

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE092818\  
 Data File : BE097700.D  
 Acq On : 28 Sep 2018 12:29  
 Operator : SJ/JU  
 Sample : PB113060BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113060BSD

Quant Time: Sep 28 15:33:30 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 28 14:22:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.37  | 152  | 858      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.12 | 136  | 3946     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 13.99 | 164  | 2237     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.75 | 188  | 5899     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.97 | 240  | 7368     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 7217     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.05  | 112 | 788   | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 6.63  | 99  | 1133  | 0.39 | ng | 0.01 |
| 8) Nitrobenzene-d5          | 8.54  | 82  | 1382  | 0.49 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152 | 2409  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330 | 271   | 0.31 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.62 | 172 | 3593  | 0.38 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.80 | 212 | 27376 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.42 | 244 | 5947  | 0.37 | ng | 0.00 |

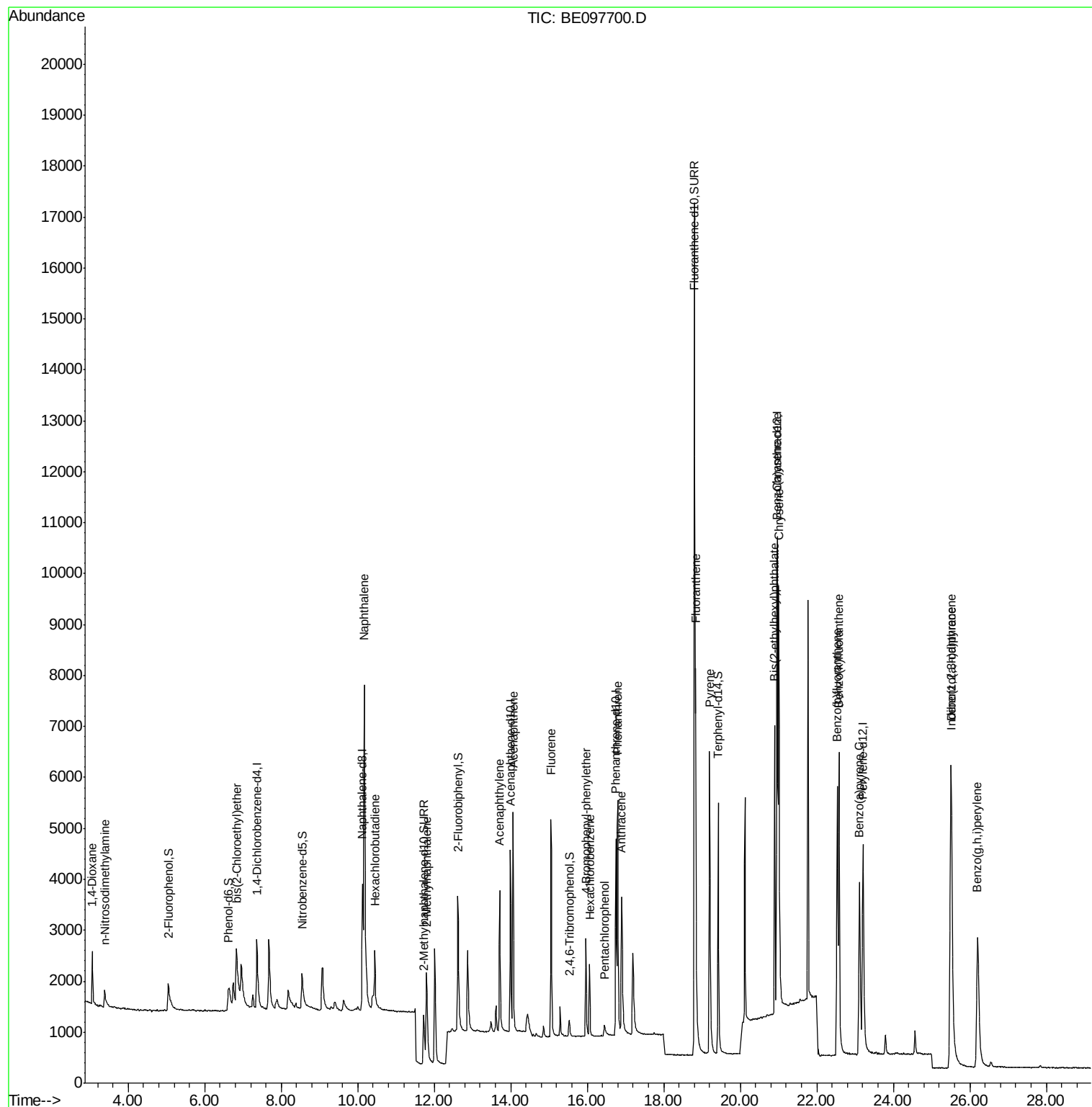
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.06  | 88  | 671   | 0.375  | ng | # 88 |
| 3) n-Nitrosodimethylamine      | 3.38  | 42  | 340   | 0.316  | ng | # 91 |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 1056  | 0.369  | ng | # 69 |
| 9) Naphthalene                 | 10.17 | 128 | 15032 | 0.386  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.44 | 225 | 703   | 0.386  | ng | 98   |
| 12) 2-Methylnaphthalene        | 11.80 | 142 | 2265  | 0.380  | ng | 98   |
| 16) Acenaphthylene             | 13.71 | 152 | 3463  | 0.363  | ng | 100  |
| 17) Acenaphthene               | 14.06 | 154 | 2465  | 0.384  | ng | 97   |
| 18) Fluorene                   | 15.05 | 166 | 3088  | 0.376  | ng | # 80 |
| 20) 4-Bromophenyl-phenylether  | 15.96 | 248 | 1124  | 0.374  | ng | # 83 |
| 21) Hexachlorobenzene          | 16.07 | 284 | 1315  | 0.389  | ng | # 85 |
| 22) Pentachlorophenol          | 16.45 | 266 | 228   | 0.293  | ng | 82   |
| 23) Phenanthrene               | 16.80 | 178 | 5932  | 0.389  | ng | 99   |
| 24) Anthracene                 | 16.89 | 178 | 4544  | 0.362  | ng | 96   |
| 26) Fluoranthene               | 18.83 | 202 | 7165  | 0.378  | ng | 98   |
| 28) Pyrene                     | 19.20 | 202 | 7355  | 0.384  | ng | 100  |
| 30) Benzo(a)anthracene         | 20.95 | 228 | 6371  | 0.350  | ng | 97   |
| 31) Chrysene                   | 21.00 | 228 | 9069  | 0.398  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.89 | 149 | 7469  | 0.332  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 10015 | 0.416  | ng | # 93 |
| 35) Benzo(b)fluoranthene       | 22.53 | 252 | 7166  | 0.344  | ng | # 90 |
| 36) Benzo(k)fluoranthene       | 22.58 | 252 | 9328  | 0.388  | ng | 94   |
| 37) Benzo(a)pyrene             | 23.11 | 252 | 7380  | 0.369  | ng | # 93 |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278 | 8122  | 0.374  | ng | 95   |
| 39) Benzo(g,h,i)perylene       | 26.20 | 276 | 7867  | 0.357  | ng | # 89 |

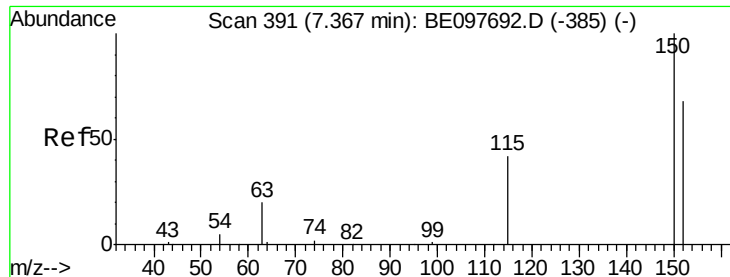
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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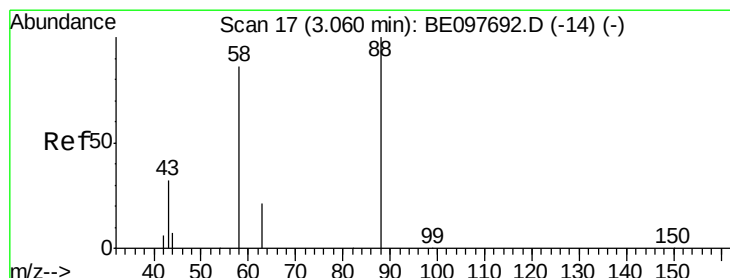
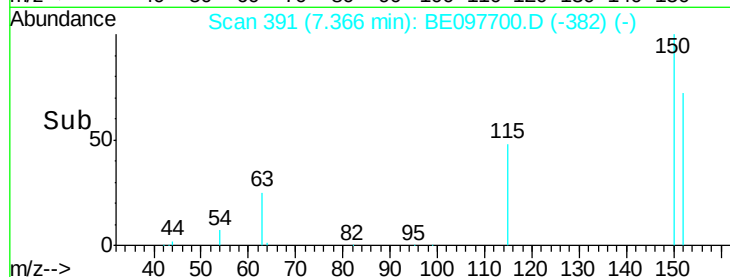
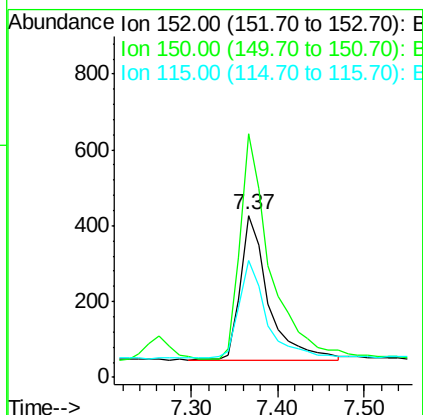
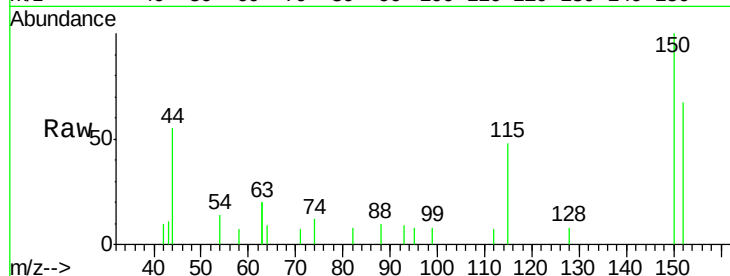


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.37 min Scan# 391  
Delta R.T. -0.00 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
PB113060BSD

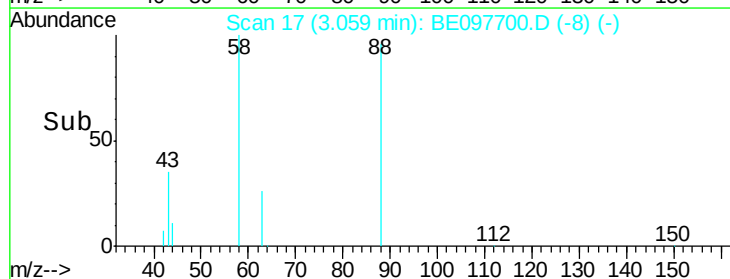
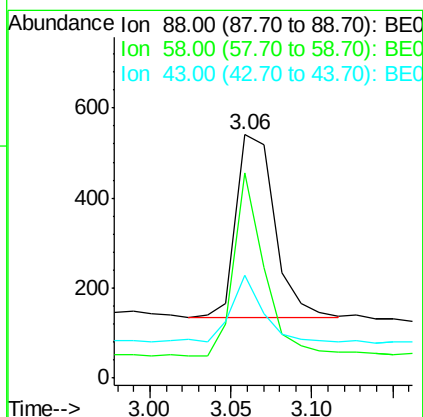
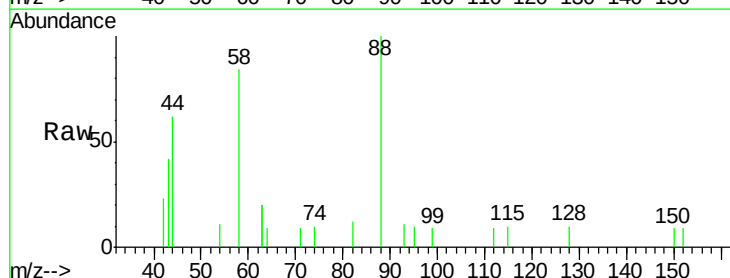
Tgt Ion:152 Resp: 858  
Ion Ratio Lower Upper  
152 100  
150 150.0 117.2 175.8  
115 72.2 57.0 85.6

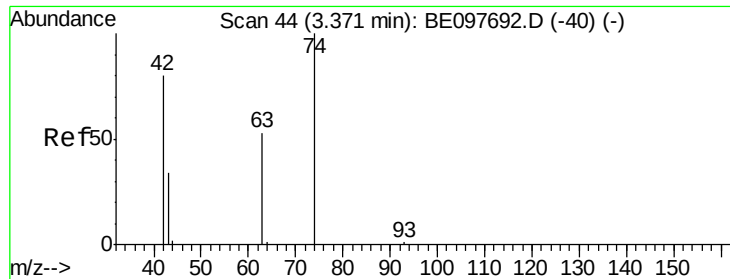


#2

1,4-Dioxane  
Concen: 0.375 ng  
RT: 3.06 min Scan# 17  
Delta R.T. -0.00 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

Tgt Ion: 88 Resp: 671  
Ion Ratio Lower Upper  
88 100  
58 79.1 63.2 94.8  
43 30.1 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.316 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

