

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE092316\  
 Data File : BE092418.D  
 Acq On : 23 Sep 2016 16:45  
 Operator : UM/SJ  
 Sample : PB93505BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PT-BN-WPDL

Quant Time: Sep 23 19:27:52 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 22 18:25:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 11148    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.95 | 136  | 52457    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.81 | 164  | 35924    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.58 | 188  | 78236    | 5.00 | ng    | 0.02     |
| 24) Chrysene-d12          | 21.75 | 240  | 106791   | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.12 | 264  | 93067    | 5.00 | ng    | 0.03     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.66  | 112  | 24999    | 9.48 | ng    | -0.02    |
| 5) Phenol-d6                | 7.34  | 99   | 33646    | 8.95 | ng    | -0.02    |
| 8) Nitrobenzene-d5          | 9.34  | 82   | 21877    | 5.78 | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330  | 11621    | 9.10 | ng    | -0.01    |
| 14) 2-Fluorobiphenyl        | 13.43 | 172  | 59428    | 6.99 | ng    | -0.01    |
| 26) Terphenyl-d14           | 20.17 | 244  | 88701    | 6.70 | ng    | 0.00     |

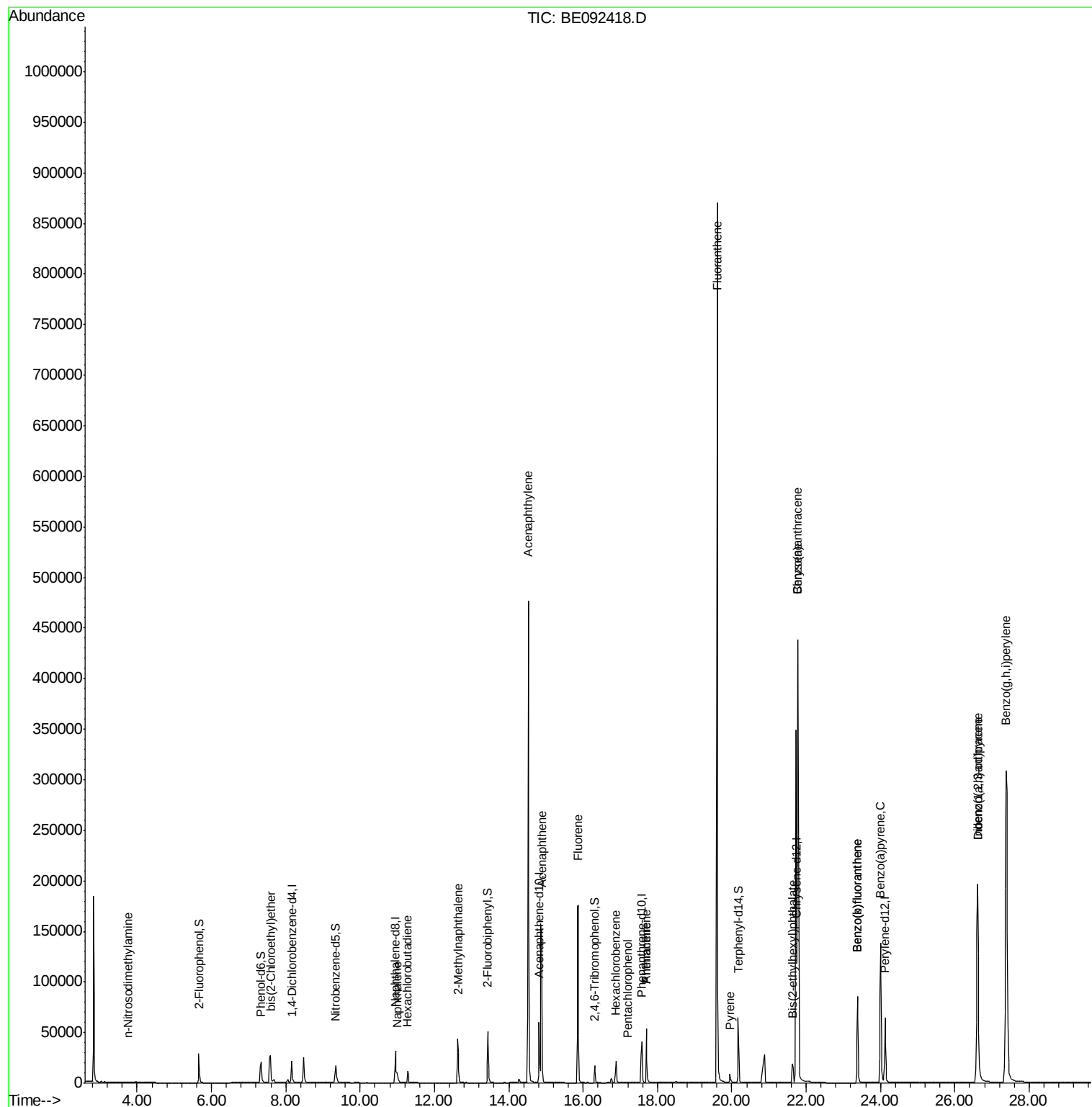
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 3) n-Nitrosodimethylamine      | 3.74  | 42   | 7        | 0.20  | ng    | # 15   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93   | 34242    | 11.48 | ng    | # 27   |
| 9) Naphthalene                 | 10.99 | 128  | 16025    | 1.41  | ng    | # 96   |
| 10) Hexachlorobutadiene        | 11.28 | 225  | 10183    | 5.70  | ng    | 99     |
| 11) 2-Methylnaphthalene        | 12.62 | 142  | 40092    | 5.33  | ng    | 94     |
| 15) Acenaphthylene             | 14.52 | 152  | 645309   | 12.40 | ng    | 100    |
| 16) Acenaphthene               | 14.88 | 154  | 41762    | 5.13  | ng    | 92     |
| 17) Fluorene                   | 15.87 | 166  | 135231   | 13.09 | ng    | 100    |
| 19) Hexachlorobenzene          | 16.89 | 284  | 22951    | 6.85  | ng    | # 65   |
| 20) Pentachlorophenol          | 17.19 | 266  | 1        | 0.18  | ng    | # 72   |
| 21) Phenanthrene               | 17.69 | 178  | 82162    | 4.57  | ng    | # 94   |
| 22) Anthracene                 | 17.69 | 178  | 84464    | 4.89  | ng    | 99     |
| 23) Fluoranthene               | 19.61 | 202  | 1101332  | 12.89 | ng    | 99     |
| 25) Pyrene                     | 19.95 | 202  | 6917     | 0.07  | ng    | # 1    |
| 27) Benzo(a)anthracene         | 21.77 | 228  | 939212   | 9.02  | ng    | # 81   |
| 28) Chrysene                   | 21.77 | 228  | 944789   | 9.91  | ng    | 95     |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 34983    | 3.90  | ng    | # 56   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.61 | 276  | 438554   | 4.34  | ng    | 95     |
| 32) Benzo(b)fluoranthene       | 23.38 | 252  | 122822   | 5.45  | ng    | 95     |
| 33) Benzo(k)fluoranthene       | 23.38 | 252  | 123250   | 5.22  | ng    | 94     |
| 34) Benzo(a)pyrene             | 24.01 | 252  | 223690   | 10.13 | ng    | # 94   |
| 35) Dibenzo(a,h)anthracene     | 26.61 | 278  | 3091     | 0.15  | ng    | # 75   |
| 36) Benzo(g,h,i)perylene       | 27.38 | 276  | 771655   | 8.87  | ng    | 98     |

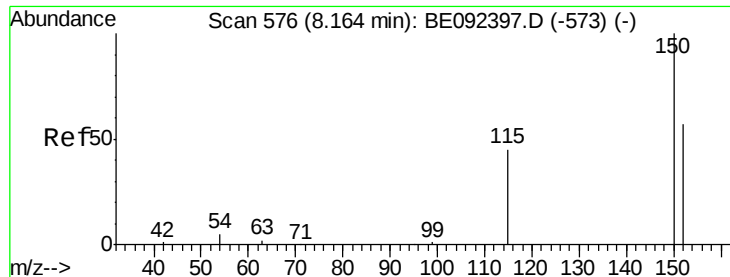
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 22 18:25:56 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

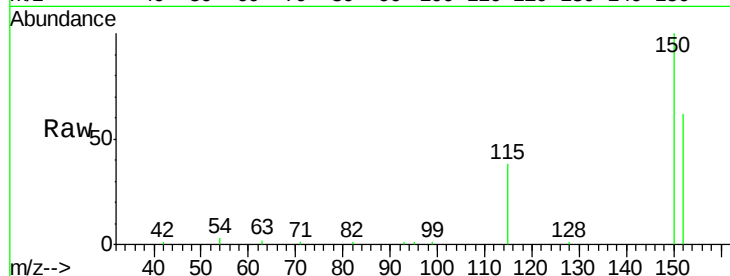
Tgt Ion:152 Resp: 11148

Ion Ratio Lower Upper

152 100

150 160.9 106.0 159.0#

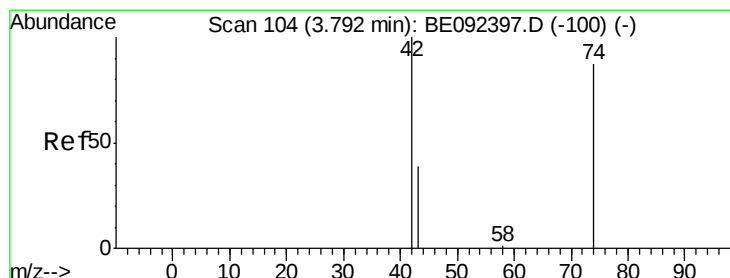
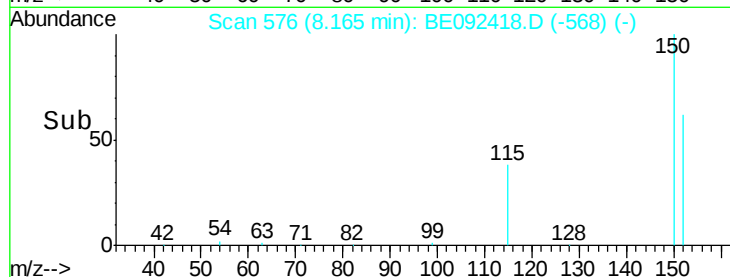
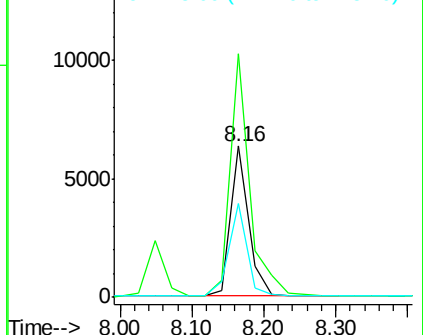
115 61.9 31.2 46.8#



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: 0.20 ng

RT: 3.74 min Scan# 100

Delta R.T. -0.06 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

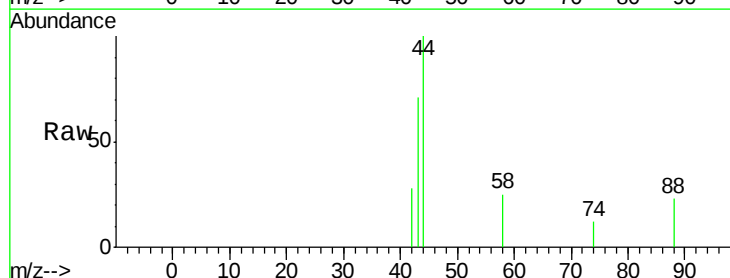
Tgt Ion: 42 Resp: 7

Ion Ratio Lower Upper

42 100

74 14.3 86.0 129.0#

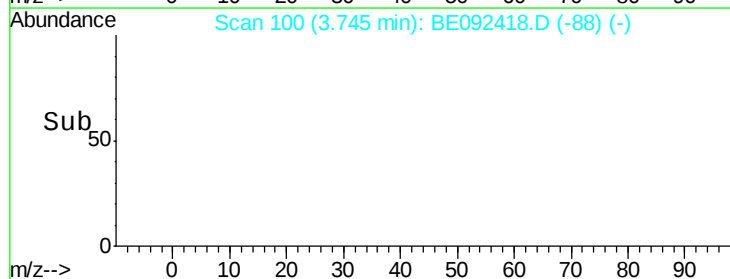
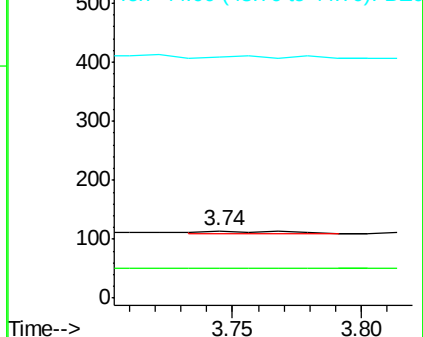
44 0.0 5.1 7.7#

