

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080116\  
 Data File : BE092097.D  
 Acq On : 1 Aug 2016 18:23  
 Operator : UM/SJ  
 Sample : PB92309BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB92309BL

Quant Time: Aug 02 01:06:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 17:22:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 13244    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8         | 10.97 | 136  | 56713    | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10      | 14.86 | 164  | 32145    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.58 | 188  | 116835   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.74 | 240  | 134291   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 24.15 | 264  | 118233   | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol        | 5.68  | 112 | 22817 | 6.28 | ng | -0.02 |
| 5) Phenol-d6             | 7.33  | 99  | 25883 | 5.14 | ng | 0.00  |
| 9) Nitrobenzene-d5       | 9.35  | 82  | 13925 | 3.15 | ng | 0.00  |
| 16) 2,4,6-Tribromophenol | 16.34 | 330 | 10737 | 5.06 | ng | 0.00  |
| 17) 2-Fluorobiphenyl     | 13.46 | 172 | 34588 | 2.78 | ng | 0.00  |
| 34) Terphenyl-d14        | 20.21 | 244 | 41899 | 3.18 | ng | 0.00  |

## Target Compounds

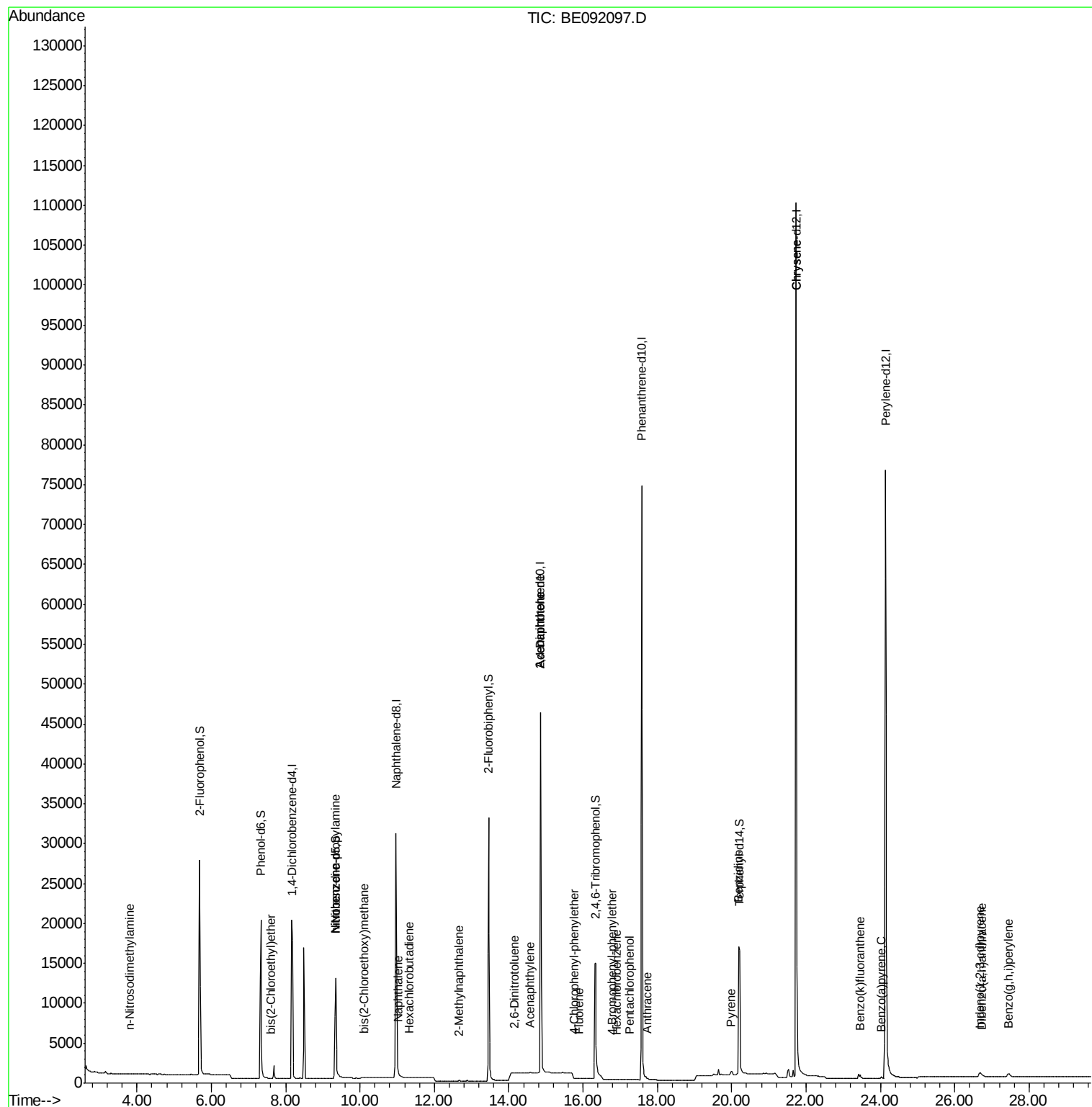
|                                |       |     |       |       |     | Qvalue |
|--------------------------------|-------|-----|-------|-------|-----|--------|
| 3) n-Nitrosodimethylamine      | 3.82  | 42  | 18    | 0.01  | ng  | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 6     | 0.00  | ng  | # 18   |
| 7) n-Nitroso-di-n-propylamine  | 9.35  | 70  | 1769  | 0.45  | ng  | # 82   |
| 10) Nitrobenzene               | 9.35  | 77  | 75    | 0.02  | ng  | # 53   |
| 11) bis(2-Chloroethoxy)methane | 10.12 | 93  | 739   | 0.00  | ng  | # 50   |
| 12) Naphthalene                | 11.02 | 128 | 37    | 0.00  | ng  | # 1    |
| 13) Hexachlorobutadiene        | 11.32 | 225 | 4     | 0.00  | ng  | # 1    |
| 14) 2-Methylnaphthalene        | 12.66 | 142 | 31    | 0.00  | ng  | # 48   |
| 18) Acenaphthylene             | 14.58 | 152 | 174   | 0.00  | ng  | # 86   |
| 19) 2,6-Dinitrotoluene         | 14.16 | 165 | 2735  | 0.33  | ng  | # 100  |
| 20) Acenaphthene               | 14.86 | 154 | 190   | 0.02  | ng  | # 1    |
| 21) 2,4-Dinitrotoluene         | 14.86 | 165 | 15374 | 1.12  | ng  | # 1    |
| 22) Fluorene                   | 15.89 | 166 | 37    | 0.00  | ng  | # 58   |
| 23) 4-Chlorophenyl-phenylether | 15.77 | 204 | 285   | 0.04  | ng  | # 1    |
| 25) 4-Bromophenyl-phenylether  | 16.78 | 248 | 11    | 0.00  | ng  | # 13   |
| 26) Hexachlorobenzene          | 16.90 | 284 | 11    | 0.00  | ng  | # 33   |
| 27) Pentachlorophenol          | 17.26 | 266 | 59    | 0.22  | ng  | # 88   |
| 28) Phenanthrene               | 17.63 | 178 | 971   | Below | Cal | # 74   |
| 29) Anthracene                 | 17.72 | 178 | 110   | 0.00  | ng  | # 84   |
| 30) Fluoranthene               | 19.64 | 202 | 1358  | Below | Cal | # 89   |
| 32) Benzidine                  | 20.18 | 184 | 1608  | 0.45  | ng  | # 87   |
| 33) Pyrene                     | 19.98 | 202 | 1194  | 0.01  | ng  | # 70   |
| 35) Benzo(a)anthracene         | 21.74 | 228 | 1678  | Below | Cal | # 78   |
| 37) Chrysene                   | 21.74 | 228 | 1722  | 0.05  | ng  | # 80   |
| 38) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 1202  | Below | Cal | # 41   |
| 39) Indeno(1,2,3-cd)pyrene     | 26.69 | 276 | 1628  | 0.01  | ng  | # 92   |
| 41) Benzo(b)fluoranthene       | 23.42 | 252 | 944   | Below | Cal | # 58   |
| 42) Benzo(k)fluoranthene       | 23.46 | 252 | 736   | 0.02  | ng  | # 52   |
| 43) Benzo(a)pyrene             | 24.03 | 252 | 301   | 0.01  | ng  | # 1    |
| 44) Dibenzo(a,h)anthracene     | 26.72 | 278 | 326   | 0.01  | ng  | # 7    |
| 45) Benzo(g,h,i)perylene       | 27.45 | 276 | 1403  | 0.01  | ng  | # 33   |

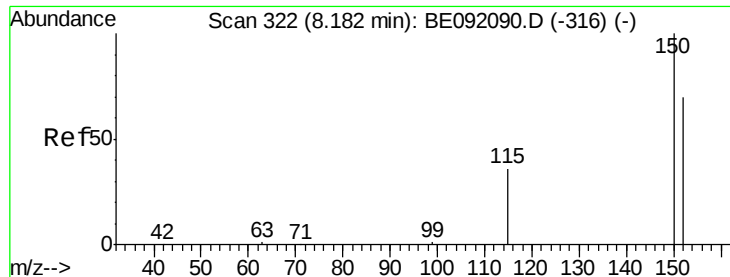
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 01 17:22:55 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

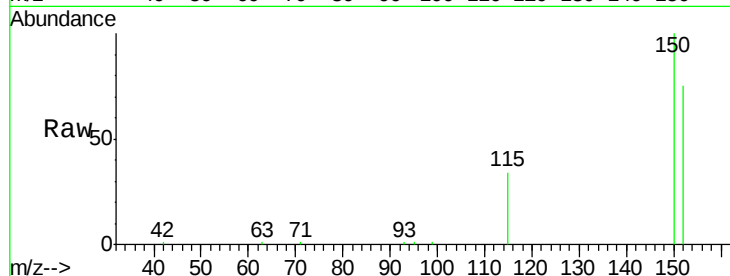
Tgt Ion:152 Resp: 13244

Ion Ratio Lower Upper

152 100

150 133.2 106.0 159.0

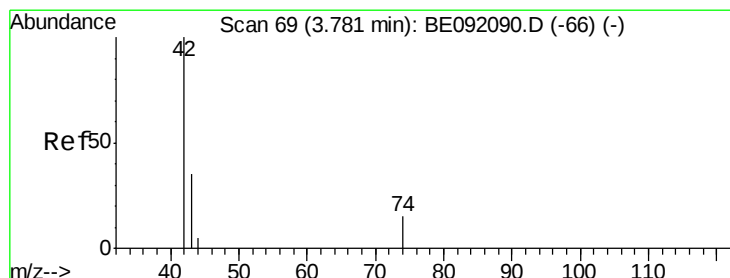
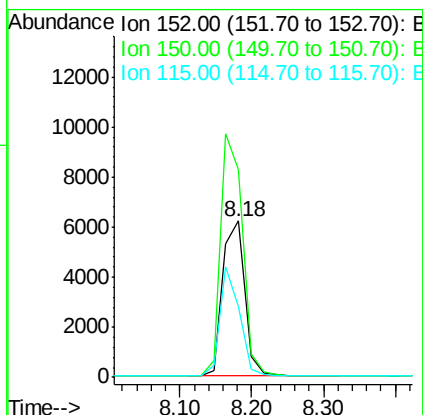
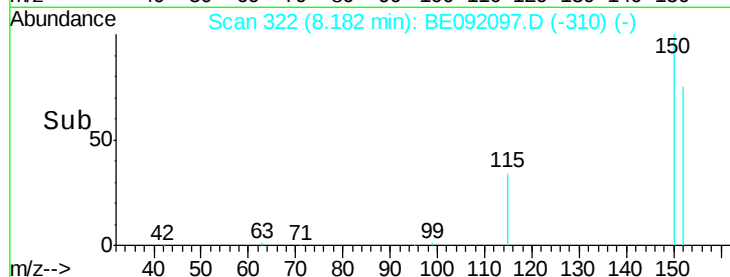
115 45.7 36.9 55.3



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



#3

n-Nitrosodimethylamine

Concen: 0.01 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.03 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

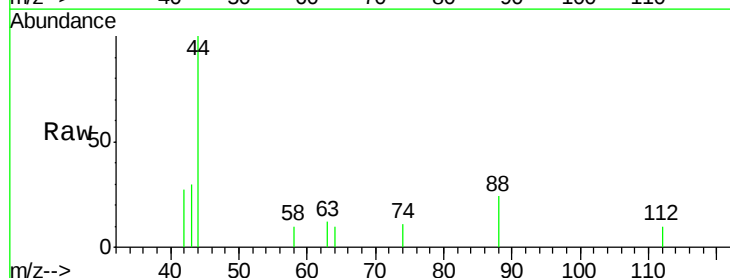
Tgt Ion: 42 Resp: 18

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

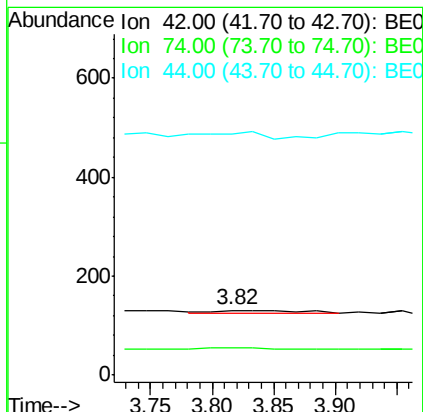
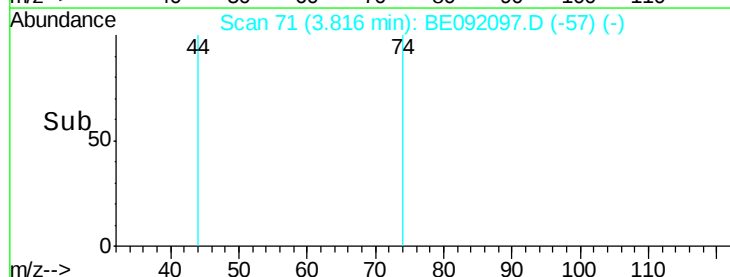
44 222.2 9.0 13.4#

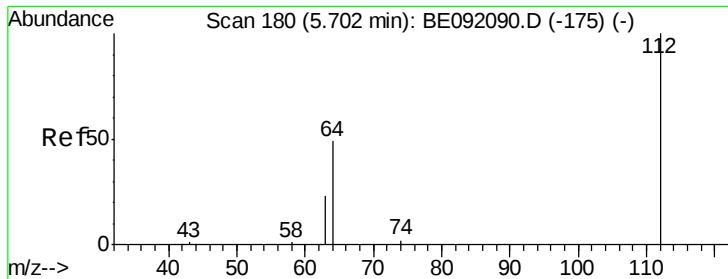


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 6.28 ng

RT: 5.68 min Scan# 179

Delta R.T. -0.02 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

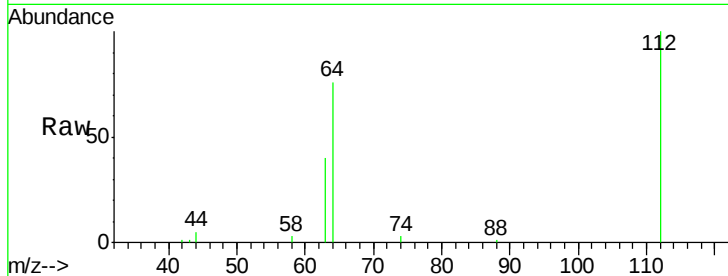
Tgt Ion: 112 Resp: 22817

Ion Ratio Lower Upper

112 100

64 66.5 55.9 83.9

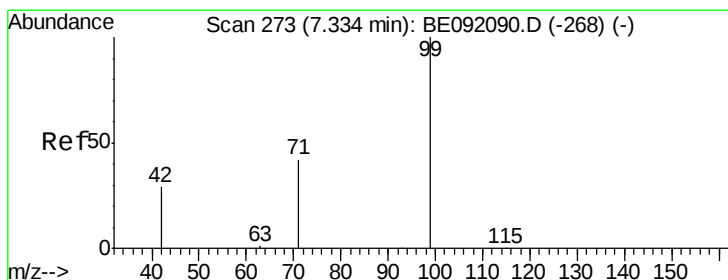
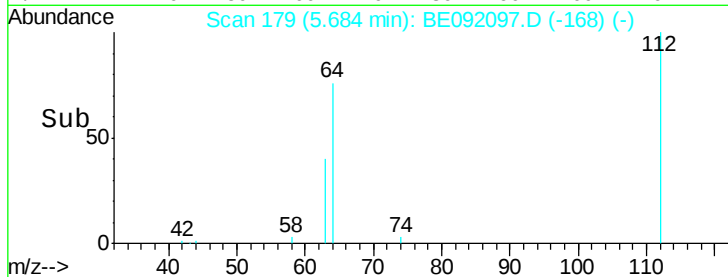
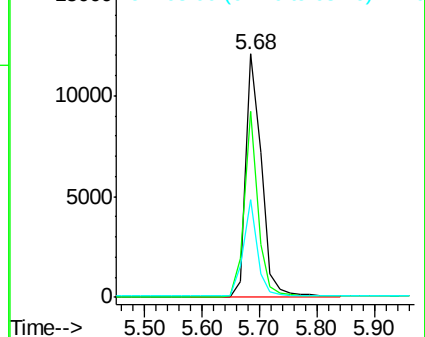
63 35.9 31.1 46.7