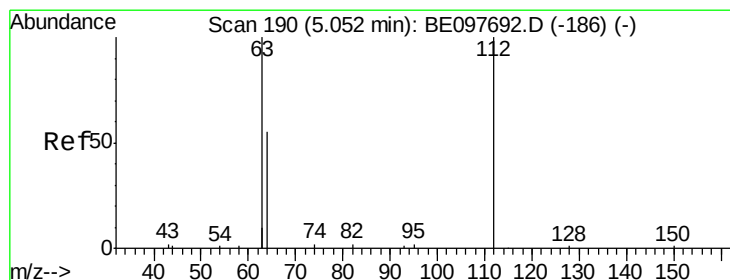
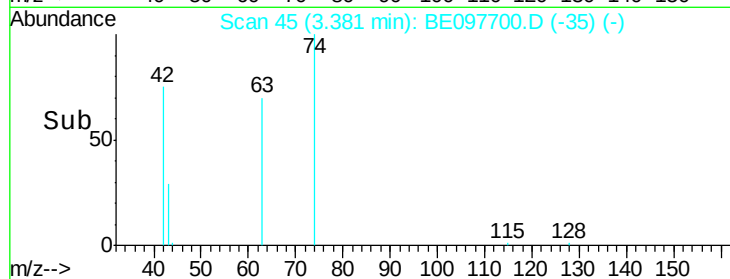
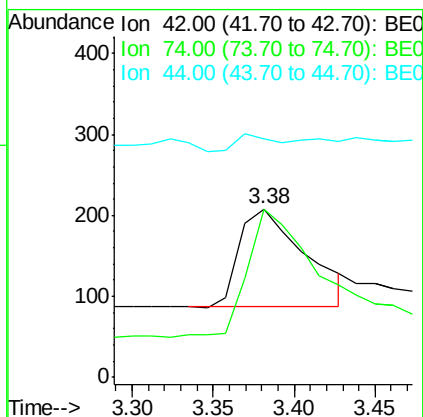
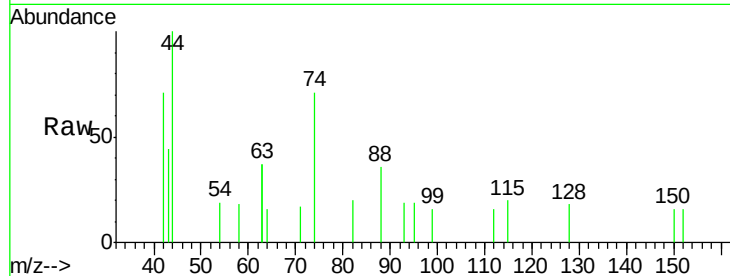
Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 340   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 129.4 | 96.0  | 144.0 |
| 44       | 11.2  | 12.0  | 18.0# |



#4

2-Fluorophenol

Concen: 0.372 ng

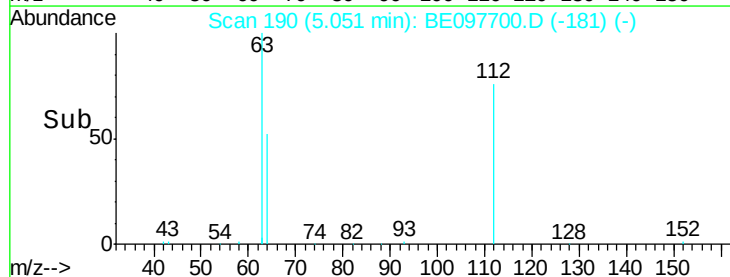
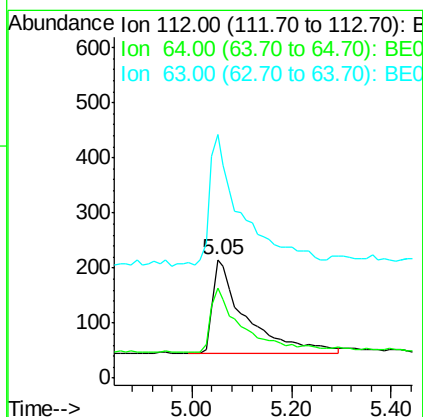
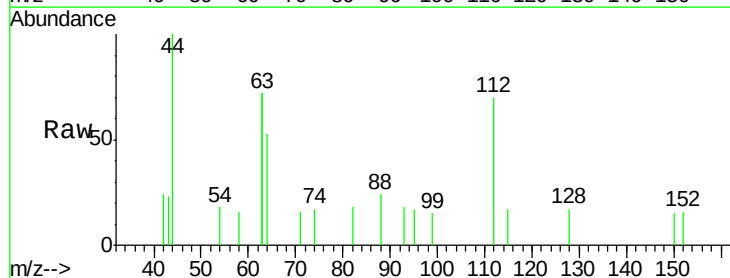
RT: 5.05 min Scan# 190

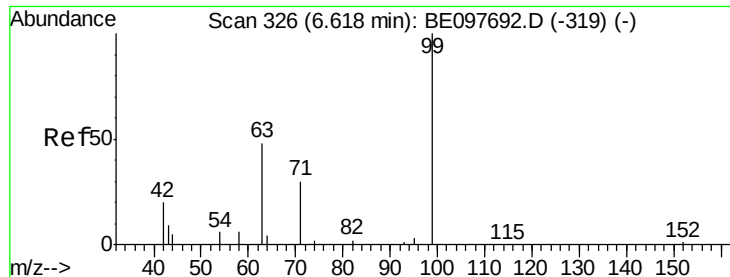
Delta R.T. -0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 788   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 66.0  | 60.1  | 90.1  |
| 63       | 129.8 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.388 ng

RT: 6.63 min Scan# 327

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

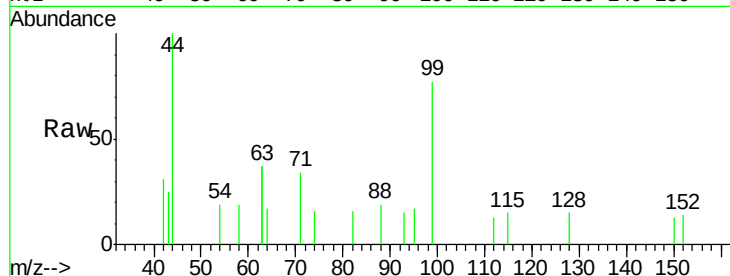
Tgt Ion: 99 Resp: 1133

Ion Ratio Lower Upper

99 100

42 16.5 20.2 30.2#

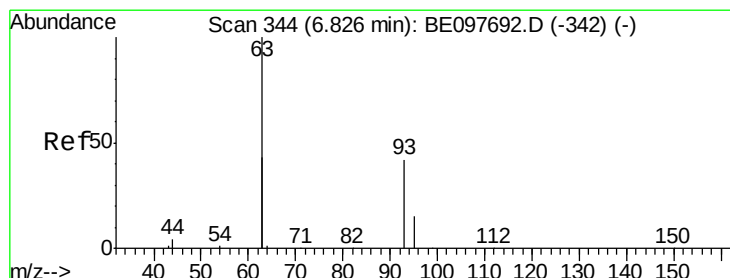
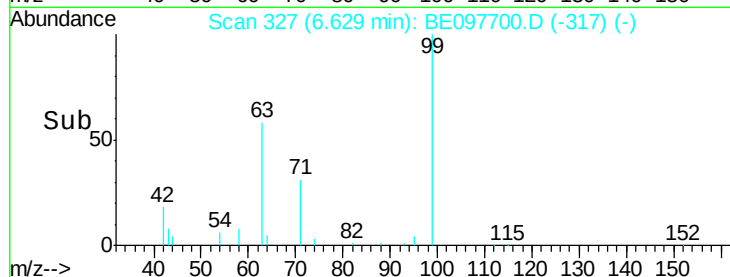
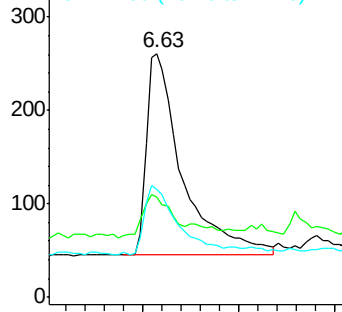
71 33.1 28.4 42.6



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: 0.369 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

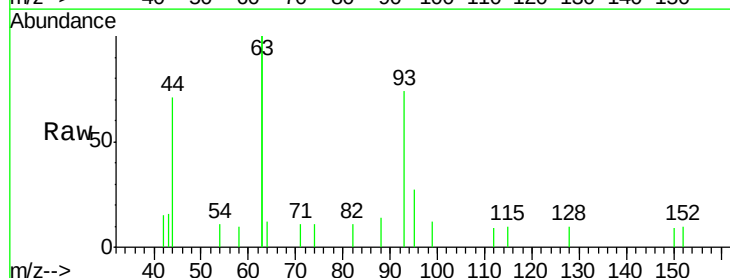
Tgt Ion: 93 Resp: 1056

Ion Ratio Lower Upper

93 100

63 270.9 275.3 412.9#

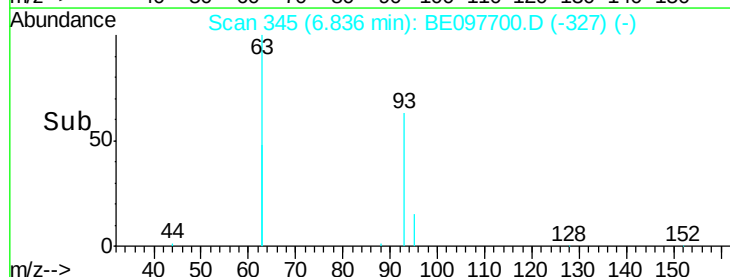
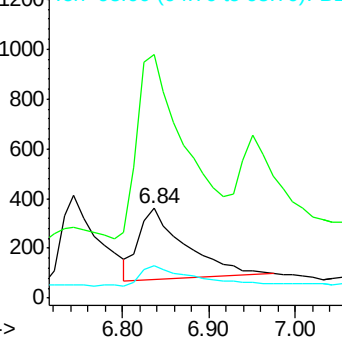
95 33.1 25.2 37.8

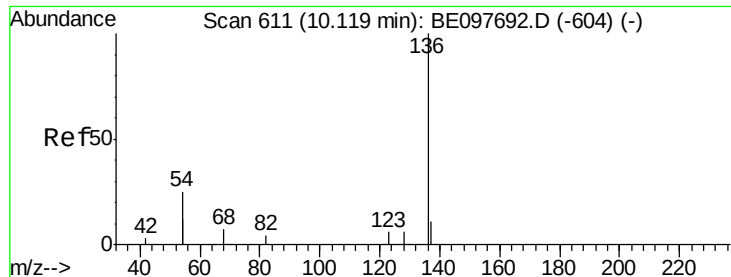


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.12 min Scan# 611

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

Tgt Ion: 136 Resp: 3946

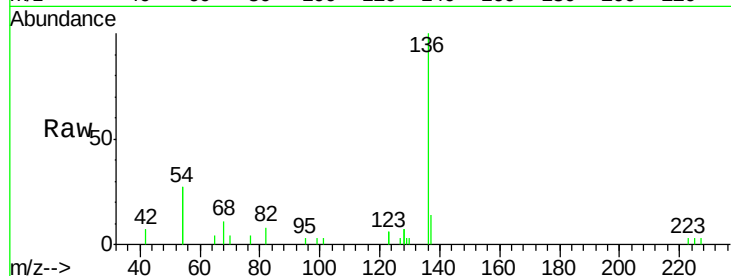
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 54.0 29.1 43.7#

68 10.9 6.2 9.2#

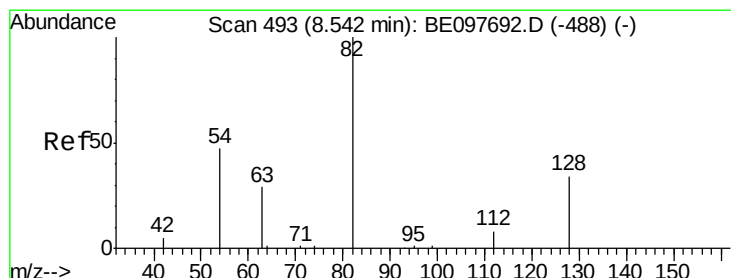
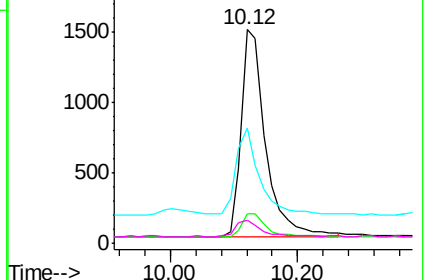
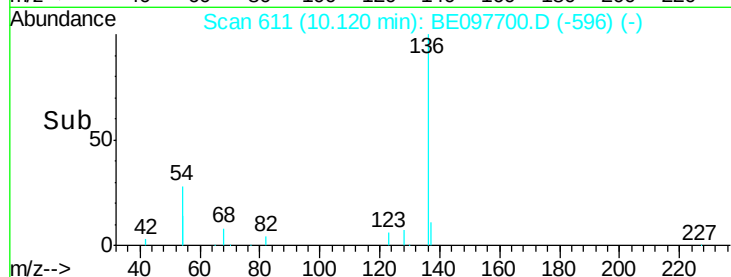


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.494 ng

RT: 8.54 min Scan# 493

Delta R.T. -0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

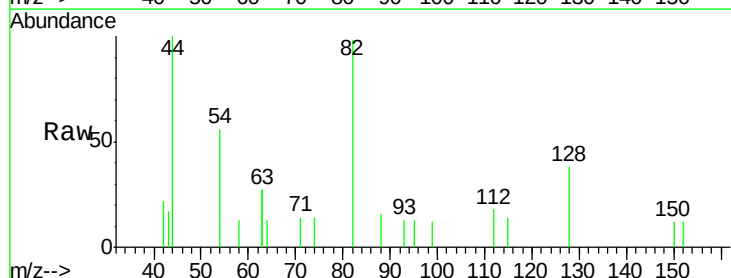
Tgt Ion: 82 Resp: 1382

Ion Ratio Lower Upper

82 100

128 38.8 24.0 36.0#

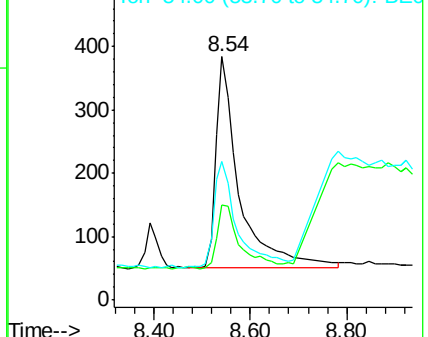
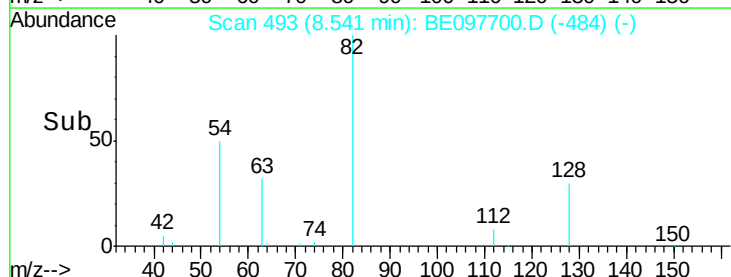
54 57.0 40.0 60.0

