

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\  
 Data File : BE093937.D  
 Acq On : 5 Sep 2017 15:16  
 Operator : SJ/JU  
 Sample : PB102046BSD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB102046BSD

Quant Time: Sep 06 05:26:03 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 13:34:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 2665     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.71 | 136  | 12029    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 6830     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 13684    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 21562    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.94 | 264  | 17499    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.53  | 112 | 2403  | 0.28 | ng | 0.00 |
| 5) Phenol-d6                | 7.11  | 99  | 3227  | 0.25 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 2890  | 0.28 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.30 | 152 | 6032  | 0.31 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 688   | 0.33 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 7130  | 0.26 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.28 | 212 | 64836 | 0.32 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.87 | 244 | 13787 | 0.35 | ng | 0.00 |

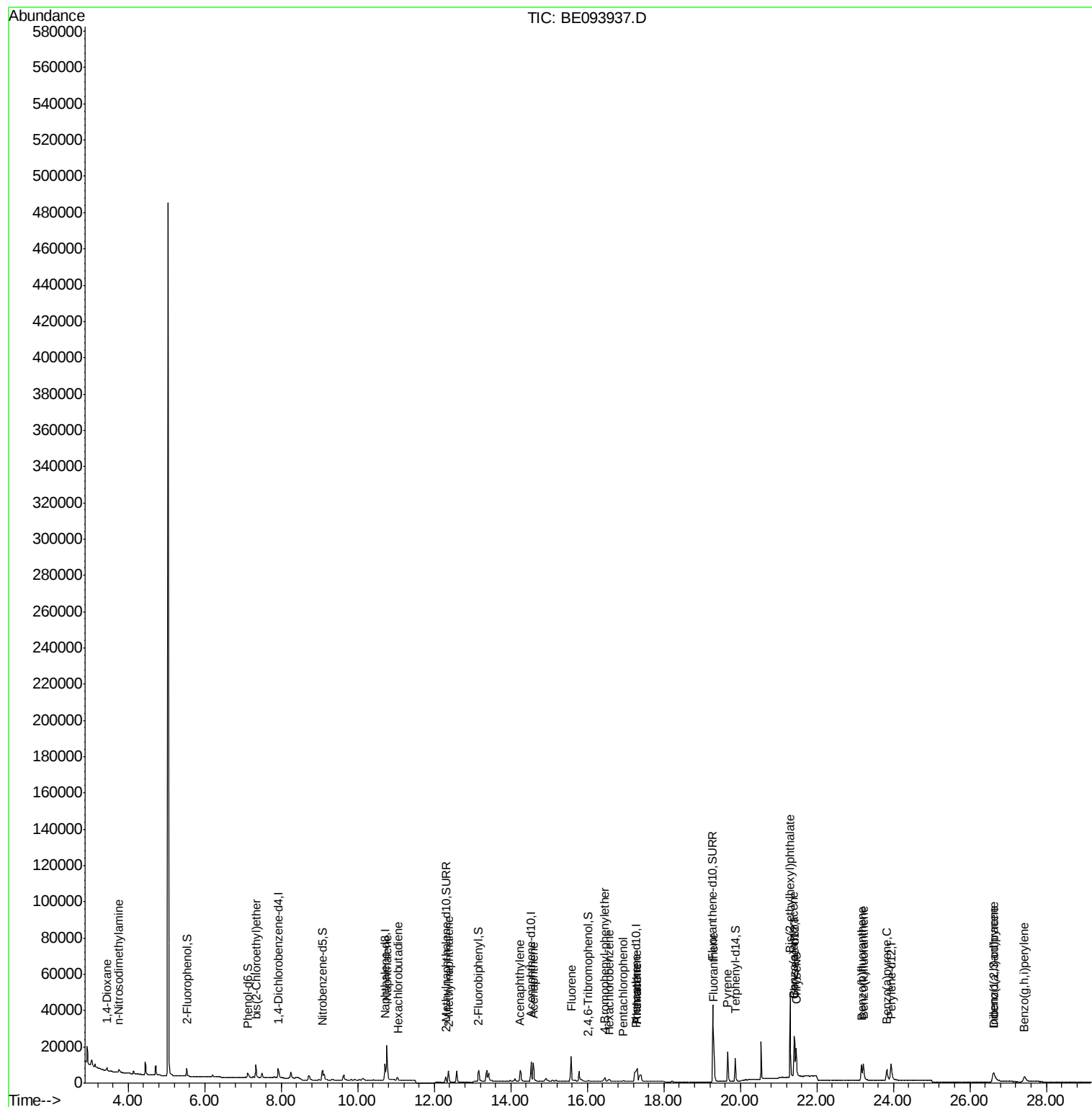
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.44  | 88  | 1017  | 0.277  | ng | # 38  |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 1437  | 0.334  | ng | # 86  |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 2627  | 0.249  | ng | 95    |
| 9) Naphthalene                 | 10.76 | 128 | 35408 | 0.257  | ng | 100   |
| 10) Hexachlorobutadiene        | 11.04 | 225 | 1353  | 0.270  | ng | 99    |
| 12) 2-Methylnaphthalene        | 12.37 | 142 | 5851  | 0.255  | ng | 98    |
| 16) Acenaphthylene             | 14.24 | 152 | 8456  | 0.248  | ng | 100   |
| 17) Acenaphthene               | 14.58 | 154 | 5838  | 0.253  | ng | 98    |
| 18) Fluorene                   | 15.58 | 166 | 7761  | 0.261  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 2009  | 0.215  | ng | 94    |
| 21) Hexachlorobenzene          | 16.58 | 284 | 2001  | 0.248  | ng | # 100 |
| 22) Pentachlorophenol          | 16.94 | 266 | 851   | 0.392  | ng | 98    |
| 23) Phenanthrene               | 17.30 | 178 | 22920 | 0.546  | ng | # 88  |
| 24) Anthracene                 | 17.30 | 178 | 23052 | 0.553  | ng | # 76  |
| 26) Fluoranthene               | 19.31 | 202 | 17351 | 0.285  | ng | 99    |
| 28) Pyrene                     | 19.67 | 202 | 18100 | 0.244  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 17329 | 0.262  | ng | 99    |
| 31) Chrysene                   | 21.46 | 228 | 17196 | 0.245  | ng | 97    |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 48233 | 0.300  | ng | 100   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.60 | 276 | 11661 | 0.250  | ng | 96    |
| 35) Benzo(b)fluoranthene       | 23.16 | 252 | 14460 | 0.259  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 23.21 | 252 | 17636 | 0.258  | ng | 96    |
| 37) Benzo(a)pyrene             | 23.83 | 252 | 14720 | 0.259  | ng | 96    |
| 38) Dibenzo(a,h)anthracene     | 26.63 | 278 | 9230  | 0.245  | ng | 95    |
| 39) Benzo(g,h,i)perylene       | 27.42 | 276 | 9902  | 0.249  | ng | 98    |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

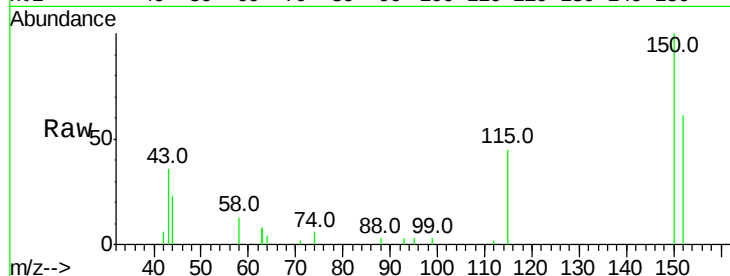
Tot Ion:152 Resp: 2665

Ion Ratio Lower Upper

152 100

150 164.8 121.8 182.6

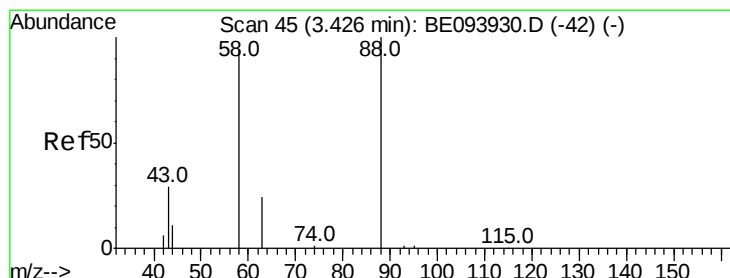
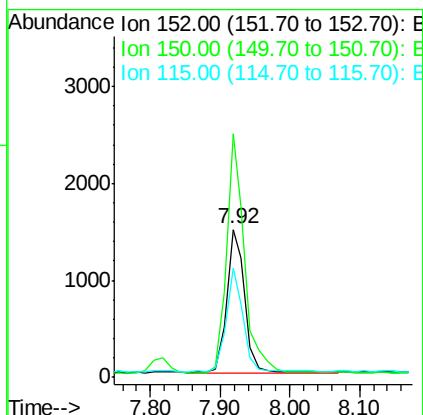
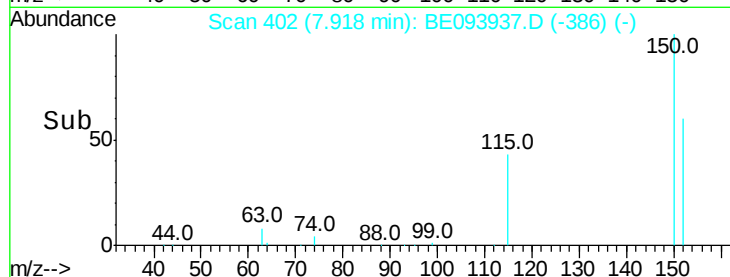
115 74.3 52.6 79.0



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: 0.277 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

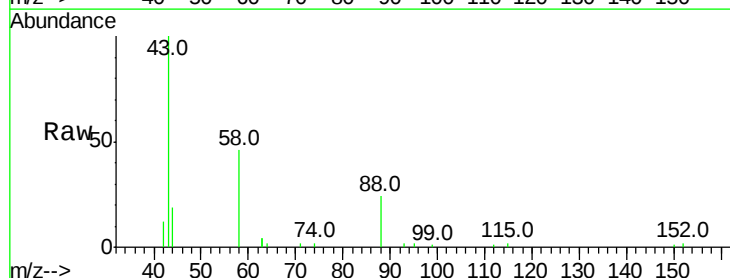
Tgt Ion: 88 Resp: 1017

Ion Ratio Lower Upper

88 100

58 139.4 65.4 98.0#

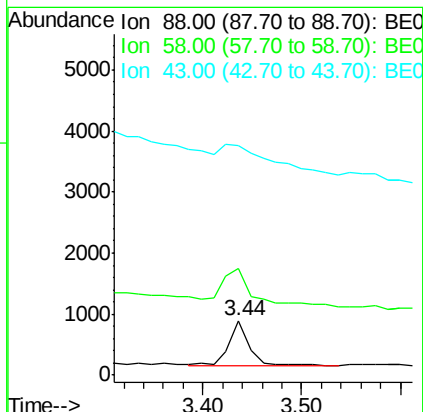
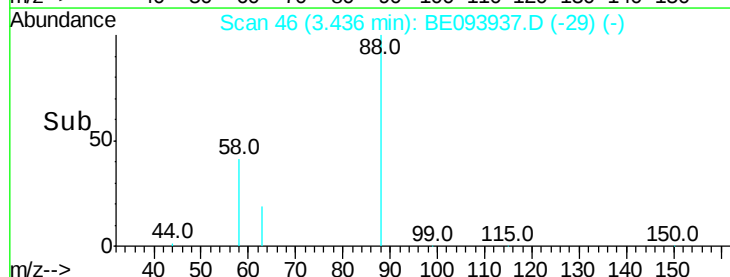
43 0.0 23.9 35.9#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.334 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

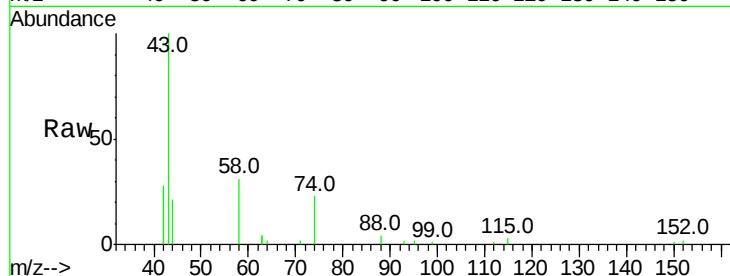
Tot Ion: 42 Resp: 1437

Ion Ratio Lower Upper

42 100

74 113.2 104.0 156.0

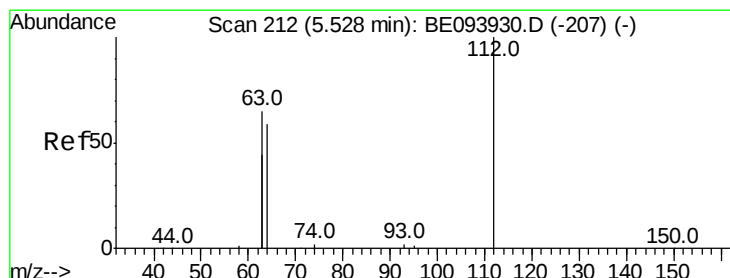
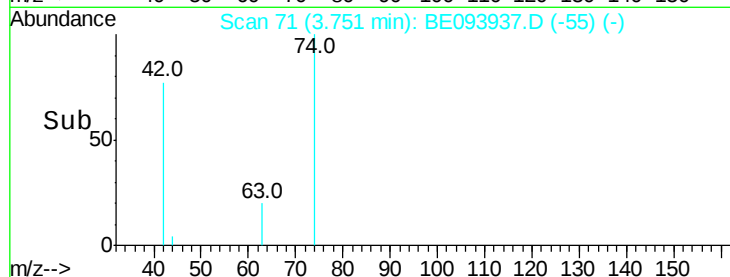
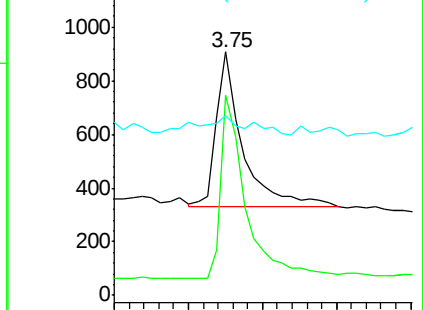
44 12.9 13.8 20.8#