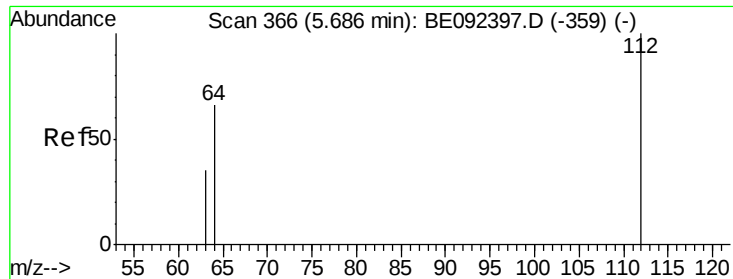


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 9.48 ng

RT: 5.66 min Scan# 362

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

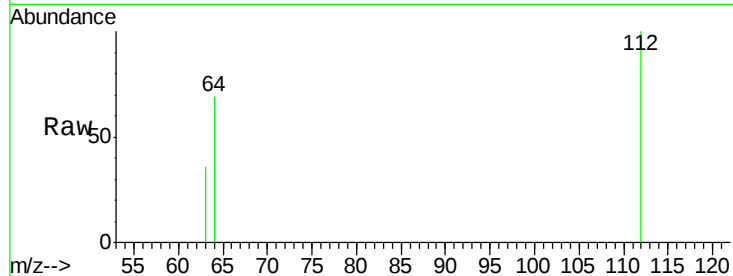
Tgt Ion: 112 Resp: 24999

Ion Ratio Lower Upper

112 100

64 67.1 53.5 80.3

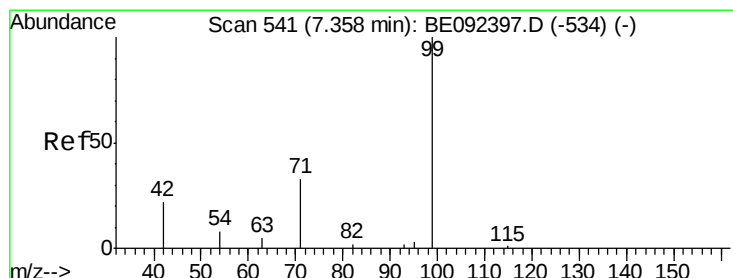
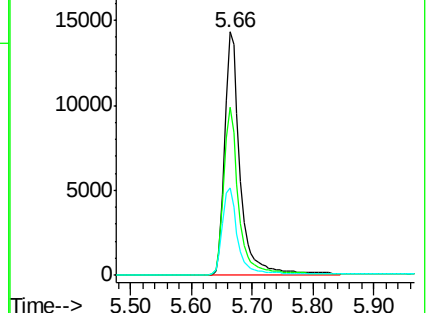
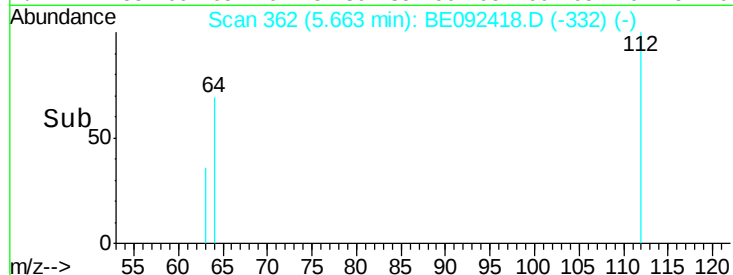
63 35.7 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092418.D (-532) (-)

Ion 64.00 (63.70 to 64.70): BE092418.D (-532) (-)

Ion 63.00 (62.70 to 63.70): BE092418.D (-532) (-)



#5

Phenol-d6

Concen: 8.95 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

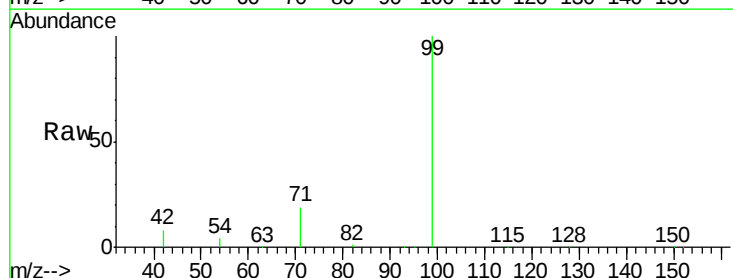
Tgt Ion: 99 Resp: 33646

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

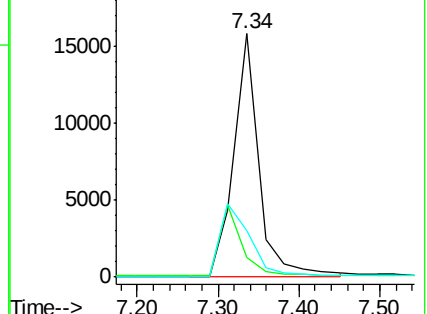
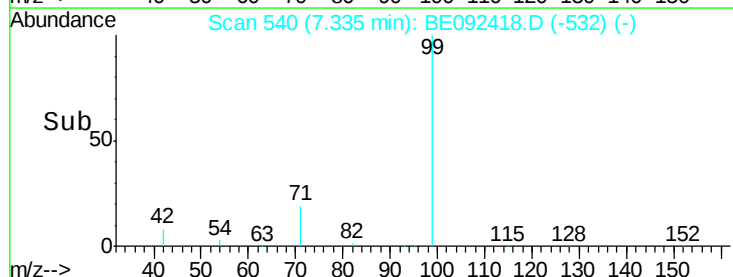
71 0.0 30.6 45.8#

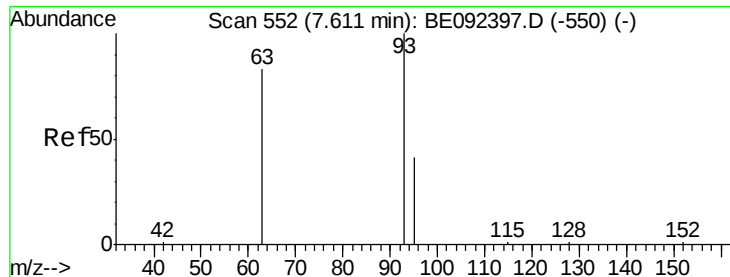


Abundance Ion 99.00 (98.70 to 99.70): BE092418.D (-532) (-)

Ion 42.00 (41.70 to 42.70): BE092418.D (-532) (-)

Ion 71.00 (70.70 to 71.70): BE092418.D (-532) (-)





#6

bis(2-Chloroethyl)ether

Concen: 11.48 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

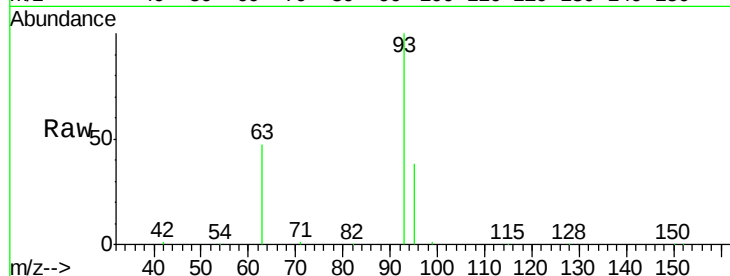
Tgt Ion: 93 Resp: 34242

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

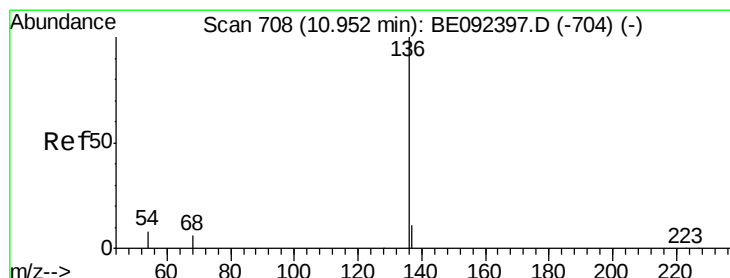
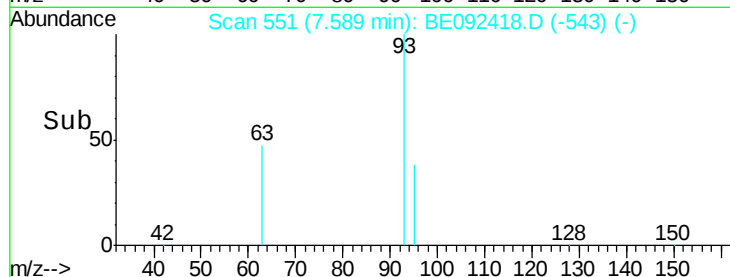
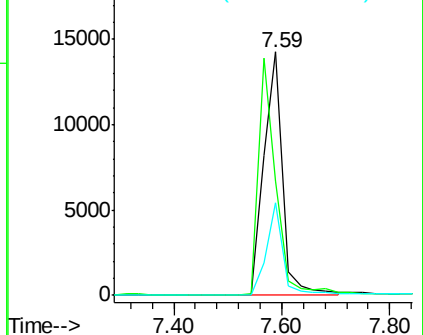
95 33.1 24.0 36.0



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: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Tgt Ion: 136 Resp: 52457

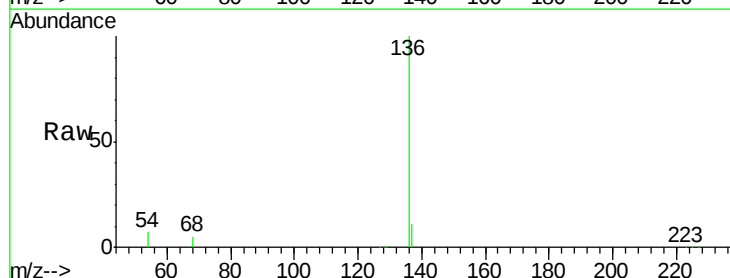
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.4

54 7.1 9.6 14.4#

68 5.4 6.7 10.1#

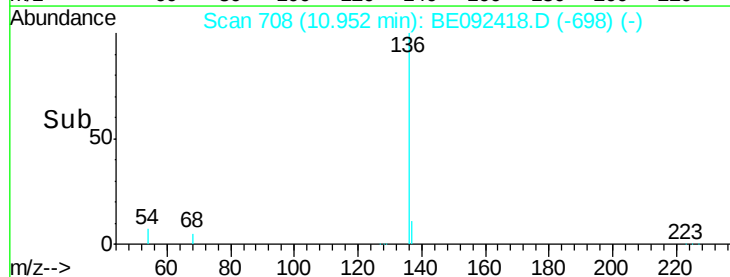
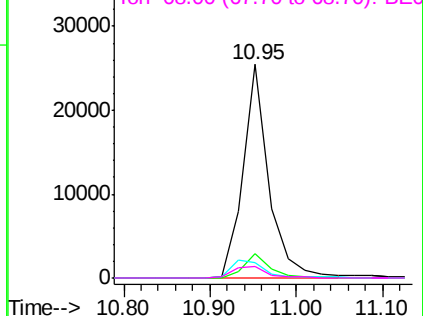


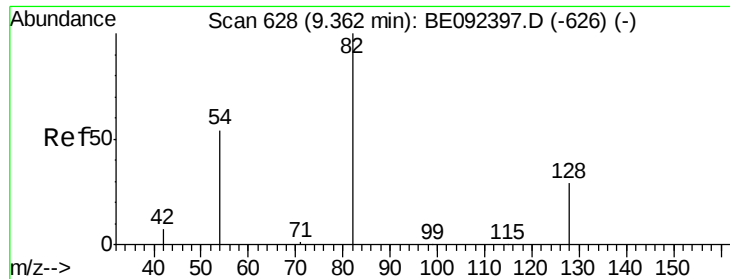
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.78 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

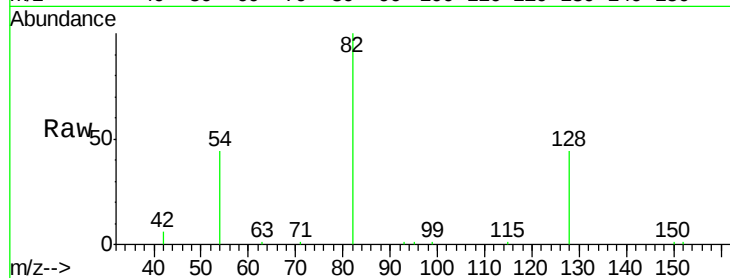
Tgt Ion: 82 Resp: 21877

Ion Ratio Lower Upper

82 100

128 44.1 39.0 58.4

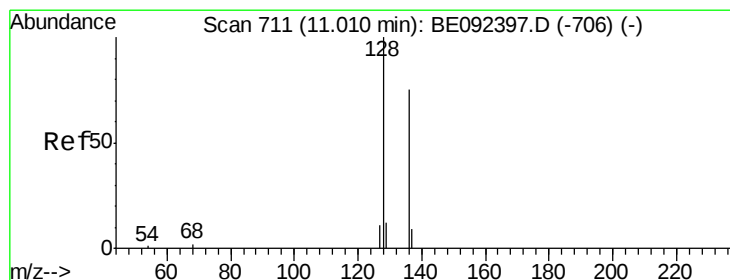
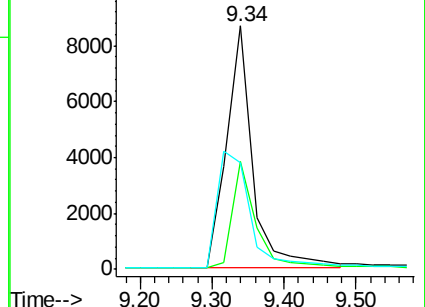
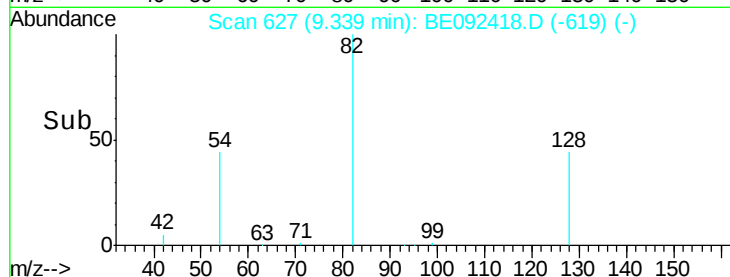
54 44.0 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE092418.D (-619) (-)