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: 5.14 ng

RT: 7.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

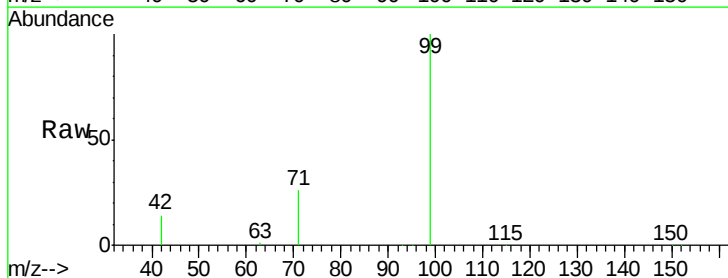
Tgt Ion: 99 Resp: 25883

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

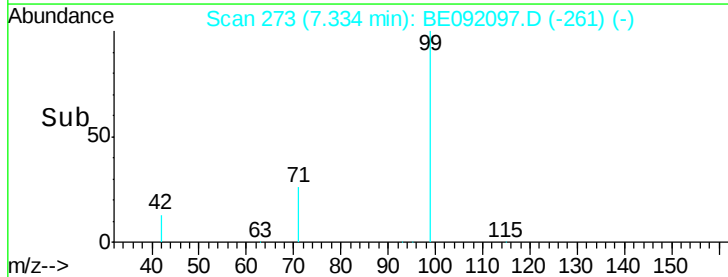
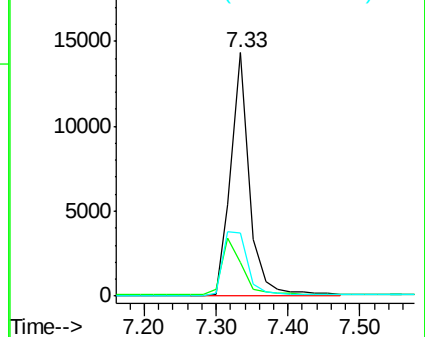
71 35.1 28.9 43.3

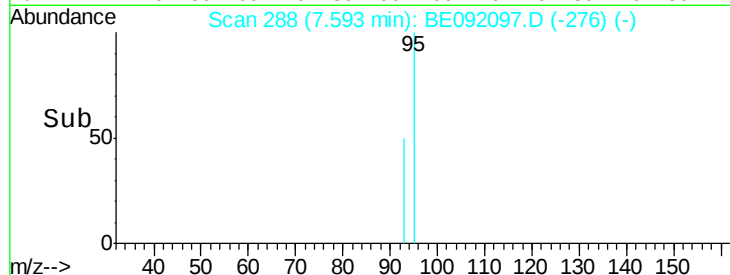
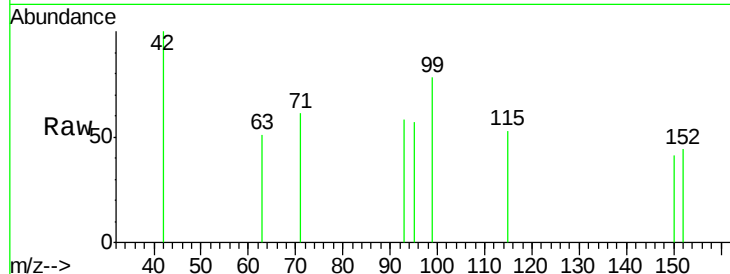
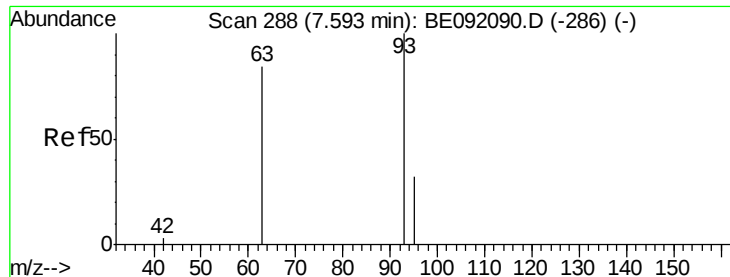


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.00 ng

RT: 7.59 min Scan# 288

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

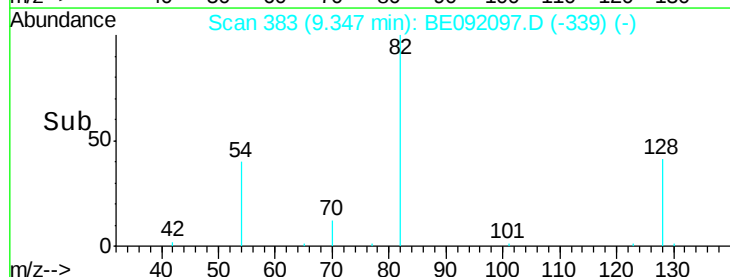
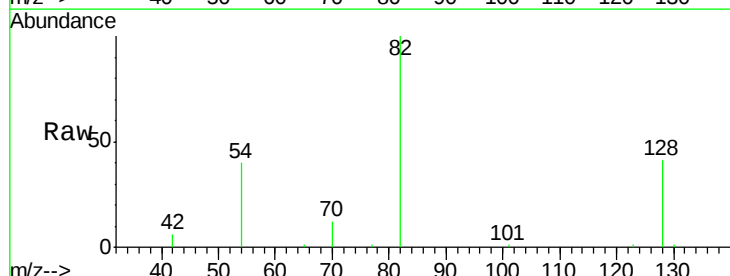
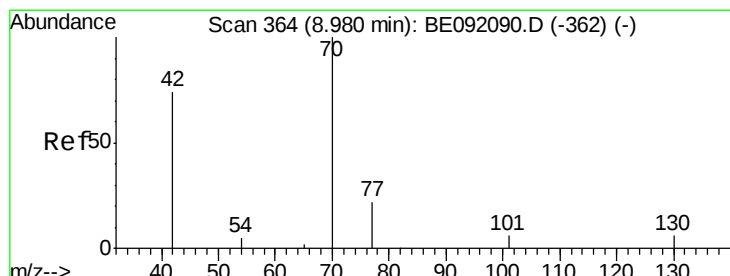
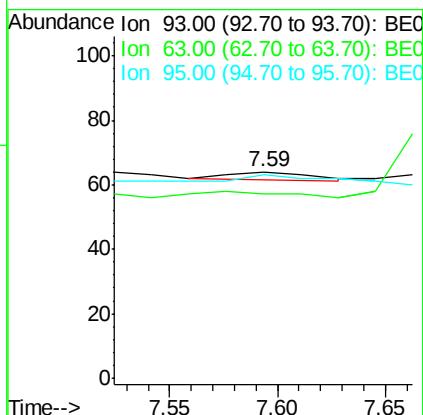
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 64.4 96.6#

95 66.7 25.8 38.8#



#7

n-Nitroso-di-n-propylamine

Concen: 0.45 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.37 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Tgt Ion: 70 Resp: 1769

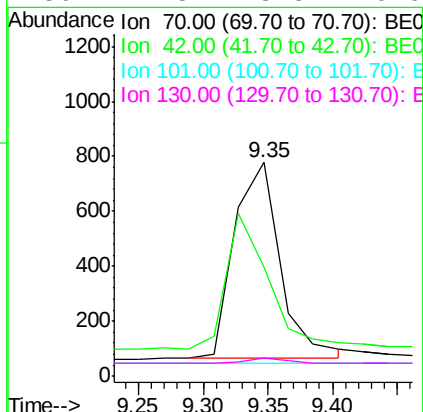
Ion Ratio Lower Upper

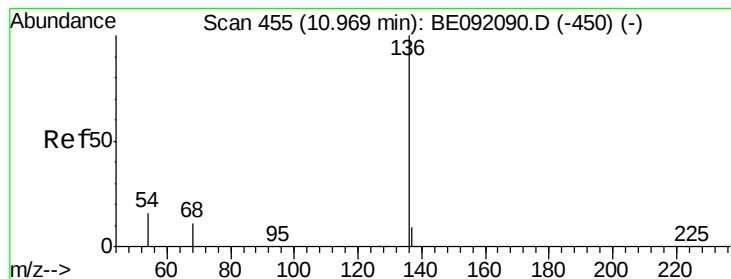
70 100

42 63.8 60.2 90.4

101 0.0 6.8 10.2#

130 1.8 13.3 19.9#





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

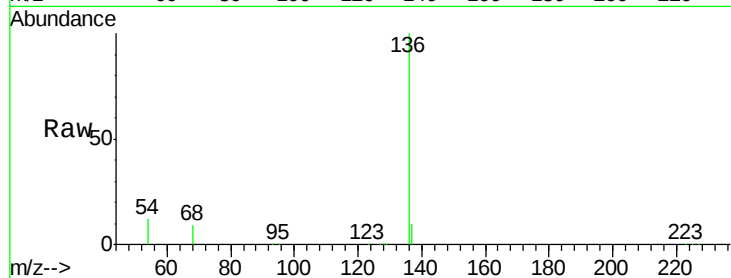
Instrument :

BNA\_E

ClientSampleId :

PB92309BL

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 56713    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.0  | 9.1 13.7 |
| 54          | 12.1  | 2.7 4.1# |
| 68          | 8.6   | 2.2 3.4# |

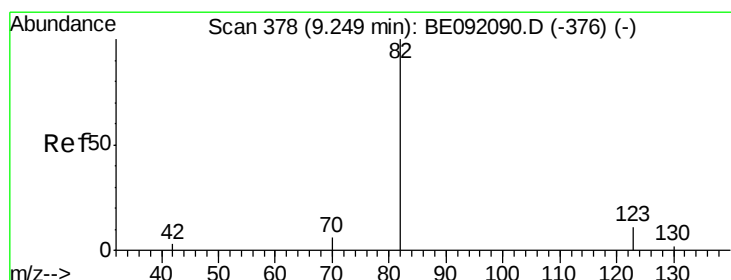
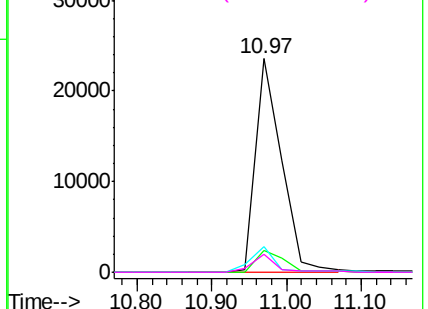
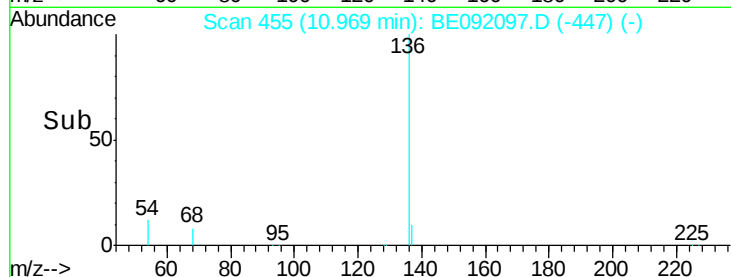


Abundance Ion 136.00 (135.70 to 136.70): E

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



#9

Nitrobenzene-d5

Concen: 3.15 ng

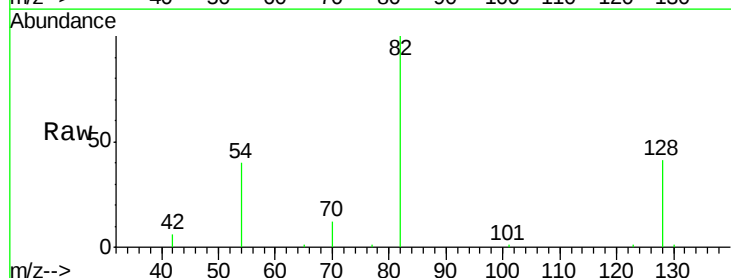
RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

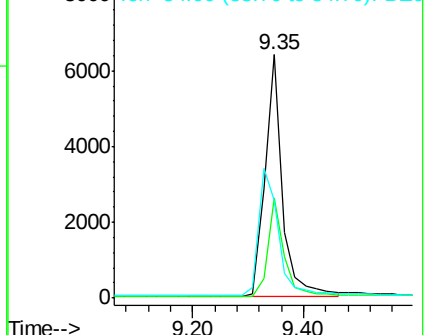
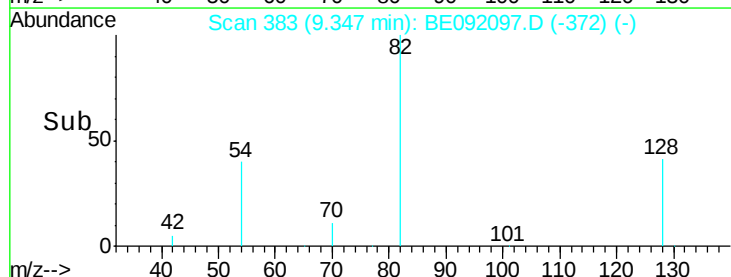
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 13925      |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 41.1  | 33.0 49.4  |
| 54          | 40.3  | 42.6 63.8# |

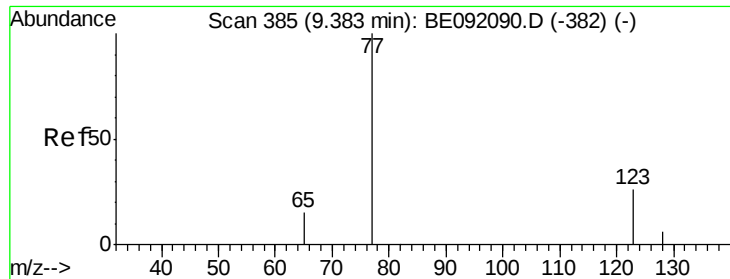


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Nitrobenzene

Concen: 0.02 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.04 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampled :

