

Data File : BE093394.D  
Acq On : 1 Jul 2017 16:03  
Operator : SJ/JU  
Sample : PB100316BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB100316BS

Quant Time: Jul 03 05:11:00 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 15:43:24 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.94  | 152  | 4072     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.74 | 136  | 17934    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 8407     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.27 | 188  | 21925    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 22154    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.94 | 264  | 22022    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.53  | 112 | 4204  | 0.33 | ng | 0.00  |
| 5) Phenol-d6                | 7.10  | 99  | 5685  | 0.30 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 3531  | 0.33 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.31 | 152 | 8111  | 0.28 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 0.00  | 330 | 0     | 0.00 | ng |       |
| 15) 2-Fluorobiphenyl        | 13.18 | 172 | 11765 | 0.36 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.29 | 212 | 64933 | 0.32 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.88 | 244 | 13668 | 0.33 | ng | 0.00  |

|                                |       |     |       |      |    |        |
|--------------------------------|-------|-----|-------|------|----|--------|
| Target Compounds               |       |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.46  | 88  | 2009  | 0.24 | ng | # 20   |
| 3) n-Nitrosodimethylamine      | 3.77  | 42  | 1617  | 0.38 | ng | # 77   |
| 6) bis(2-Chloroethyl)ether     | 7.37  | 93  | 4412  | 0.33 | ng | # 99   |
| 9) Naphthalene                 | 10.77 | 128 | 58906 | 0.32 | ng | # 73   |
| 10) Hexachlorobutadiene        | 11.07 | 225 | 2433  | 0.32 | ng | 97     |
| 12) 2-Methylnaphthalene        | 12.38 | 142 | 9380  | 0.30 | ng | 98     |
| 16) Acenaphthylene             | 14.26 | 152 | 11340 | 0.31 | ng | # 88   |
| 17) Acenaphthene               | 14.60 | 154 | 8463  | 0.33 | ng | 98     |
| 18) Fluorene                   | 15.59 | 166 | 10114 | 0.29 | ng | # 87   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 3551  | 0.67 | ng | # 37   |
| 21) Hexachlorobenzene          | 16.58 | 284 | 4406  | 0.53 | ng | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266 | 839   | 0.89 | ng | # 77   |
| 23) Phenanthrene               | 17.30 | 178 | 23459 | 0.44 | ng | 99     |
| 24) Anthracene                 | 17.40 | 178 | 15137 | 0.28 | ng | 94     |
| 26) Fluoranthene               | 19.32 | 202 | 19004 | 0.33 | ng | 99     |
| 28) Pyrene                     | 19.68 | 202 | 18814 | 0.32 | ng | # 97   |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 19676 | 0.33 | ng | 92     |
| 31) Chrysene                   | 21.46 | 228 | 20359 | 0.32 | ng | 92     |
| 32) Bis(2-ethylhexyl)phthalate | 21.34 | 149 | 20845 | 0.23 | ng | # 66   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.59 | 276 | 29062 | 0.47 | ng | # 90   |
| 35) Benzo(b)fluoranthene       | 23.16 | 252 | 22142 | 0.32 | ng | # 94   |
| 36) Benzo(k)fluoranthene       | 23.22 | 252 | 22124 | 0.32 | ng | # 95   |
| 37) Benzo(a)pyrene             | 23.83 | 252 | 20106 | 0.33 | ng | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.61 | 278 | 24859 | 0.40 | ng | # 88   |
| 39) Benzo(g,h,i)perylene       | 27.40 | 276 | 25908 | 0.41 | ng | # 89   |

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

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ClientSampleId :

PB100316BS

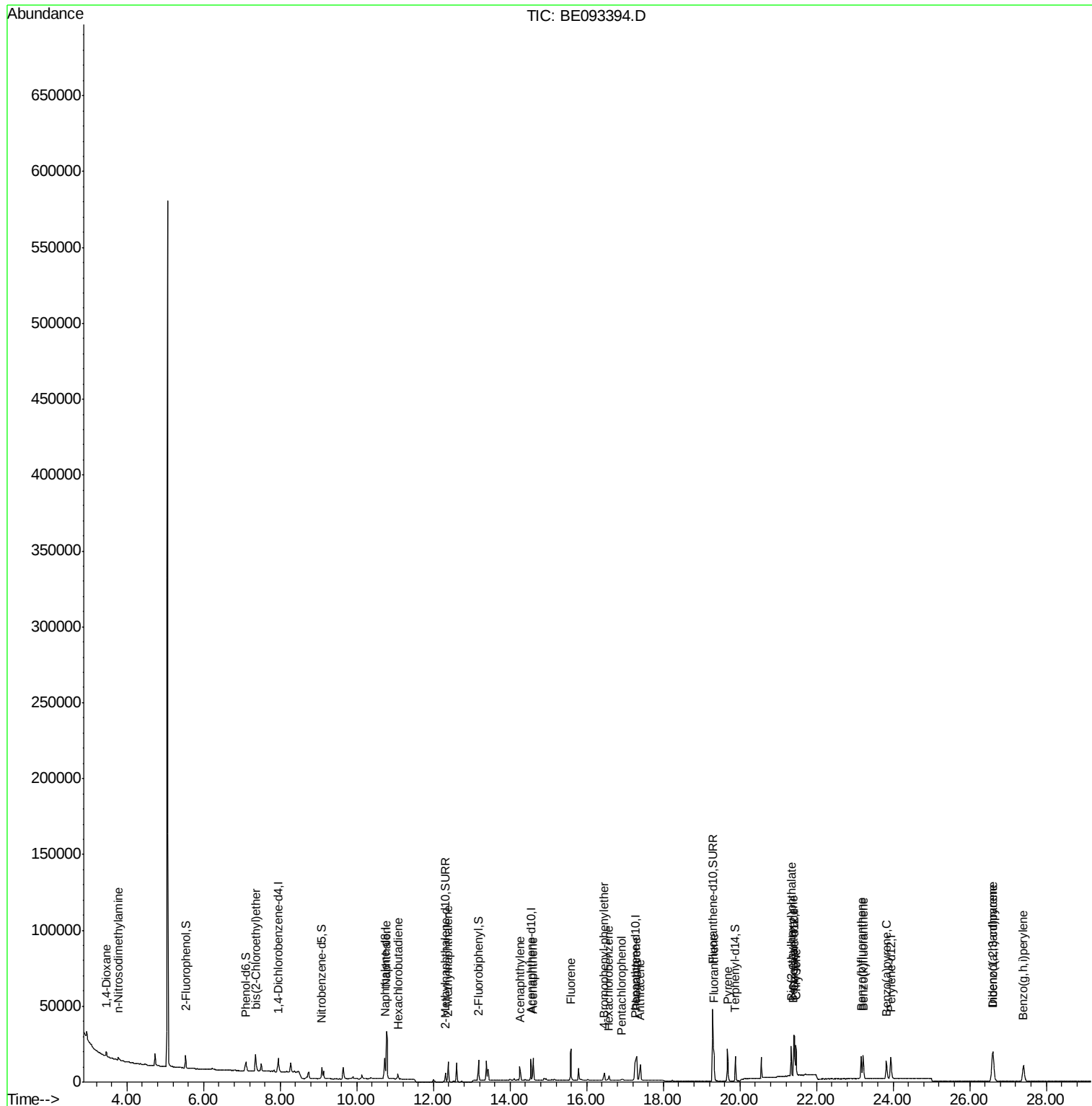
Quant Time: Jul 03 05:11:00 2017

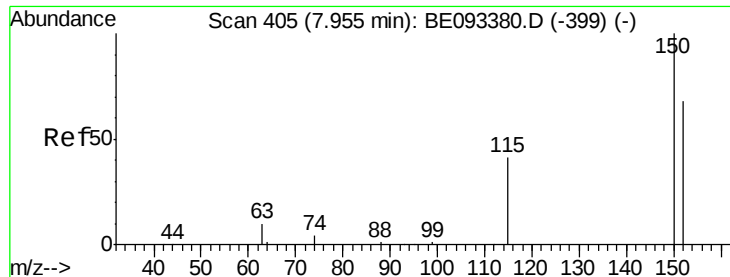
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070117.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jul 01 15:43:24 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampled :

PB100316BS

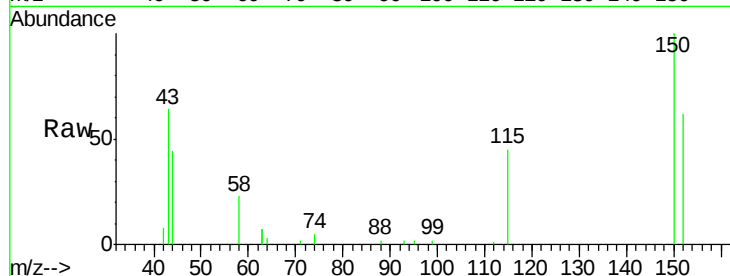
Tgt Ion:152 Resp: 4072

Ion Ratio Lower Upper

152 100

150 162.1 125.1 187.7

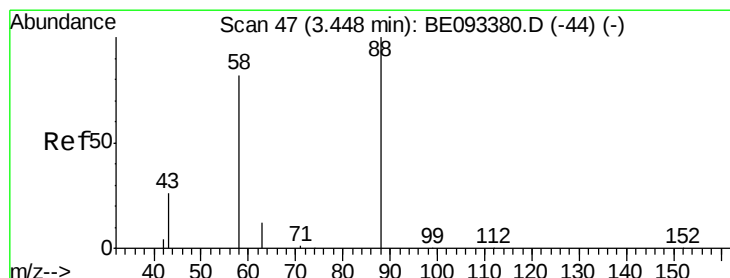
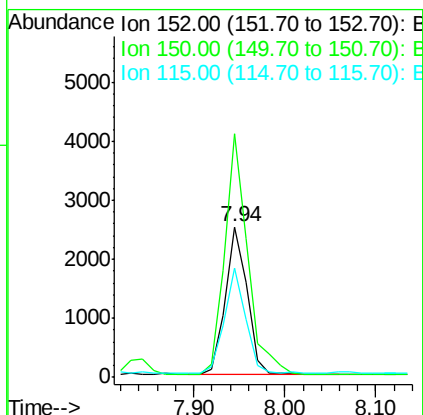
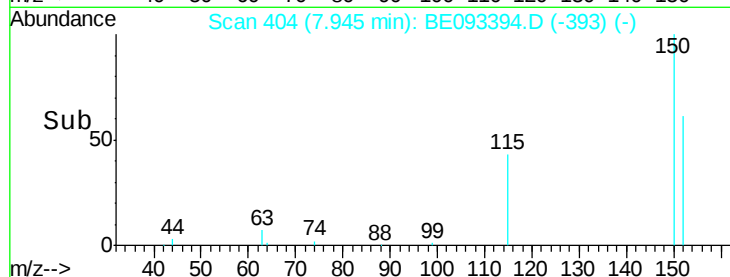
115 72.7 55.7 83.5



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: 0.24 ng

RT: 3.46 min Scan# 48

Delta R.T. 0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

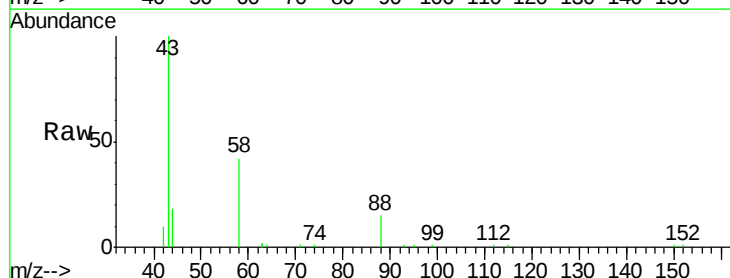
Tgt Ion: 88 Resp: 2009

Ion Ratio Lower Upper

88 100

58 156.1 62.2 93.4#

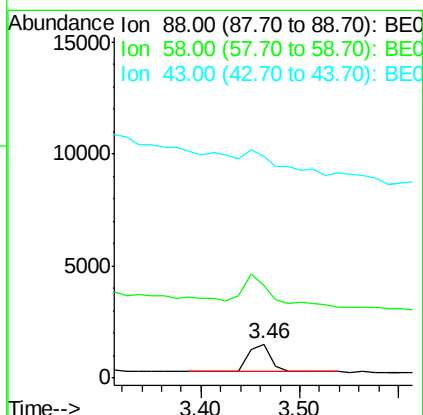
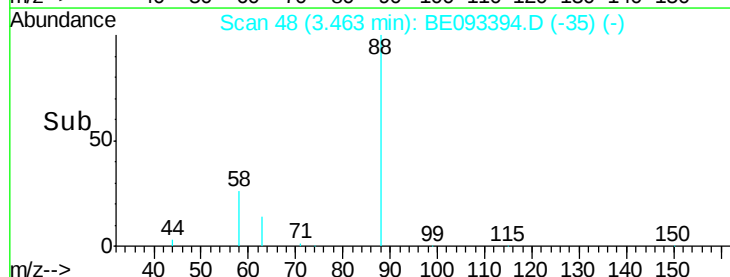
43 0.0 23.2 34.8#

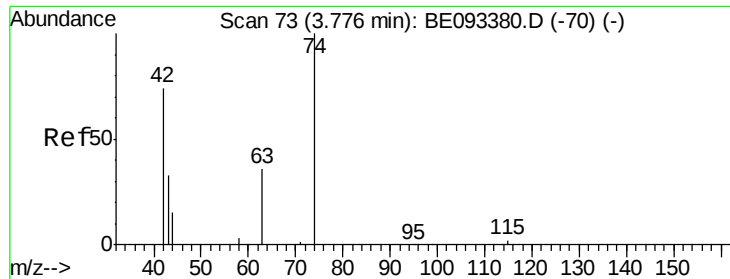


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.38 ng

RT: 3.77 min Scan# 72

Delta R.T. -0.01 min

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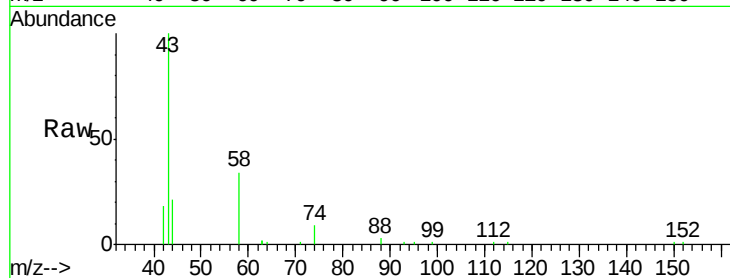
Tgt Ion: 42 Resp: 1617