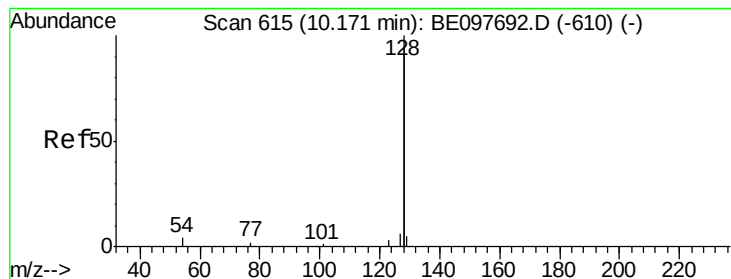


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.386 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097700.D

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BNA\_E

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PB113060BSD

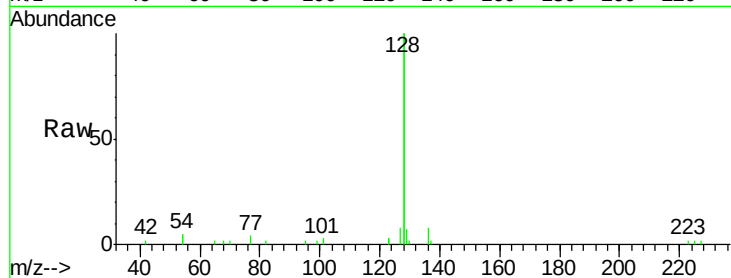
Tgt Ion:128 Resp: 15032

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

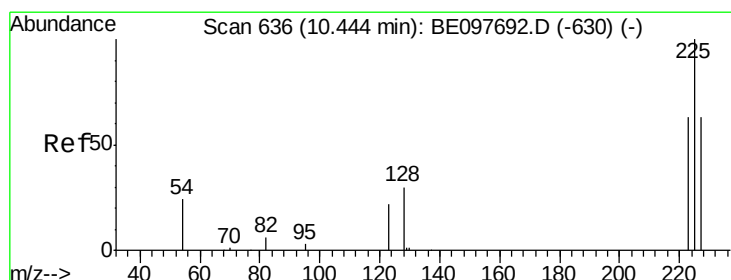
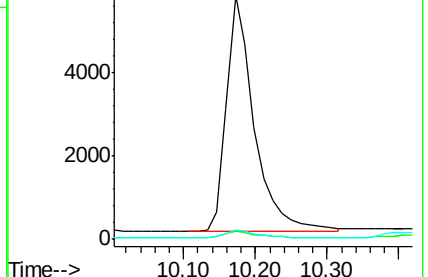
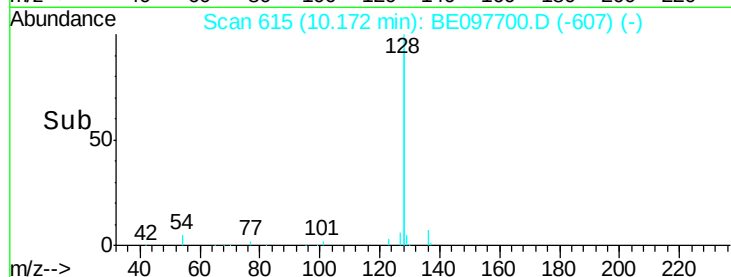
127 3.9 2.8 4.2



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: 0.386 ng

RT: 10.44 min Scan# 636

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

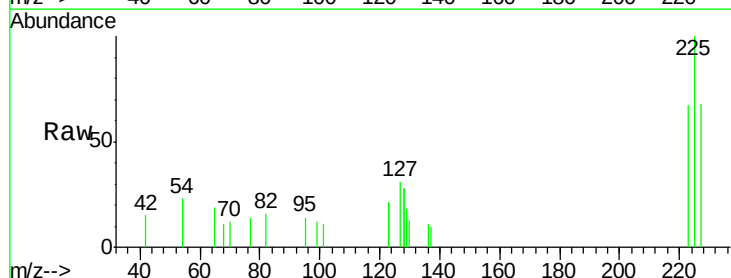
Tgt Ion:225 Resp: 703

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

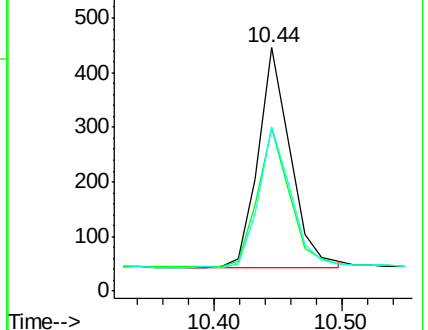
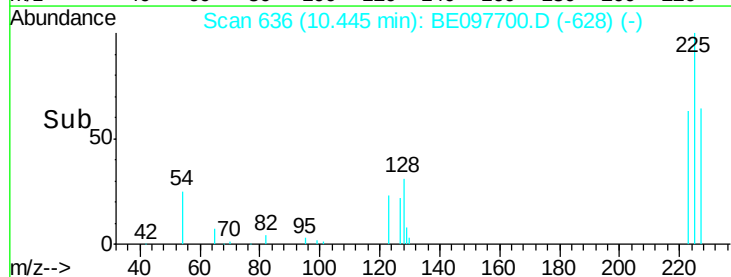
227 64.3 51.4 77.2

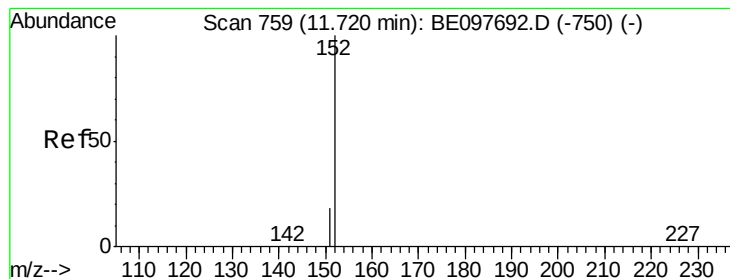


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

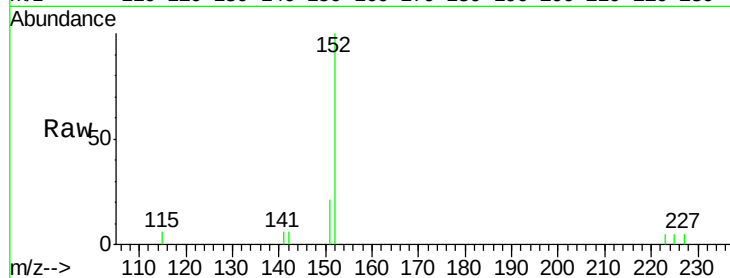
PB113060BSD

Tgt Ion:152 Resp: 2409

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

800

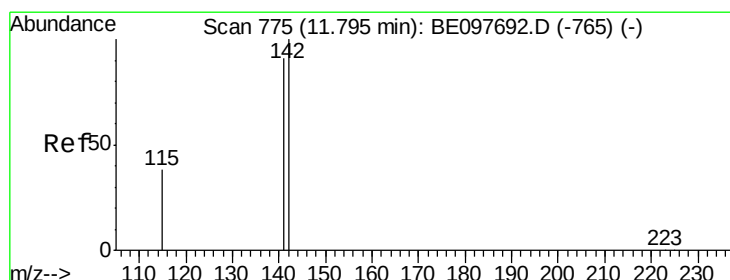
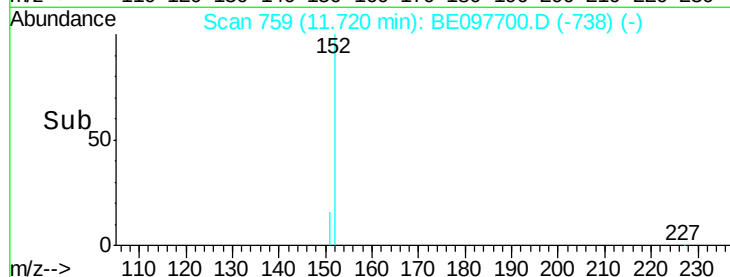
600

400

200

0

Time--> 11.60 11.80



#12

2-Methylnaphthalene

Concen: 0.380 ng

RT: 11.80 min Scan# 776

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

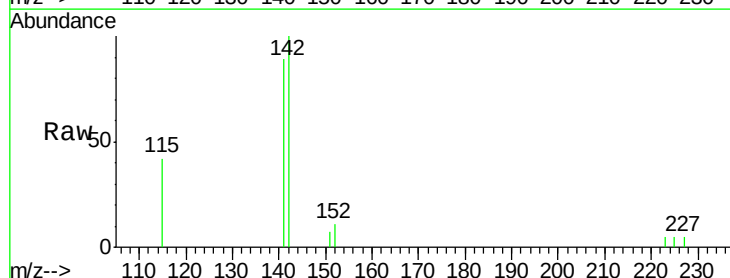
Tgt Ion:142 Resp: 2265

Ion Ratio Lower Upper

142 100

141 89.2 70.4 105.6

115 42.0 31.7 47.5



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

11.80

800

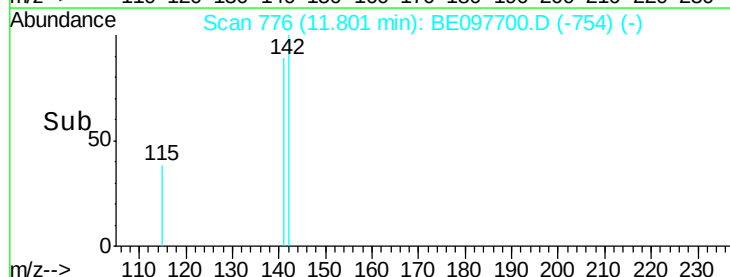
600

400

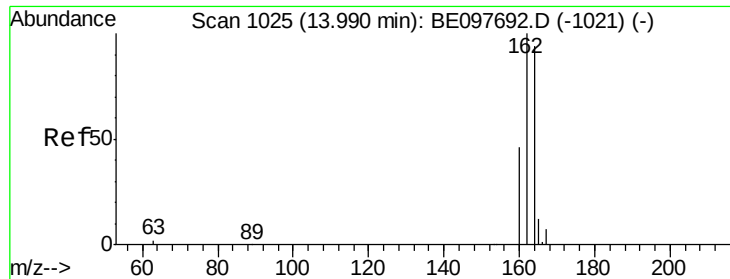
200

0

Time--> 11.70 11.80 11.90



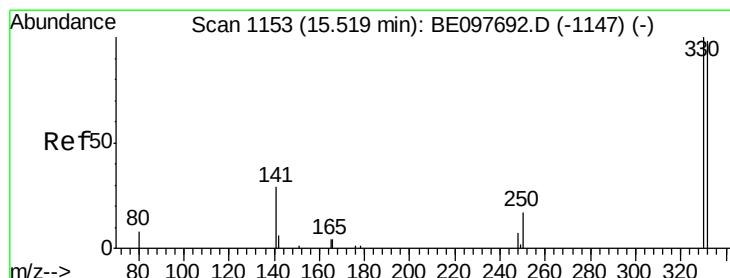
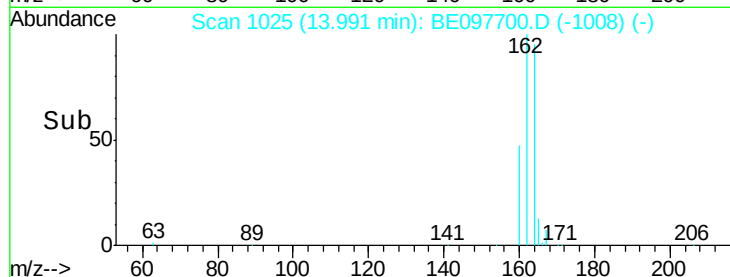
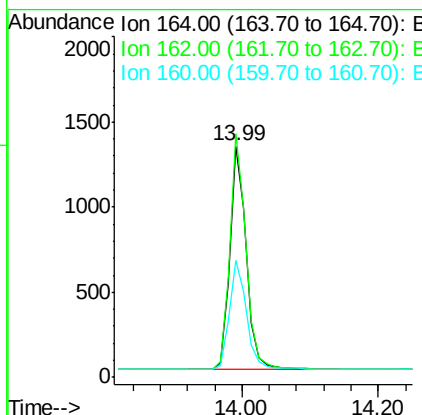
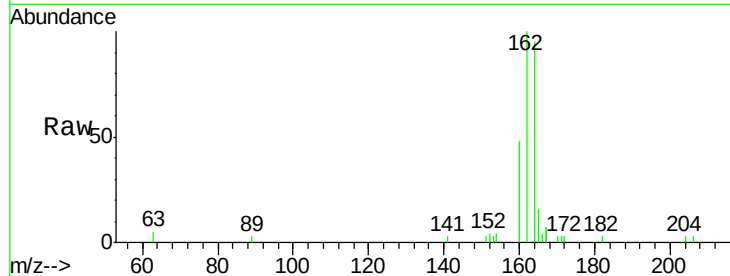




