

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080916\  
 Data File : BE092234.D  
 Acq On : 9 Aug 2016 18:06  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Aug 10 04:43:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 10 04:43:27 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 12567    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.97 | 136  | 59091    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.83 | 164  | 33944    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.56 | 188  | 78919    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 75808    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.13 | 264  | 78279    | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |      |      |    |       |
|--------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol        | 5.69  | 112 | 1043 | 0.38 | ng | -0.01 |
| 5) Phenol-d6             | 7.34  | 99  | 1406 | 0.36 | ng | -0.02 |
| 8) Nitrobenzene-d5       | 9.34  | 82  | 1556 | 0.37 | ng | -0.02 |
| 13) 2,4,6-Tribromophenol | 16.33 | 330 | 337  | 0.33 | ng | 0.00  |
| 14) 2-Fluorobiphenyl     | 13.46 | 172 | 4205 | 0.40 | ng | -0.01 |
| 26) Terphenyl-d14        | 20.19 | 244 | 4972 | 0.39 | ng | 0.00  |

## Target Compounds

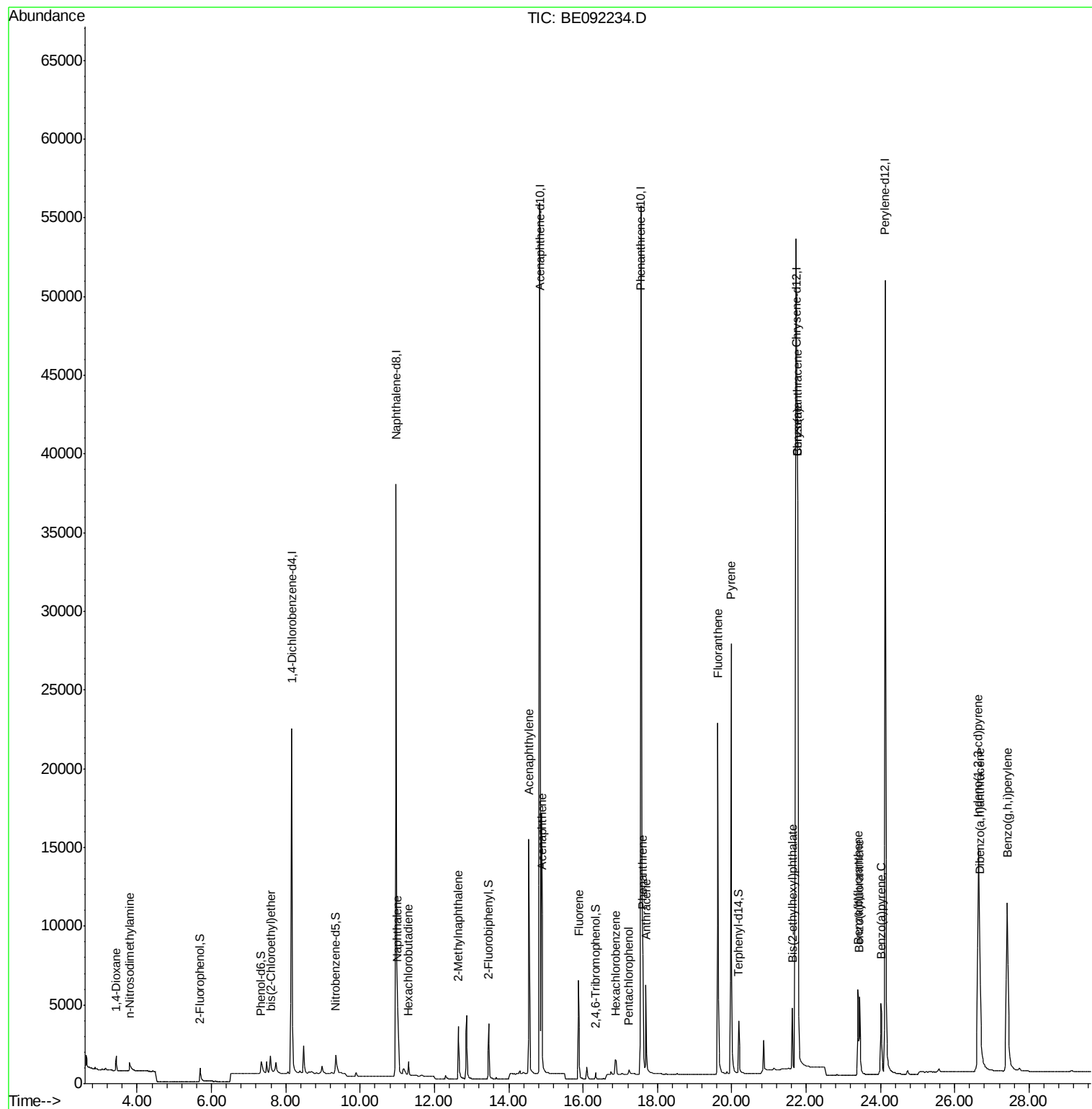
|                                |       |     |       |      |    | Qvalue |
|--------------------------------|-------|-----|-------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 669   | 0.42 | ng | 97     |
| 3) n-Nitrosodimethylamine      | 3.80  | 42  | 800   | 0.41 | ng | # 98   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 1299  | 0.41 | ng | 93     |
| 9) Naphthalene                 | 11.01 | 128 | 5404  | 0.41 | ng | 95     |
| 10) Hexachlorobutadiene        | 11.30 | 225 | 781   | 0.41 | ng | 97     |
| 11) 2-Methylnaphthalene        | 12.65 | 142 | 3336  | 0.40 | ng | 98     |
| 15) Acenaphthylene             | 14.54 | 152 | 22727 | 0.39 | ng | 99     |
| 16) Acenaphthene               | 14.90 | 154 | 3759  | 0.40 | ng | 99     |
| 17) Fluorene                   | 15.88 | 166 | 4499  | 0.40 | ng | 99     |
| 19) Hexachlorobenzene          | 16.89 | 284 | 1342  | 0.43 | ng | # 100  |
| 20) Pentachlorophenol          | 17.24 | 266 | 271   | 0.33 | ng | 92     |
| 21) Phenanthrene               | 17.60 | 178 | 8291  | 0.41 | ng | 100    |
| 22) Anthracene                 | 17.70 | 178 | 7509  | 0.41 | ng | 100    |
| 23) Fluoranthene               | 19.63 | 202 | 32189 | 0.40 | ng | 99     |
| 25) Pyrene                     | 19.99 | 202 | 34964 | 0.39 | ng | 99     |
| 27) Benzo(a)anthracene         | 21.77 | 228 | 66594 | 0.73 | ng | # 88   |
| 28) Chrysene                   | 21.77 | 228 | 67042 | 0.80 | ng | 96     |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 4371  | 0.37 | ng | # 100  |
| 30) Indeno(1,2,3-cd)pyrene     | 26.63 | 276 | 34990 | 0.39 | ng | 99     |
| 32) Benzo(b)fluoranthene       | 23.39 | 252 | 7862  | 0.38 | ng | 98     |
| 33) Benzo(k)fluoranthene       | 23.44 | 252 | 8676  | 0.41 | ng | 98     |
| 34) Benzo(a)pyrene             | 24.02 | 252 | 7772  | 0.40 | ng | 96     |
| 35) Dibenzo(a,h)anthracene     | 26.67 | 278 | 6945  | 0.39 | ng | 97     |
| 36) Benzo(g,h,i)perylene       | 27.42 | 276 | 30061 | 0.39 | ng | 98     |

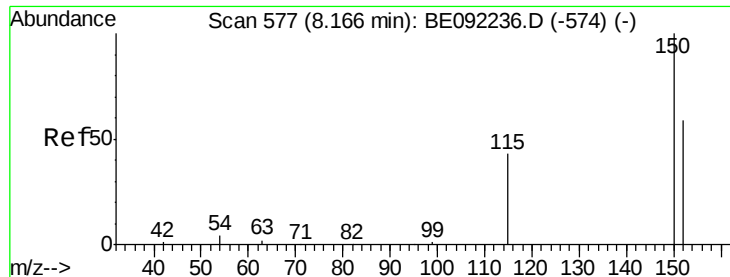
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 10 04:43:27 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

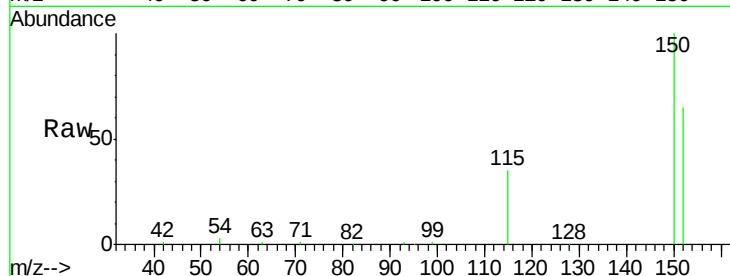
Tgt Ion:152 Resp: 12567

Ion Ratio Lower Upper

152 100

150 153.2 135.6 203.4

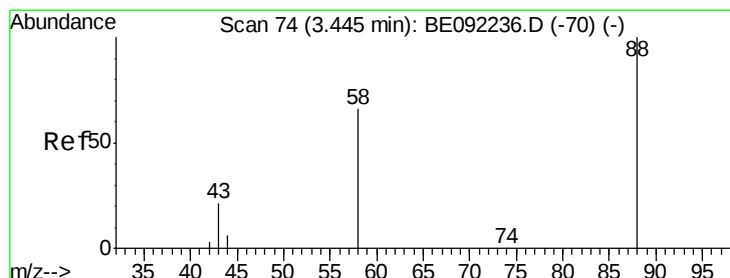
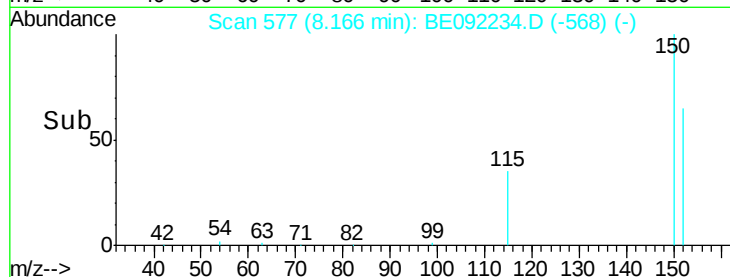
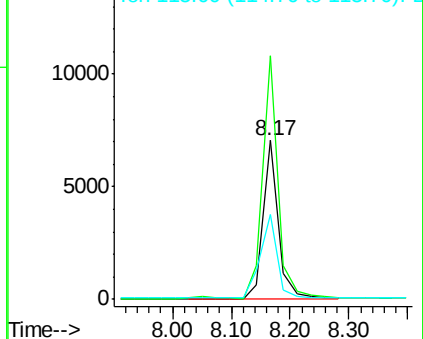
115 53.8 59.4 89.0#



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: 0.42 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

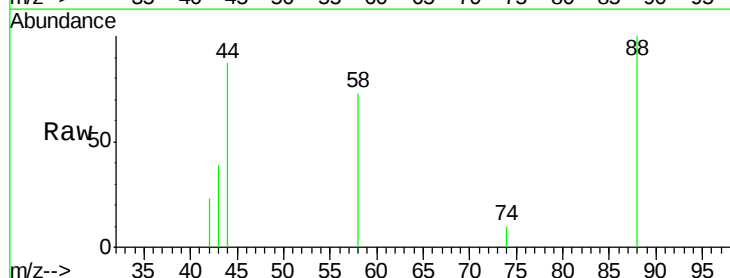
Tgt Ion: 88 Resp: 669

Ion Ratio Lower Upper

88 100

58 78.3 64.4 96.6

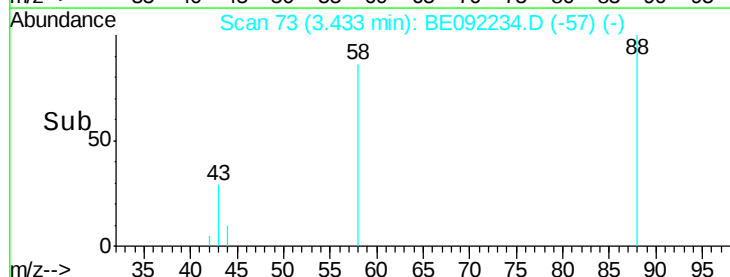
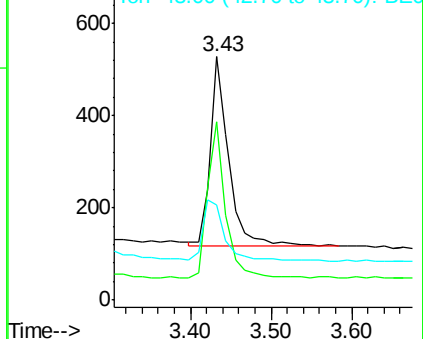
43 38.7 33.4 50.2

