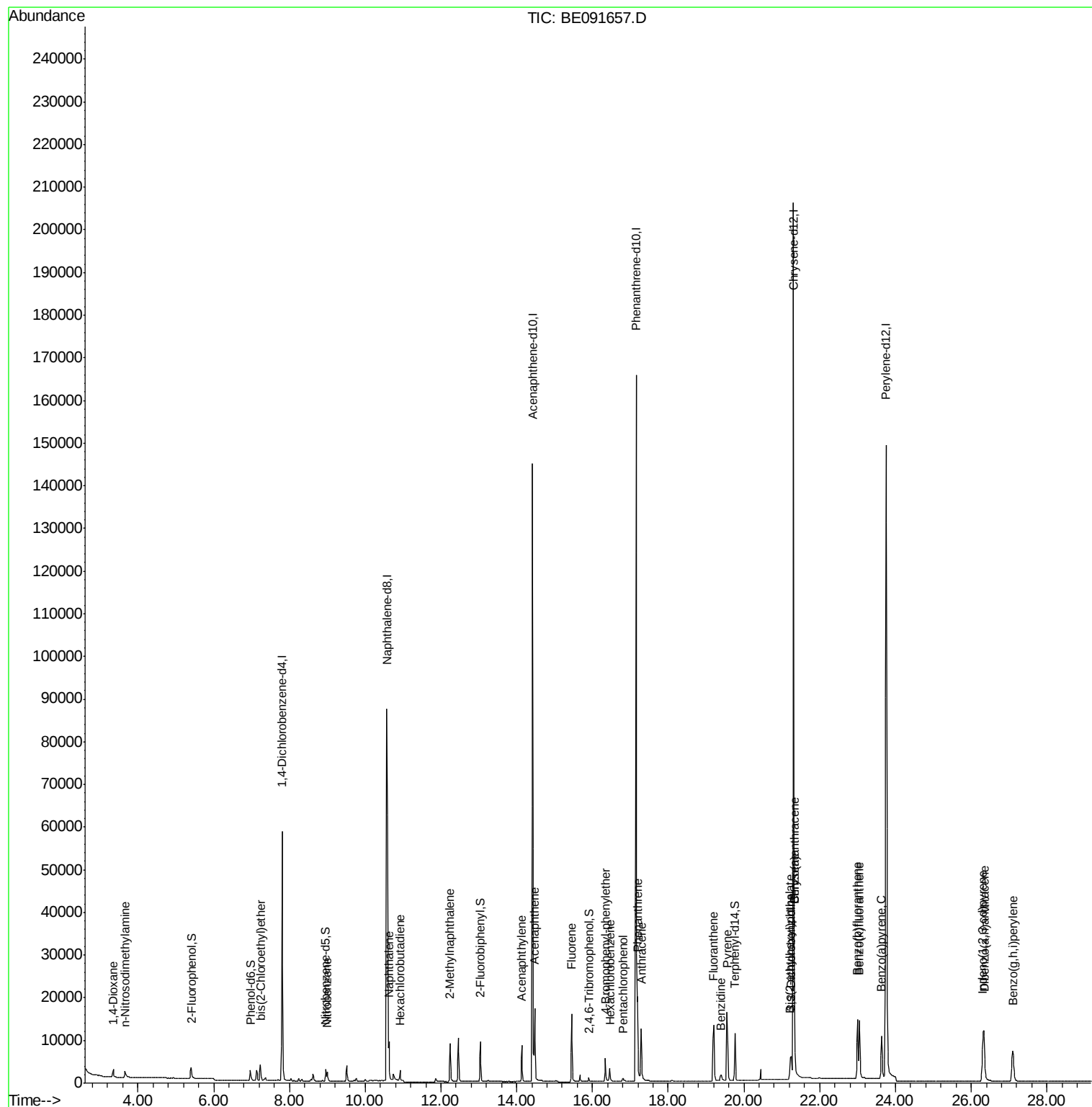
|                                |       |     |       |      |    | Qvalue |
|--------------------------------|-------|-----|-------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88  | 1615  | 0.40 | ng | 90     |
| 3) n-Nitrosodimethylamine      | 3.66  | 42  | 1675  | 0.35 | ng | 92     |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 3193  | 0.38 | ng | # 76   |
| 9) Nitrobenzene                | 9.00  | 77  | 2879  | 0.43 | ng | 96     |
| 10) Naphthalene                | 10.63 | 128 | 12263 | 0.40 | ng | 99     |
| 11) Hexachlorobutadiene        | 10.92 | 225 | 2308  | 0.51 | ng | 91     |
| 12) 2-Methylnaphthalene        | 12.24 | 142 | 7606  | 0.39 | ng | 94     |
| 16) Acenaphthylene             | 14.14 | 152 | 12942 | 0.38 | ng | # 78   |
| 17) Acenaphthene               | 14.47 | 154 | 9018  | 0.41 | ng | 91     |
| 18) Fluorene                   | 15.46 | 166 | 10634 | 0.39 | ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.34 | 248 | 2969  | 0.35 | ng | 96     |
| 21) Hexachlorobenzene          | 16.46 | 284 | 3285  | 0.37 | ng | 97     |
| 22) Pentachlorophenol          | 16.81 | 266 | 776   | 0.39 | ng | 94     |
| 23) Phenanthrene               | 17.20 | 178 | 20737 | 0.37 | ng | 99     |
| 24) Anthracene                 | 17.29 | 178 | 17035 | 0.35 | ng | 99     |
| 25) Fluoranthene               | 19.21 | 202 | 19233 | 0.33 | ng | 97     |
| 27) Benzdine                   | 19.40 | 184 | 4112  | 0.48 | ng | # 85   |
| 28) Pyrene                     | 19.55 | 202 | 20747 | 0.40 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 48841 | 0.84 | ng | # 90   |
| 31) 3,3'-Dichlorobenzidine     | 21.24 | 252 | 8206  | 0.35 | ng | # 81   |
| 32) Chrysene                   | 21.33 | 228 | 49218 | 0.94 | ng | 94     |
| 33) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 3659  | 0.34 | ng | # 87   |
| 34) Indeno(1,2,3-cd)pyrene     | 26.31 | 276 | 21185 | 0.36 | ng | 96     |
| 36) Benzo(b)fluoranthene       | 23.00 | 252 | 20024 | 0.37 | ng | 97     |
| 37) Benzo(k)fluoranthene       | 23.04 | 252 | 20507 | 0.38 | ng | 98     |
| 38) Benzo(a)pyrene             | 23.63 | 252 | 17530 | 0.35 | ng | 99     |
| 39) Dibenzo(a,h)anthracene     | 26.34 | 278 | 17348 | 0.35 | ng | 96     |
| 40) Benzo(g,h,i)perylene       | 27.10 | 276 | 18580 | 0.36 | ng | 96     |

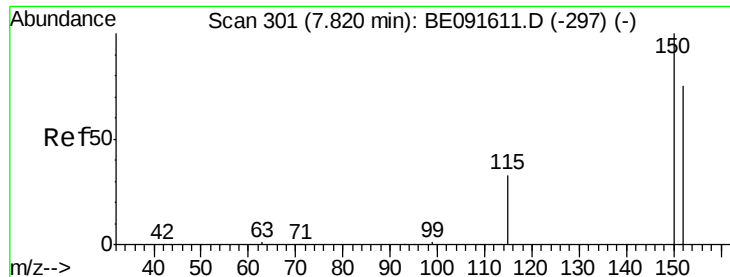
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 08 16:48:14 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

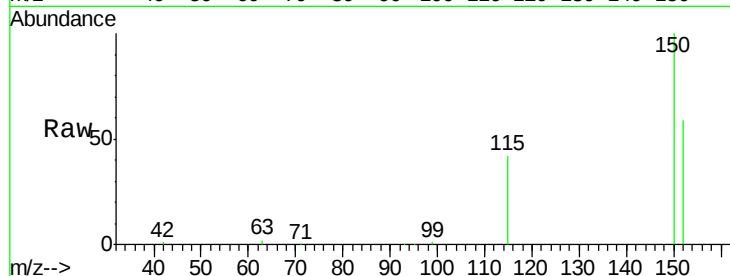
Tgt Ion:152 Resp: 30851

Ion Ratio Lower Upper

152 100

150 169.0 122.6 183.8

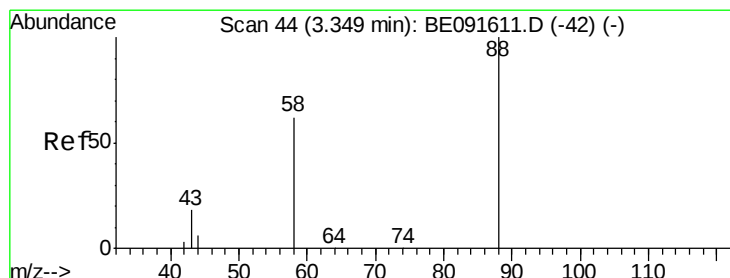
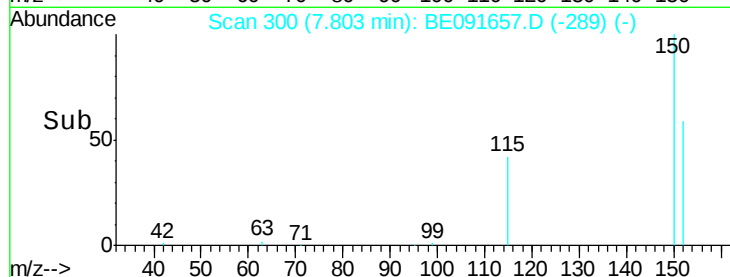
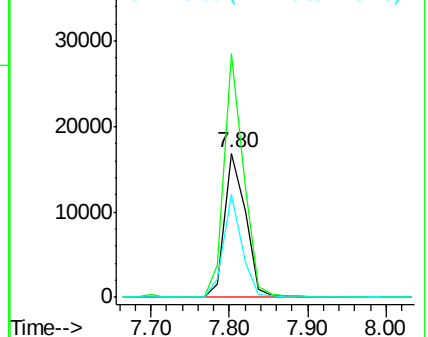
115 71.6 52.8 79.2



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: 0.40 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

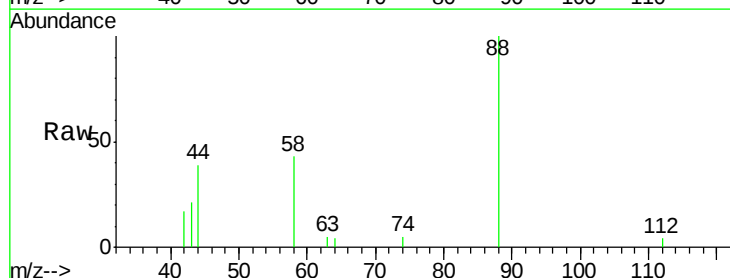
Tgt Ion: 88 Resp: 1615

Ion Ratio Lower Upper

88 100

58 72.4 65.8 98.6

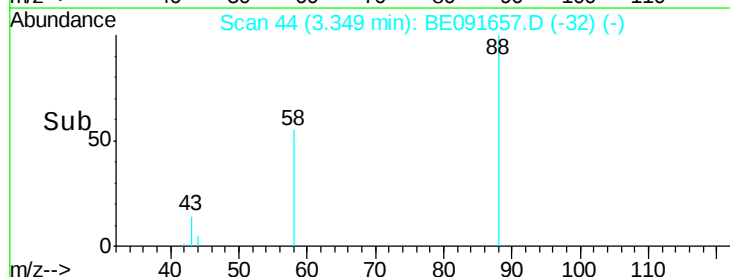
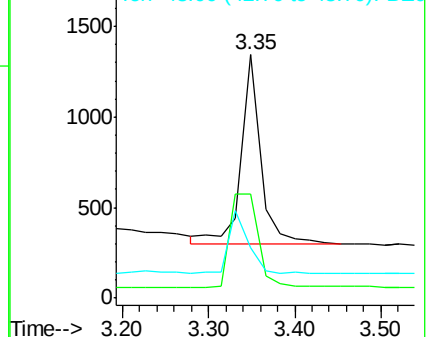
43 35.7 25.3 37.9

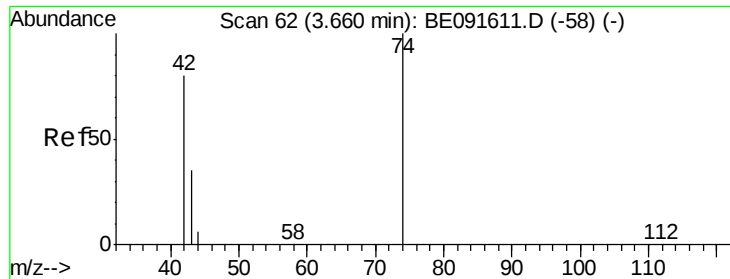


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.35 ng

RT: 3.66 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

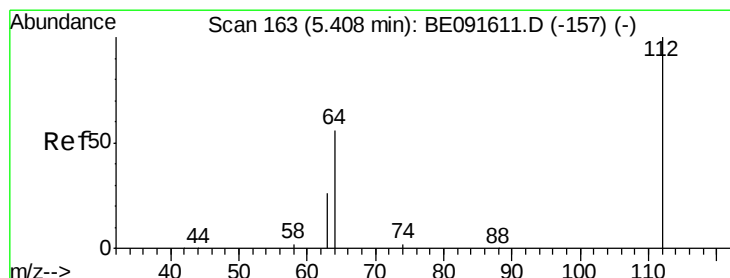
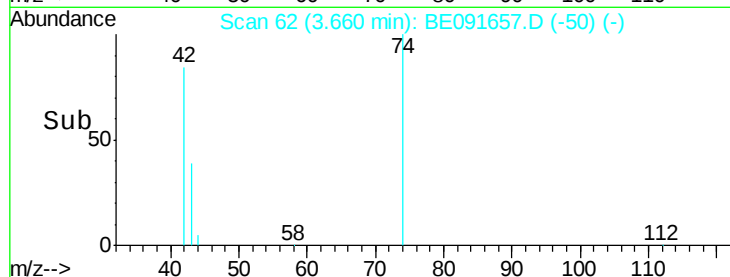
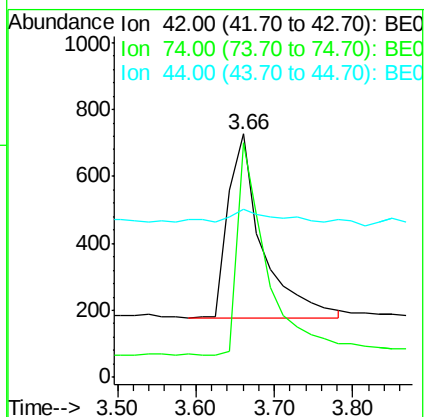
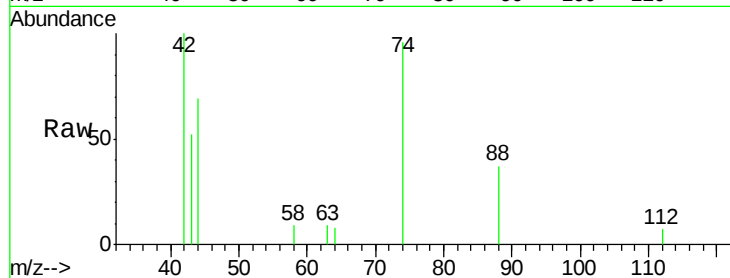
Tgt Ion: 42 Resp: 1675

