

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\  
 Data File : BE093628.D  
 Acq On : 2 Aug 2017 16:05  
 Operator : SJ/JU  
 Sample : PB100998BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100998BS

Quant Time: Aug 02 17:30:04 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 10:58:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 2250     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.71 | 136  | 9713     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 4476     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 10918    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 15353    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.91 | 264  | 7848     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.51  | 112  | 2681     | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                | 7.10  | 99   | 3614     | 0.36 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.06  | 82   | 2799     | 0.38 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152  | 4981     | 0.32 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 475      | 0.46 | ng    | 0.03     |
| 15) 2-Fluorobiphenyl        | 13.16 | 172  | 7116     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 54168    | 0.44 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 11661    | 0.42 | ng    | 0.00     |

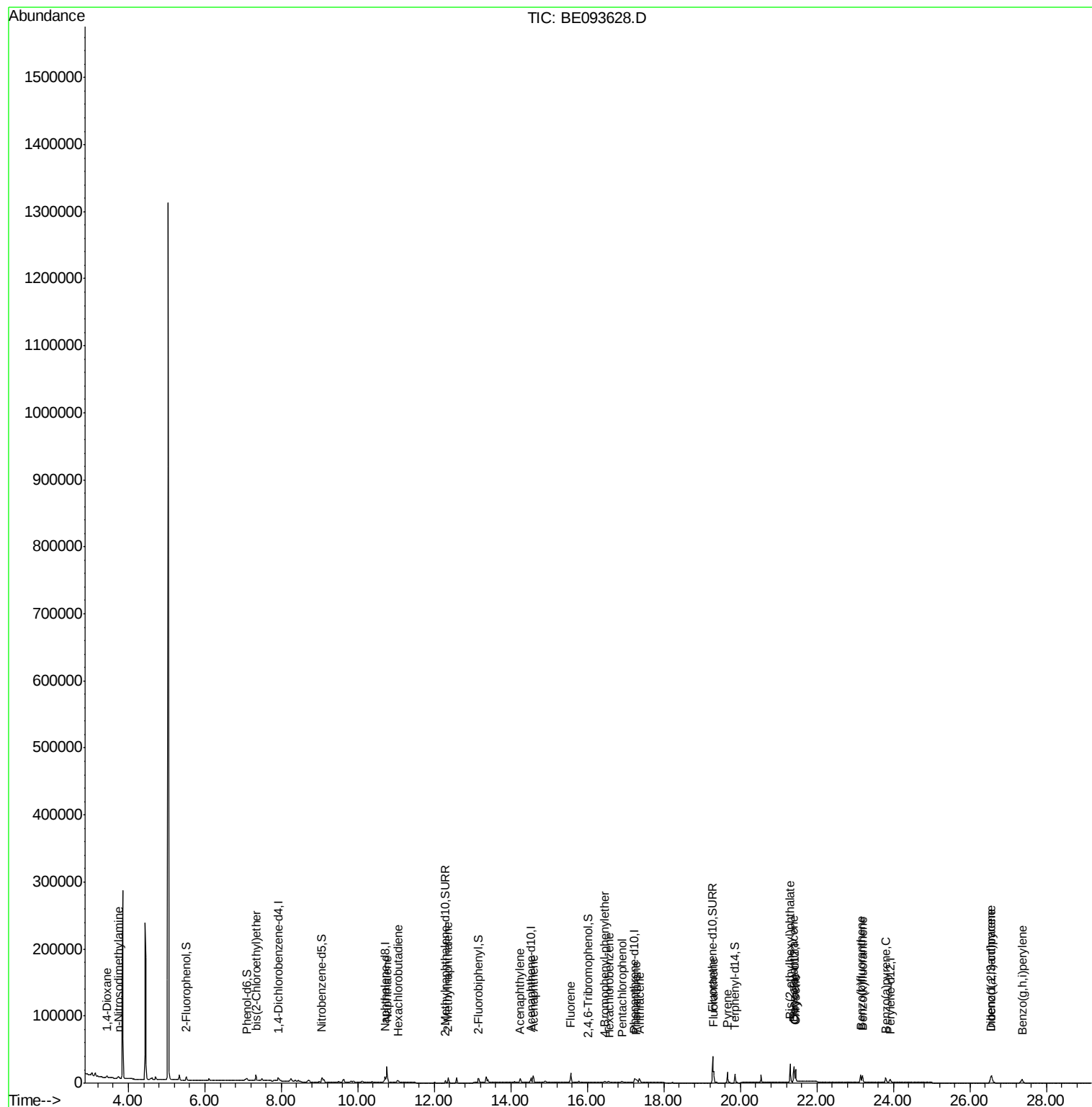
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88   | 1241     | 0.340 | ng    | # 58   |
| 3) n-Nitrosodimethylamine      | 3.74  | 42   | 1754     | 0.513 | ng    | # 76   |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93   | 2922     | 0.344 | ng    | # 99   |
| 9) Naphthalene                 | 10.76 | 128  | 37274    | 0.332 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.04 | 225  | 1446     | 0.347 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 6056     | 0.326 | ng    | 98     |
| 16) Acenaphthylene             | 14.24 | 152  | 6925     | 0.324 | ng    | # 87   |
| 17) Acenaphthene               | 14.58 | 154  | 5336     | 0.354 | ng    | 98     |
| 18) Fluorene                   | 15.56 | 166  | 7042     | 0.349 | ng    | # 86   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 1390     | 0.423 | ng    | # 85   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 1369     | 0.406 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266  | 1741     | 0.967 | ng    | 98     |
| 23) Phenanthrene               | 17.27 | 178  | 8828     | 0.368 | ng    | # 60   |
| 24) Anthracene                 | 17.36 | 178  | 10838    | 0.330 | ng    | # 76   |
| 26) Fluoranthene               | 19.30 | 202  | 16565    | 0.433 | ng    | 99     |
| 28) Pyrene                     | 19.66 | 202  | 14978    | 0.302 | ng    | # 97   |
| 30) Benzo(a)anthracene         | 21.39 | 228  | 17302    | 0.383 | ng    | 95     |
| 31) Chrysene                   | 21.45 | 228  | 18295    | 0.364 | ng    | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 29551    | 0.480 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 15203    | 0.334 | ng    | 94     |
| 35) Benzo(b)fluoranthene       | 23.14 | 252  | 17210    | 0.615 | ng    | # 95   |
| 36) Benzo(k)fluoranthene       | 23.19 | 252  | 15572    | 0.544 | ng    | 95     |
| 37) Benzo(a)pyrene             | 23.80 | 252  | 11364    | 0.448 | ng    | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278  | 14479    | 0.591 | ng    | # 90   |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276  | 12463    | 0.502 | ng    | 93     |

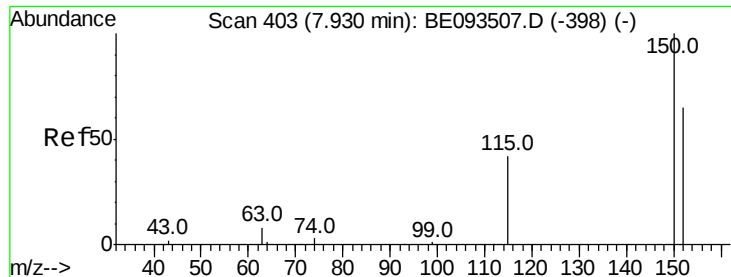
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\  
Data File : BE093628.D  
Acq On : 2 Aug 2017 16:05  
Operator : SJ/JU  
Sample : PB100998BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

Quant Time: Aug 02 17:30:04 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 10:58:31 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.93 min Scan# 403

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

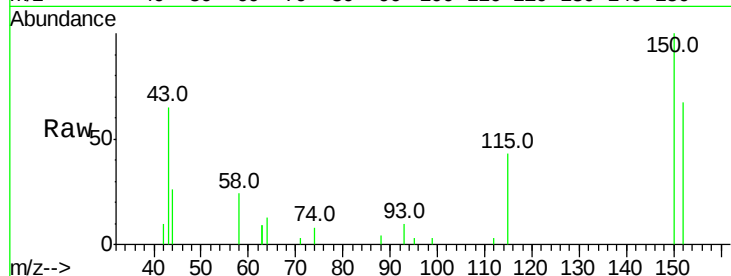
Tot Ion:152 Resp: 2250

Ion Ratio Lower Upper

152 100

150 149.6 125.1 187.7

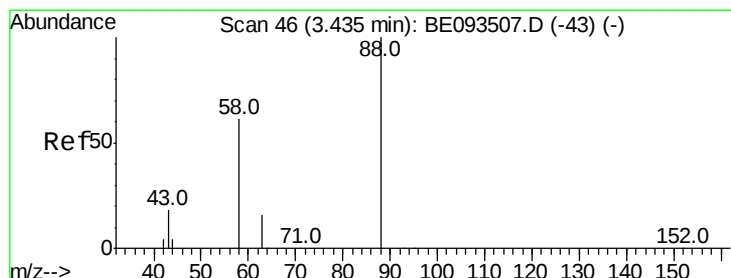
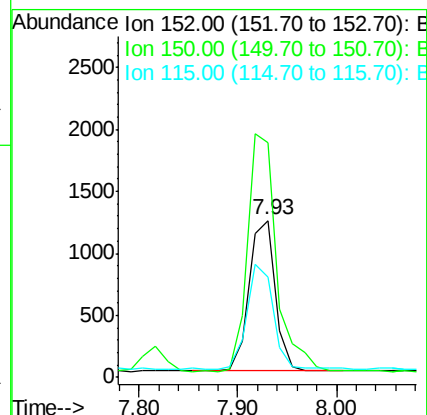
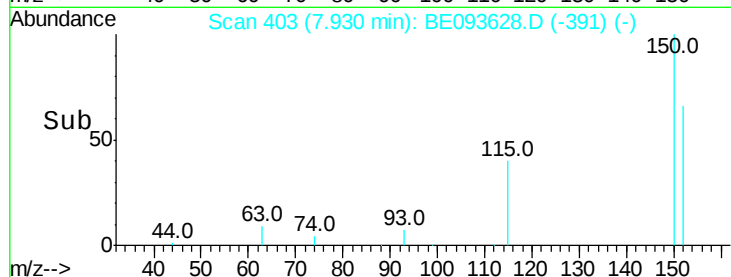
115 63.7 55.7 83.5



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: 0.340 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

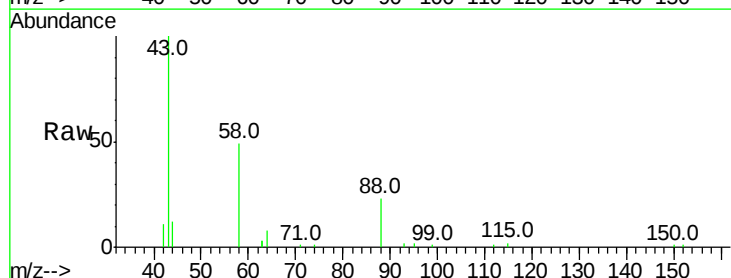
Tgt Ion: 88 Resp: 1241

Ion Ratio Lower Upper

88 100

58 110.2 62.2 93.4#

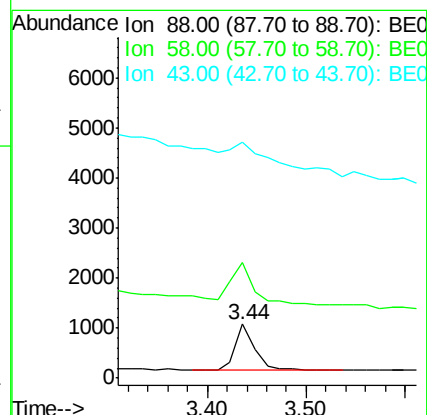
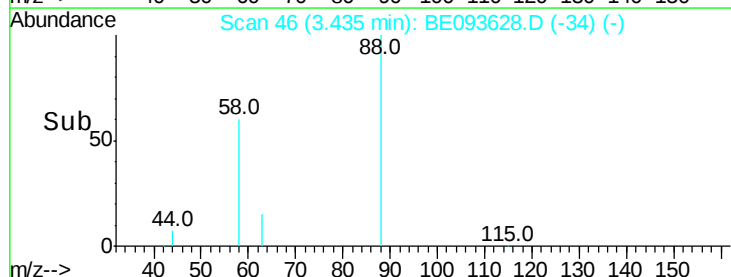
43 0.0 23.2 34.8#