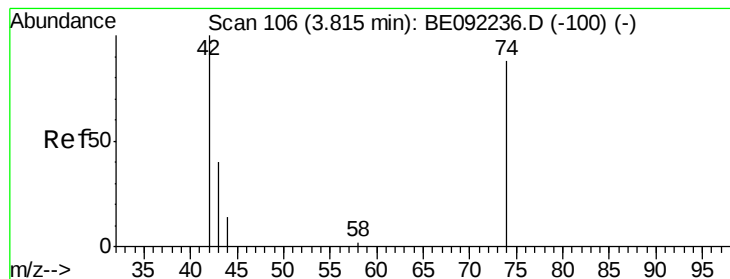


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.41 ng

RT: 3.80 min Scan# 105

Delta R.T. -0.01 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

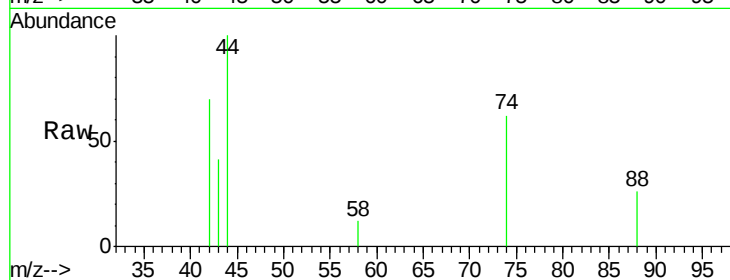
Tgt Ion: 42 Resp: 800

Ion Ratio Lower Upper

42 100

74 97.6 77.2 115.8

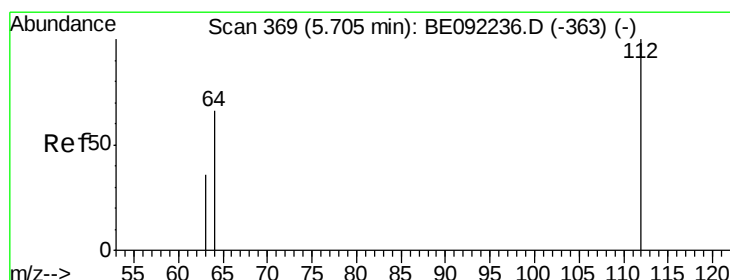
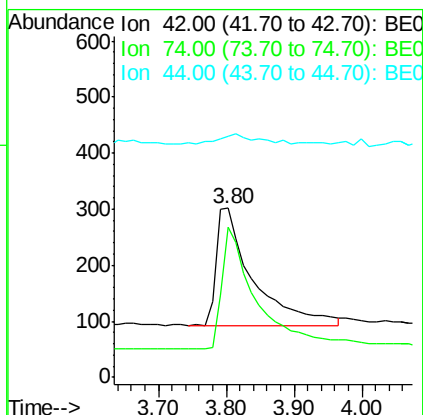
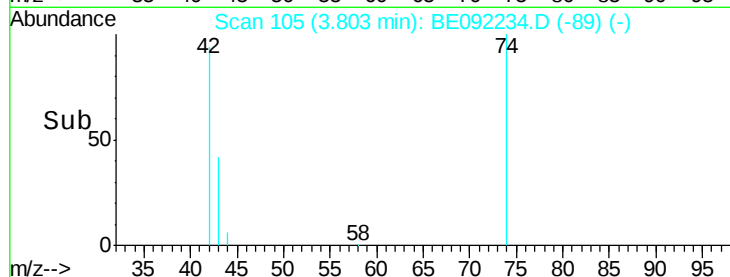
44 8.9 5.0 7.4#



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: 0.38 ng

RT: 5.69 min Scan# 367

Delta R.T. -0.01 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

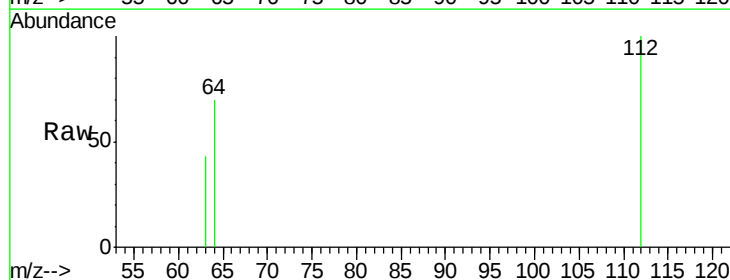
Tgt Ion: 112 Resp: 1043

Ion Ratio Lower Upper

112 100

64 68.0 53.2 79.8

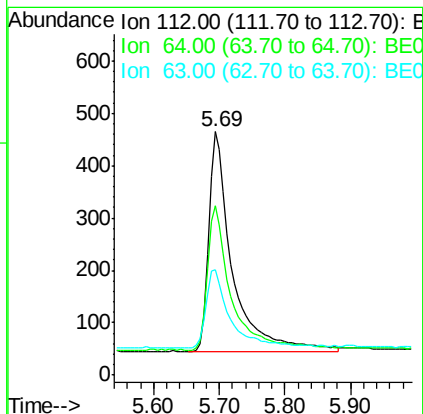
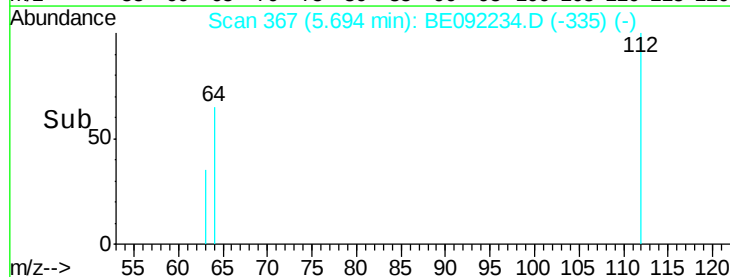
63 35.9 27.4 41.2

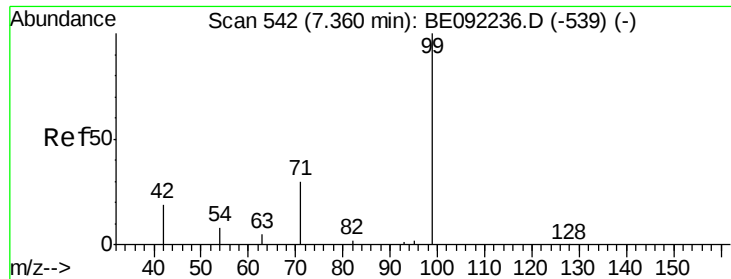


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.36 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

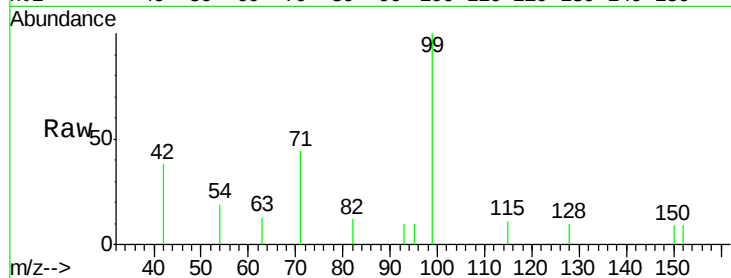
Tgt Ion: 99 Resp: 1406

Ion Ratio Lower Upper

99 100

42 24.6 0.0 0.0#

71 34.0 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.34

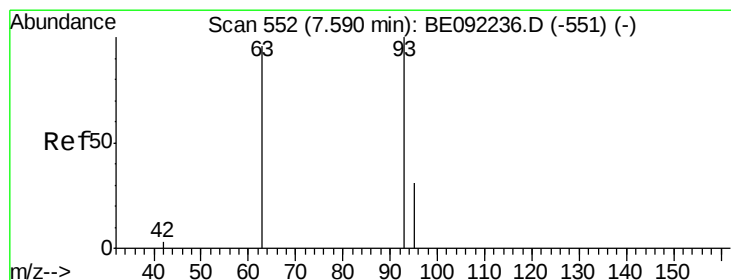
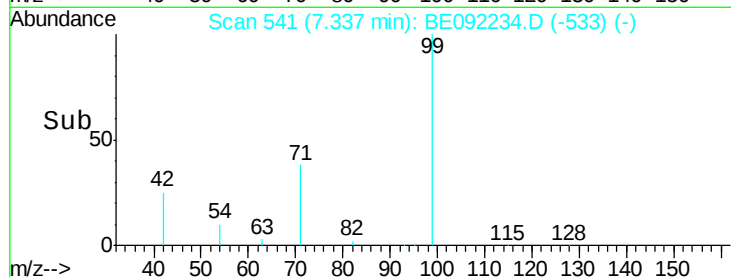
400

200

0

7.20 7.30 7.40 7.50

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.41 ng

RT: 7.59 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

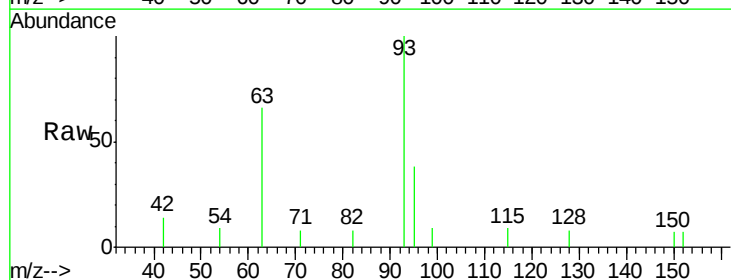
Tgt Ion: 93 Resp: 1299

Ion Ratio Lower Upper

93 100

63 77.1 68.5 102.7

95 34.3 27.2 40.8



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

7.59

800

600

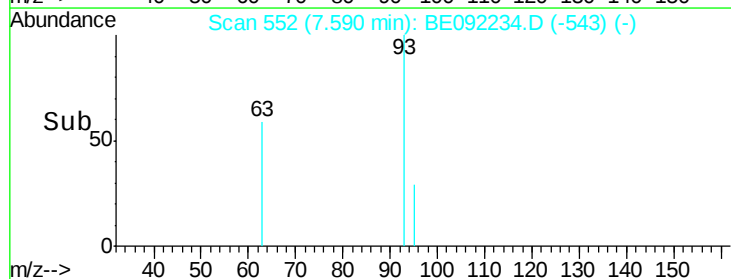
400

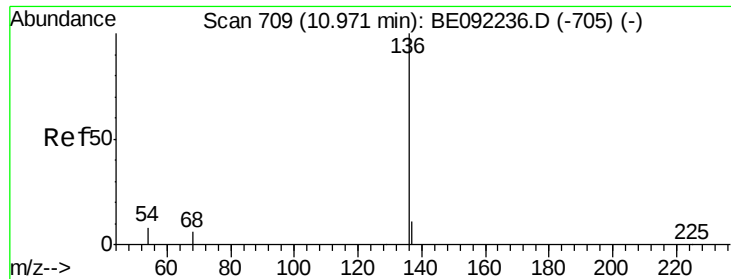
200

0

7.50 7.60 7.70

Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 59091

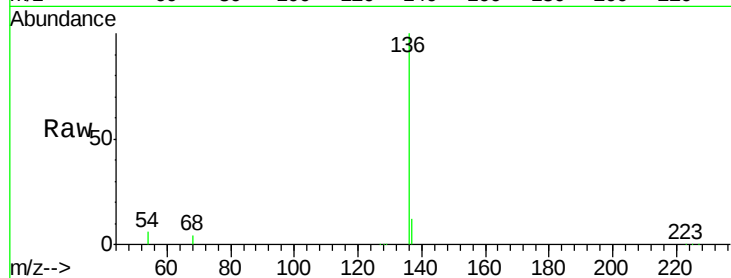
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 5.8 6.2 9.4#

68 4.4 4.6 6.8#

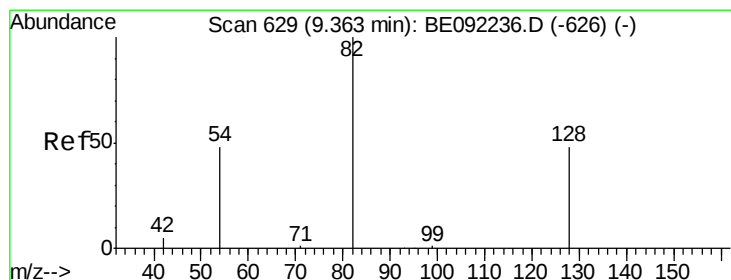
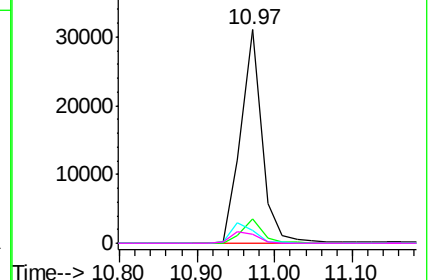
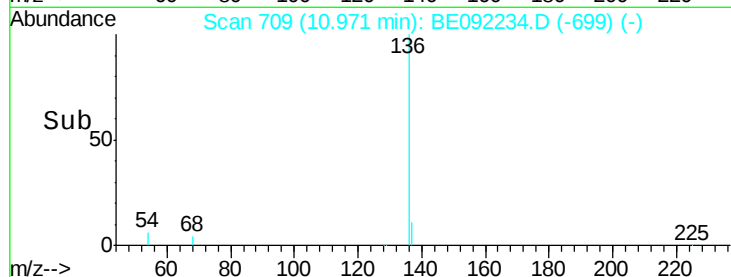