Ion 128.00 (127.70 to 128.70): BE092418.D (-619) (-)

Ion 54.00 (53.70 to 54.70): BE092418.D (-619) (-)



#9

Naphthalene

Concen: 1.41 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

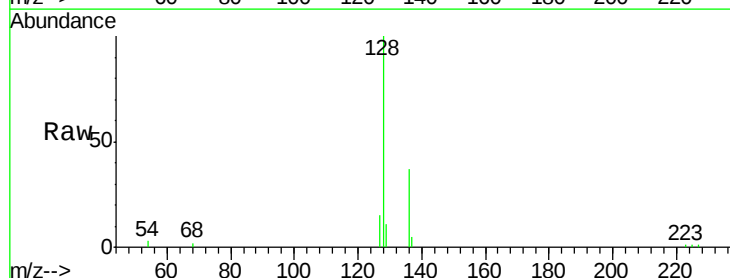
Tgt Ion: 128 Resp: 16025

Ion Ratio Lower Upper

128 100

129 10.9 11.2 16.8#

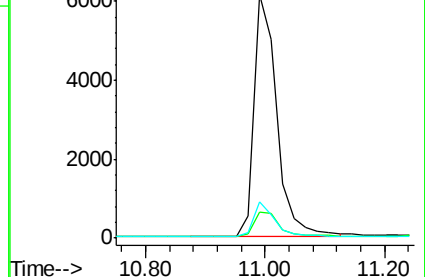
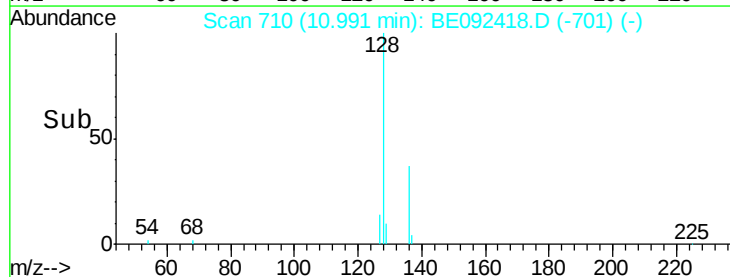
127 14.7 11.6 17.4

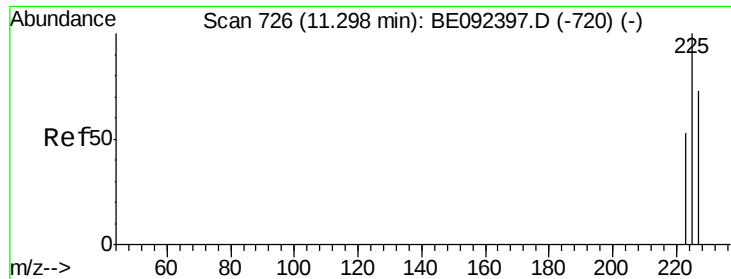


Abundance Ion 128.00 (127.70 to 128.70): BE092418.D (-701) (-)

Ion 129.00 (128.70 to 129.70): BE092418.D (-701) (-)

Ion 127.00 (126.70 to 127.70): BE092418.D (-701) (-)

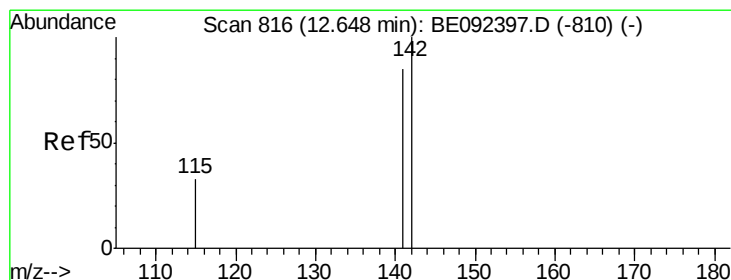
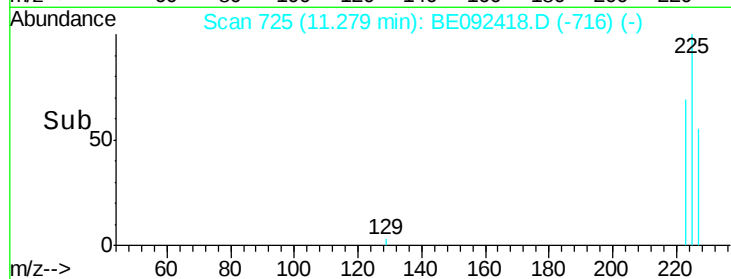
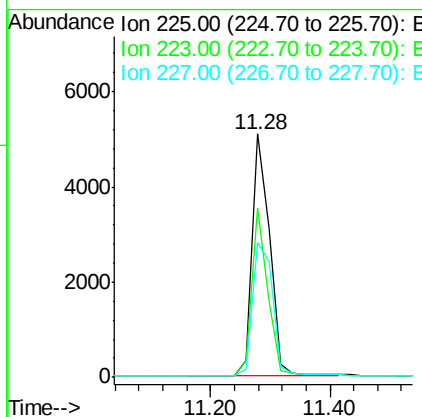
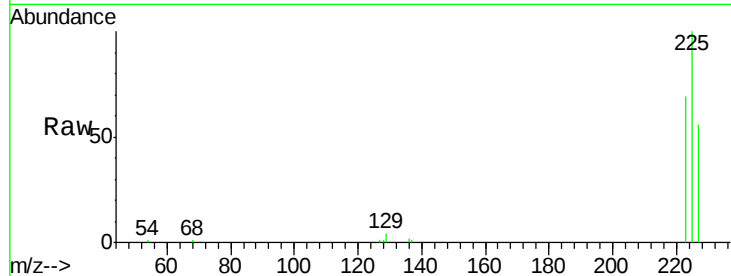




#10  
Hexachlorobutadiene  
Concen: 5.70 ng  
RT: 11.28 min Scan# 725  
Delta R.T. -0.02 min  
Lab File: BE092418.D  
Acq: 23 Sep 2016 16:45

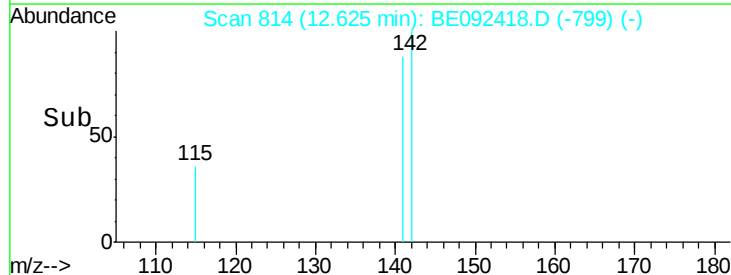
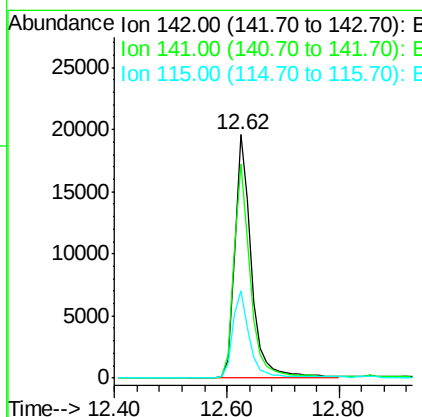
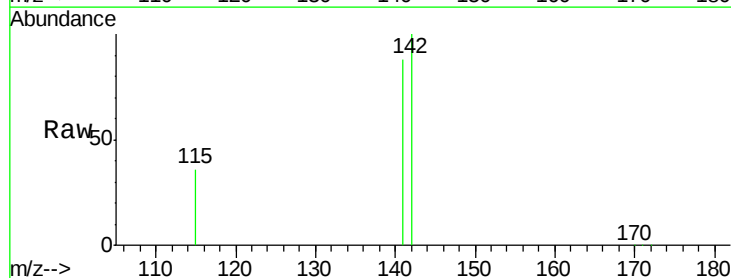
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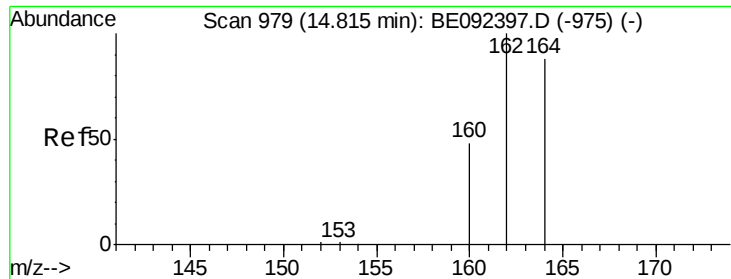
Tgt Ion: 225 Resp: 10183  
Ion Ratio Lower Upper  
225 100  
223 63.1 50.6 76.0  
227 63.3 51.4 77.0



#11  
2-Methylnaphthalene  
Concen: 5.33 ng  
RT: 12.62 min Scan# 814  
Delta R.T. -0.02 min  
Lab File: BE092418.D  
Acq: 23 Sep 2016 16:45

Tgt Ion: 142 Resp: 40092  
Ion Ratio Lower Upper  
142 100  
141 88.0 73.7 110.5  
115 35.8 34.0 51.0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 979

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

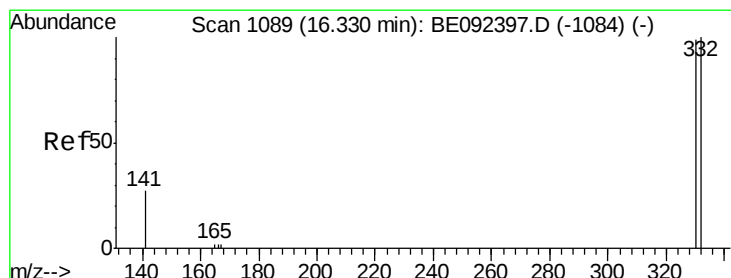
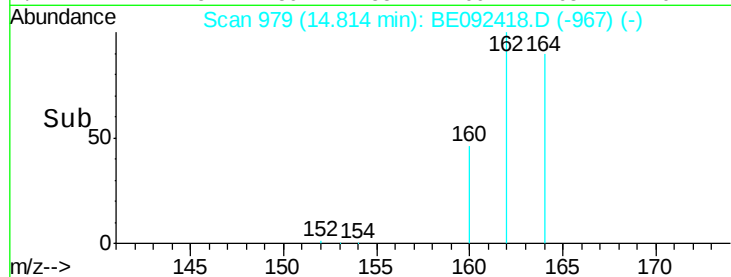
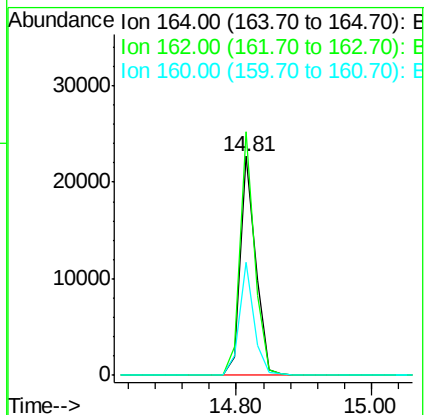
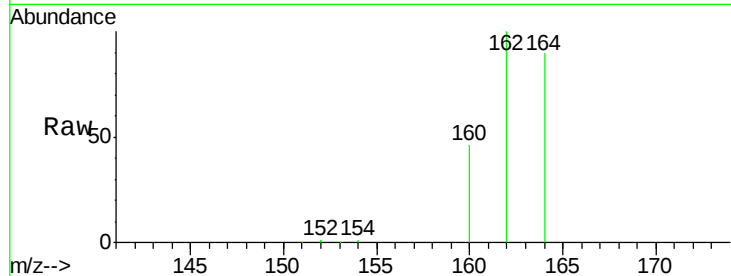
Tgt Ion:164 Resp: 35924