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.99 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

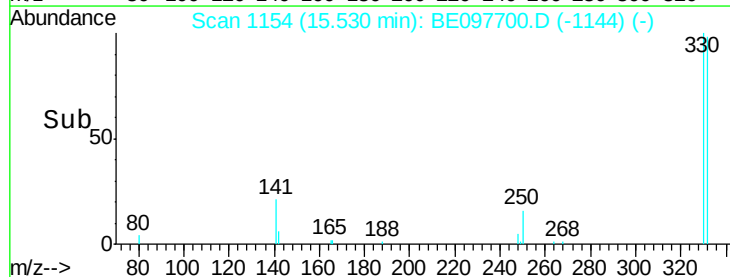
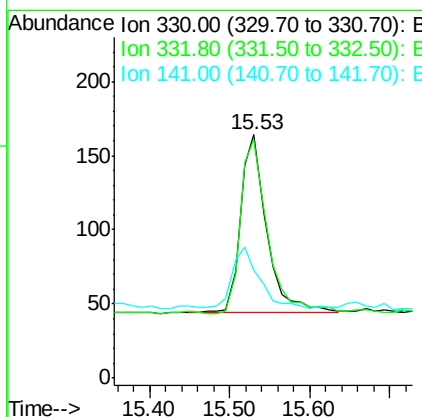
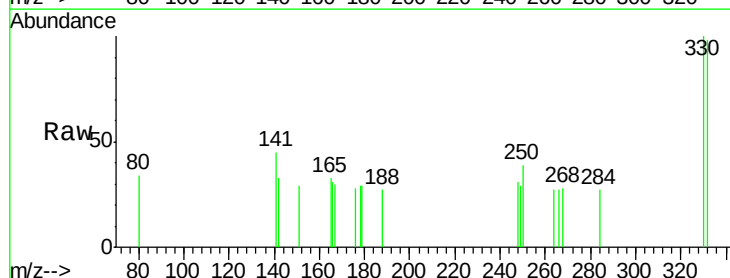
Instrument :  
BNA\_E  
ClientSampleId :  
PB113060BSD

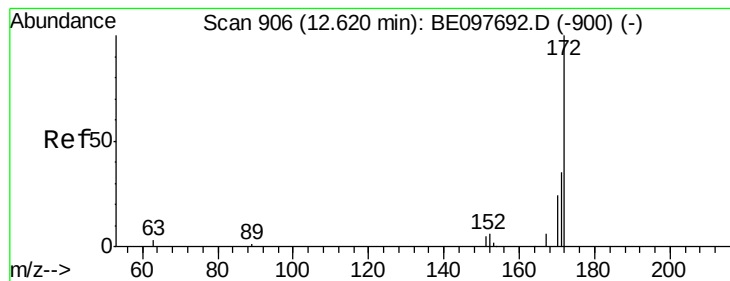
Tgt Ion:164 Resp: 2237  
Ion Ratio Lower Upper  
164 100  
162 105.3 83.1 124.7  
160 50.8 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.310 ng  
RT: 15.53 min Scan# 1154  
Delta R.T. 0.01 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

Tgt Ion:330 Resp: 271  
Ion Ratio Lower Upper  
330 100  
332 104.4 152.7 229.1#  
141 35.8 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.382 ng

RT: 12.62 min Scan# 906

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

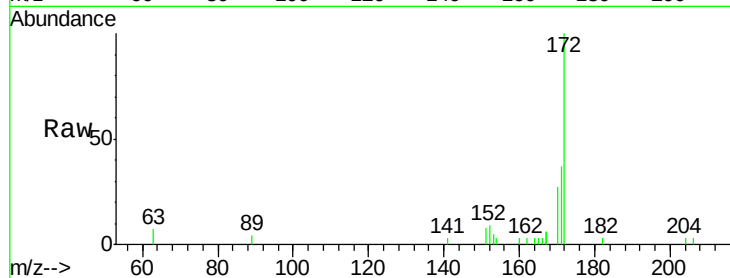
Tgt Ion:172 Resp: 3593

Ion Ratio Lower Upper

172 100

171 37.0 29.9 44.9

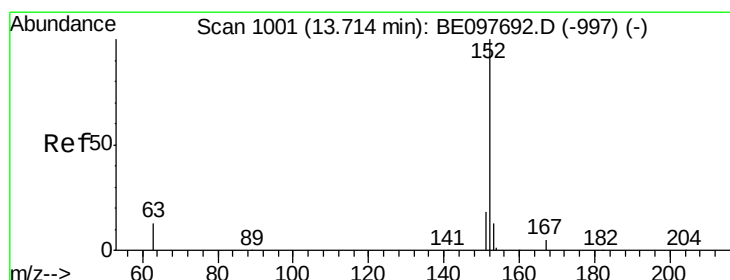
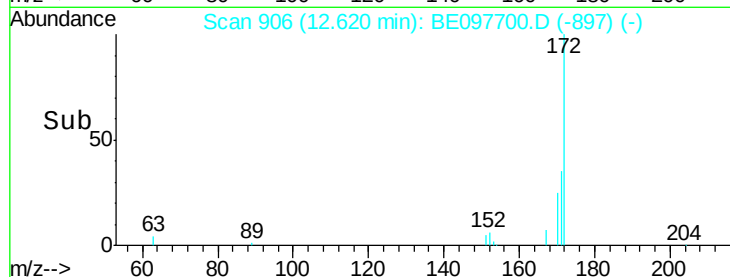
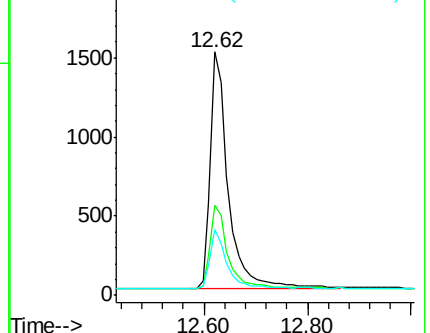
170 26.9 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.363 ng

RT: 13.71 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

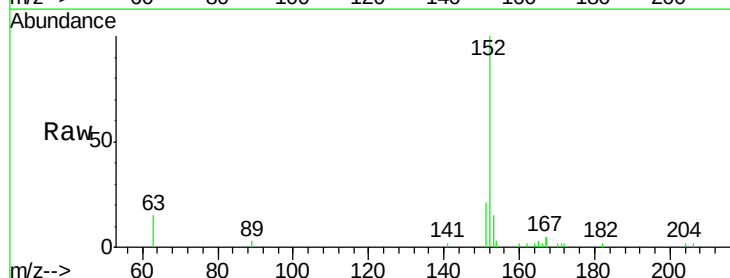
Tgt Ion:152 Resp: 3463

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

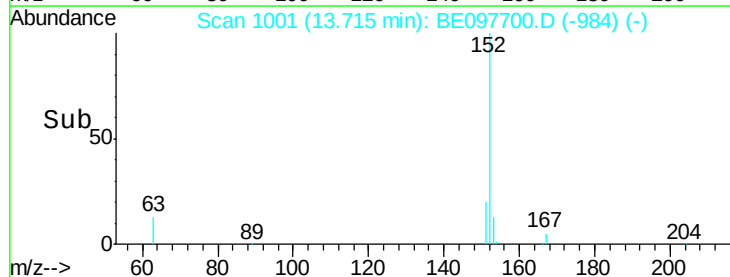
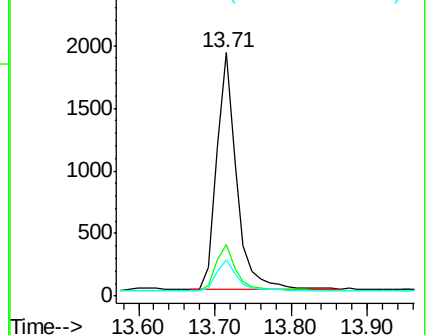
153 13.0 10.5 15.7

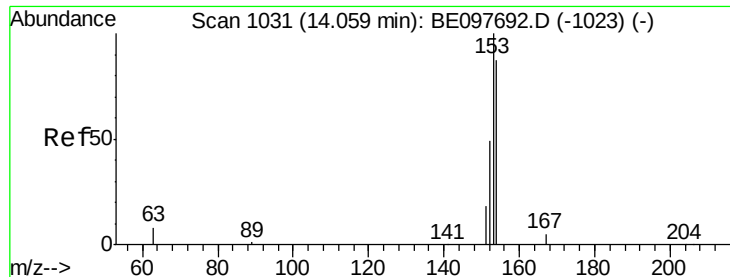


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

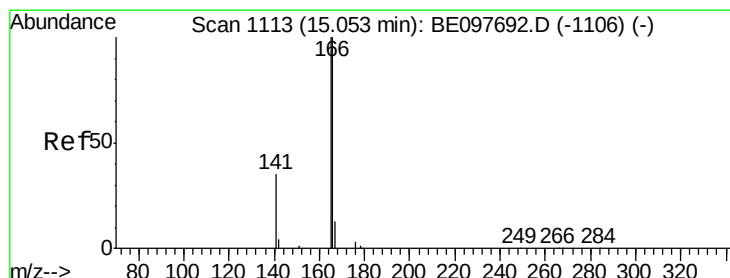
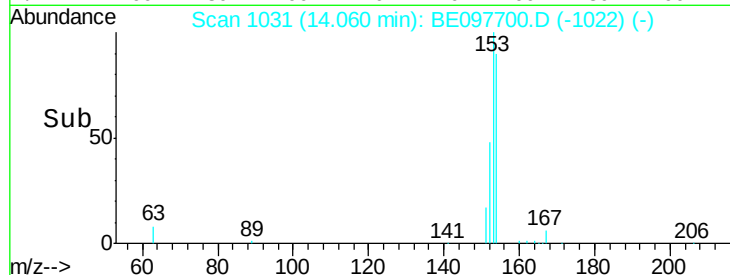
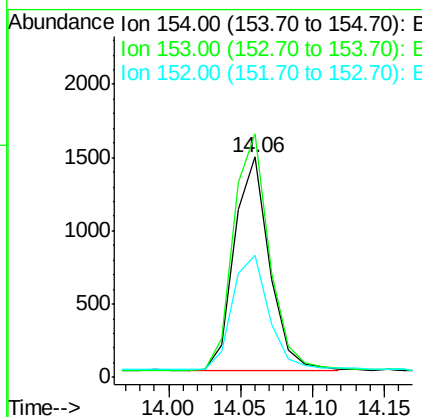
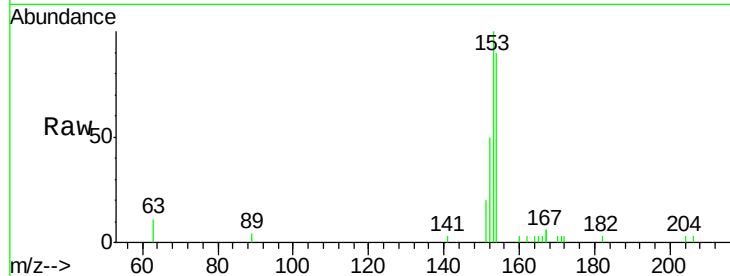




#17  
Acenaphthene  
Concen: 0.384 ng  
RT: 14.06 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

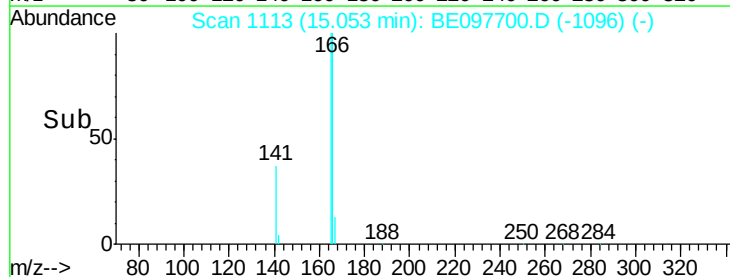
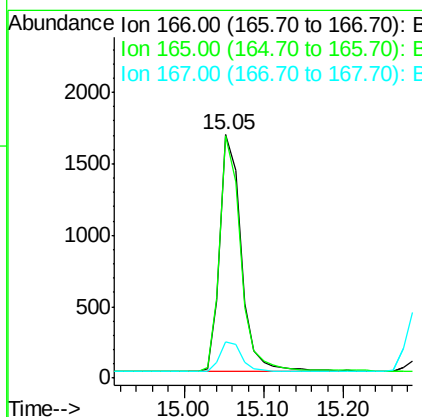
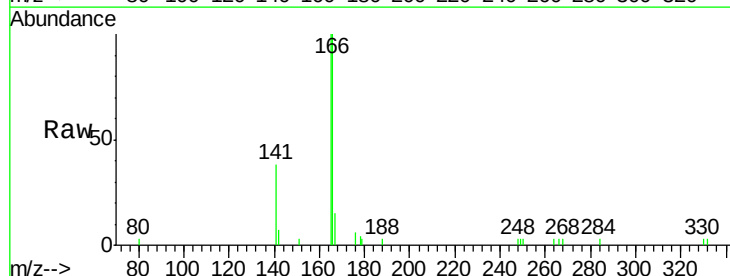
Instrument :  
BNA\_E  
ClientSampleId :  
PB113060BSD

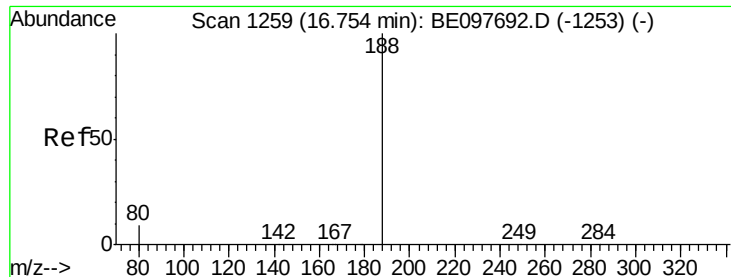
Tgt Ion:154 Resp: 2465  
Ion Ratio Lower Upper  
154 100  
153 113.5 89.2 133.8  
152 56.6 42.0 63.0