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.37 ng

RT: 9.34 min Scan# 628

Delta R.T. -0.02 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

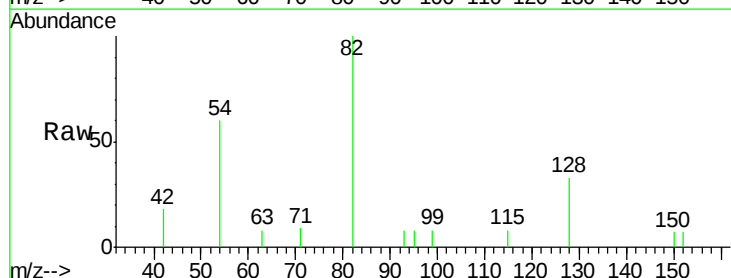
Tgt Ion: 82 Resp: 1556

Ion Ratio Lower Upper

82 100

128 33.1 45.0 67.4#

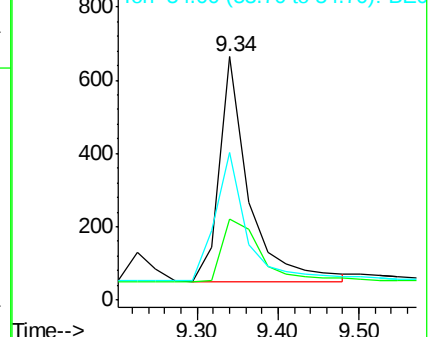
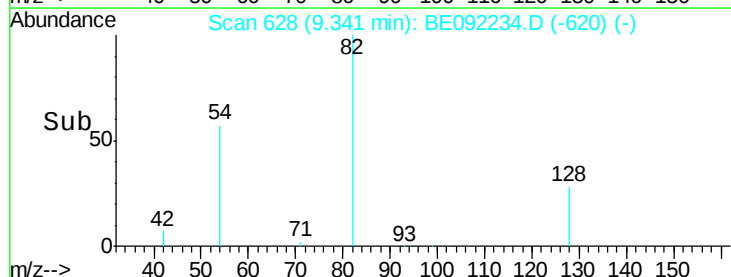
54 60.4 45.4 68.2

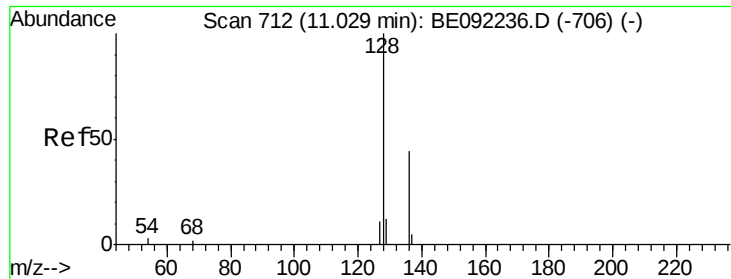


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.41 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

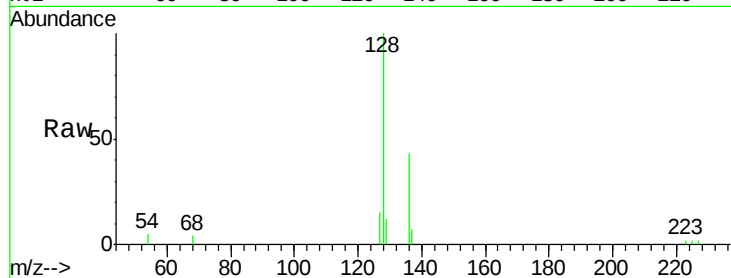
Tgt Ion:128 Resp: 5404

Ion Ratio Lower Upper

128 100

129 11.8 11.5 17.3

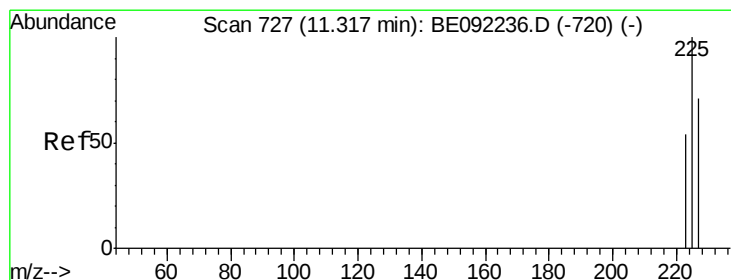
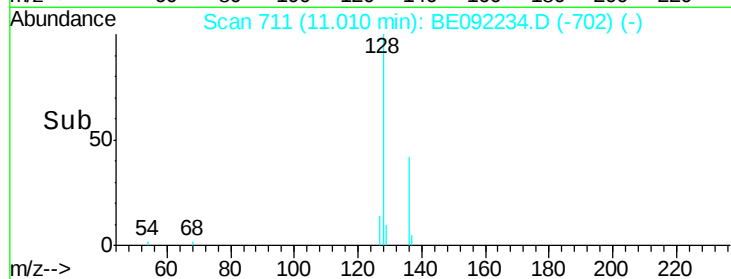
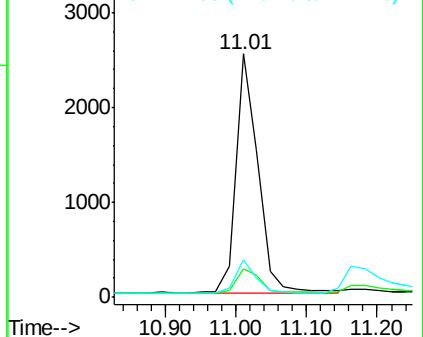
127 15.4 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.41 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.02 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

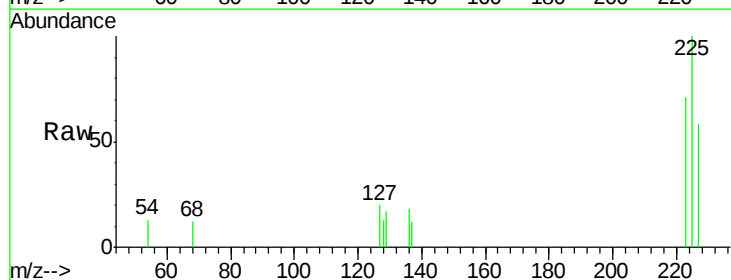
Tgt Ion:225 Resp: 781

Ion Ratio Lower Upper

225 100

223 60.9 52.2 78.4

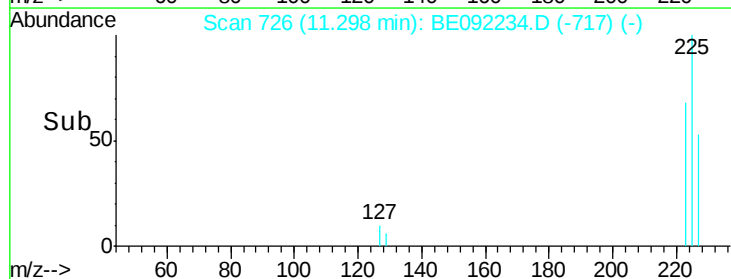
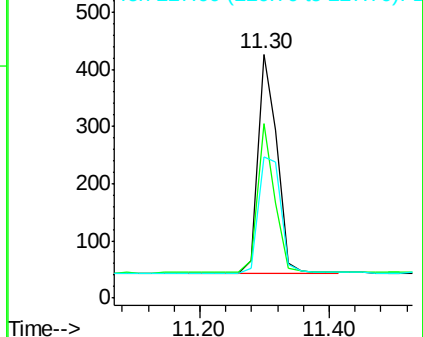
227 62.7 51.0 76.6

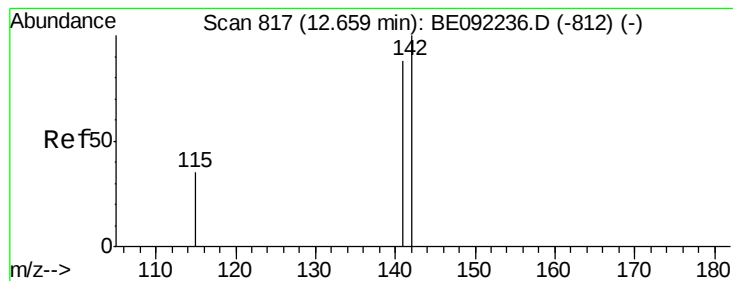


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.65 min Scan# 816

Delta R.T. -0.01 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

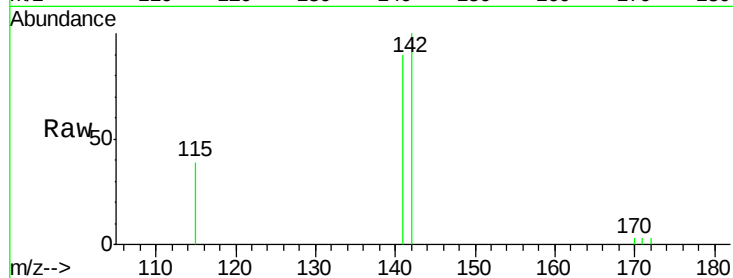
Tgt Ion:142 Resp: 3336

Ion Ratio Lower Upper

142 100

141 90.0 70.6 105.8

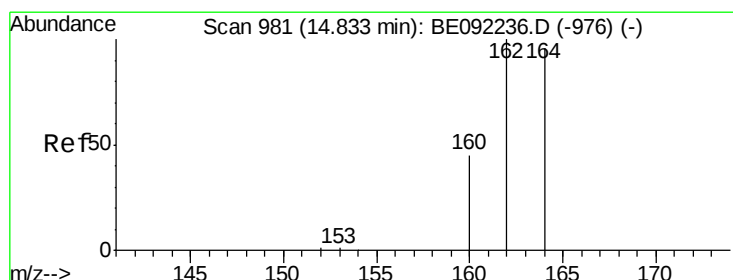
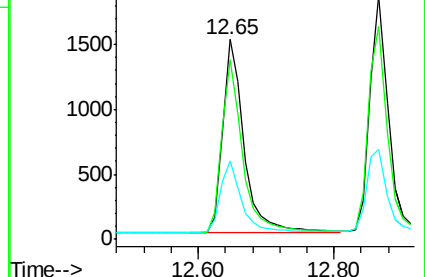
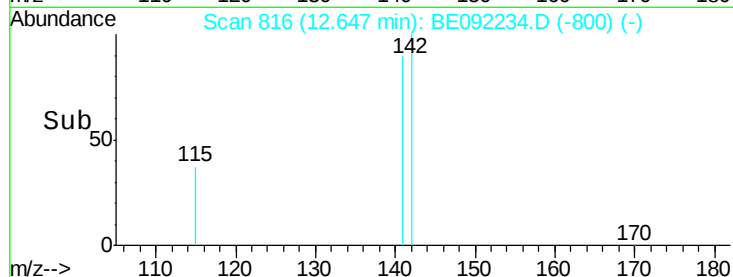
115 39.4 31.0 46.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

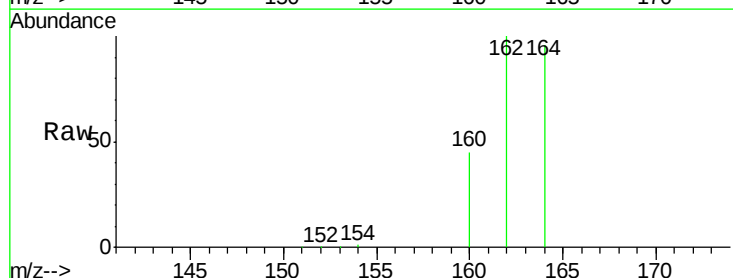
Tgt Ion:164 Resp: 33944

Ion Ratio Lower Upper

164 100

162 104.3 83.3 124.9

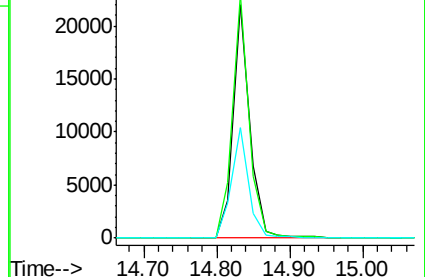
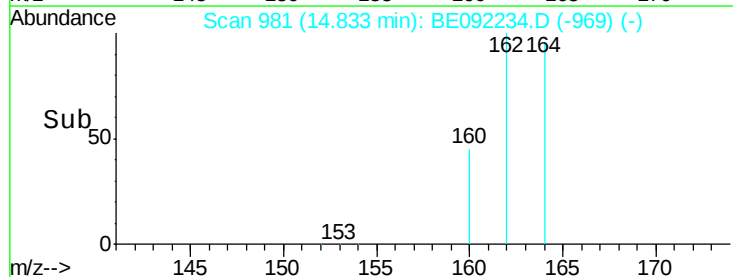
160 47.3 38.0 57.0