Ion Ratio Lower Upper

164 100

162 111.3 71.4 107.0#

160 51.4 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 9.10 ng

RT: 16.31 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

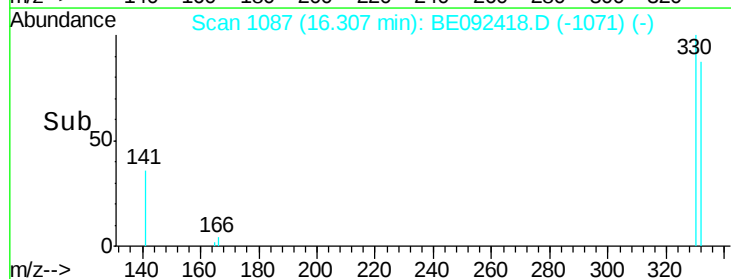
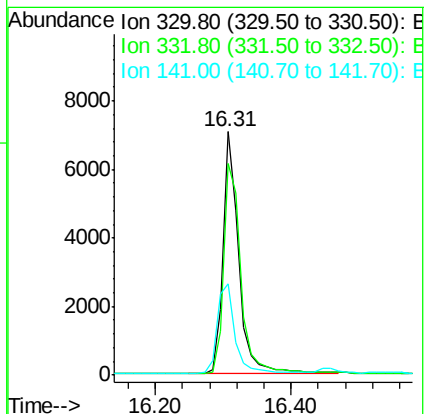
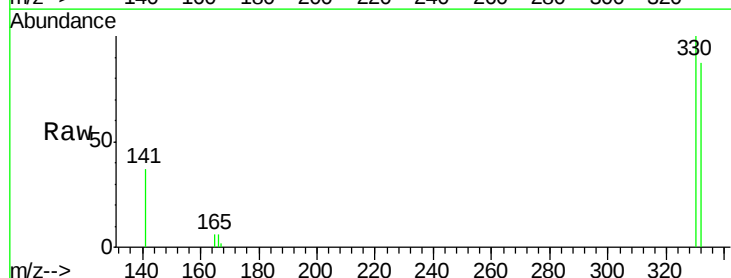
Tgt Ion:330 Resp: 11621

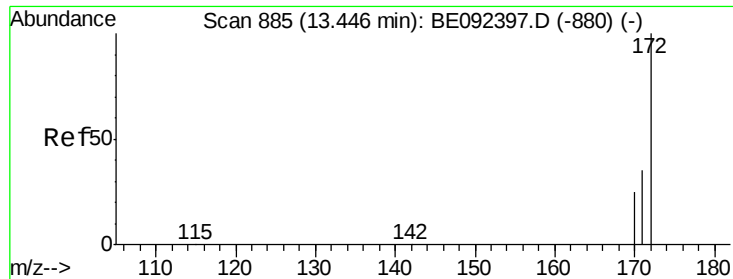
Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.0

141 41.3 31.0 46.6

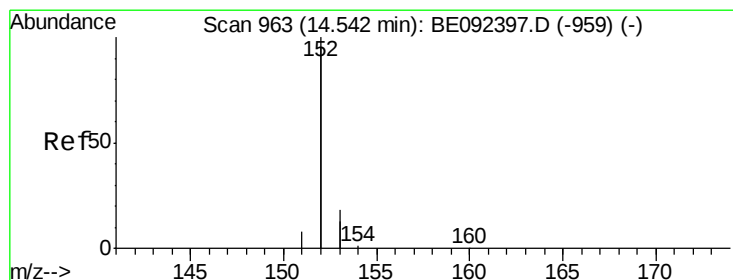
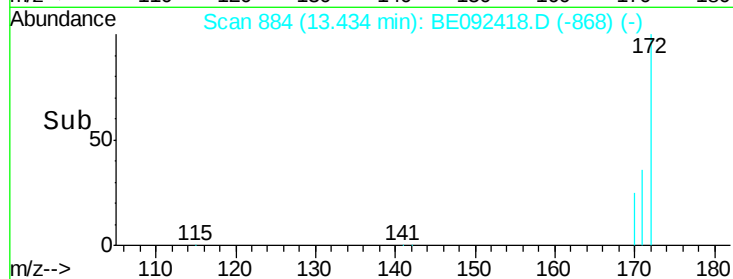
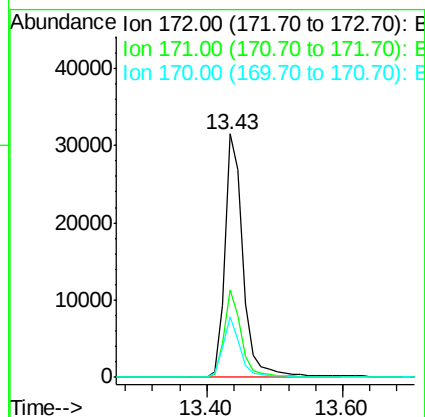
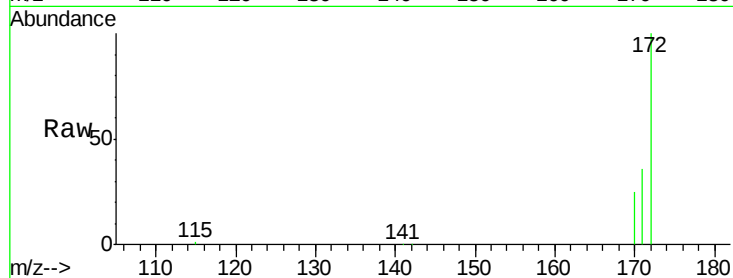




#14  
2-Fluorobiphenyl  
Concen: 6.99 ng  
RT: 13.43 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BE092418.D  
Acq: 23 Sep 2016 16:45

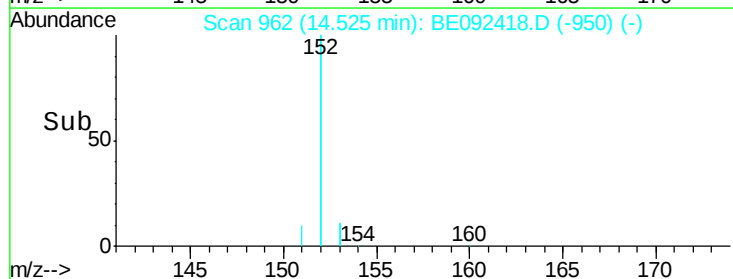
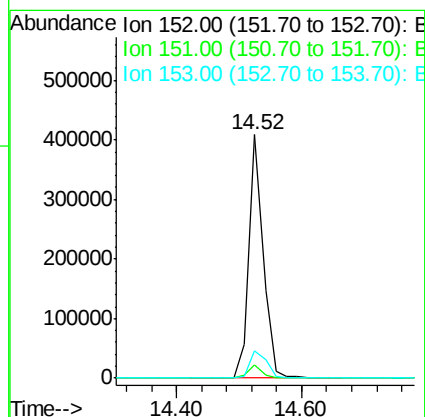
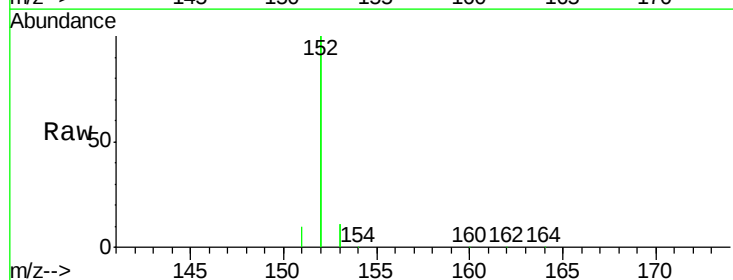
Instrument :  
BNA\_E  
ClientSampleId :  
PT-BN-WPDL

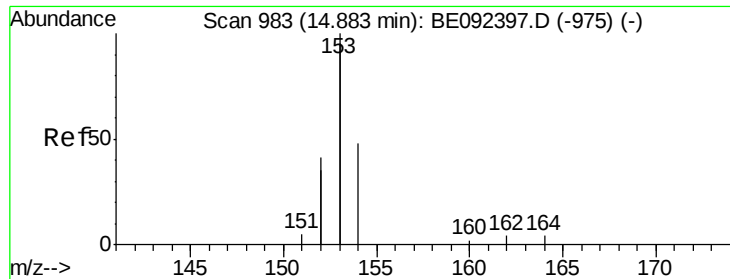
Tgt Ion:172 Resp: 59428  
Ion Ratio Lower Upper  
172 100  
171 35.8 30.1 45.1  
170 24.7 21.8 32.6



#15  
Acenaphthylene  
Concen: 12.40 ng  
RT: 14.52 min Scan# 962  
Delta R.T. -0.00 min  
Lab File: BE092418.D  
Acq: 23 Sep 2016 16:45

Tgt Ion:152 Resp: 645309  
Ion Ratio Lower Upper  
152 100  
151 5.0 3.9 5.9  
153 13.1 10.4 15.6





#16

Acenaphthene

Concen: 5.13 ng

RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

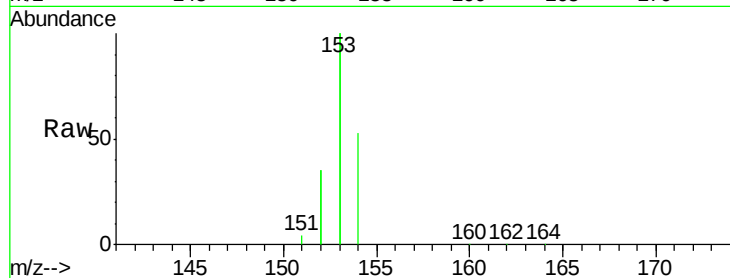
Tgt Ion:154 Resp: 41762

Ion Ratio Lower Upper

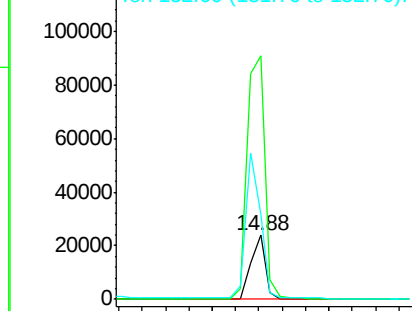
154 100

153 458.2 350.8 526.2

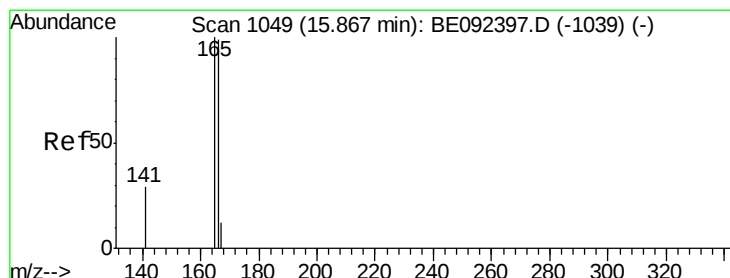
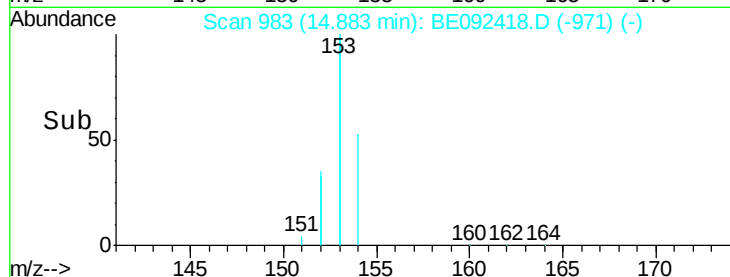
152 228.1 171.1 256.7