Ion Ratio Lower Upper

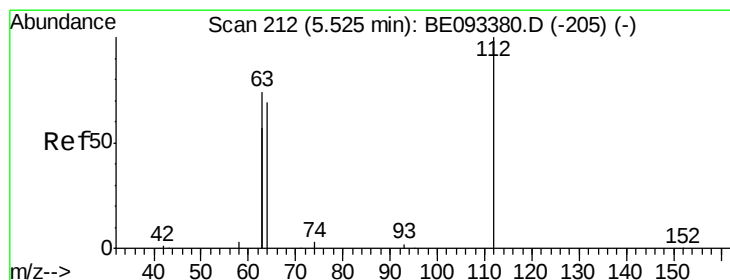
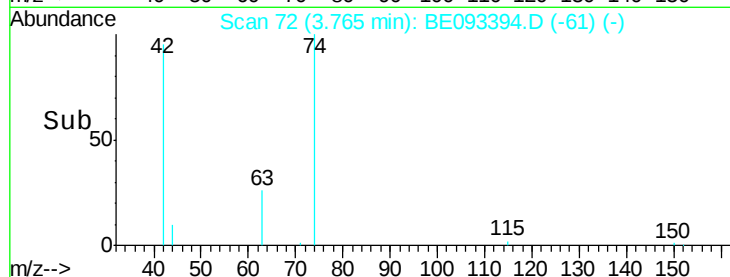
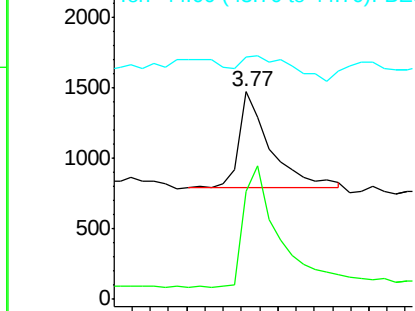
42 100

74 144.3 99.1 148.7

44 40.1 7.4 11.2#



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: 0.33 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

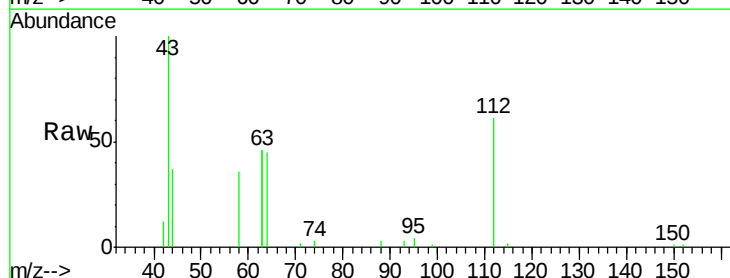
Tgt Ion: 112 Resp: 4204

Ion Ratio Lower Upper

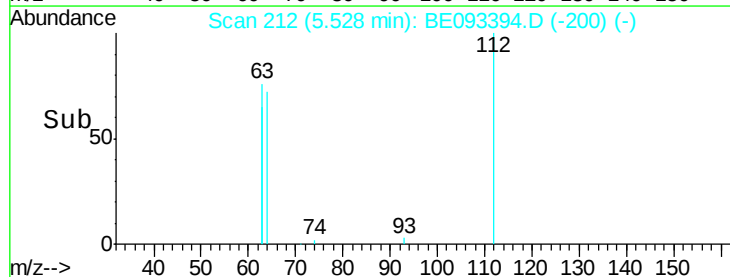
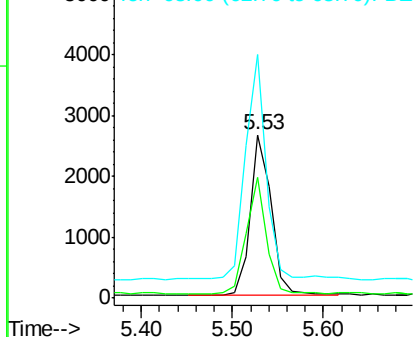
112 100

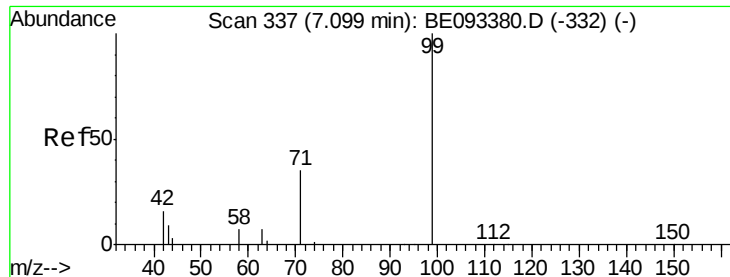
64 68.4 56.4 84.6

63 135.6 29.3 43.9#



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: 0.30 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

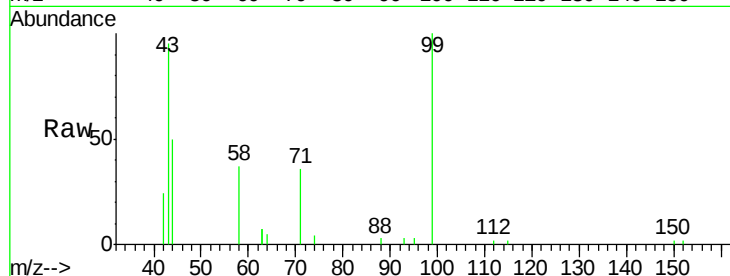
Tgt Ion: 99 Resp: 5685

Ion Ratio Lower Upper

99 100

42 23.2 0.0 0.0#

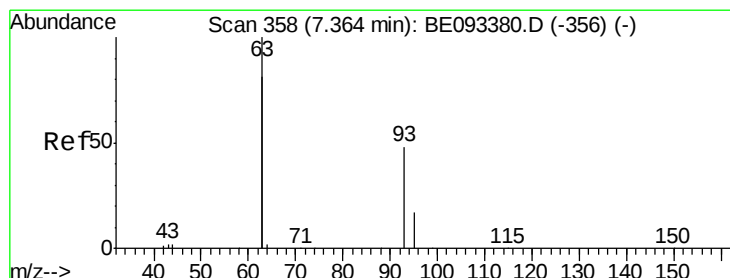
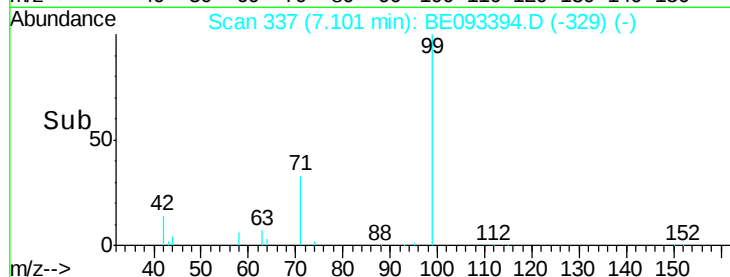
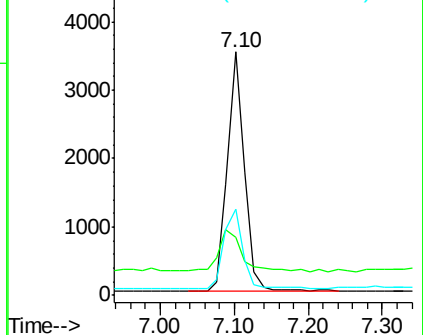
71 37.7 0.0 0.0#



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: 0.33 ng

RT: 7.37 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

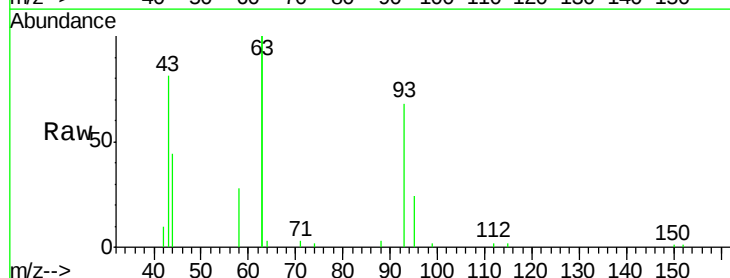
Tgt Ion: 93 Resp: 4412

Ion Ratio Lower Upper

93 100

63 349.6 0.0 0.0#

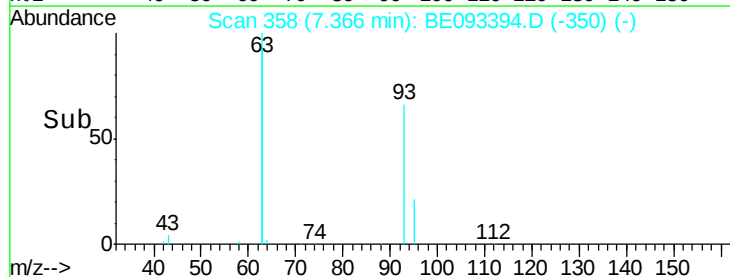
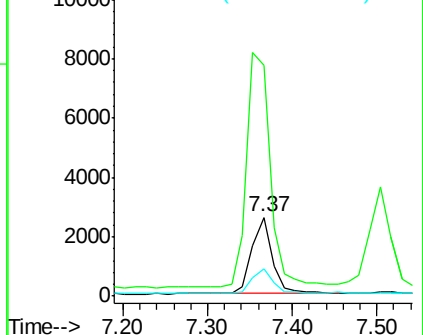
95 32.3 25.4 38.0

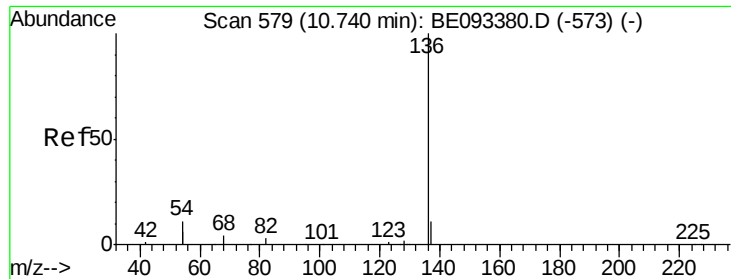


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

Tgt Ion:136 Resp: 17934

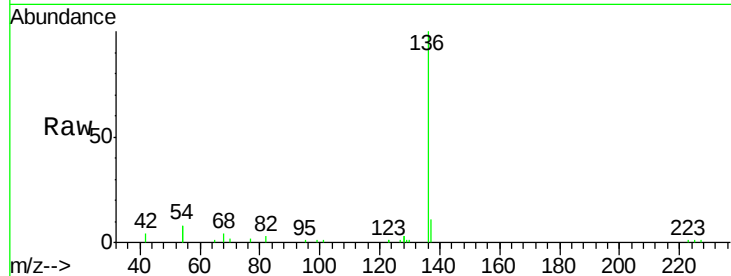
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 16.6 10.3 15.5#

68 3.6 9.0 13.4#

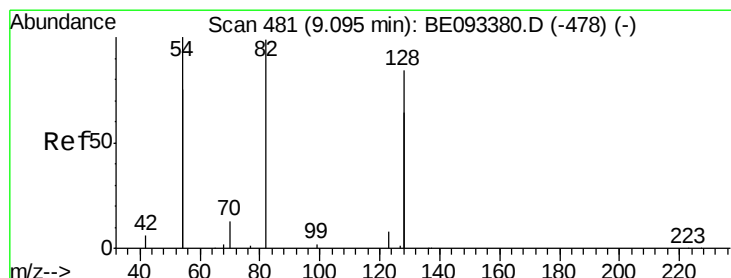
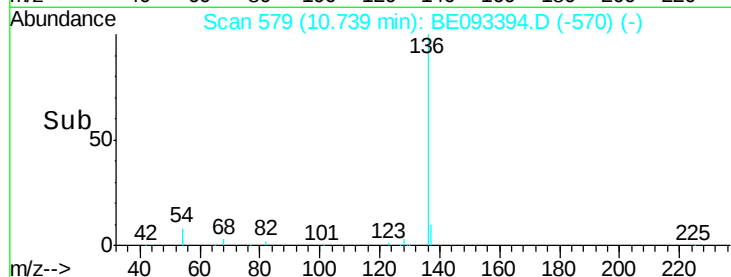
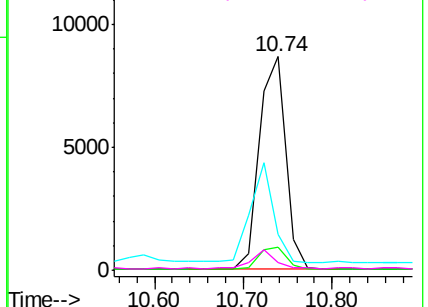


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.33 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

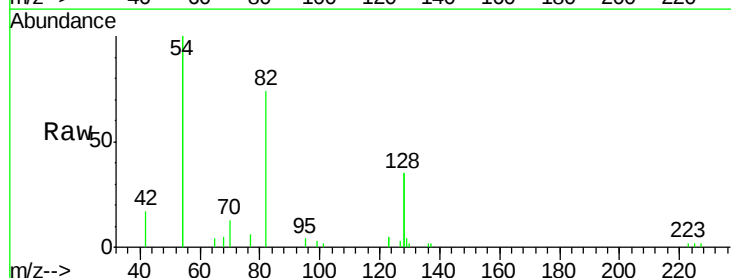
Tgt Ion: 82 Resp: 3531

Ion Ratio Lower Upper

82 100

128 95.8 17.0 25.4#

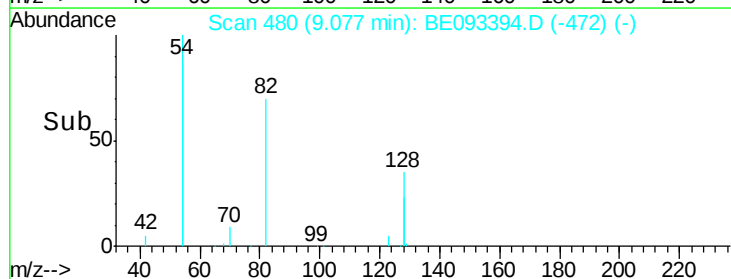
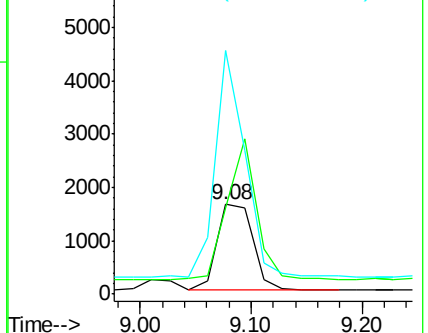
54 270.7 53.8 80.6#