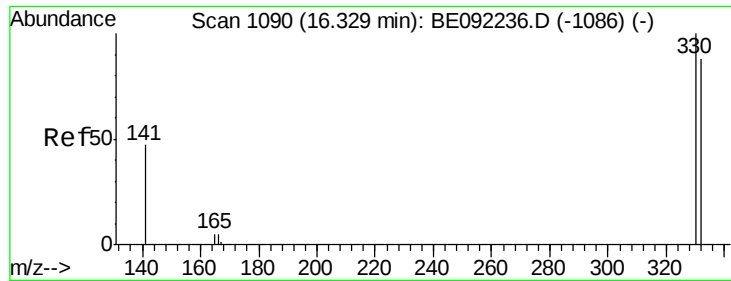


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

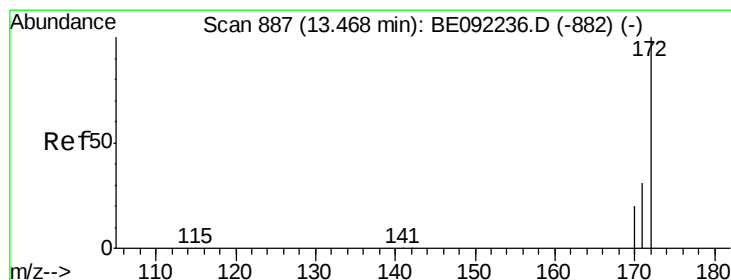
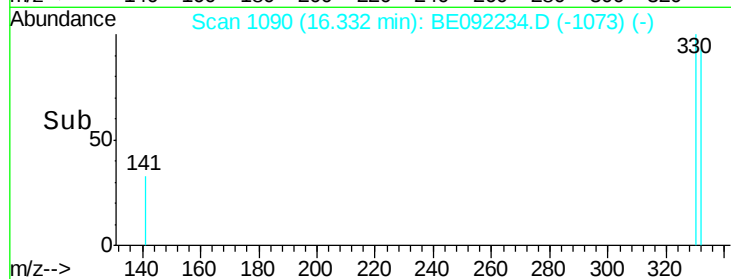
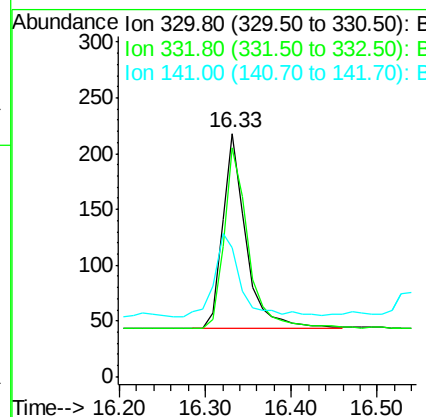
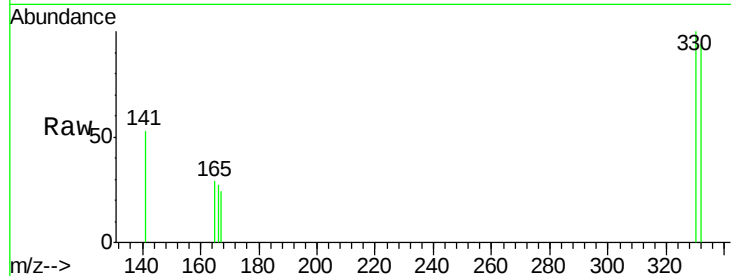




#13  
 2,4,6-Tribromophenol  
 Concen: 0.33 ng  
 RT: 16.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

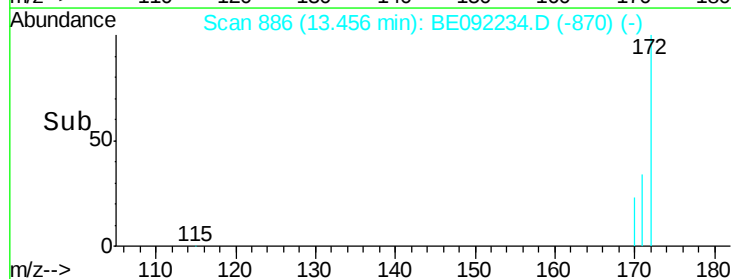
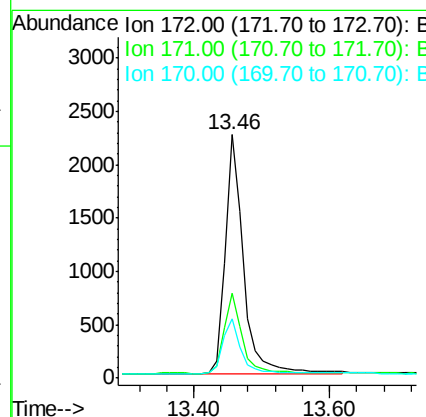
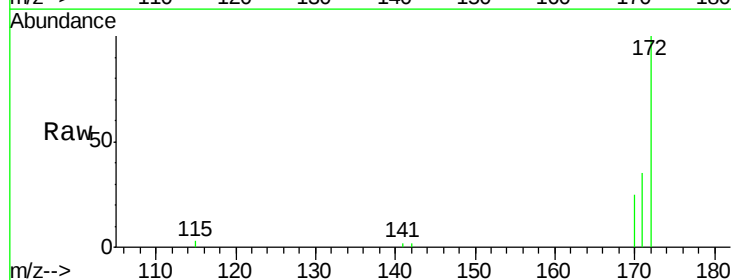
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

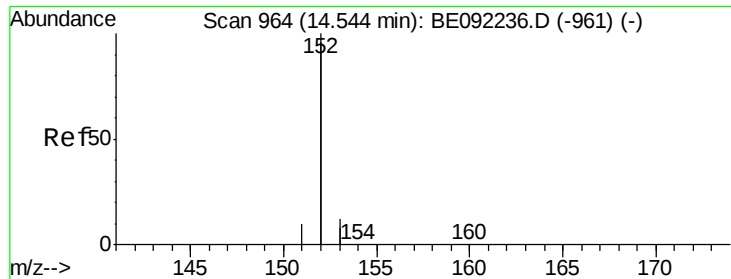
Tgt Ion: 330 Resp: 337  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 75.4 113.0  
 141 46.9 37.7 56.5



#14  
 2-Fluorobiphenyl  
 Concen: 0.40 ng  
 RT: 13.46 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

Tgt Ion: 172 Resp: 4205  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 26.8 40.2  
 170 24.6 17.8 26.6





#15

Acenaphthylene

Concen: 0.39 ng

RT: 14.54 min Scan# 964

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

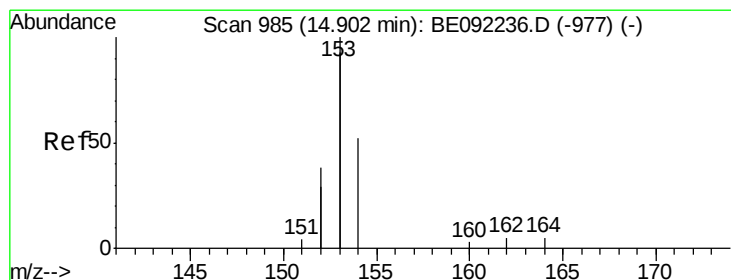
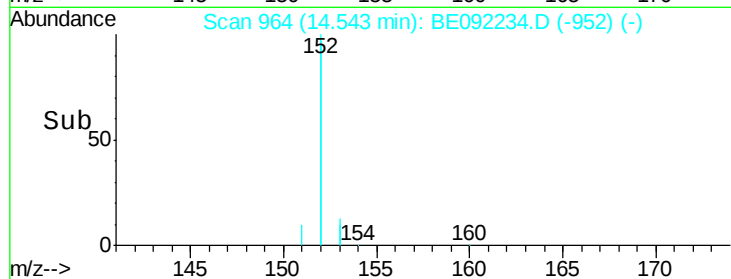
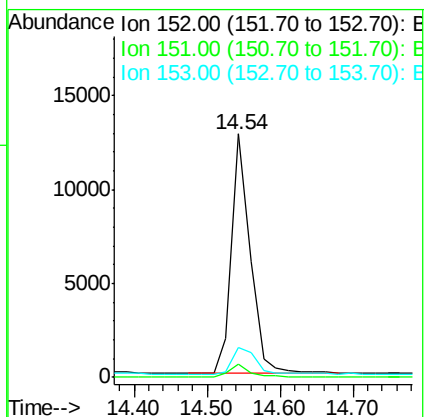
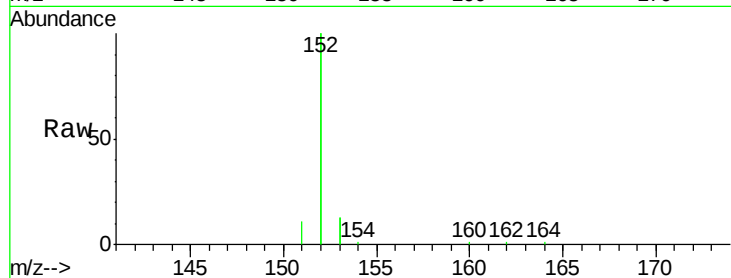
Tgt Ion:152 Resp: 22727

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

153 13.0 10.2 15.2



#16

Acenaphthene

Concen: 0.40 ng

RT: 14.90 min Scan# 985

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

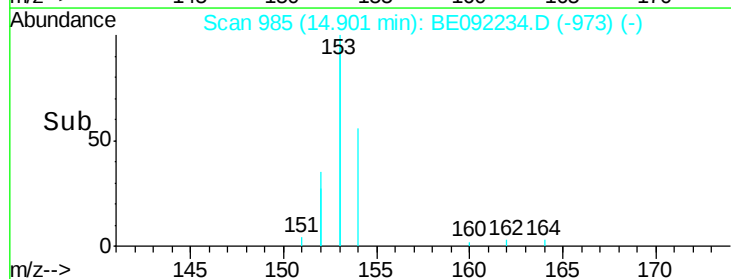
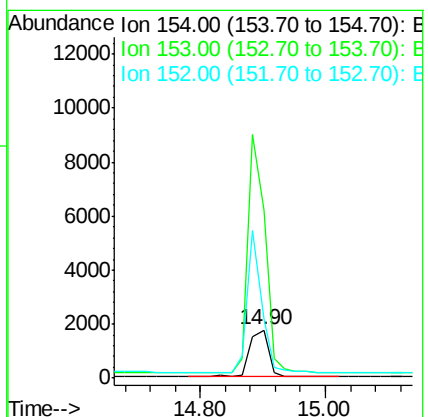
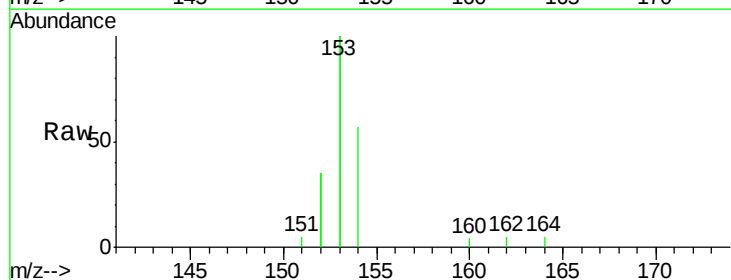
Tgt Ion:154 Resp: 3759

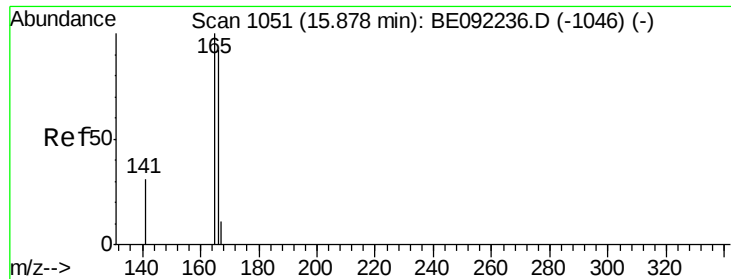
Ion Ratio Lower Upper

154 100

153 442.2 355.0 532.4

152 223.2 179.7 269.5

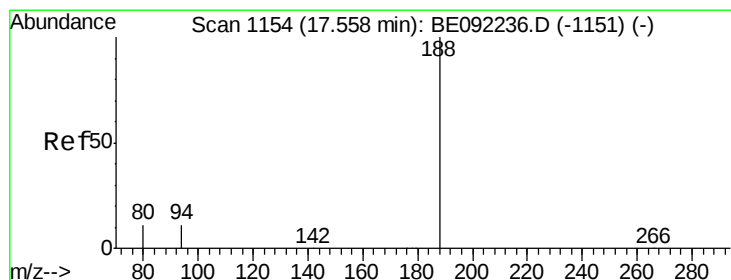
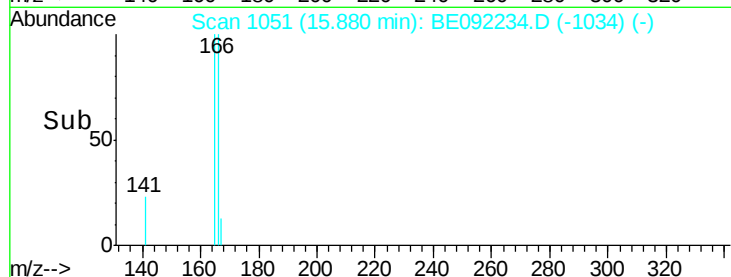
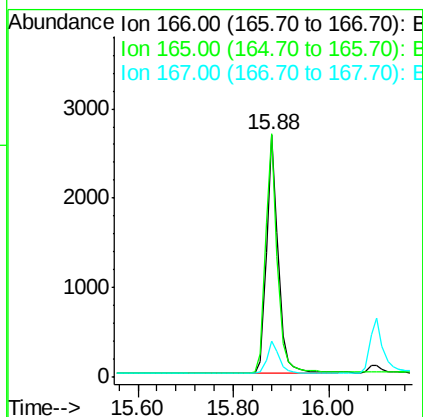
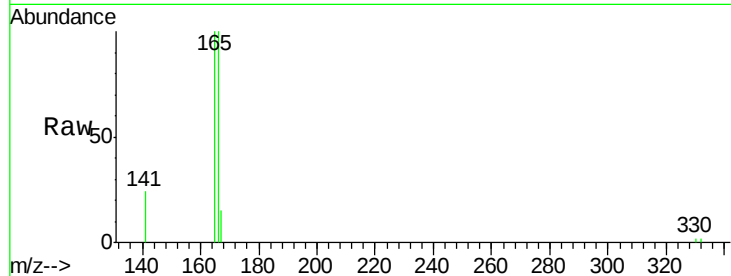