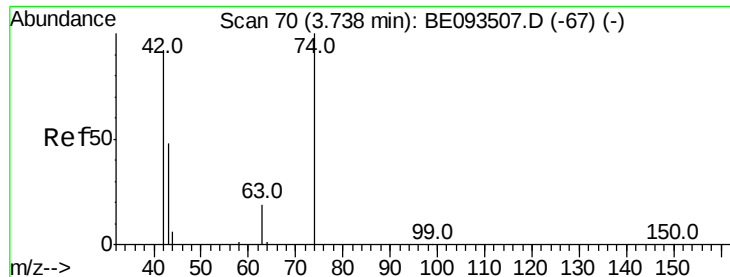


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.513 ng

RT: 3.74 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

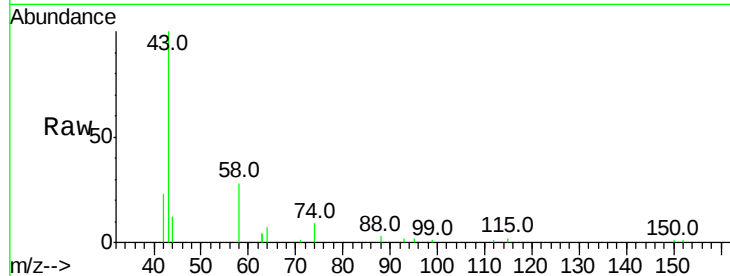
Tot Ion: 42 Resp: 1754

Ion Ratio Lower Upper

42 100

74 96.4 99.1 148.7#

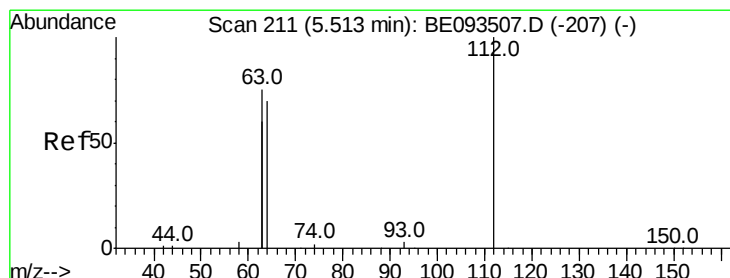
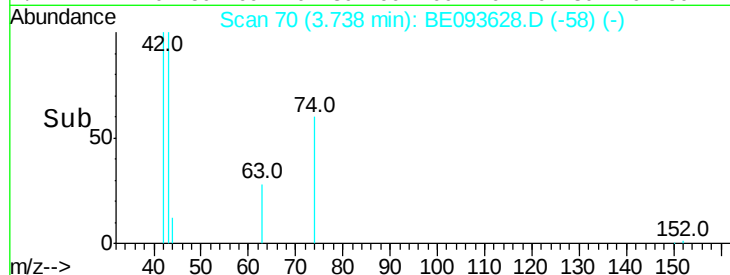
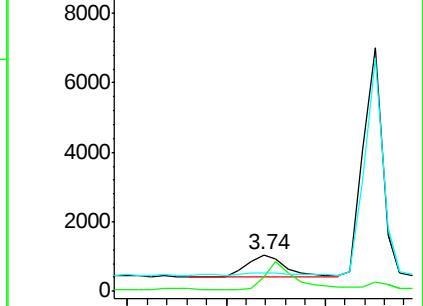
44 0.0 7.4 11.2#



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: 0.400 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

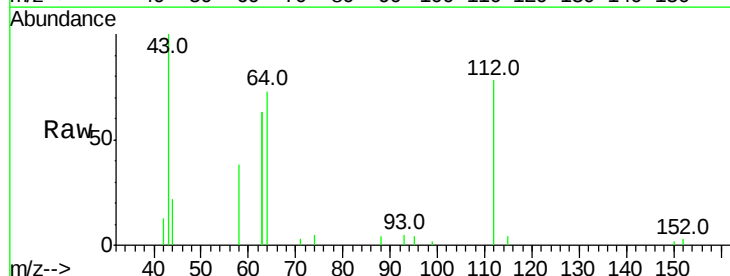
Tgt Ion: 112 Resp: 2681

Ion Ratio Lower Upper

112 100

64 71.4 56.4 84.6

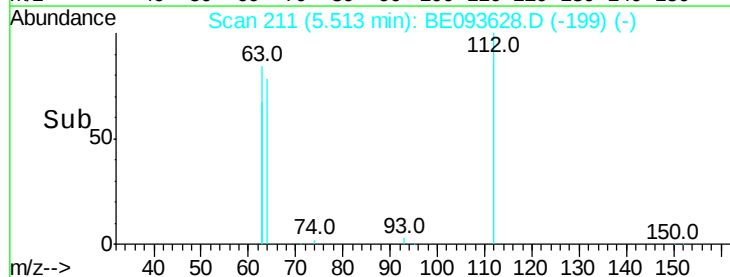
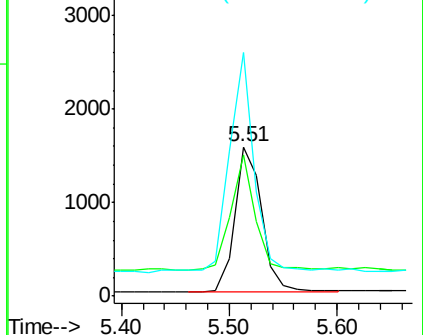
63 139.7 29.3 43.9#

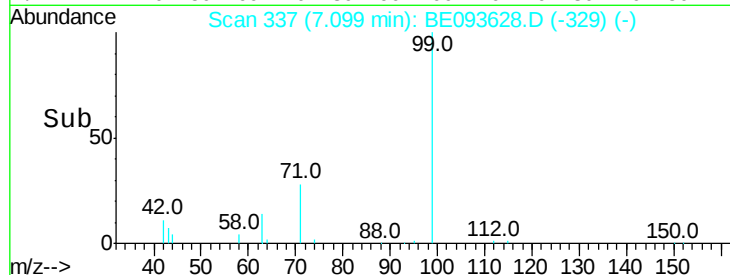
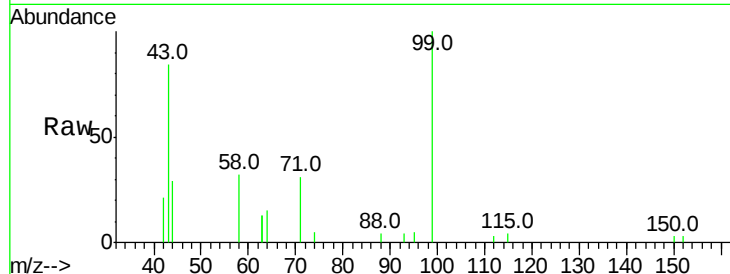
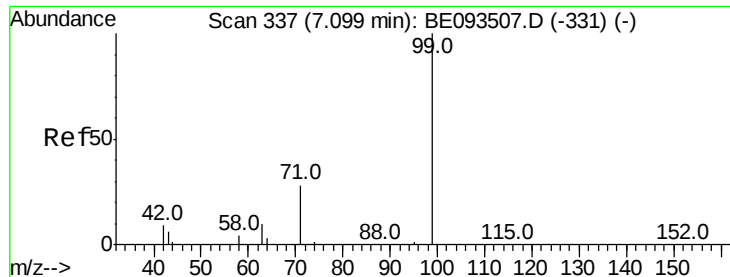


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.358 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

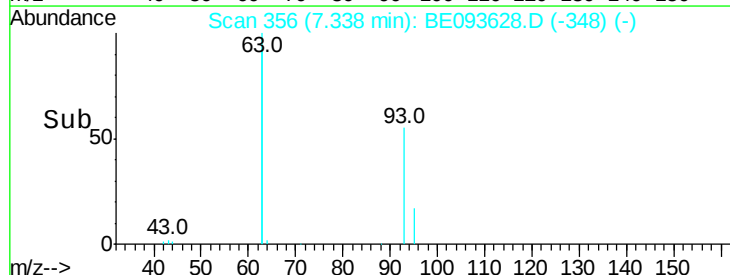
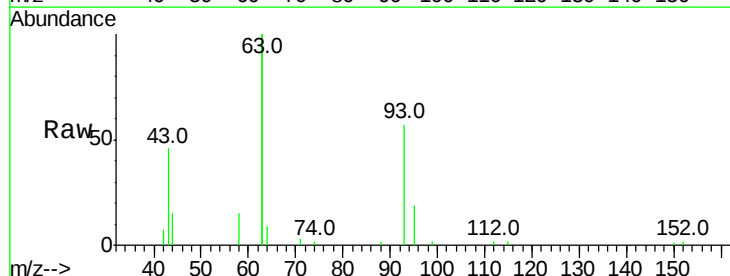
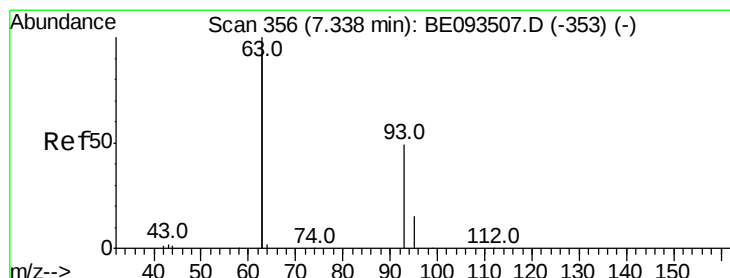
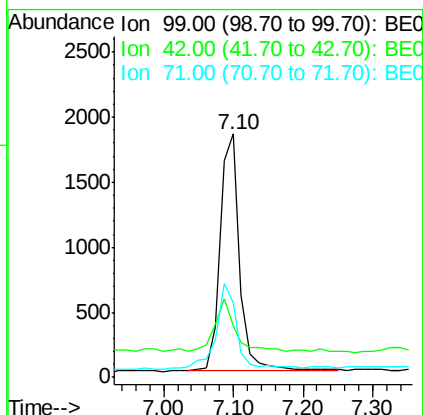
Tot Ion: 99 Resp: 3614

Ion Ratio Lower Upper

99 100

42 22.0 0.0 0.0#

71 36.6 0.0 0.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.344 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

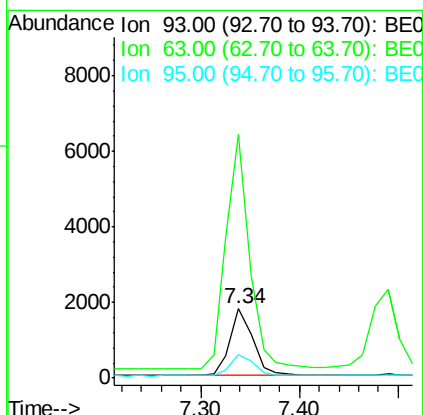
Tgt Ion: 93 Resp: 2922

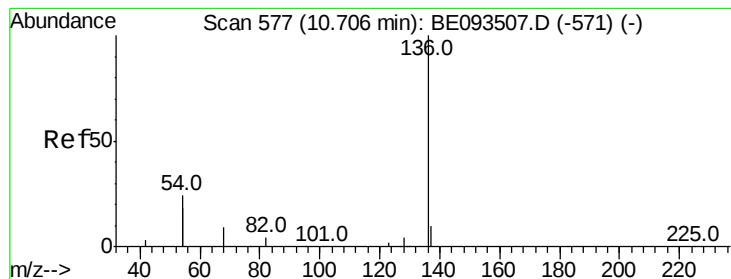
Ion Ratio Lower Upper

93 100

63 346.5 0.0 0.0#

95 32.0 25.4 38.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

Tot Ion:136 Resp: 9713

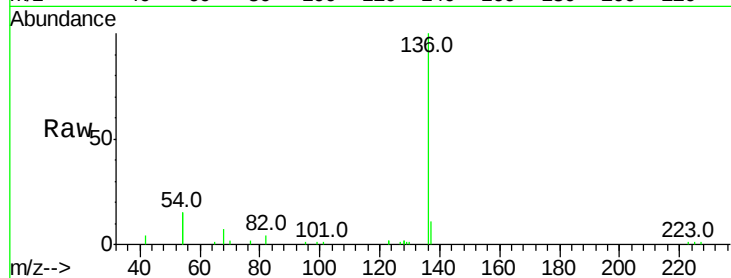
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 30.7 10.3 15.5#

68 6.6 9.0 13.4#

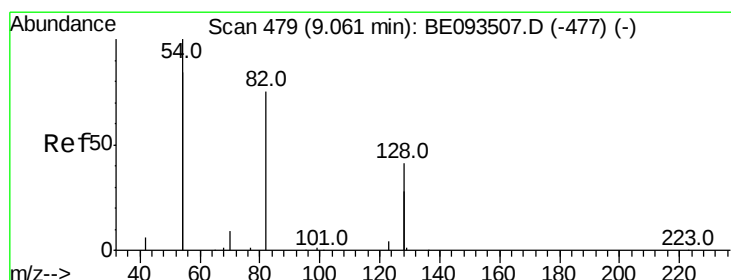
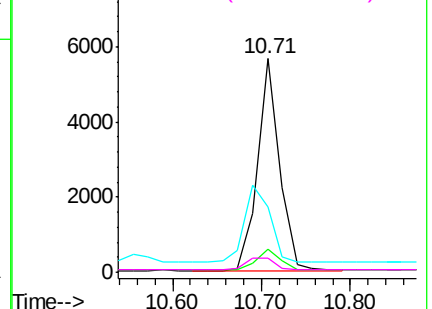
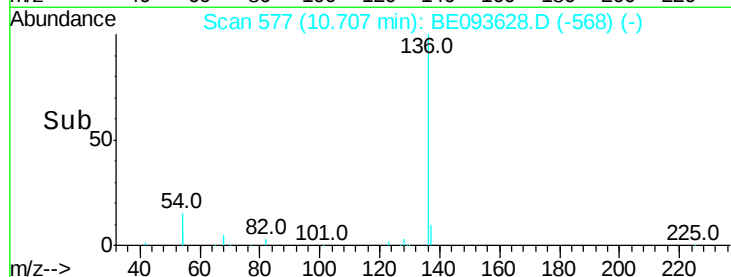


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.378 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