Ion Ratio Lower Upper

42 100

74 101.4 87.9 131.9

44 8.3 6.6 9.8



#4

2-Fluorophenol

Concen: 0.35 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

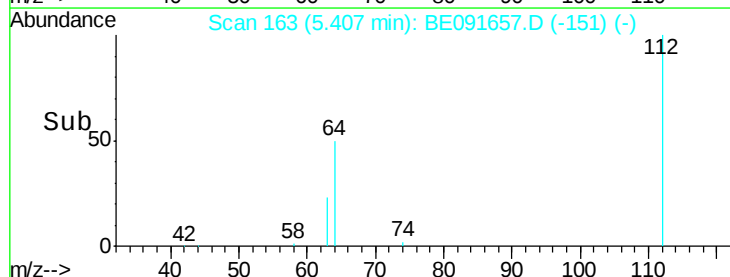
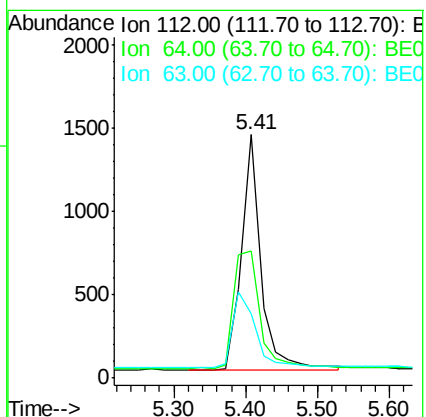
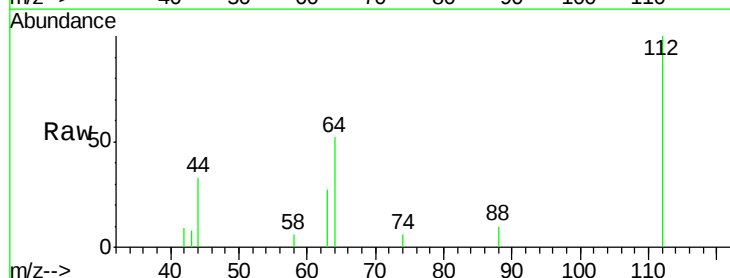
Tgt Ion: 112 Resp: 2612

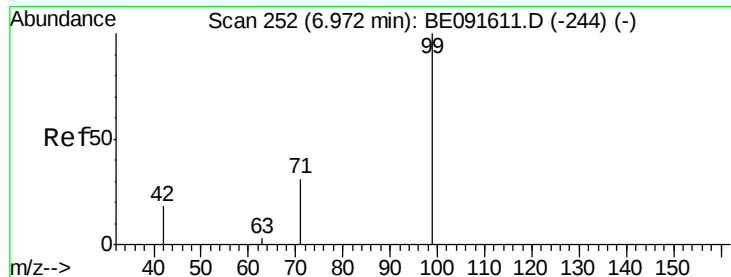
Ion Ratio Lower Upper

112 100

64 68.2 30.9 46.3#

63 37.7 16.7 25.1#





#5

Phenol-d6

Concen: 0.35 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

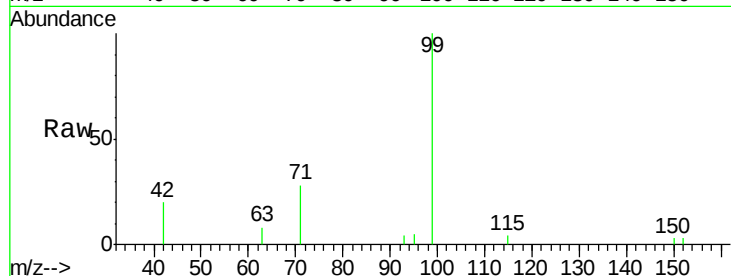
Tgt Ion: 99 Resp: 3394

Ion Ratio Lower Upper

99 100

42 27.2 16.2 24.2#

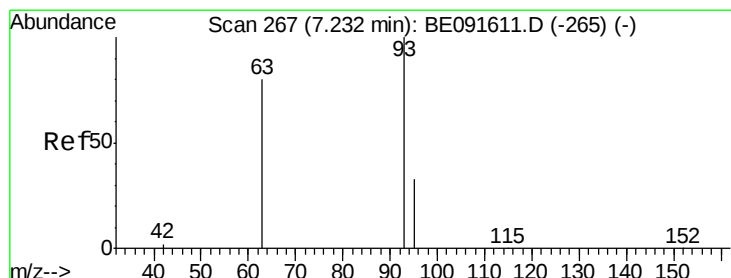
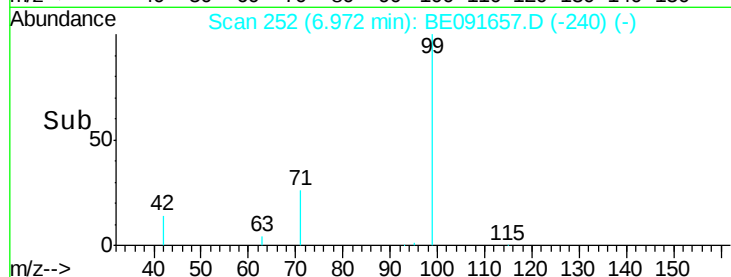
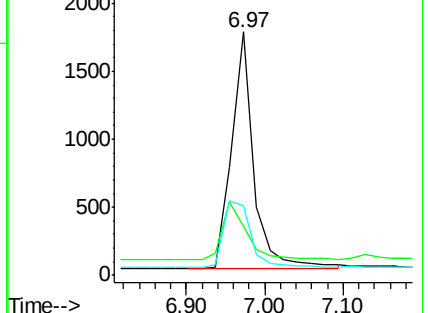
71 35.1 29.0 43.4



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: 0.38 ng

RT: 7.23 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

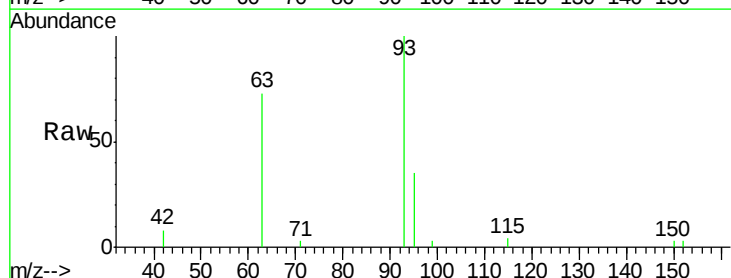
Tgt Ion: 93 Resp: 3193

Ion Ratio Lower Upper

93 100

63 84.7 49.5 74.3#

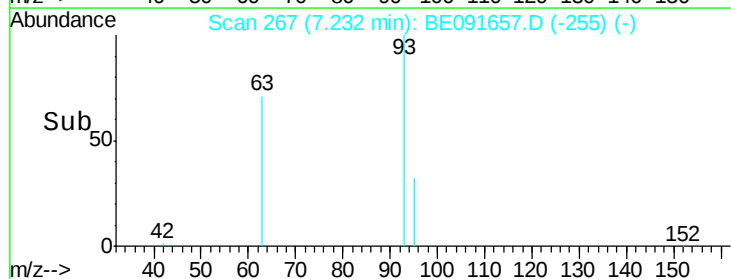
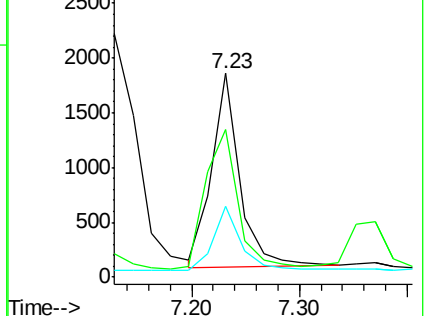
95 33.7 22.2 33.4#

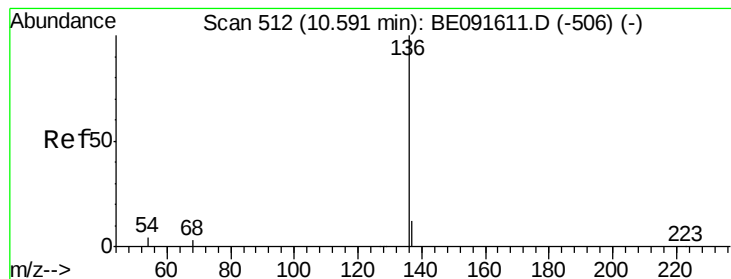


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.02 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 136 Resp: 148551

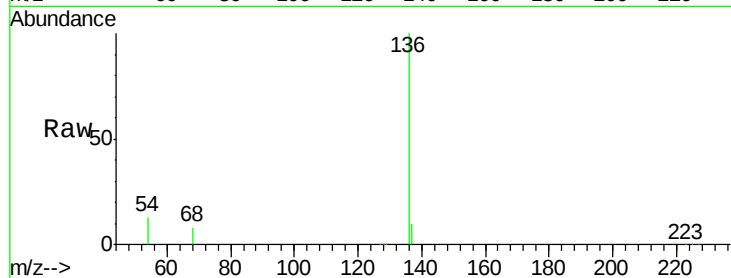
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 12.6 8.2 12.4#

68 8.4 6.2 9.4

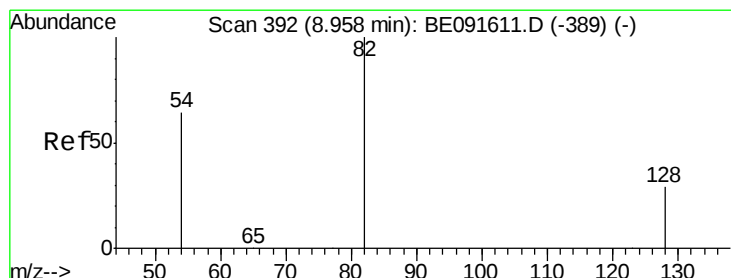
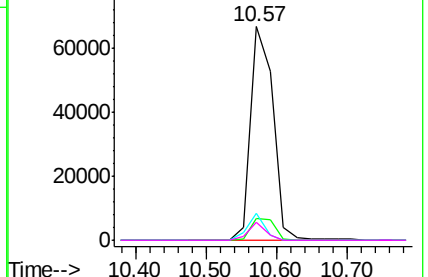
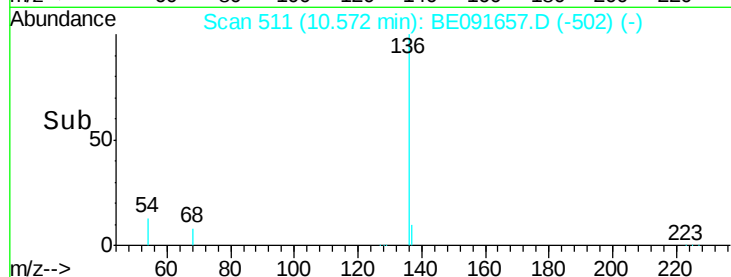


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.33 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

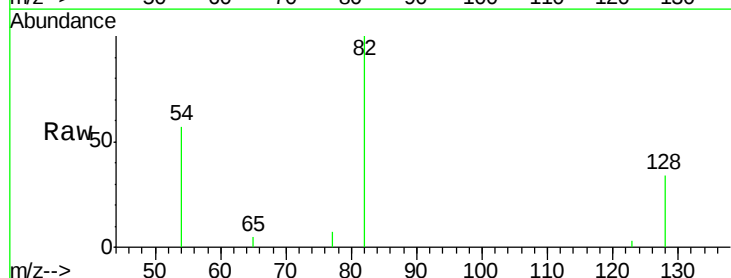
Tgt Ion: 82 Resp: 2858

Ion Ratio Lower Upper

82 100

128 34.3 25.4 38.0

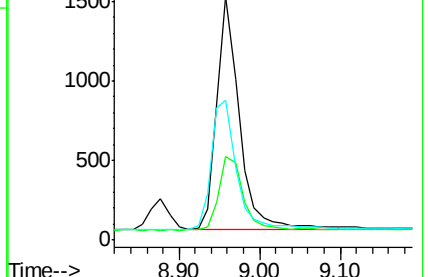
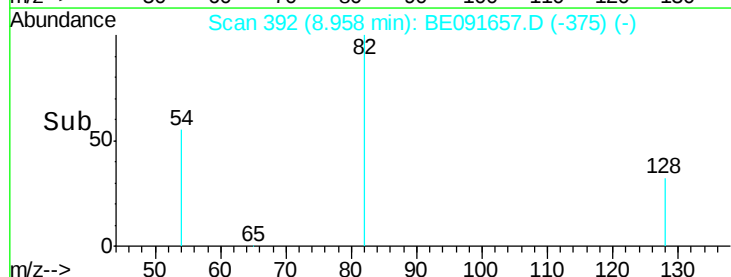
54 57.4 48.4 72.6