#17  
**Fluorene**  
 Concen: 0.40 ng  
 RT: 15.88 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

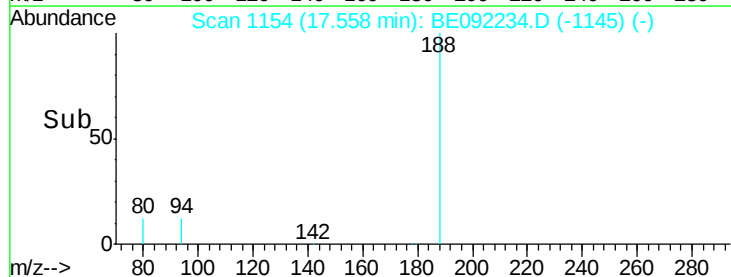
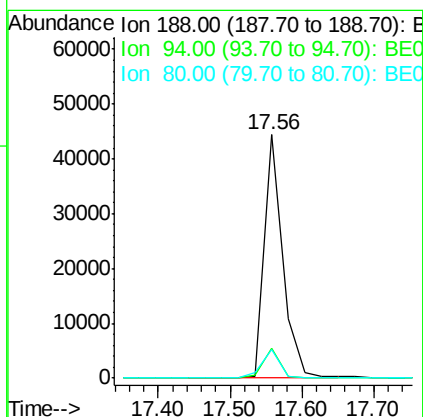
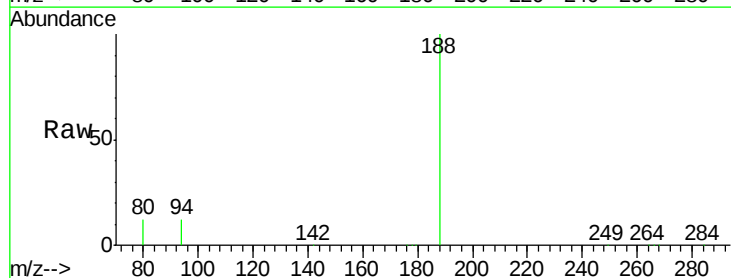
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

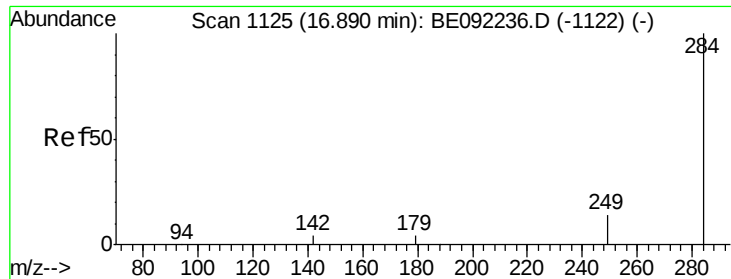
Tgt Ion:166 Resp: 4499  
 Ion Ratio Lower Upper  
 166 100  
 165 101.2 80.1 120.1  
 167 13.6 10.6 16.0



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.56 min Scan# 1154  
 Delta R.T. -0.00 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

Tgt Ion:188 Resp: 78919  
 Ion Ratio Lower Upper  
 188 100  
 94 12.2 9.2 13.8  
 80 11.9 9.1 13.7

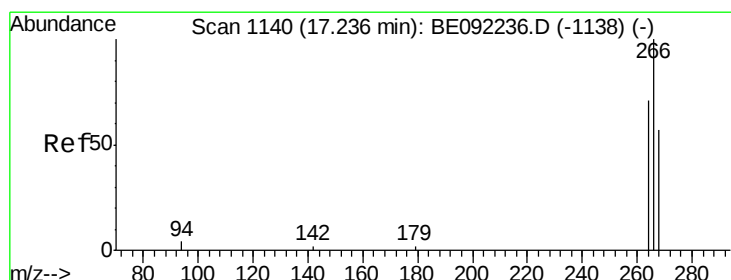
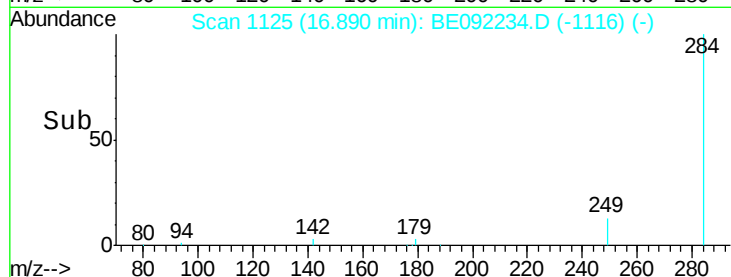
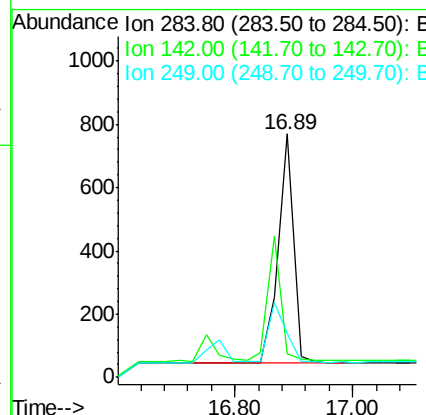
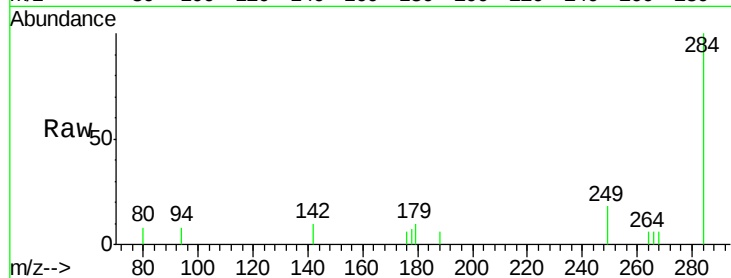




#19  
Hexachlorobenzene  
Concen: 0.43 ng  
RT: 16.89 min Scan# 1125  
Delta R.T. -0.00 min  
Lab File: BE092234.D  
Acq: 9 Aug 2016 18:06

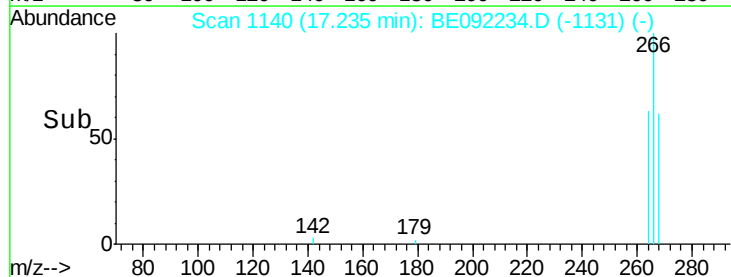
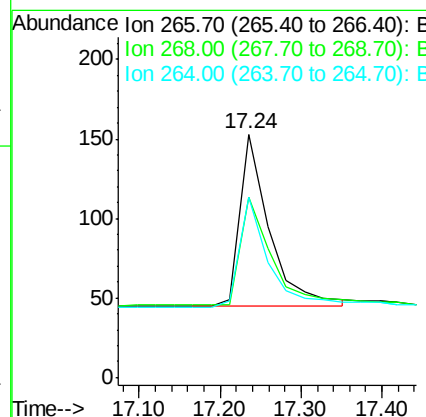
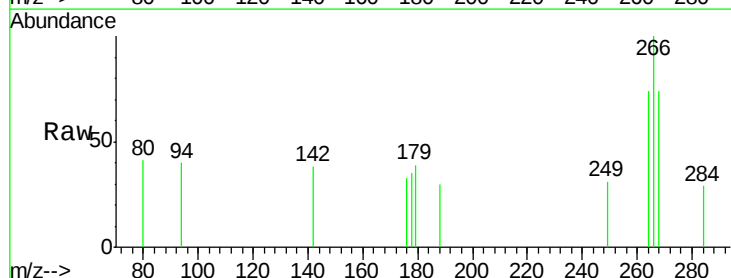
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

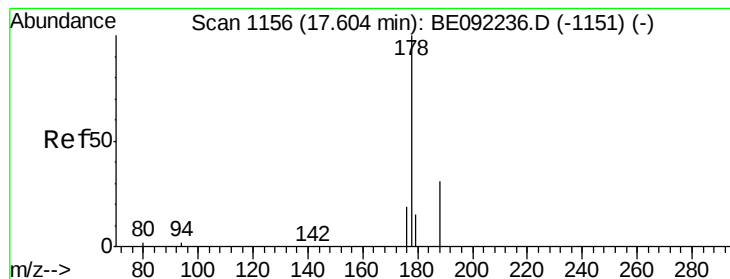
Tgt Ion: 284 Resp: 1342  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 0.0 0.0



#20  
Pentachlorophenol  
Concen: 0.33 ng  
RT: 17.24 min Scan# 1140  
Delta R.T. -0.00 min  
Lab File: BE092234.D  
Acq: 9 Aug 2016 18:06

Tgt Ion: 266 Resp: 271  
Ion Ratio Lower Upper  
266 100  
268 73.9 62.3 93.5  
264 73.9 67.4 101.0





#21

Phenanthrene

Concen: 0.41 ng

RT: 17.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

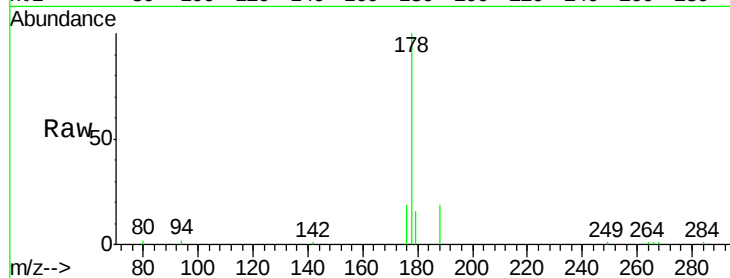
Tgt Ion:178 Resp: 8291

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

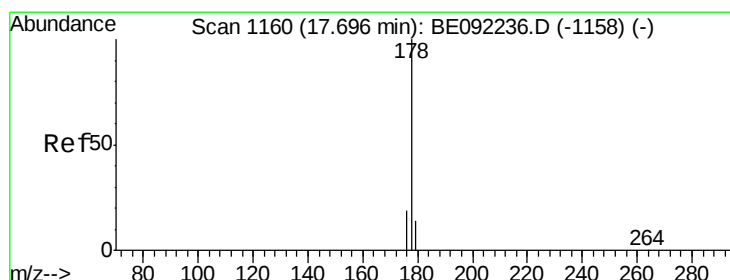
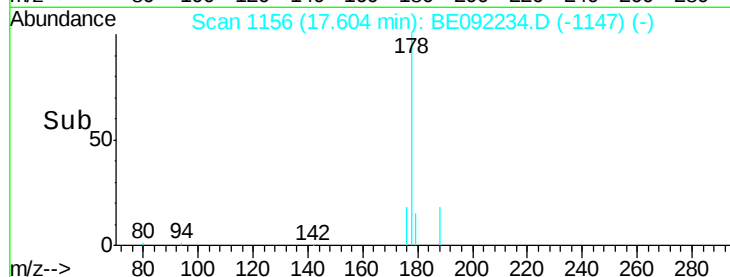
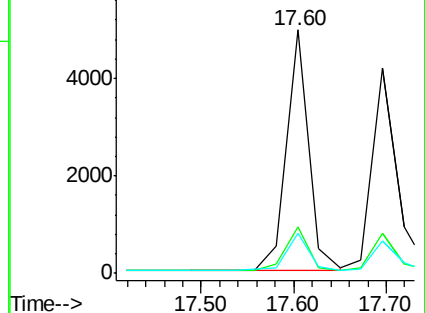
179 16.1 12.9 19.3