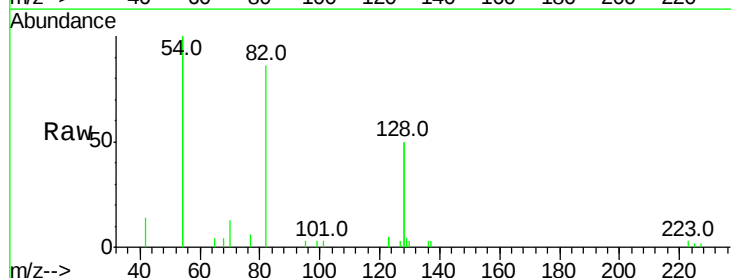
Tgt Ion: 82 Resp: 2799

Ion Ratio Lower Upper

82 100

128 115.8 17.0 25.4#

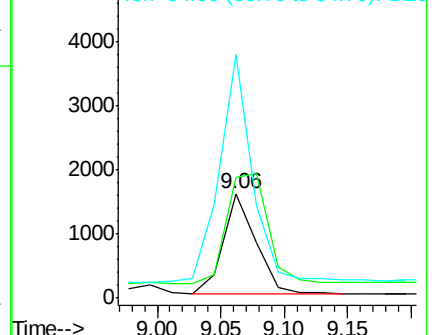
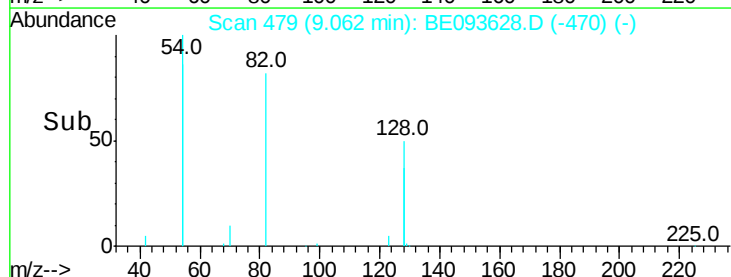
54 233.1 53.8 80.6#

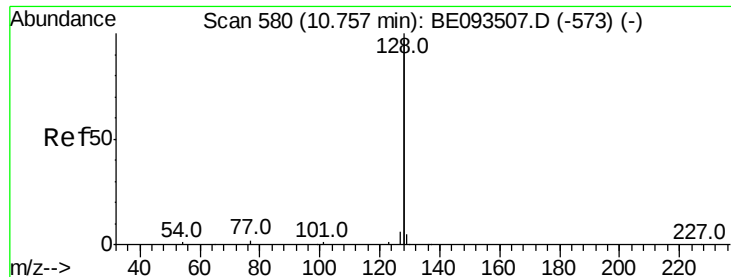


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.332 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

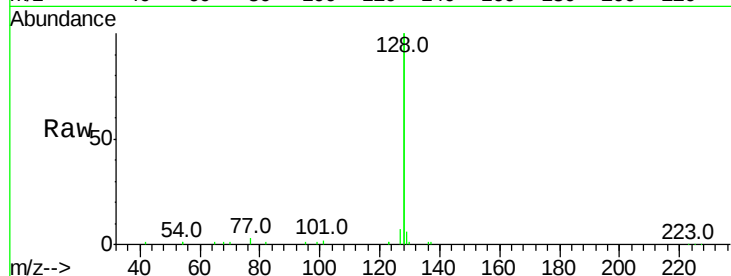
Tot Ion:128 Resp: 37274

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

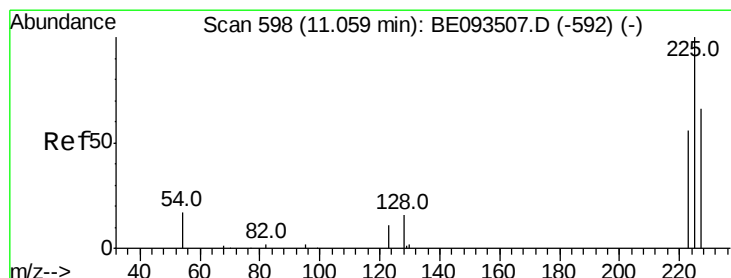
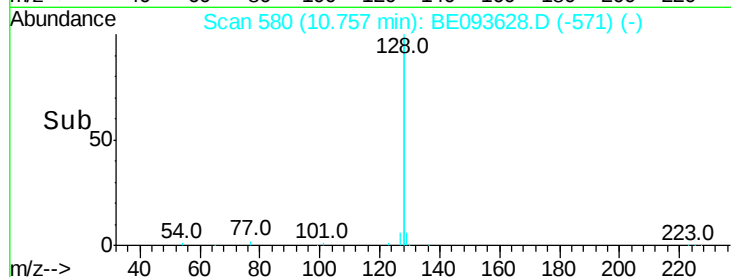
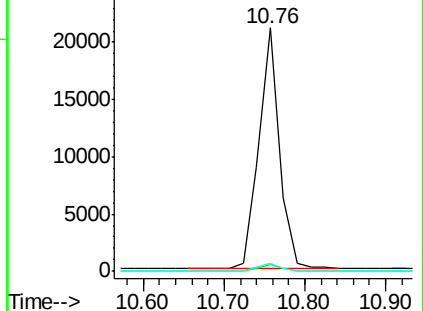
127 3.4 2.4 3.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.347 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.02 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

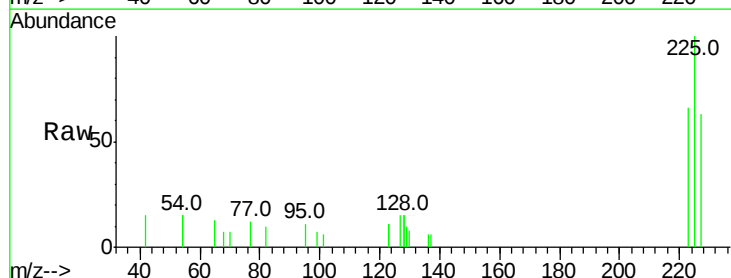
Tgt Ion:225 Resp: 1446

Ion Ratio Lower Upper

225 100

223 63.3 49.7 74.5

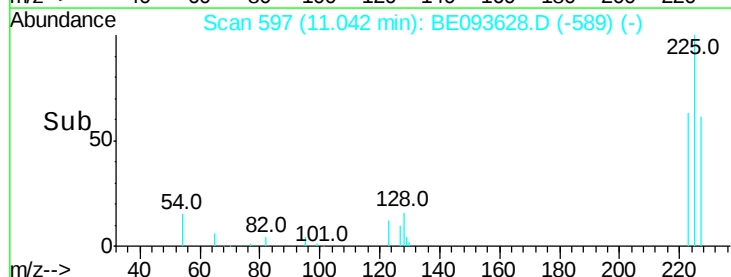
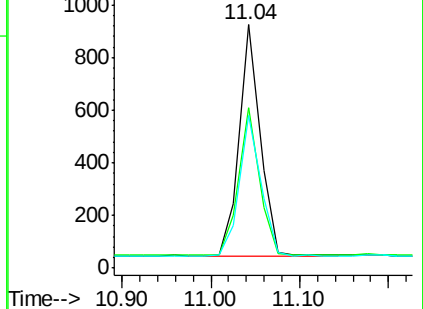
227 63.2 50.3 75.5

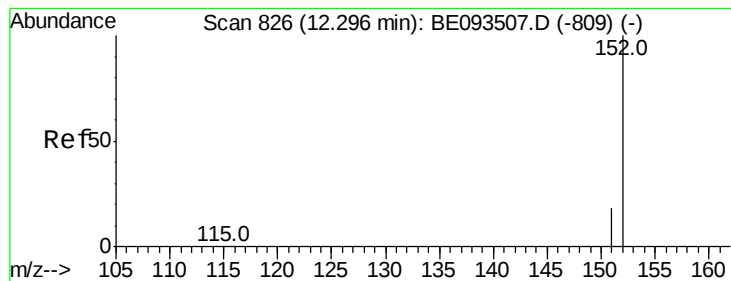


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.325 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

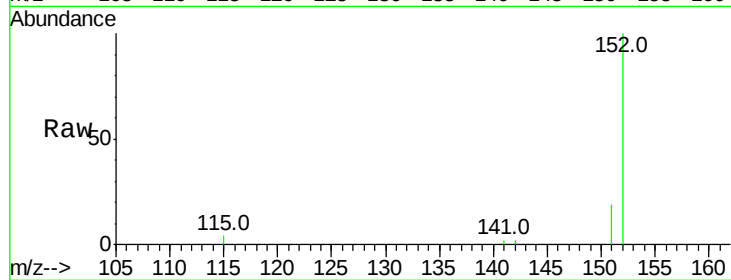
PB100998BS

Tot Ion:152 Resp: 4981

Ion Ratio Lower Upper

152 100

151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

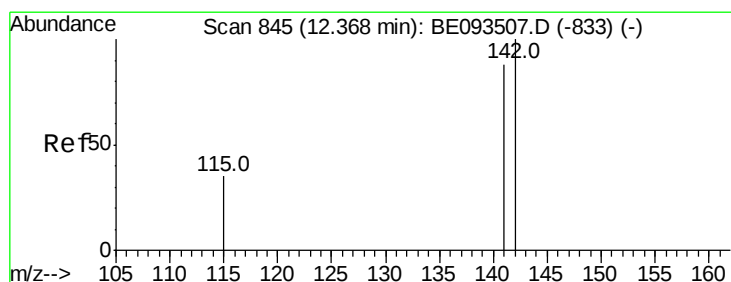
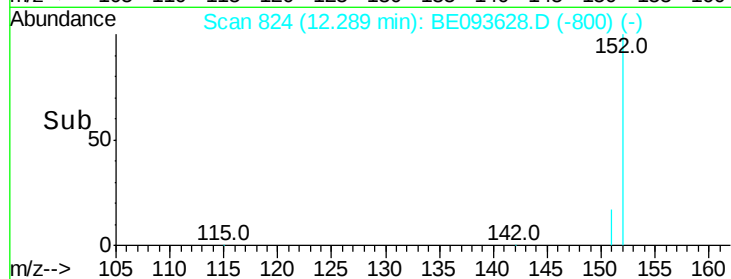
3000

2000

1000

0

Time--> 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.326 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

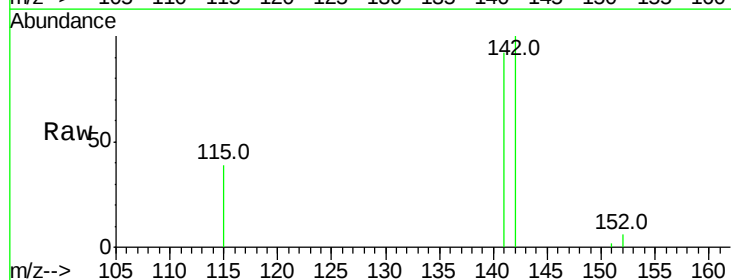
Tgt Ion:142 Resp: 6056

Ion Ratio Lower Upper

142 100

141 92.3 72.6 108.8

115 39.3 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.36

5000

4000

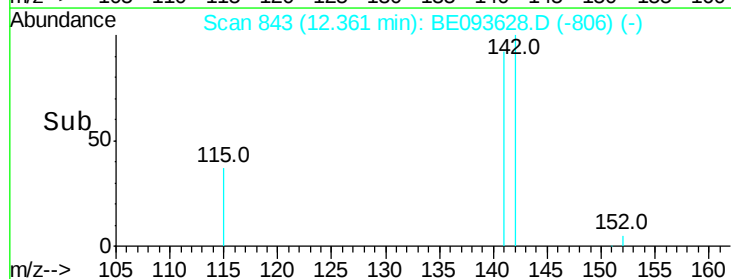
3000

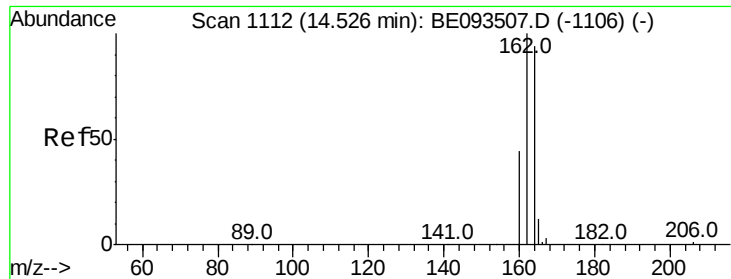
2000

1000

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

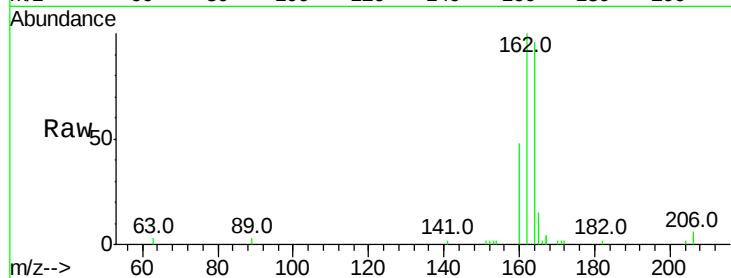
Tot Ion:164 Resp: 4476

Ion Ratio Lower Upper

164 100

162 103.7 84.6 127.0

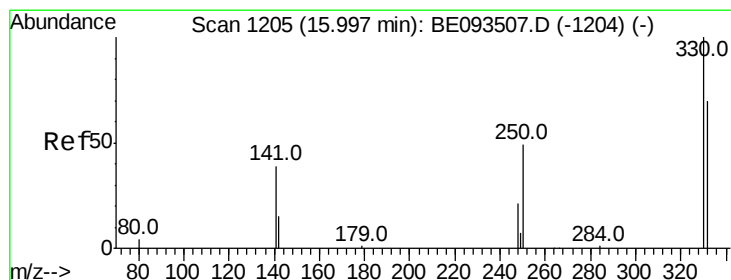
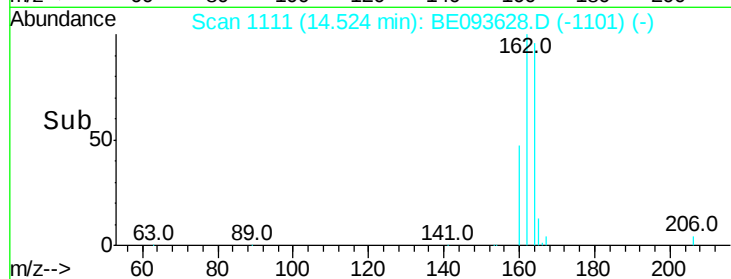
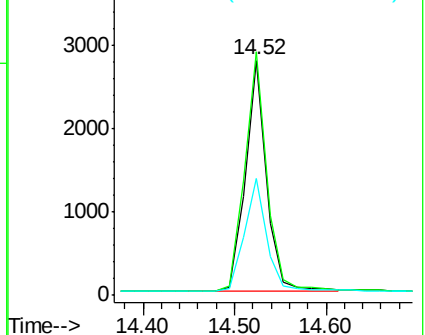
160 50.0 41.8 62.6