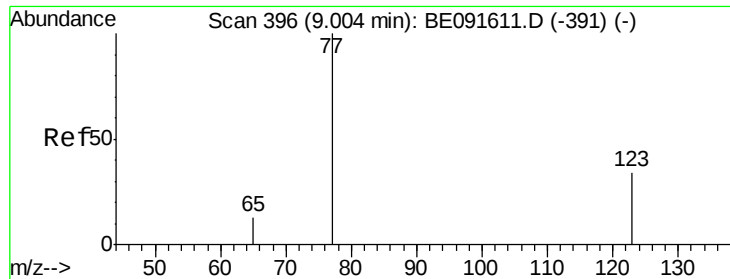


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.43 ng

RT: 9.00 min Scan# 396

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

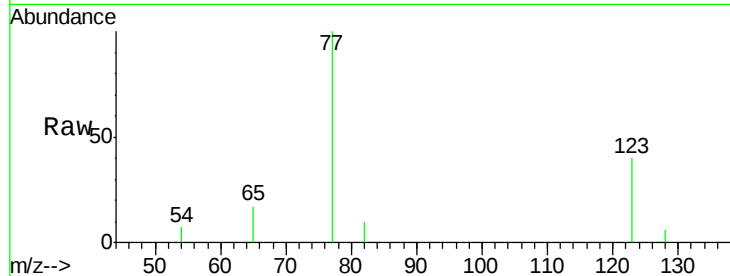
Tgt Ion: 77 Resp: 2879

Ion Ratio Lower Upper

77 100

123 35.7 26.9 40.3

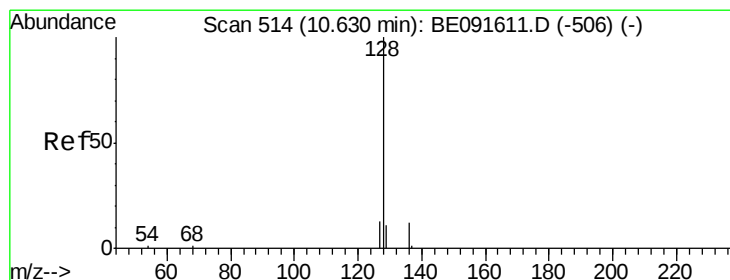
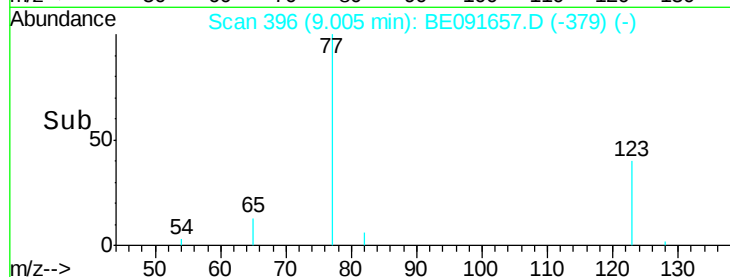
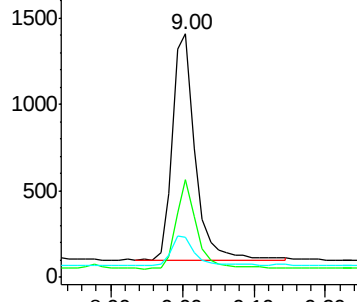
65 13.7 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091611.D (-391) (-)

Ion 123.00 (122.70 to 123.70): BE091611.D (-391) (-)

Ion 65.00 (64.70 to 65.70): BE091611.D (-391) (-)



#10

Naphthalene

Concen: 0.40 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

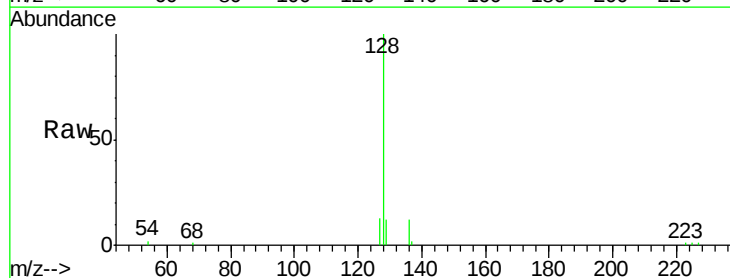
Tgt Ion: 128 Resp: 12263

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

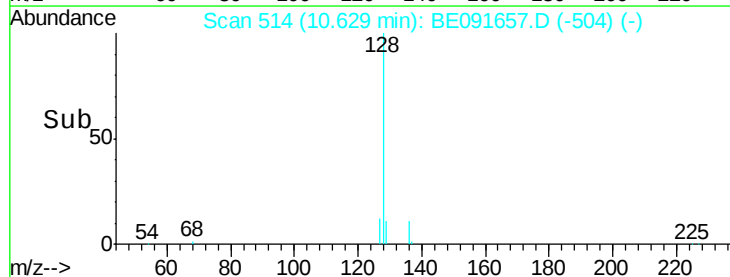
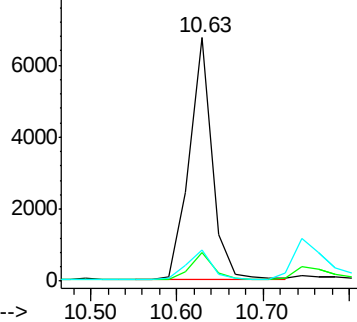
127 12.6 10.7 16.1

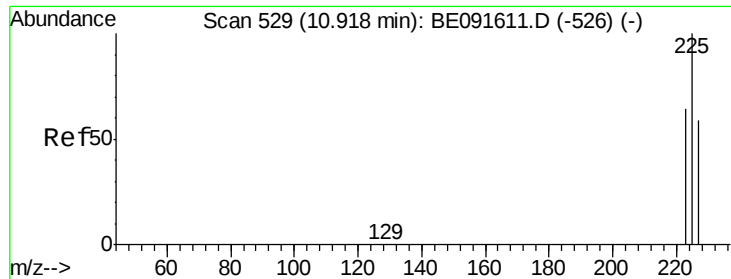


Abundance Ion 128.00 (127.70 to 128.70): BE091611.D (-506) (-)

Ion 129.00 (128.70 to 129.70): BE091611.D (-506) (-)

Ion 127.00 (126.70 to 127.70): BE091611.D (-506) (-)

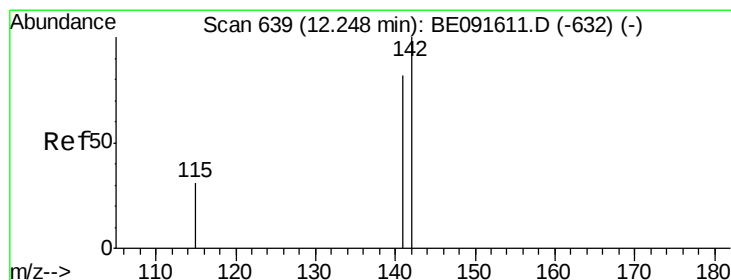
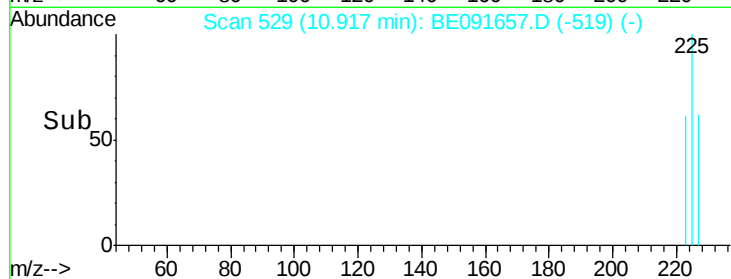
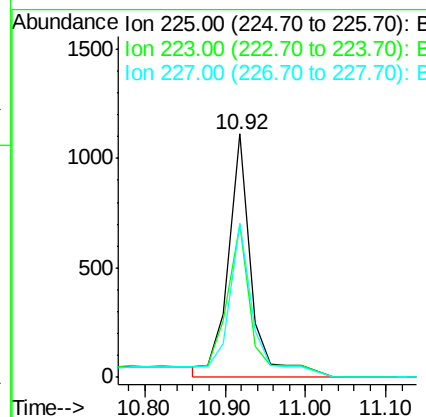
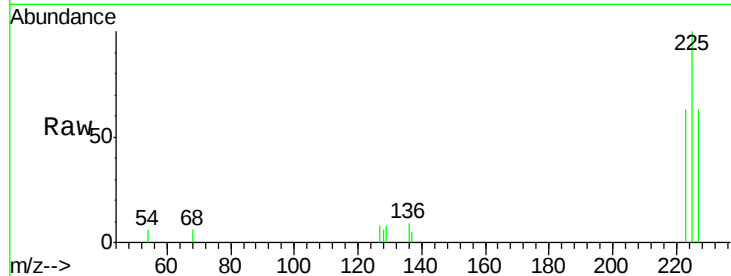




#11  
Hexachlorobutadiene  
Concen: 0.51 ng  
RT: 10.92 min Scan# 529  
Delta R.T. -0.00 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

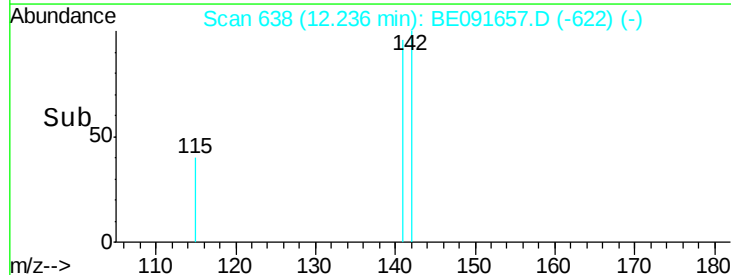
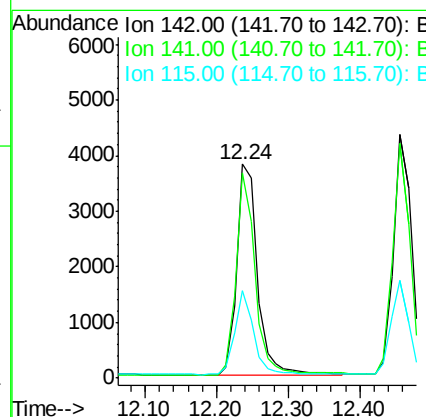
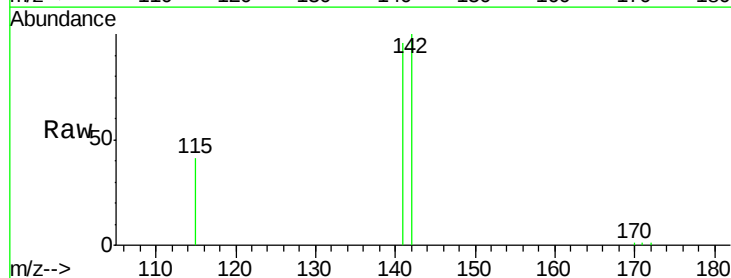
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

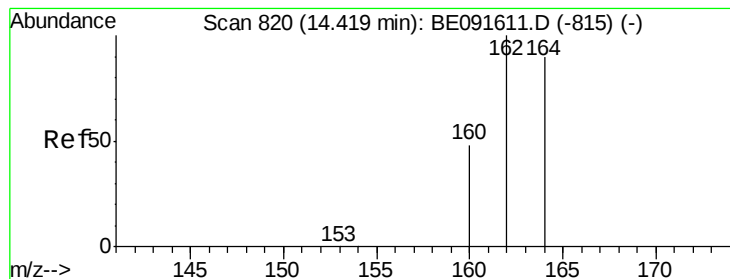
Tgt Ion: 225 Resp: 2308  
Ion Ratio Lower Upper  
225 100  
223 70.3 49.0 73.6  
227 68.5 50.3 75.5



#12  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 12.24 min Scan# 638  
Delta R.T. -0.01 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

Tgt Ion: 142 Resp: 7606  
Ion Ratio Lower Upper  
142 100  
141 96.0 71.4 107.0  
115 40.7 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: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

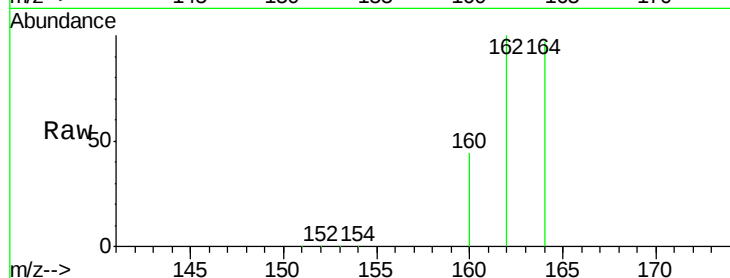
Tgt Ion:164 Resp: 88885

Ion Ratio Lower Upper

164 100

162 102.6 85.3 127.9

160 45.0 46.2 69.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

80000

60000

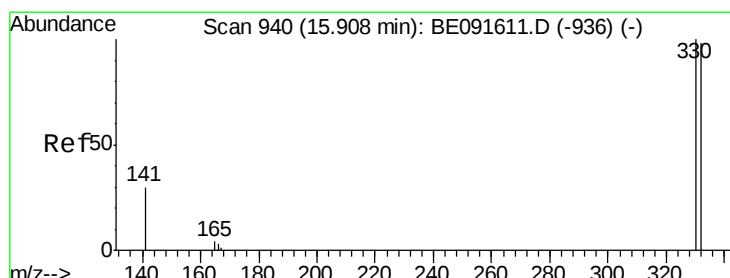
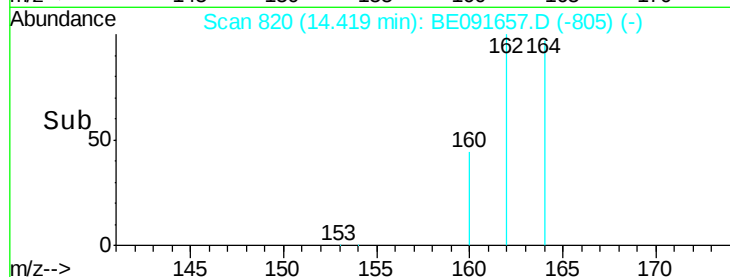
40000