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: 0.279 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

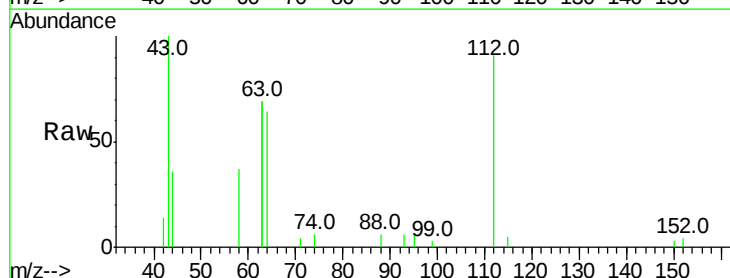
Tgt Ion: 112 Resp: 2403

Ion Ratio Lower Upper

112 100

64 70.9 57.7 86.5

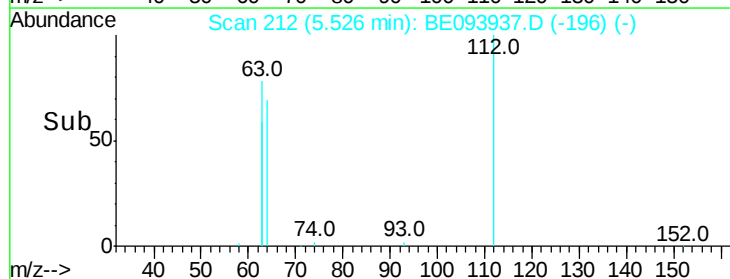
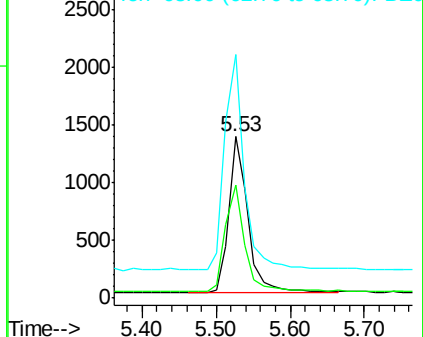
63 142.8 116.0 174.0

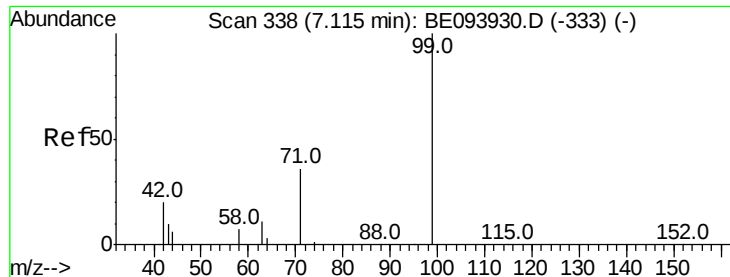


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.250 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

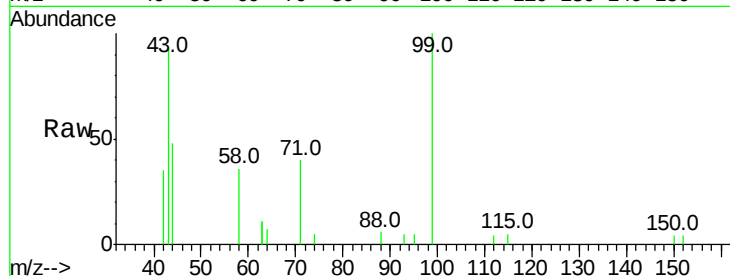
Tot Ion: 99 Resp: 3227

Ion Ratio Lower Upper

99 100

42 20.0 17.1 25.7

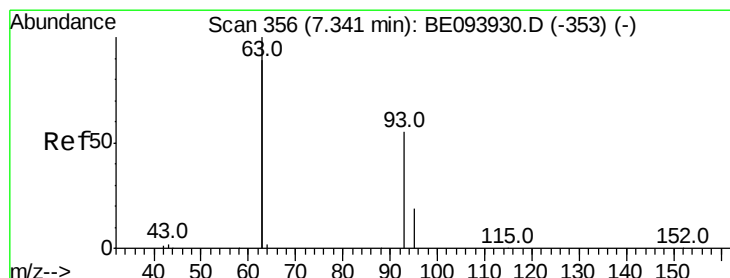
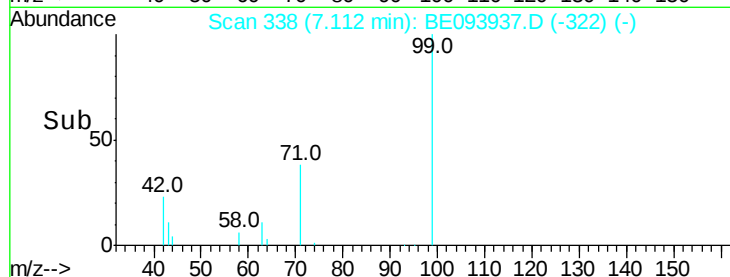
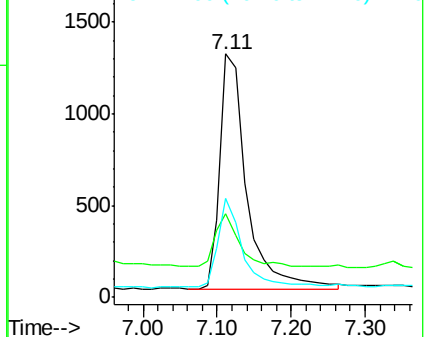
71 35.1 26.6 39.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.249 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

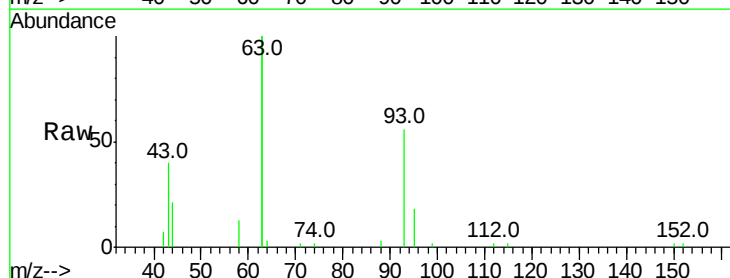
Tgt Ion: 93 Resp: 2627

Ion Ratio Lower Upper

93 100

63 343.2 283.4 425.2

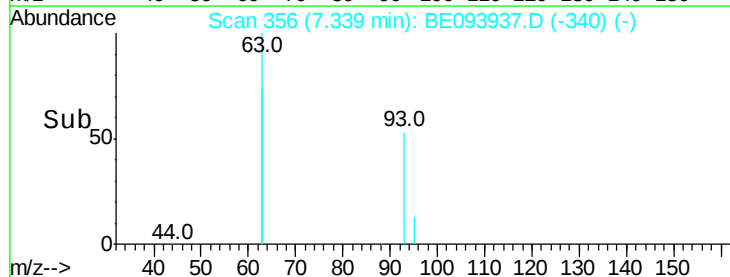
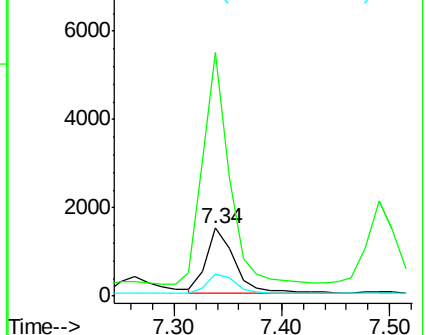
95 30.3 26.9 40.3

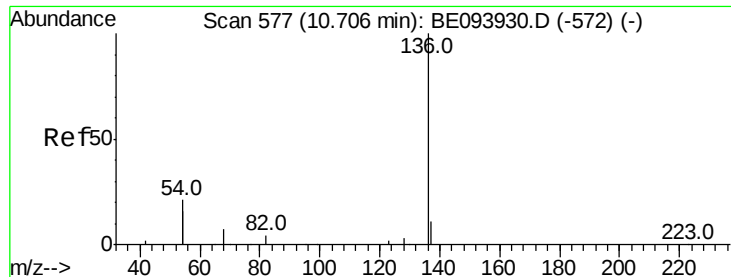


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

Tot Ion:136 Resp: 12029

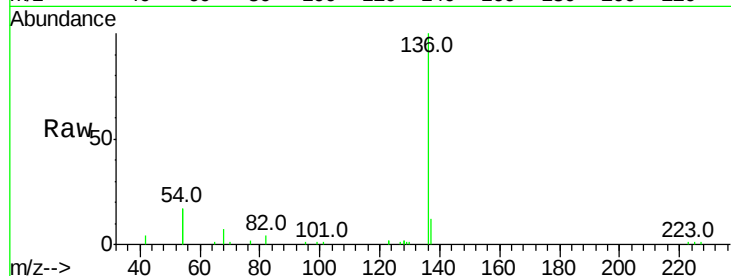
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 34.5 21.9 32.9#

68 6.9 4.6 7.0

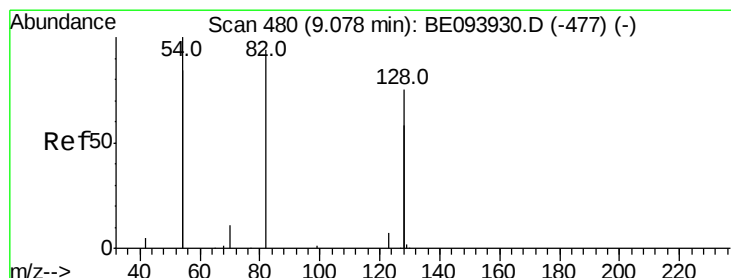
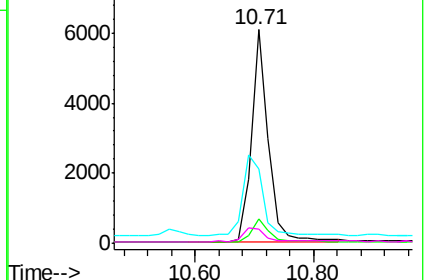
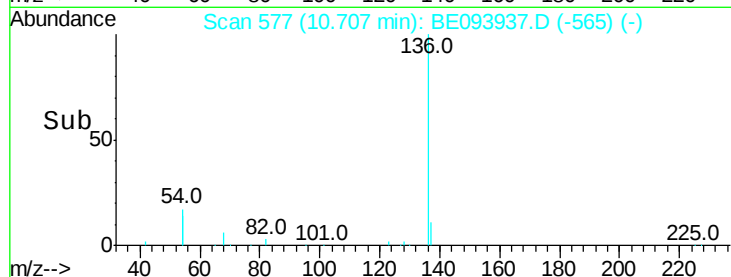


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.284 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

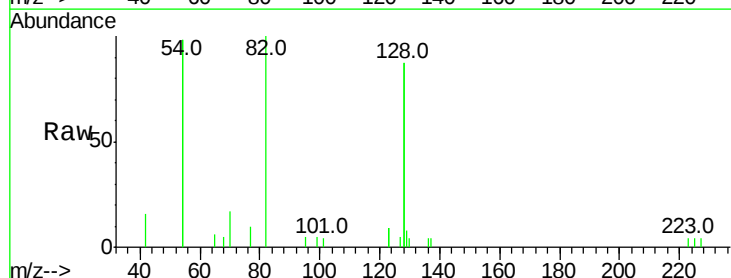
Tgt Ion: 82 Resp: 2890

Ion Ratio Lower Upper

82 100

128 174.7 91.4 137.0#

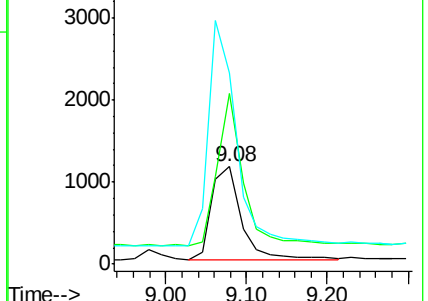
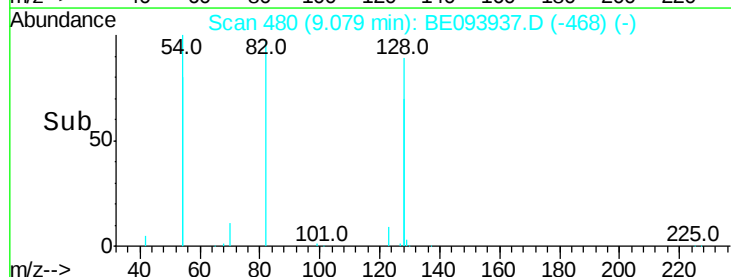
54 196.0 197.8 296.8#