#18  
Fluorene  
Concen: 0.376 ng  
RT: 15.05 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: BE097700.D  
Acq: 28 Sep 2018 12:29

Tgt Ion:166 Resp: 3088  
Ion Ratio Lower Upper  
166 100  
165 98.4 77.8 116.6  
167 13.5 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

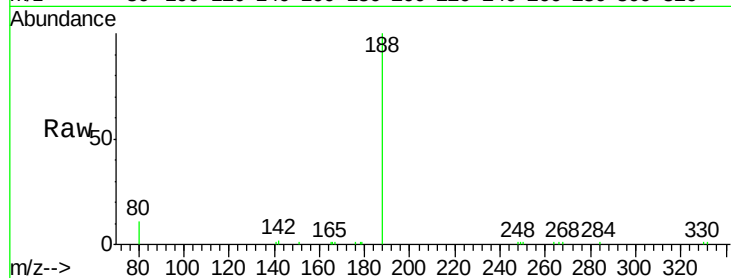
Tgt Ion:188 Resp: 5899

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

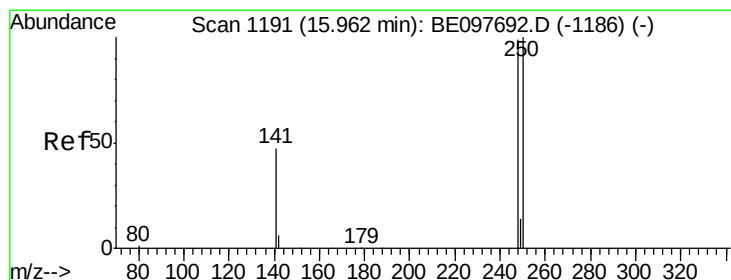
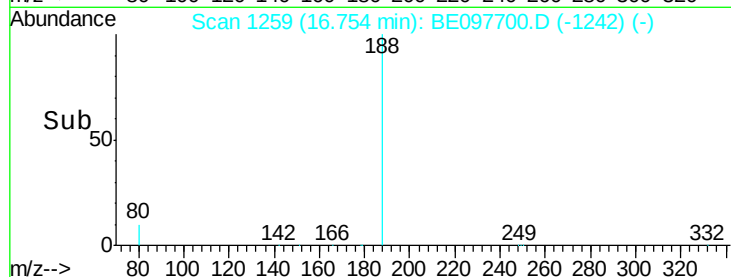
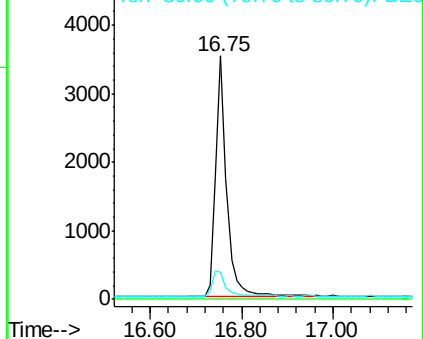
80 11.1 3.6 5.4#



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: 0.374 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

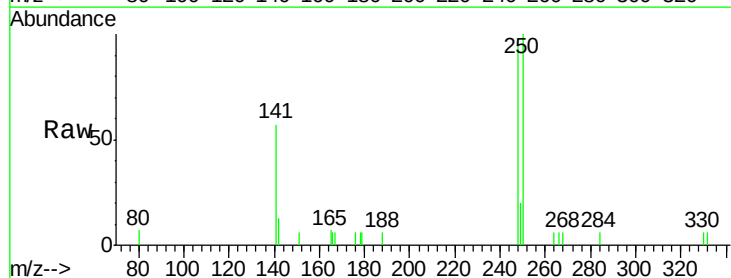
Tgt Ion:248 Resp: 1124

Ion Ratio Lower Upper

248 100

250 104.0 62.7 94.1#

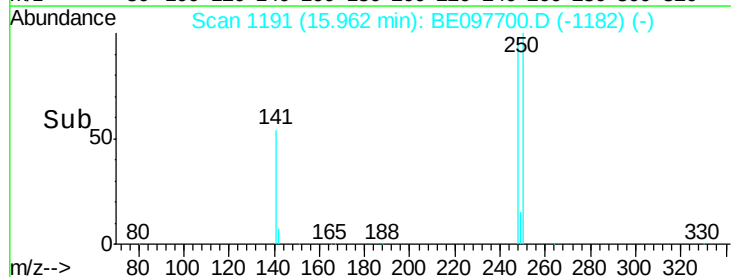
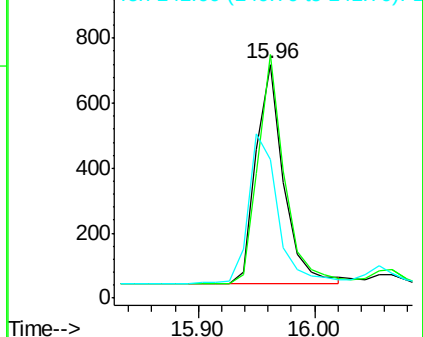
141 59.3 48.2 72.2

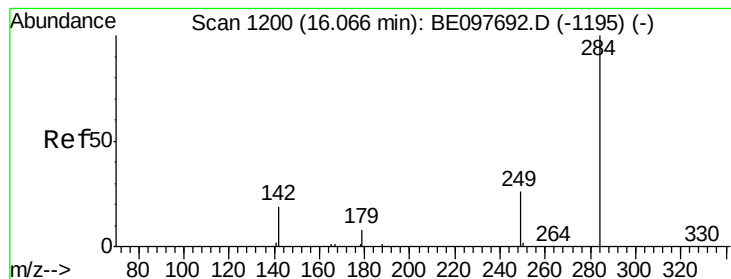


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.389 ng

RT: 16.07 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

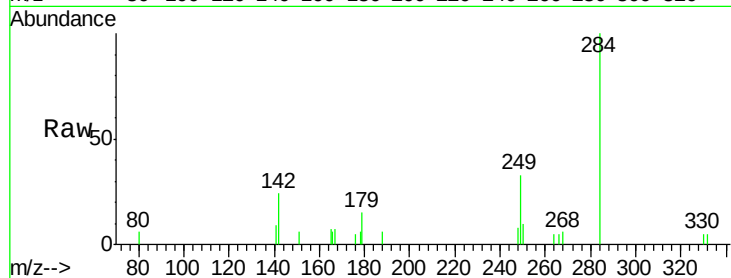
Tgt Ion:284 Resp: 1315

Ion Ratio Lower Upper

284 100

142 32.1 22.1 33.1

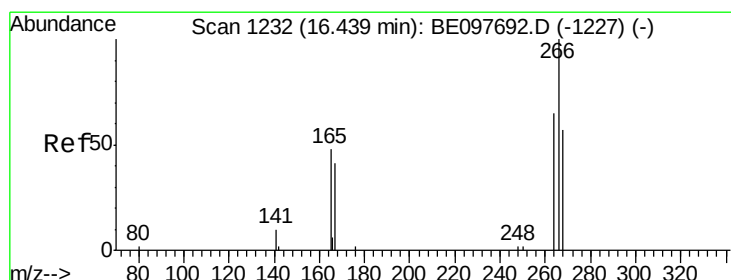
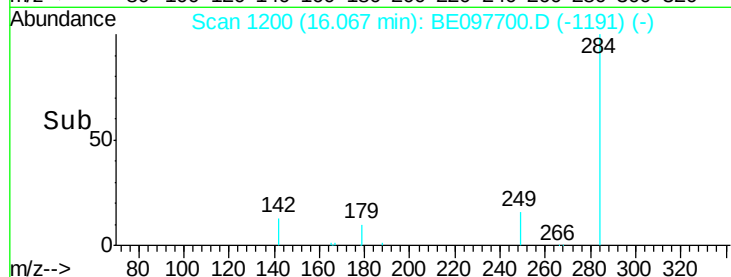
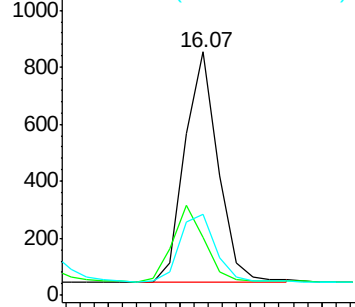
249 31.0 34.8 52.2#



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: 0.293 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

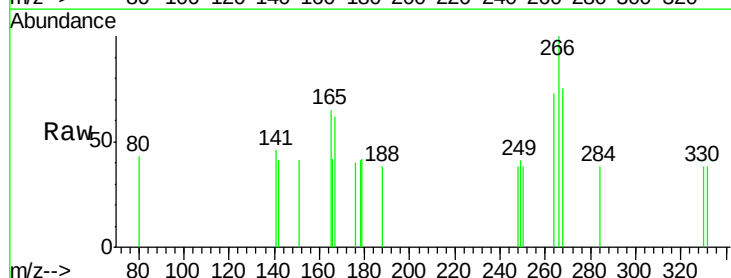
Tgt Ion:266 Resp: 228

Ion Ratio Lower Upper

266 100

264 72.6 72.5 108.7

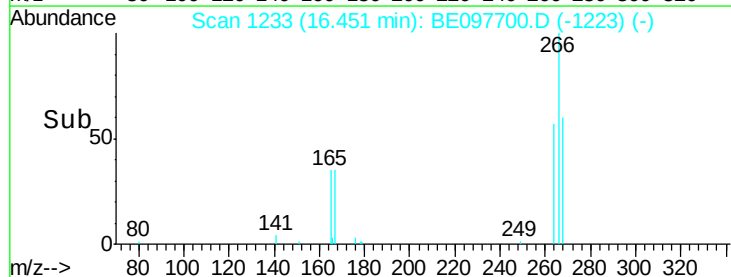
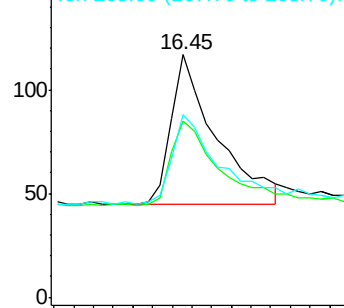
268 75.2 73.8 110.6

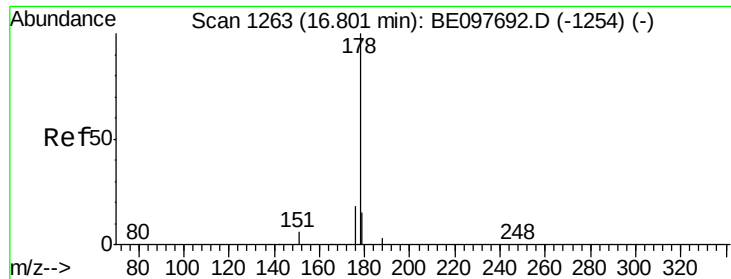


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.389 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

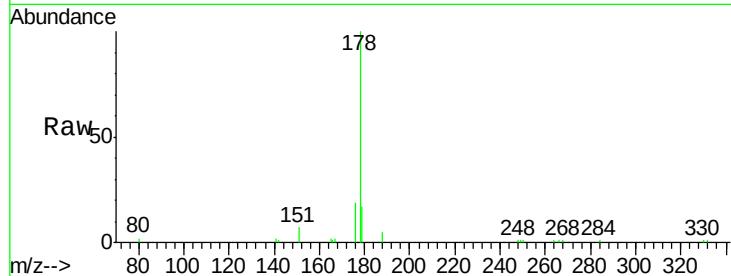
Tgt Ion:178 Resp: 5932

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

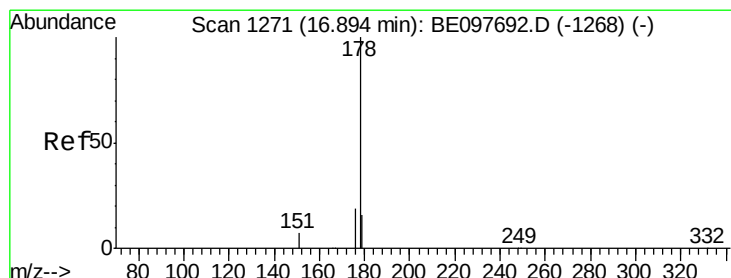
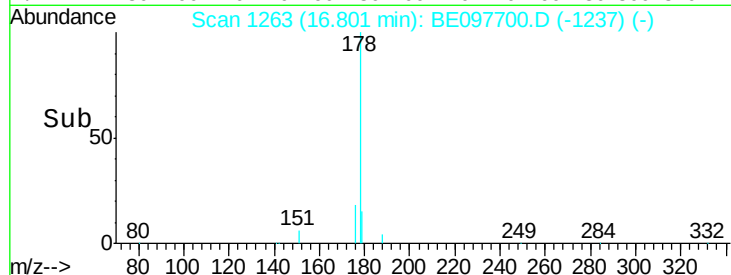
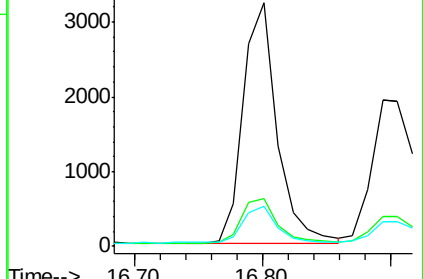
179 15.4 11.8 17.6



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: 0.362 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