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: 0.461 ng

RT: 16.03 min Scan# 1205

Delta R.T. 0.03 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

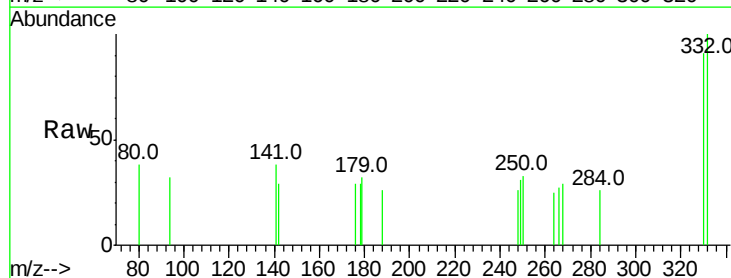
Tgt Ion:330 Resp: 475

Ion Ratio Lower Upper

330 100

332 94.3 77.7 116.5

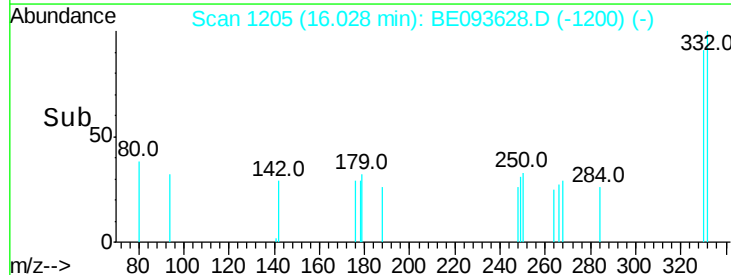
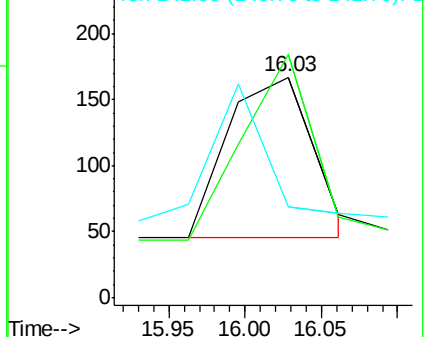
141 0.0 56.2 84.4#

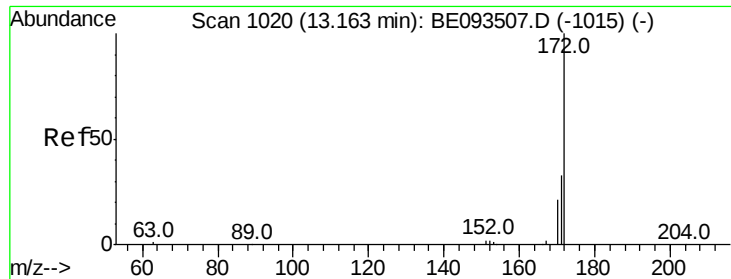


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

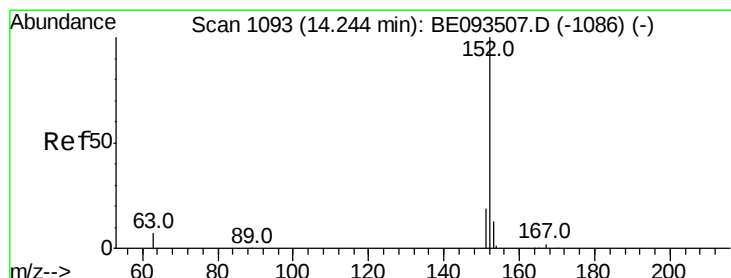
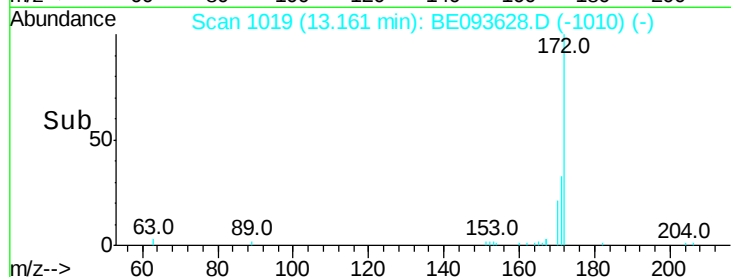
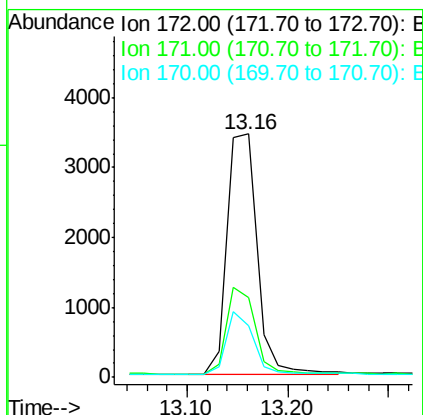
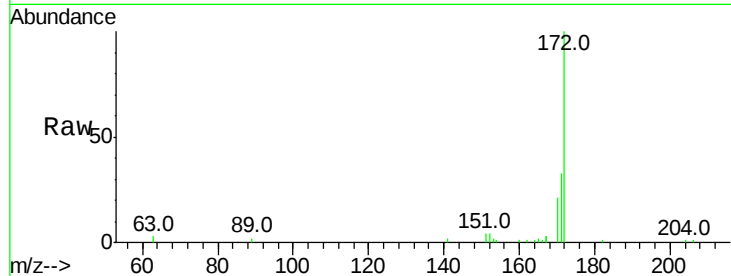




#15  
2-Fluorobiphenyl  
Concen: 0.397 ng  
RT: 13.16 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BE093628.D  
Acq: 2 Aug 2017 16:05

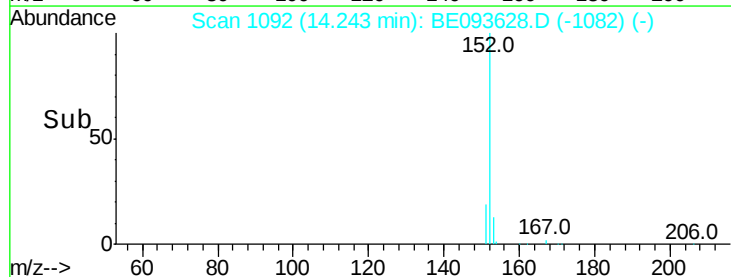
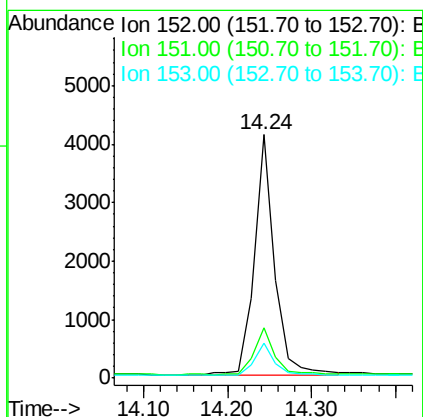
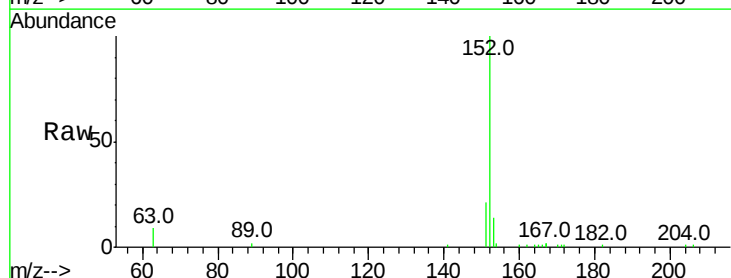
Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

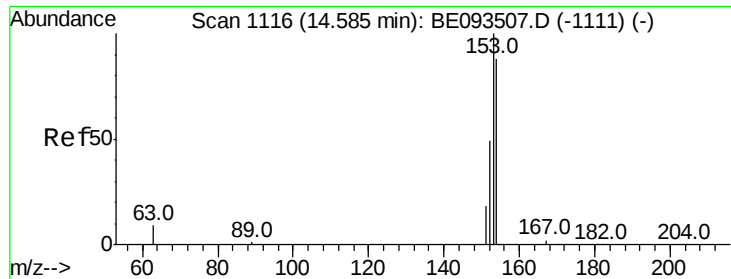
Tot Ion:172 Resp: 7116  
Ion Ratio Lower Upper  
172 100  
171 32.9 29.8 44.6  
170 21.1 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.324 ng  
RT: 14.24 min Scan# 1092  
Delta R.T. -0.00 min  
Lab File: BE093628.D  
Acq: 2 Aug 2017 16:05

Tgt Ion:152 Resp: 6925  
Ion Ratio Lower Upper  
152 100  
151 19.9 4.0 6.0#  
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.354 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

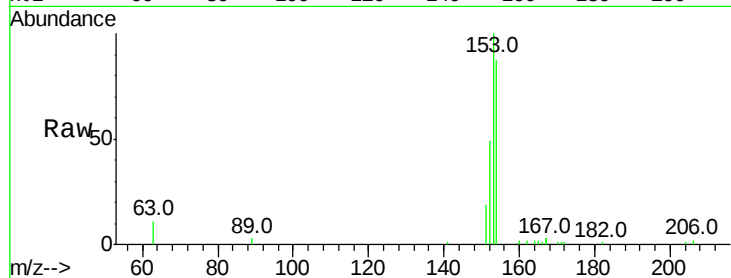
Tot Ion:154 Resp: 5336

Ion Ratio Lower Upper

154 100

153 112.3 91.2 136.8

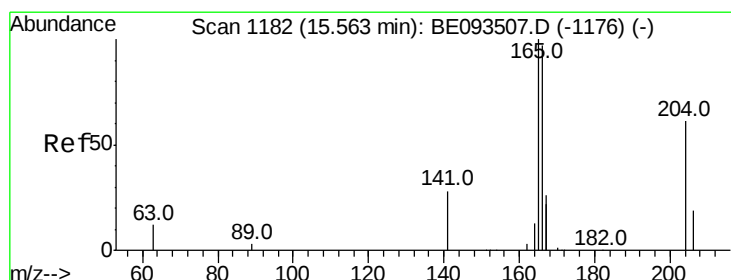
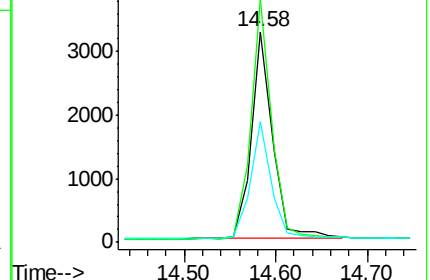
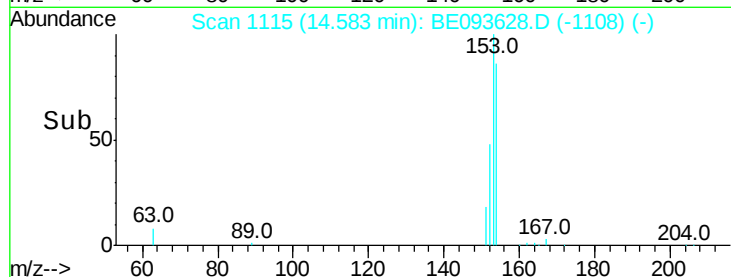
152 54.6 44.8 67.2



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: 0.349 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

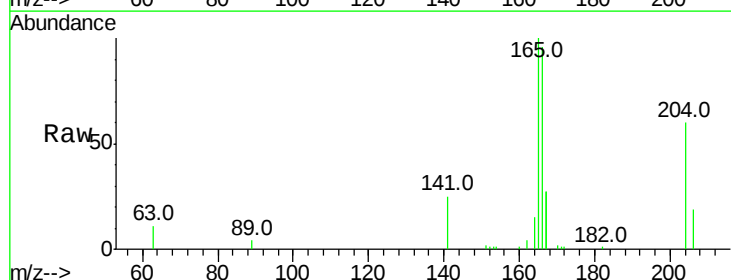
Tgt Ion:166 Resp: 7042

Ion Ratio Lower Upper

166 100

165 100.0 78.6 117.8

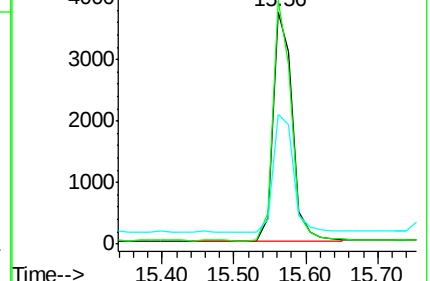
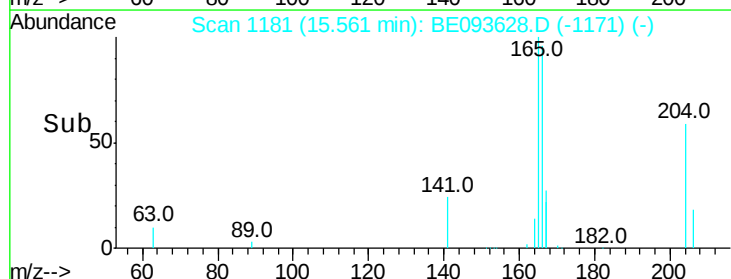
167 54.4 11.1 16.7#