PB92309BL

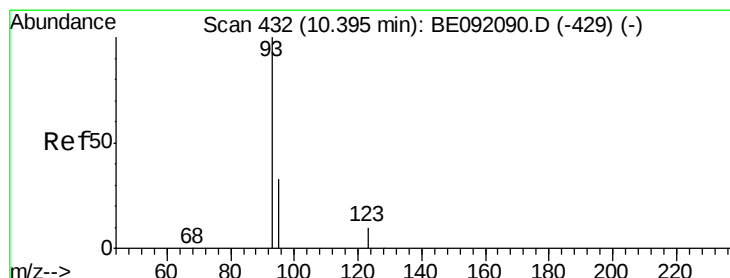
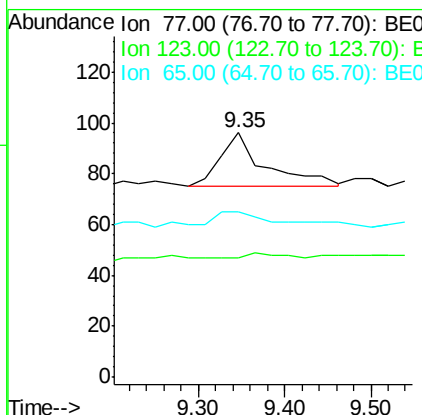
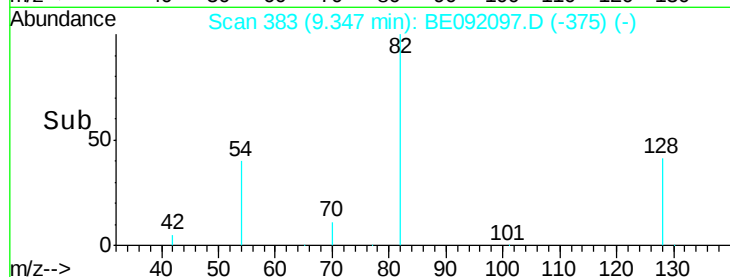
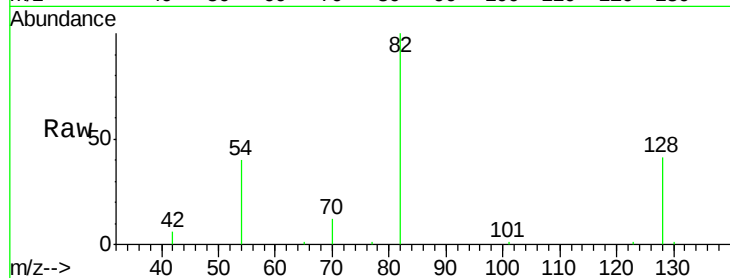
Tgt Ion: 77 Resp: 75

Ion Ratio Lower Upper

77 100

123 6.7 29.9 44.9#

65 0.0 11.4 17.0#



#11

bis(2-Chloroethoxy)methane

Concen: 0.00 ng

RT: 10.12 min Scan# 421

Delta R.T. -0.27 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

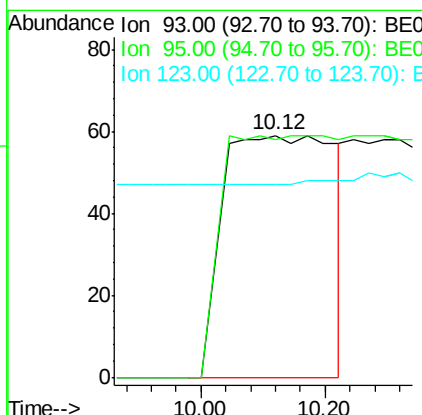
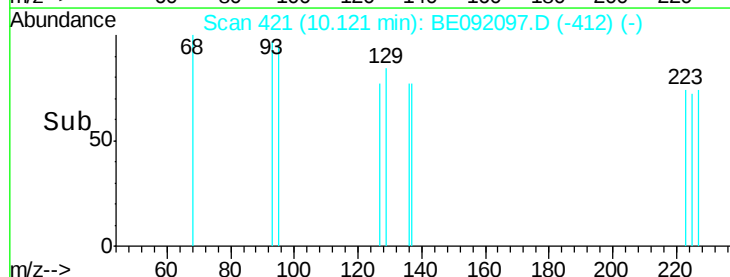
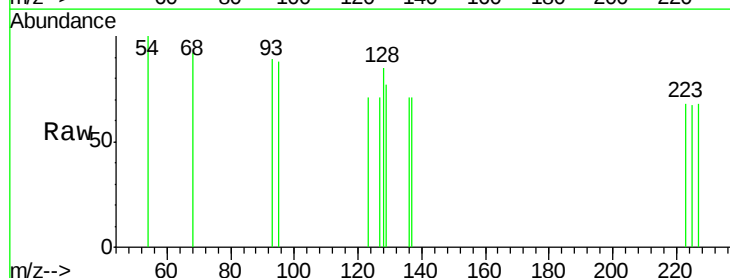
Tgt Ion: 93 Resp: 739

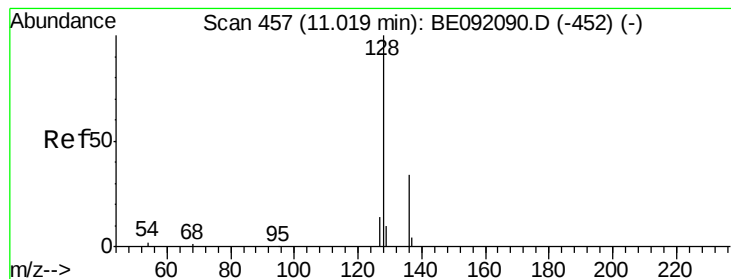
Ion Ratio Lower Upper

93 100

95 0.0 25.0 37.6#

123 0.0 7.8 11.8#





#12

Naphthalene

Concen: 0.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

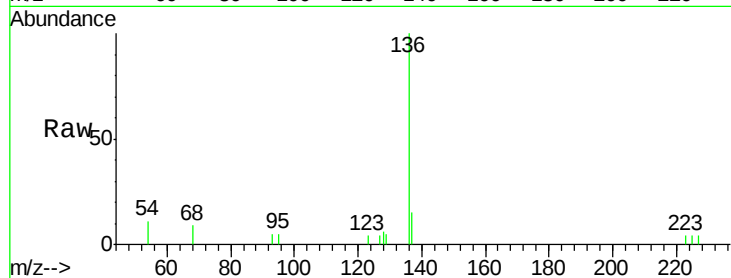
Tgt Ion:128 Resp: 37

Ion Ratio Lower Upper

128 100

129 75.4 11.1 16.7#

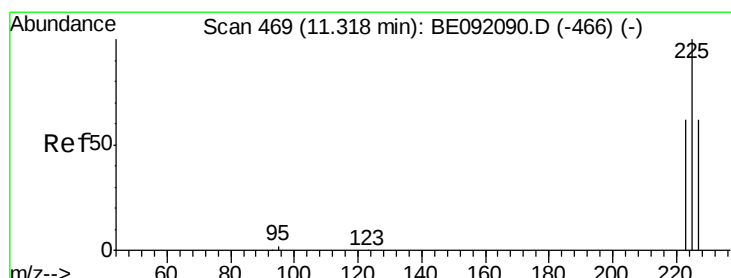
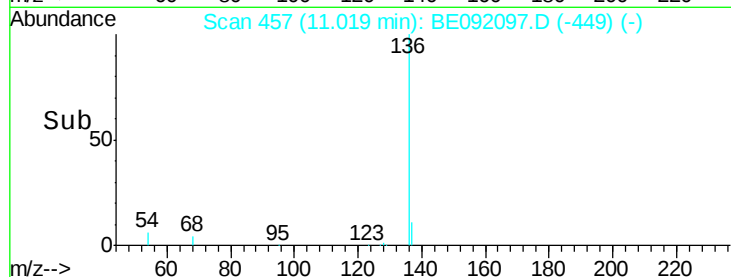
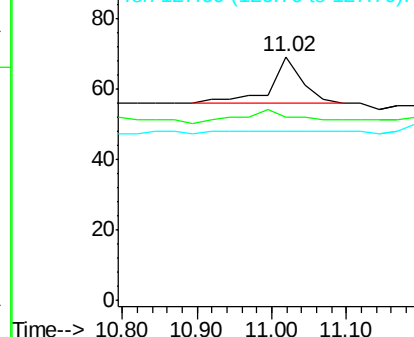
127 69.6 11.3 16.9#



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



#13

Hexachlorobutadiene

Concen: 0.00 ng

RT: 11.32 min Scan# 469

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

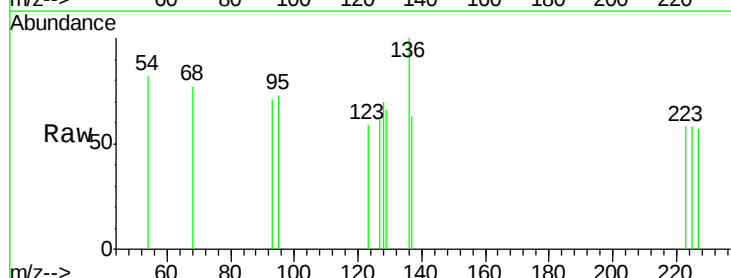
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 175.0 51.9 77.9#

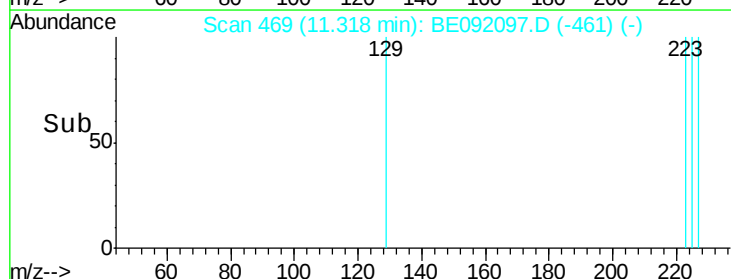
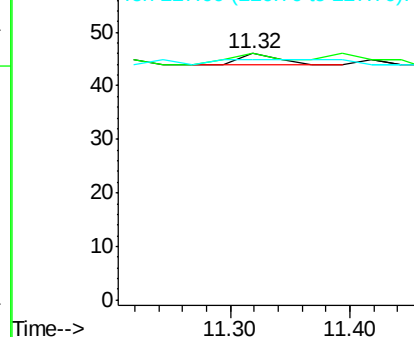
227 0.0 0.0 0.0

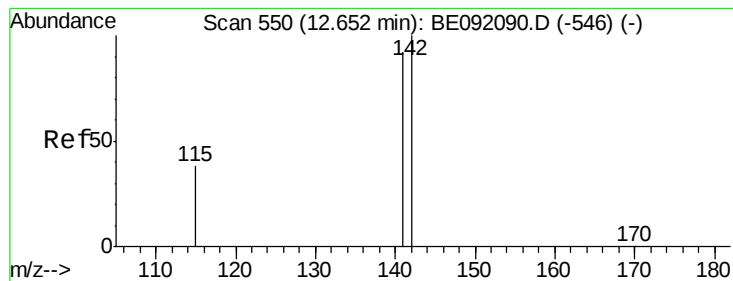


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#14

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.66 min Scan# 551

Delta R.T. 0.01 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

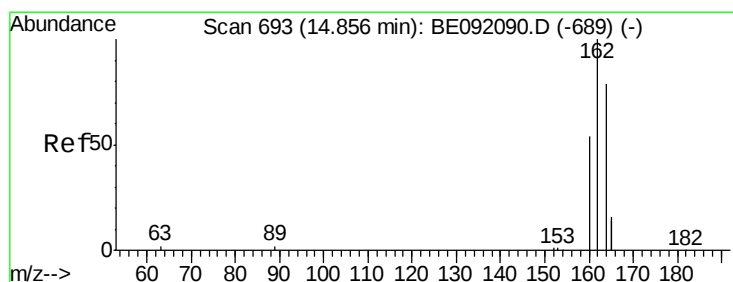
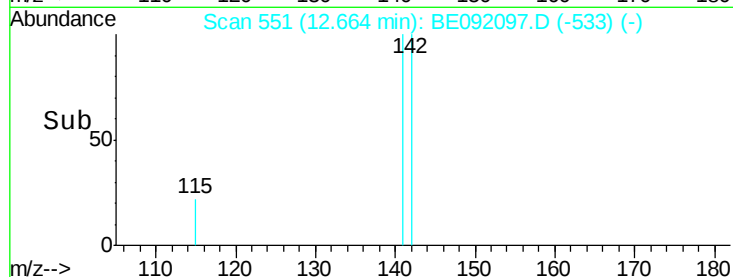
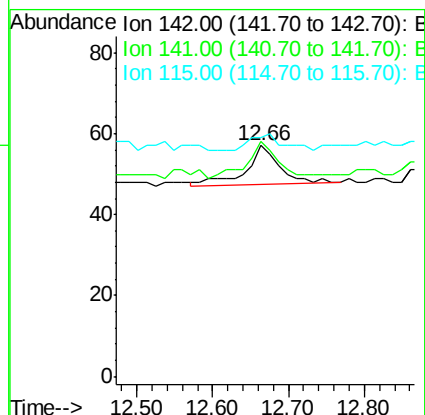
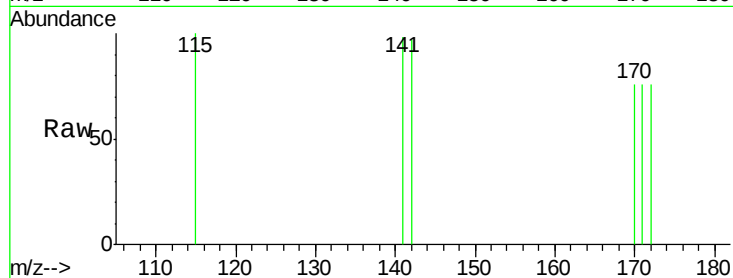
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

141 101.8 65.1 97.7#

115 103.5 27.0 40.4#



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

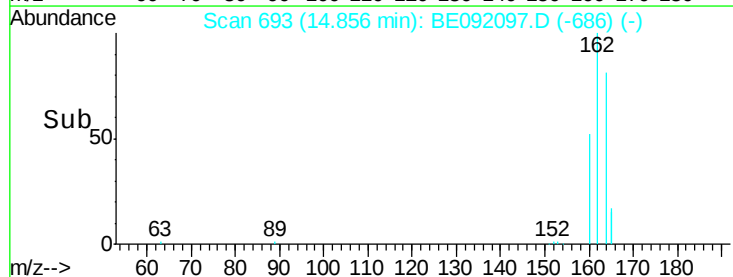
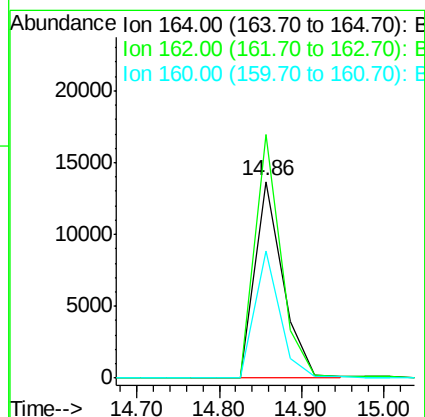
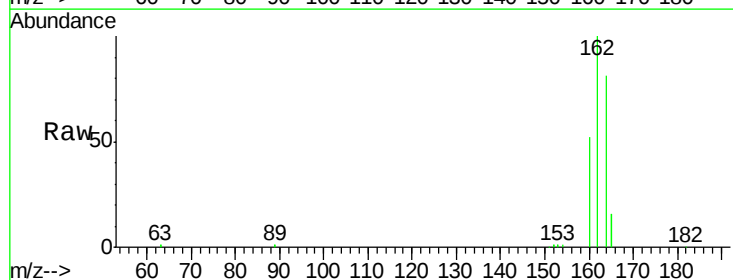
Tgt Ion:164 Resp: 32145