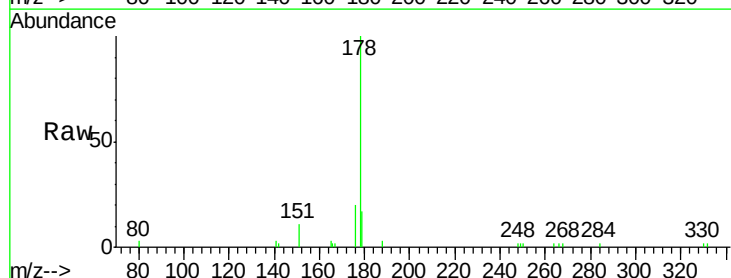
Tgt Ion:178 Resp: 4544

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

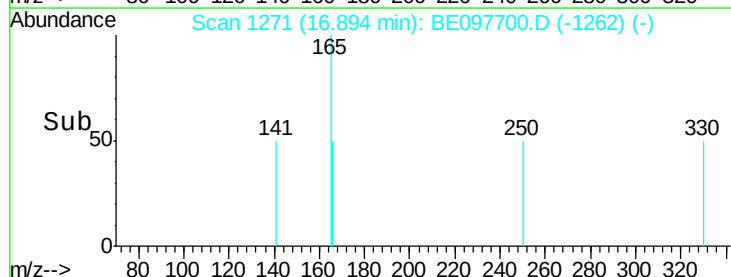
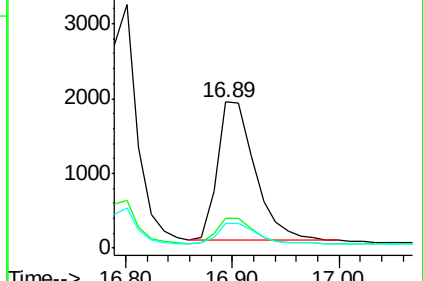
179 15.0 13.0 19.6

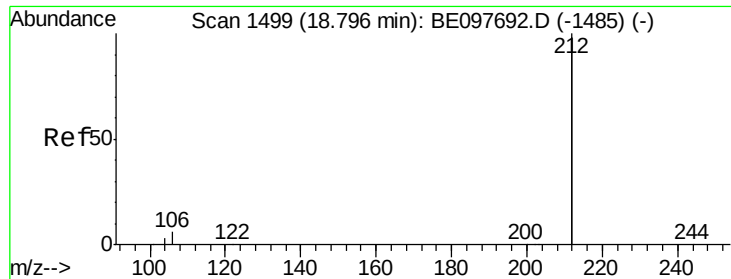


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.383 ng

RT: 18.80 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

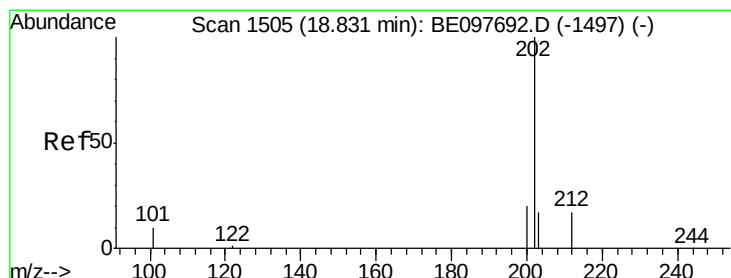
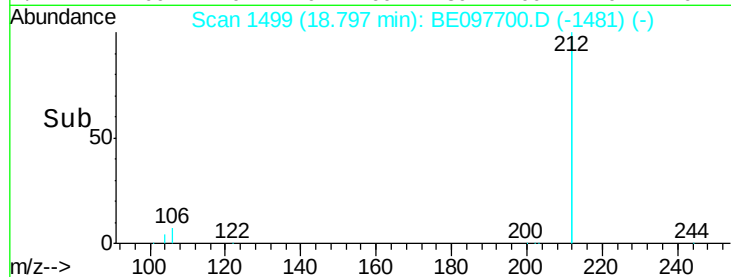
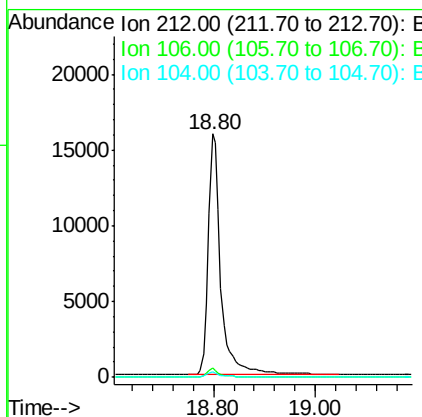
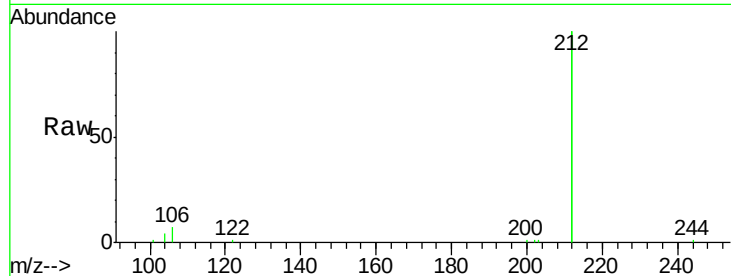
Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 27376 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 3.1   | 2.8   | 4.2   |
| 104      | 1.7   | 1.6   | 2.4   |



#26

Fluoranthene

Concen: 0.378 ng

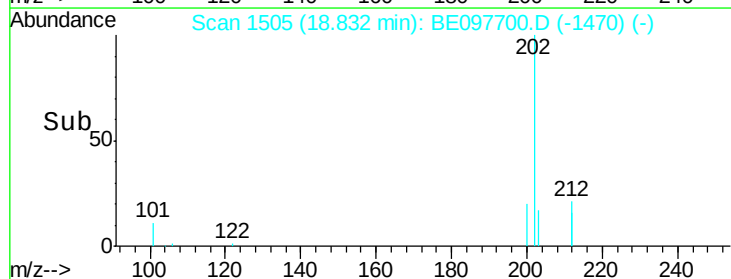
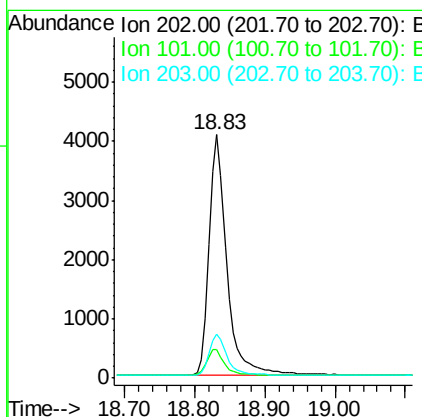
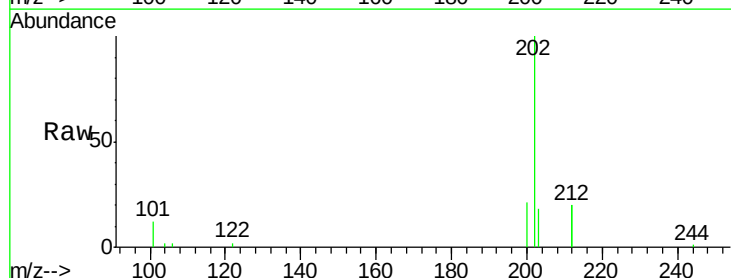
RT: 18.83 min Scan# 1505

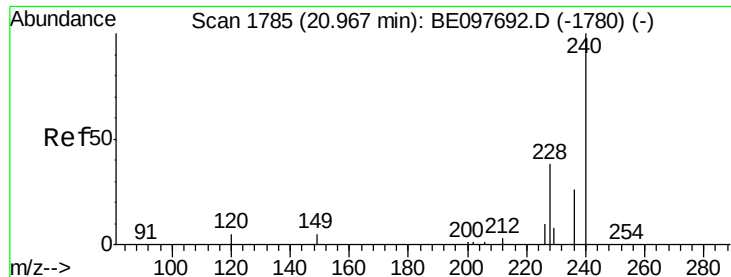
Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 7165  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 10.7  | 9.8   | 14.8  |
| 203      | 16.9  | 13.7  | 20.5  |

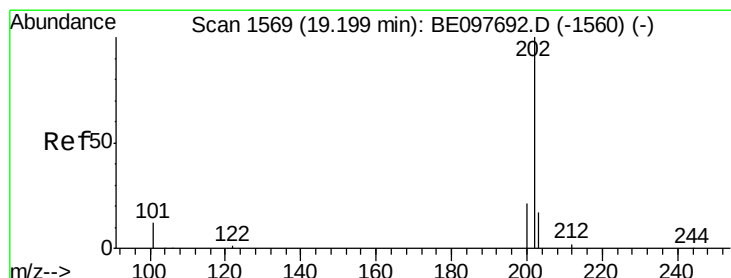
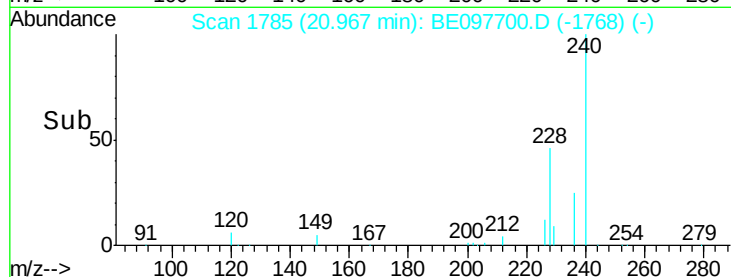
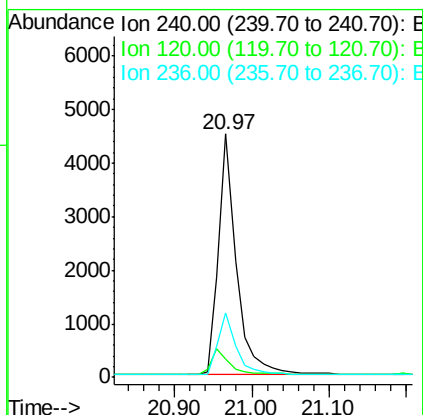
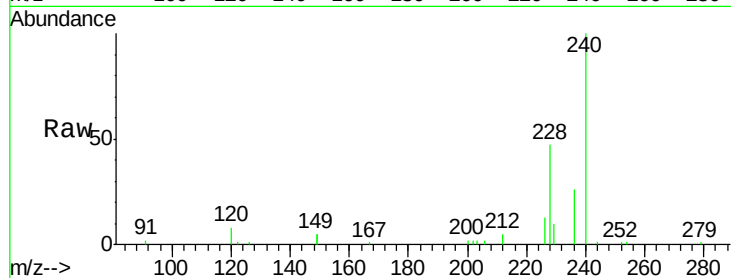




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 20.97 min Scan# 1785  
 Delta R.T. 0.00 min  
 Lab File: BE097700.D  
 Acq: 28 Sep 2018 12:29

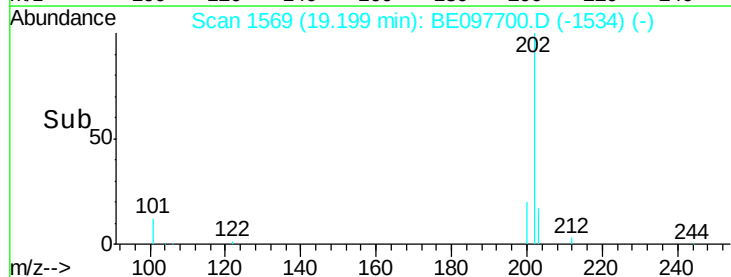
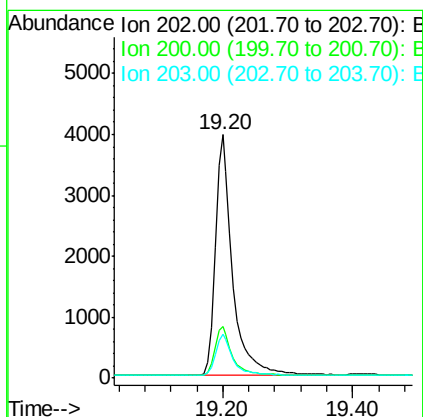
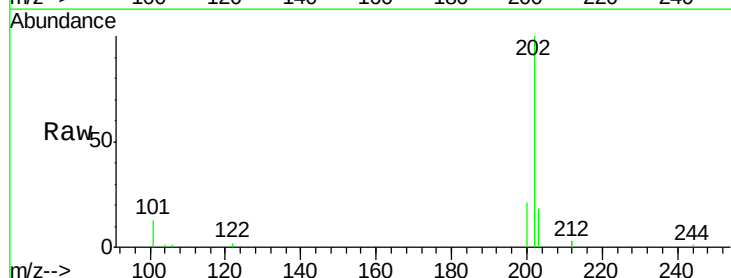
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113060BSD

Tgt Ion:240 Resp: 7368  
 Ion Ratio Lower Upper  
 240 100  
 120 7.6 5.5 8.3  
 236 26.3 20.7 31.1

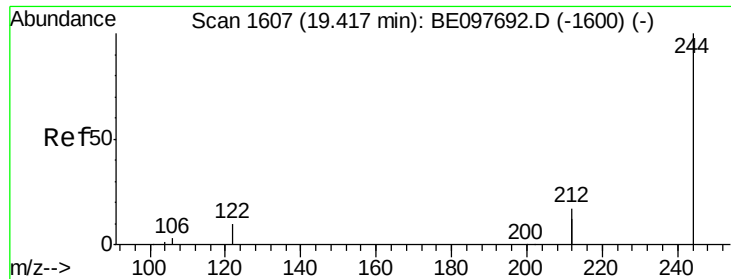


#28  
 Pyrene  
 Concen: 0.384 ng  
 RT: 19.20 min Scan# 1569  
 Delta R.T. 0.00 min  
 Lab File: BE097700.D  
 Acq: 28 Sep 2018 12:29

Tgt Ion:202 Resp: 7355  
 Ion Ratio Lower Upper  
 202 100  
 200 20.9 16.6 25.0  
 203 17.3 13.8 20.8