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





#9

Naphthalene

Concen: 0.257 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

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BNA\_E

ClientSampleId :

PB102046BSD

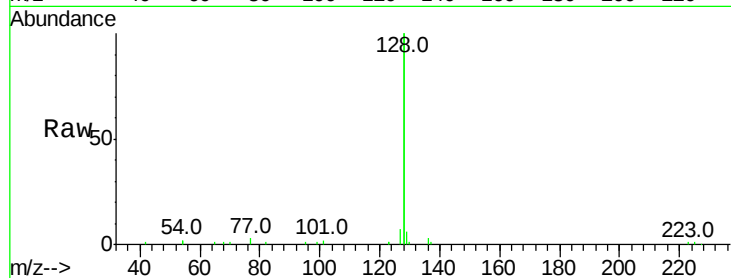
Tot Ion:128 Resp: 35408

Ion Ratio Lower Upper

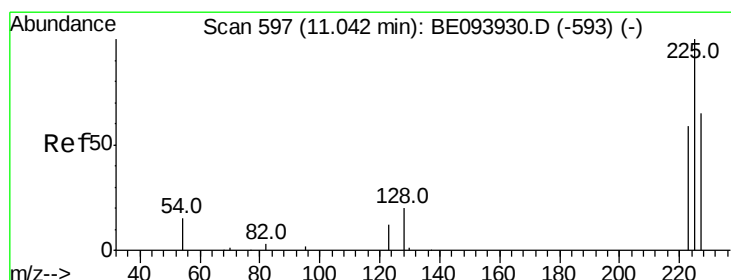
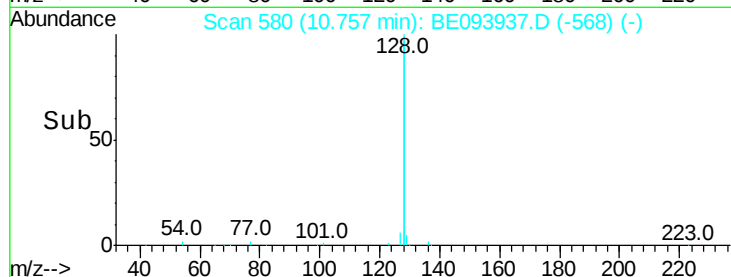
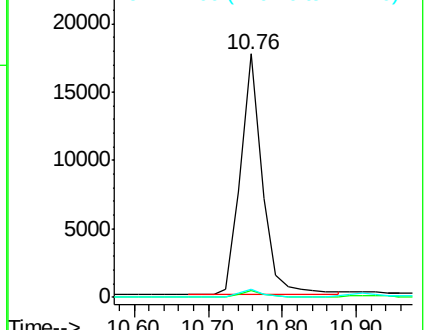
128 100

129 3.0 2.5 3.7

127 3.4 2.6 4.0



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: 0.270 ng

RT: 11.04 min Scan# 597

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

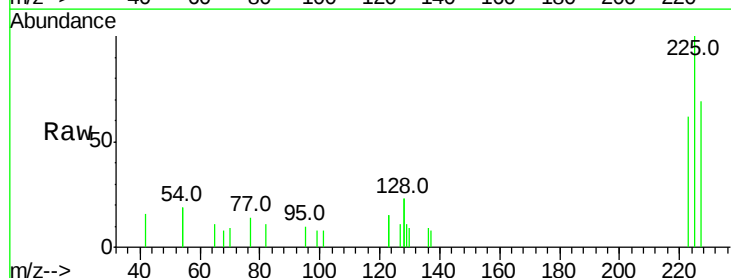
Tgt Ion:225 Resp: 1353

Ion Ratio Lower Upper

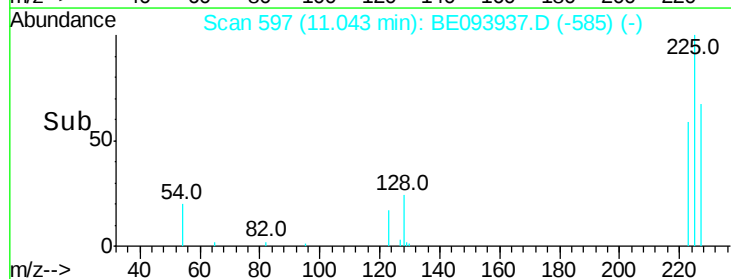
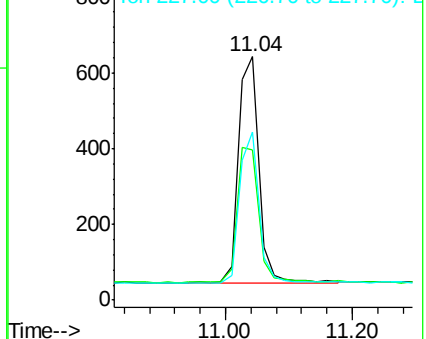
225 100

223 62.1 49.4 74.0

227 63.9 50.5 75.7



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-d10

Concen: 0.313 ng

RT: 12.30 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

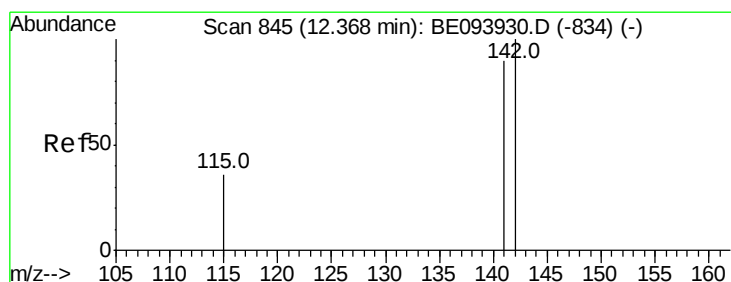
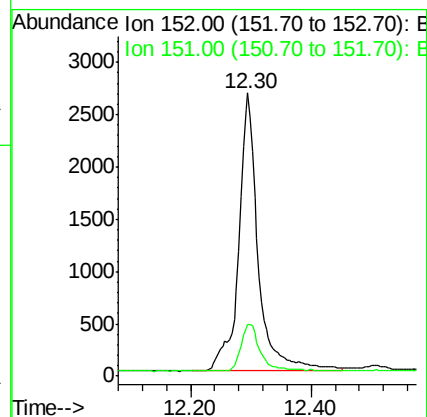
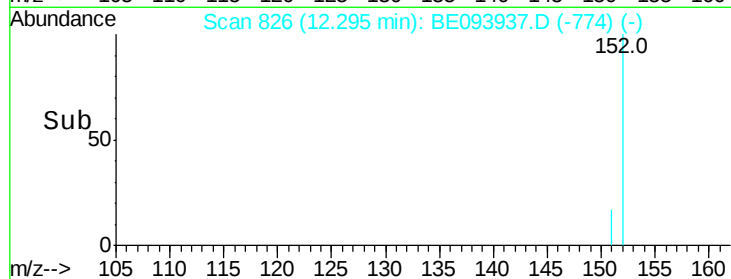
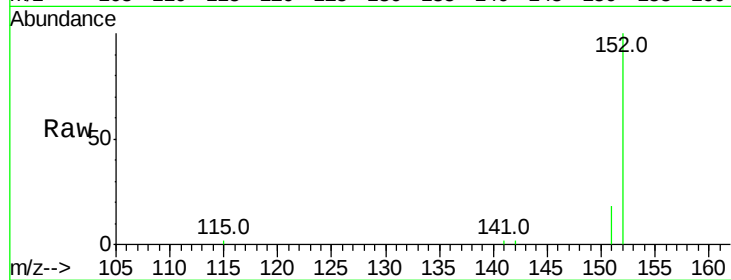
PB102046BSD

Tot Ion:152 Resp: 6032

Ion Ratio Lower Upper

152 100

151 16.5 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.255 ng

RT: 12.37 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

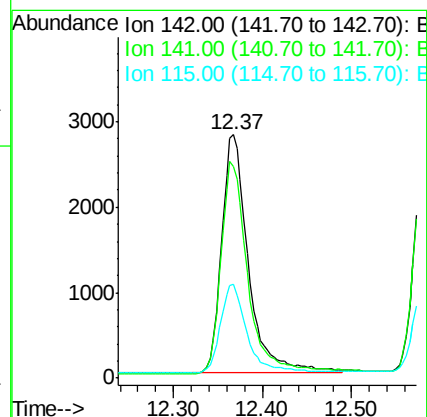
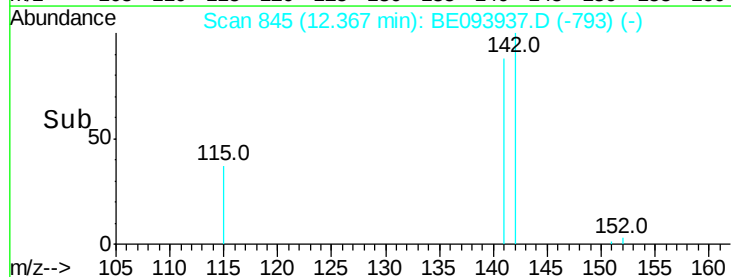
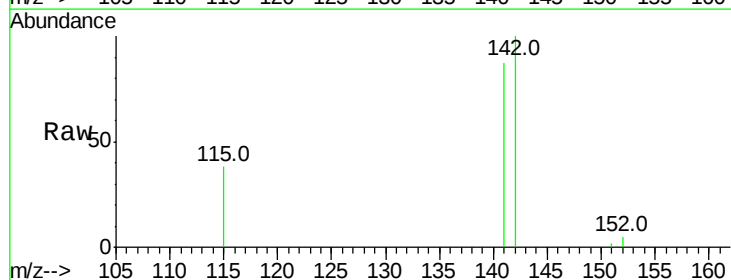
Tgt Ion:142 Resp: 5851

Ion Ratio Lower Upper

142 100

141 87.1 71.4 107.2

115 38.4 29.4 44.0

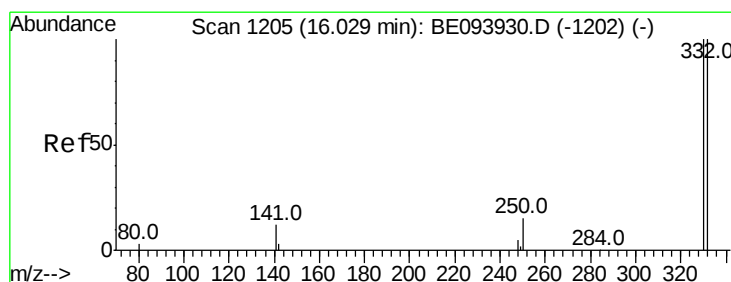
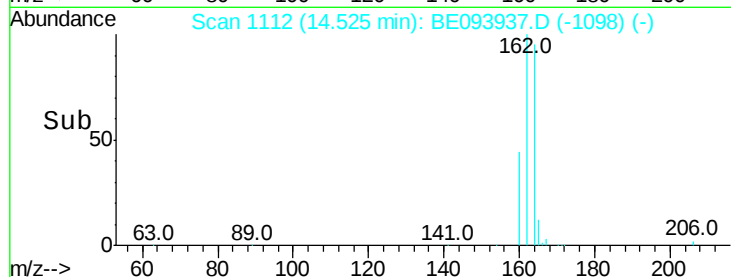
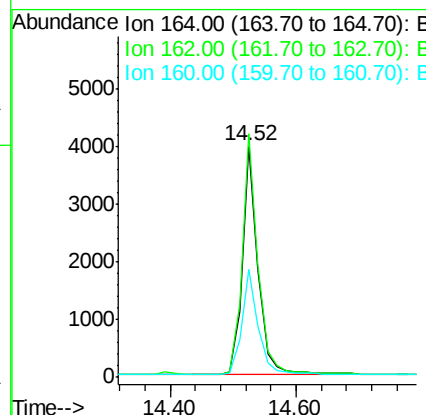
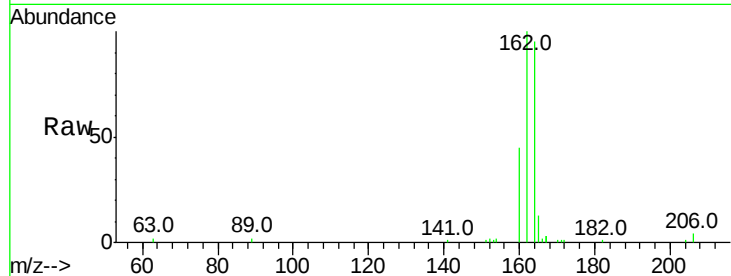




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.52 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: BE093937.D  
 Acq: 5 Sep 2017 15:16