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-->



#17

Fluorene

Concen: 13.09 ng

RT: 15.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

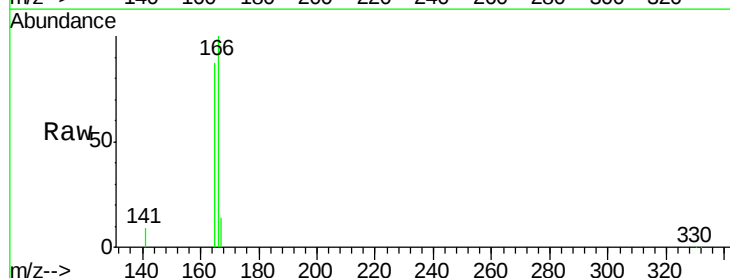
Tgt Ion:166 Resp: 135231

Ion Ratio Lower Upper

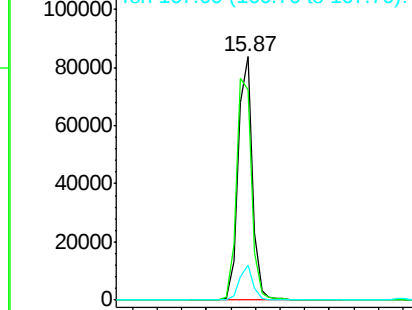
166 100

165 97.7 78.2 117.4

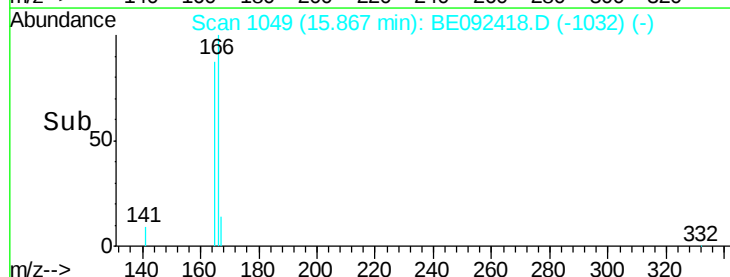
167 13.5 11.0 16.4

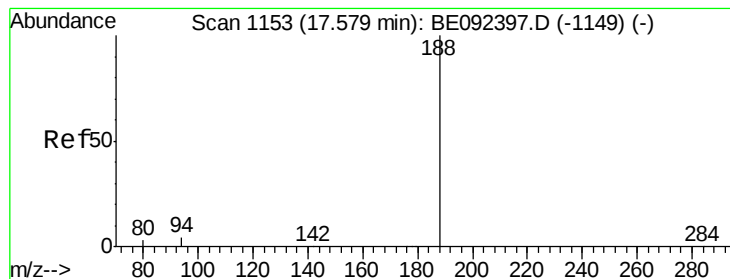


Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



Time-->





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

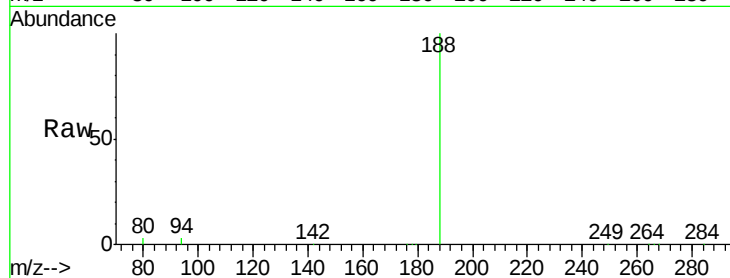
Tgt Ion:188 Resp: 78236

Ion Ratio Lower Upper

188 100

94 3.0 3.2 4.8#

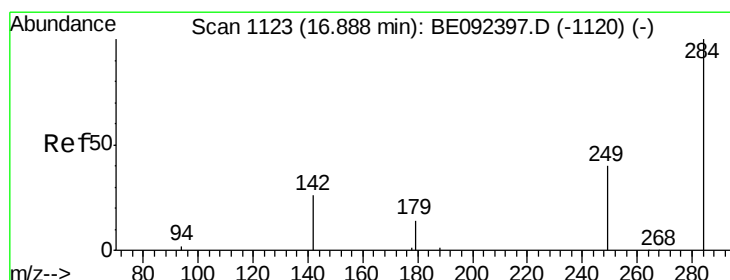
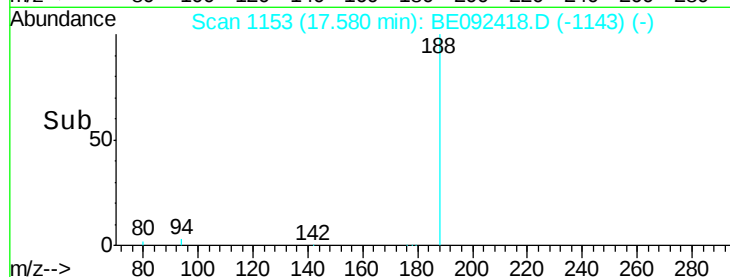
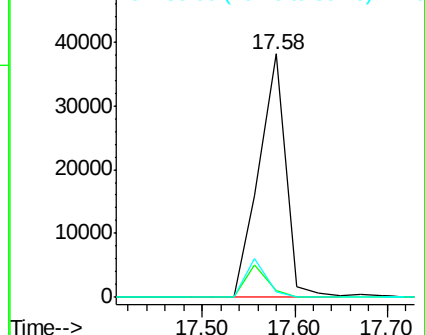
80 2.5 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 6.85 ng

RT: 16.89 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

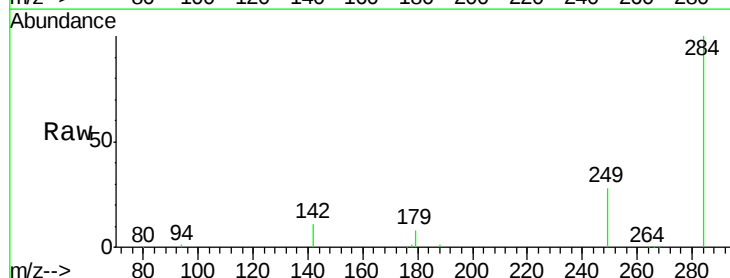
Tgt Ion:284 Resp: 22951

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

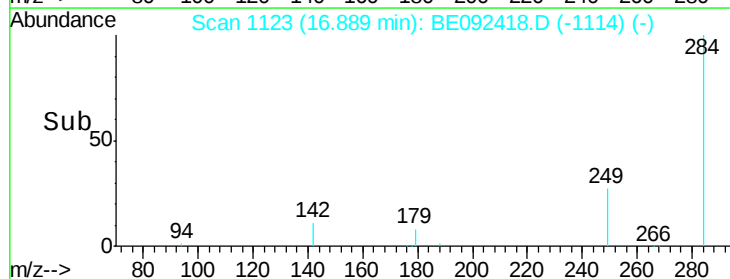
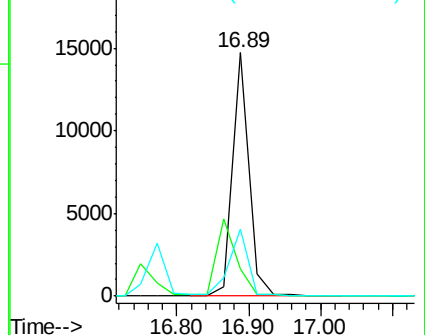
249 31.0 27.9 41.9

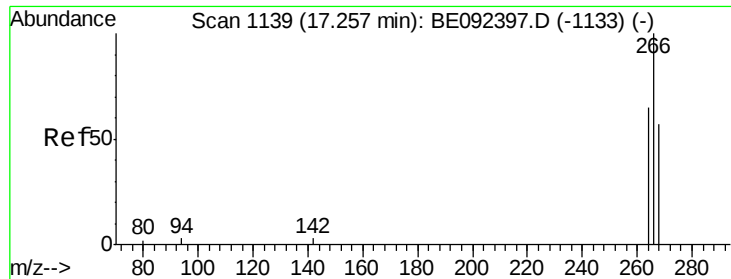


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#20

Pentachlorophenol

Concen: 0.18 ng

RT: 17.19 min Scan# 1136

Delta R.T. -0.07 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

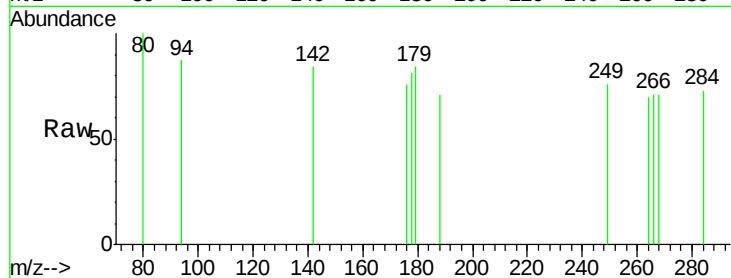
Tgt Ion: 266 Resp: 1

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

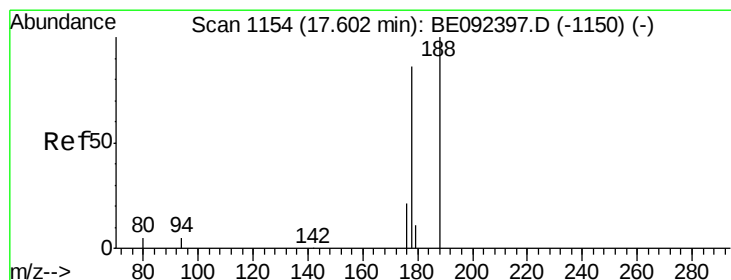
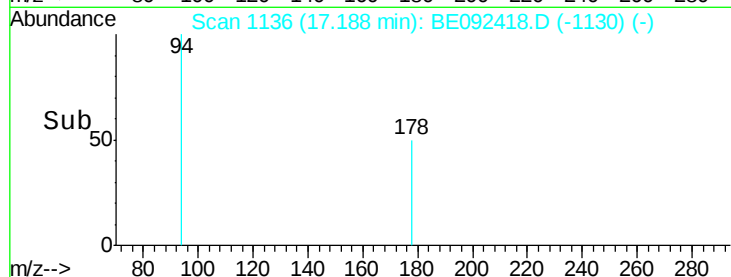
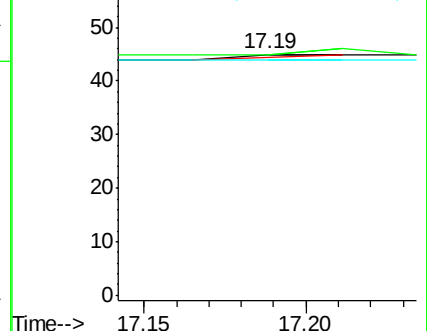
264 97.8 57.2 85.8#



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



#21

Phenanthrene

Concen: 4.57 ng

RT: 17.69 min Scan# 1158

Delta R.T. 0.09 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

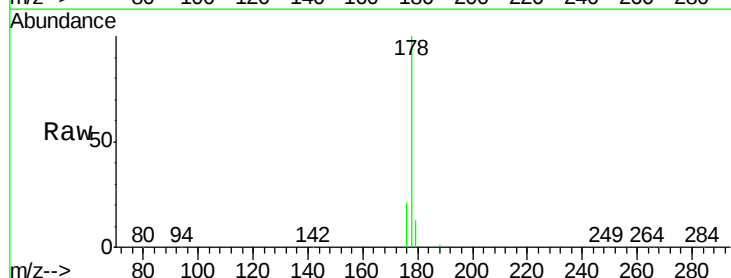
Tgt Ion: 178 Resp: 82162

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

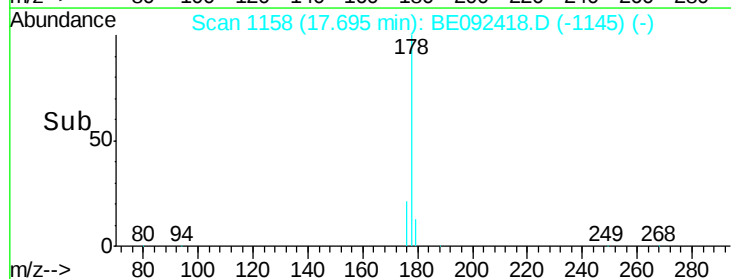
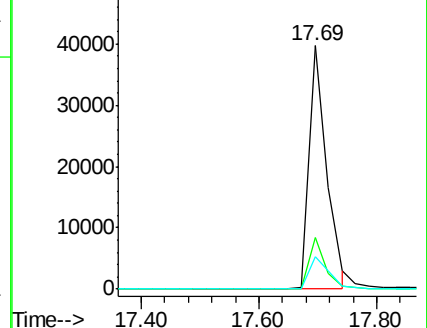
179 14.8 16.0 24.0#

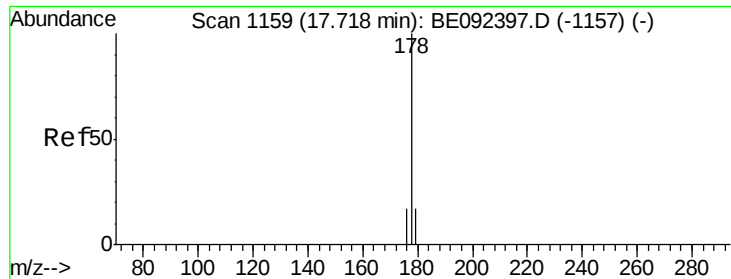


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 4.89 ng

RT: 17.69 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

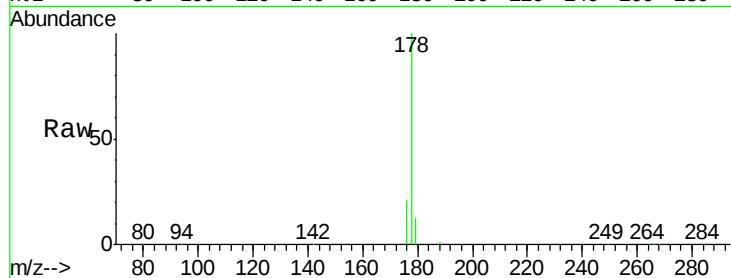
Tgt Ion:178 Resp: 84464

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

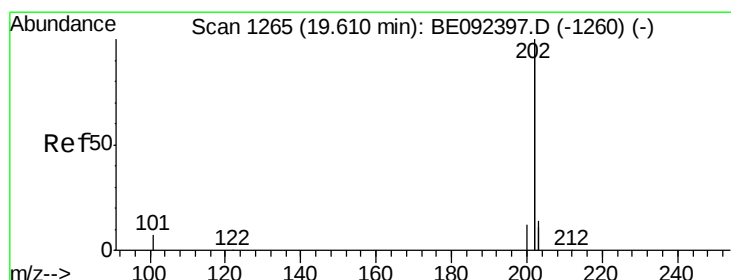
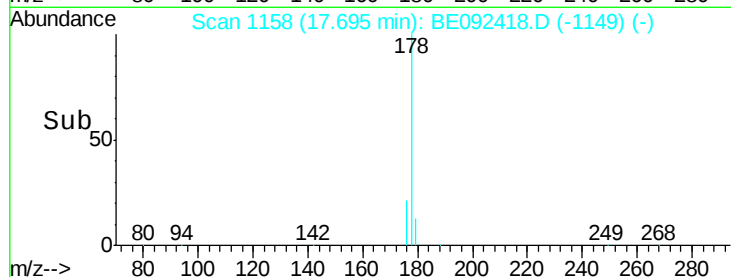
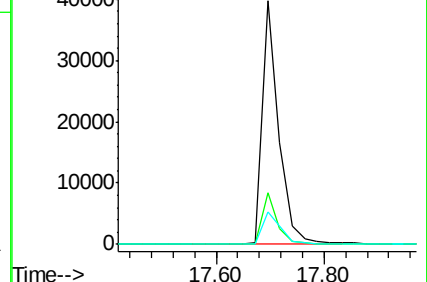
179 14.8 12.2 18.2