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



#22

Anthracene

Concen: 0.41 ng

RT: 17.70 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

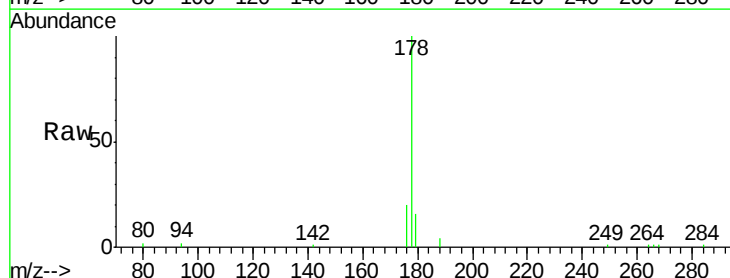
Tgt Ion:178 Resp: 7509

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

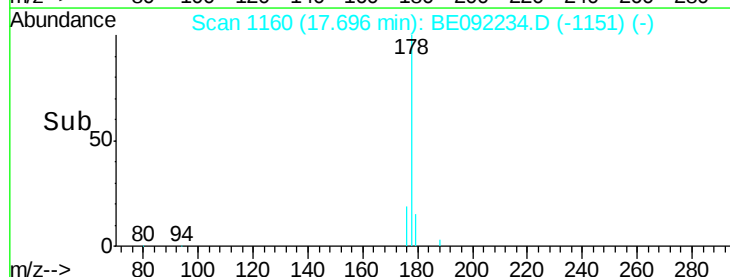
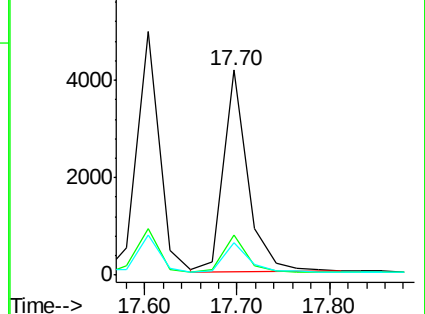
179 15.0 12.0 18.0

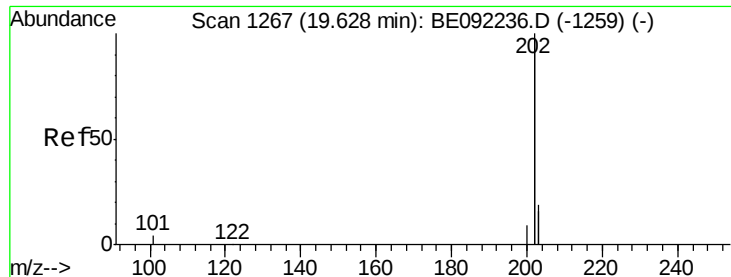


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.40 ng

RT: 19.63 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

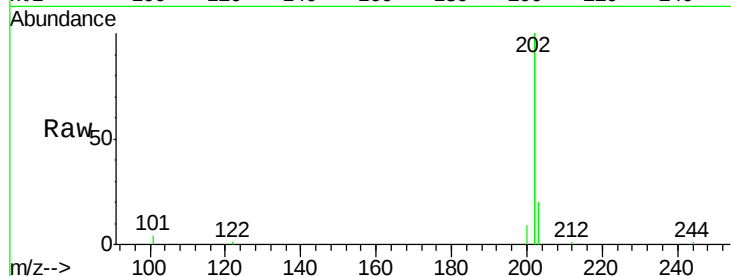
Tgt Ion:202 Resp: 32189

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

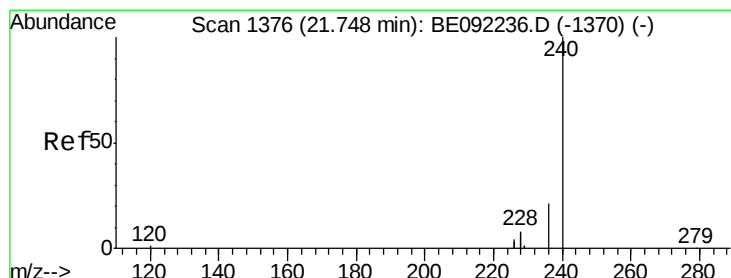
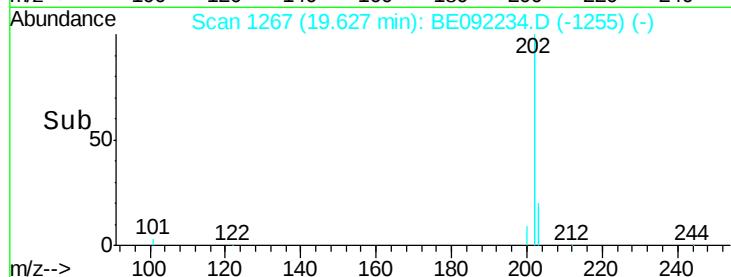
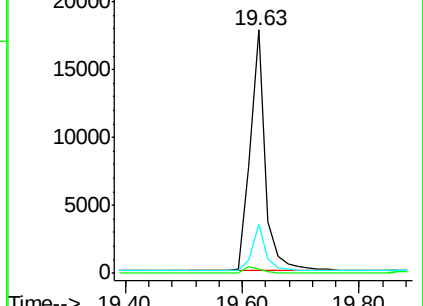
203 17.8 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

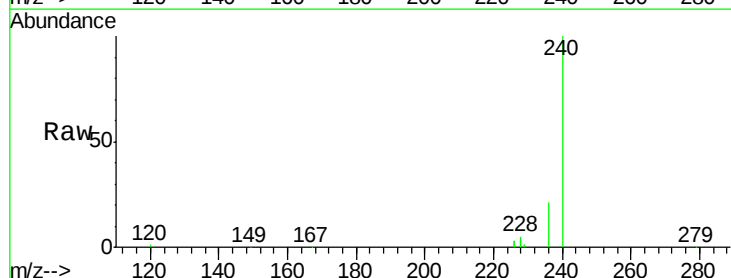
Tgt Ion:240 Resp: 75808

Ion Ratio Lower Upper

240 100

120 1.1 1.2 1.8#

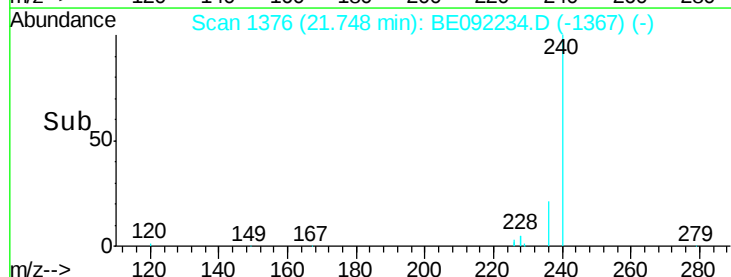
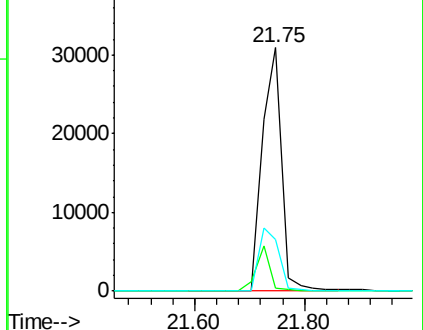
236 21.1 17.1 25.7

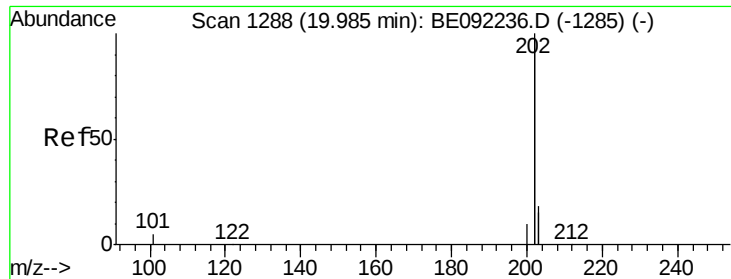


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

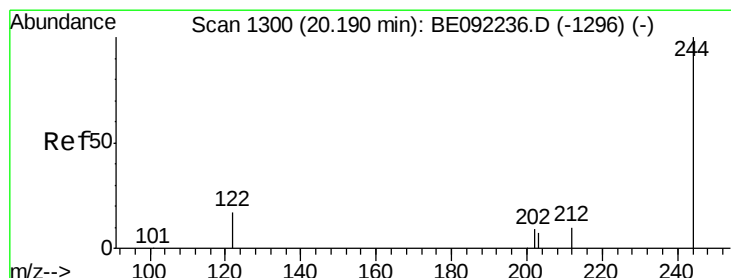
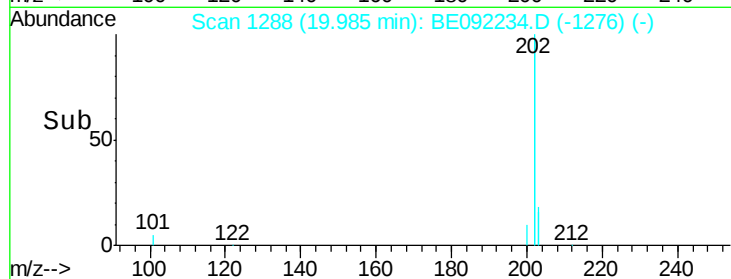
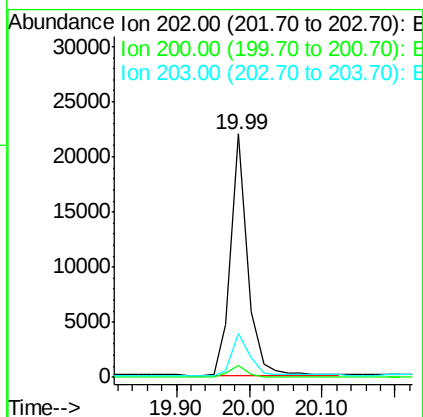
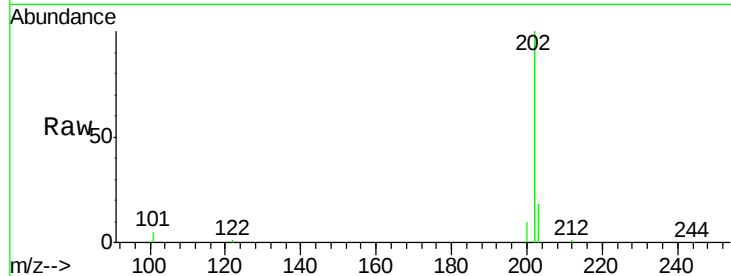




#25  
 Pyrene  
 Concen: 0.39 ng  
 RT: 19.99 min Scan# 1288  
 Delta R.T. -0.00 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

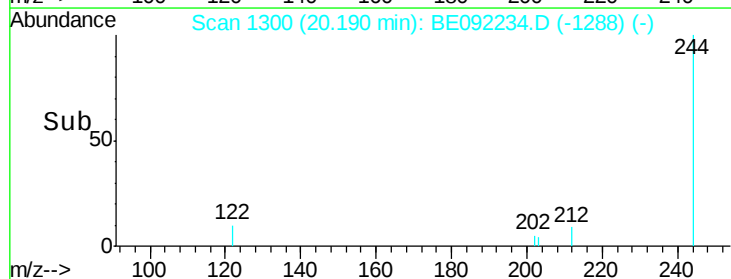
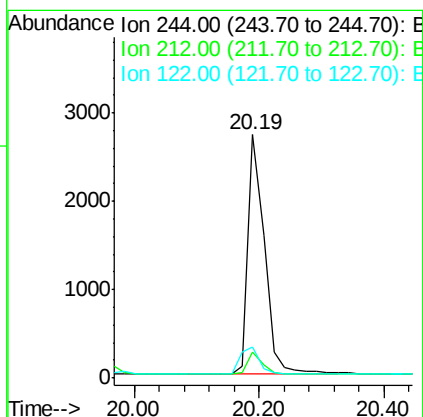
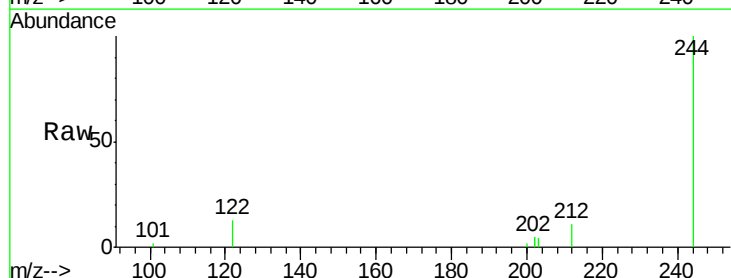
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

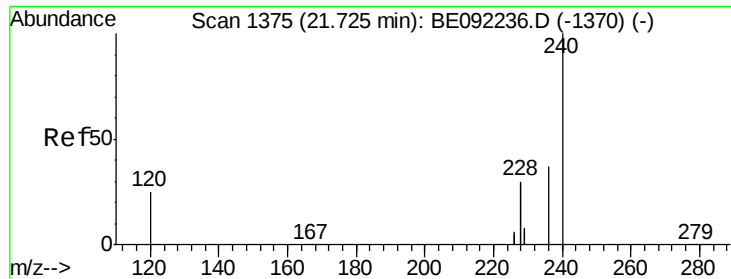
Tgt Ion:202 Resp: 34964  
 Ion Ratio Lower Upper  
 202 100  
 200 5.2 4.2 6.4  
 203 17.9 14.0 21.0



#26  
 Terphenyl-d14  
 Concen: 0.39 ng  
 RT: 20.19 min Scan# 1300  
 Delta R.T. -0.00 min  
 Lab File: BE092234.D  
 Acq: 9 Aug 2016 18:06