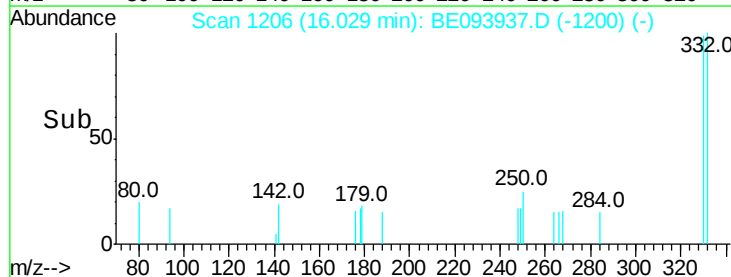
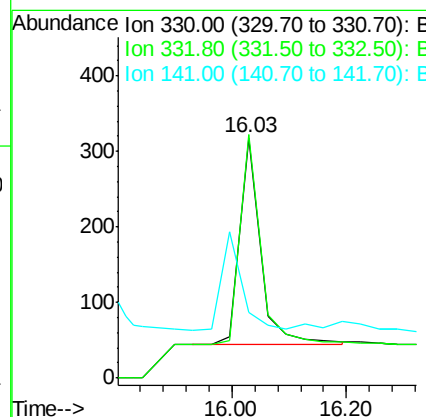
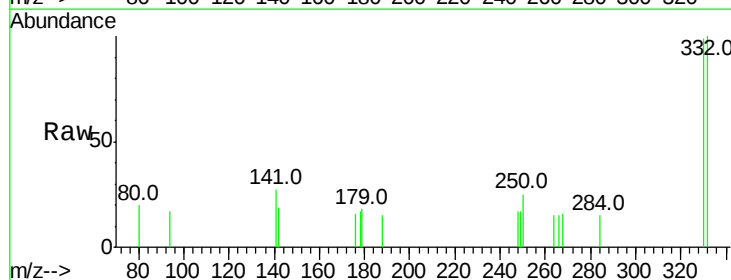
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB102046BSD

Tot Ion:164 Resp: 6830  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 80.8 121.2  
 160 46.8 37.0 55.4



#14  
 2,4,6-Tribromophenol  
 Concen: 0.325 ng  
 RT: 16.03 min Scan# 1206  
 Delta R.T. 0.00 min  
 Lab File: BE093937.D  
 Acq: 5 Sep 2017 15:16

Tgt Ion:330 Resp: 688  
 Ion Ratio Lower Upper  
 330 100  
 332 99.4 76.9 115.3  
 141 0.0 0.0 0.0

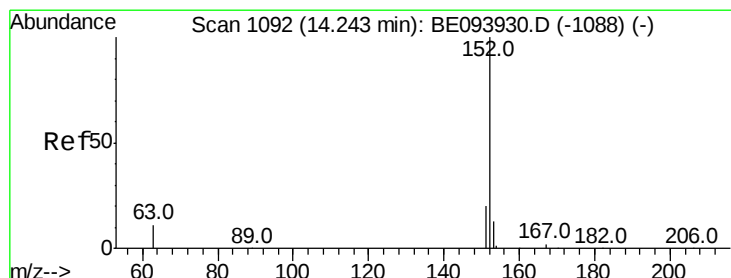
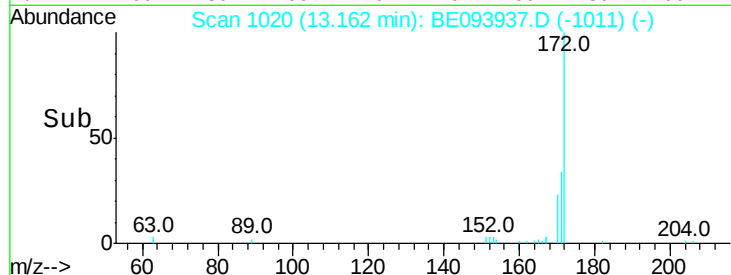
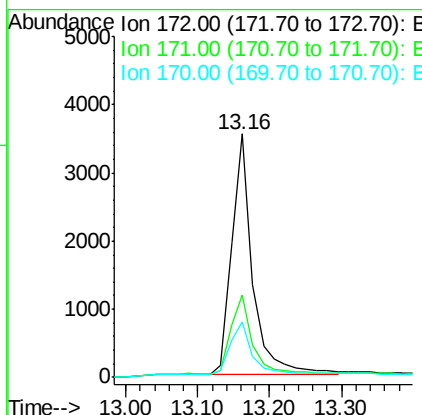
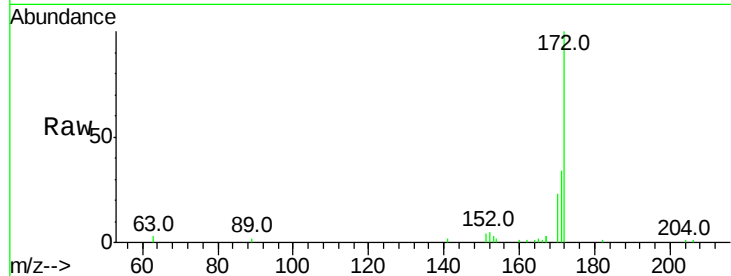




#15  
2-Fluorobiphenyl  
Concen: 0.264 ng  
RT: 13.16 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

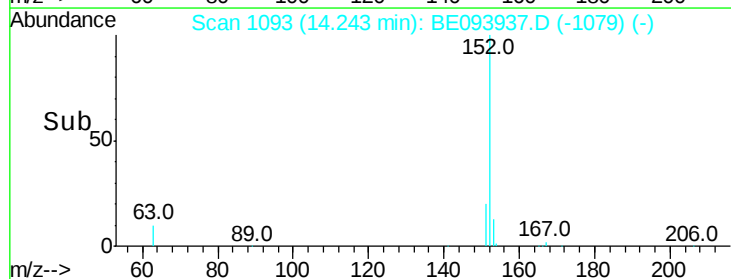
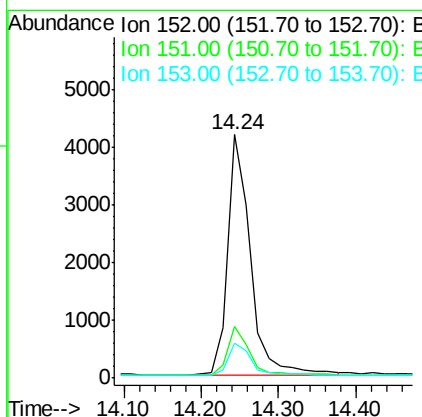
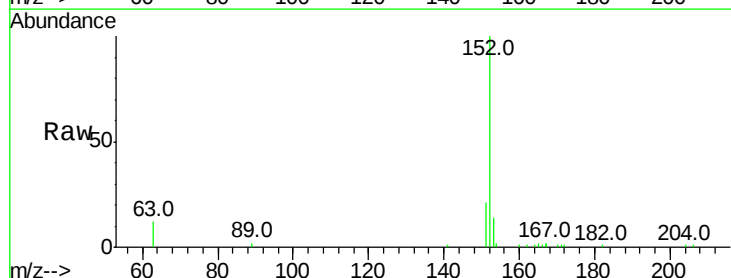
Instrument :  
BNA\_E  
ClientSampleId :  
PB102046BSD

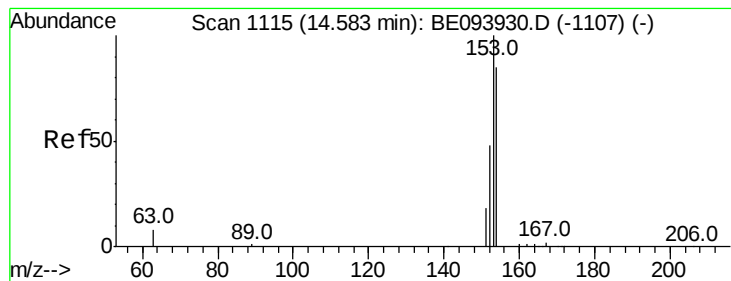
Tot Ion:172 Resp: 7130  
Ion Ratio Lower Upper  
172 100  
171 33.8 26.9 40.3  
170 22.9 17.3 25.9



#16  
Acenaphthylene  
Concen: 0.248 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

Tgt Ion:152 Resp: 8456  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.6 10.6 16.0





#17

Acenaphthene

Concen: 0.253 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

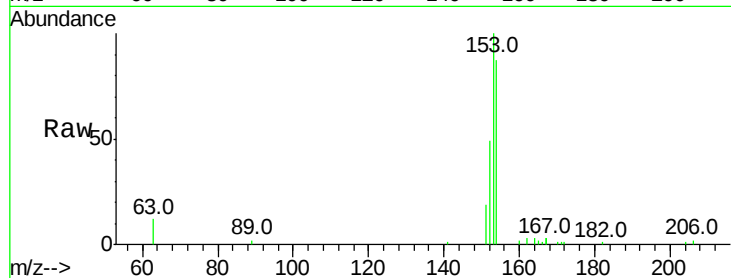
Tot Ion:154 Resp: 5838

Ion Ratio Lower Upper

154 100

153 112.9 91.8 137.6

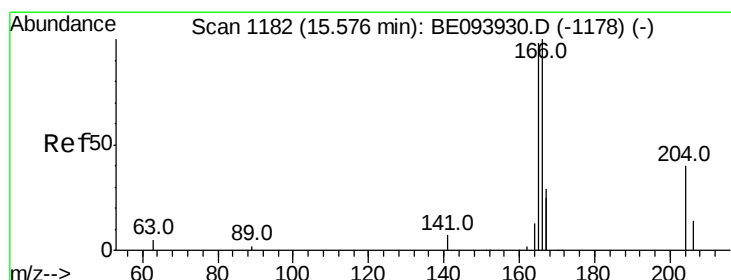
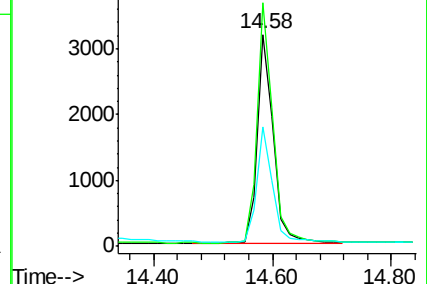
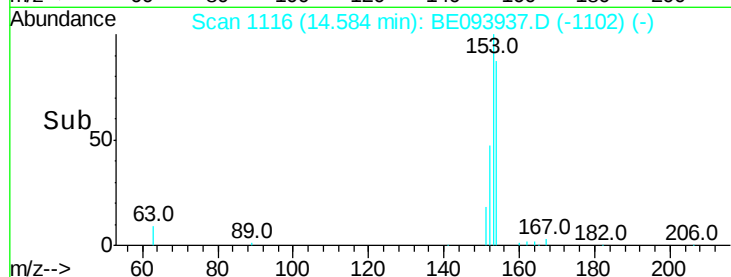
152 54.1 44.9 67.3



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



#18

Fluorene

Concen: 0.261 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

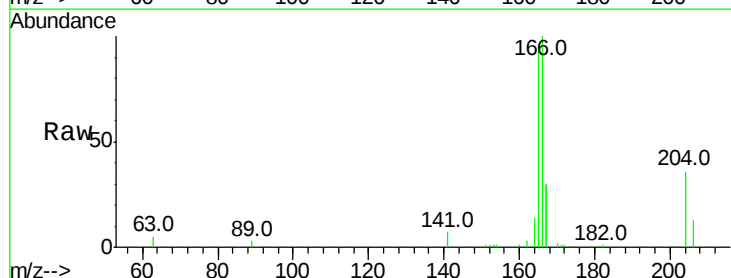
Tgt Ion:166 Resp: 7761

Ion Ratio Lower Upper

166 100

165 97.6 79.4 119.0

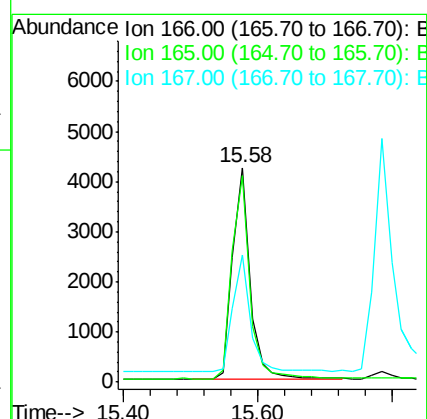
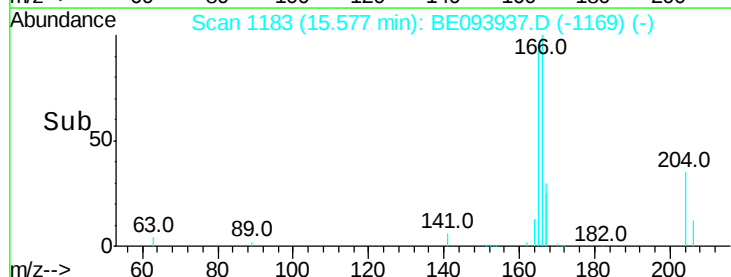
167 54.7 43.5 65.3