#29

Terphenyl-d14

Concen: 0.374 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

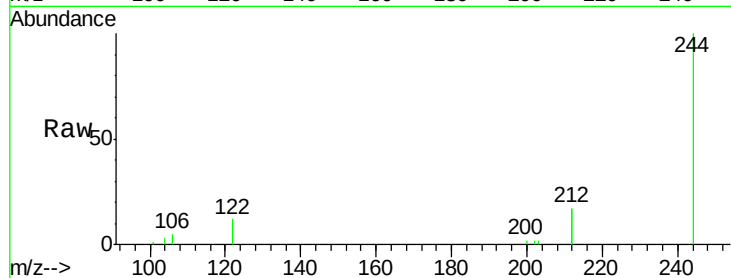
Tgt Ion:244 Resp: 5947

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

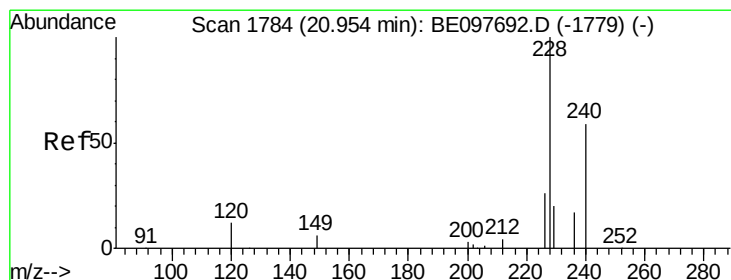
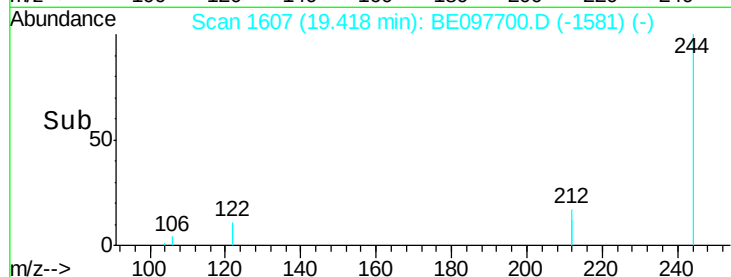
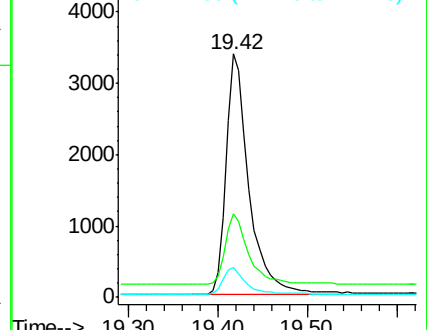
122 12.3 8.1 12.1#



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: 0.350 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

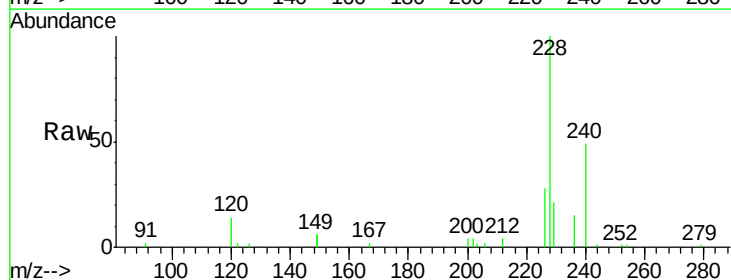
Tgt Ion:228 Resp: 6371

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

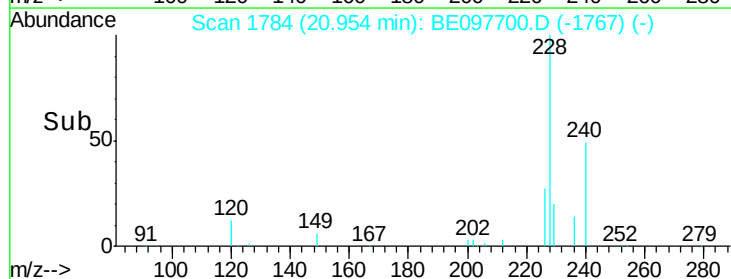
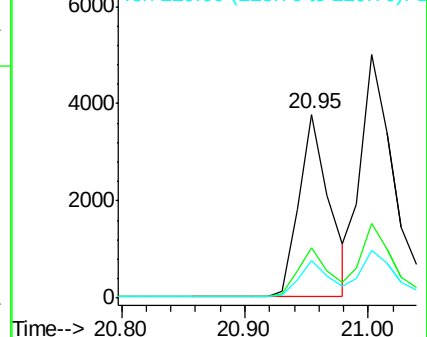
229 20.5 16.0 24.0

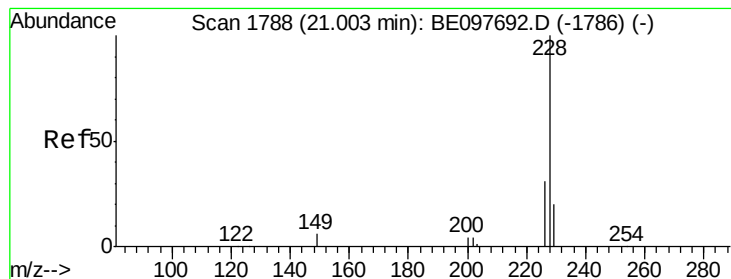


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.398 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

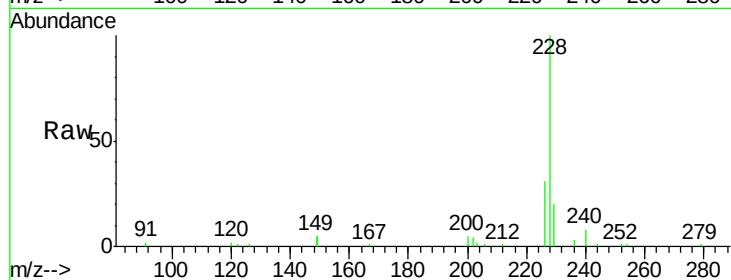
Tgt Ion:228 Resp: 9069

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

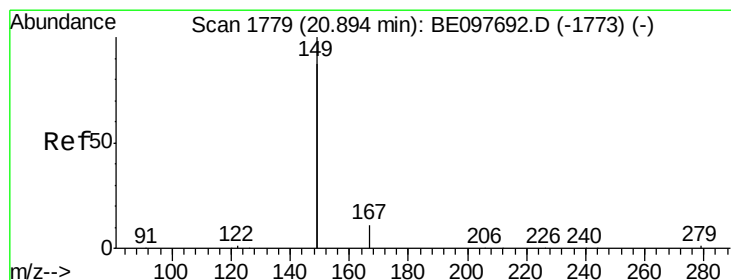
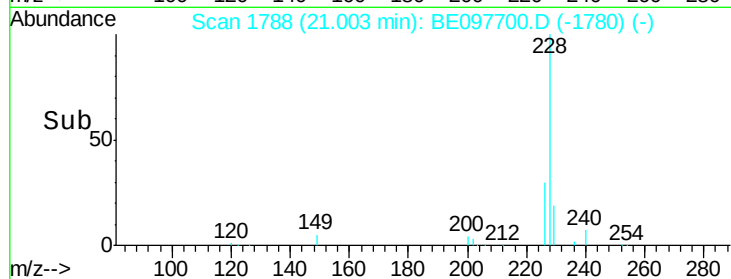
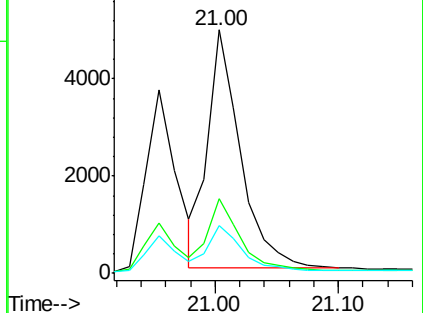
229 19.7 16.0 24.0



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: 0.332 ng

RT: 20.89 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

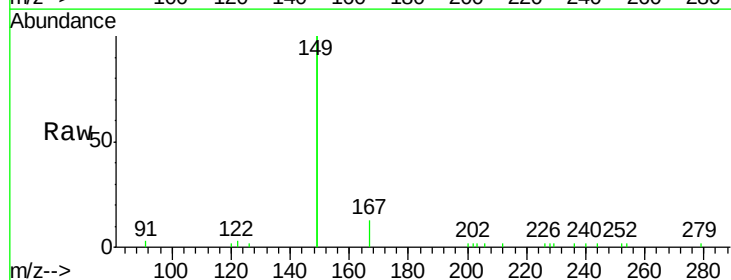
Tgt Ion:149 Resp: 7469

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

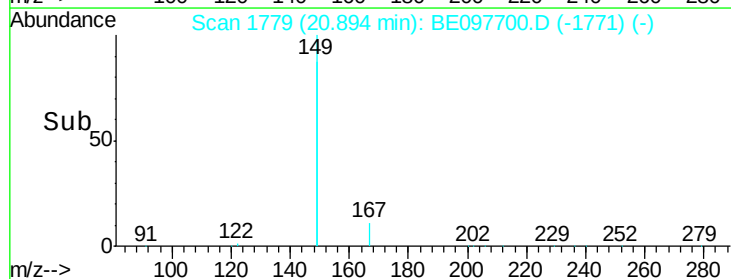
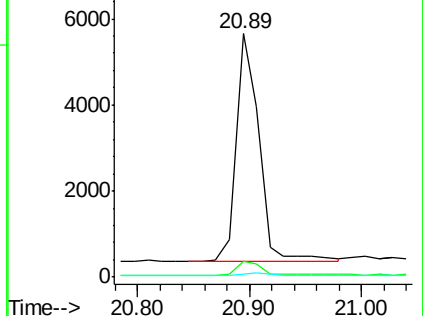
279 1.0 0.7 1.1

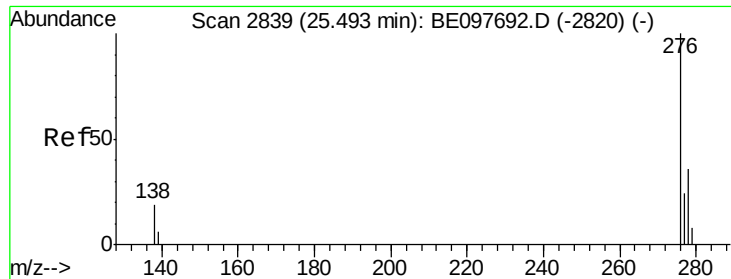


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.416 ng

RT: 25.50 min Scan# 2841

Delta R.T. 0.01 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

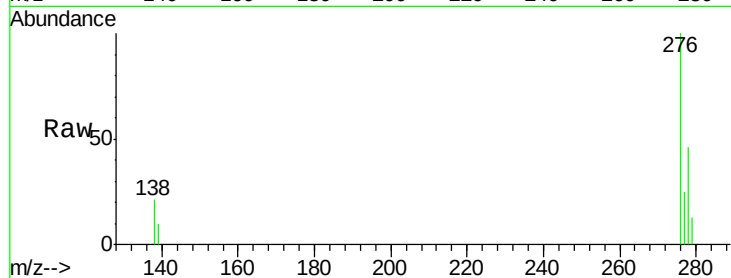
Tgt Ion:276 Resp: 10015

Ion Ratio Lower Upper

276 100

138 21.0 22.5 33.7#

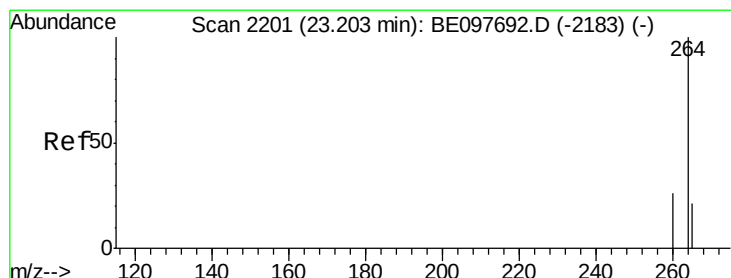
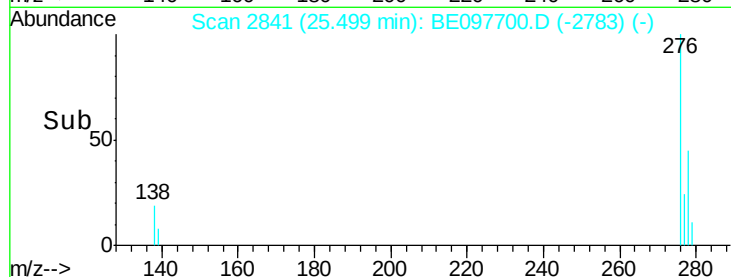
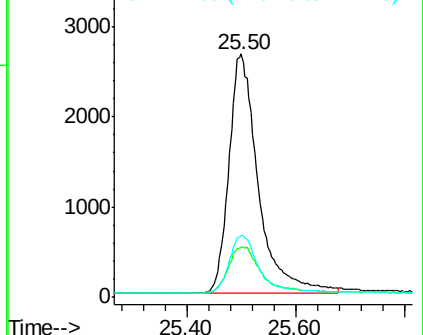
277 24.7 19.9 29.9



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: 23.21 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

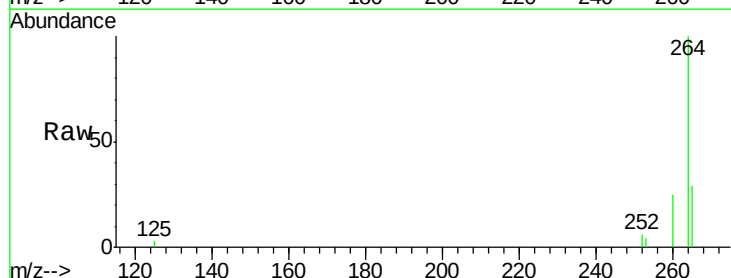
Tgt Ion:264 Resp: 7217

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

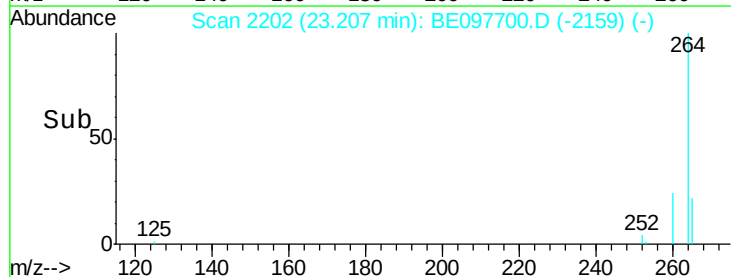
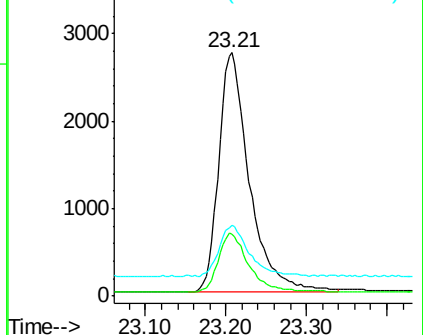
265 29.1 22.8 34.2