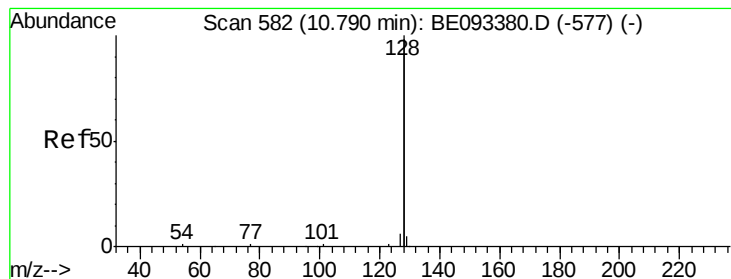


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.32 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.02 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

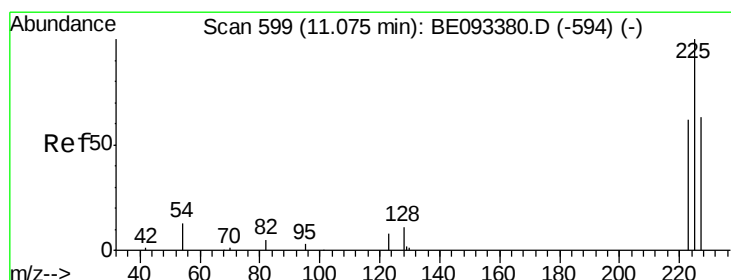
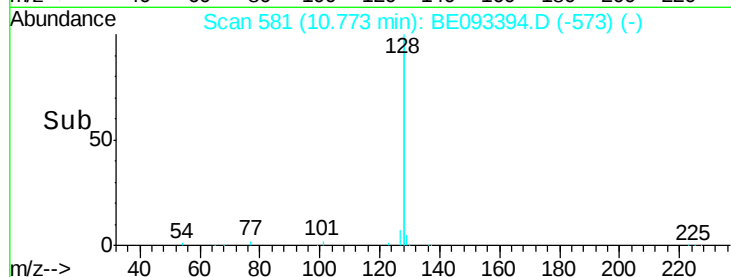
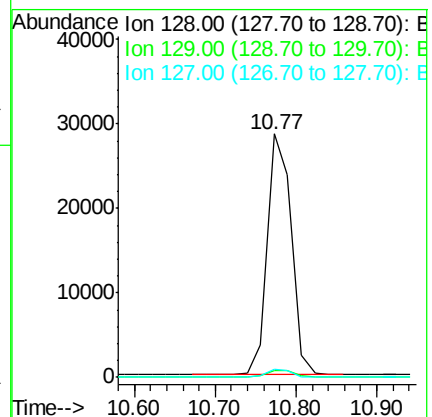
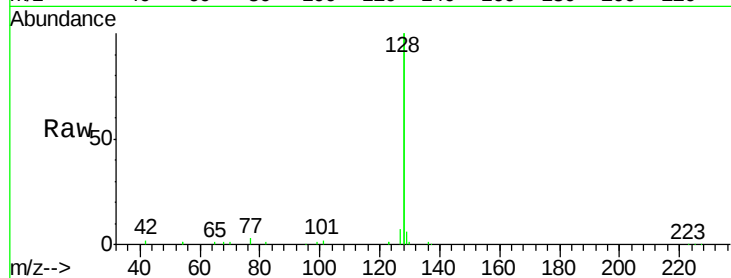
Tgt Ion:128 Resp: 58906

Ion Ratio Lower Upper

128 100

129 2.8 11.4 17.0#

127 3.6 11.2 16.8#



#10

Hexachlorobutadiene

Concen: 0.32 ng

RT: 11.07 min Scan# 599

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

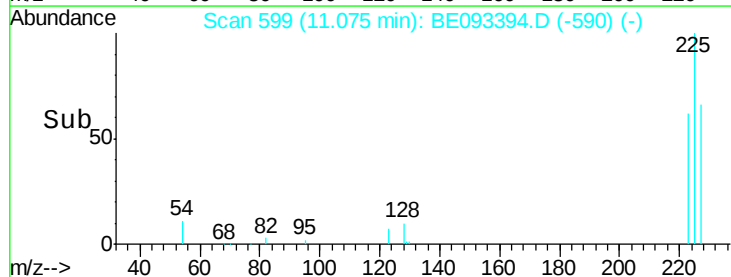
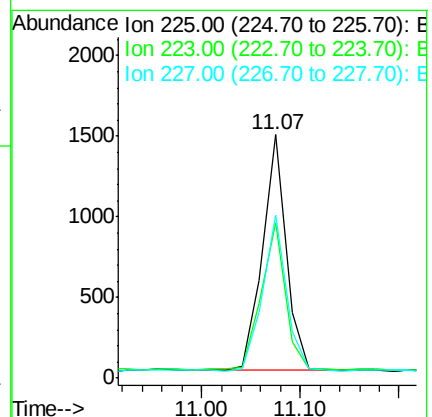
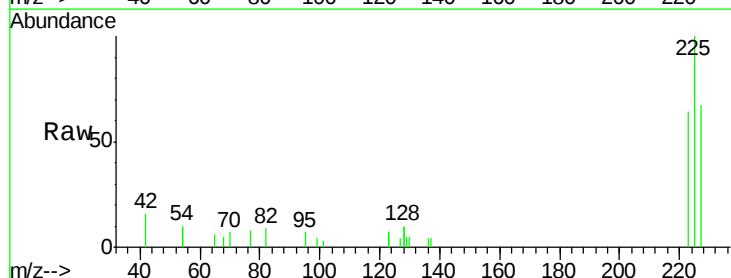
Tgt Ion:225 Resp: 2433

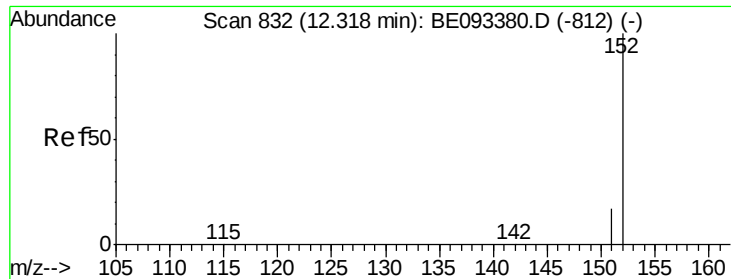
Ion Ratio Lower Upper

225 100

223 63.0 49.7 74.5

227 66.0 50.3 75.5

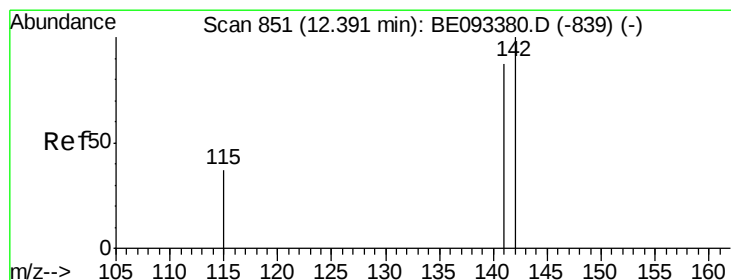
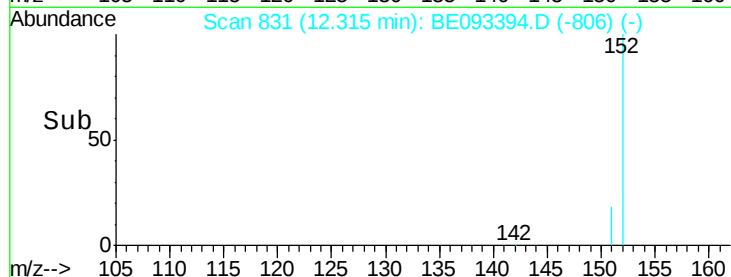
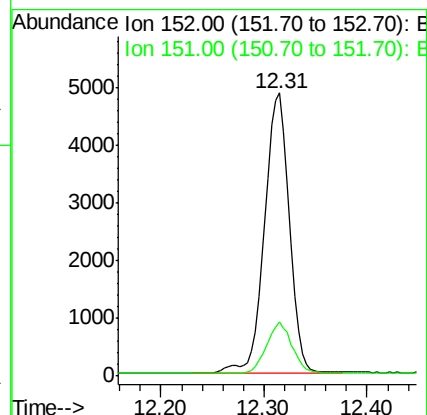
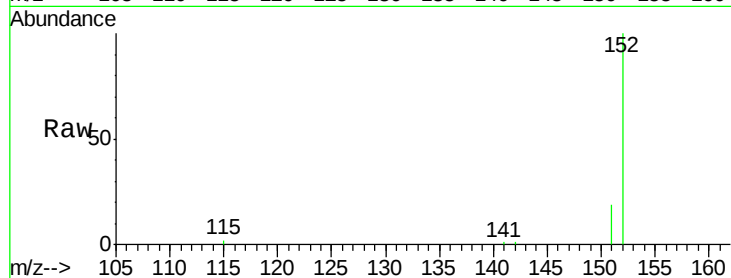




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.28 ng  
 RT: 12.31 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BE093394.D  
 Acq: 1 Jul 2017 16:03

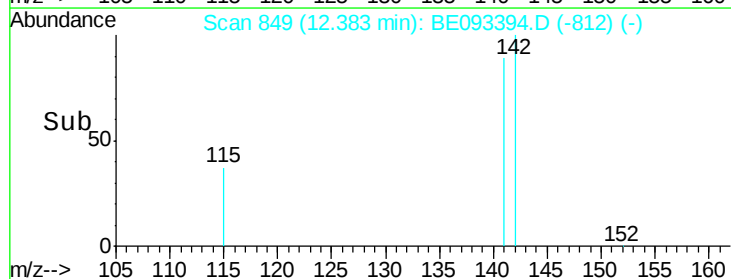
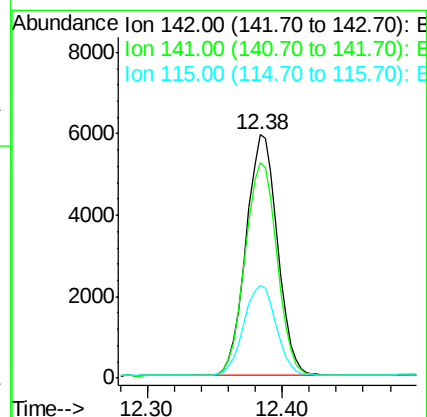
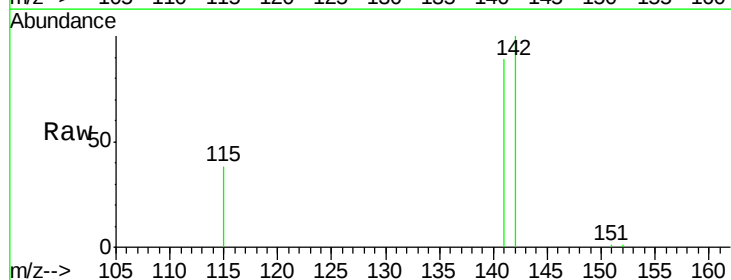
Instrument :  
 BNA\_E  
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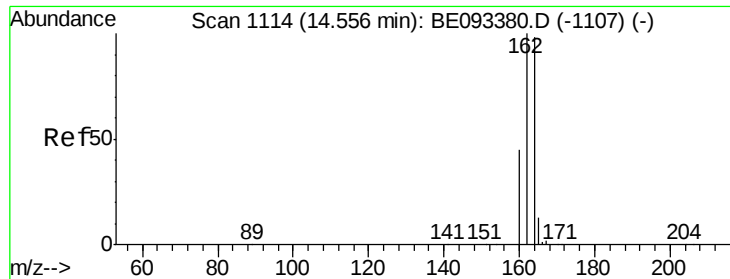
Tgt Ion:152 Resp: 8111  
 Ion Ratio Lower Upper  
 152 100  
 151 18.5 15.1 22.7



#12  
 2-Methylnaphthalene  
 Concen: 0.30 ng  
 RT: 12.38 min Scan# 849  
 Delta R.T. -0.01 min  
 Lab File: BE093394.D  
 Acq: 1 Jul 2017 16:03

Tgt Ion:142 Resp: 9380  
 Ion Ratio Lower Upper  
 142 100  
 141 88.7 72.6 108.8  
 115 38.1 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