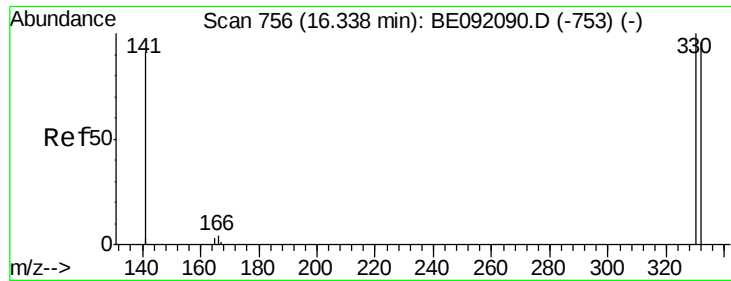
Ion Ratio Lower Upper

164 100

162 124.0 69.5 104.3#

160 64.9 27.6 41.4#

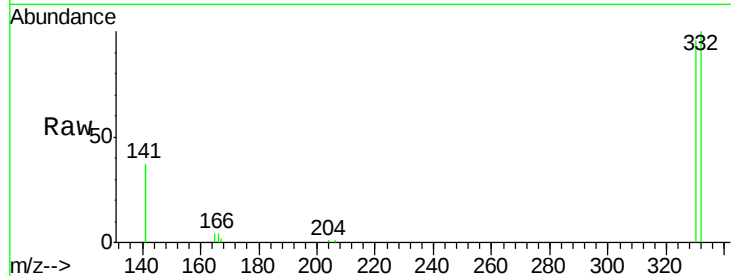




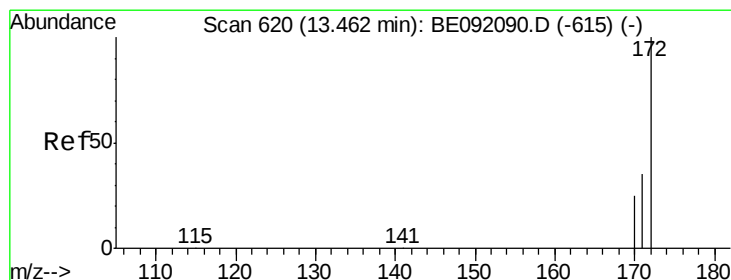
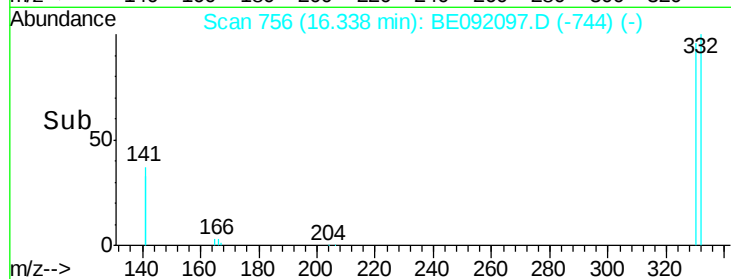
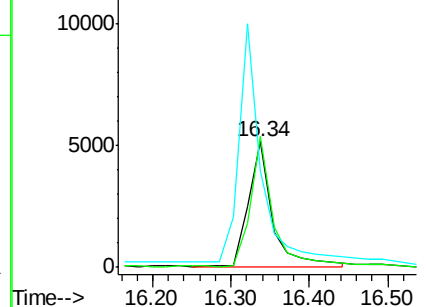
#16  
 2,4,6-Tribromophenol  
 Concen: 5.06 ng  
 RT: 16.34 min Scan# 756  
 Delta R.T. 0.00 min  
 Lab File: BE092097.D  
 Acq: 1 Aug 2016 18:23

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB92309BL

Tgt Ion:330 Resp: 10737  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 74.2 111.4  
 141 176.3 139.8 209.8

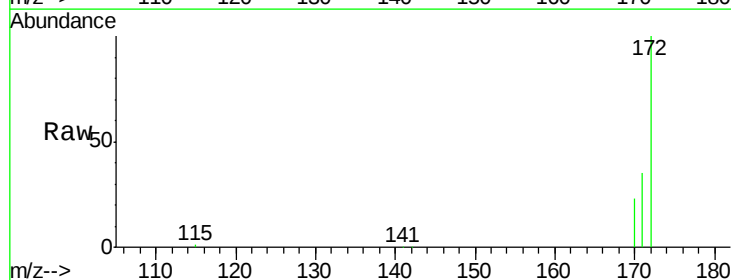


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

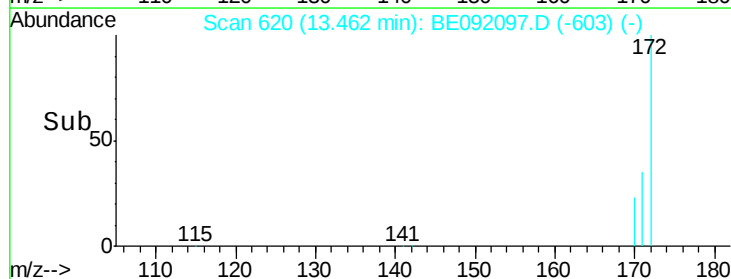
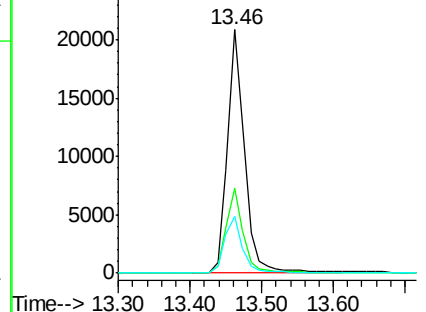


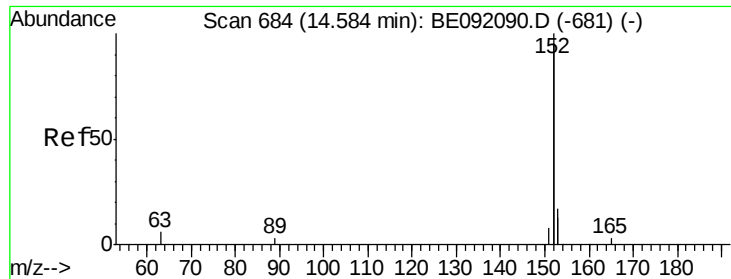
#17  
 2-Fluorobiphenyl  
 Concen: 2.78 ng  
 RT: 13.46 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BE092097.D  
 Acq: 1 Aug 2016 18:23

Tgt Ion:172 Resp: 34588  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 30.3 45.5  
 170 23.2 21.6 32.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#18

Acenaphthylene

Concen: 0.00 ng

RT: 14.58 min Scan# 684

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

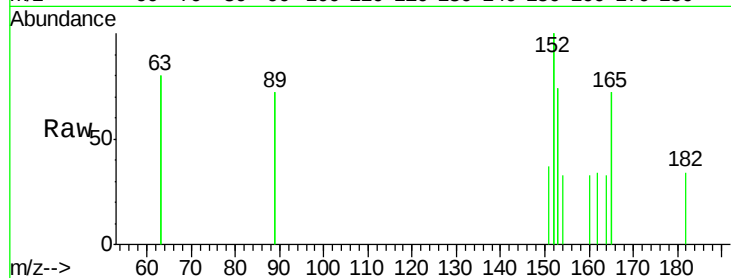
Tgt Ion:152 Resp: 174

Ion Ratio Lower Upper

152 100

151 11.5 4.0 6.0#

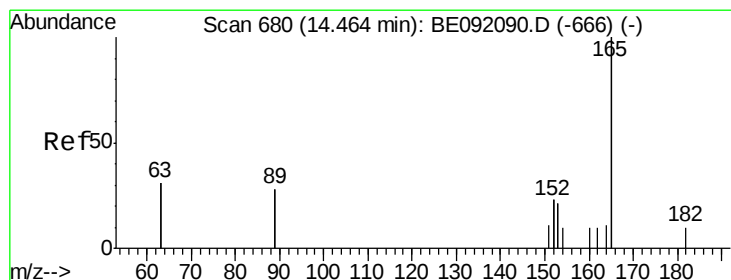
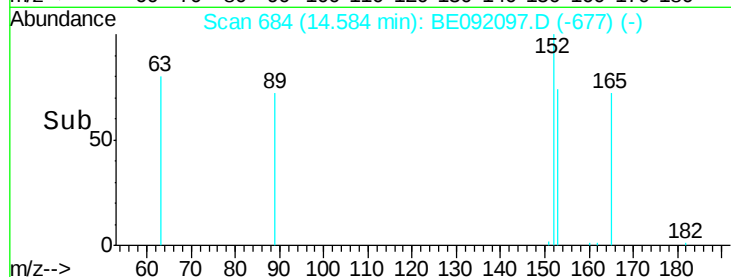
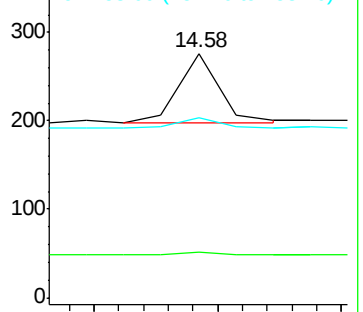
153 16.7 9.6 14.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

2,6-Dinitrotoluene

Concen: 0.33 ng

RT: 14.16 min Scan# 670

Delta R.T. -0.30 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

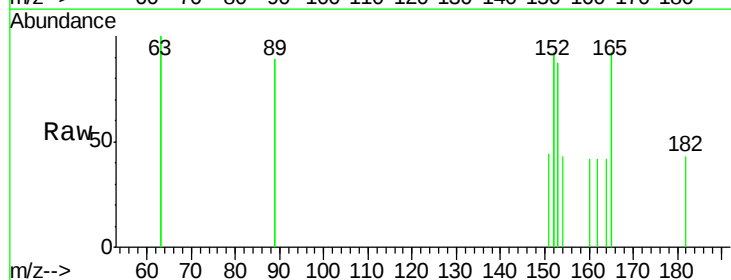
Tgt Ion:165 Resp: 2735

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

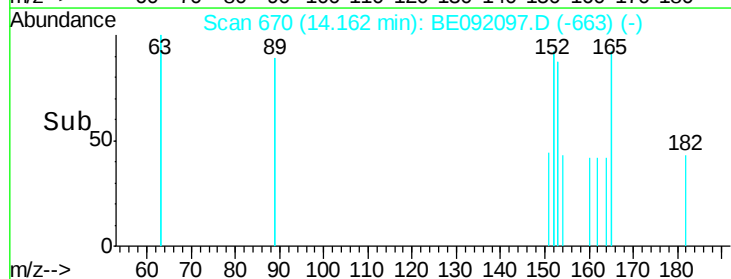
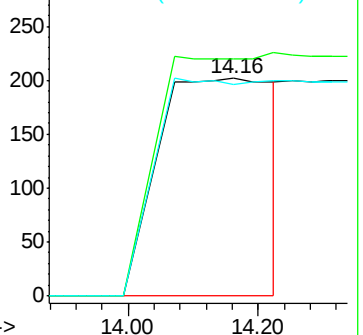
89 0.0 0.0 0.0

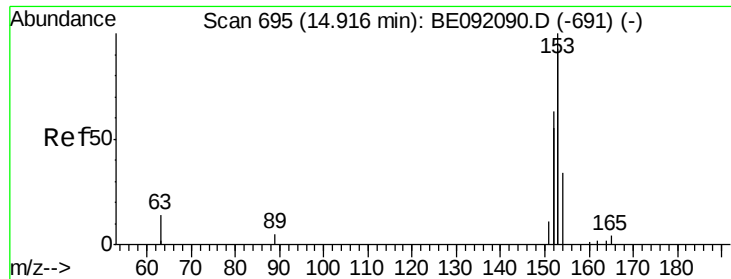


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0





#20

Acenaphthene

Concen: 0.02 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.06 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

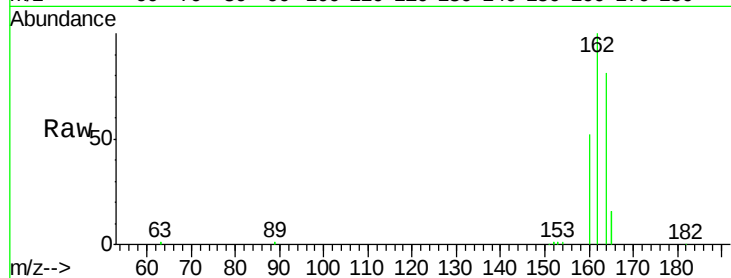
Tgt Ion:154 Resp: 190

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

152 0.0 0.0 0.0

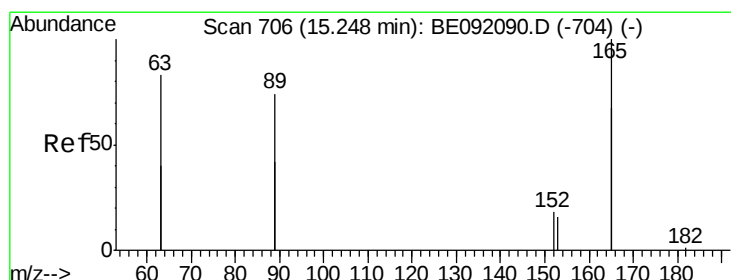
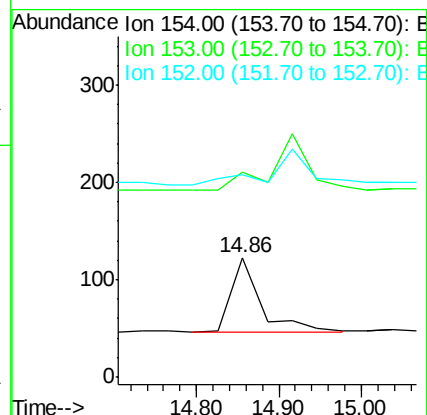
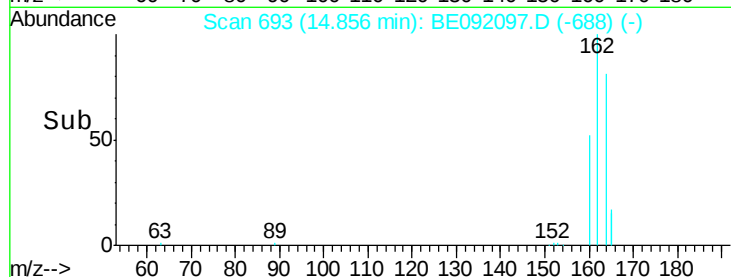


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#21

2,4-Dinitrotoluene

Concen: 1.12 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.39 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Tgt Ion:165 Resp: 15374

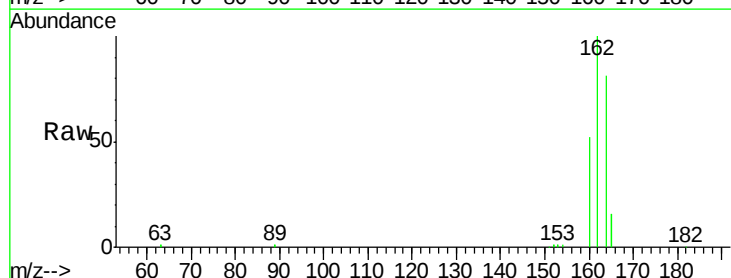
Ion Ratio Lower Upper

165 100

63 2.0 324.0 486.0#

89 2.6 308.4 462.6#

182 0.0 0.0 0.0



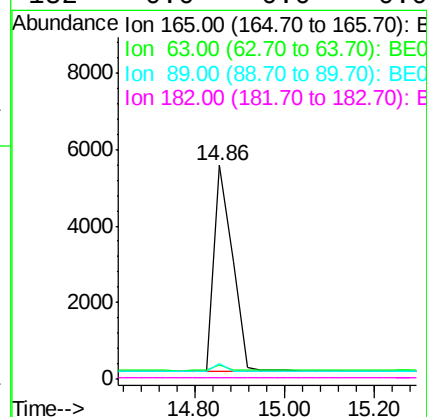
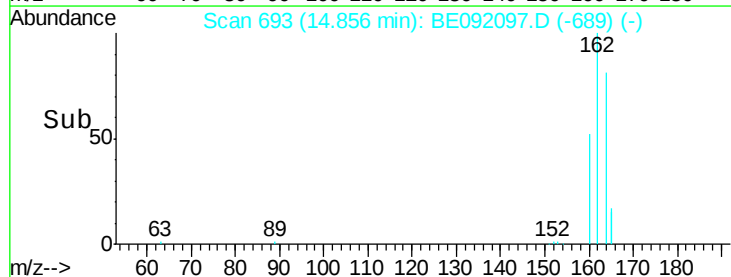
Abundance Ion 165.00 (164.70 to 165.70): E