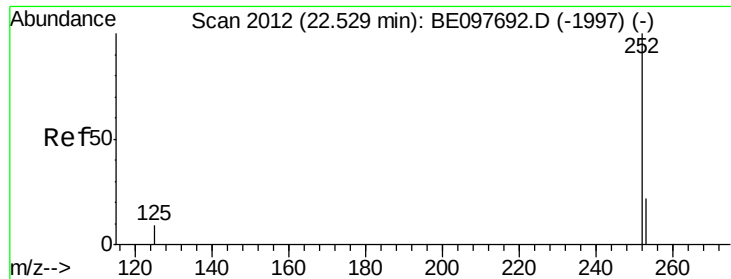


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.344 ng

RT: 22.53 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

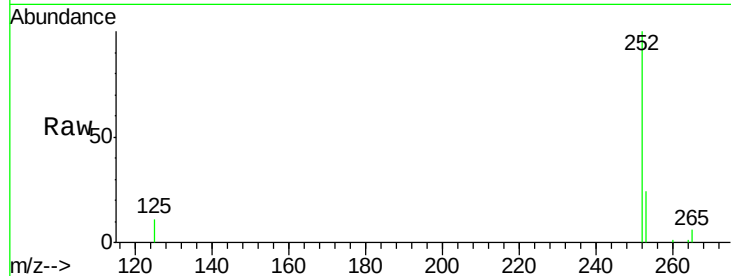
Tgt Ion:252 Resp: 7166

Ion Ratio Lower Upper

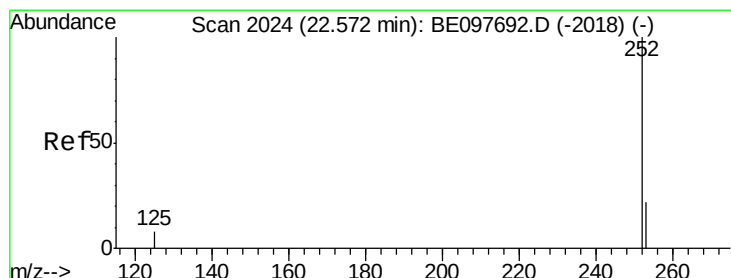
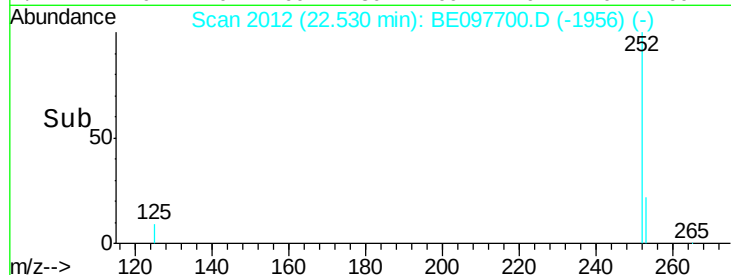
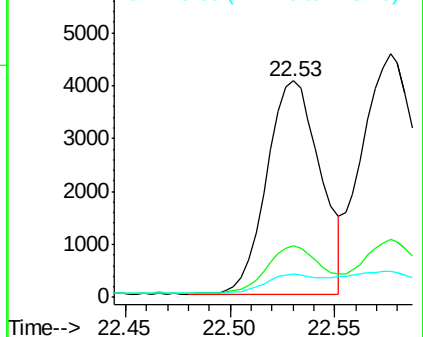
252 100

253 23.7 20.0 30.0

125 10.9 16.0 24.0#



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: 0.388 ng

RT: 22.58 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

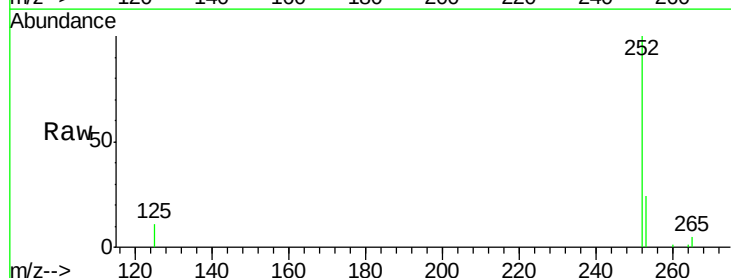
Tgt Ion:252 Resp: 9328

Ion Ratio Lower Upper

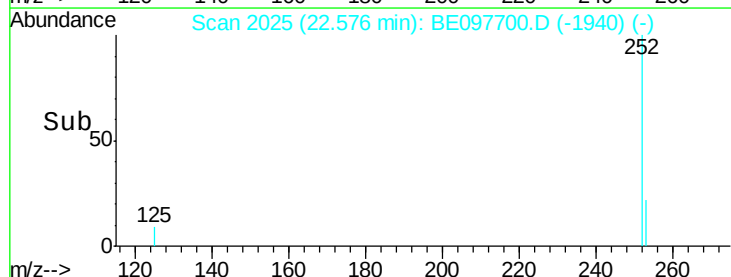
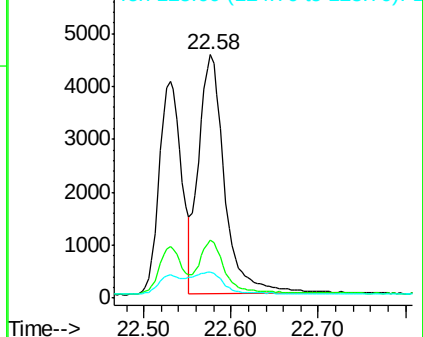
252 100

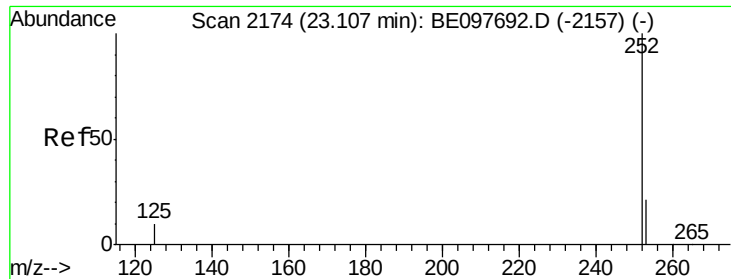
253 23.8 16.0 24.0

125 10.6 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.369 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD

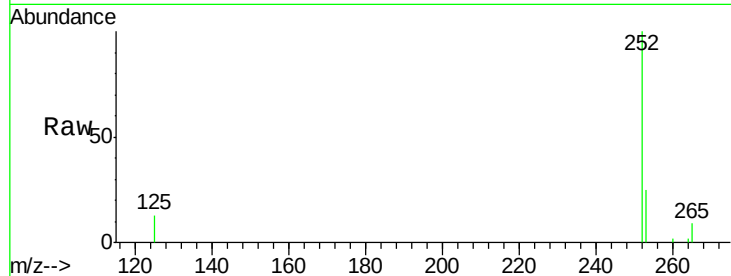
Tgt Ion:252 Resp: 7380

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

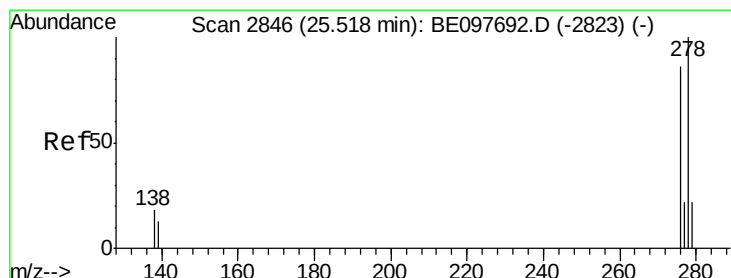
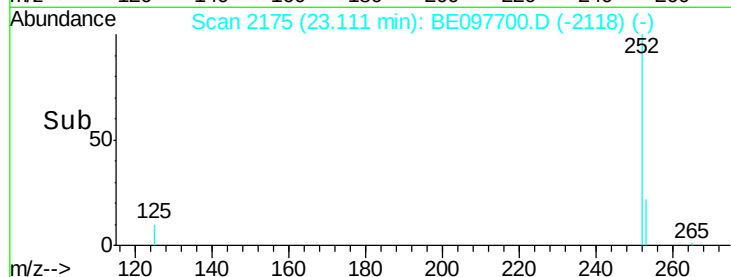
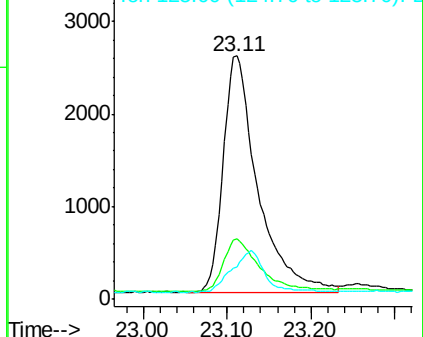
125 13.3 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.374 ng

RT: 25.52 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097700.D

Acq: 28 Sep 2018 12:29

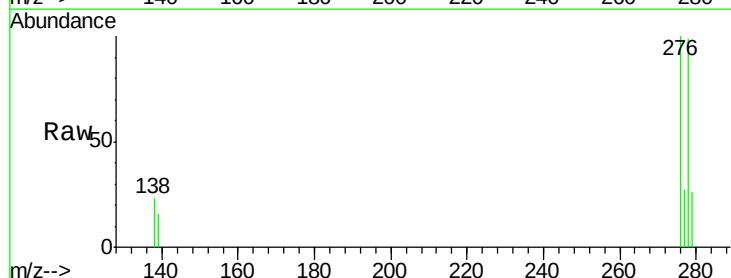
Tgt Ion:278 Resp: 8122

Ion Ratio Lower Upper

278 100

139 16.1 16.0 24.0

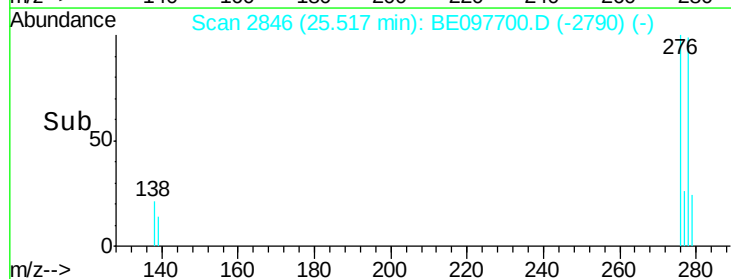
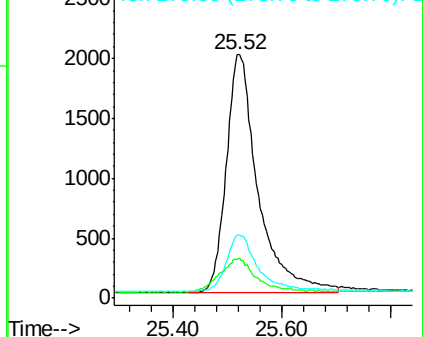
279 26.2 20.0 30.0

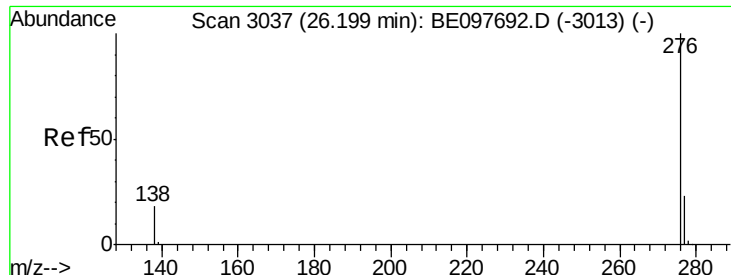


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.357 ng

RT: 26.20 min Scan# 3038

Delta R.T. 0.00 min

Lab File: BE097700.D

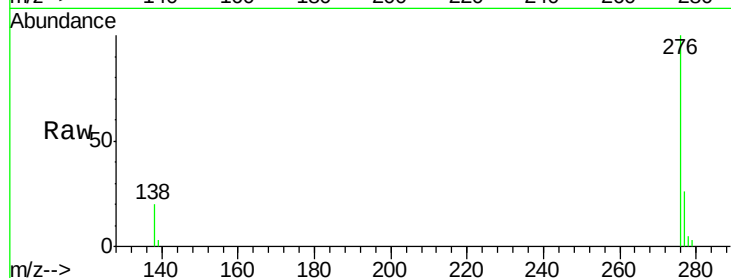
Acq: 28 Sep 2018 12:29

Instrument :

BNA\_E

ClientSampleId :

PB113060BSD



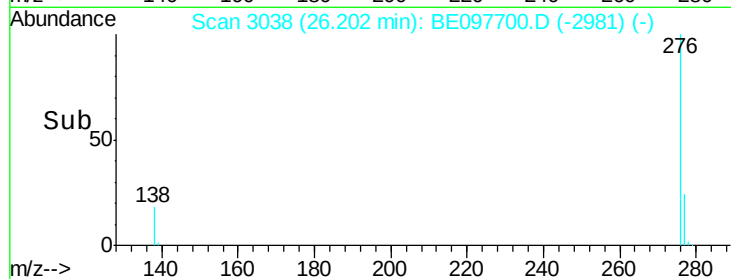
Tgt Ion: 276 Resp: 7867

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 20.3 20.0 30.0



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