Tgt Ion:244 Resp: 4972  
 Ion Ratio Lower Upper  
 244 100  
 212 10.7 10.2 15.2  
 122 12.8 15.9 23.9#

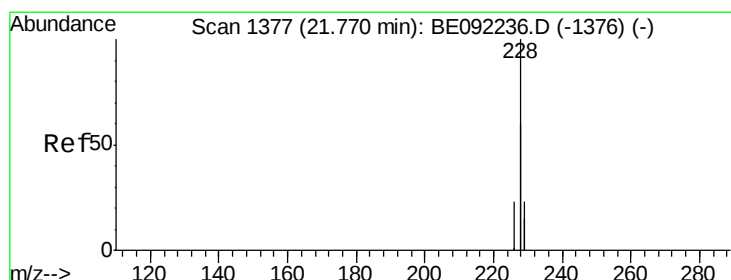
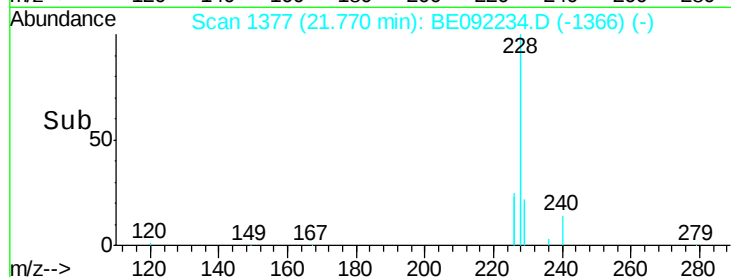
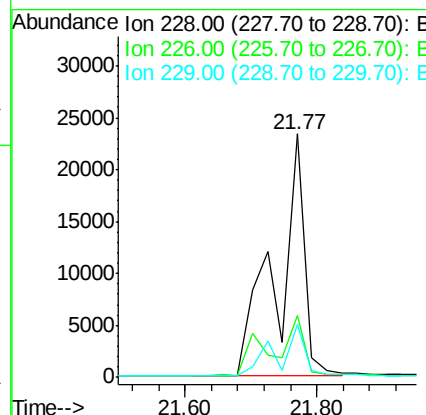
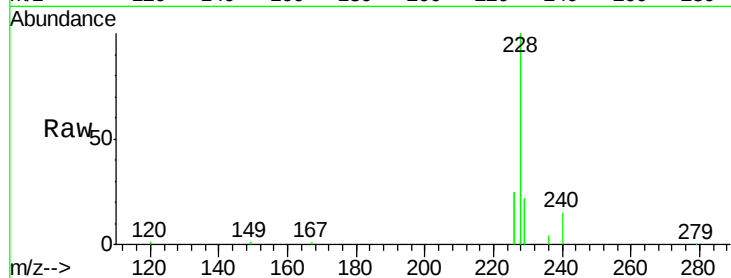




#27  
Benzo(a)anthracene  
Concen: 0.73 ng  
RT: 21.77 min Scan# 1377  
Delta R.T. 0.05 min  
Lab File: BE092234.D  
Acq: 9 Aug 2016 18:06

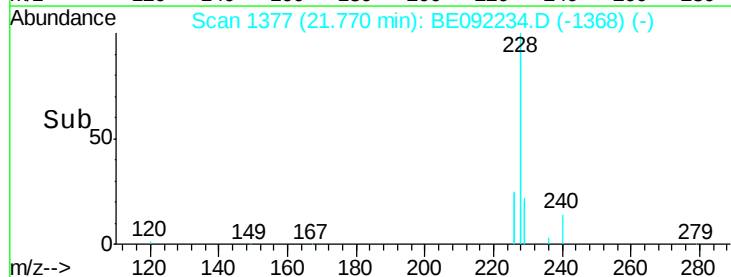
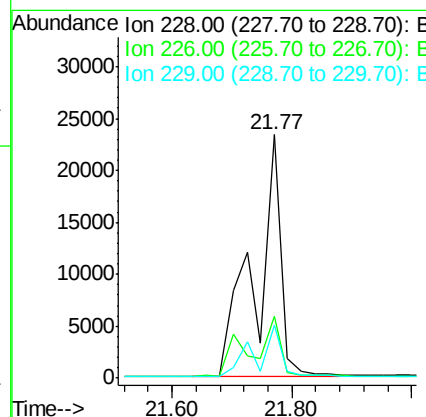
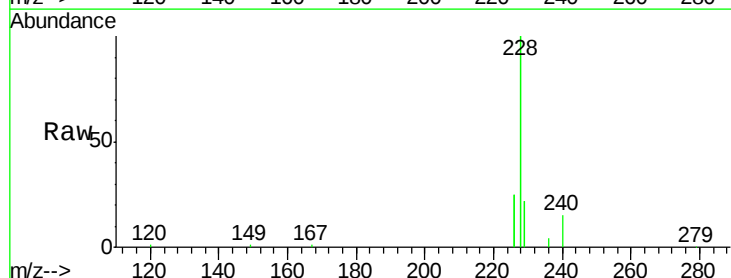
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

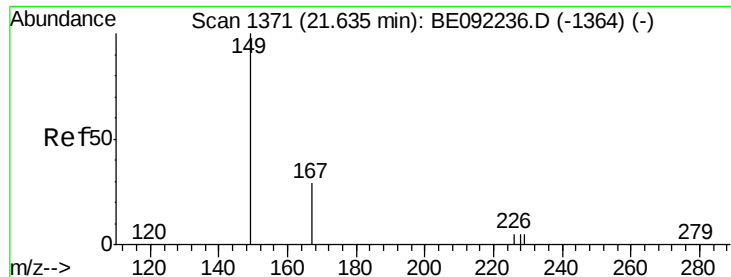
Tgt Ion:228 Resp: 66594  
Ion Ratio Lower Upper  
228 100  
226 25.3 15.9 23.9#  
229 21.6 22.4 33.6#



#28  
Chrysene  
Concen: 0.80 ng  
RT: 21.77 min Scan# 1377  
Delta R.T. -0.00 min  
Lab File: BE092234.D  
Acq: 9 Aug 2016 18:06

Tgt Ion:228 Resp: 67042  
Ion Ratio Lower Upper  
228 100  
226 25.3 18.3 27.5  
229 21.6 18.6 27.8





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.37 ng

RT: 21.63 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

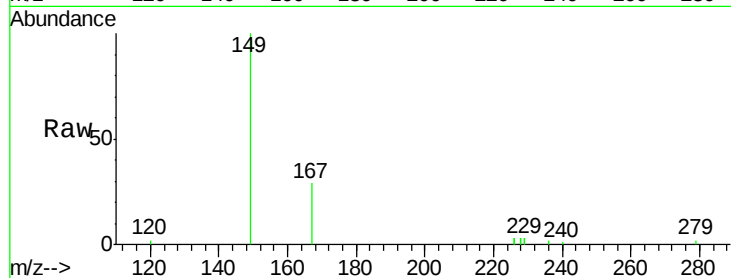
Tgt Ion:149 Resp: 4371

Ion Ratio Lower Upper

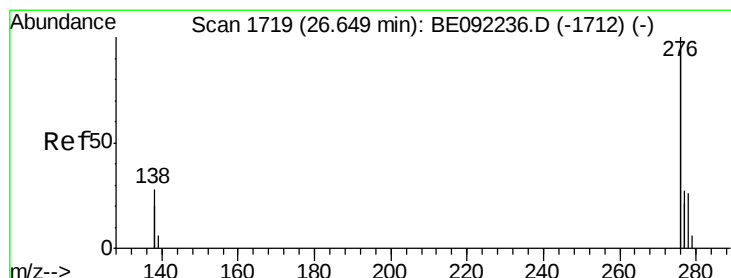
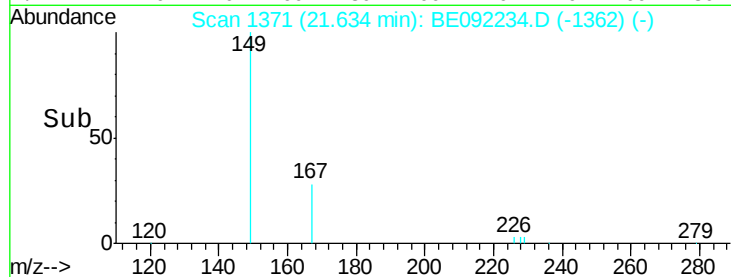
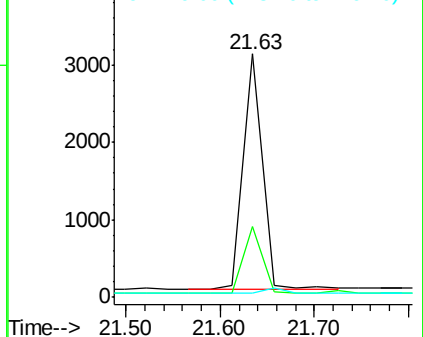
149 100

167 27.6 22.1 33.1

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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng

RT: 26.63 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

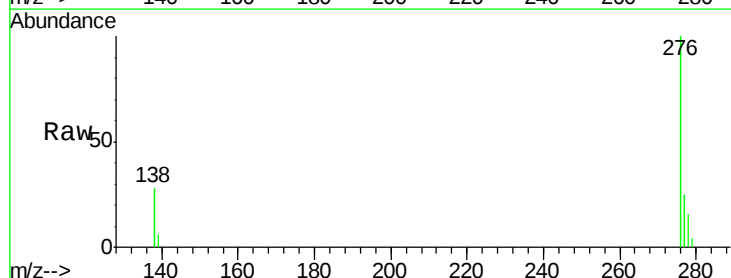
Tgt Ion:276 Resp: 34990

Ion Ratio Lower Upper

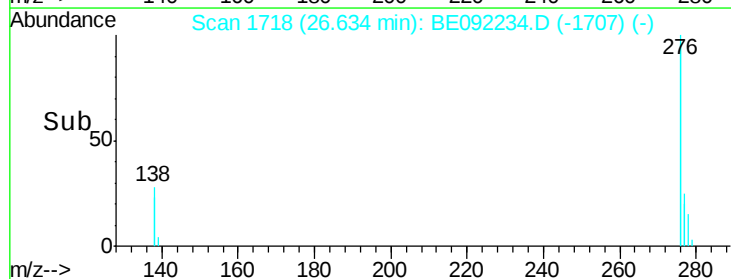
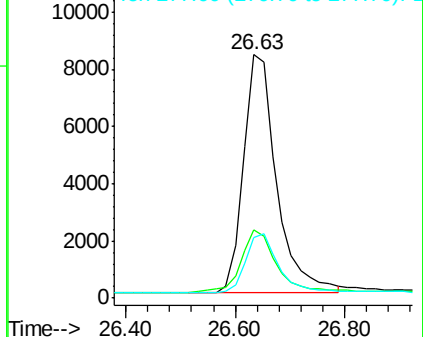
276 100

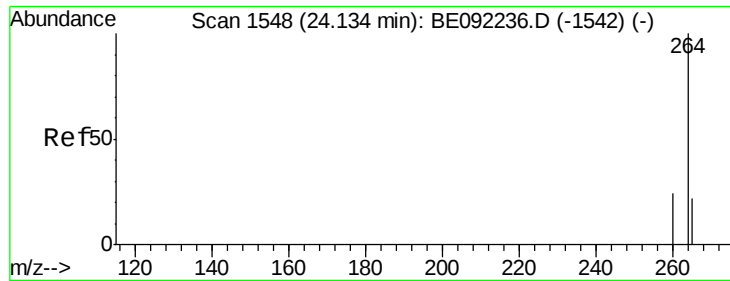
138 27.3 21.3 31.9

277 24.7 19.7 29.5



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





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.13 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

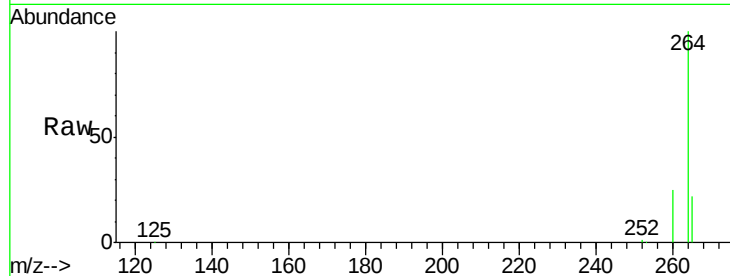
Tgt Ion:264 Resp: 78279

Ion Ratio Lower Upper

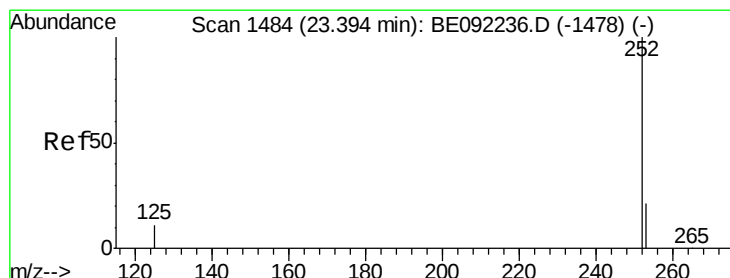
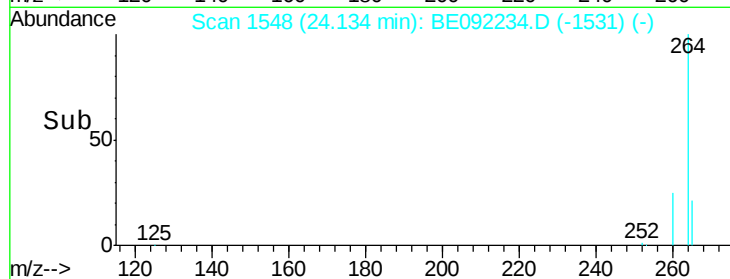
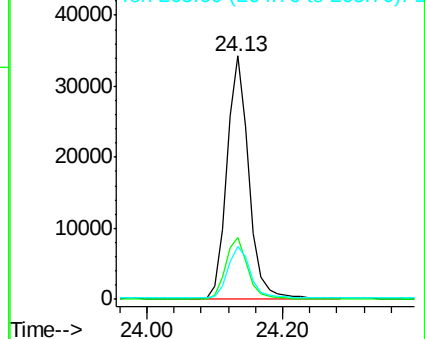
264 100