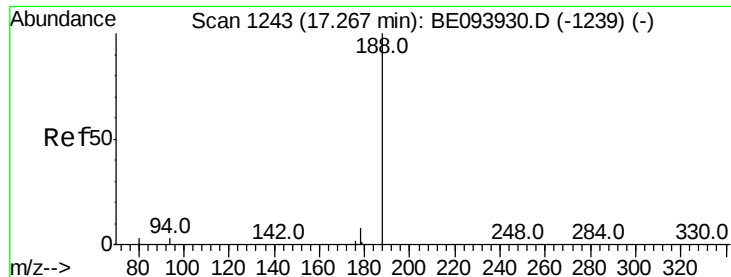


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

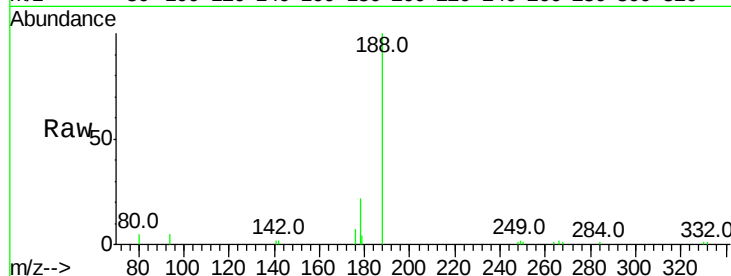
Tot Ion:188 Resp: 13684

Ion Ratio Lower Upper

188 100

94 4.7 16.1 24.1#

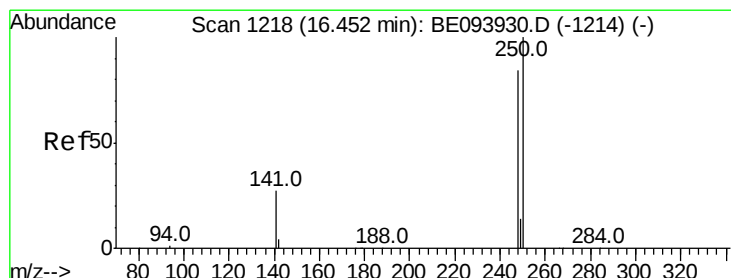
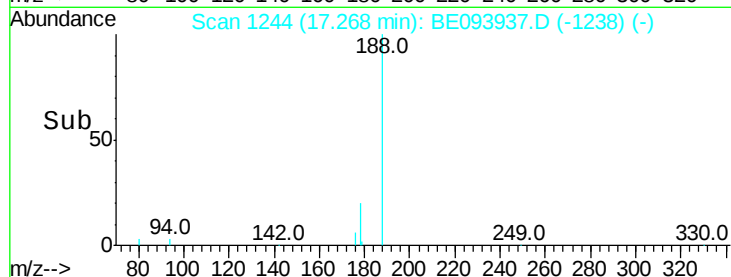
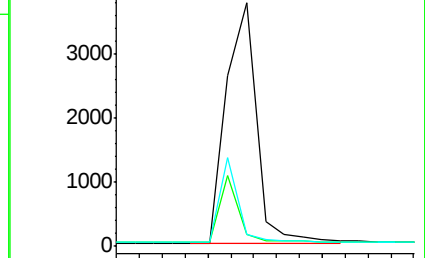
80 4.7 18.2 27.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.215 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

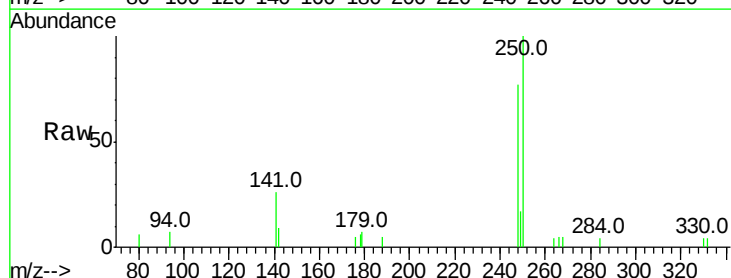
Tgt Ion:248 Resp: 2009

Ion Ratio Lower Upper

248 100

250 130.1 111.8 167.8

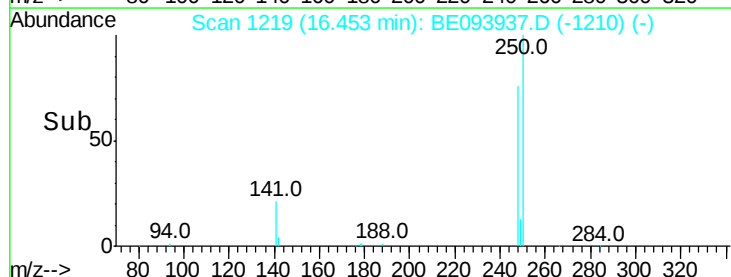
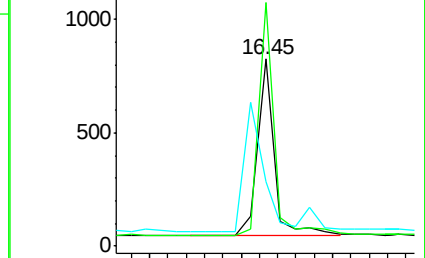
141 34.1 27.1 40.7



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.248 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

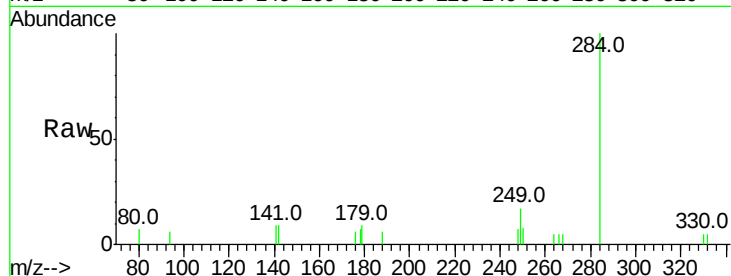
Tot Ion:284 Resp: 2001

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

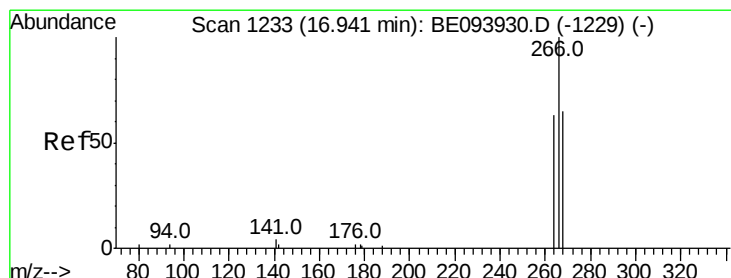
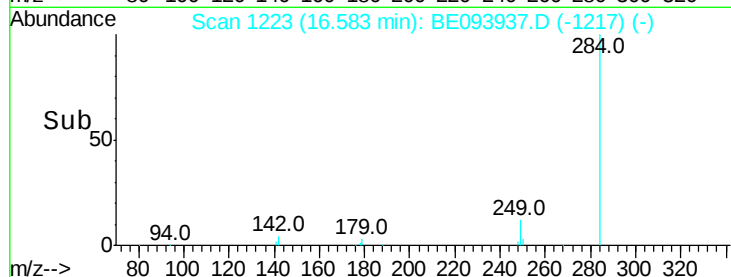
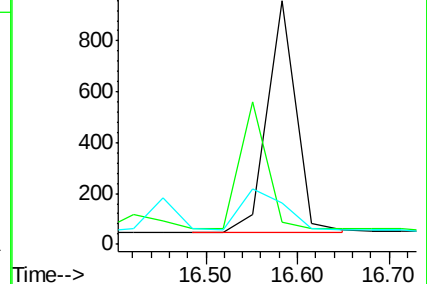
249 0.0 0.0 0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.392 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

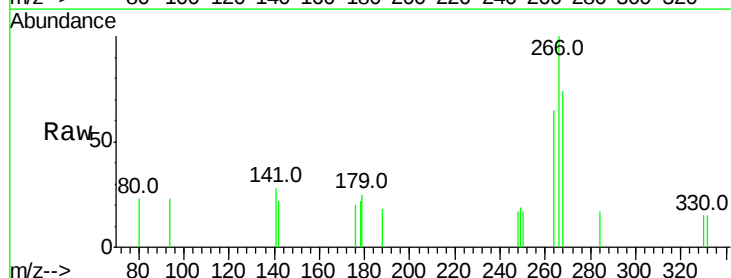
Tgt Ion:266 Resp: 851

Ion Ratio Lower Upper

266 100

264 64.5 53.5 80.3

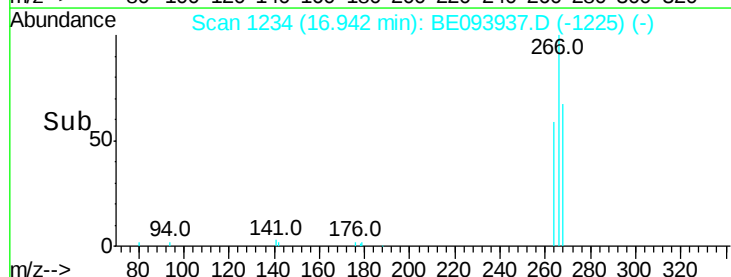
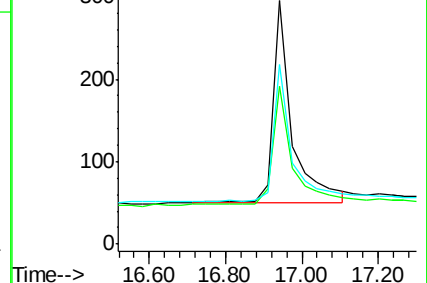
268 73.6 60.0 90.0

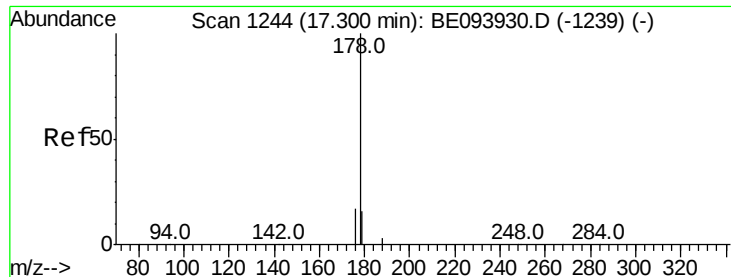


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

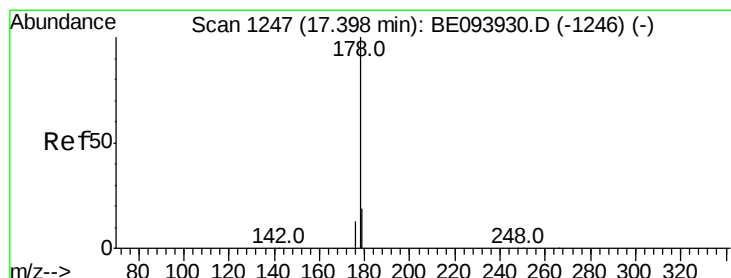
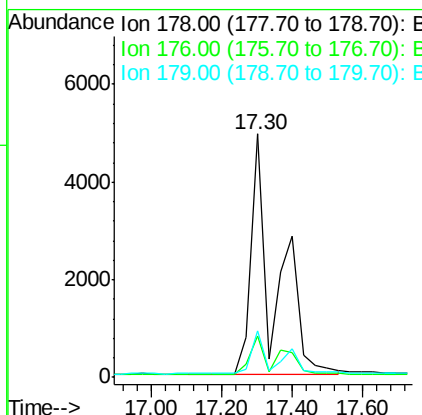
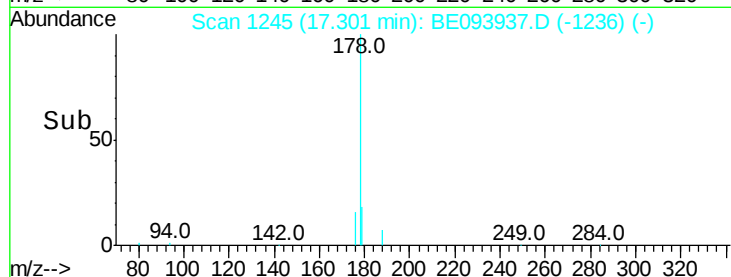
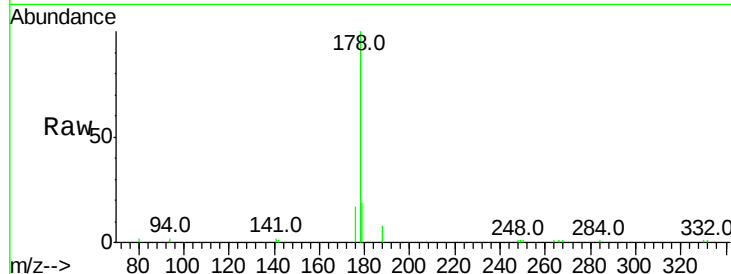




#23  
Phenanthrene  
Concen: 0.546 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. 0.00 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