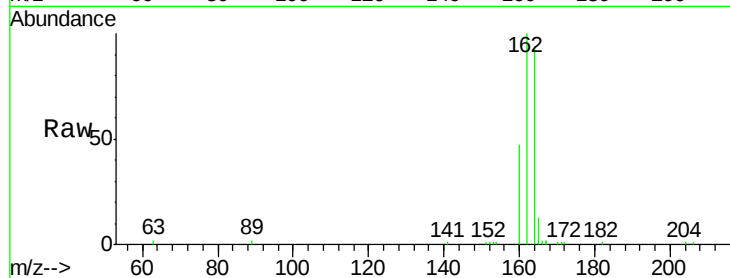
Tgt Ion: 164 Resp: 8407

Ion Ratio Lower Upper

164 100

162 105.9 84.6 127.0

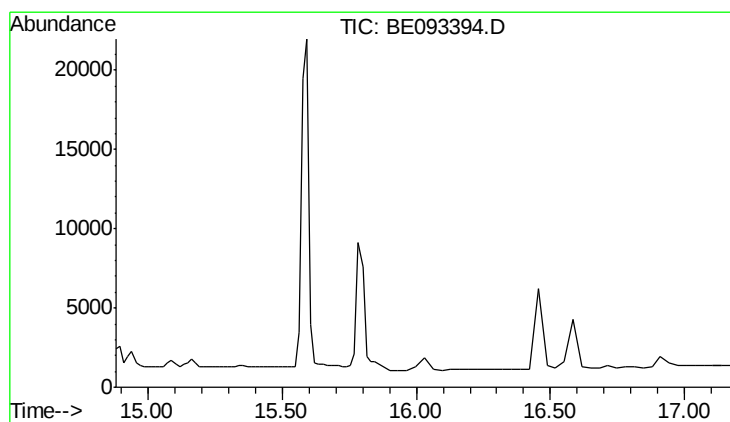
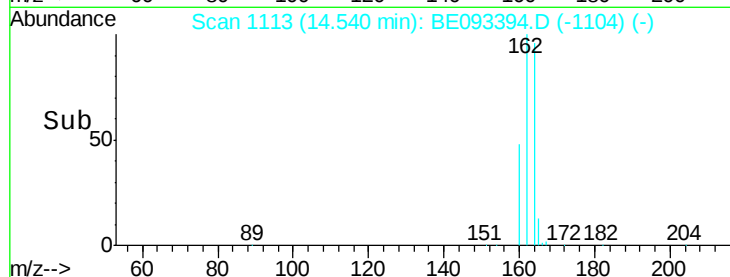
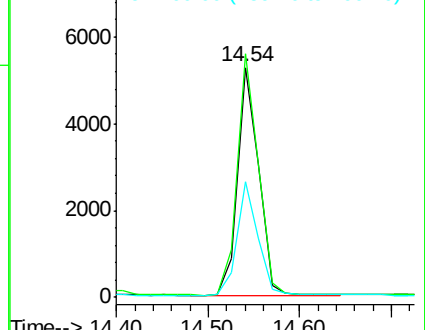
160 50.1 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.03 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

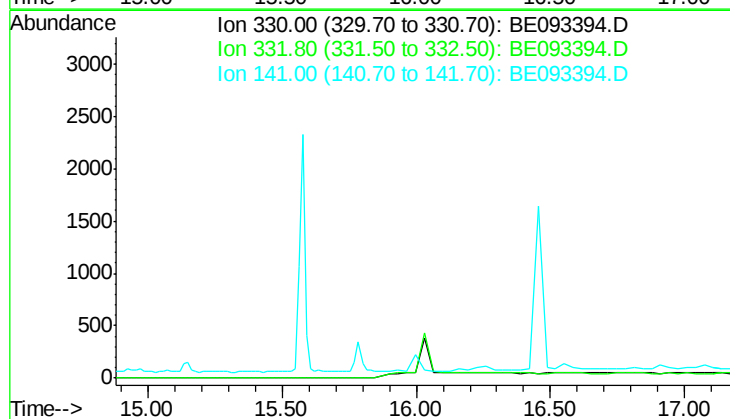
Tgt Ion: 330

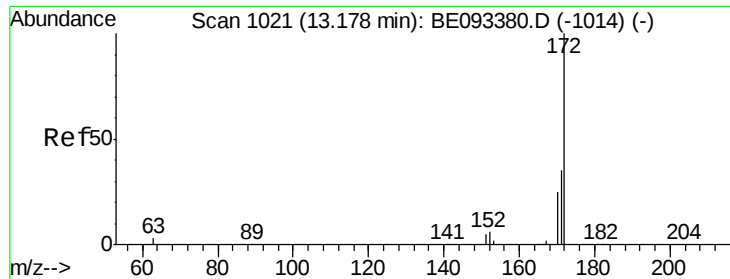
Sig Exp Ratio

330 100

332 97.1

141 70.3

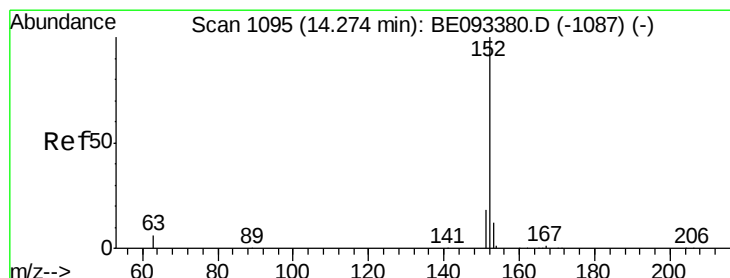
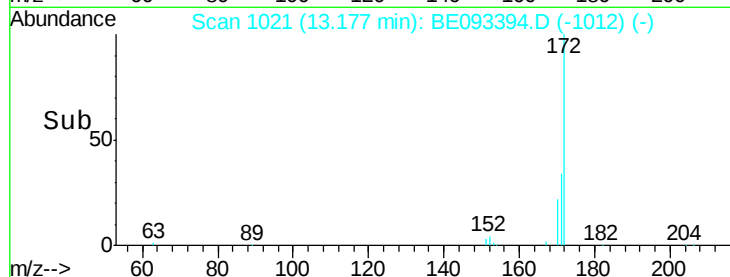
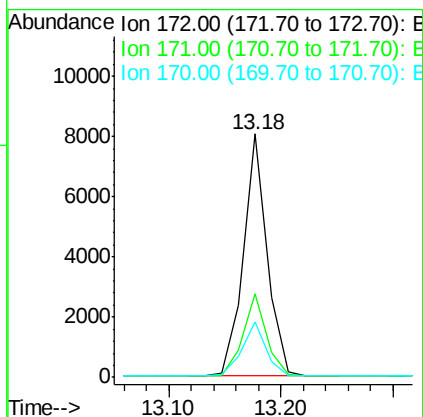
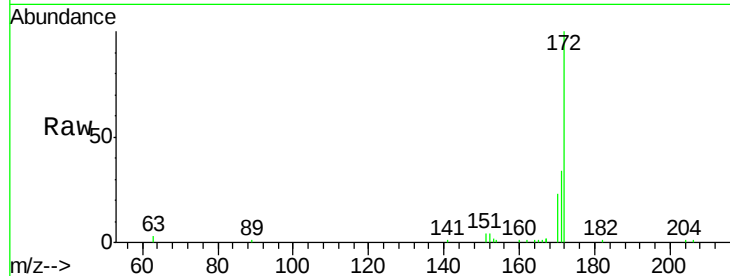




#15  
2-Fluorobiphenyl  
Concen: 0.36 ng  
RT: 13.18 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BE093394.D  
Acq: 1 Jul 2017 16:03

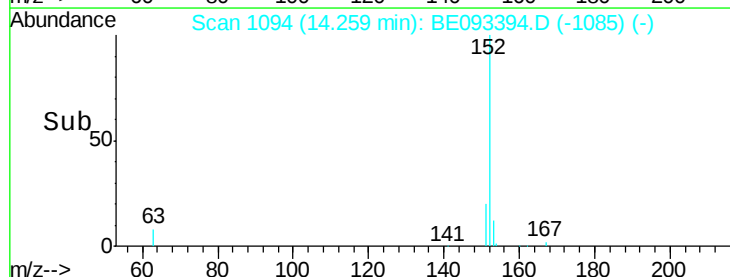
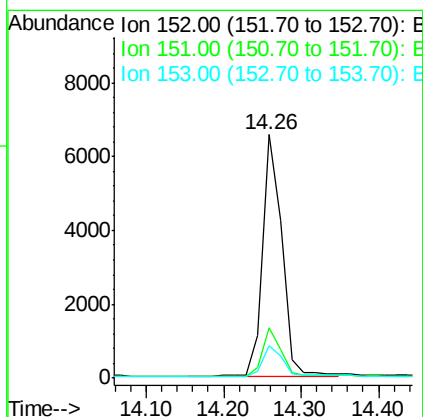
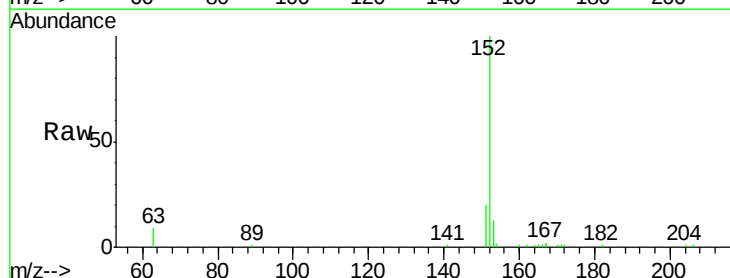
Instrument :  
BNA\_E  
ClientSampleId :  
PB100316BS

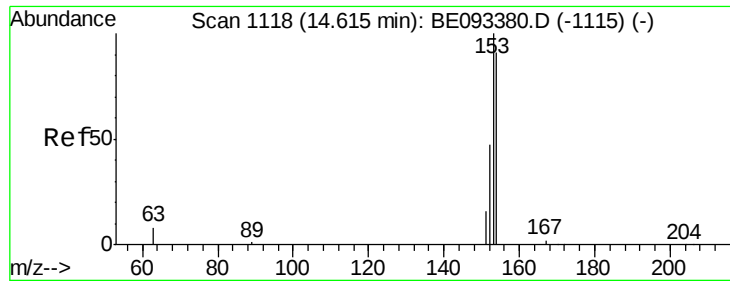
Tgt Ion:172 Resp: 11765  
Ion Ratio Lower Upper  
172 100  
171 34.3 29.8 44.6  
170 22.5 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.31 ng  
RT: 14.26 min Scan# 1094  
Delta R.T. -0.02 min  
Lab File: BE093394.D  
Acq: 1 Jul 2017 16:03

Tgt Ion:152 Resp: 11340  
Ion Ratio Lower Upper  
152 100  
151 19.3 4.0 6.0#  
153 12.8 10.3 15.5





#17

Acenaphthene

Concen: 0.33 ng

RT: 14.60 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

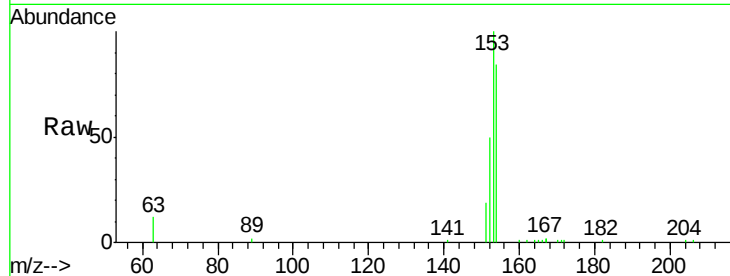
Tgt Ion:154 Resp: 8463

Ion Ratio Lower Upper

154 100

153 113.1 91.2 136.8

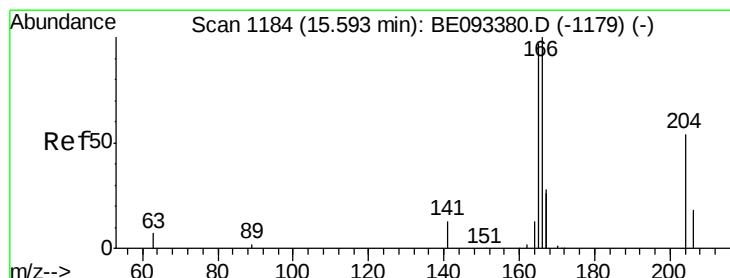
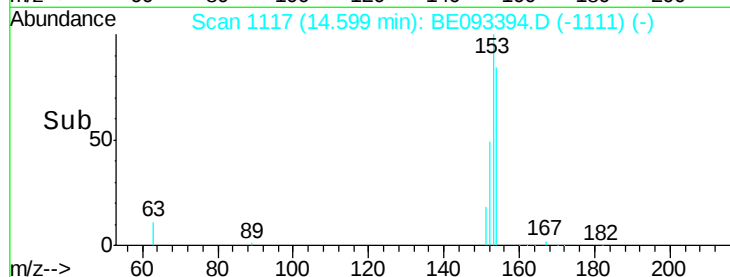
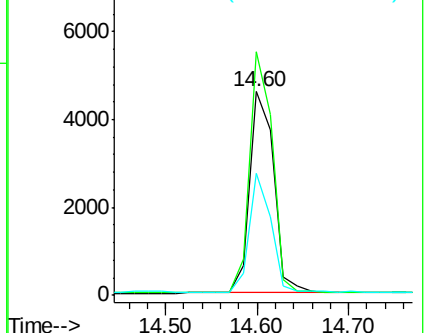
152 52.7 44.8 67.2



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: 0.29 ng

RT: 15.59 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

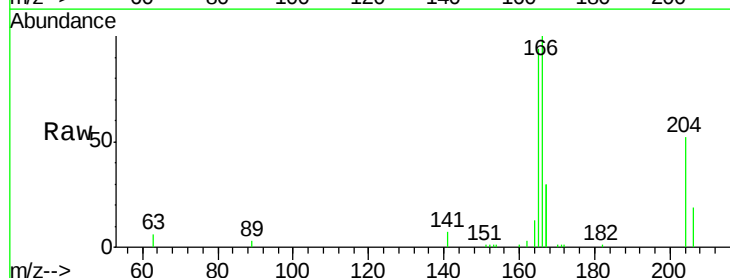
Tgt Ion:166 Resp: 10114

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

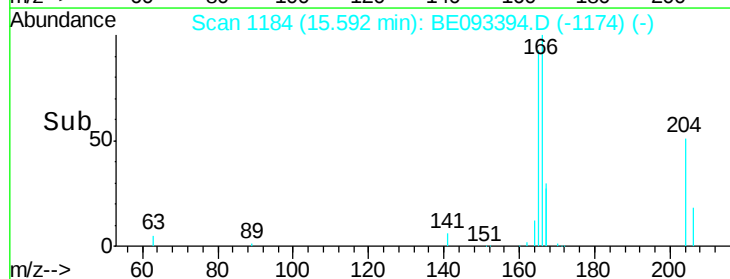
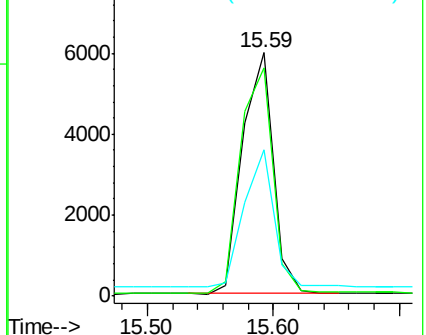
167 54.6 11.1 16.7#