20000

0

14.42

Time--> 14.20 14.40 14.60



#14

2,4,6-Tribromophenol

Concen: 0.64 ng

RT: 15.91 min Scan# 940

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

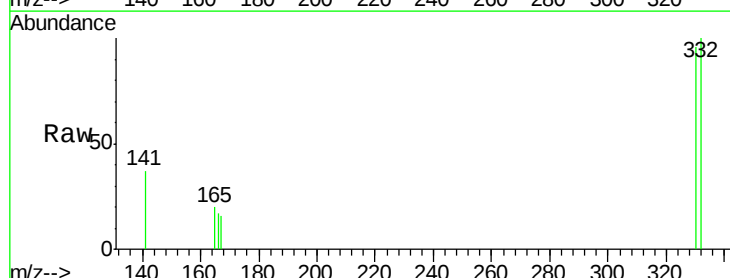
Tgt Ion:330 Resp: 1350

Ion Ratio Lower Upper

330 100

332 94.8 79.1 118.7

141 26.7 125.4 188.0#



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

600

500

400

300

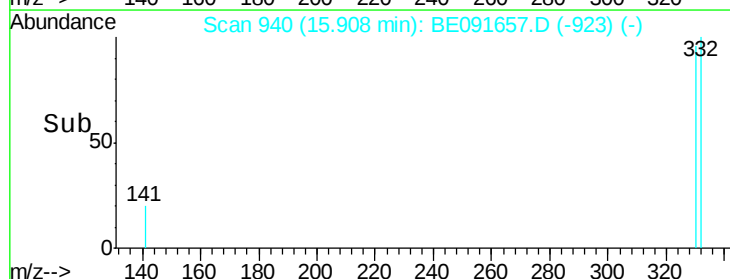
200

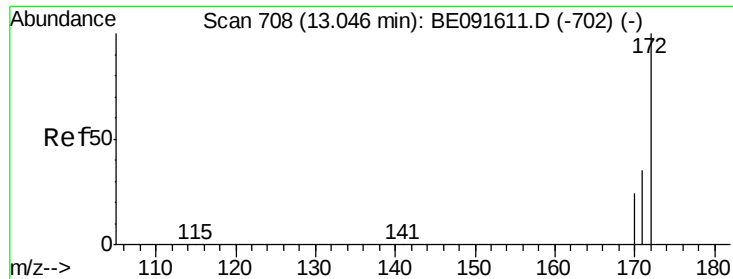
100

0

15.91

Time--> 15.80 15.90 16.00

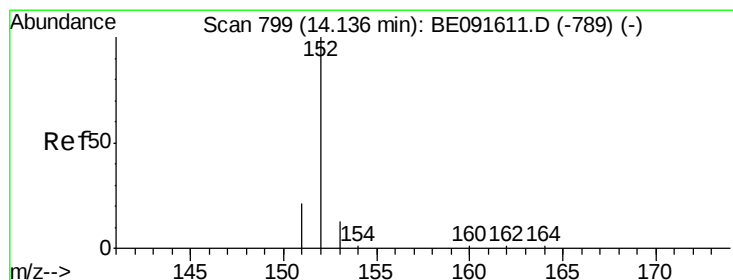
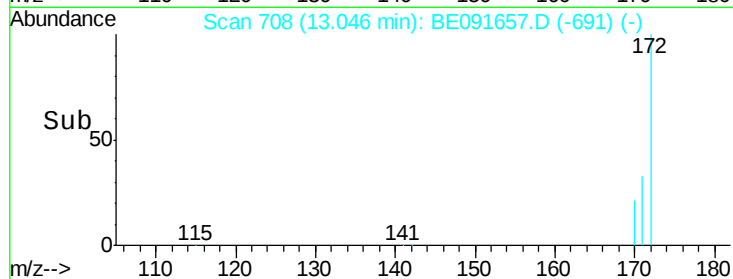
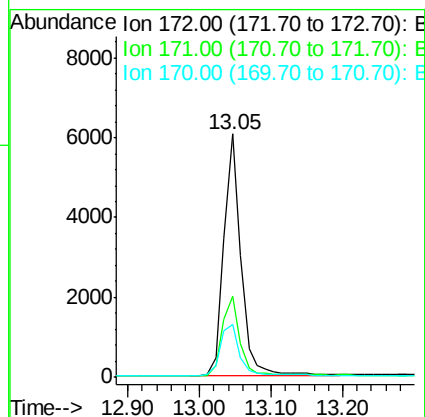
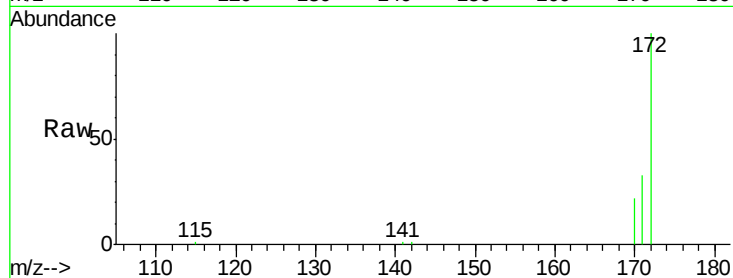




#15  
2-Fluorobiphenyl  
Concen: 0.40 ng  
RT: 13.05 min Scan# 708  
Delta R.T. 0.00 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

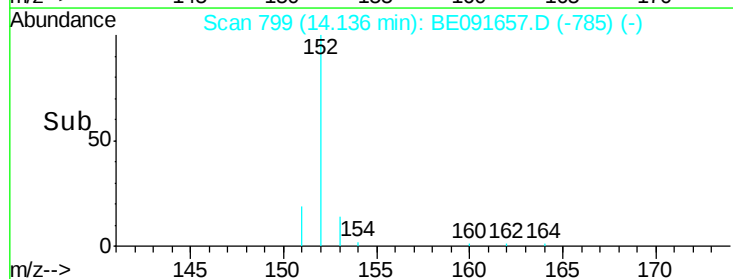
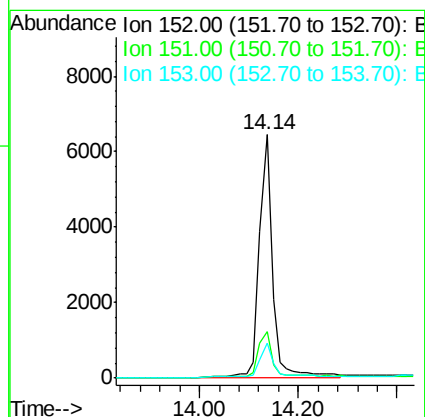
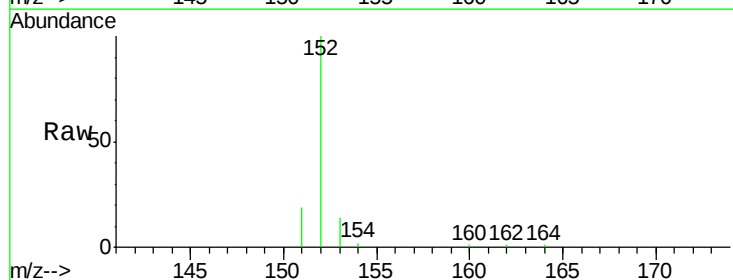
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

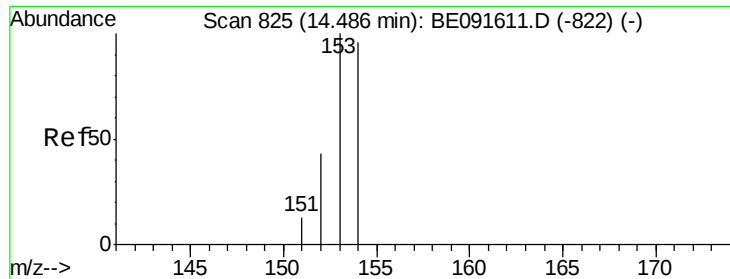
Tgt Ion:172 Resp: 10006  
Ion Ratio Lower Upper  
172 100  
171 33.3 28.8 43.2  
170 21.9 19.3 28.9



#16  
Acenaphthylene  
Concen: 0.38 ng  
RT: 14.14 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

Tgt Ion:152 Resp: 12942  
Ion Ratio Lower Upper  
152 100  
151 17.8 3.9 5.9#  
153 19.1 10.3 15.5#

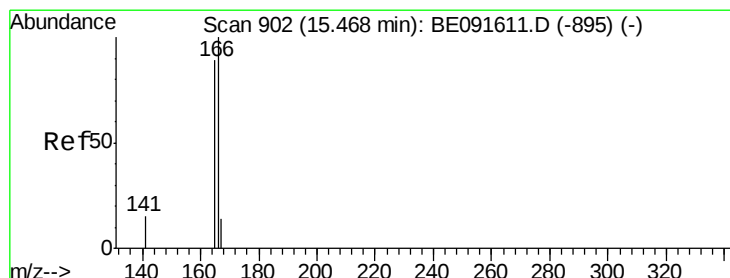
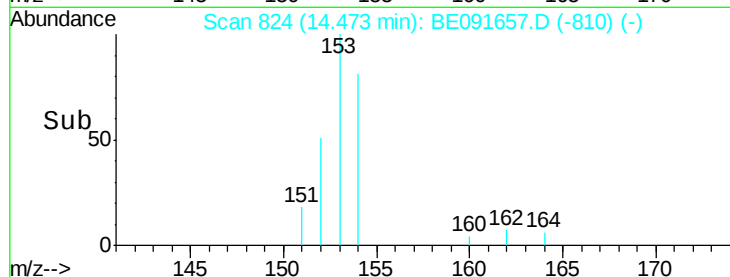
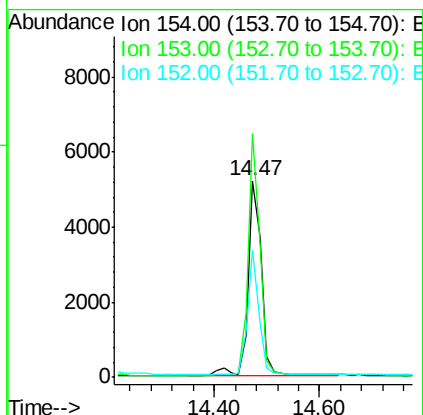
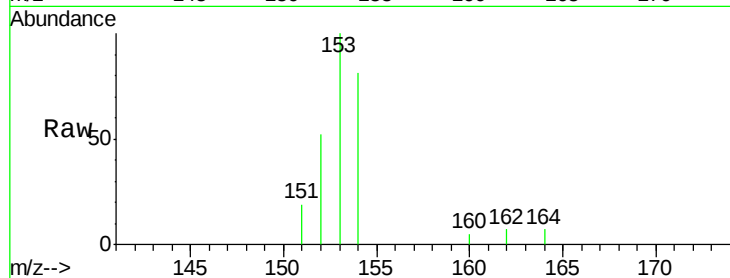




#17  
Acenaphthene  
Concen: 0.41 ng  
RT: 14.47 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

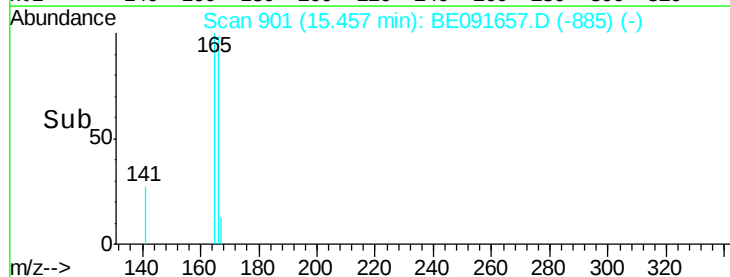
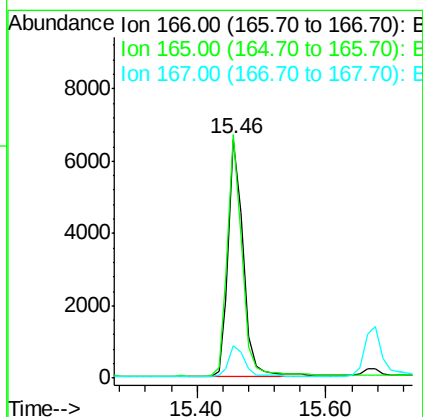
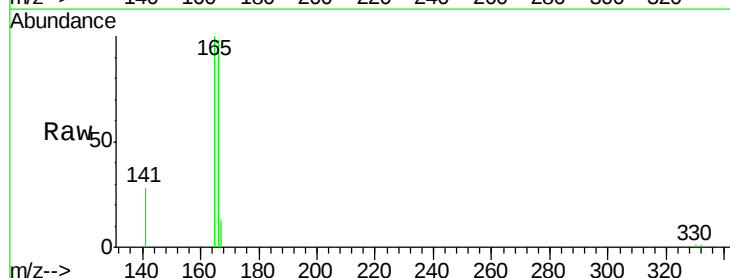
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

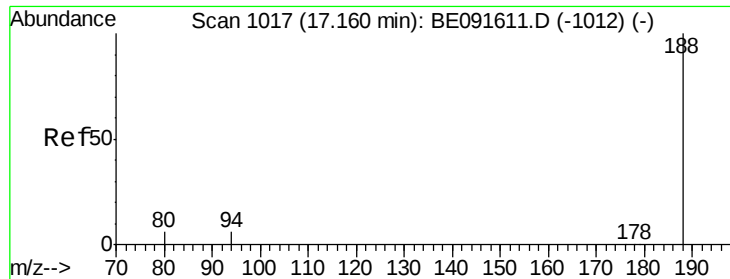
Tgt Ion:154 Resp: 9018  
Ion Ratio Lower Upper  
154 100  
153 110.6 80.0 120.0  
152 54.9 40.0 60.0



#18  
Fluorene  
Concen: 0.39 ng  
RT: 15.46 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

Tgt Ion:166 Resp: 10634  
Ion Ratio Lower Upper  
166 100  
165 98.7 80.8 121.2  
167 13.8 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