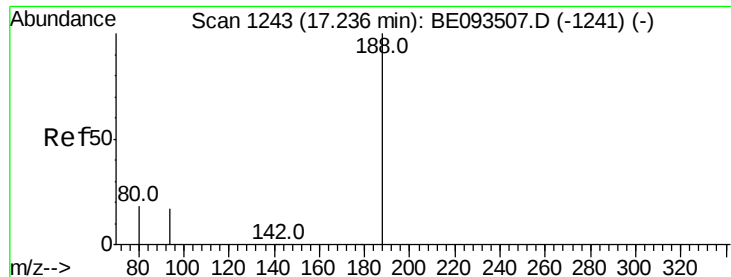


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

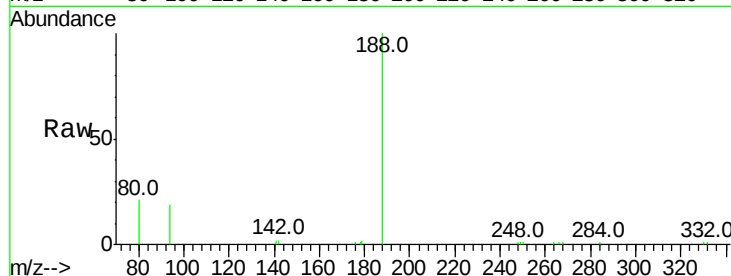
Tot Ion:188 Resp: 10918

Ion Ratio Lower Upper

188 100

94 18.6 11.3 16.9#

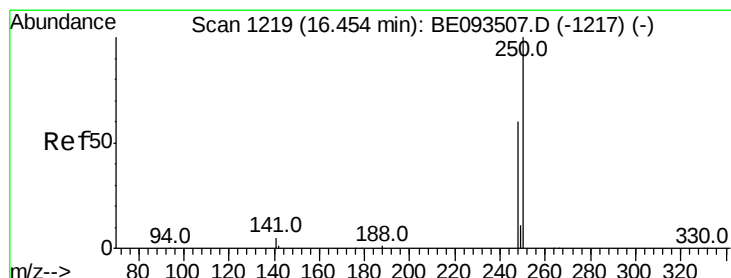
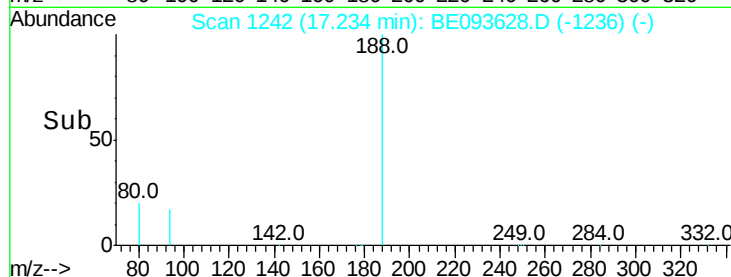
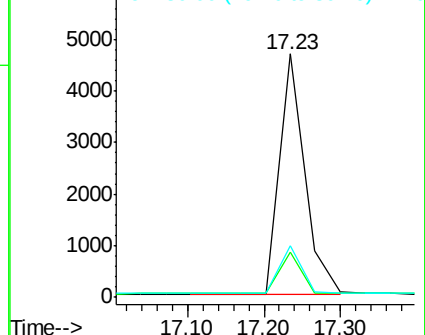
80 21.0 11.7 17.5#



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: 0.423 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

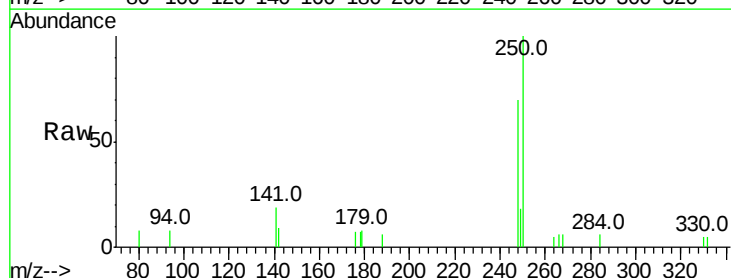
Tgt Ion:248 Resp: 1390

Ion Ratio Lower Upper

248 100

250 142.5 128.0 192.0

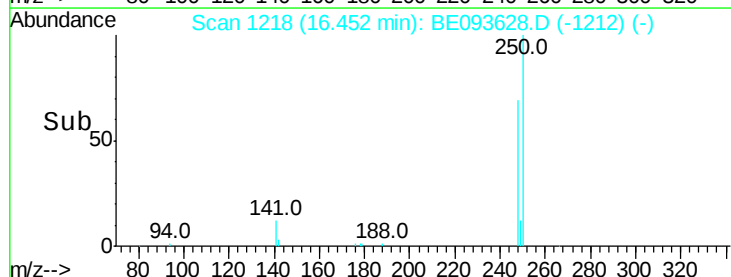
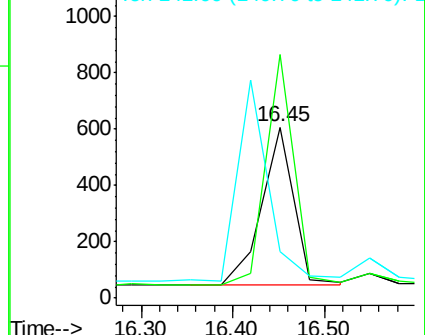
141 27.0 12.0 18.0#

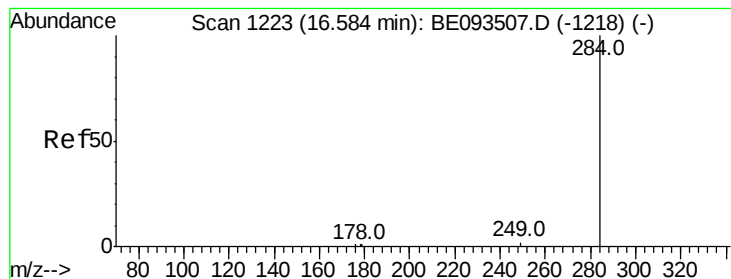


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

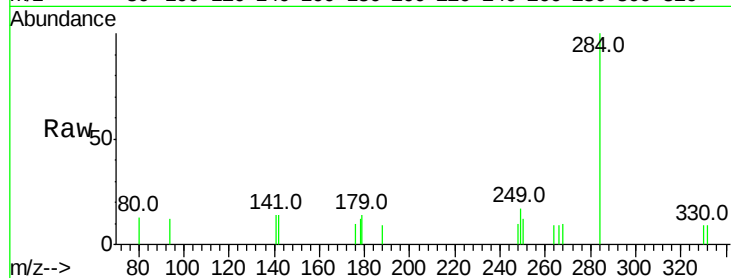
Tot Ion:284 Resp: 1369

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

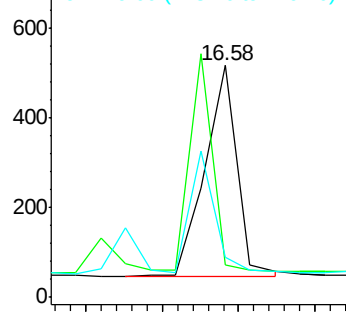
249 0.0 0.0 0.0



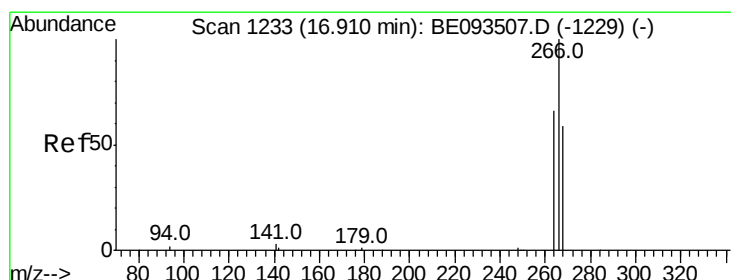
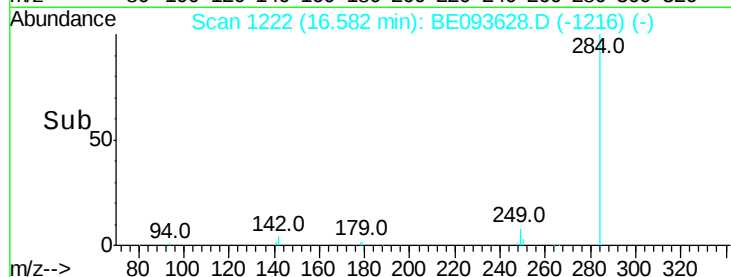
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.967 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

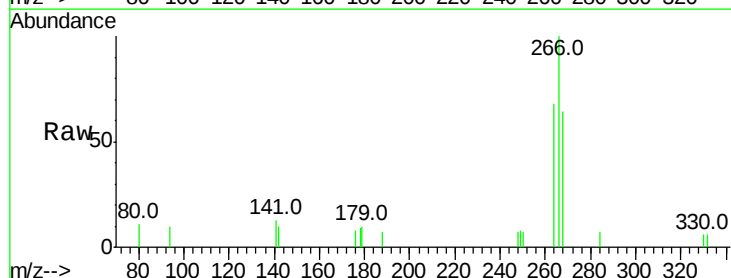
Tgt Ion:266 Resp: 1741

Ion Ratio Lower Upper

266 100

264 68.1 56.0 84.0

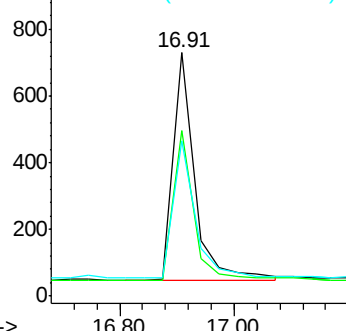
268 63.8 52.0 78.0



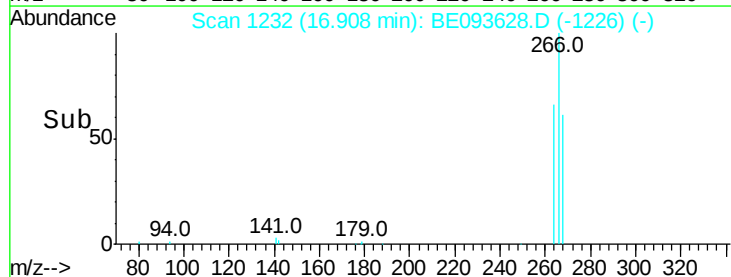
Abundance Ion 266.00 (265.70 to 266.70): E

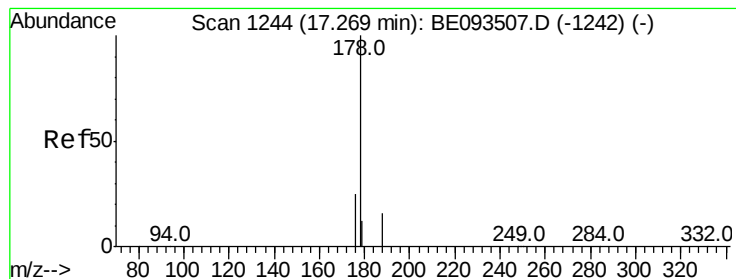
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.368 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

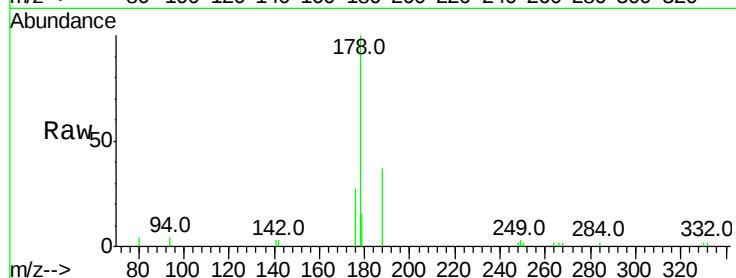
BNA\_E

ClientSampleId :

PB100998BS

Tot Ion:178 Resp: 8828

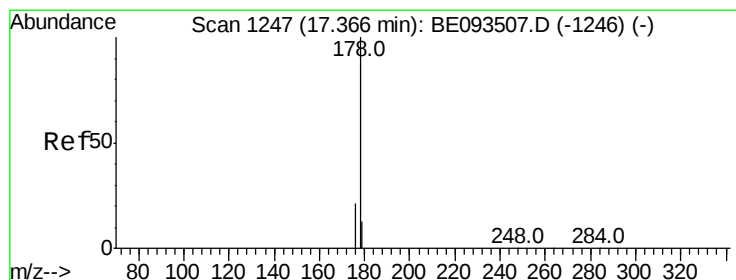
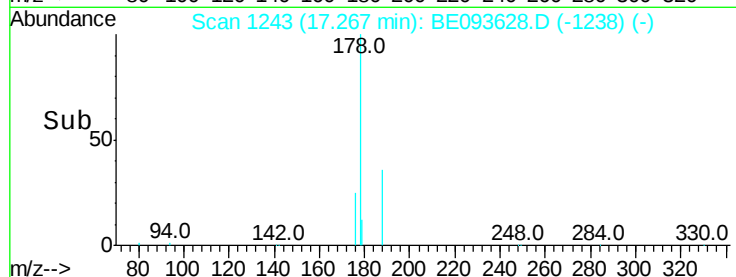
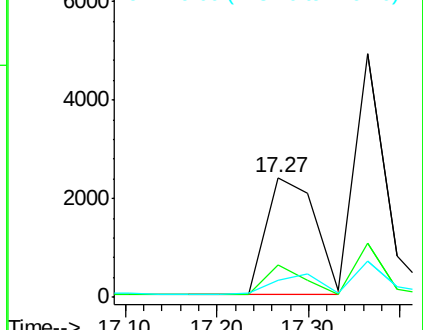
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 0.0   | 15.0  | 22.4# |
| 179 | 0.0   | 12.7  | 19.1# |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.330 ng