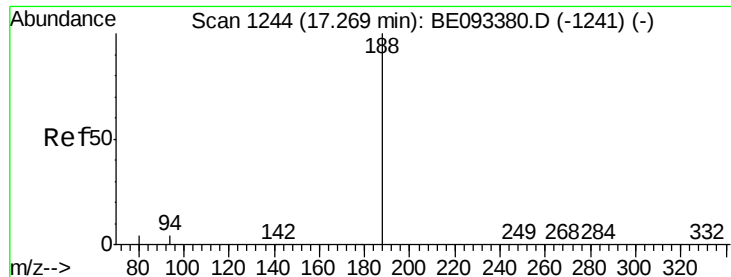


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

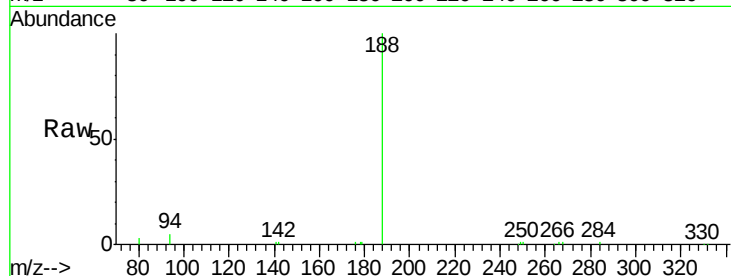
Tgt Ion:188 Resp: 21925

Ion Ratio Lower Upper

188 100

94 4.5 11.3 16.9#

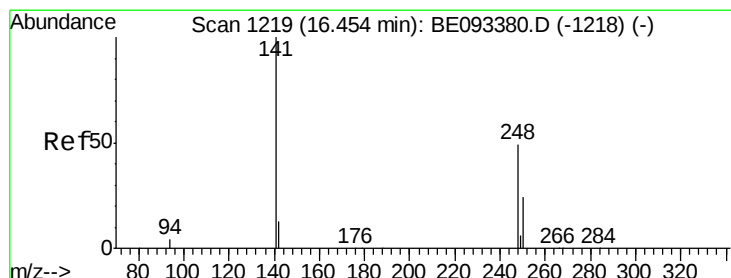
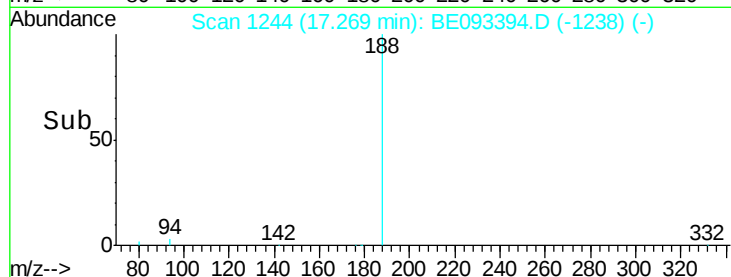
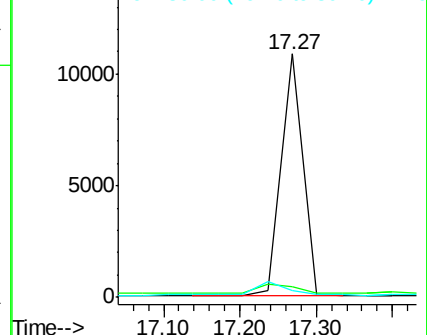
80 3.0 11.7 17.5#



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: 0.67 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

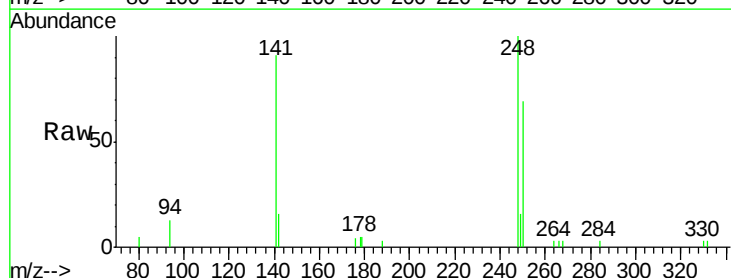
Tgt Ion:248 Resp: 3551

Ion Ratio Lower Upper

248 100

250 68.6 40.8 61.2#

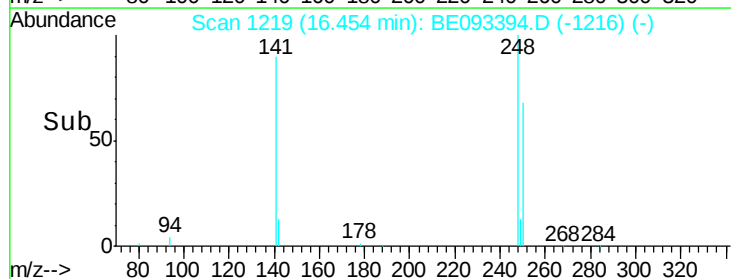
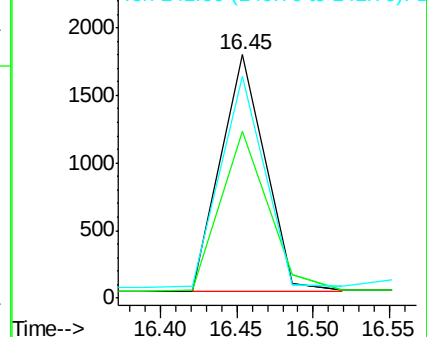
141 91.3 161.6 242.4#

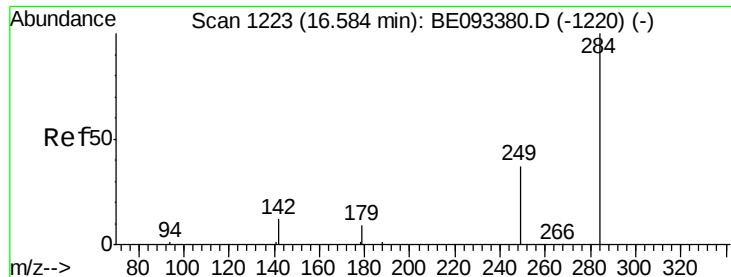


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.53 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

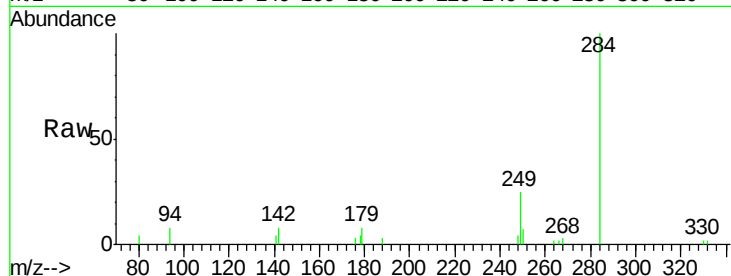
Tgt Ion:284 Resp: 4406

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

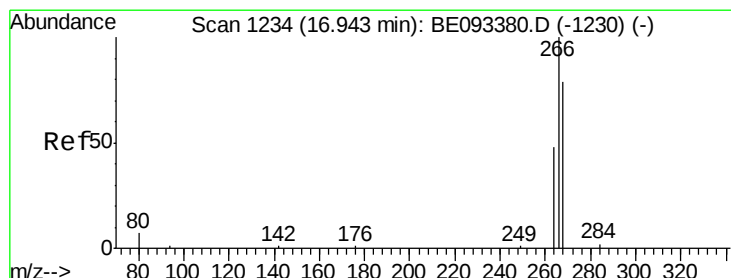
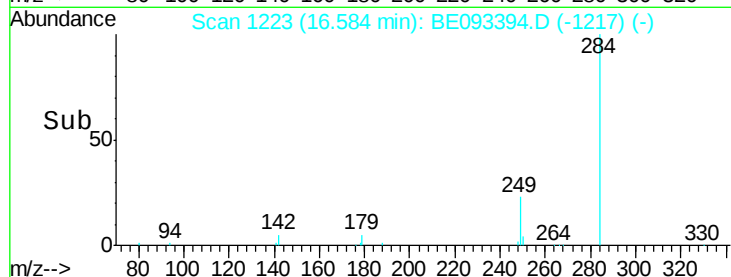
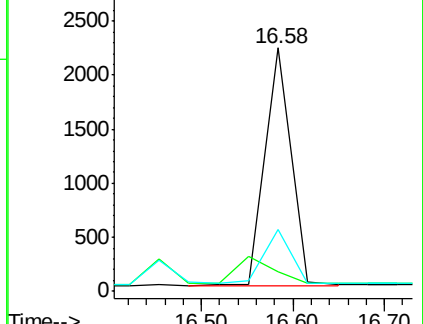
249 23.4 0.0 0.0#



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: 0.89 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

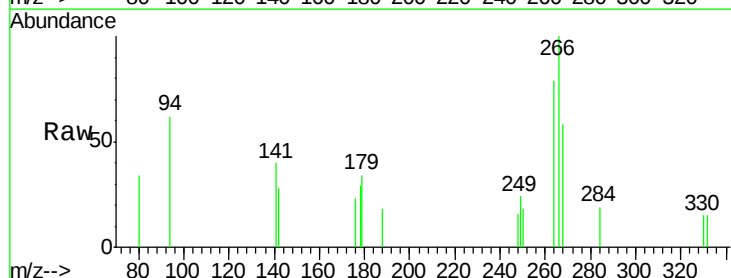
Tgt Ion:266 Resp: 839

Ion Ratio Lower Upper

266 100

264 79.2 58.2 87.2

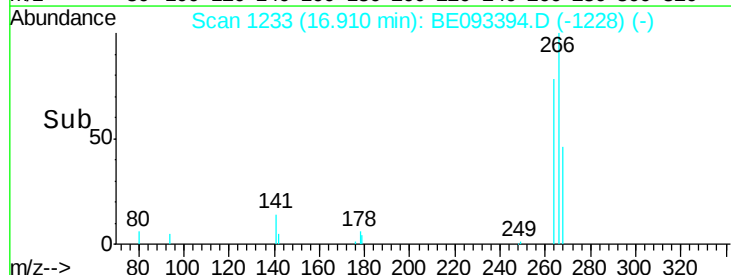
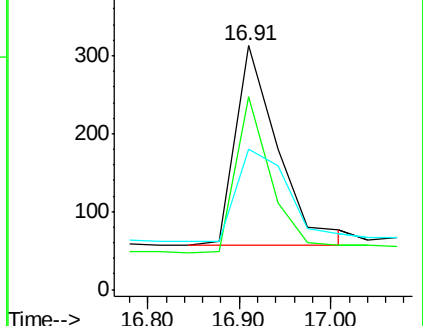
268 57.5 71.9 107.9#

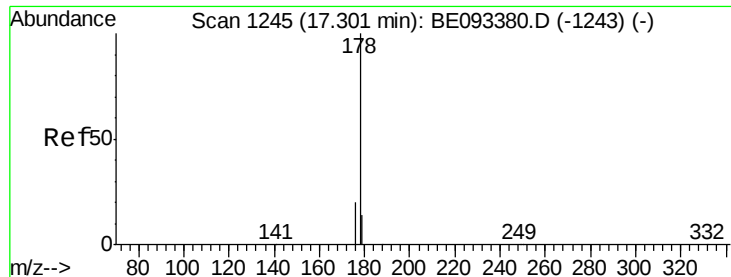


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.44 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

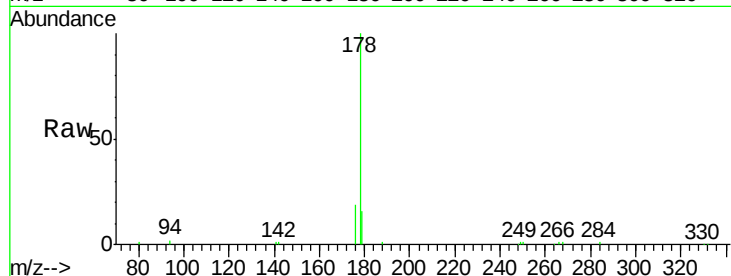
Tgt Ion:178 Resp: 23459

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

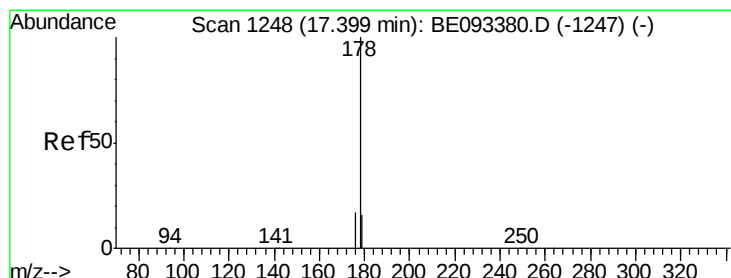
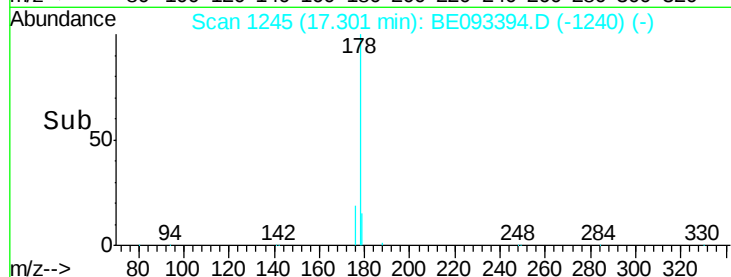
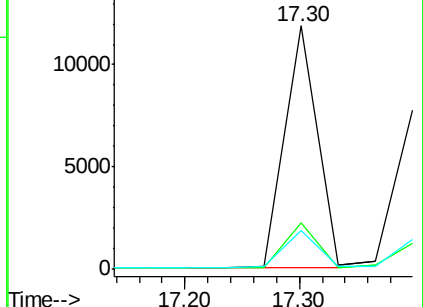
179 15.4 12.7 19.1