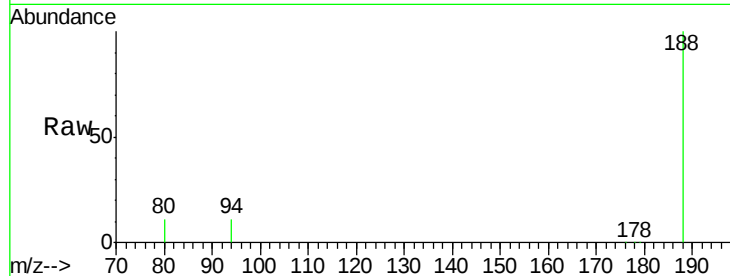
Tgt Ion:188 Resp: 243673

Ion Ratio Lower Upper

188 100

94 10.7 8.7 13.1

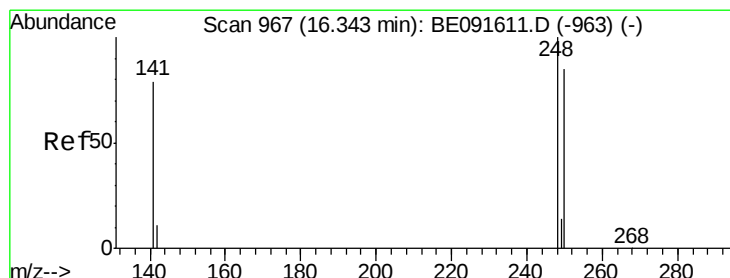
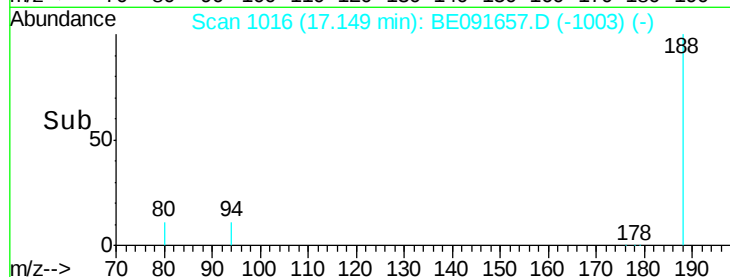
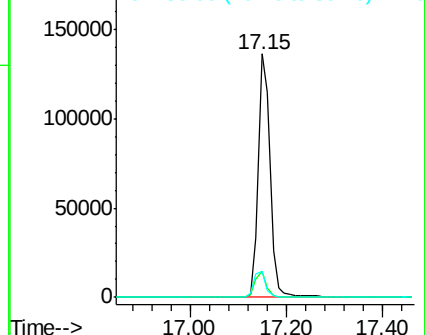
80 10.8 9.4 14.0



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: 0.35 ng

RT: 16.34 min Scan# 967

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

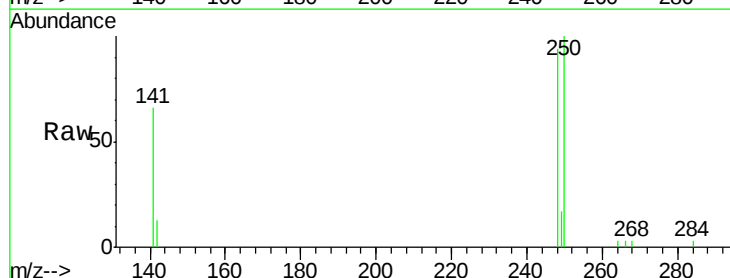
Tgt Ion:248 Resp: 2969

Ion Ratio Lower Upper

248 100

250 98.6 80.5 120.7

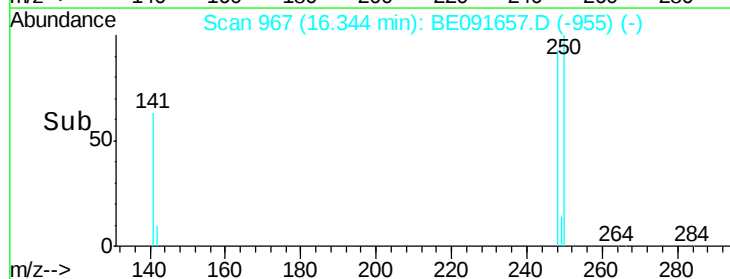
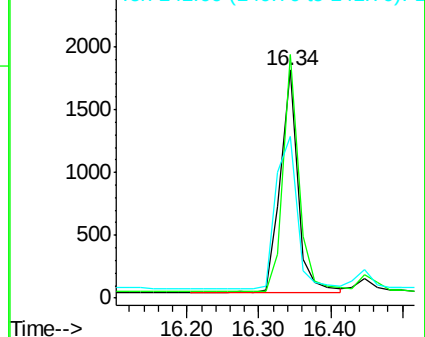
141 85.1 72.0 108.0

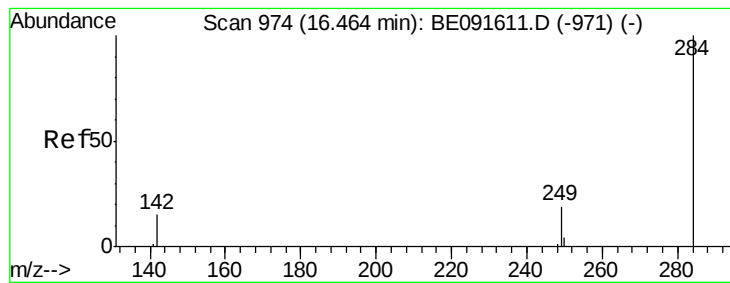


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.37 ng

RT: 16.46 min Scan# 974

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

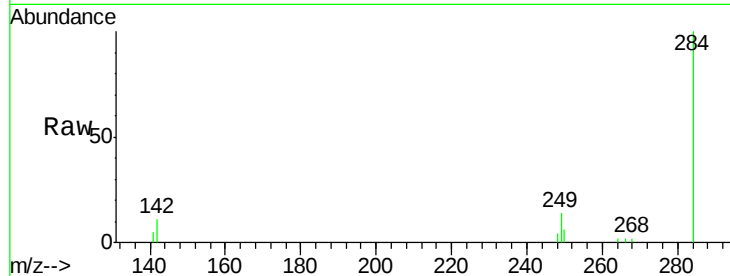
Tgt Ion: 284 Resp: 3285

Ion Ratio Lower Upper

284 100

142 42.6 32.2 48.2

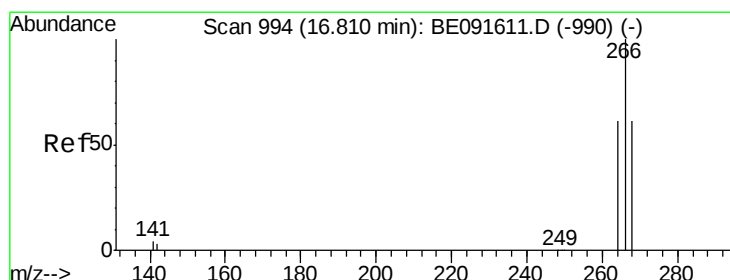
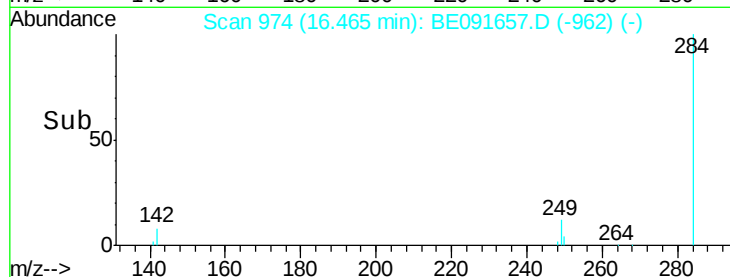
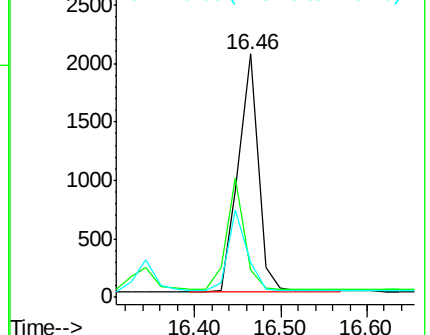
249 32.3 25.4 38.2



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



#22

Pentachlorophenol

Concen: 0.39 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

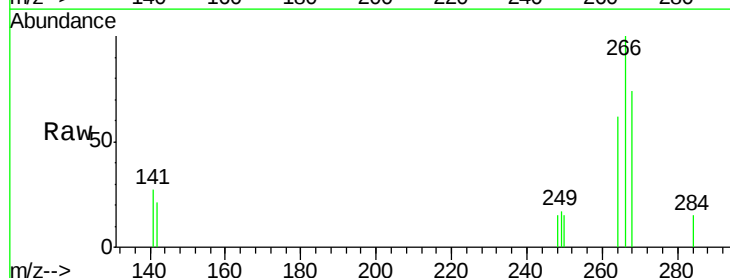
Tgt Ion: 266 Resp: 776

Ion Ratio Lower Upper

266 100

268 74.3 58.2 87.2

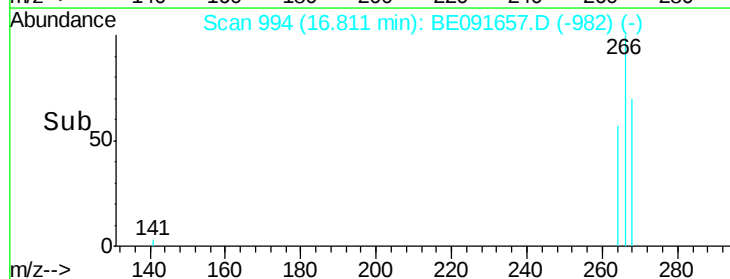
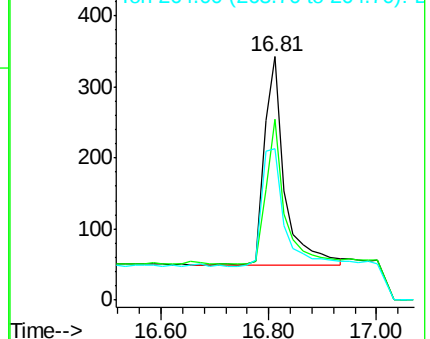
264 62.3 56.2 84.4

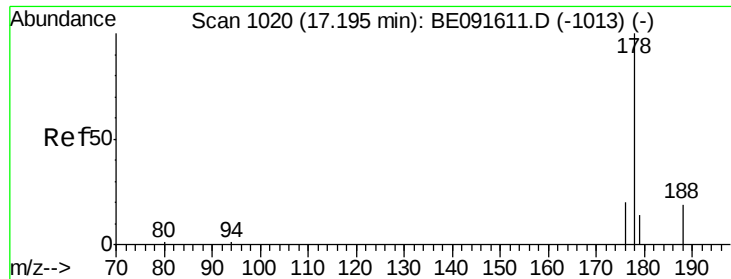


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.37 ng

RT: 17.20 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

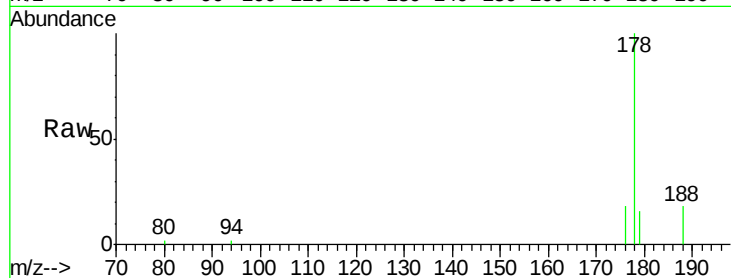
Tgt Ion:178 Resp: 20737

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

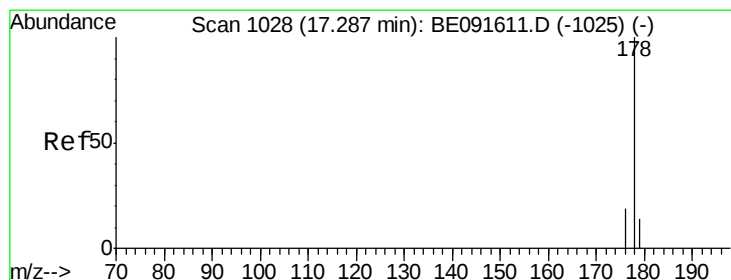
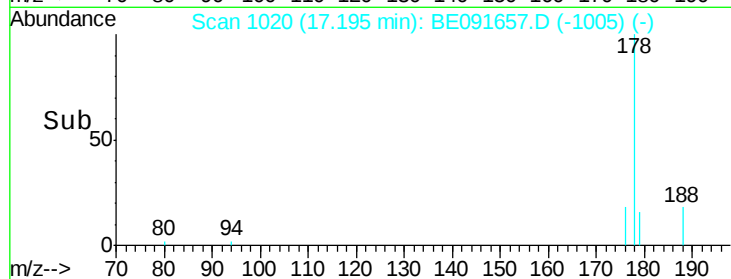
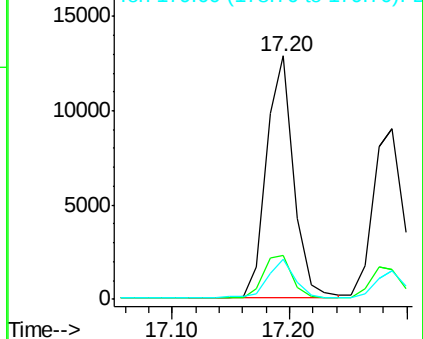
179 16.3 12.6 18.8



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: 0.35 ng

RT: 17.29 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

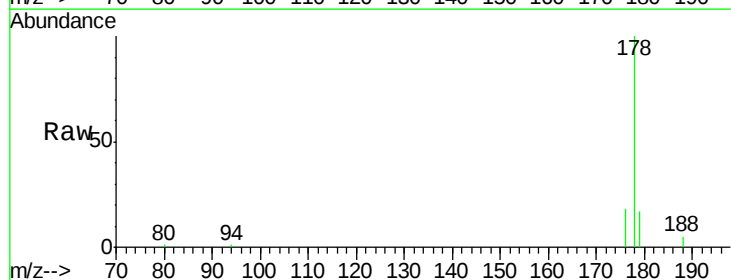
Tgt Ion:178 Resp: 17035

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

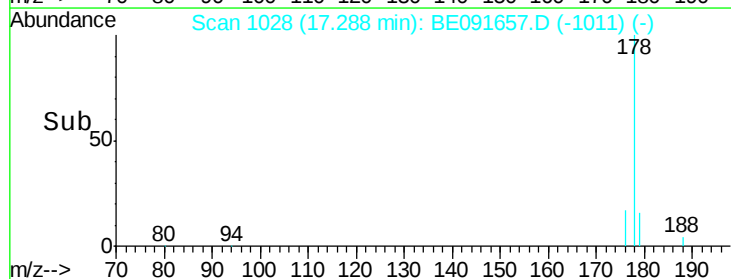
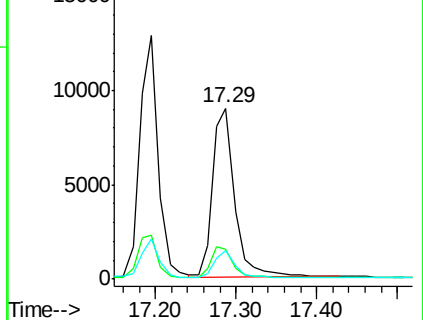
179 14.9 11.8 17.6