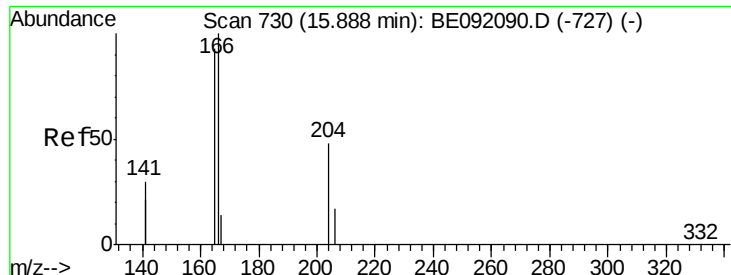
Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

Time-->





#22

Fluorene

Concen: 0.00 ng

RT: 15.89 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

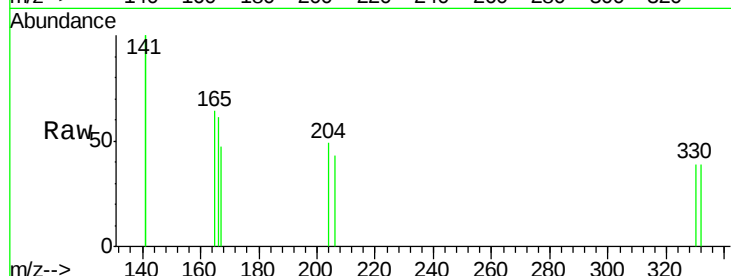
Tgt Ion:166 Resp: 37

Ion Ratio Lower Upper

166 100

165 140.5 78.6 118.0#

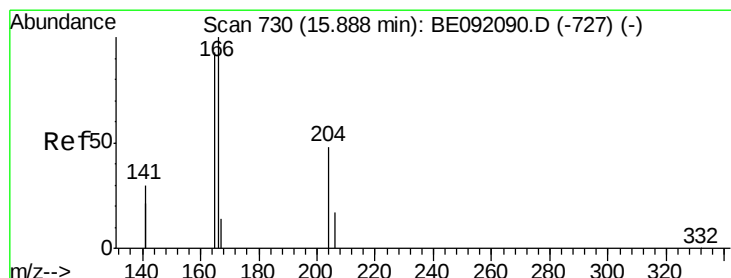
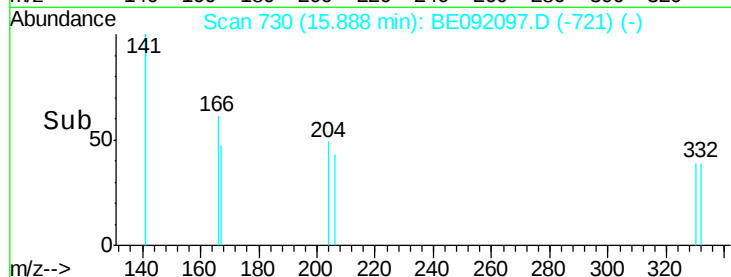
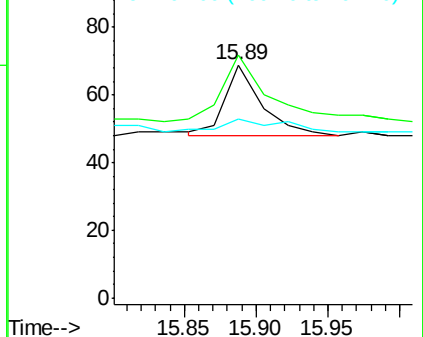
167 0.0 11.1 16.7#



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: 0.04 ng

RT: 15.77 min Scan# 723

Delta R.T. -0.12 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

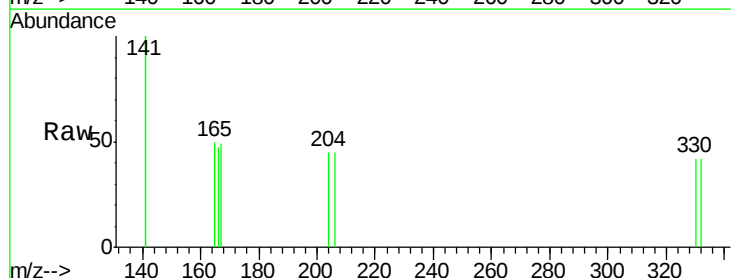
Tgt Ion:204 Resp: 285

Ion Ratio Lower Upper

204 100

206 153.7 27.0 40.4#

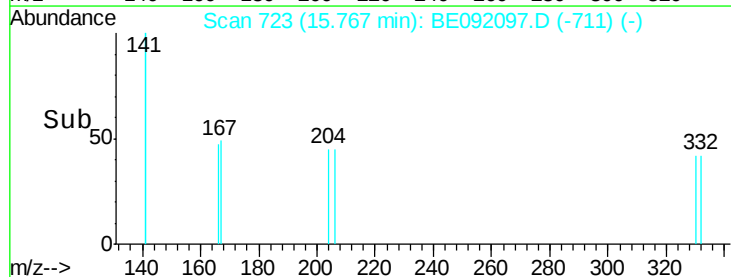
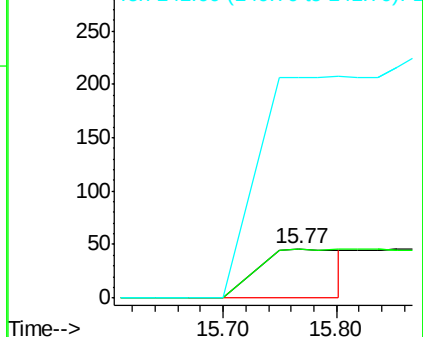
141 0.0 198.5 297.7#

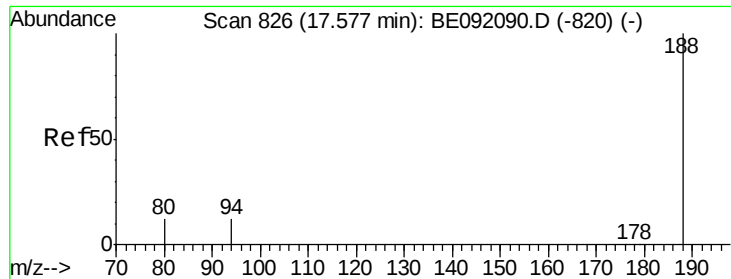


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

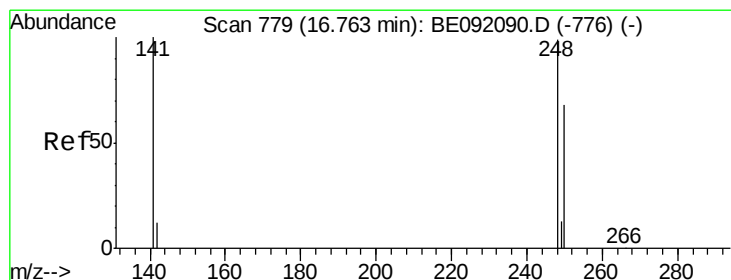
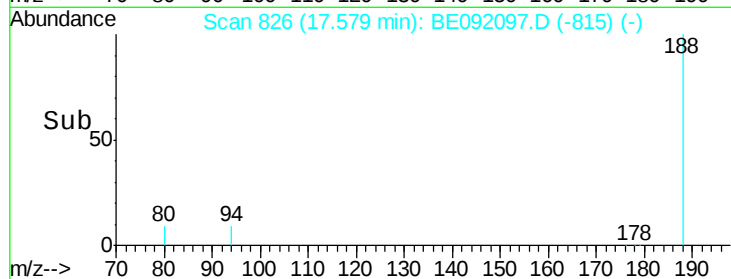
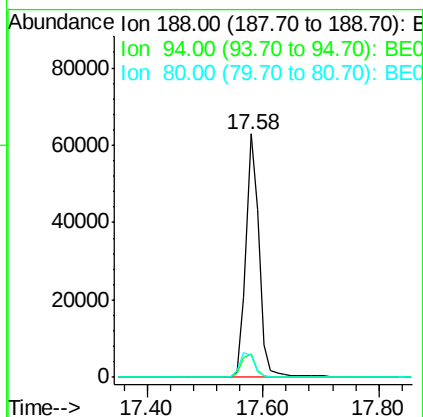
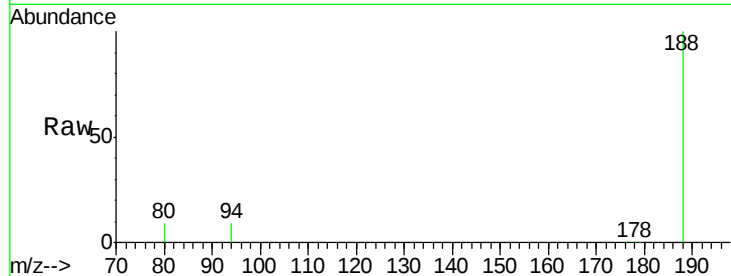




#24  
 Phenanthrene-d10  
 Concen: 5.00 ng  
 RT: 17.58 min Scan# 826  
 Delta R.T. 0.00 min  
 Lab File: BE092097.D  
 Acq: 1 Aug 2016 18:23

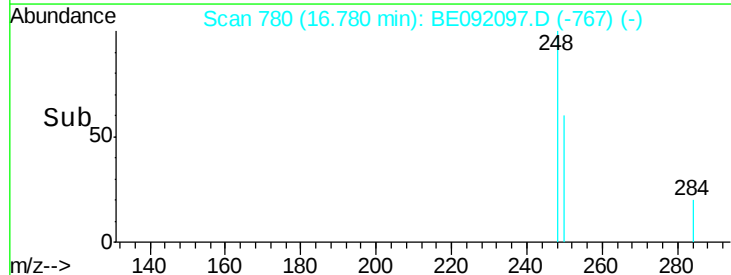
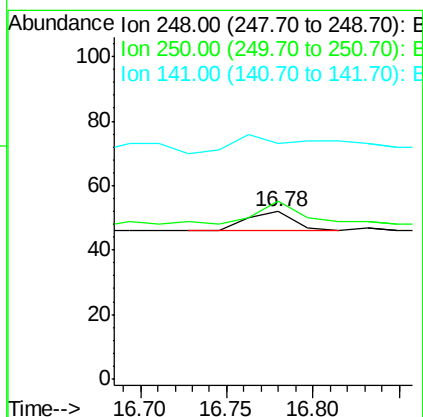
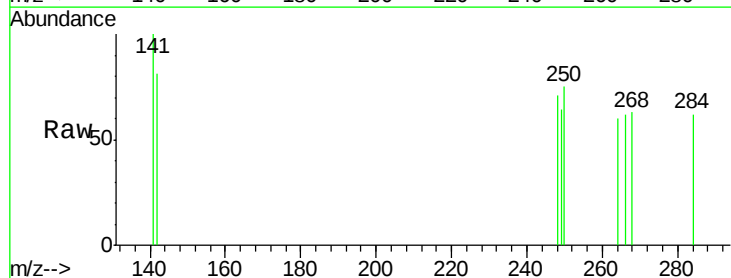
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB92309BL

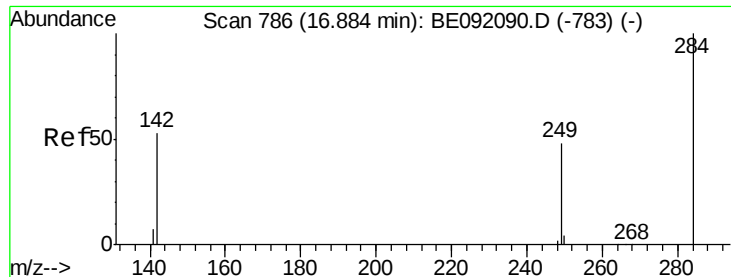
Tgt Ion:188 Resp: 116835  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 3.9 5.9#  
 80 9.2 3.4 5.0#



#25  
 4-Bromophenyl-phenylether  
 Concen: 0.00 ng  
 RT: 16.78 min Scan# 780  
 Delta R.T. 0.02 min  
 Lab File: BE092097.D  
 Acq: 1 Aug 2016 18:23

Tgt Ion:248 Resp: 11  
 Ion Ratio Lower Upper  
 248 100  
 250 136.4 79.6 119.4#  
 141 218.2 68.7 103.1#

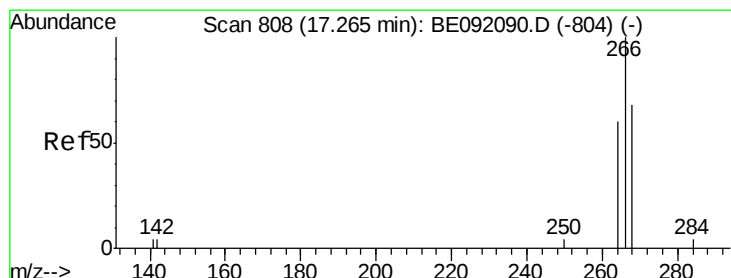
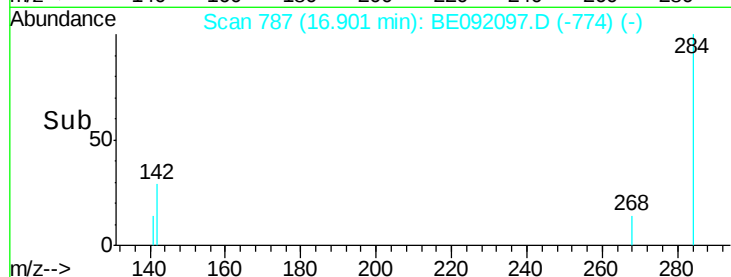
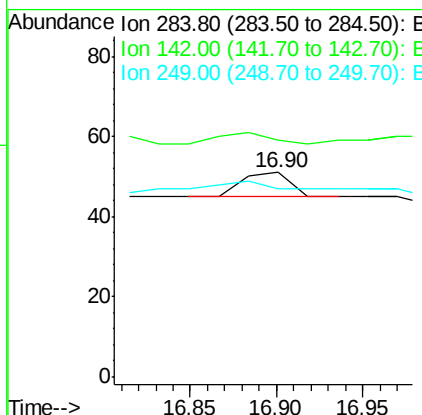
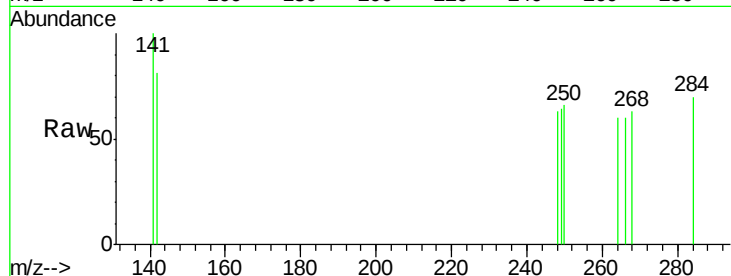




#26  
Hexachlorobenzene  
Concen: 0.00 ng  
RT: 16.90 min Scan# 787  
Delta R.T. 0.02 min  
Lab File: BE092097.D  
Acq: 1 Aug 2016 18:23