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: 12.89 ng

RT: 19.61 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

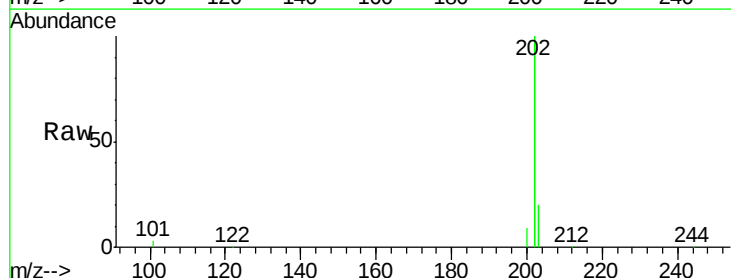
Tgt Ion:202 Resp: 1101332

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

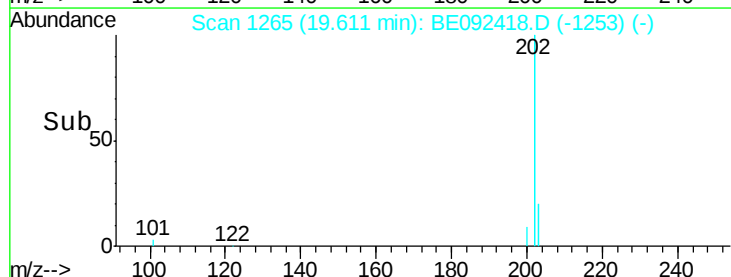
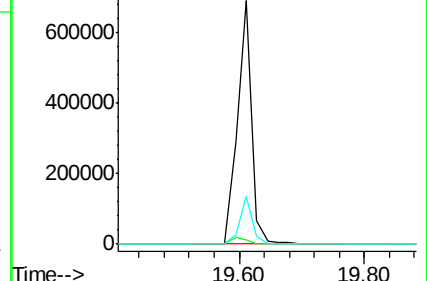
203 17.8 13.7 20.5

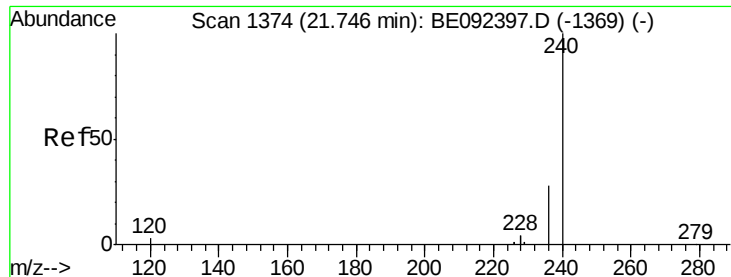


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1374

Delta R.T. -0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

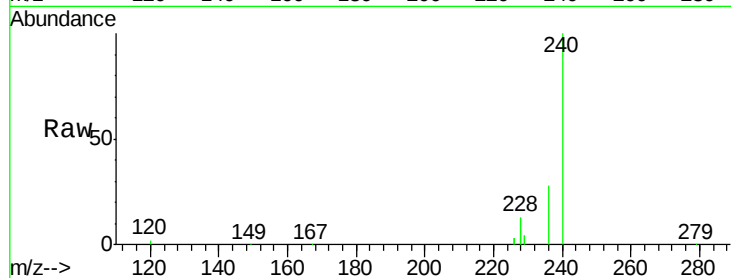
Tgt Ion:240 Resp: 106791

Ion Ratio Lower Upper

240 100

120 2.4 2.6 4.0#

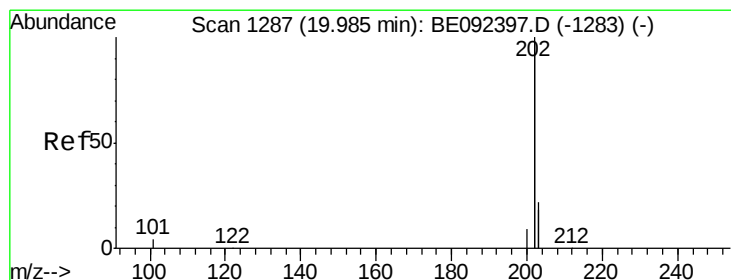
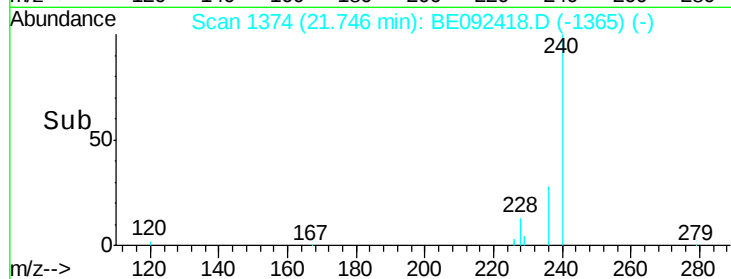
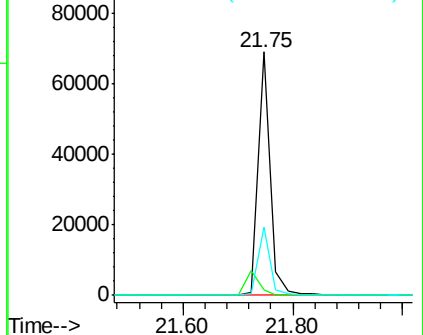
236 27.9 24.6 37.0



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: 0.07 ng

RT: 19.95 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

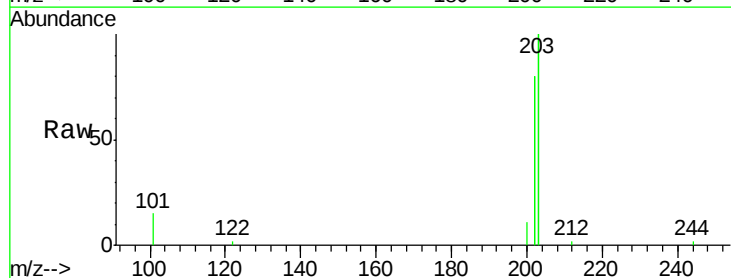
Tgt Ion:202 Resp: 6917

Ion Ratio Lower Upper

202 100

200 6.1 4.2 6.4

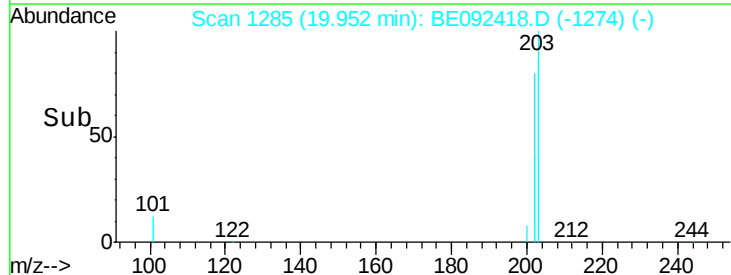
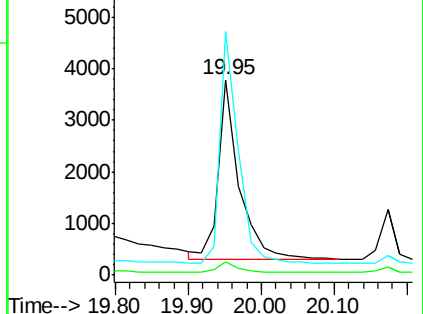
203 114.5 13.9 20.9#

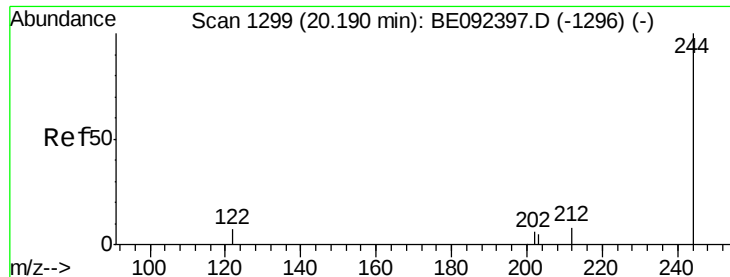


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

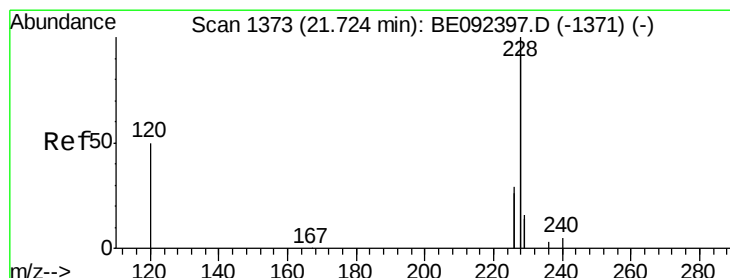
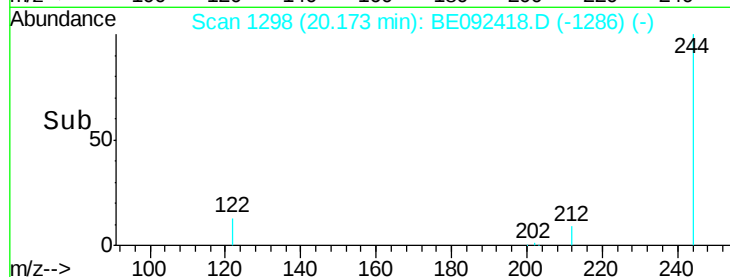
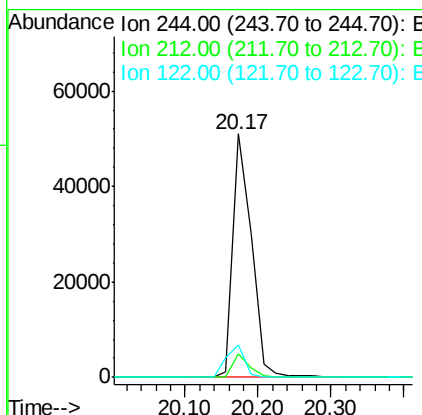
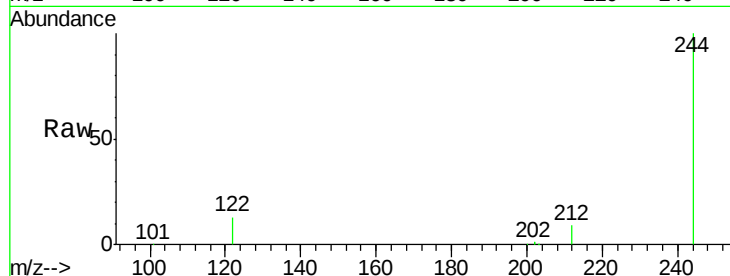




#26  
 Terphenyl-d14  
 Concen: 6.70 ng  
 RT: 20.17 min Scan# 1298  
 Delta R.T. 0.00 min  
 Lab File: BE092418.D  
 Acq: 23 Sep 2016 16:45

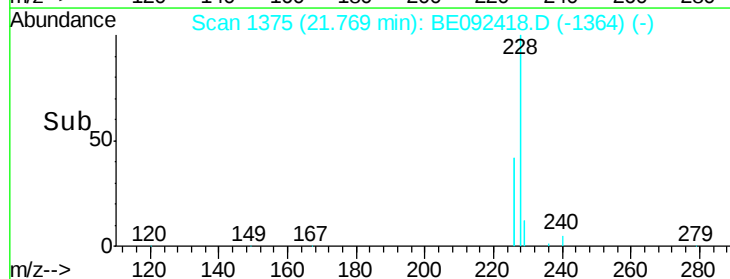
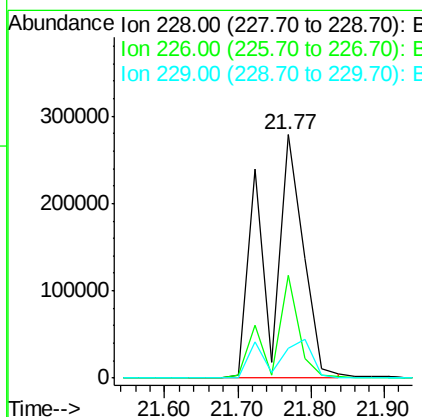
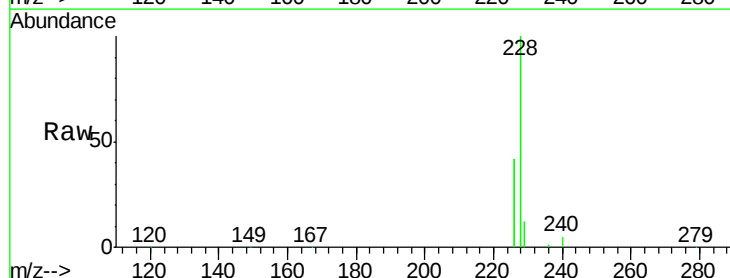
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PT-BN-WPDL