RT: 17.36 min Scan# 1246

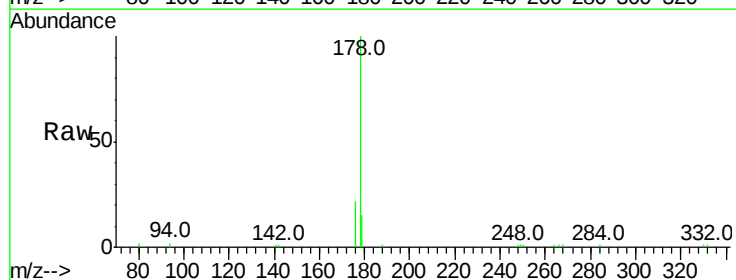
Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Tgt Ion:178 Resp: 10838

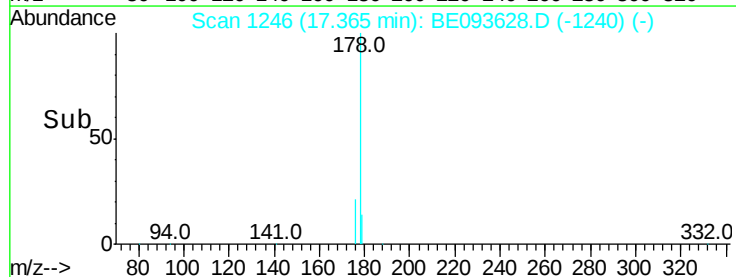
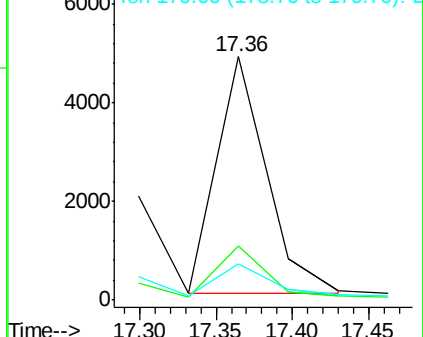
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 37.3  | 14.6  | 22.0# |
| 179 | 14.3  | 12.0  | 18.0  |

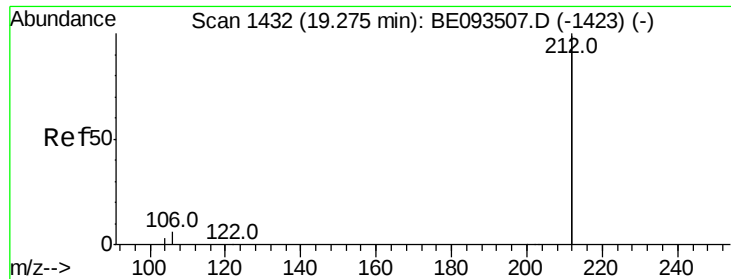


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.437 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

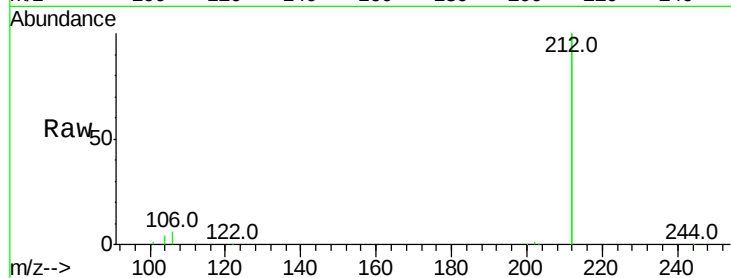
Tot Ion:212 Resp: 54168

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

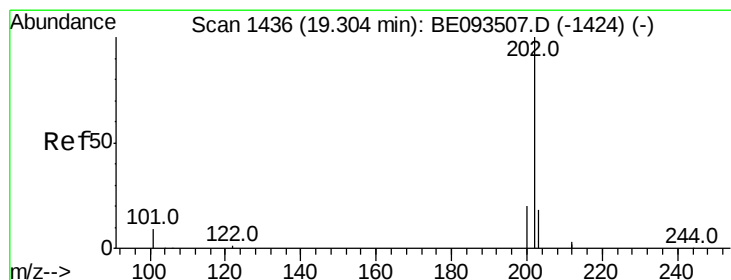
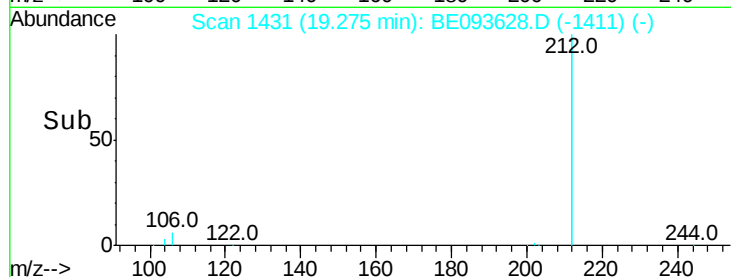
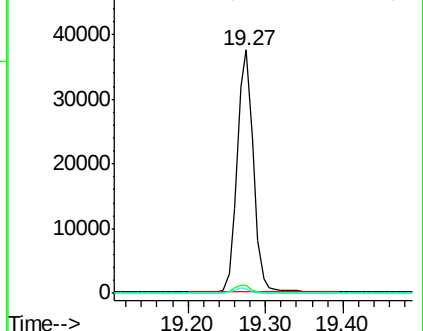
104 2.0 1.6 2.4



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: 0.433 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

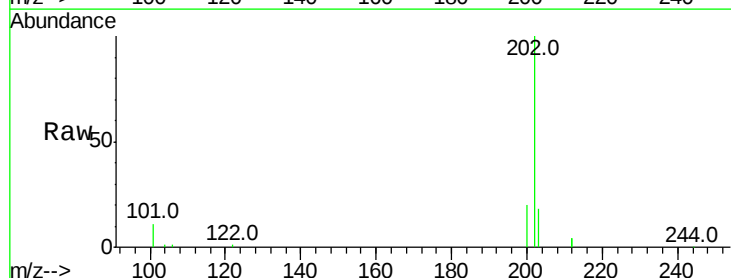
Tgt Ion:202 Resp: 16565

Ion Ratio Lower Upper

202 100

101 12.2 9.6 14.4

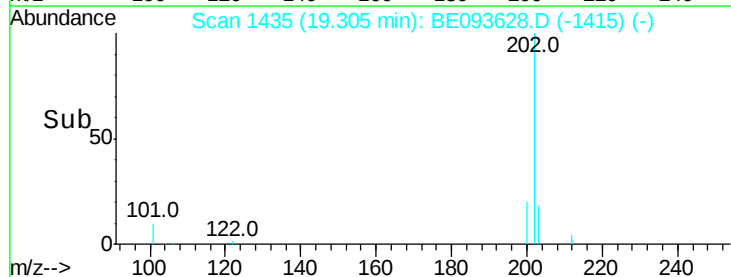
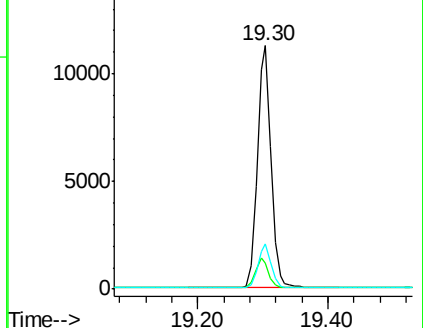
203 17.4 14.4 21.6

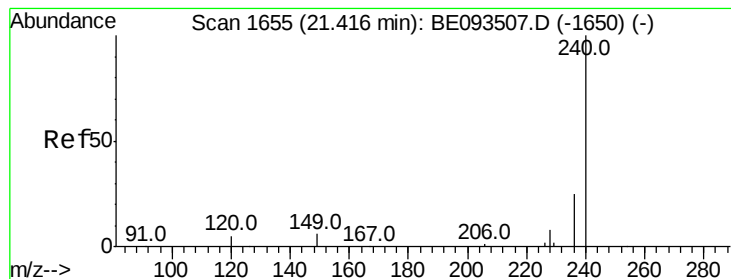


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

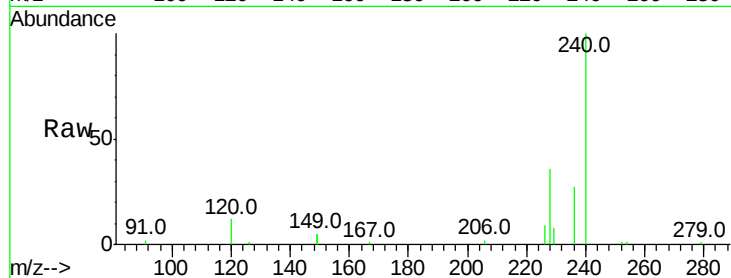
Tot Ion:240 Resp: 15353

Ion Ratio Lower Upper

240 100

120 12.5 4.6 7.0#

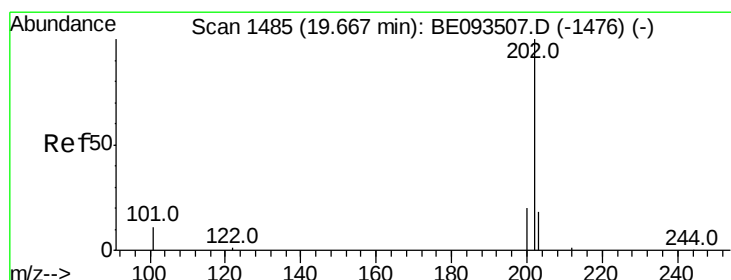
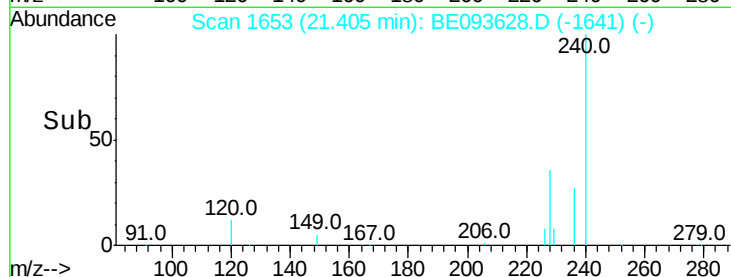
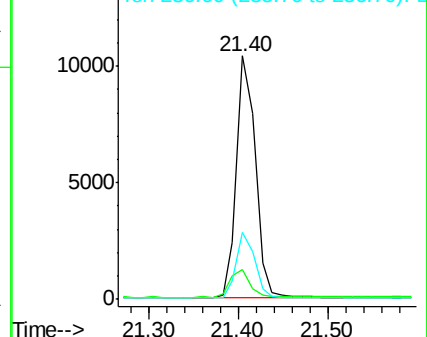
236 27.4 20.8 31.2



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: 0.302 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

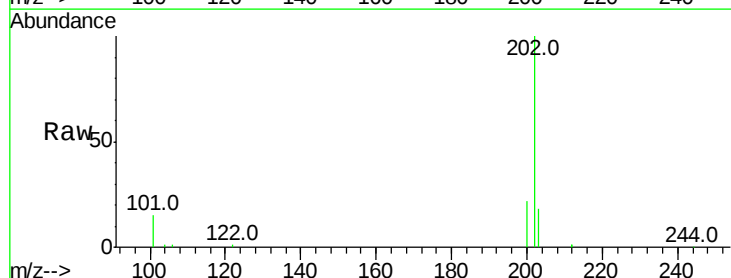
Tgt Ion:202 Resp: 14978

Ion Ratio Lower Upper

202 100

200 21.1 0.0 0.0#

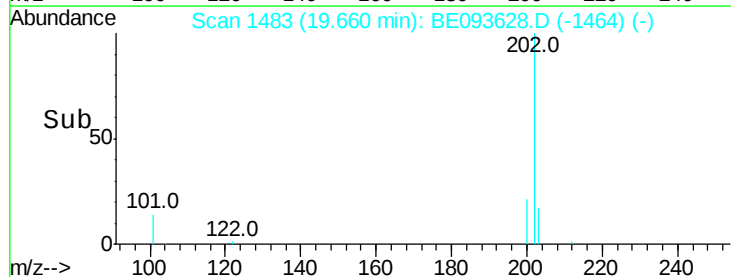
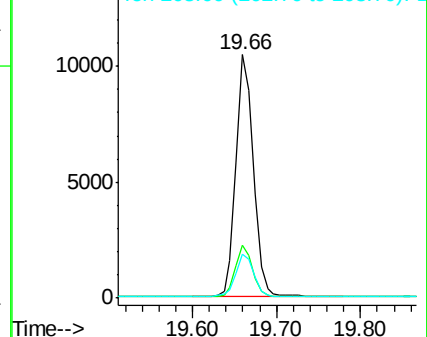
203 18.2 13.7 20.5

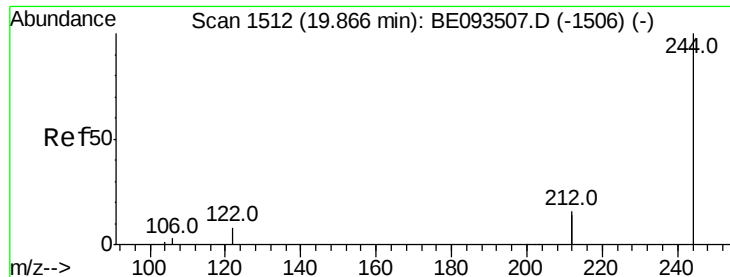


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.86 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