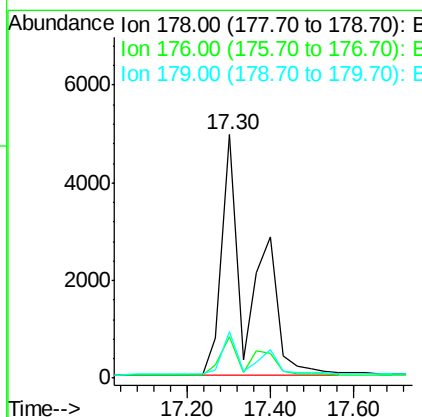
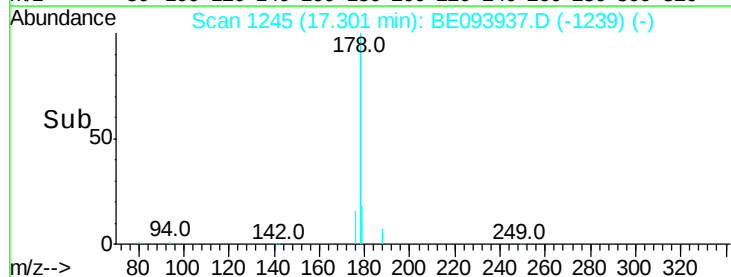
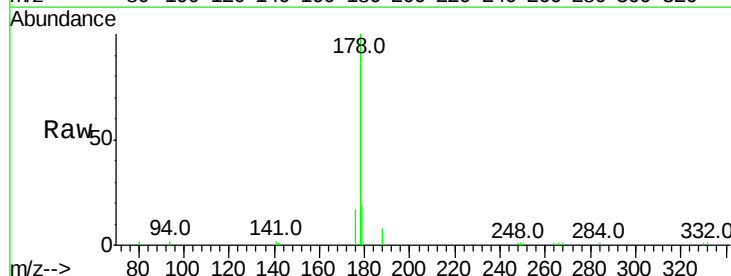
Instrument :  
BNA\_E  
ClientSampleId :  
PB102046BSD

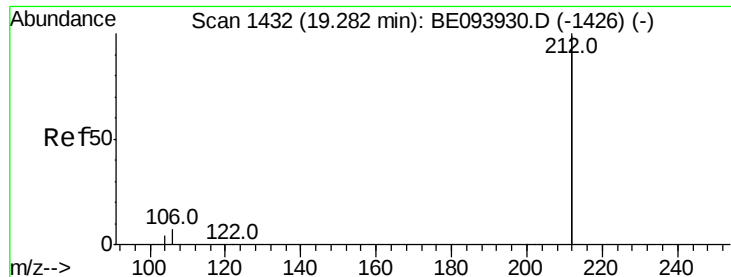
Tot Ion:178 Resp: 22920  
Ion Ratio Lower Upper  
178 100  
176 9.2 0.0 0.0#  
179 10.8 12.6 18.8#



#24  
Anthracene  
Concen: 0.553 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. -0.10 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

Tgt Ion:178 Resp: 23052  
Ion Ratio Lower Upper  
178 100  
176 9.0 16.0 24.0#  
179 10.7 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.318 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

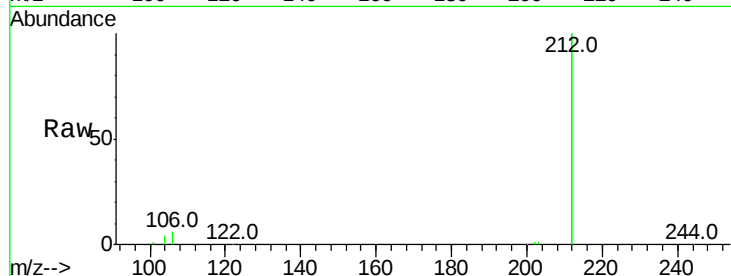
Tot Ion:212 Resp: 64836

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

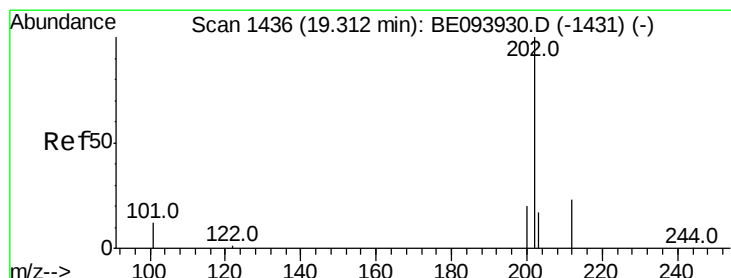
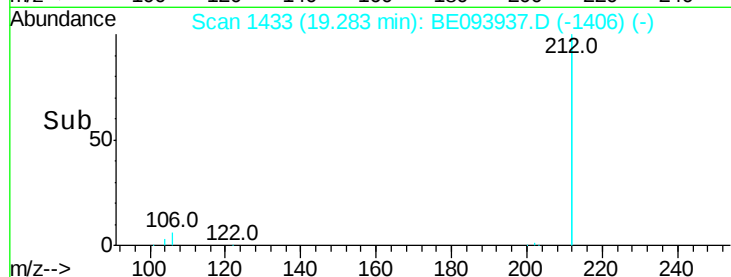
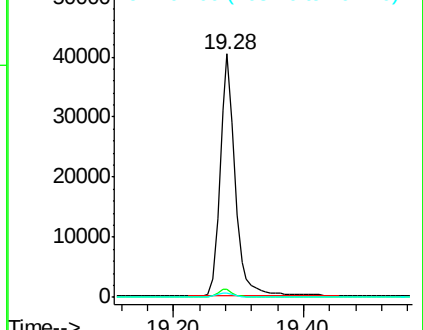
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.285 ng

RT: 19.31 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

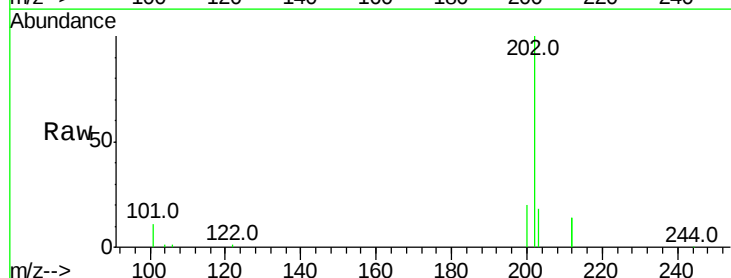
Tgt Ion:202 Resp: 17351

Ion Ratio Lower Upper

202 100

101 12.4 9.7 14.5

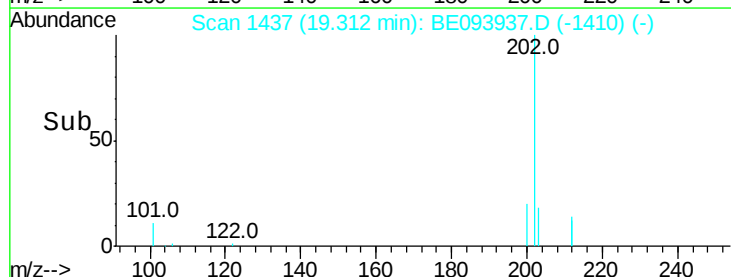
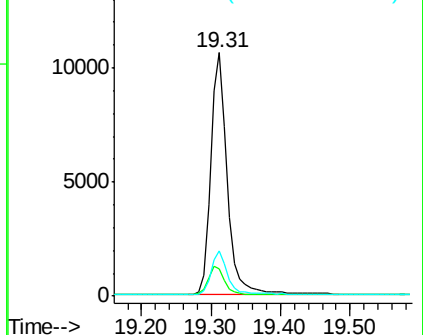
203 17.3 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

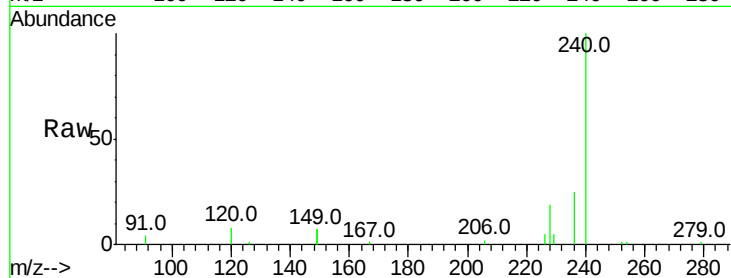
Tot Ion:240 Resp: 21562

Ion Ratio Lower Upper

240 100

120 8.1 8.7 13.1#

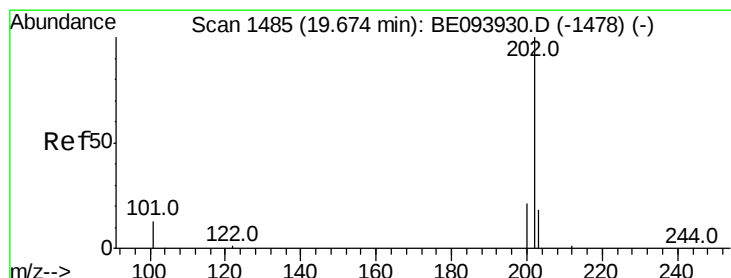
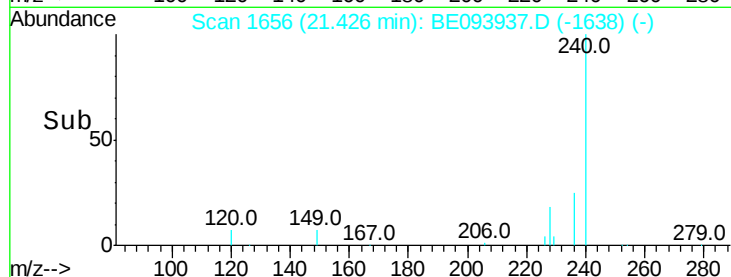
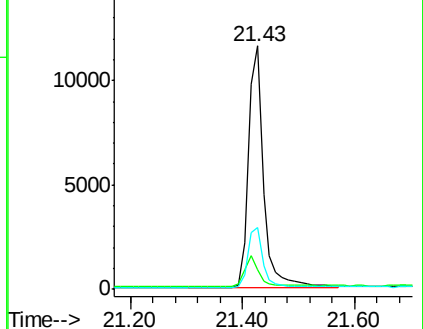
236 25.3 21.3 31.9



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



#28

Pyrene

Concen: 0.244 ng

RT: 19.67 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

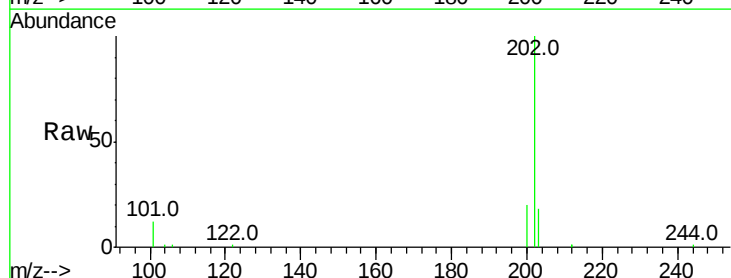
Tgt Ion:202 Resp: 18100

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

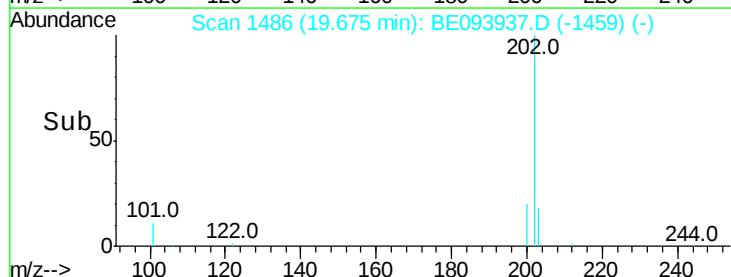
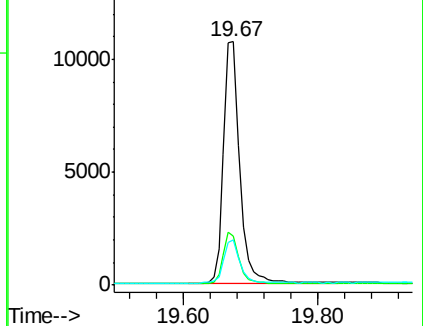
203 17.9 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.348 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