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



#24

Anthracene

Concen: 0.28 ng

RT: 17.40 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

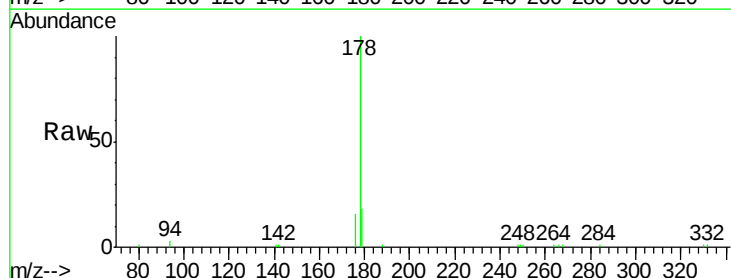
Tgt Ion:178 Resp: 15137

Ion Ratio Lower Upper

178 100

176 15.2 14.6 22.0

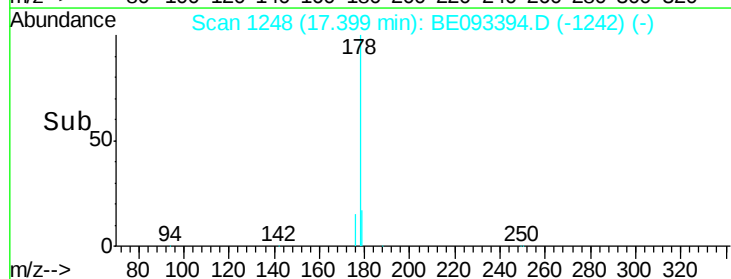
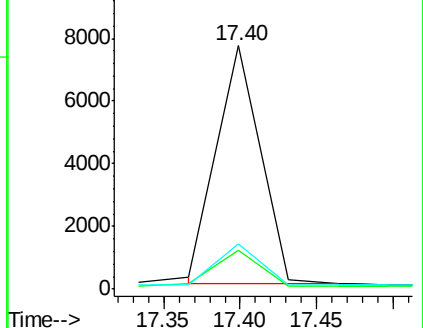
179 17.1 12.0 18.0

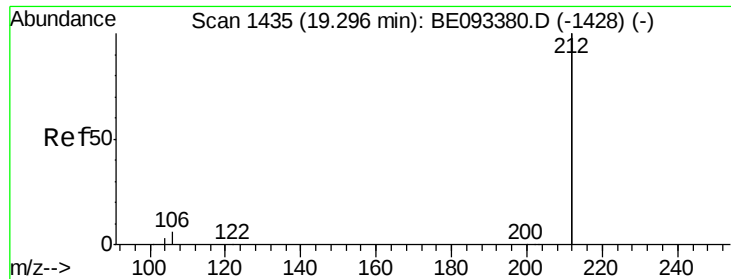


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

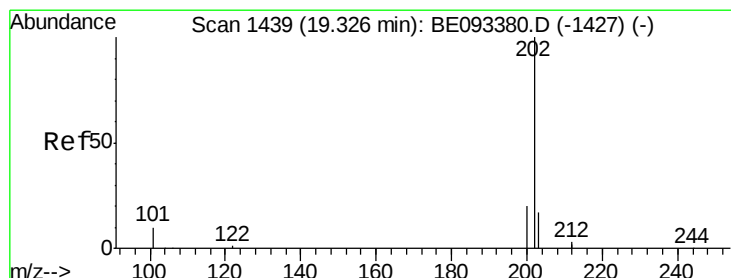
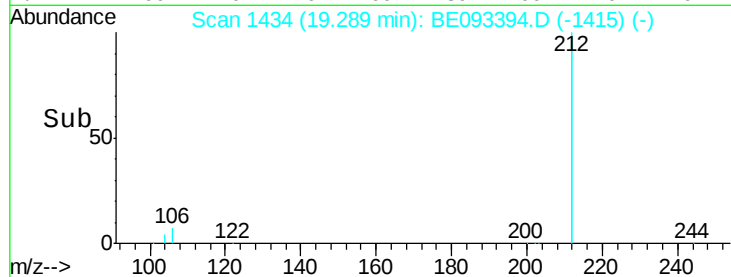
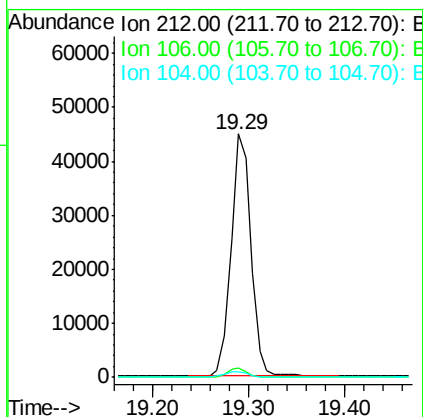
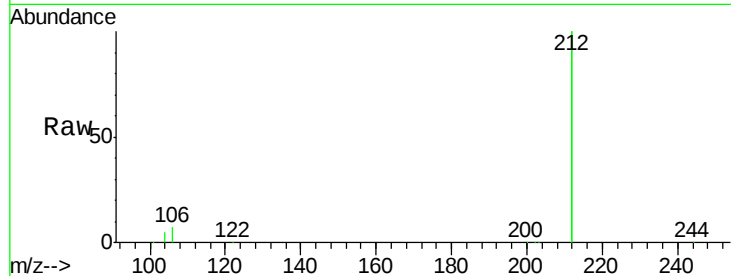




#25  
 Fluoranthene-d10  
 Concen: 0.32 ng  
 RT: 19.29 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BE093394.D  
 Acq: 1 Jul 2017 16:03

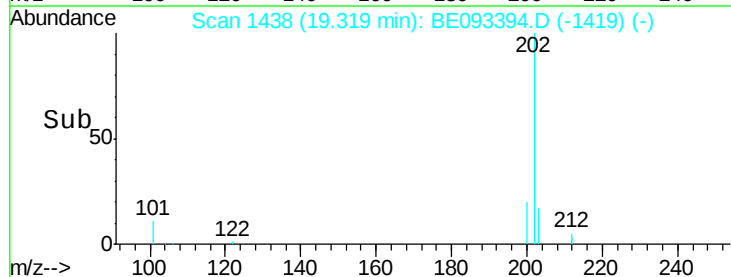
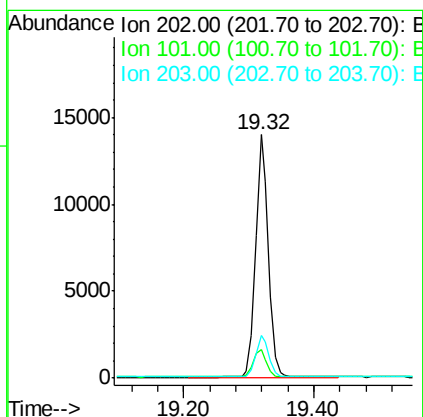
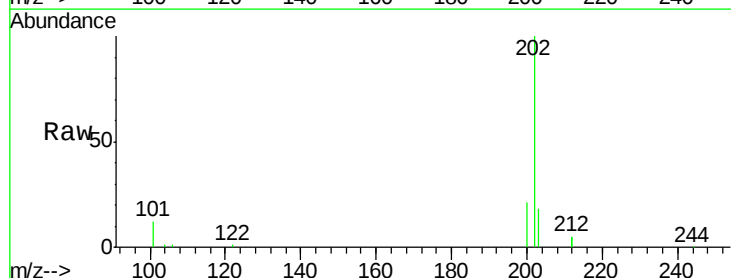
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100316BS

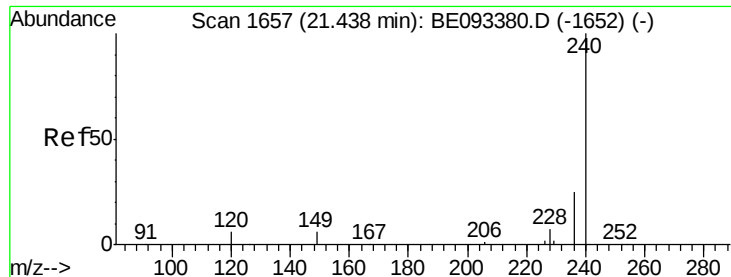
Tgt Ion: 212 Resp: 64933  
 Ion Ratio Lower Upper  
 212 100  
 106 3.6 2.4 3.6  
 104 2.0 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.33 ng  
 RT: 19.32 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BE093394.D  
 Acq: 1 Jul 2017 16:03

Tgt Ion: 202 Resp: 19004  
 Ion Ratio Lower Upper  
 202 100  
 101 12.0 9.6 14.4  
 203 17.1 14.4 21.6





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

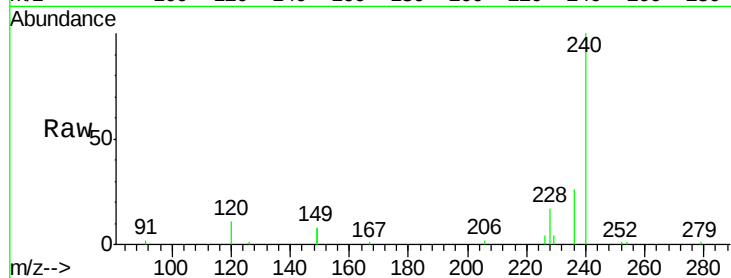
Tgt Ion:240 Resp: 22154

Ion Ratio Lower Upper

240 100

120 10.9 4.6 7.0#

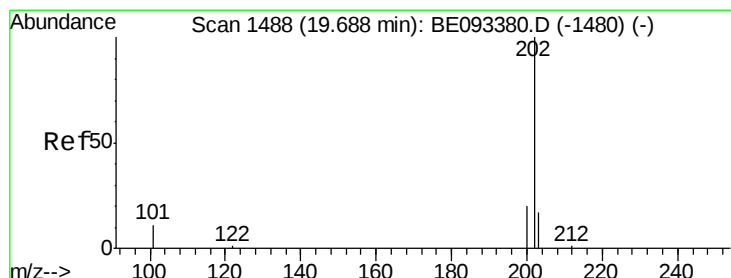
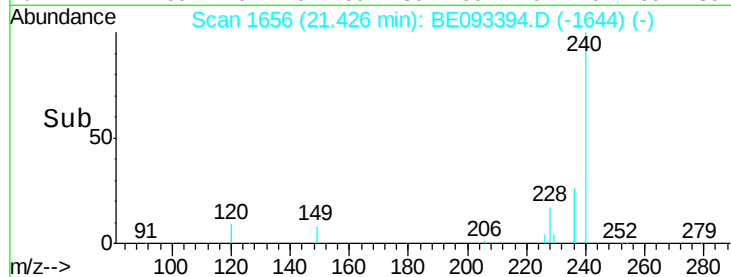
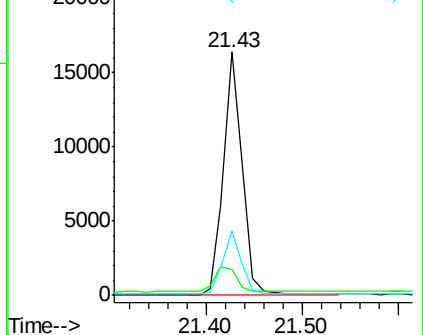
236 26.4 20.8 31.2



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: 0.32 ng

RT: 19.68 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

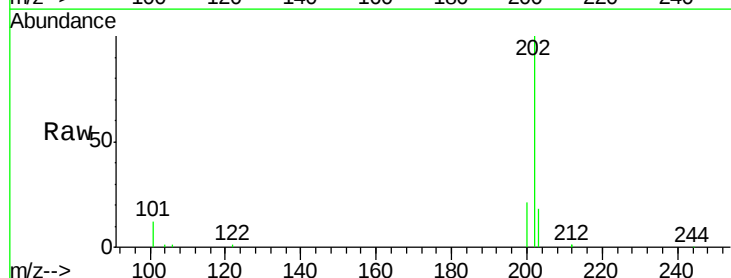
Tgt Ion:202 Resp: 18814

Ion Ratio Lower Upper

202 100

200 21.0 0.0 0.0#

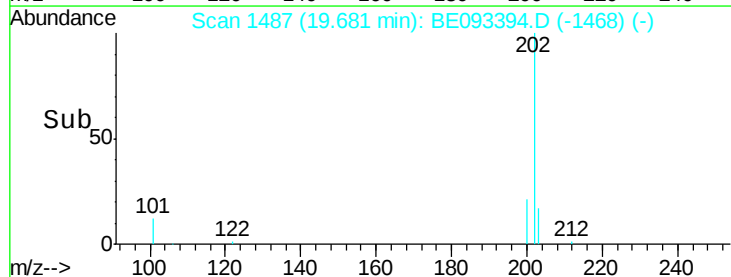
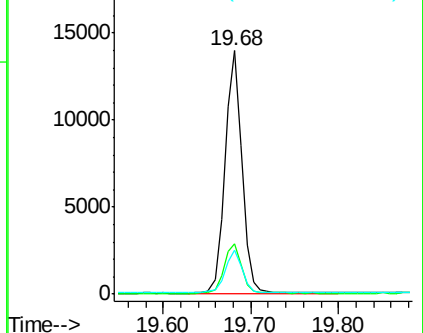
203 18.2 13.7 20.5

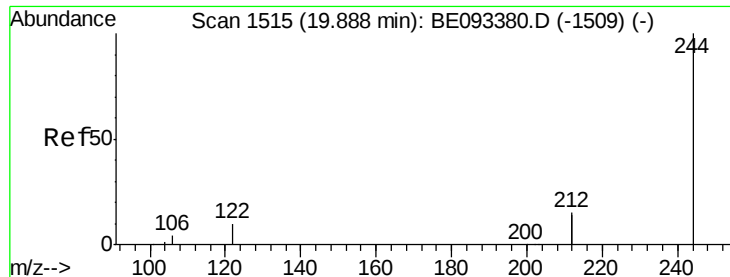


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 19.88 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