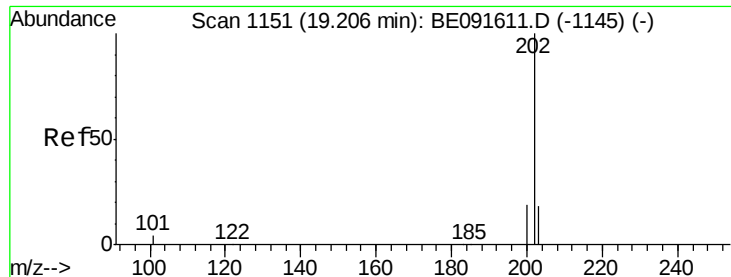


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

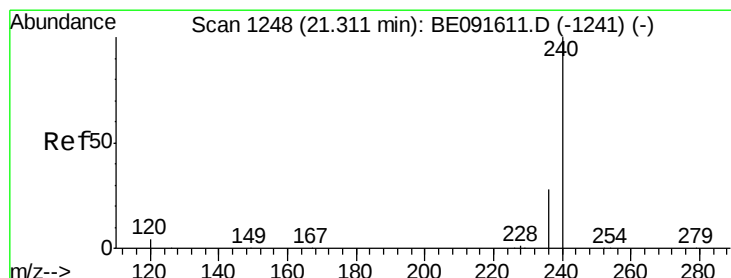
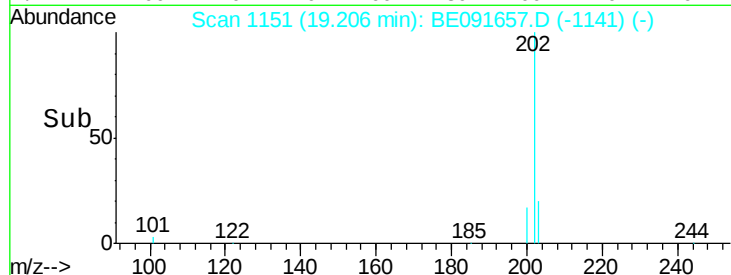
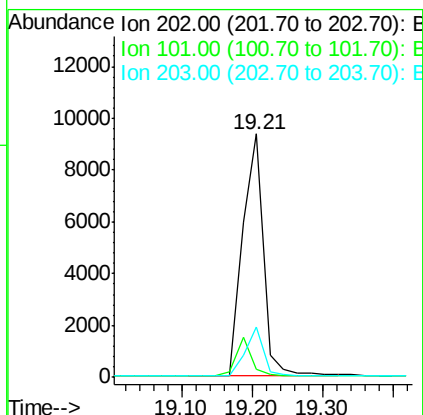
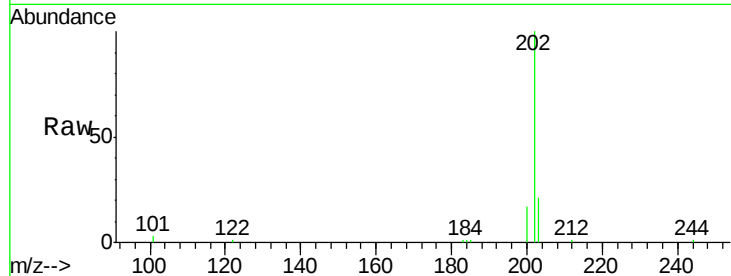




#25  
Fluoranthene  
Concen: 0.33 ng  
RT: 19.21 min Scan# 1151  
Delta R.T. 0.00 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

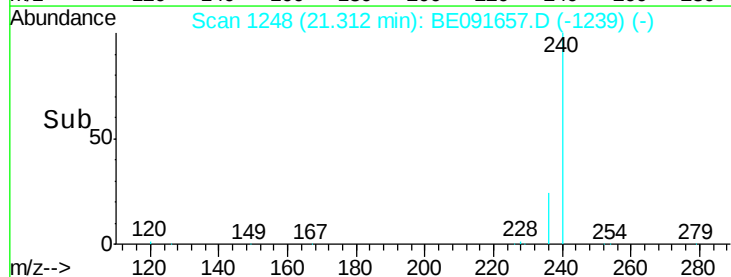
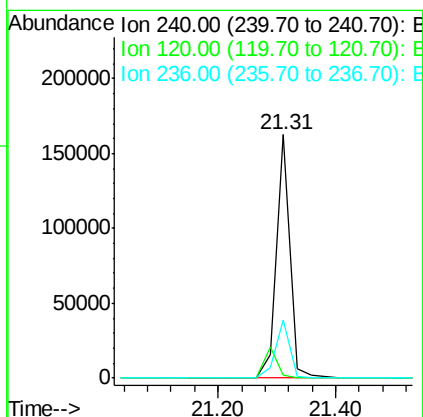
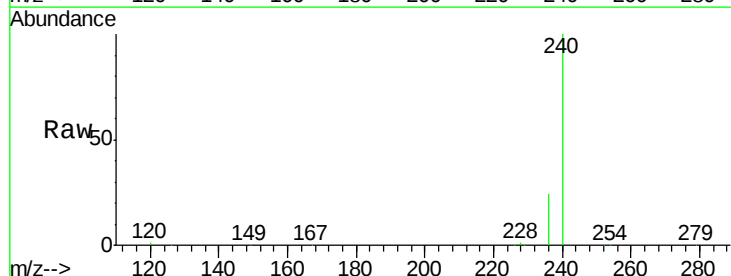
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

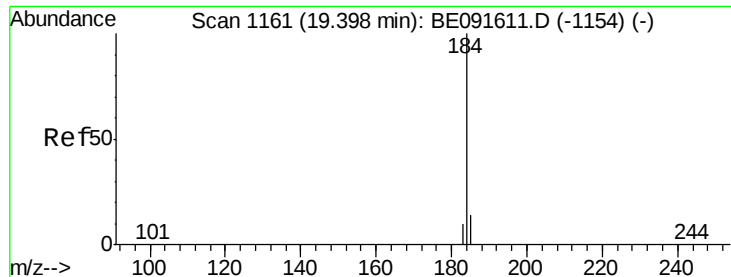
Tgt Ion: 202 Resp: 19233  
Ion Ratio Lower Upper  
202 100  
101 11.8 11.0 16.6  
203 18.0 13.9 20.9



#26  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.31 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: BE091657.D  
Acq: 13 Apr 2016 14:59

Tgt Ion: 240 Resp: 258941  
Ion Ratio Lower Upper  
240 100  
120 1.5 11.0 16.4#  
236 23.6 21.7 32.5





#27

Benzidine

Concen: 0.48 ng

RT: 19.40 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

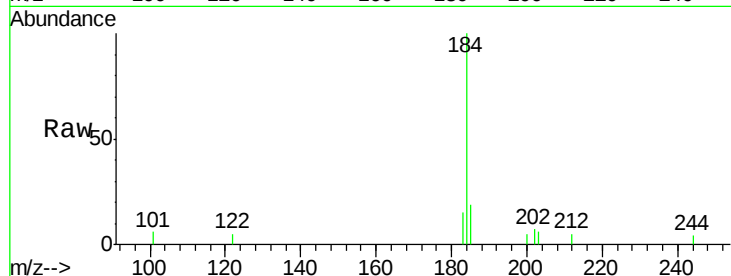
Tgt Ion:184 Resp: 4112

Ion Ratio Lower Upper

184 100

185 19.1 22.3 33.5#

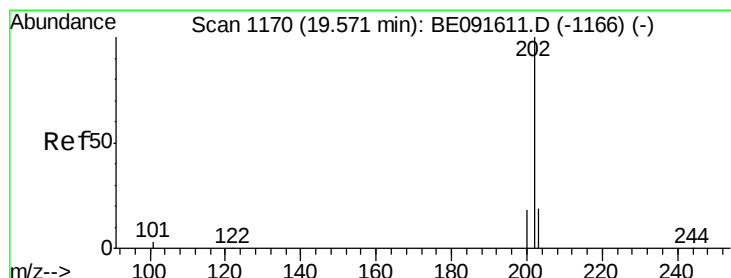
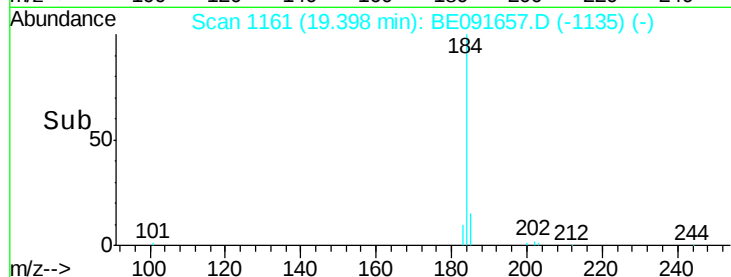
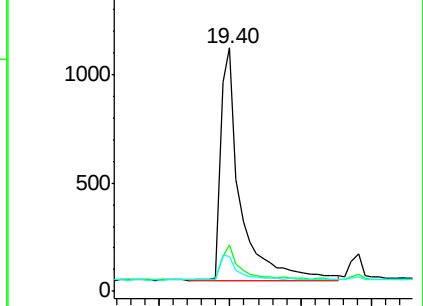
183 14.5 16.4 24.6#



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: 0.40 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

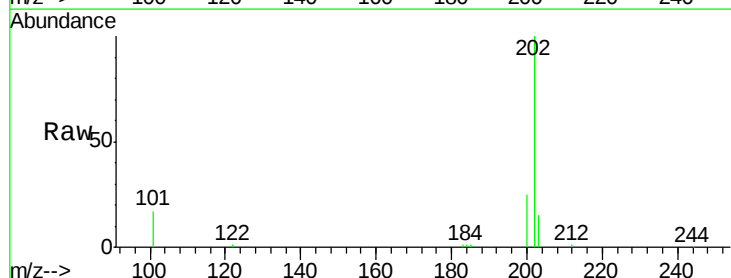
Tgt Ion:202 Resp: 20747

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

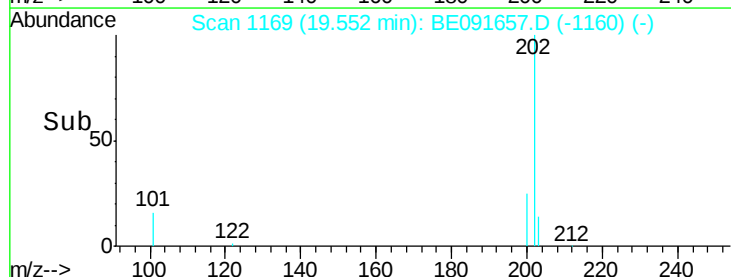
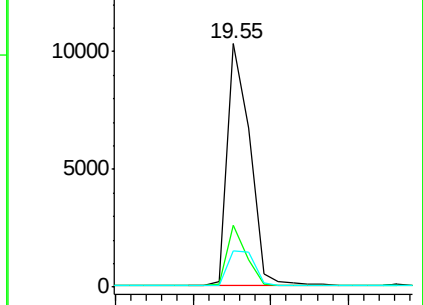
203 17.3 14.0 21.0

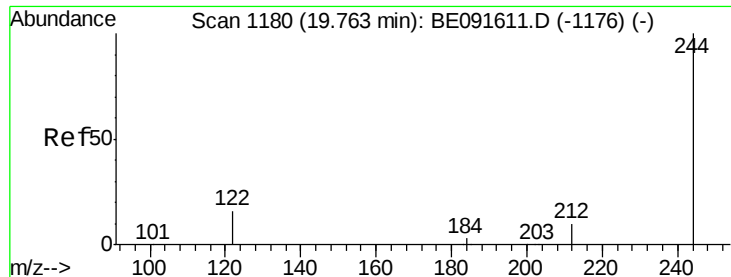


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.45 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

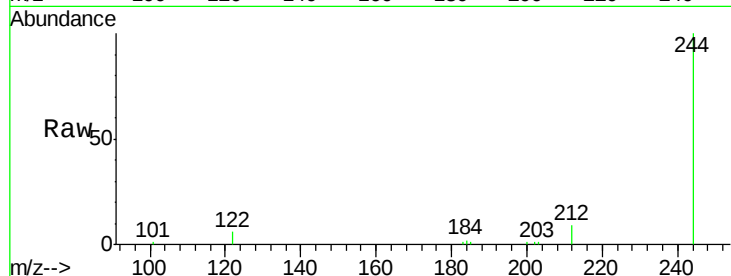
Tgt Ion:244 Resp: 14558

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

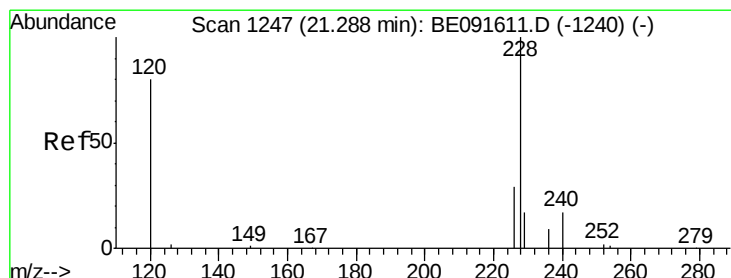
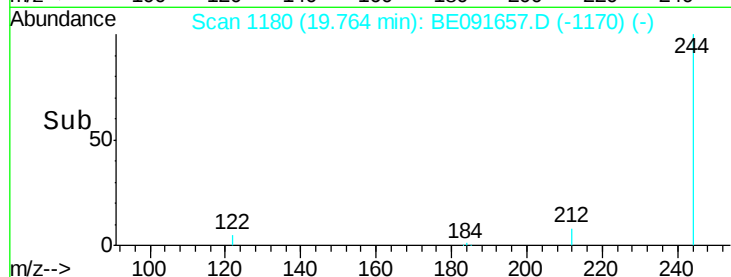
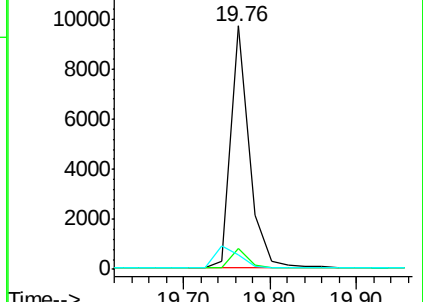
122 5.7 11.0 16.4#