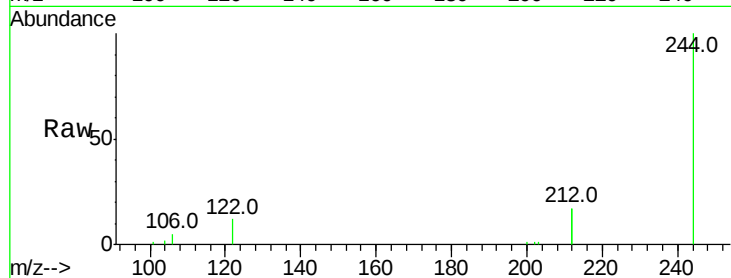
Tot Ion:244 Resp: 13787

Ion Ratio Lower Upper

244 100

212 33.2 28.3 42.5

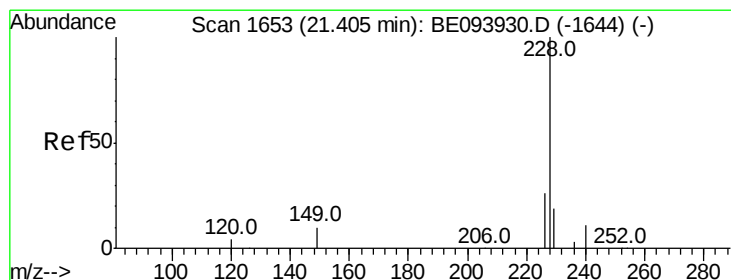
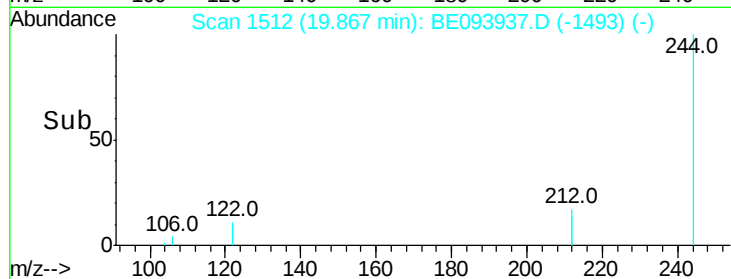
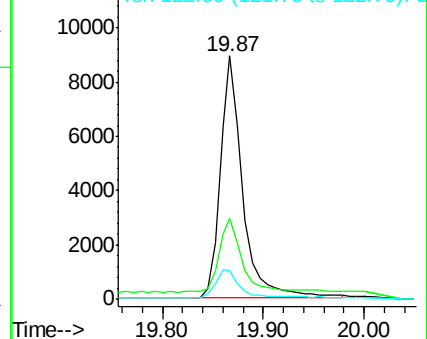
122 11.6 9.4 14.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.262 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

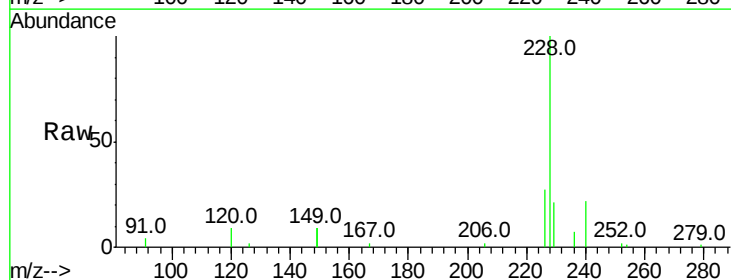
Tgt Ion:228 Resp: 17329

Ion Ratio Lower Upper

228 100

226 26.7 20.8 31.2

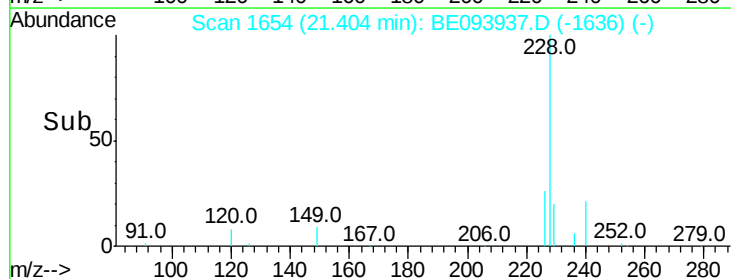
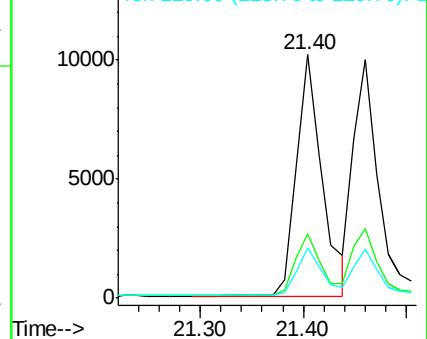
229 20.5 16.6 25.0

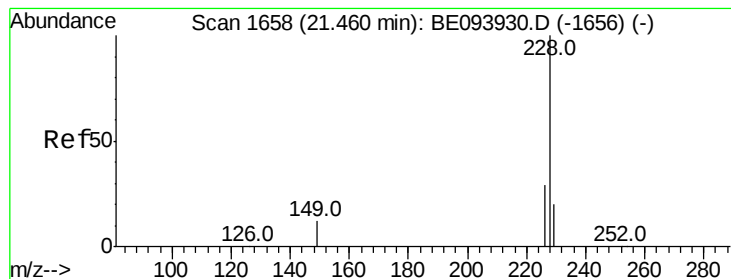


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.245 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

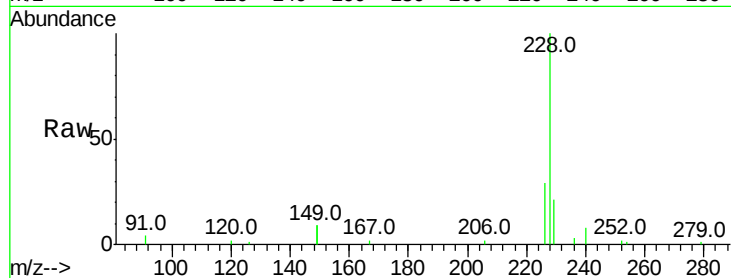
Tot Ion:228 Resp: 17196

Ion Ratio Lower Upper

228 100

226 29.0 24.6 37.0

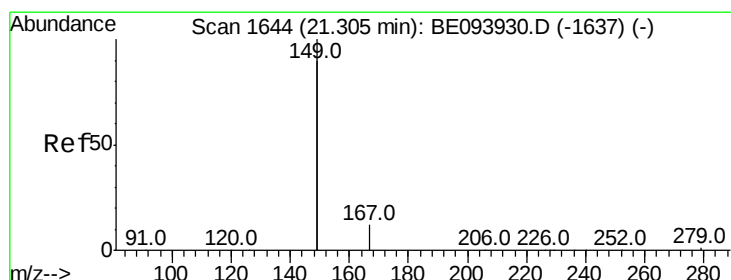
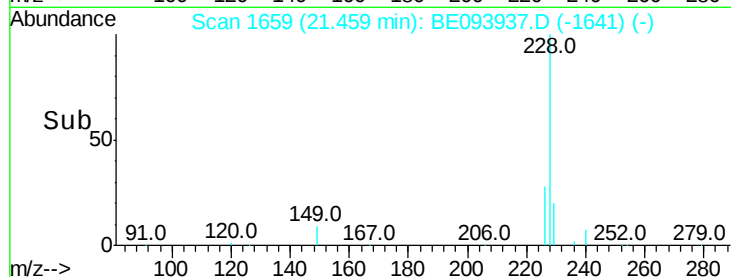
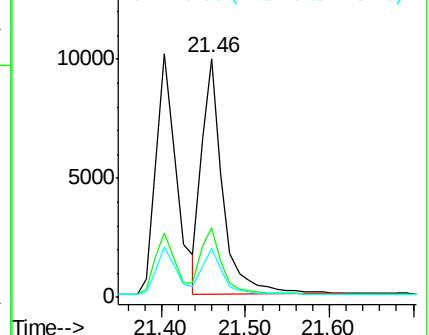
229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.300 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

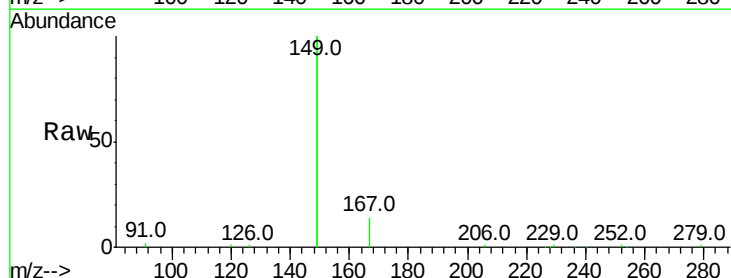
Tgt Ion:149 Resp: 48233

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

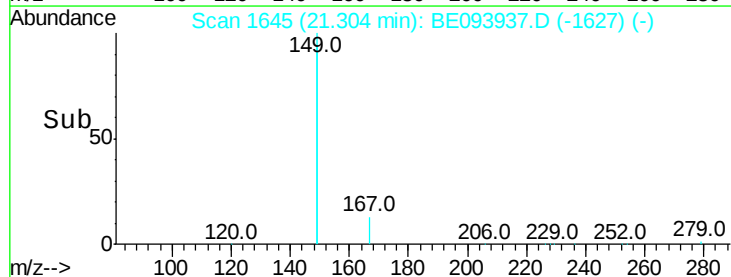
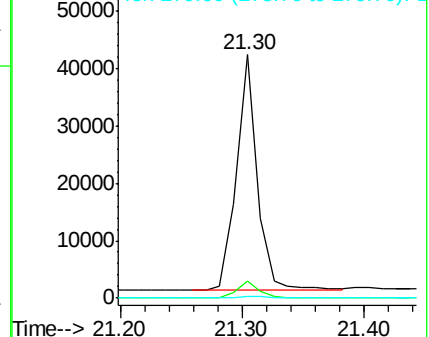
279 0.9 0.7 1.1



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

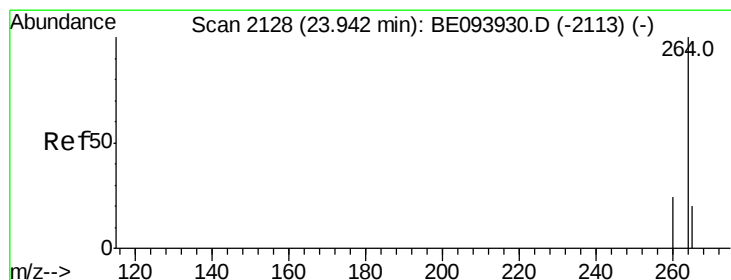
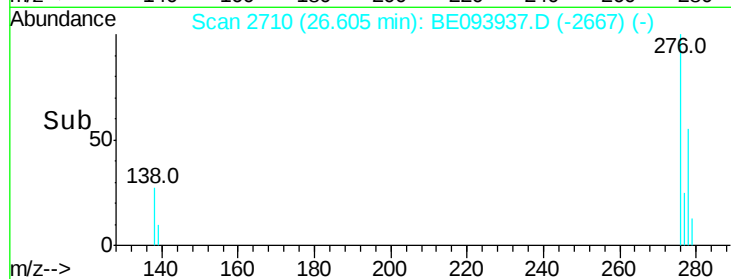
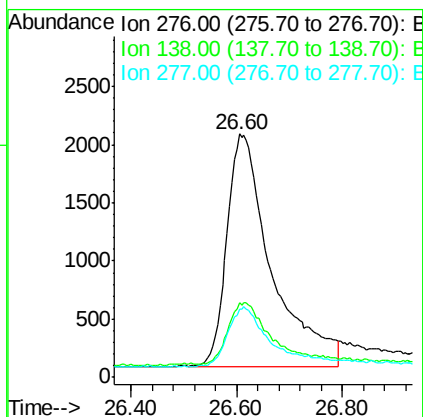
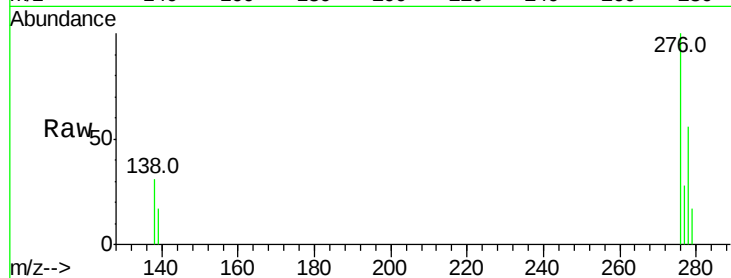




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.250 ng  
 RT: 26.60 min Scan# 2710  
 Delta R.T. -0.00 min  
 Lab File: BE093937.D  
 Acq: 5 Sep 2017 15:16

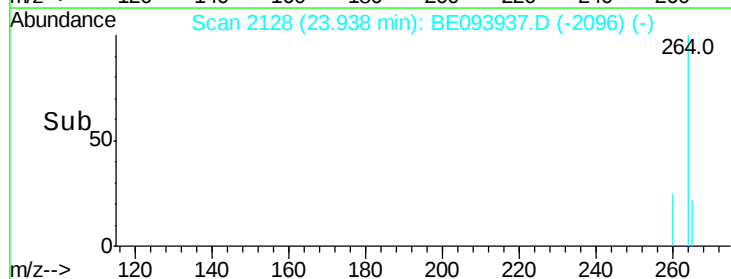
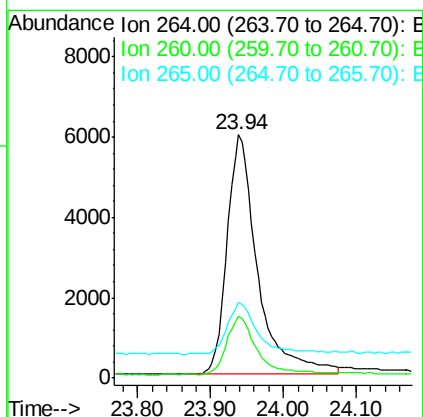
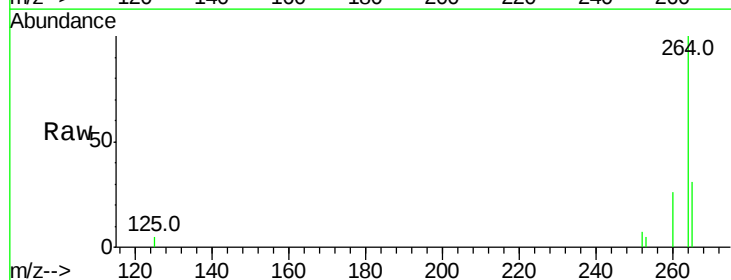
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB102046BSD