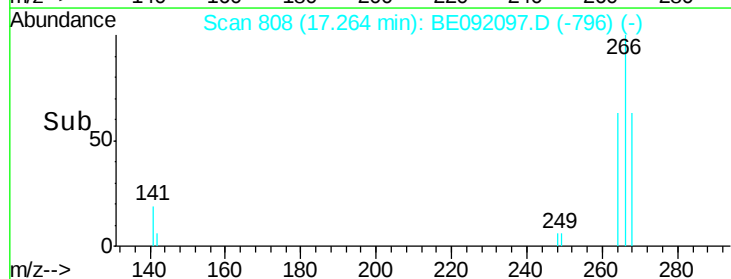
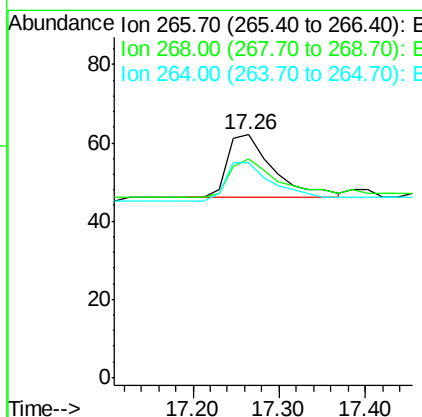
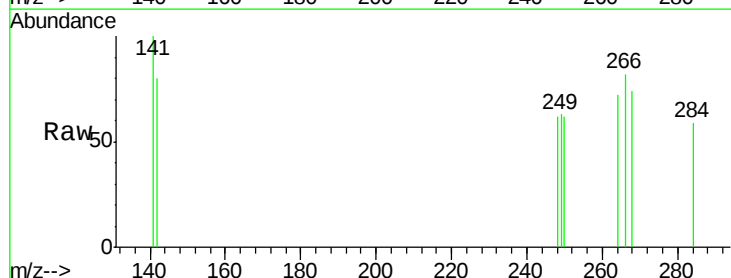
Instrument :  
BNA\_E  
ClientSampleId :  
PB92309BL

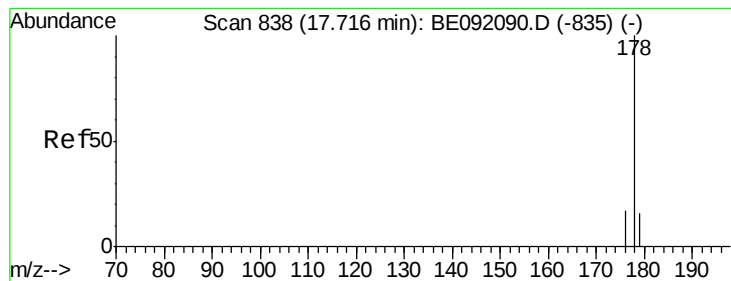
Tgt Ion: 284 Resp: 11  
Ion Ratio Lower Upper  
284 100  
142 72.7 33.3 49.9#  
249 81.8 25.4 38.0#



#27  
Pentachlorophenol  
Concen: 0.22 ng  
RT: 17.26 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BE092097.D  
Acq: 1 Aug 2016 18:23

Tgt Ion: 266 Resp: 59  
Ion Ratio Lower Upper  
266 100  
268 90.3 62.7 94.1  
264 88.7 63.5 95.3





#28

Phenanthrene

Concen: Below Cal

RT: 17.63 min Scan# 830

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

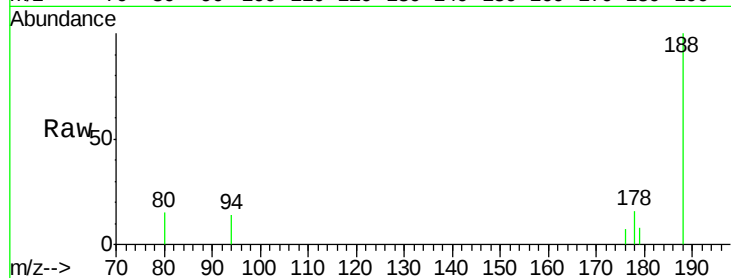
Tgt Ion:178 Resp: 971

Ion Ratio Lower Upper

178 100

176 11.4 15.4 23.0#

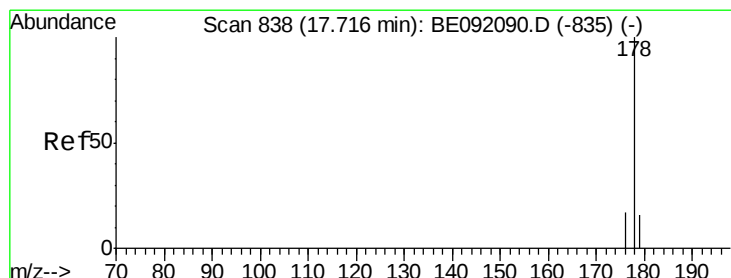
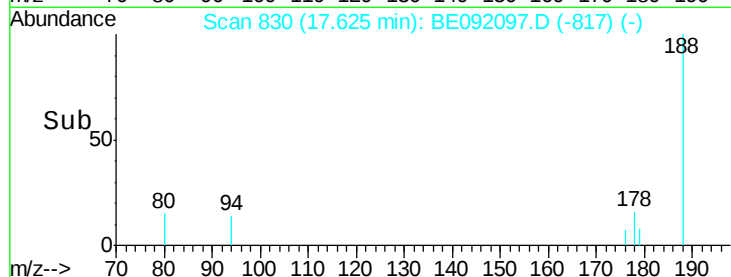
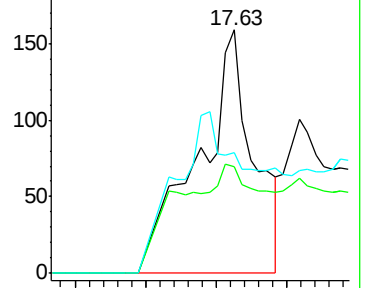
179 0.0 12.7 19.1#



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



#29

Anthracene

Concen: 0.00 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

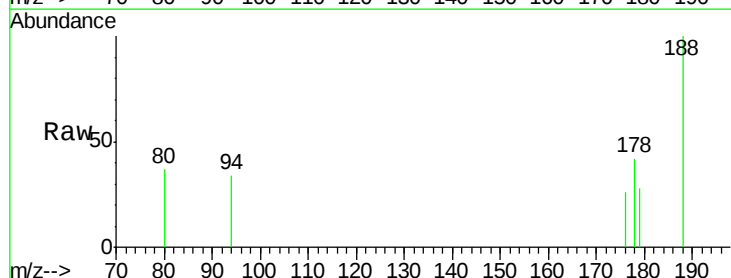
Tgt Ion:178 Resp: 110

Ion Ratio Lower Upper

178 100

176 23.6 15.2 22.8#

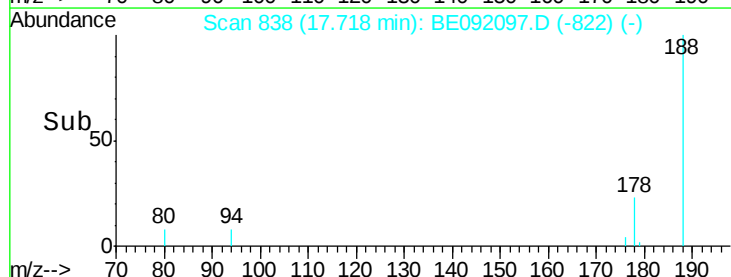
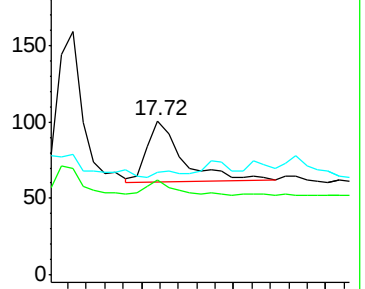
179 5.5 12.2 18.4#

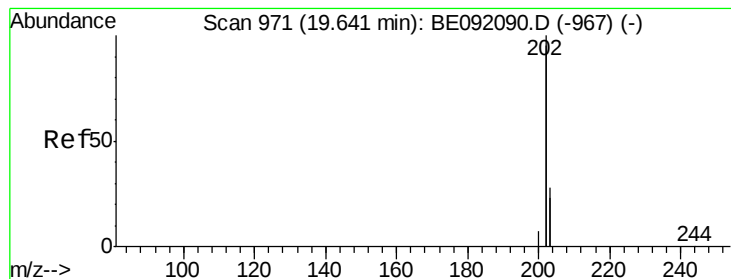


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#30

Fluoranthene

Concen: Below Cal

RT: 19.64 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampled :

PB92309BL

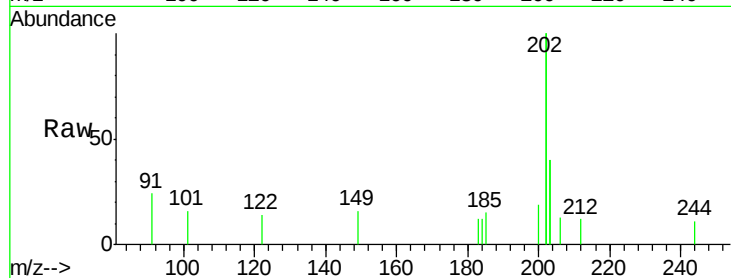
Tgt Ion:202 Resp: 1358

Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.2#

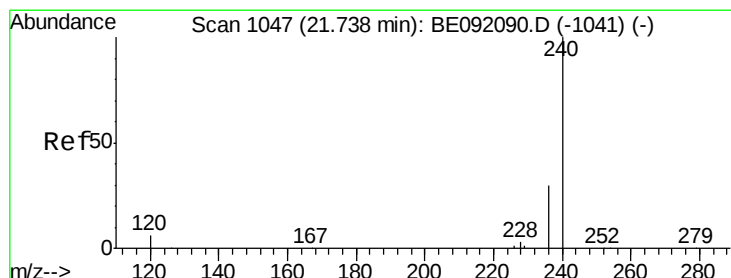
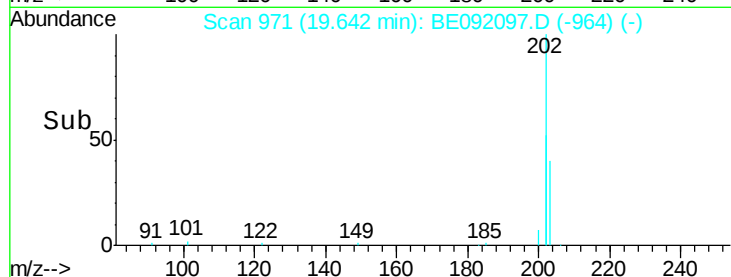
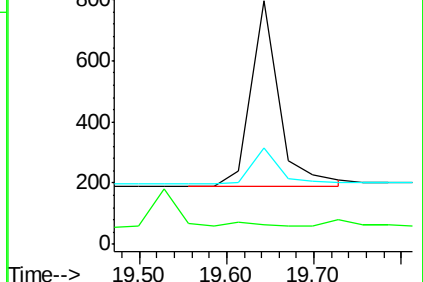
203 21.1 13.0 19.4#



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: 21.74 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

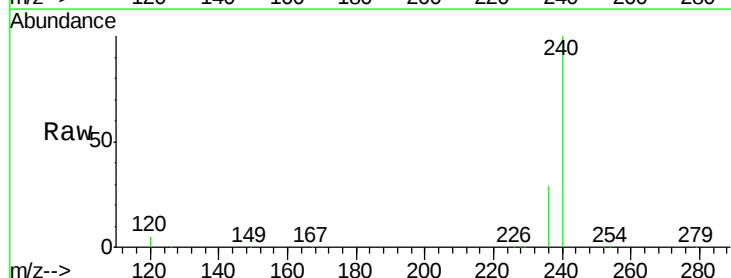
Tgt Ion:240 Resp: 134291

Ion Ratio Lower Upper

240 100

120 5.3 0.6 1.0#

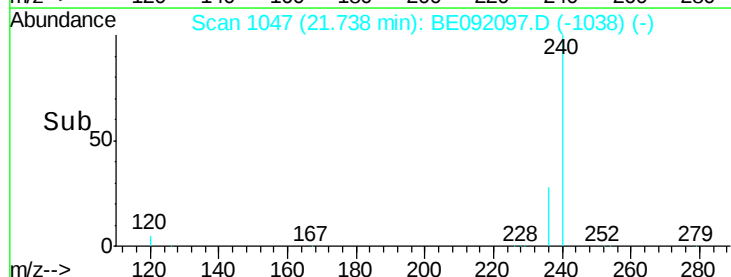
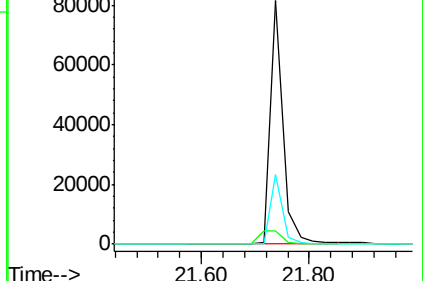
236 28.5 18.2 27.4#

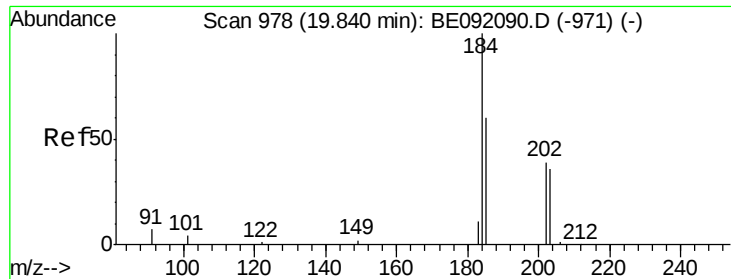


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#32

Benzidine

Concen: 0.45 ng

RT: 20.18 min Scan# 990

Delta R.T. 0.34 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

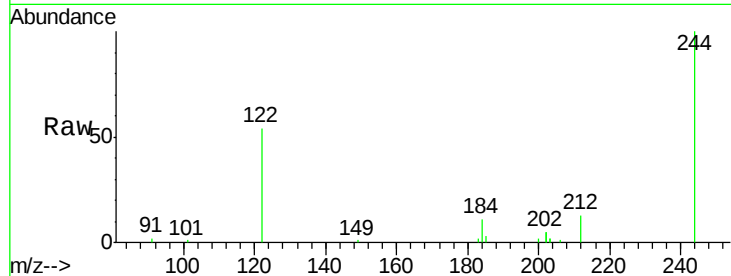
Tgt Ion:184 Resp: 1608

Ion Ratio Lower Upper

184 100

185 24.1 23.8 35.6

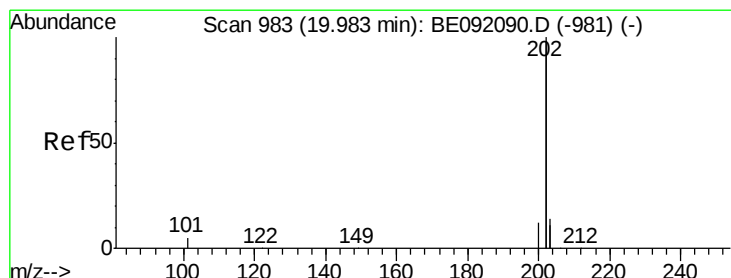
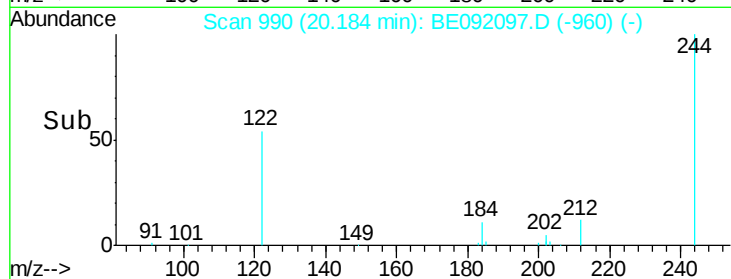
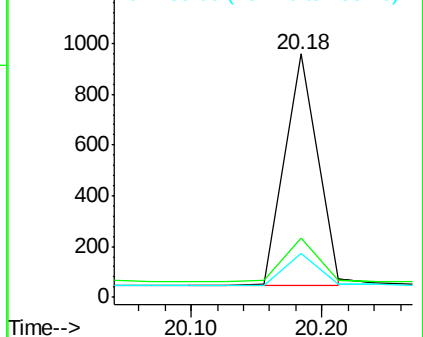
183 18.0 20.7 31.1#