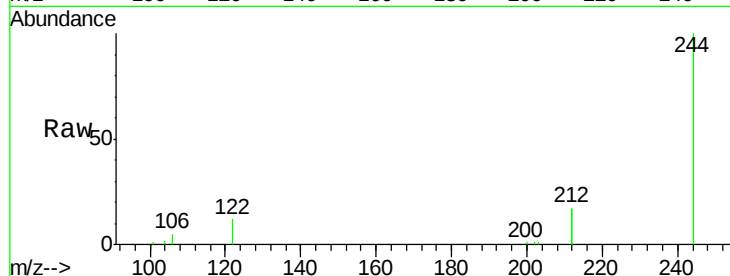
Tgt Ion:244 Resp: 13668

Ion Ratio Lower Upper

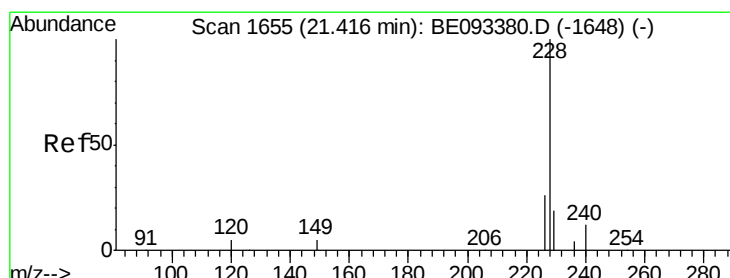
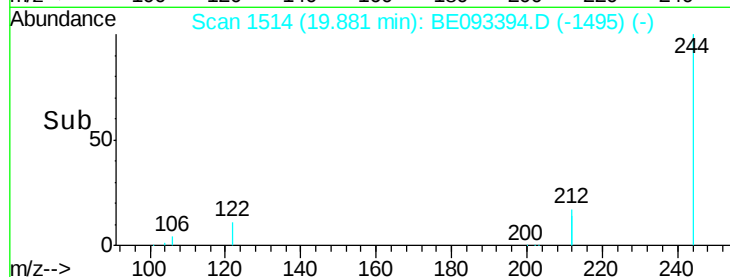
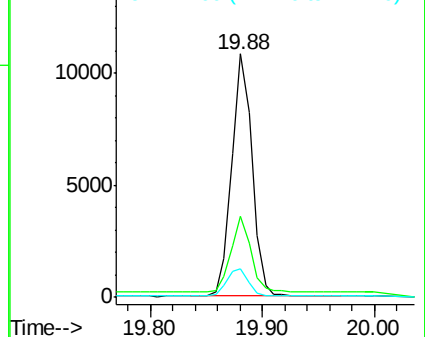
244 100

212 33.1 10.6 16.0#

122 11.7 15.4 23.0#



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: 0.33 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

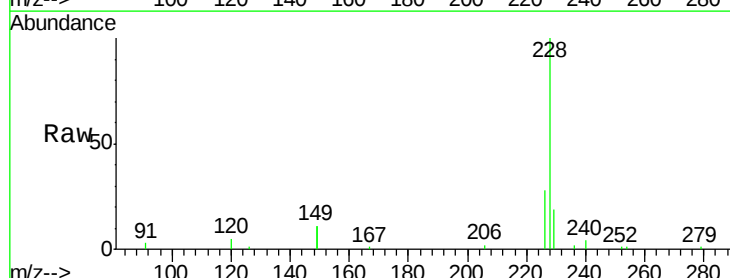
Tgt Ion:228 Resp: 19676

Ion Ratio Lower Upper

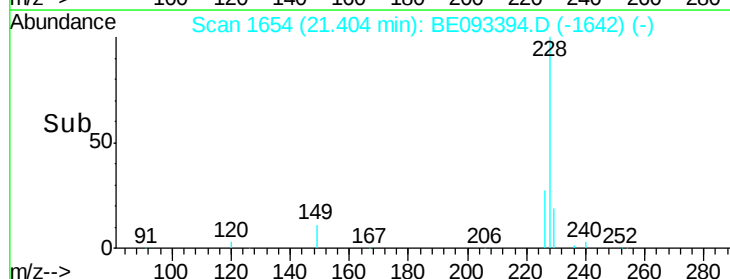
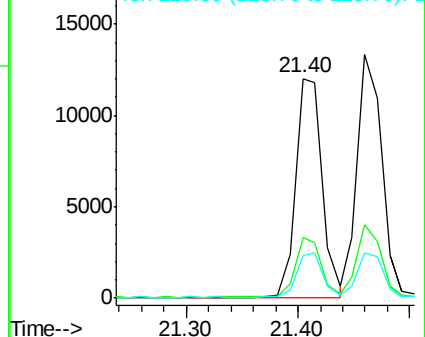
228 100

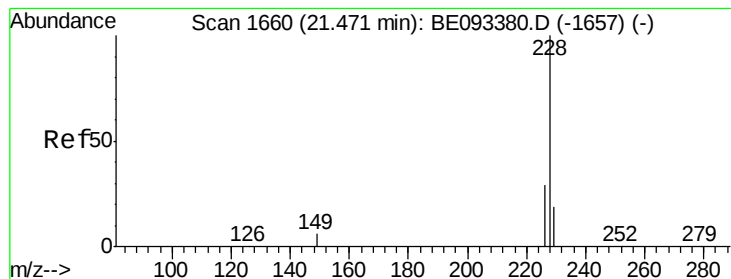
226 27.7 19.7 29.5

229 19.4 19.2 28.8



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





#31

Chrysene

Concen: 0.32 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

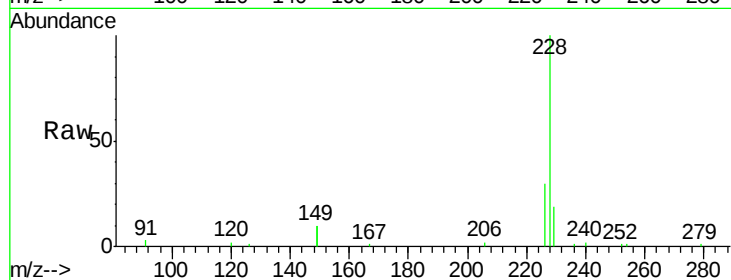
Tgt Ion:228 Resp: 20359

Ion Ratio Lower Upper

228 100

226 30.3 21.5 32.3

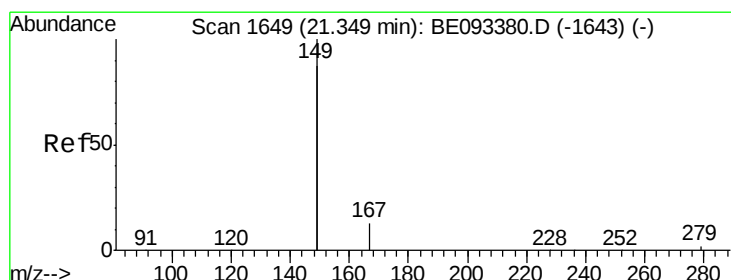
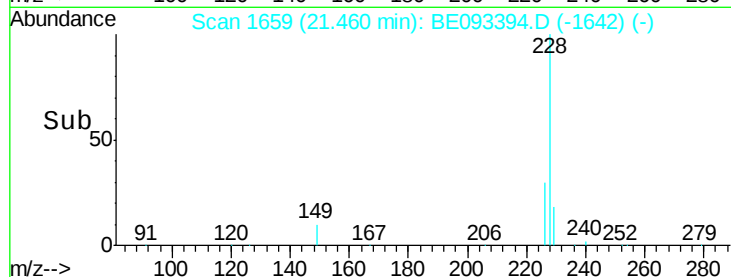
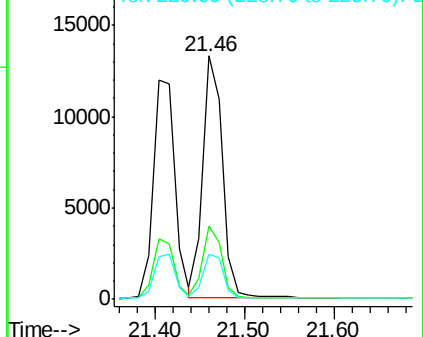
229 18.8 18.6 28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

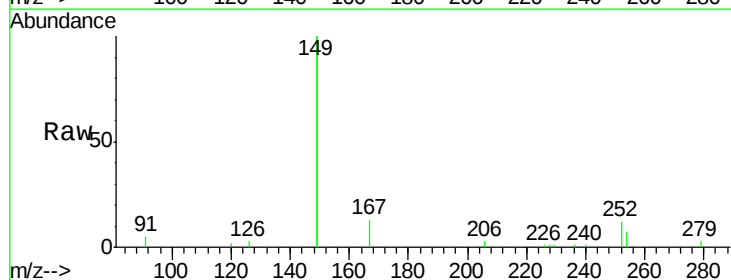
Tgt Ion:149 Resp: 20845

Ion Ratio Lower Upper

149 100

167 6.5 20.1 30.1#

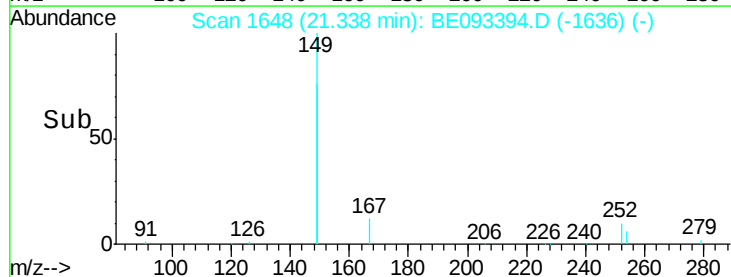
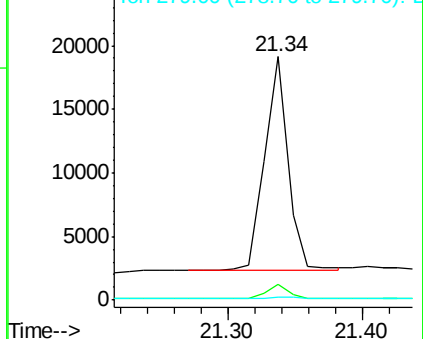
279 1.2 2.2 3.4#

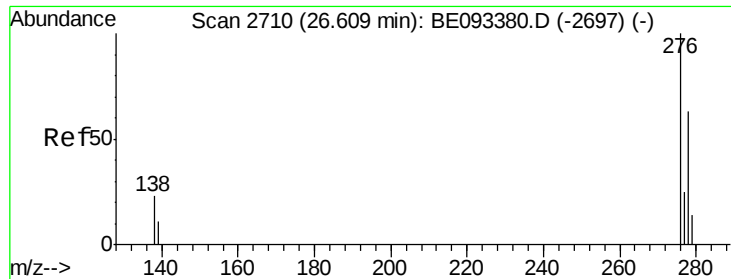


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.47 ng

RT: 26.59 min Scan# 2707

Delta R.T. -0.02 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

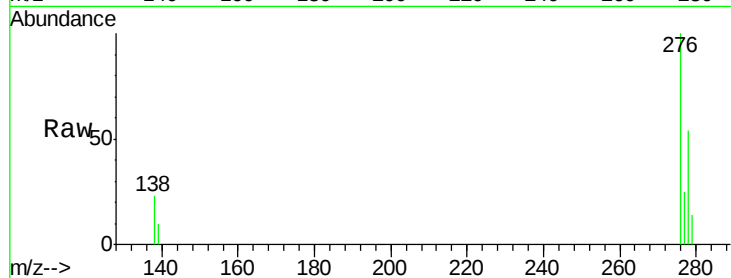
Tgt Ion:276 Resp: 29062

Ion Ratio Lower Upper

276 100

138 24.7 27.4 41.2#

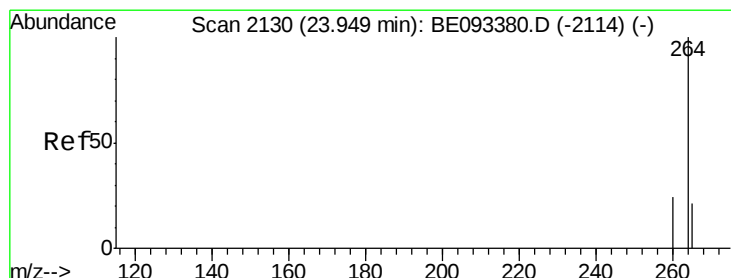
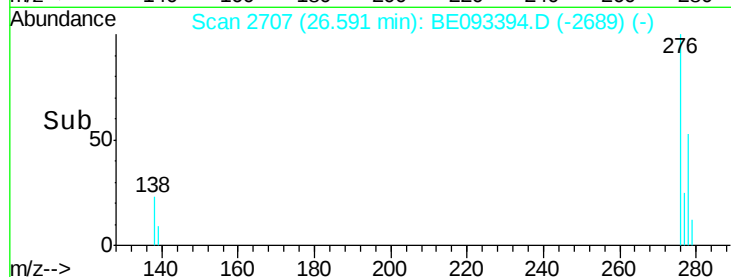
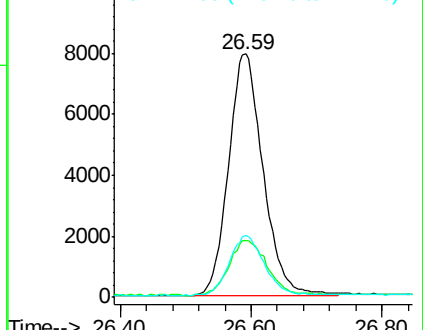
277 25.0 20.1 30.1