260 25.4 19.5 29.3

265 21.9 18.2 27.4



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



#32

Benzo(b)fluoranthene

Concen: 0.38 ng

RT: 23.39 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

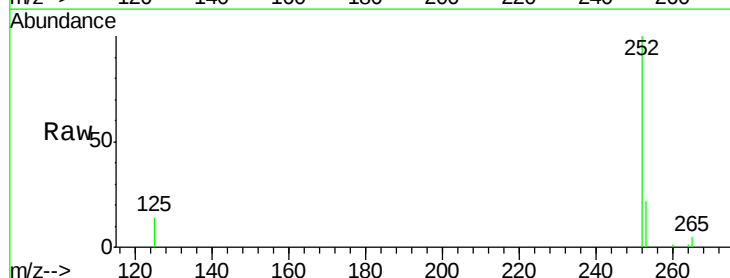
Tgt Ion:252 Resp: 7862

Ion Ratio Lower Upper

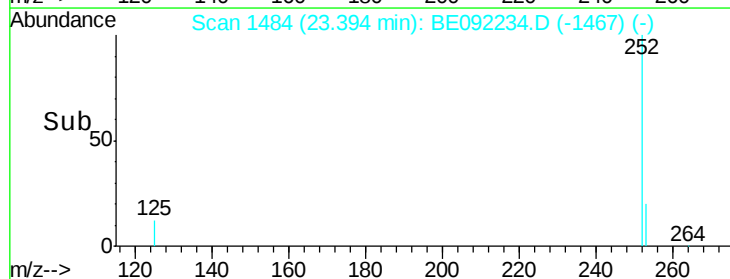
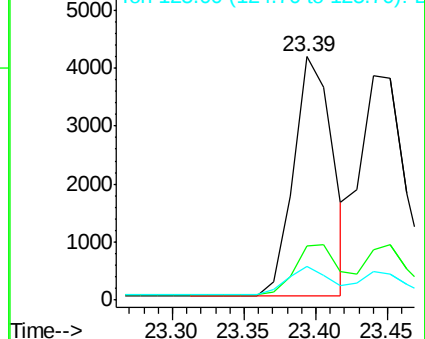
252 100

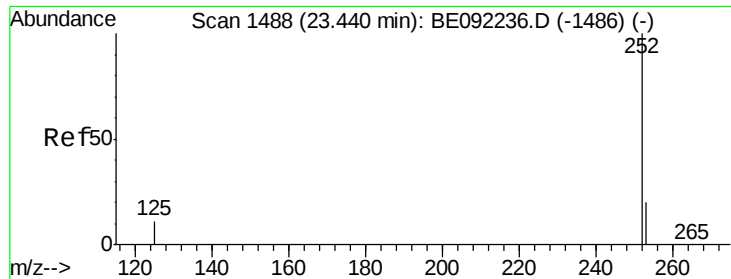
253 22.4 19.0 28.4

125 13.6 10.3 15.5



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





#33

Benzo(k)fluoranthene

Concen: 0.41 ng

RT: 23.44 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

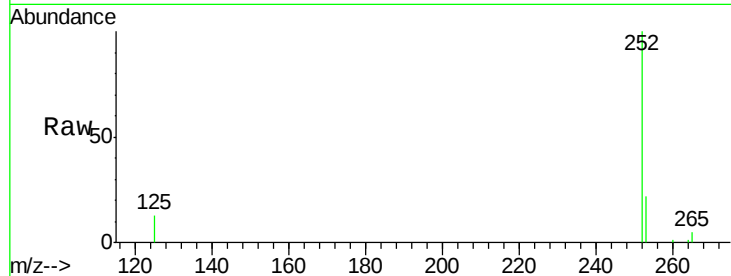
Tgt Ion:252 Resp: 8676

Ion Ratio Lower Upper

252 100

253 22.2 19.0 28.6

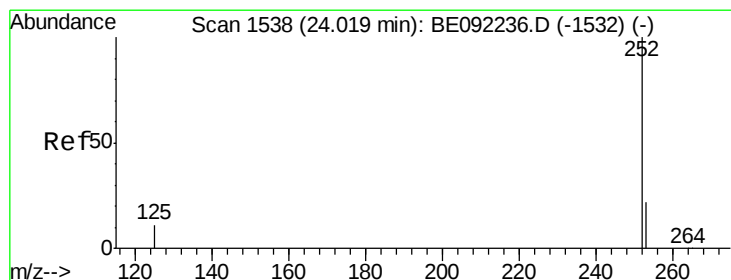
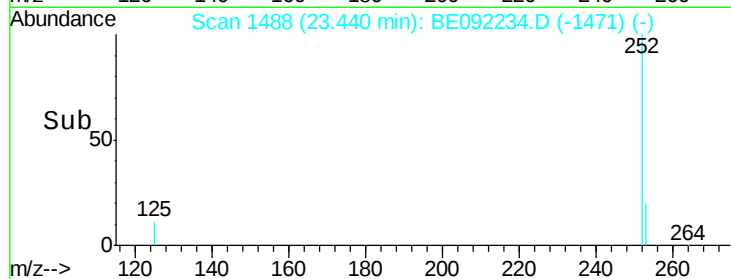
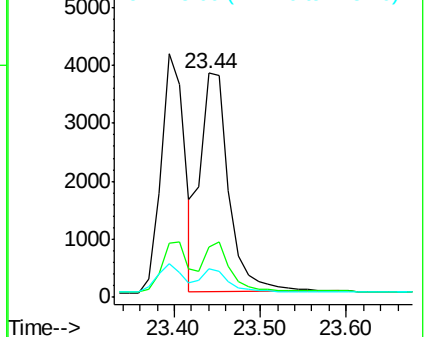
125 12.9 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 0.40 ng

RT: 24.02 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

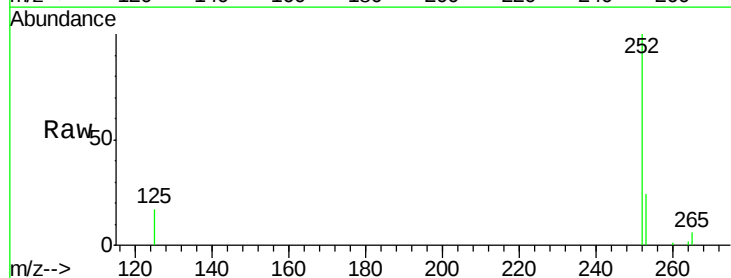
Tgt Ion:252 Resp: 7772

Ion Ratio Lower Upper

252 100

253 23.8 20.3 30.5

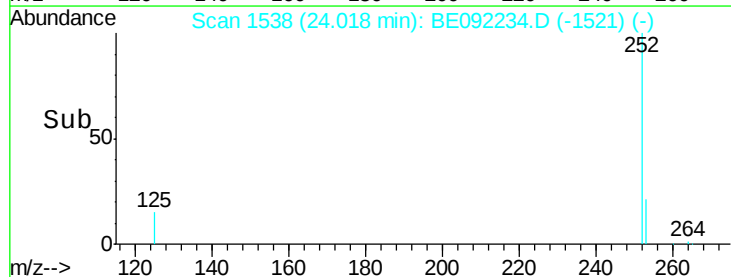
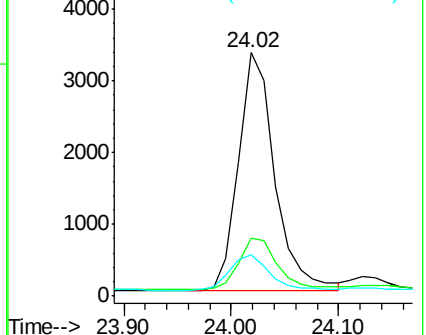
125 16.7 11.8 17.6

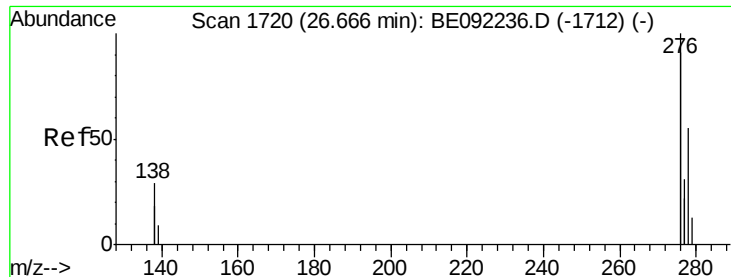


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 0.39 ng

RT: 26.67 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

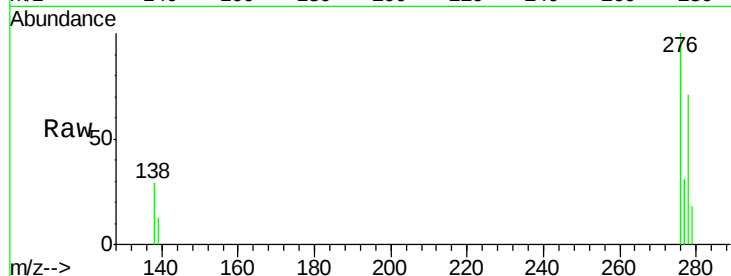
Tgt Ion: 278 Resp: 6945

Ion Ratio Lower Upper

278 100

139 18.1 16.2 24.2

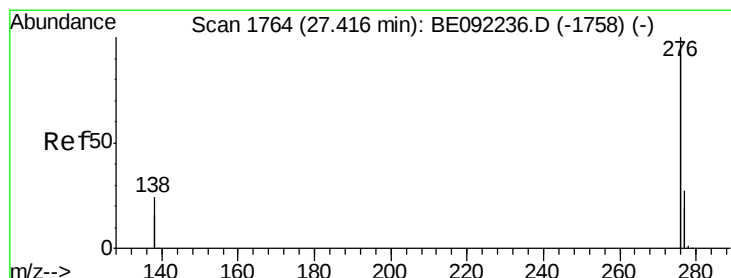
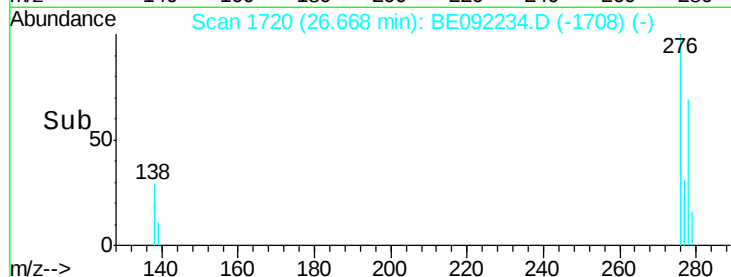
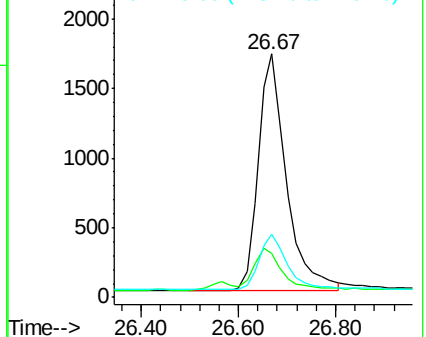
279 26.1 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 0.39 ng

RT: 27.42 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BE092234.D

Acq: 9 Aug 2016 18:06

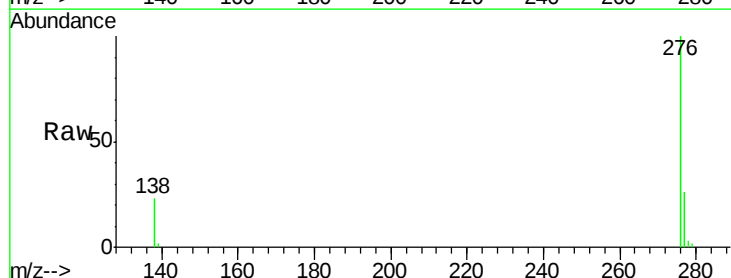
Tgt Ion: 276 Resp: 30061

Ion Ratio Lower Upper

276 100

277 26.2 21.4 32.2

138 22.5 19.4 29.2



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