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



#33

Pyrene

Concen: 0.01 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

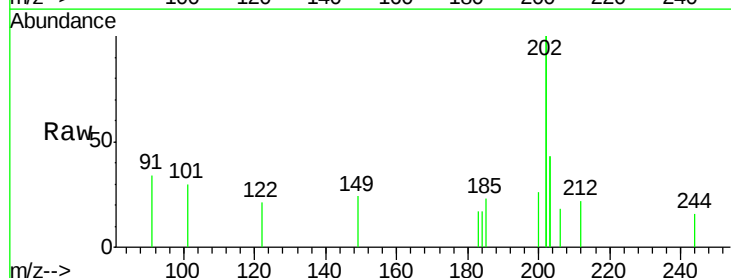
Tgt Ion:202 Resp: 1194

Ion Ratio Lower Upper

202 100

200 6.9 4.4 6.6#

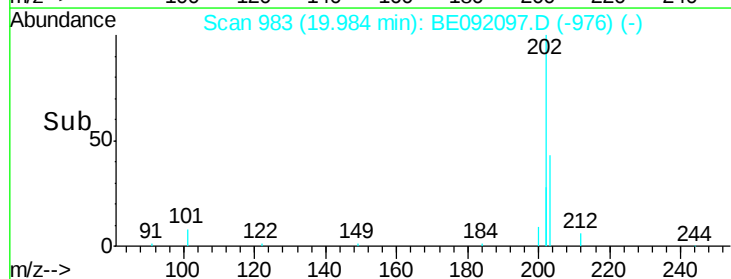
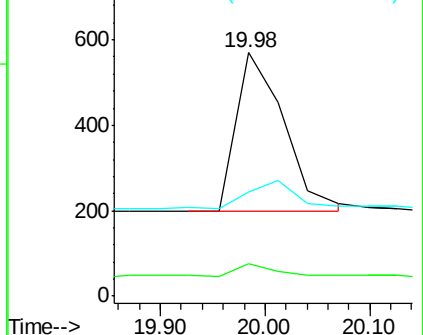
203 0.0 13.4 20.0#

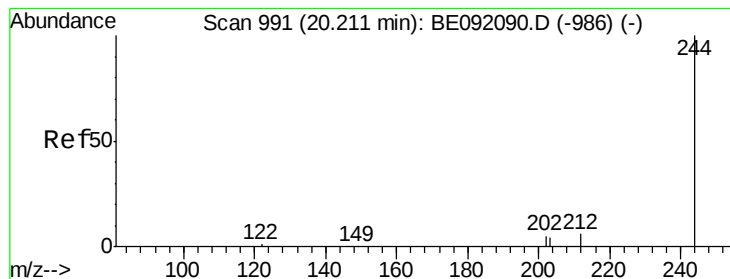


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#34

Terphenyl-d14

Concen: 3.18 ng

RT: 20.21 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

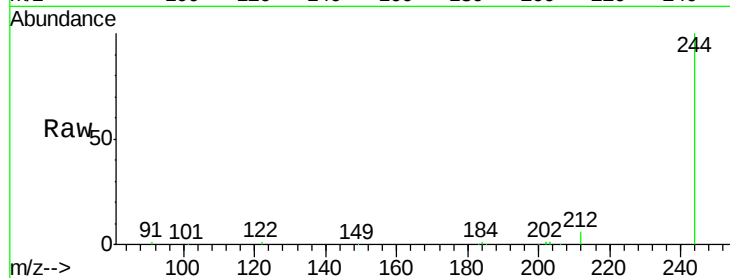
Tgt Ion:244 Resp: 41899

Ion Ratio Lower Upper

244 100

212 6.3 9.1 13.7#

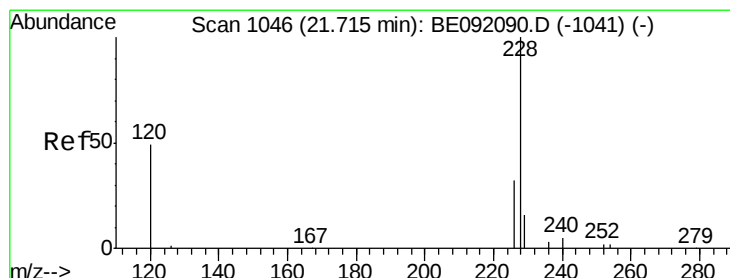
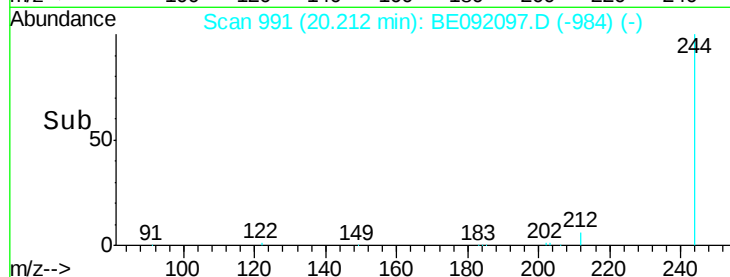
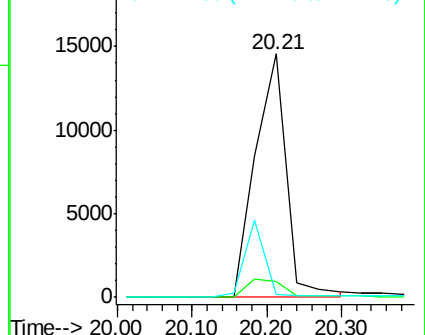
122 1.2 11.0 16.4#



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



#35

Benzo(a)anthracene

Concen: Below Cal

RT: 21.74 min Scan# 1047

Delta R.T. 0.02 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

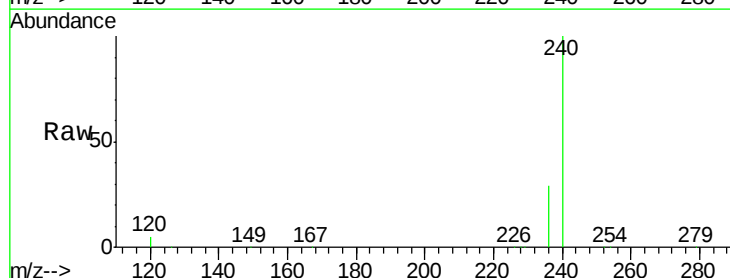
Tgt Ion:228 Resp: 1678

Ion Ratio Lower Upper

228 100

226 23.8 22.1 33.1

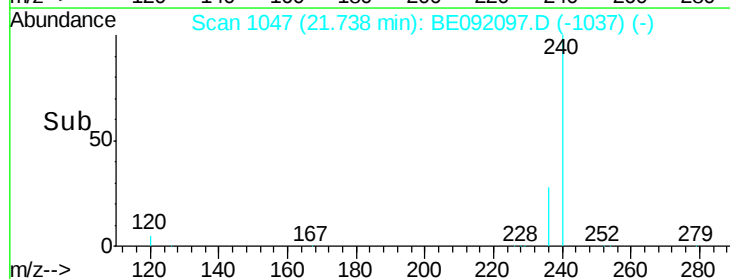
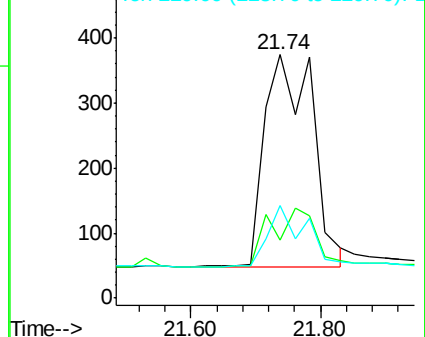
229 38.0 15.1 22.7#

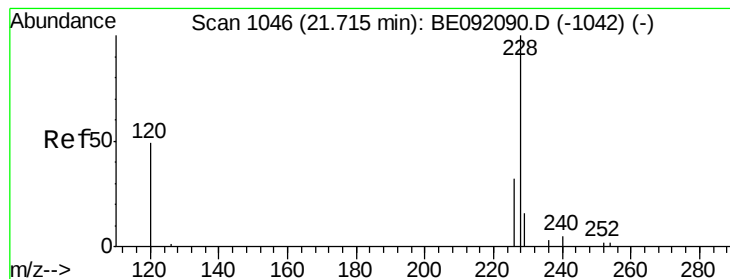


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#37

Chrysene

Concen: 0.05 ng

RT: 21.74 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

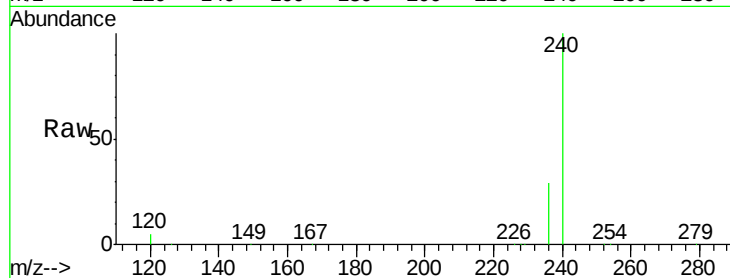
Tgt Ion:228 Resp: 1722

Ion Ratio Lower Upper

228 100

226 23.8 22.3 33.5

229 38.0 16.9 25.3#

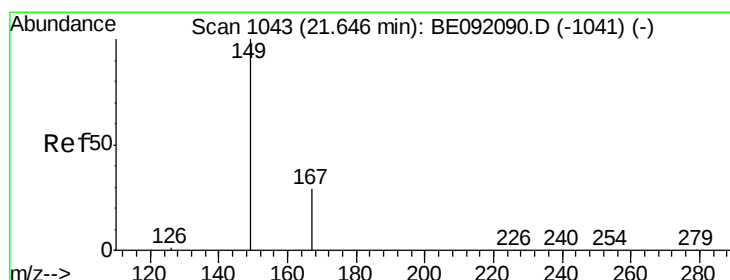
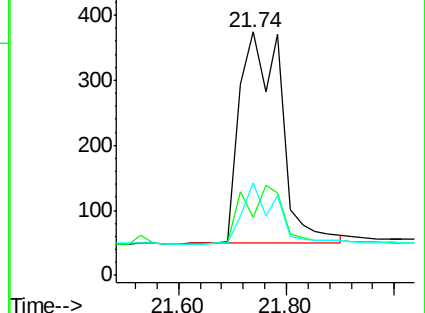
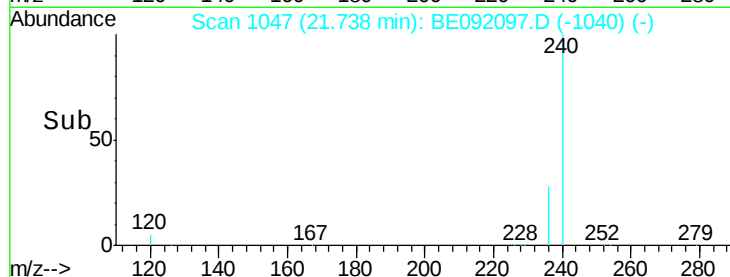


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#38

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.65 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

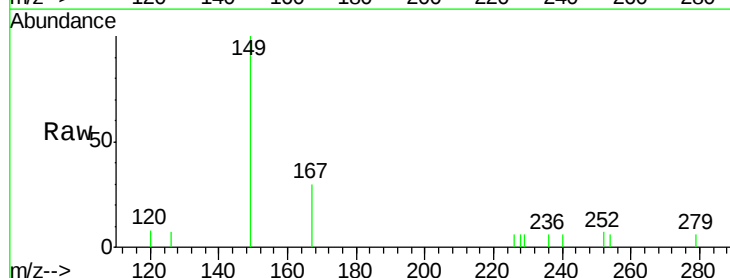
Tgt Ion:149 Resp: 1202

Ion Ratio Lower Upper

149 100

167 24.0 3.8 5.6#

279 0.0 0.0 0.0

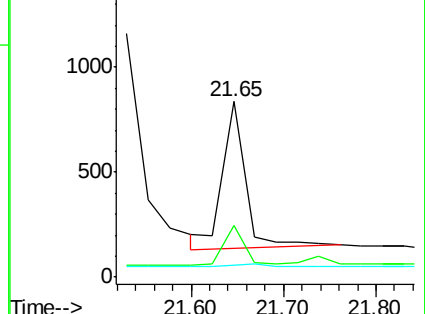
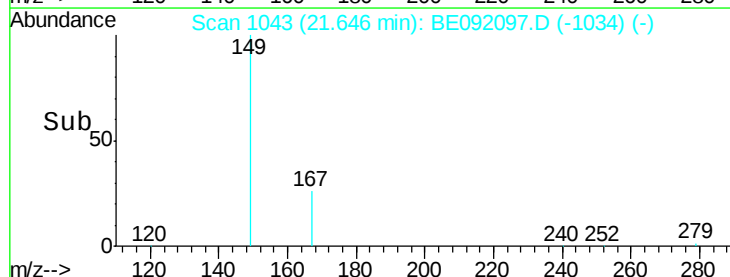


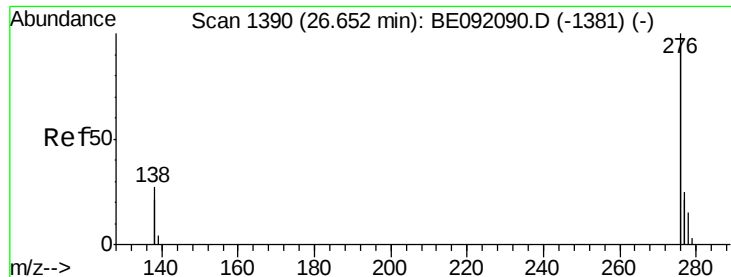
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 26.69 min Scan# 1392

Delta R.T. 0.03 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

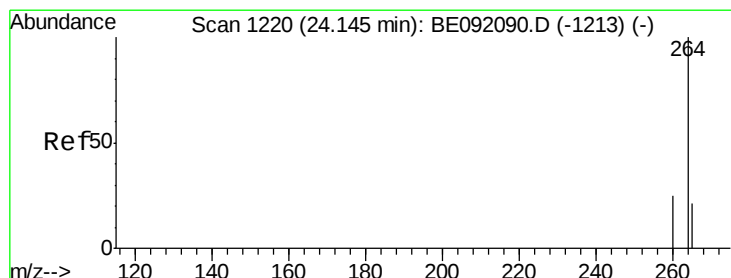
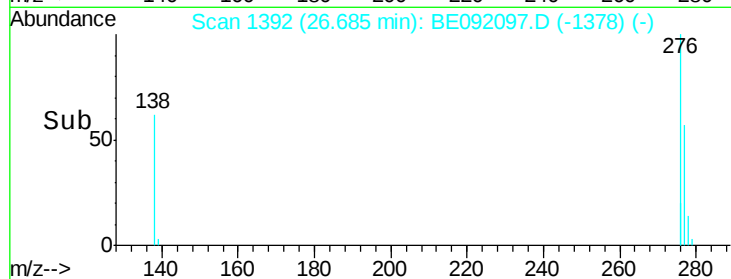
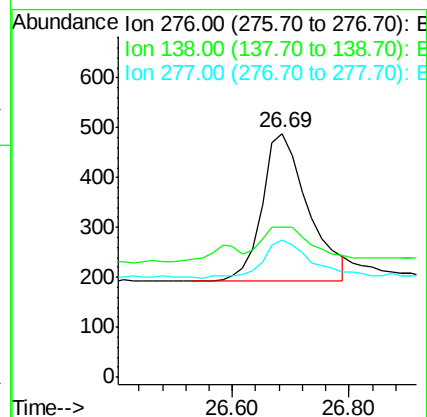
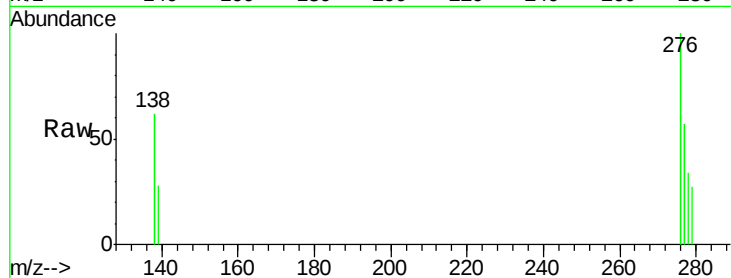
Tgt Ion: 276 Resp: 1628