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: 0.84 ng

RT: 21.33 min Scan# 1249

Delta R.T. 0.05 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

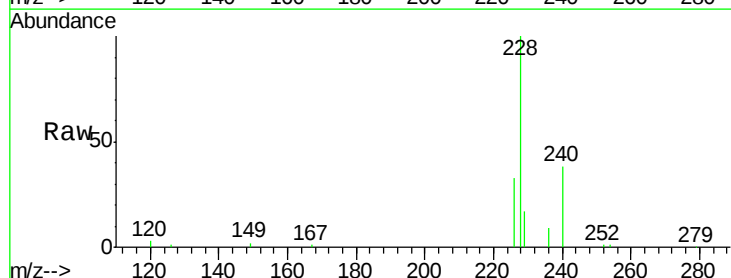
Tgt Ion:228 Resp: 48841

Ion Ratio Lower Upper

228 100

226 33.4 21.0 31.4#

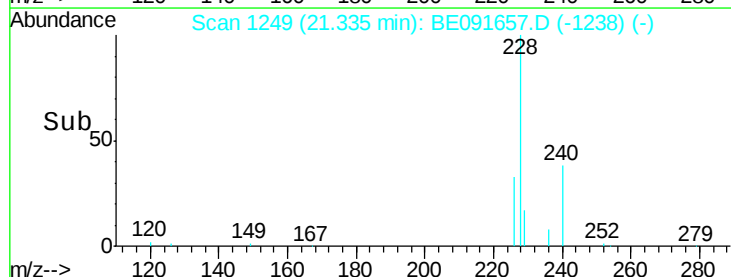
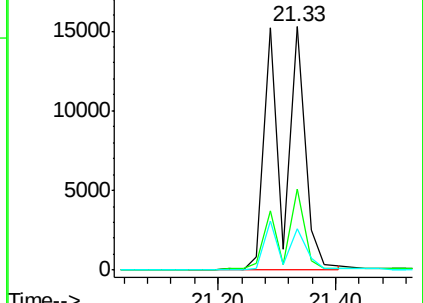
229 17.2 15.7 23.5

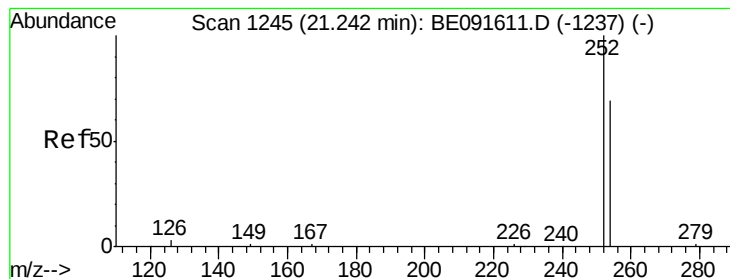


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.35 ng

RT: 21.24 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

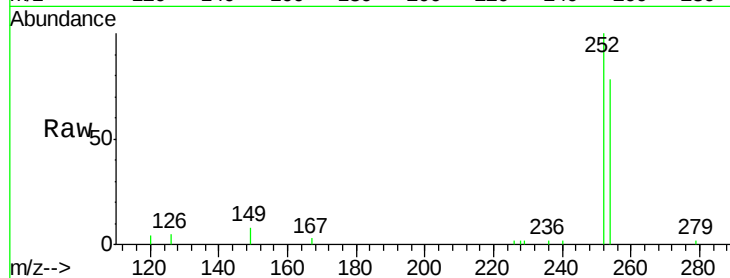
Tgt Ion:252 Resp: 8206

Ion Ratio Lower Upper

252 100

254 77.8 51.1 76.7#

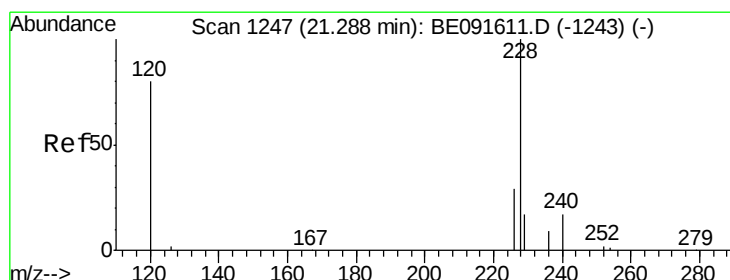
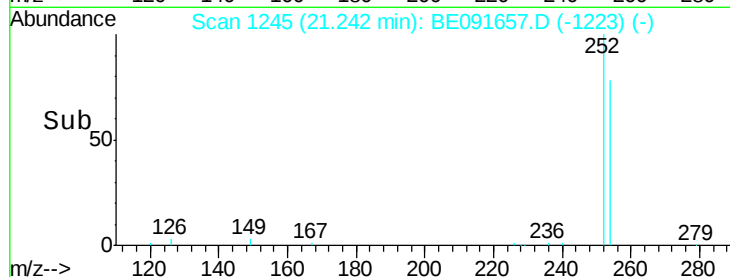
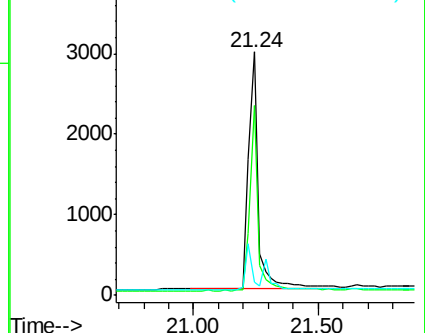
126 5.4 12.6 18.8#



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: 0.94 ng

RT: 21.33 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

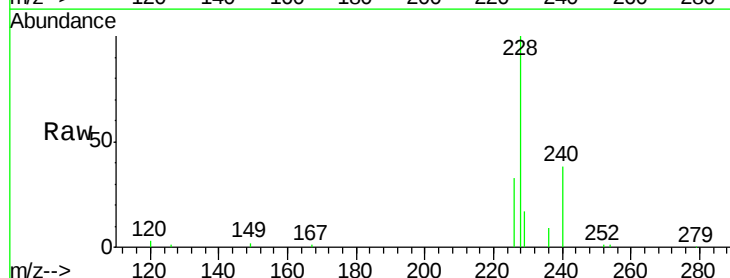
Tgt Ion:228 Resp: 49218

Ion Ratio Lower Upper

228 100

226 33.4 24.0 36.0

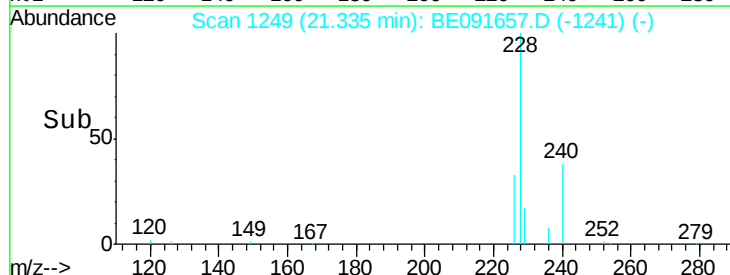
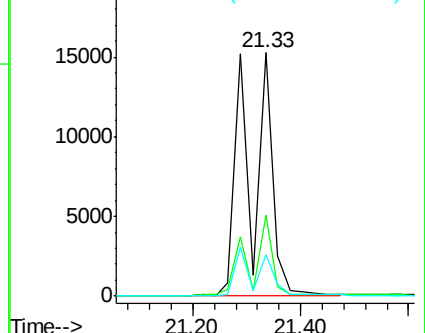
229 17.2 15.9 23.9

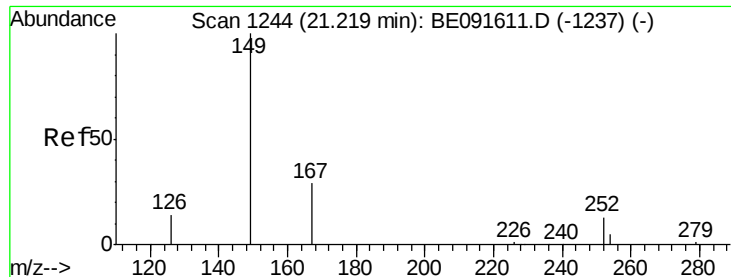


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

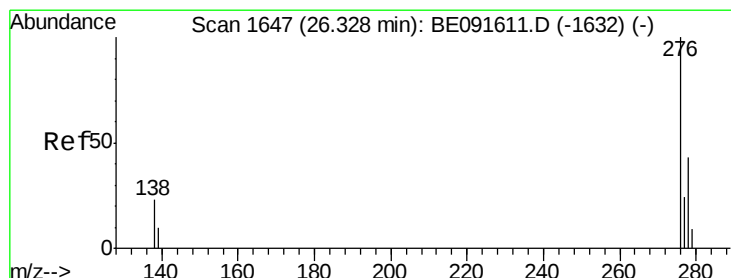
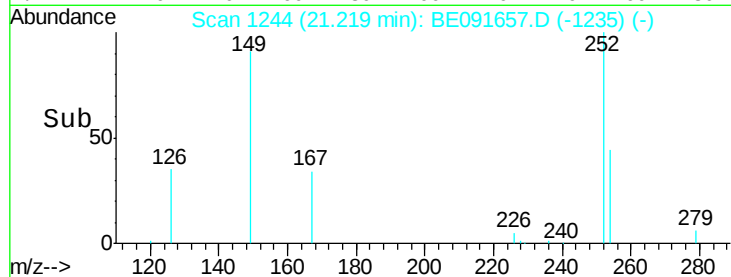
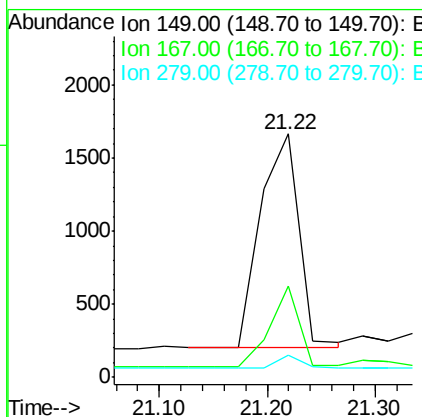
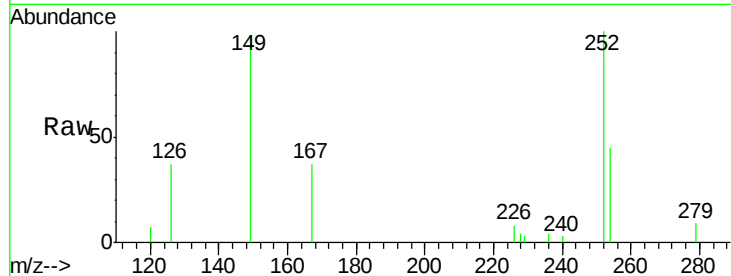




#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.34 ng  
 RT: 21.22 min Scan# 1244  
 Delta R.T. 0.00 min  
 Lab File: BE091657.D  
 Acq: 13 Apr 2016 14:59

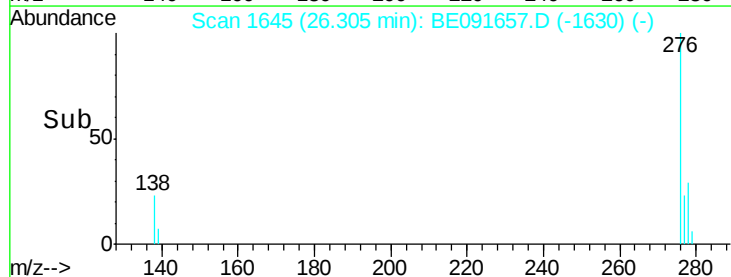
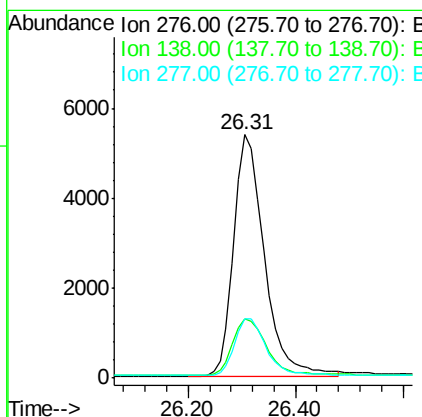
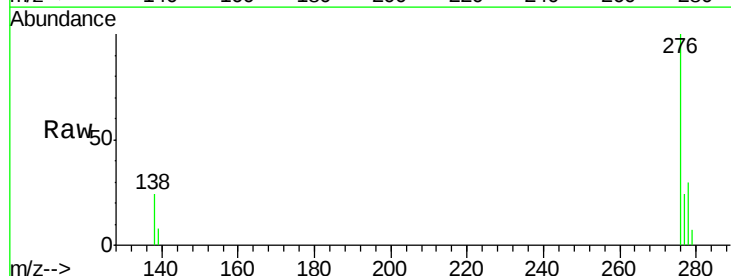
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

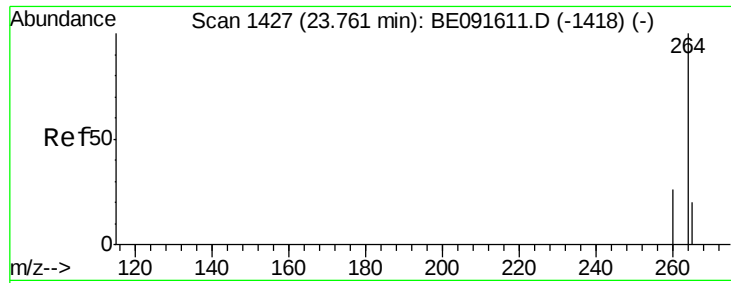
Tgt Ion:149 Resp: 3659  
 Ion Ratio Lower Upper  
 149 100  
 167 28.8 19.5 29.3  
 279 4.2 10.0 15.0#



#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.36 ng  
 RT: 26.31 min Scan# 1645  
 Delta R.T. -0.02 min  
 Lab File: BE091657.D  
 Acq: 13 Apr 2016 14:59

Tgt Ion:276 Resp: 21185  
 Ion Ratio Lower Upper  
 276 100  
 138 25.9 23.4 35.2  
 277 24.6 19.8 29.8