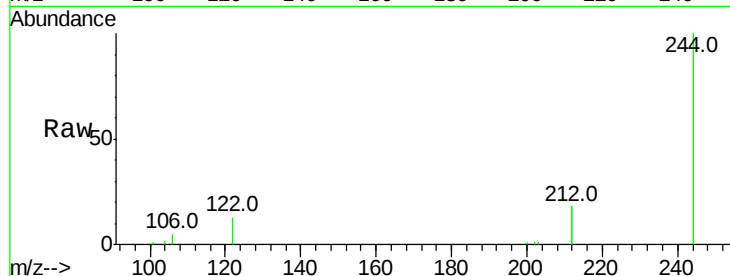
Tot Ion:244 Resp: 11661

Ion Ratio Lower Upper

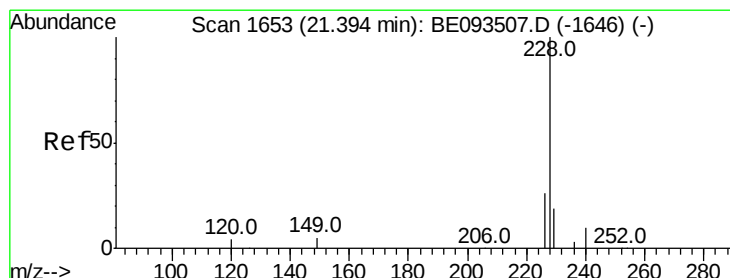
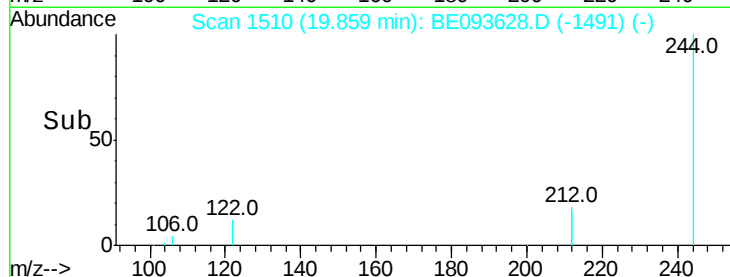
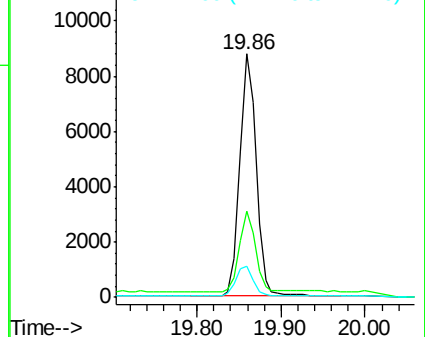
244 100

212 35.3 10.6 16.0#

122 12.9 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: 0.383 ng

RT: 21.39 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

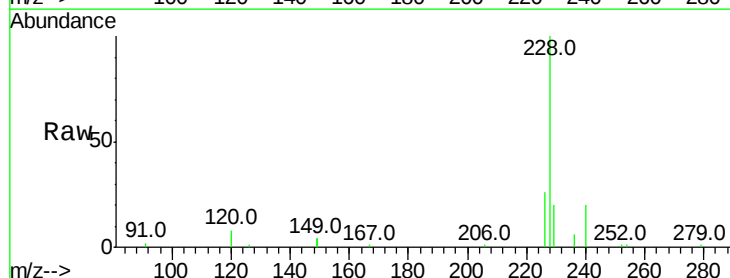
Tgt Ion:228 Resp: 17302

Ion Ratio Lower Upper

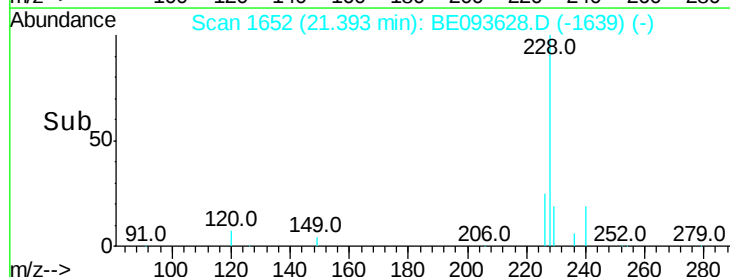
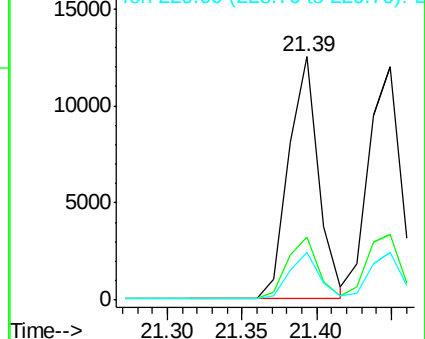
228 100

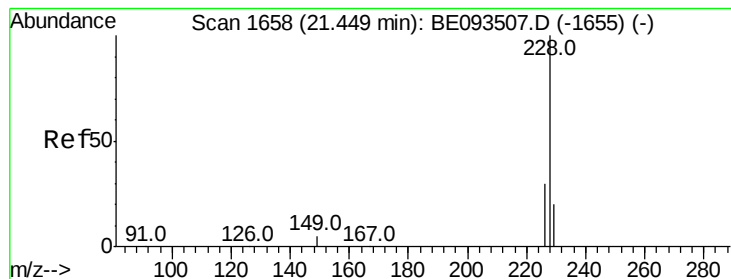
226 25.8 19.7 29.5

229 19.9 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: 0.364 ng

RT: 21.45 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

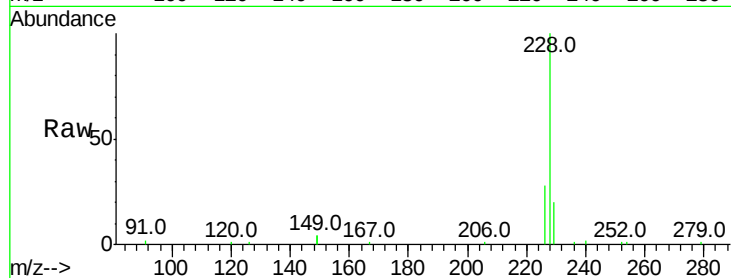
Tot Ion:228 Resp: 18295

Ion Ratio Lower Upper

228 100

226 28.4 21.5 32.3

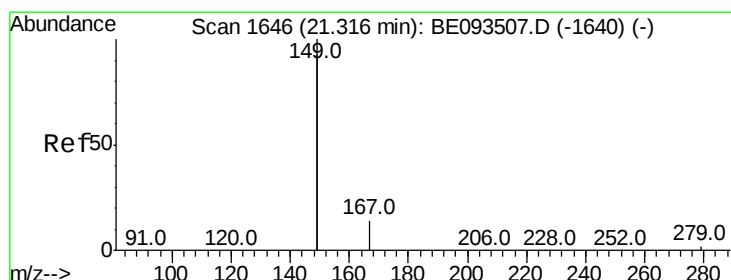
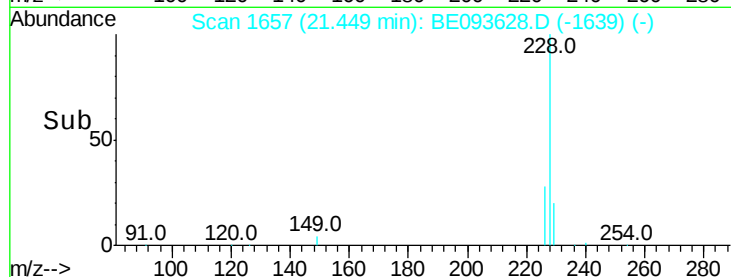
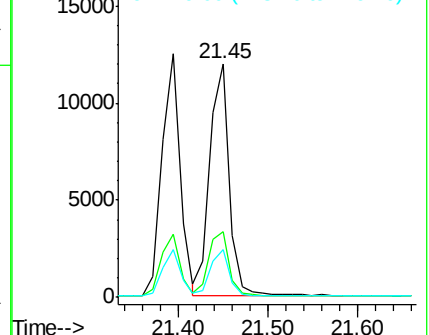
229 20.4 18.6 28.0



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: 0.480 ng

RT: 21.30 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

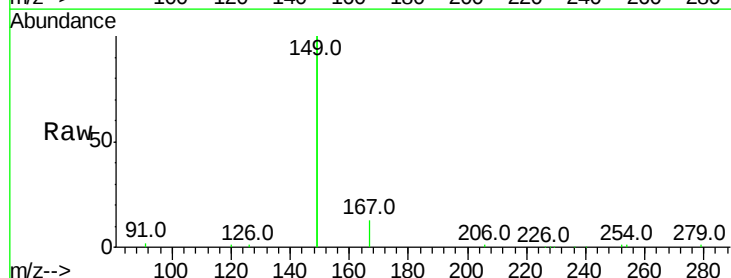
Tgt Ion:149 Resp: 29551

Ion Ratio Lower Upper

149 100

167 6.6 4.8 7.2

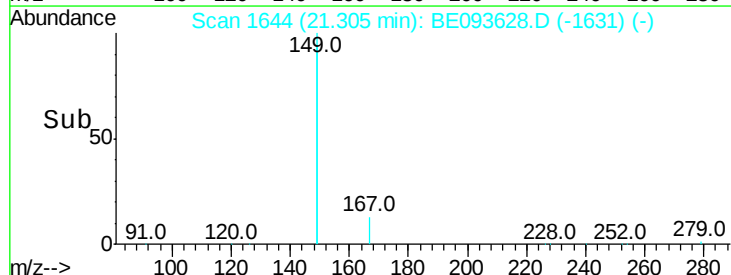
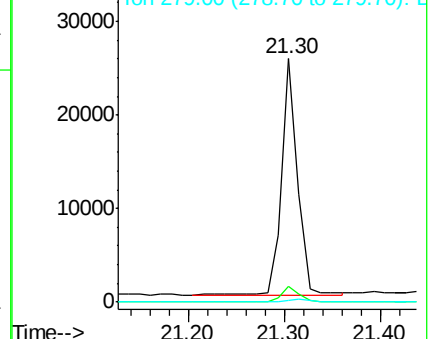
279 0.9 0.8 1.2

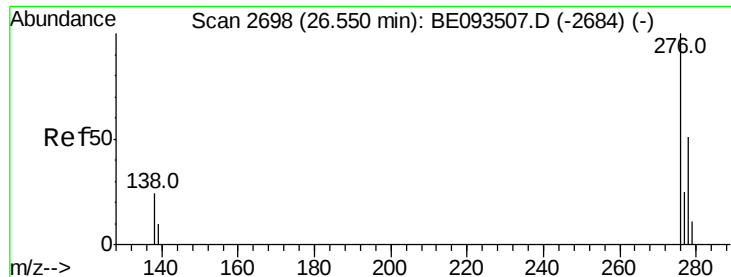


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.334 ng

RT: 26.55 min Scan# 2696

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

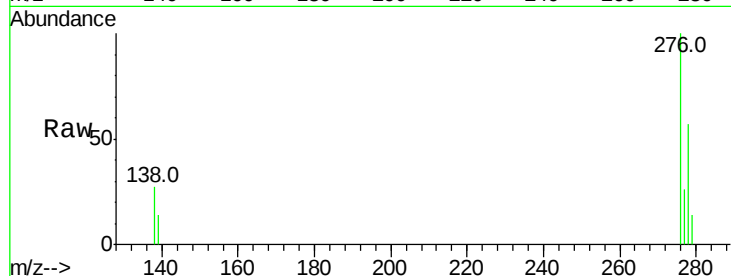
Tot Ion:276 Resp: 15203

Ion Ratio Lower Upper

276 100

138 28.9 27.4 41.2

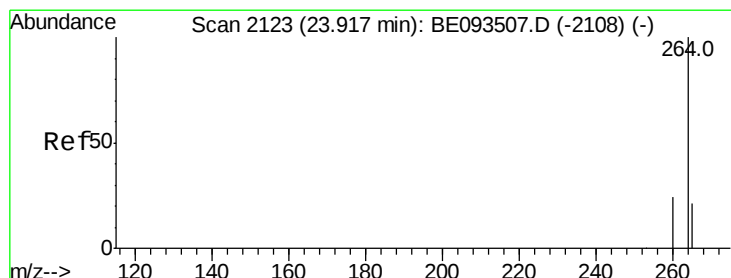
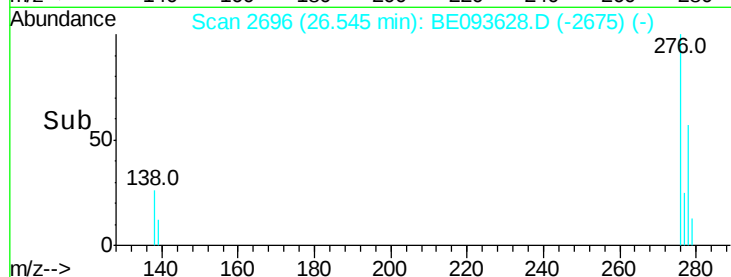
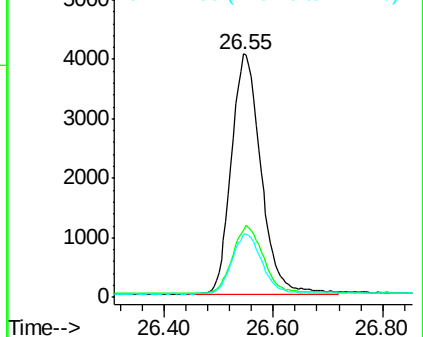
277 24.7 20.1 30.1



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: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