Ion Ratio Lower Upper

276 100

138 20.1 21.2 31.8#

277 26.7 19.8 29.8



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

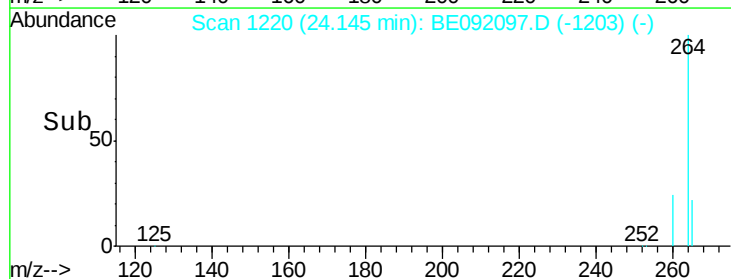
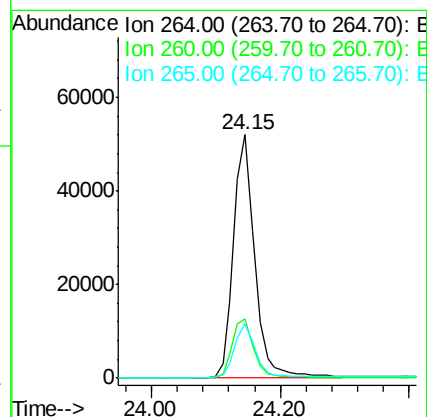
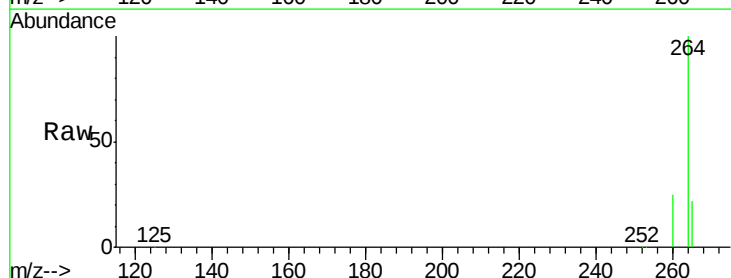
Tgt Ion: 264 Resp: 118233

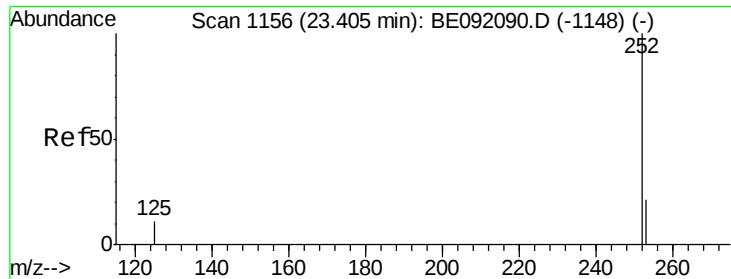
Ion Ratio Lower Upper

264 100

260 24.5 20.8 31.2

265 22.0 16.6 25.0





#41

Benzo(b)fluoranthene

Concen: Below Cal

RT: 23.42 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

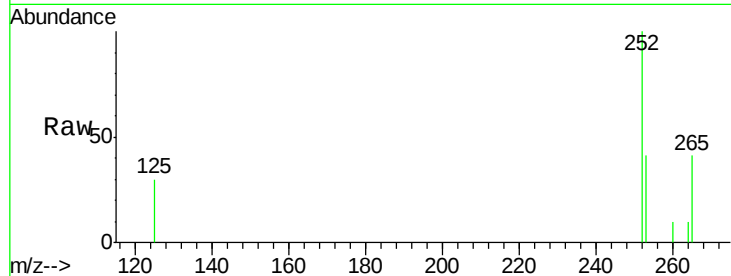
Tgt Ion:252 Resp: 944

Ion Ratio Lower Upper

252 100

253 41.0 17.4 26.0#

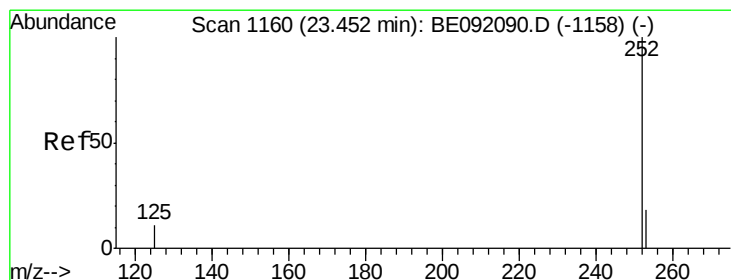
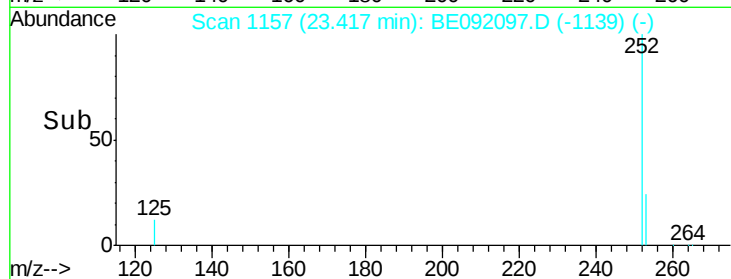
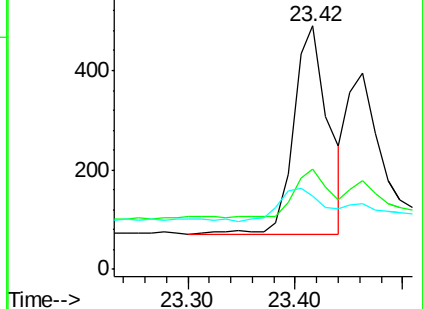
125 30.0 10.2 15.2#



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: 0.02 ng

RT: 23.46 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

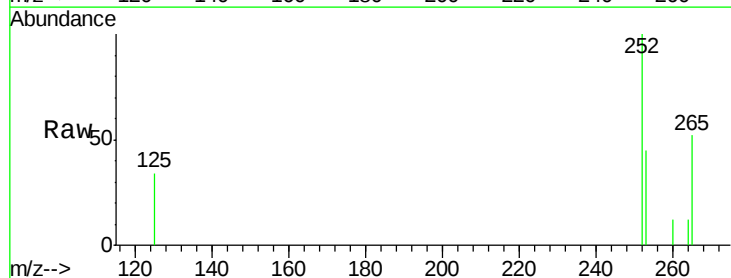
Tgt Ion:252 Resp: 736

Ion Ratio Lower Upper

252 100

253 45.2 19.4 29.0#

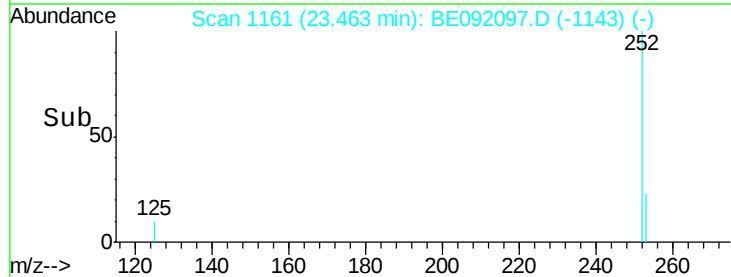
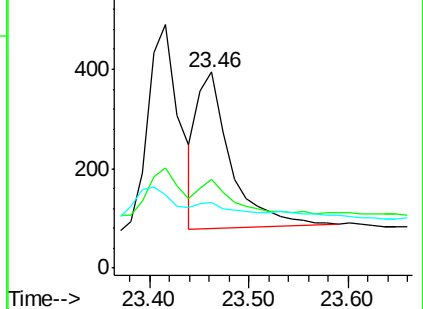
125 33.5 8.9 13.3#

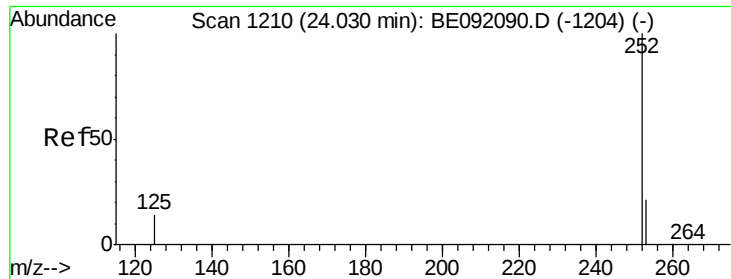


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.01 ng

RT: 24.03 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL

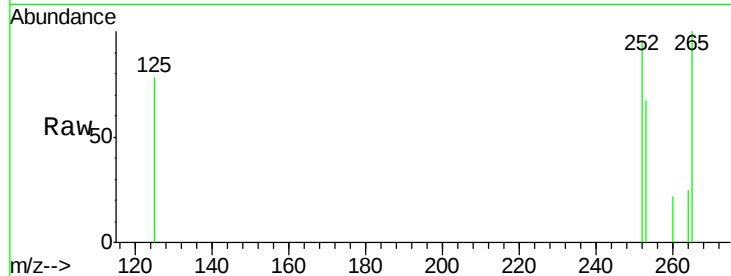
Tgt Ion: 252 Resp: 301

Ion Ratio Lower Upper

252 100

253 71.2 19.8 29.8#

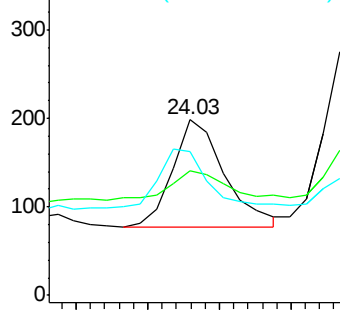
125 82.3 10.4 15.6#



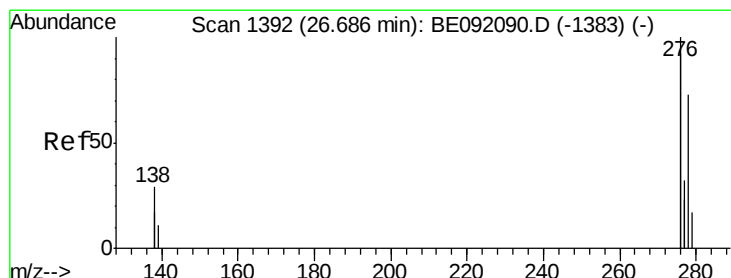
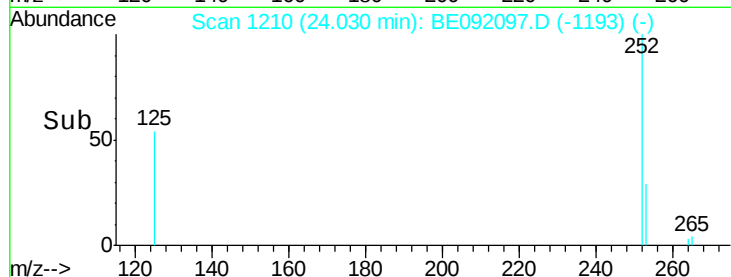
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.95 24.00 24.05 24.10



#44

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 26.72 min Scan# 1394

Delta R.T. 0.03 min

Lab File: BE092097.D

Acq: 1 Aug 2016 18:23

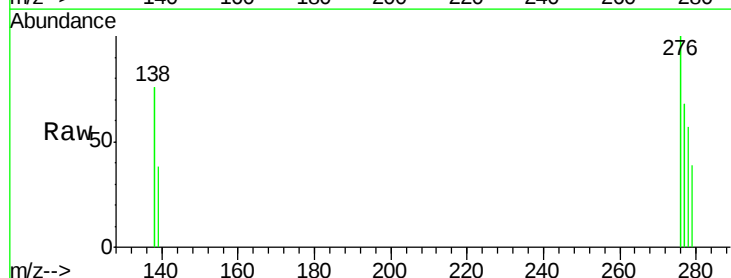
Tgt Ion: 278 Resp: 326

Ion Ratio Lower Upper

278 100

139 67.6 16.7 25.1#

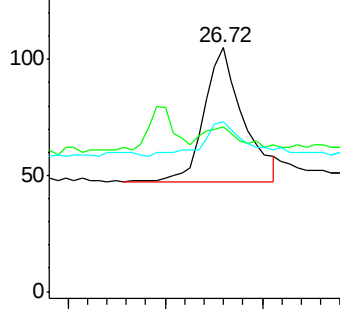
279 69.5 20.3 30.5#



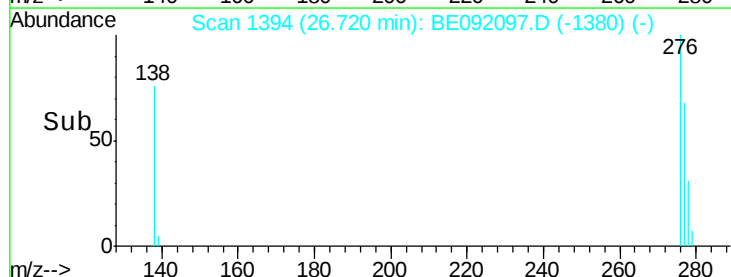
Abundance Ion 278.00 (277.70 to 278.70): E

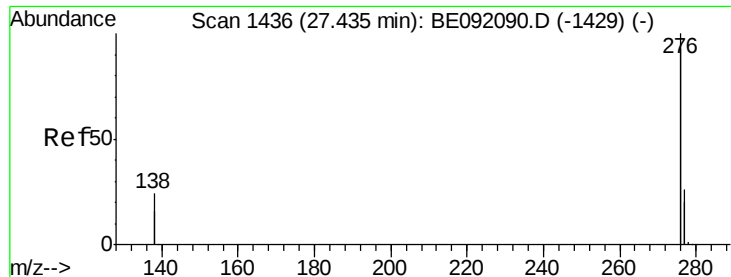
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 26.40 26.60 26.80





#45

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 27.45 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BE092097.D

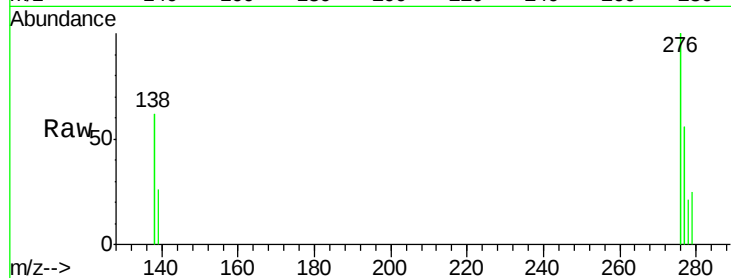
Acq: 1 Aug 2016 18:23

Instrument :

BNA\_E

ClientSampleId :

PB92309BL



Tgt Ion: 276 Resp: 1403

Ion Ratio Lower Upper

276 100

277 55.8 19.5 29.3#

138 61.7 20.8 31.2#