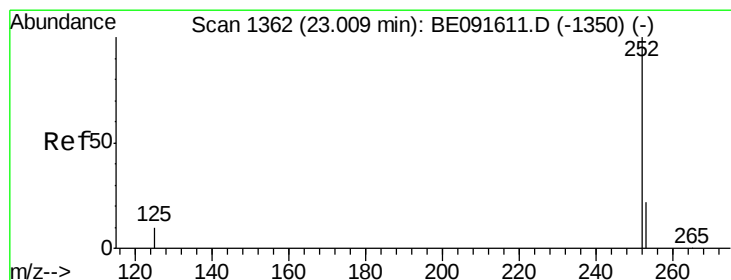
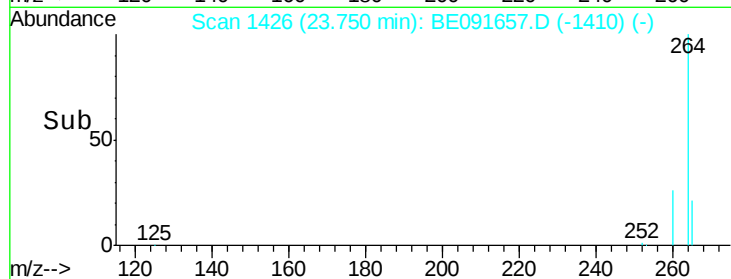
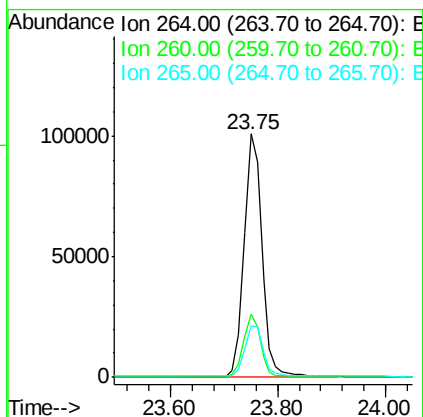
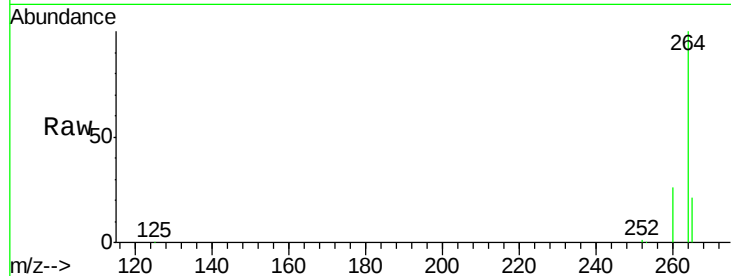




#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.75 min Scan# 1426  
 Delta R.T. -0.01 min  
 Lab File: BE091657.D  
 Acq: 13 Apr 2016 14:59

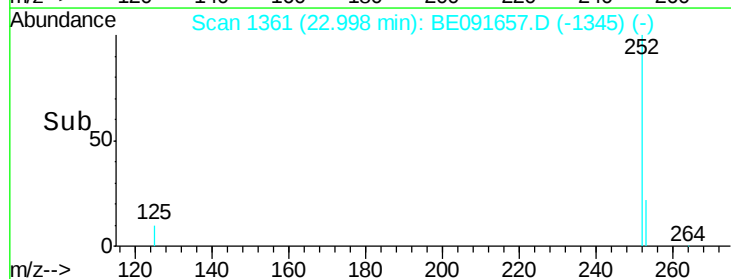
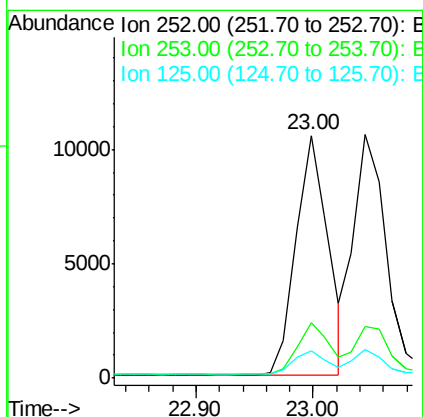
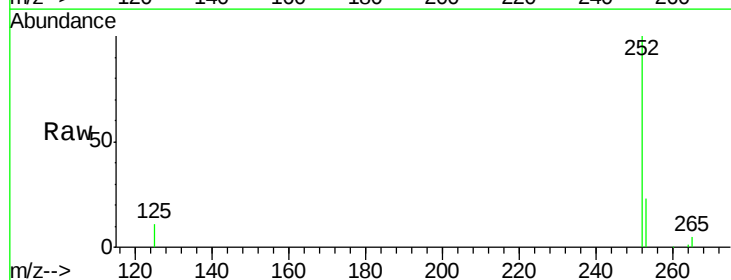
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

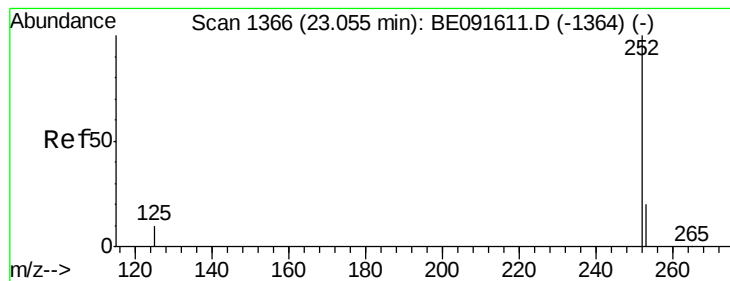
Tgt Ion: 264 Resp: 233410  
 Ion Ratio Lower Upper  
 264 100  
 260 25.8 20.0 30.0  
 265 21.3 17.5 26.3



#36  
 Benzo(b)fluoranthene  
 Concen: 0.37 ng  
 RT: 23.00 min Scan# 1361  
 Delta R.T. -0.01 min  
 Lab File: BE091657.D  
 Acq: 13 Apr 2016 14:59

Tgt Ion: 252 Resp: 20024  
 Ion Ratio Lower Upper  
 252 100  
 253 22.9 17.4 26.0  
 125 11.1 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.38 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

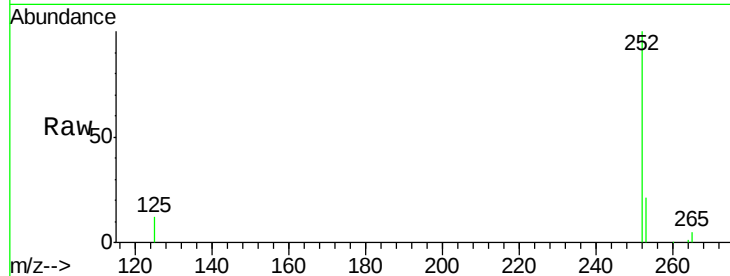
Tgt Ion:252 Resp: 20507

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

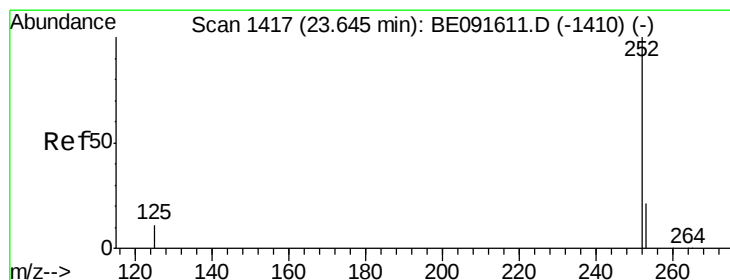
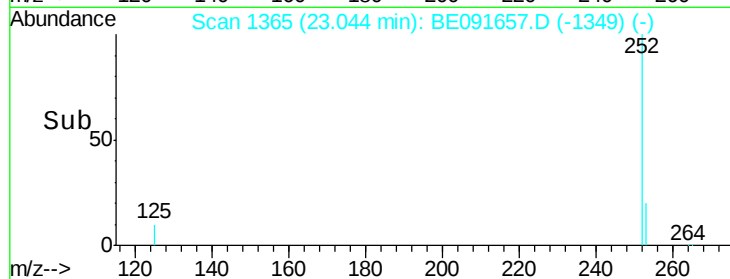
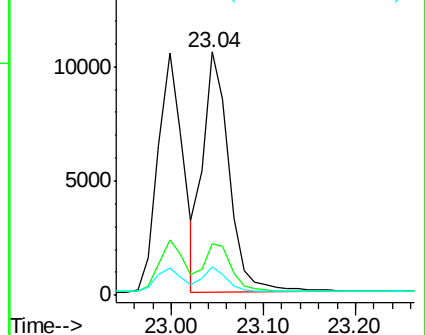
125 11.5 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 0.35 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

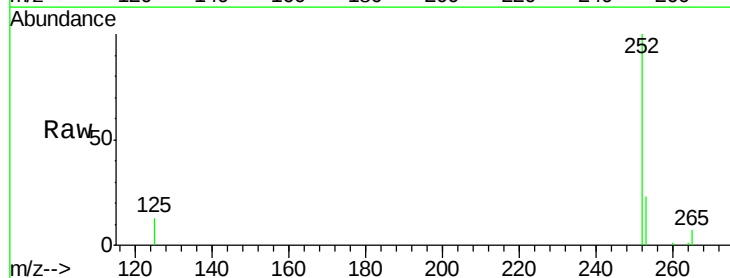
Tgt Ion:252 Resp: 17530

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

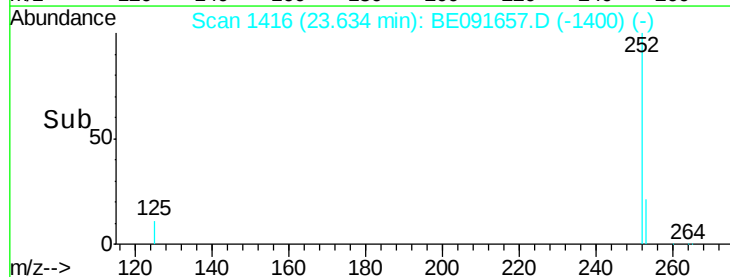
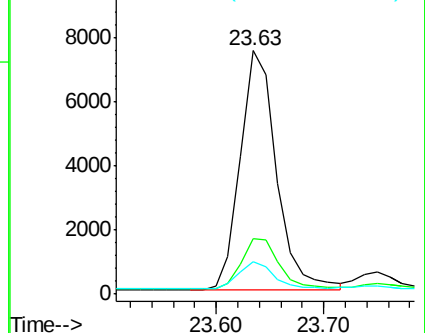
125 13.2 11.0 16.4

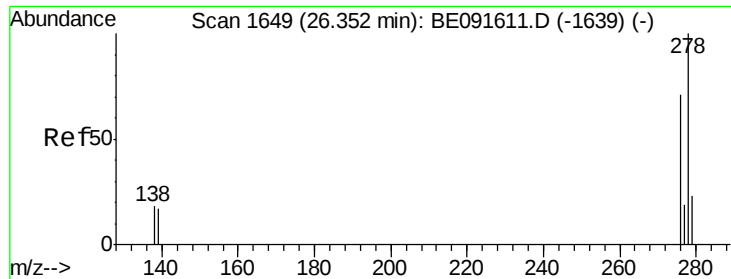


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.35 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

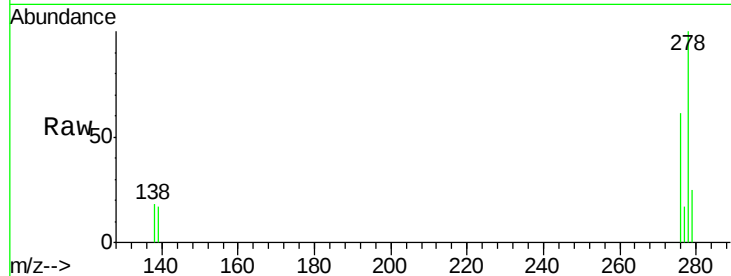
Tgt Ion: 278 Resp: 17348

Ion Ratio Lower Upper

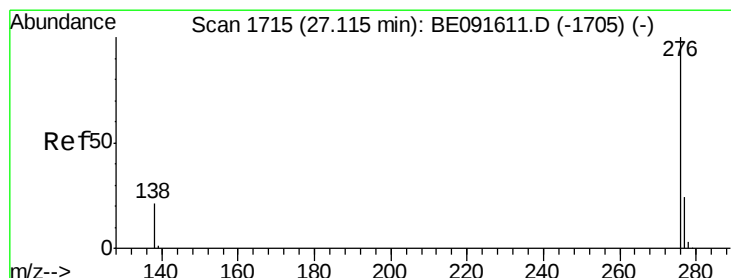
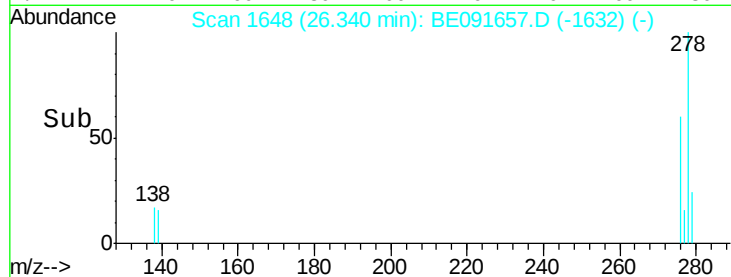
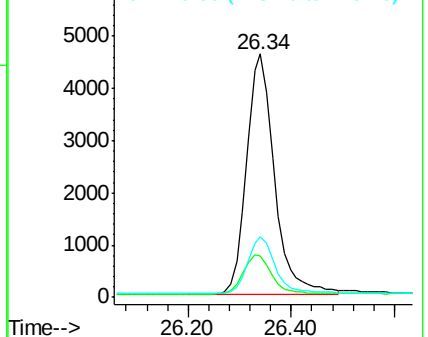
278 100

139 17.1 16.0 24.0

279 24.9 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: 0.36 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BE091657.D

Acq: 13 Apr 2016 14:59

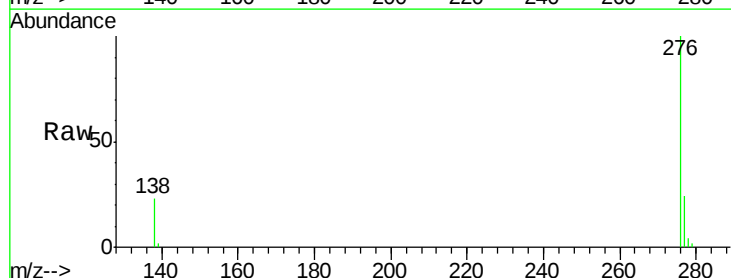
Tgt Ion: 276 Resp: 18580

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 22.8 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