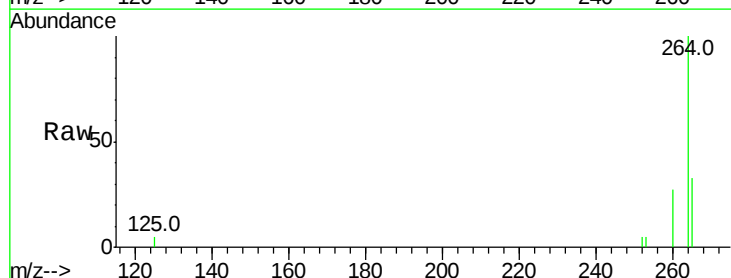
Tgt Ion:264 Resp: 7848

Ion Ratio Lower Upper

264 100

260 27.4 21.0 31.4

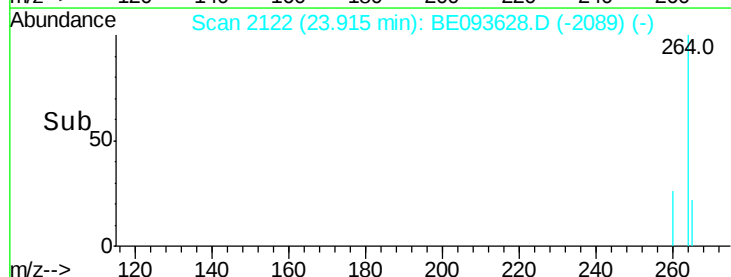
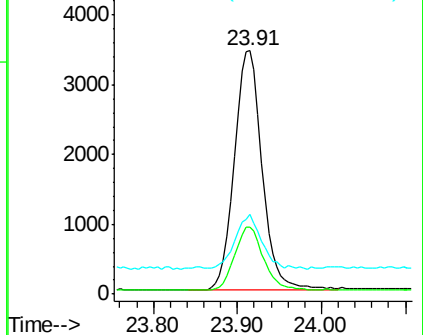
265 32.9 24.6 36.8

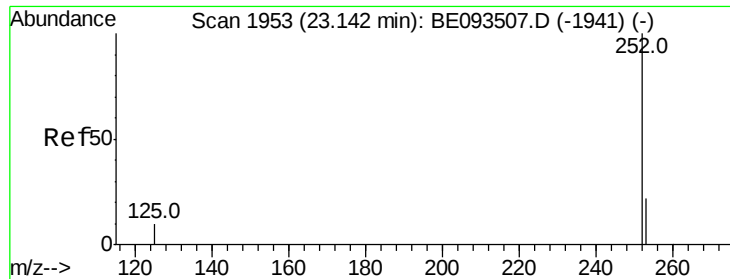


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.615 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

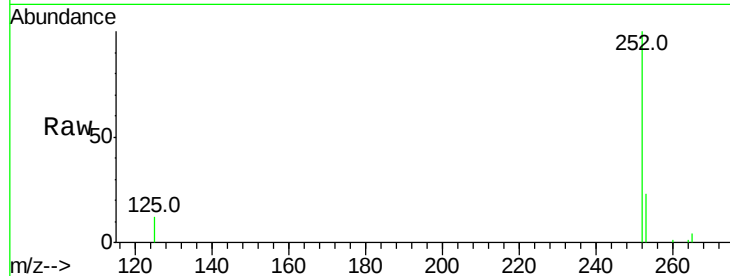
Tot Ion:252 Resp: 17210

Ion Ratio Lower Upper

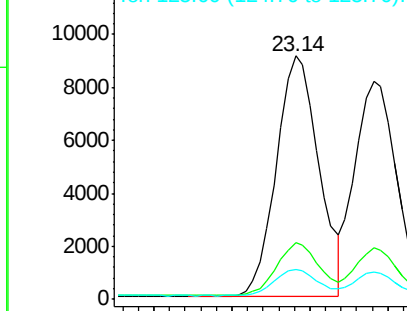
252 100

253 23.2 18.5 27.7

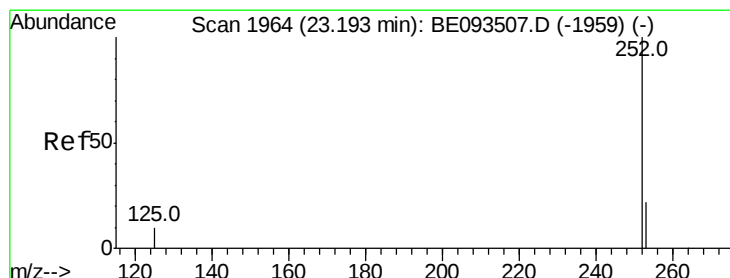
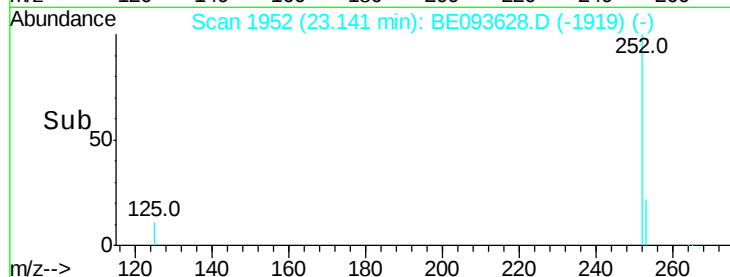
125 12.1 13.4 20.0#



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



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.544 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

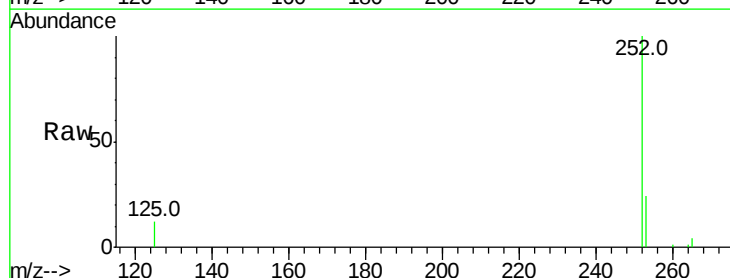
Tgt Ion:252 Resp: 15572

Ion Ratio Lower Upper

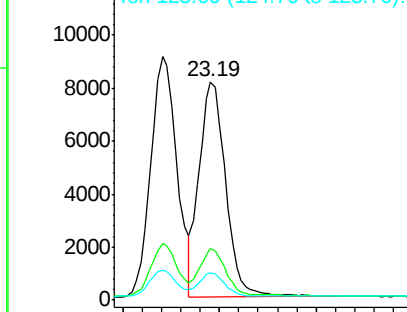
252 100

253 23.7 20.3 30.5

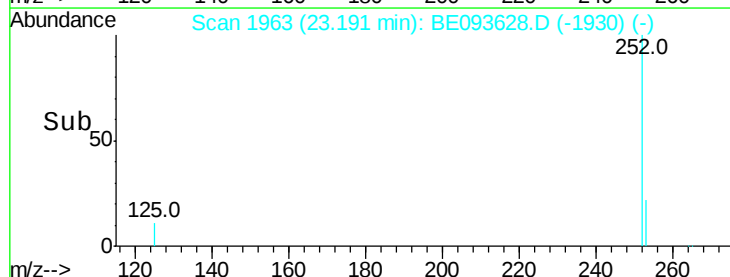
125 12.3 12.2 18.4

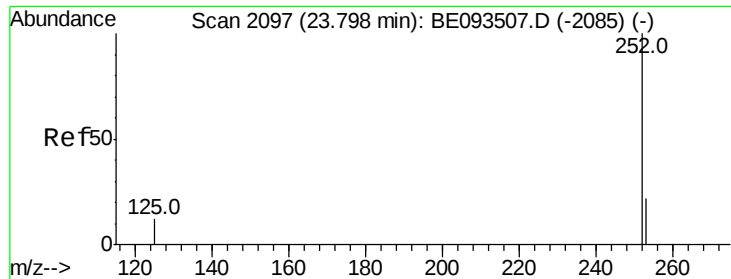


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.448 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

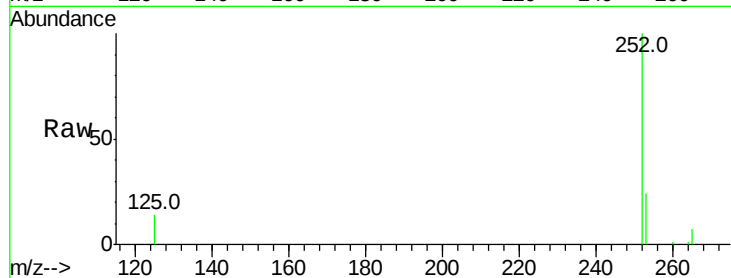
Tot Ion:252 Resp: 11364

Ion Ratio Lower Upper

252 100

253 23.7 19.9 29.9

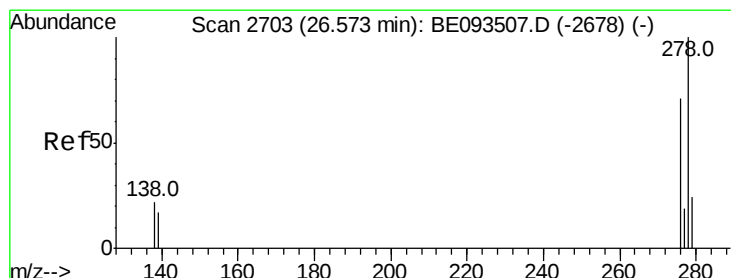
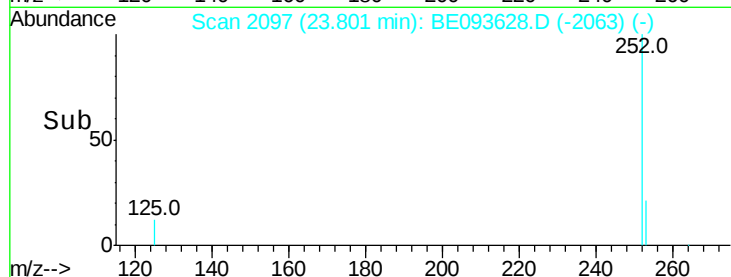
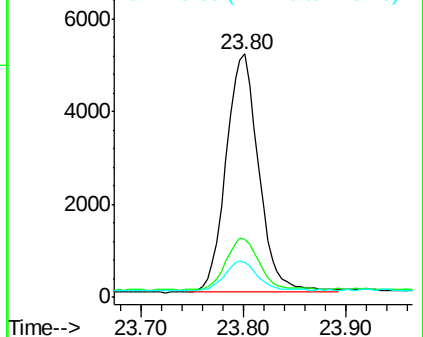
125 14.4 14.6 21.8#



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: 0.591 ng

RT: 26.56 min Scan# 2700

Delta R.T. -0.01 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

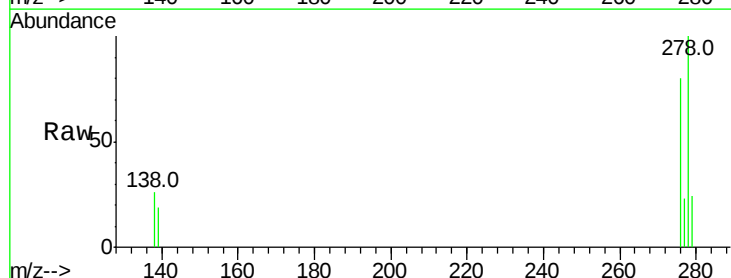
Tgt Ion:278 Resp: 14479

Ion Ratio Lower Upper

278 100

139 19.0 21.4 32.0#

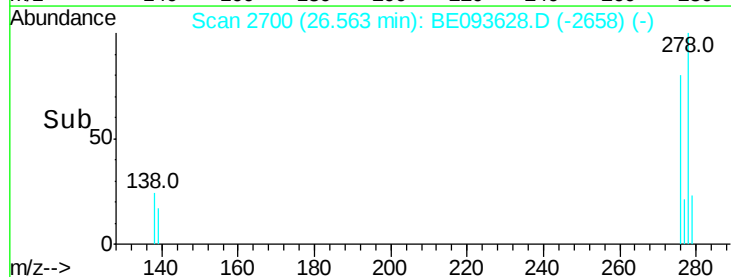
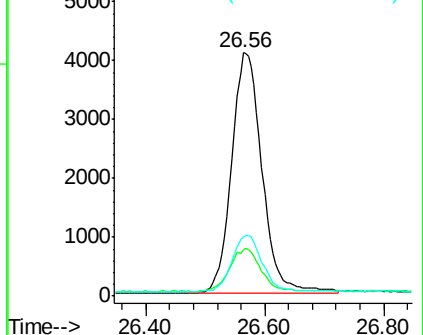
279 24.5 22.2 33.2

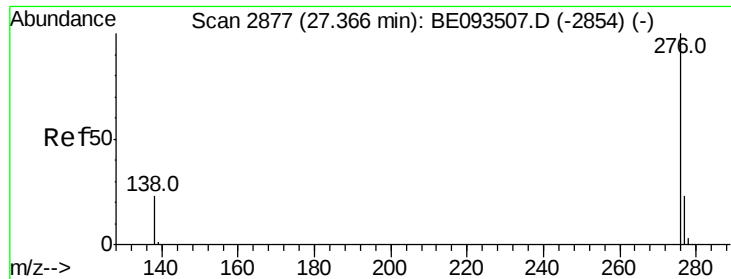


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.502 ng

RT: 27.36 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BE093628.D

Acq: 2 Aug 2017 16:05

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

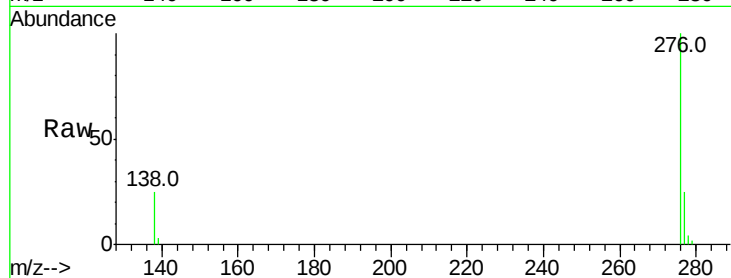
Tot Ion:276 Resp: 12463

Ion Ratio Lower Upper

276 100

277 24.8 21.2 31.8

138 25.5 24.5 36.7



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