Tot Ion:276 Resp: 11661  
 Ion Ratio Lower Upper  
 276 100  
 138 25.0 22.2 33.2  
 277 25.7 19.5 29.3



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.94 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: BE093937.D  
 Acq: 5 Sep 2017 15:16

Tgt Ion:264 Resp: 17499  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 20.0 30.0  
 265 31.2 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.259 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD

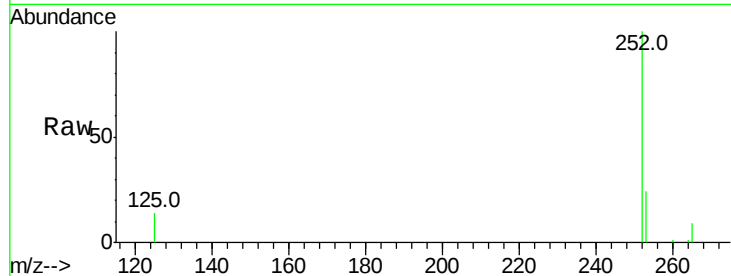
Tot Ion:252 Resp: 14460

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.0

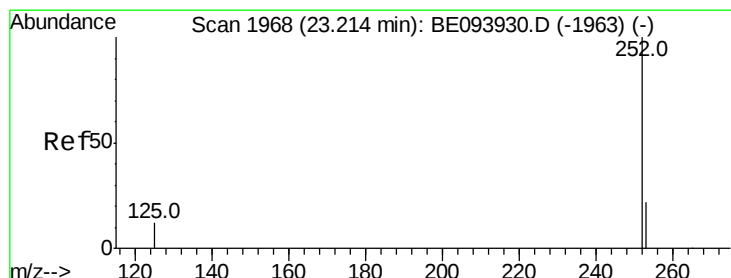
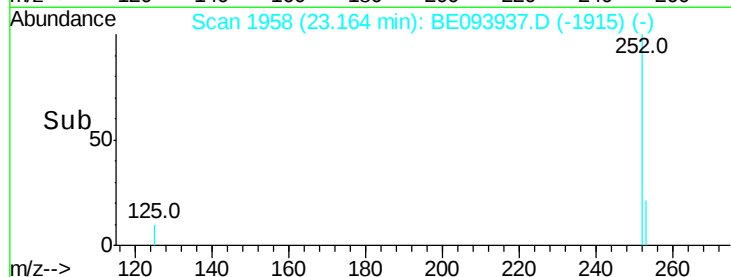
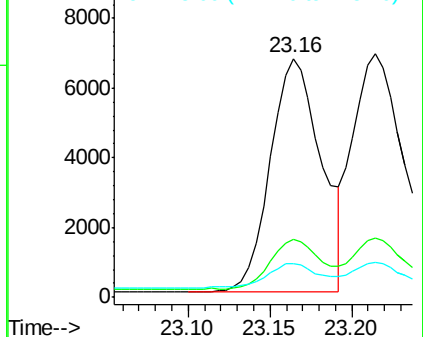
125 14.1 10.0 15.0



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



#36

Benzo(k)fluoranthene

Concen: 0.258 ng

RT: 23.21 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BE093937.D

Acq: 5 Sep 2017 15:16

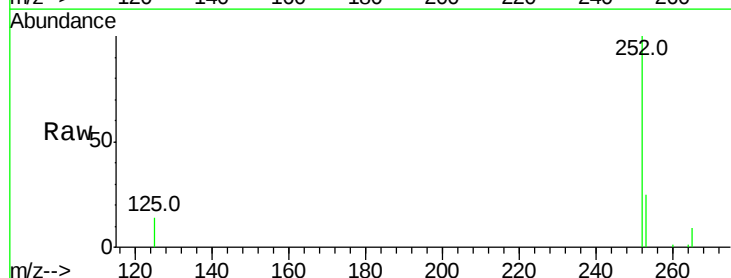
Tgt Ion:252 Resp: 17636

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

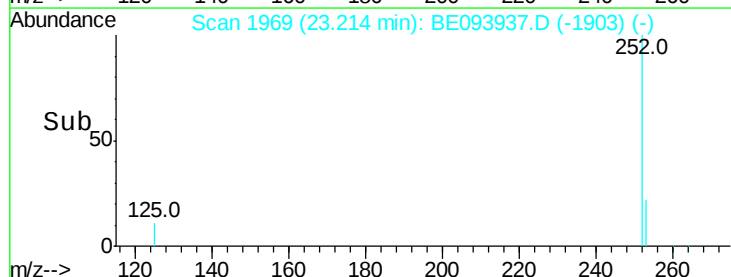
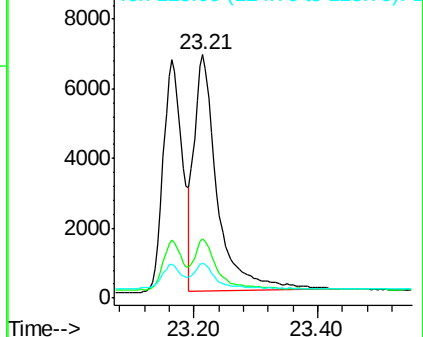
125 14.2 9.8 14.6

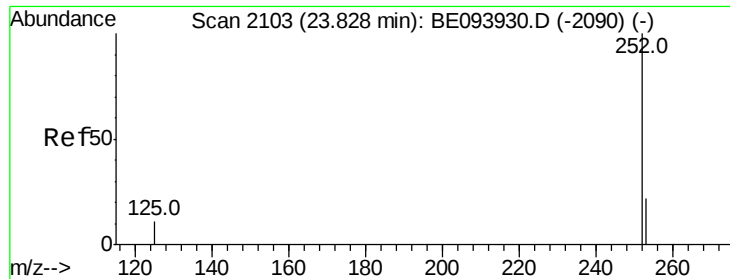


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

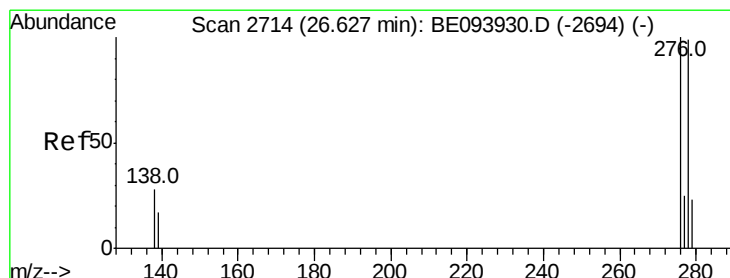
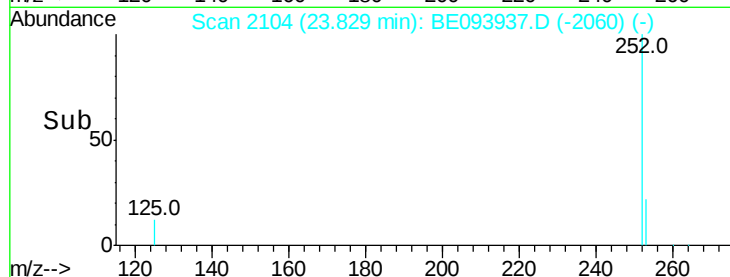
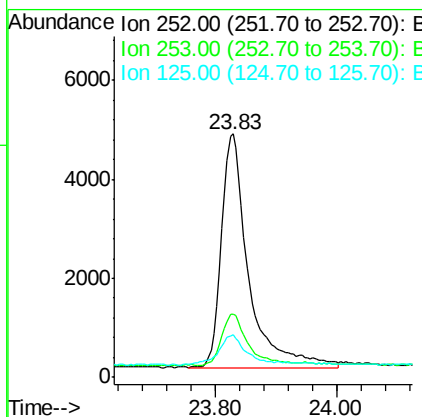
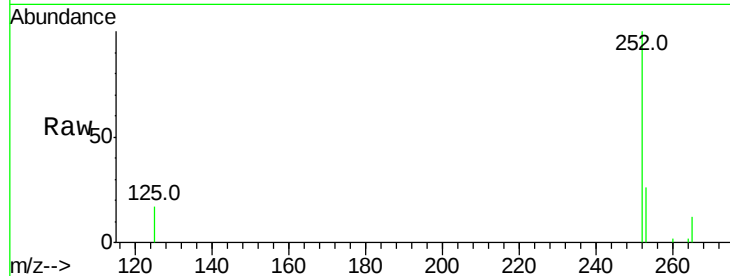




#37  
Benzo(a)pyrene  
Concen: 0.259 ng  
RT: 23.83 min Scan# 2104  
Delta R.T. 0.00 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

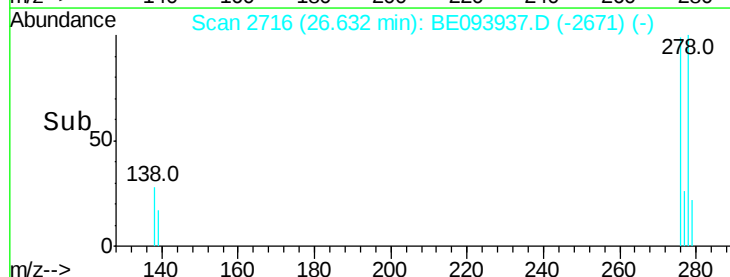
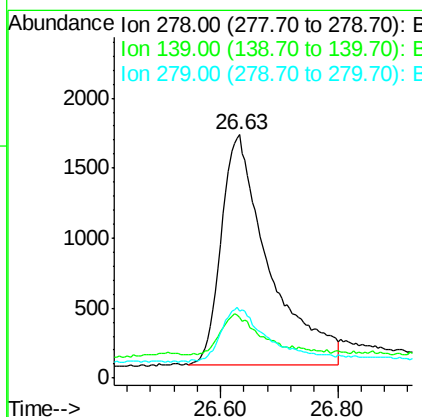
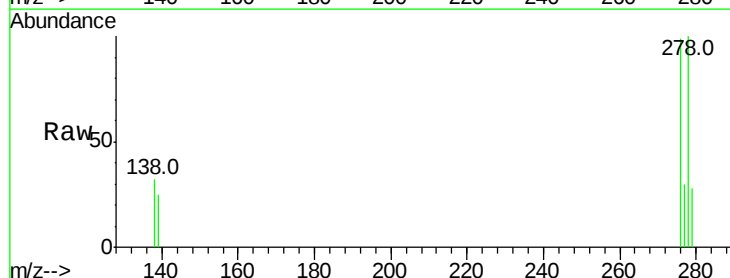
Instrument :  
BNA\_E  
ClientSampleId :  
PB102046BSD

Tot Ion:252 Resp: 14720  
Ion Ratio Lower Upper  
252 100  
253 26.0 19.6 29.4  
125 17.4 11.8 17.8



#38  
Dibenzo(a,h)anthracene  
Concen: 0.245 ng  
RT: 26.63 min Scan# 2716  
Delta R.T. 0.00 min  
Lab File: BE093937.D  
Acq: 5 Sep 2017 15:16

Tgt Ion:278 Resp: 9230  
Ion Ratio Lower Upper  
278 100  
139 25.1 16.7 25.1  
279 27.7 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.249 ng

RT: 27.42 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BE093937.D

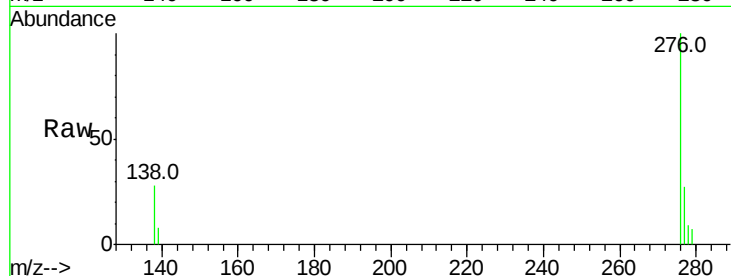
Acq: 5 Sep 2017 15:16

Instrument :

BNA\_E

ClientSampleId :

PB102046BSD



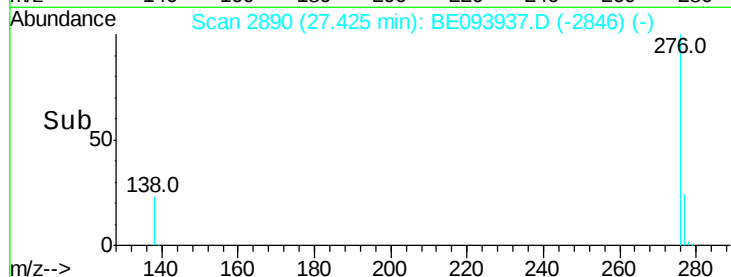
Tot Ion:276 Resp: 9902

Ion Ratio Lower Upper

276 100

277 27.4 20.6 30.8

138 28.2 21.9 32.9



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