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

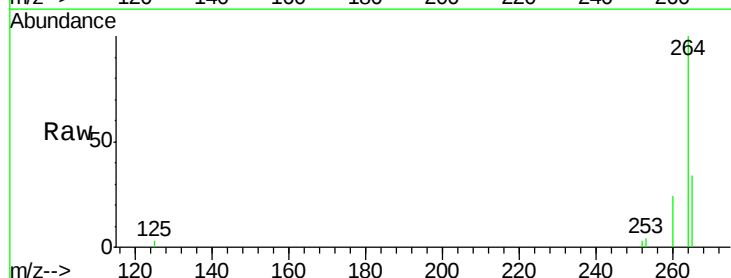
Tgt Ion:264 Resp: 22022

Ion Ratio Lower Upper

264 100

260 24.3 21.0 31.4

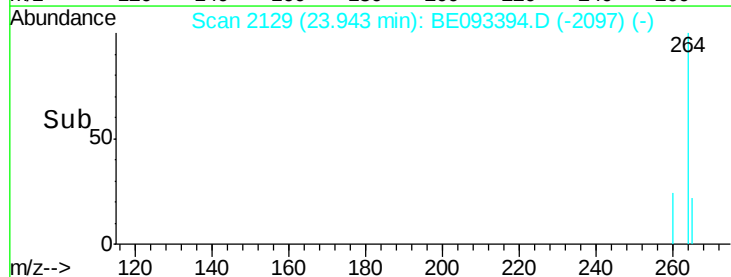
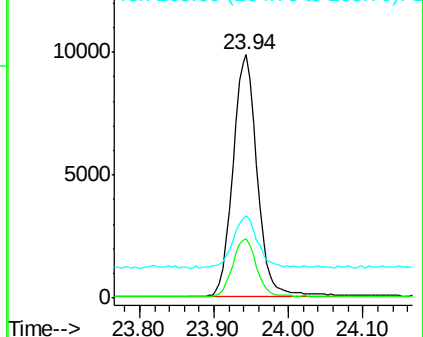
265 33.8 24.6 36.8

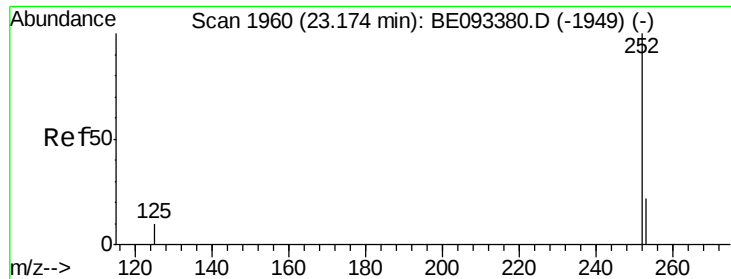


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.32 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

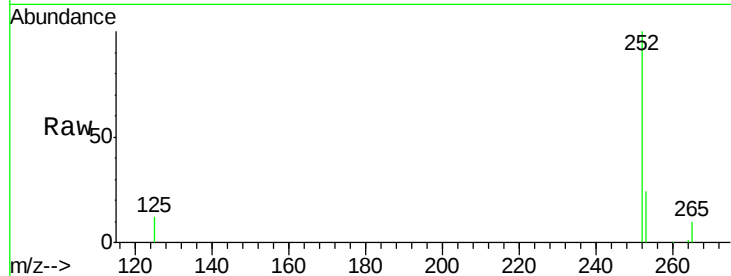
Tgt Ion:252 Resp: 22142

Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

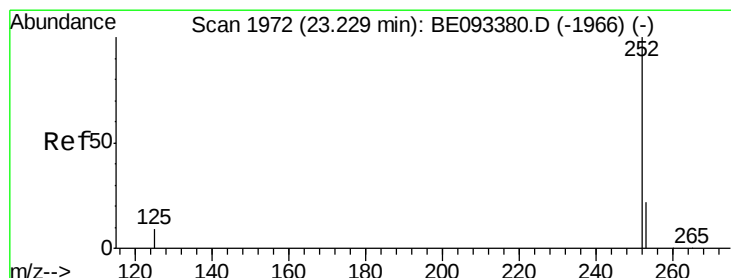
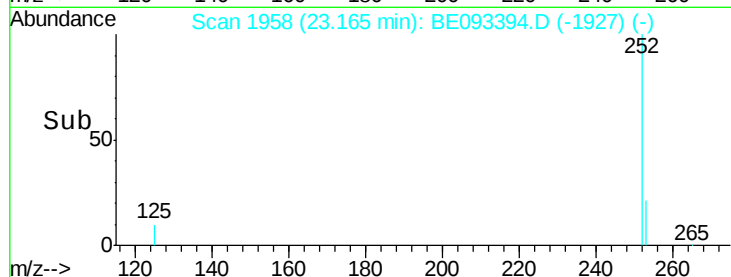
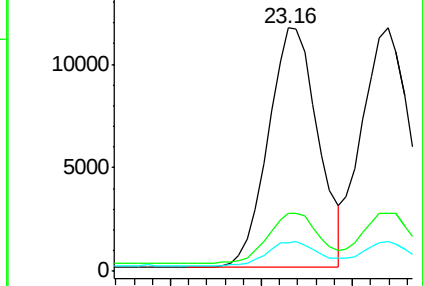
125 11.7 13.4 20.0#



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: 0.32 ng

RT: 23.22 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

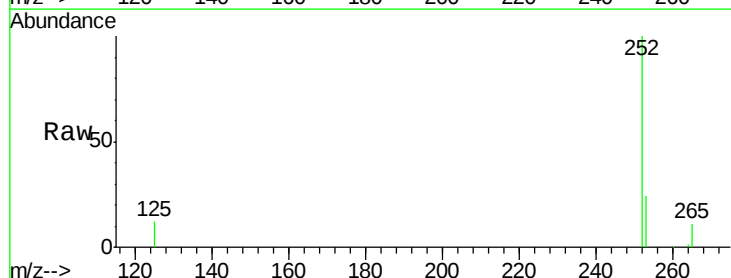
Tgt Ion:252 Resp: 22124

Ion Ratio Lower Upper

252 100

253 24.1 20.3 30.5

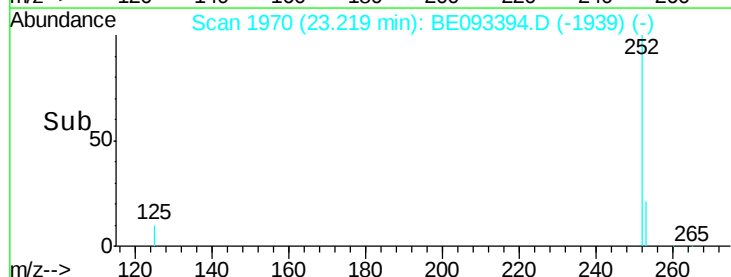
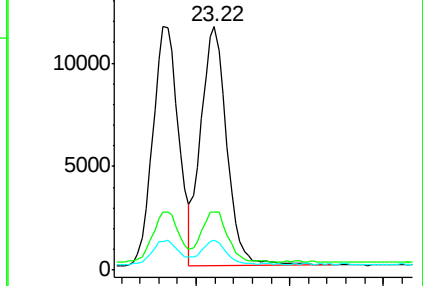
125 12.1 12.2 18.4#

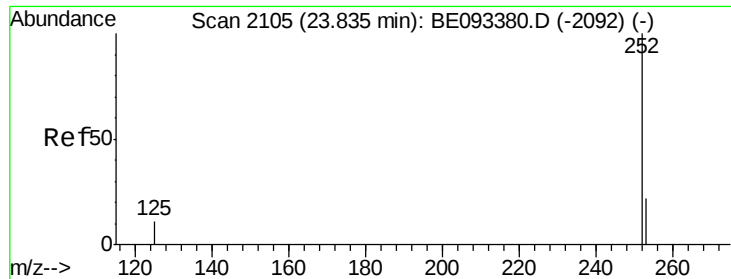


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.83 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS

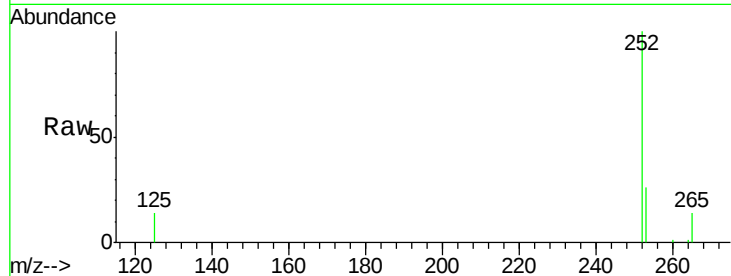
Tgt Ion:252 Resp: 20106

Ion Ratio Lower Upper

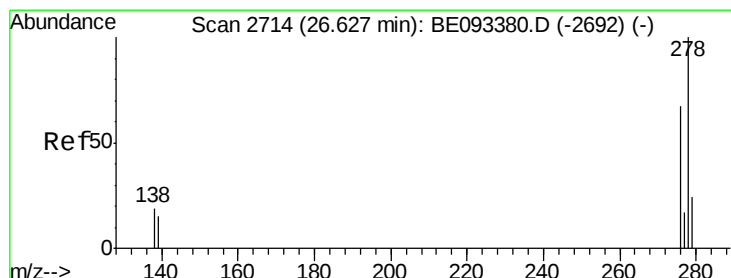
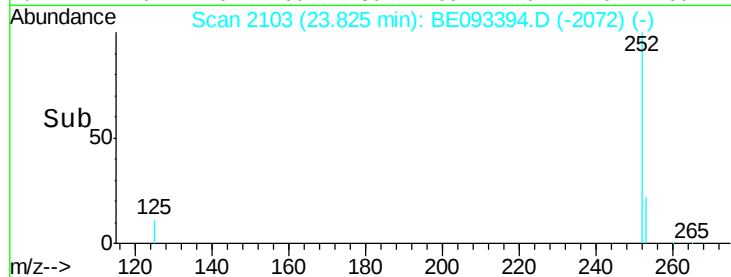
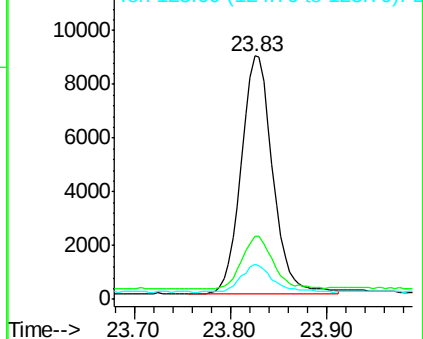
252 100

253 25.9 19.9 29.9

125 14.1 14.6 21.8#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.40 ng

RT: 26.61 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BE093394.D

Acq: 1 Jul 2017 16:03

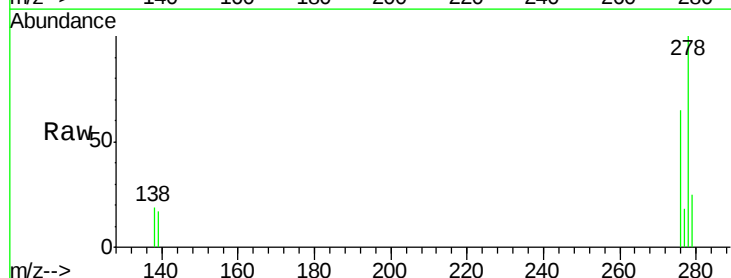
Tgt Ion:278 Resp: 24859

Ion Ratio Lower Upper

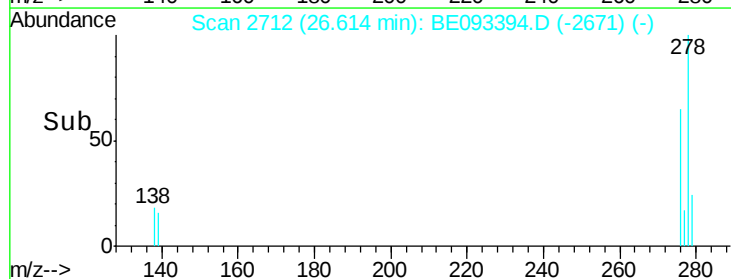
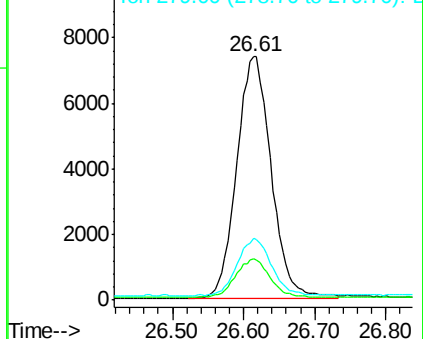
278 100

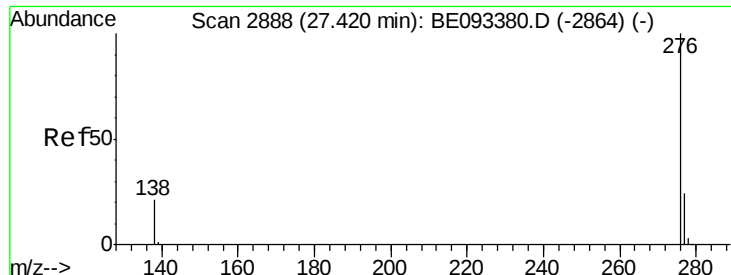
139 16.9 21.4 32.0#

279 25.4 22.2 33.2



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





#39

Benzo(g,h,i)perylene

Concen: 0.41 ng

RT: 27.40 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BE093394.D

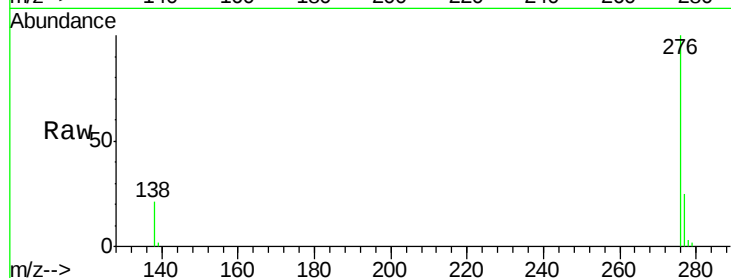
Acq: 1 Jul 2017 16:03

Instrument :

BNA\_E

ClientSampleId :

PB100316BS



Tgt Ion: 276 Resp: 25908

Ion Ratio Lower Upper

276 100

277 24.7 21.2 31.8

138 21.2 24.5 36.7