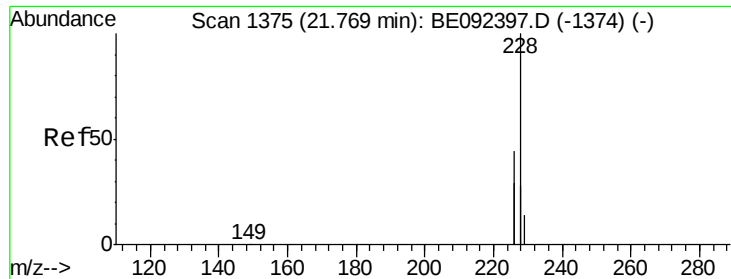
Tgt Ion: 244 Resp: 88701  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 6.7 10.1  
 122 13.2 3.6 5.4#



#27  
 Benzo(a)anthracene  
 Concen: 9.02 ng  
 RT: 21.77 min Scan# 1375  
 Delta R.T. 0.05 min  
 Lab File: BE092418.D  
 Acq: 23 Sep 2016 16:45

Tgt Ion: 228 Resp: 939212  
 Ion Ratio Lower Upper  
 228 100  
 226 42.1 23.6 35.4#  
 229 12.1 13.3 19.9#





#28

Chrysene

Concen: 9.91 ng

RT: 21.77 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

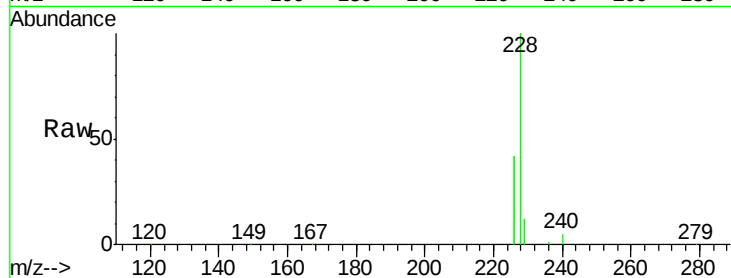
Tgt Ion:228 Resp: 944789

Ion Ratio Lower Upper

228 100

226 42.1 36.3 54.5

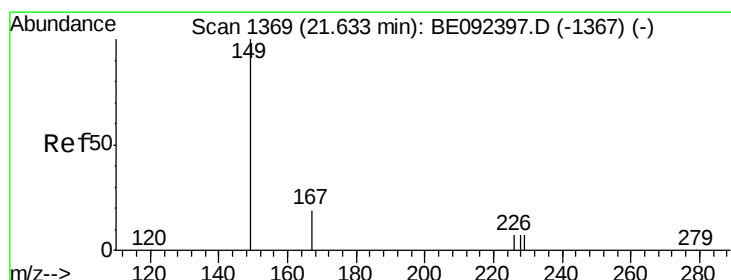
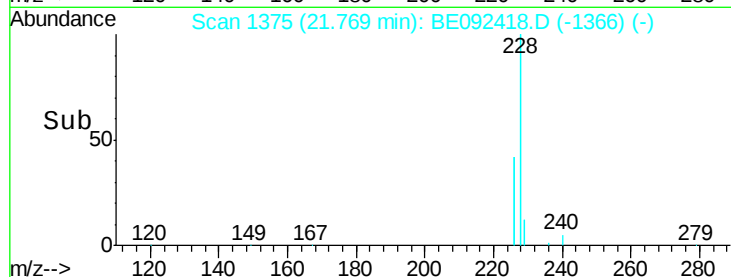
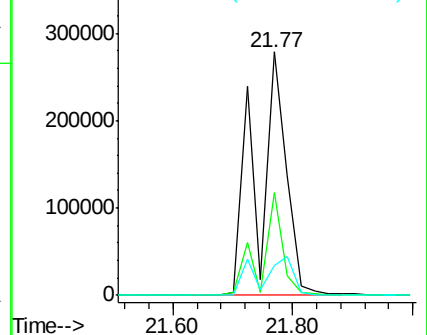
229 12.1 10.6 16.0



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 3.90 ng

RT: 21.63 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

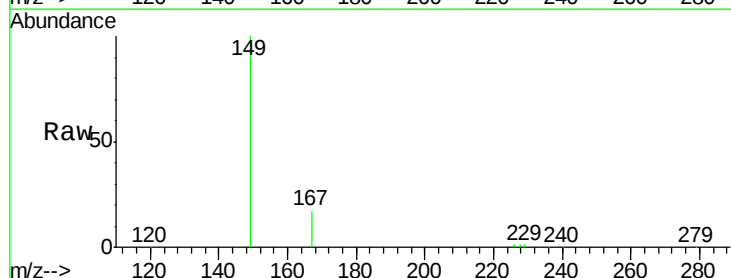
Tgt Ion:149 Resp: 34983

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

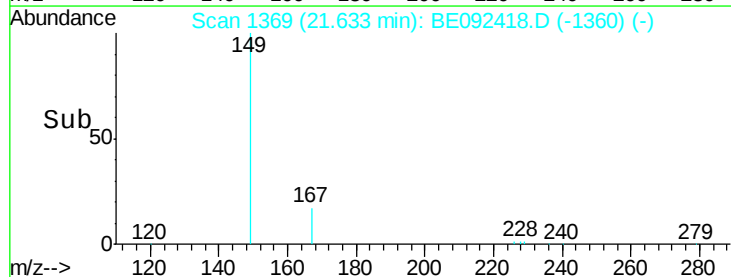
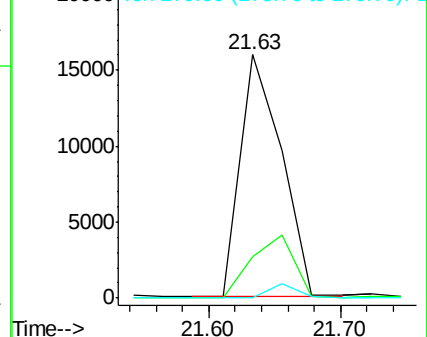
279 0.0 16.0 24.0#

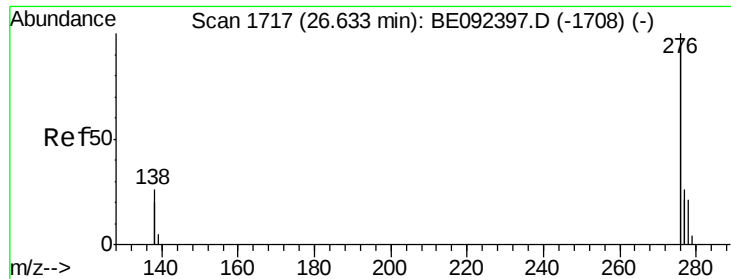


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.34 ng

RT: 26.61 min Scan# 1716

Delta R.T. 0.03 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

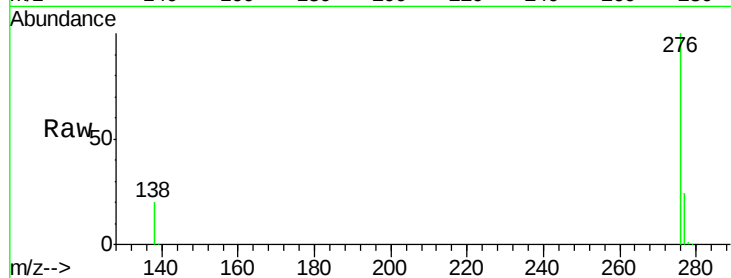
Tgt Ion: 276 Resp: 438554

Ion Ratio Lower Upper

276 100

138 21.3 20.3 30.5

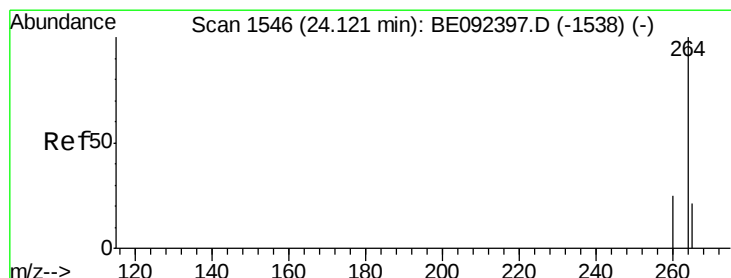
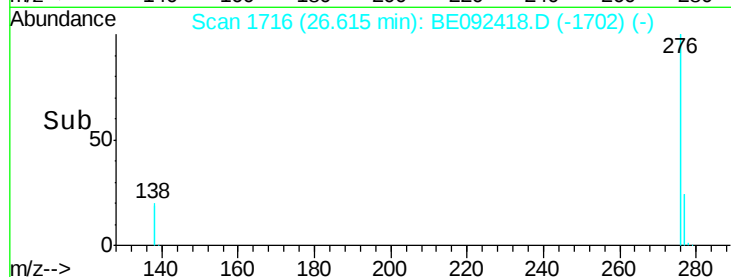
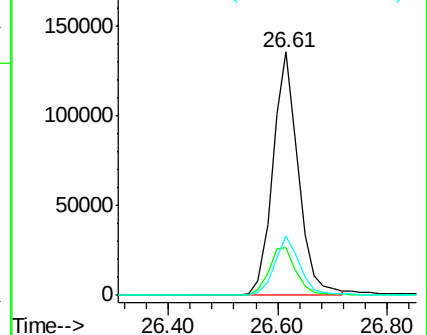
277 23.8 19.7 29.5



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: 24.12 min Scan# 1546

Delta R.T. 0.03 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

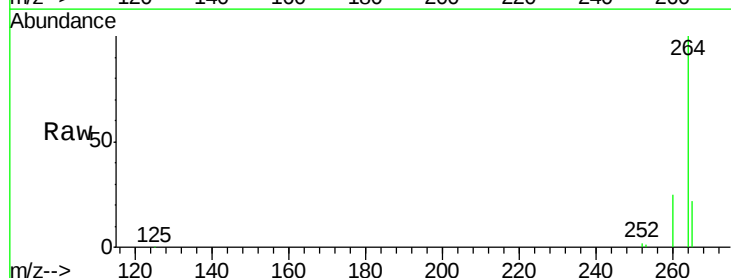
Tgt Ion: 264 Resp: 93067

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

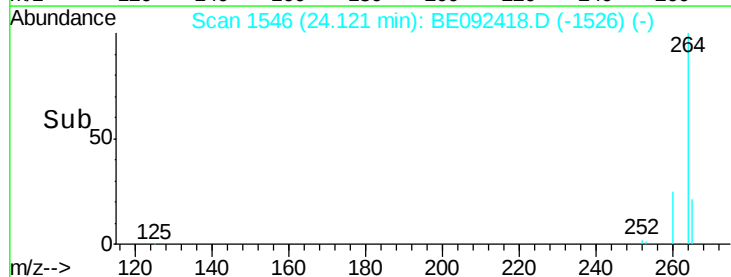
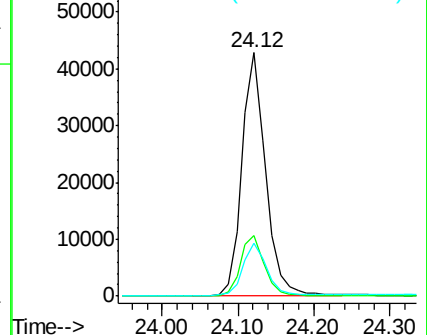
265 21.8 17.9 26.9

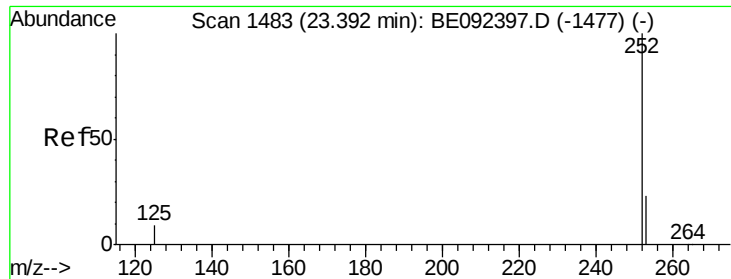


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#32

Benzo(b)fluoranthene

Concen: 5.45 ng

RT: 23.38 min Scan# 1482

Delta R.T. 0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

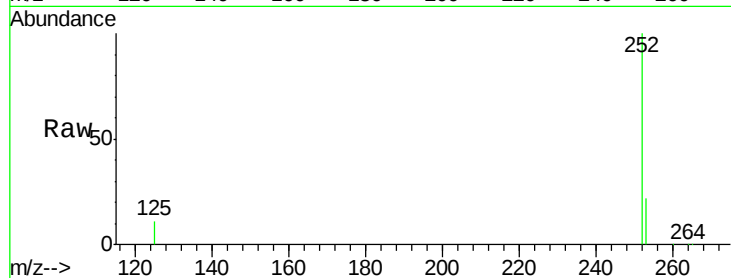
Tgt Ion:252 Resp: 122822

Ion Ratio Lower Upper

252 100

253 21.6 18.7 28.1

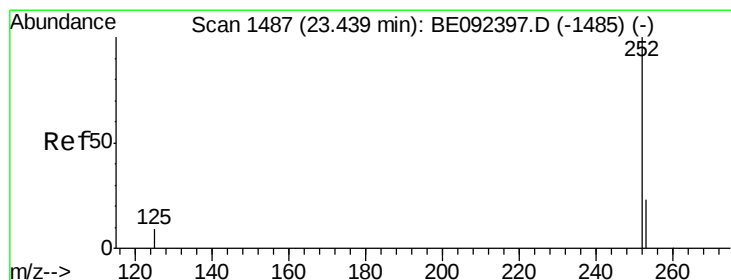
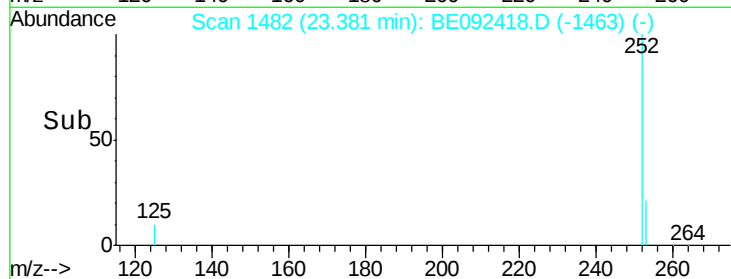
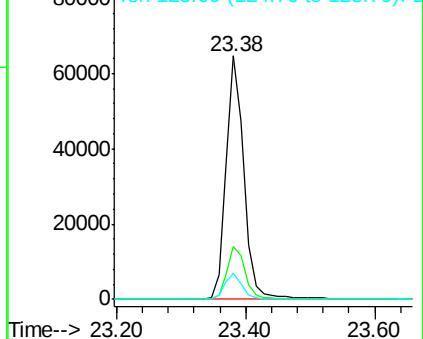
125 10.6 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#33

Benzo(k)fluoranthene

Concen: 5.22 ng

RT: 23.38 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

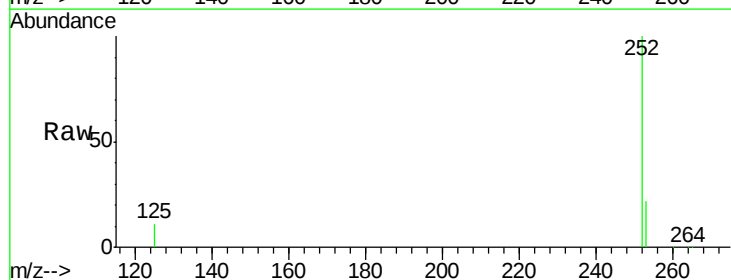
Tgt Ion:252 Resp: 123250

Ion Ratio Lower Upper

252 100

253 21.6 20.3 30.5

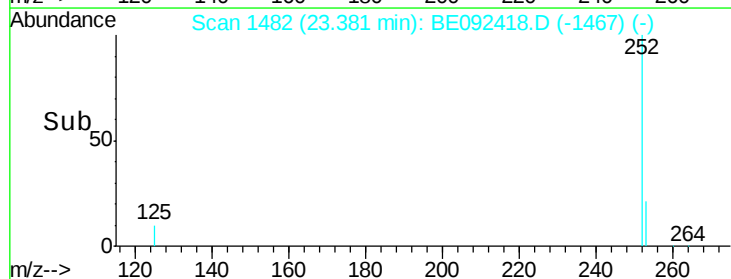
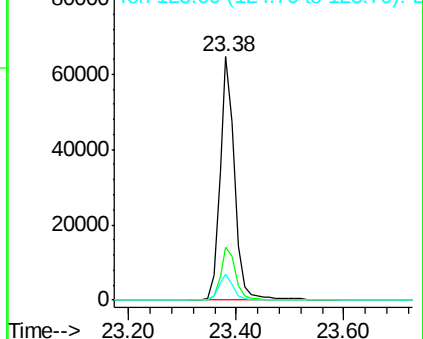
125 10.6 9.6 14.4

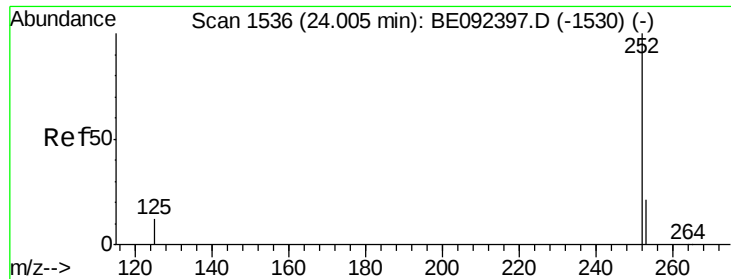


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(a)pyrene

Concen: 10.13 ng

RT: 24.01 min Scan# 1536

Delta R.T. 0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL

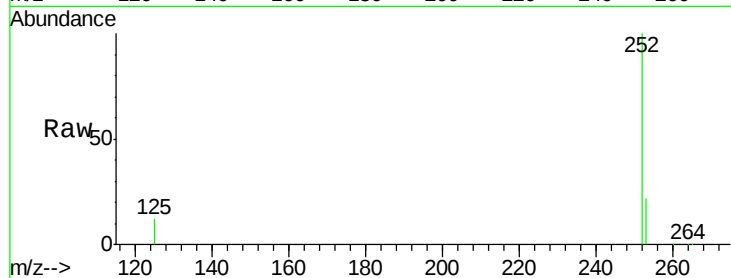
Tgt Ion:252 Resp: 223690

Ion Ratio Lower Upper

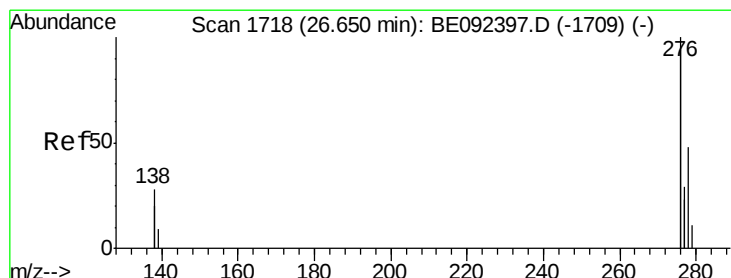
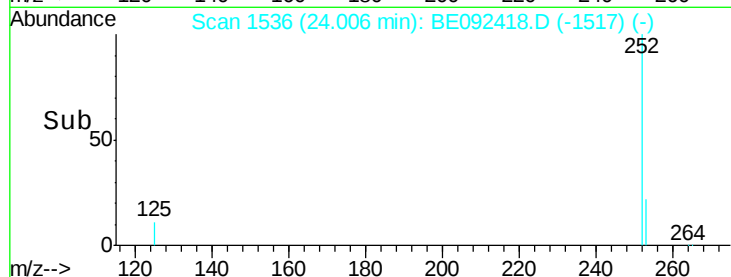
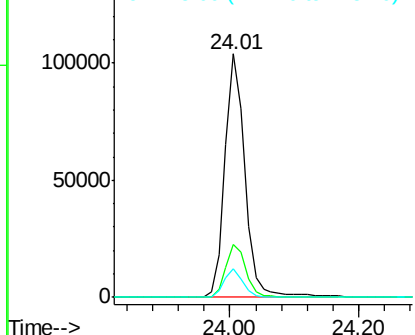
252 100

253 21.7 19.0 28.6

125 11.6 11.8 17.8#



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



#35

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 26.61 min Scan# 1716

Delta R.T. 0.02 min

Lab File: BE092418.D

Acq: 23 Sep 2016 16:45

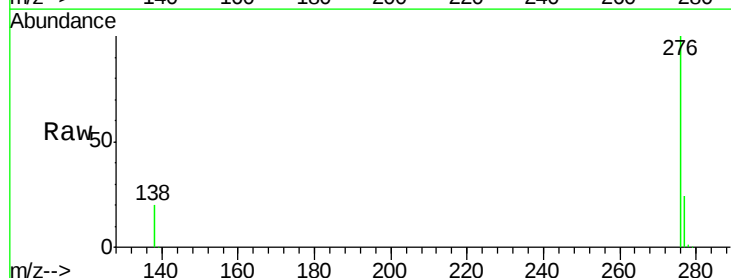
Tgt Ion:278 Resp: 3091

Ion Ratio Lower Upper

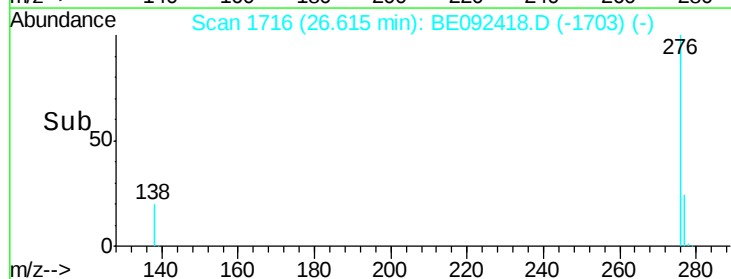
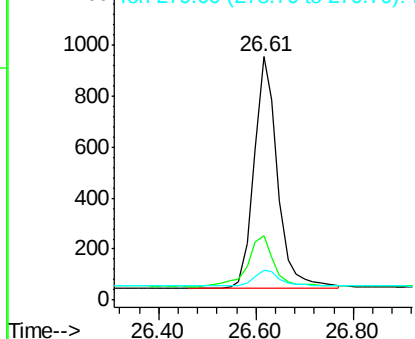
278 100

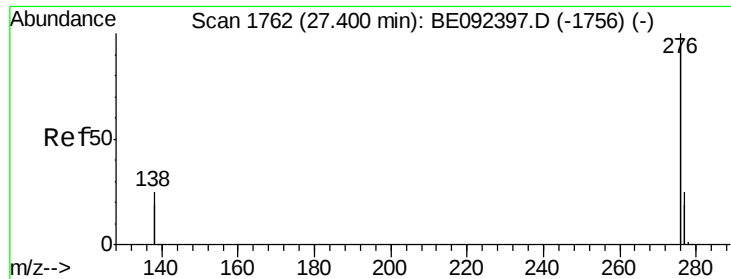
139 26.7 13.8 20.8#

279 12.4 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: 8.87 ng

RT: 27.38 min Scan# 1761

Delta R.T. 0.03 min

Lab File: BE092418.D

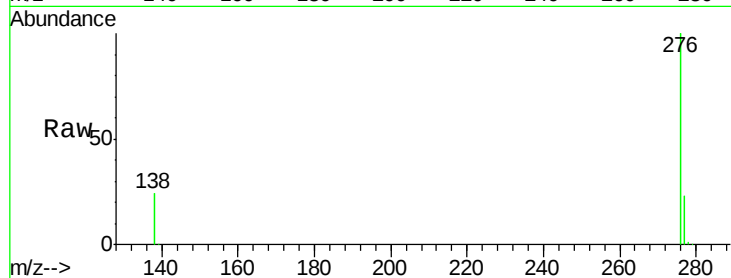
Acq: 23 Sep 2016 16:45

Instrument :

BNA\_E

ClientSampleId :

PT-BN-WPDL



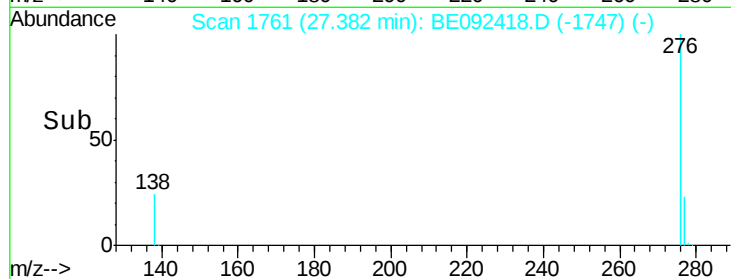
Tgt Ion: 276 Resp: 771655

Ion Ratio Lower Upper

276 100

277 22.5 19.8 29.8

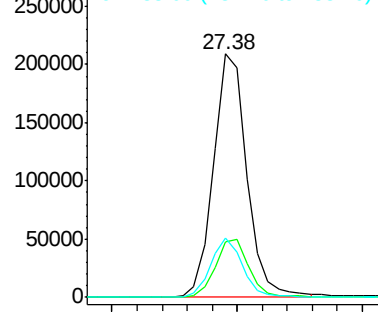
138 24.5 19.8 29.6



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



Time-->