

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE091718\  
 Data File : BE097510.D  
 Acq On : 17 Sep 2018 00:00  
 Operator : SJ/JU  
 Sample : J4892-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PR-MW-01-091218

Quant Time: Sep 18 07:03:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE091718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 17 18:57:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.37  | 152  | 1099     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.12 | 136  | 5974     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 13.99 | 164  | 5782     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.75 | 188  | 9396     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 20.97 | 240  | 9884     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.20 | 264  | 9659     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.04  | 112  | 1198     | 0.32 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 1549     | 0.33 | ng    | -0.02    |
| 8) Nitrobenzene-d5          | 8.51  | 82   | 2800     | 0.58 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10 | 11.71 | 152  | 4972     | 0.58 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.51 | 330  | 920      | 0.30 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl        | 12.61 | 172  | 6527     | 0.32 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 18.80 | 212  | 47449    | 0.42 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.41 | 244  | 9959     | 0.53 | ng    | 0.00     |

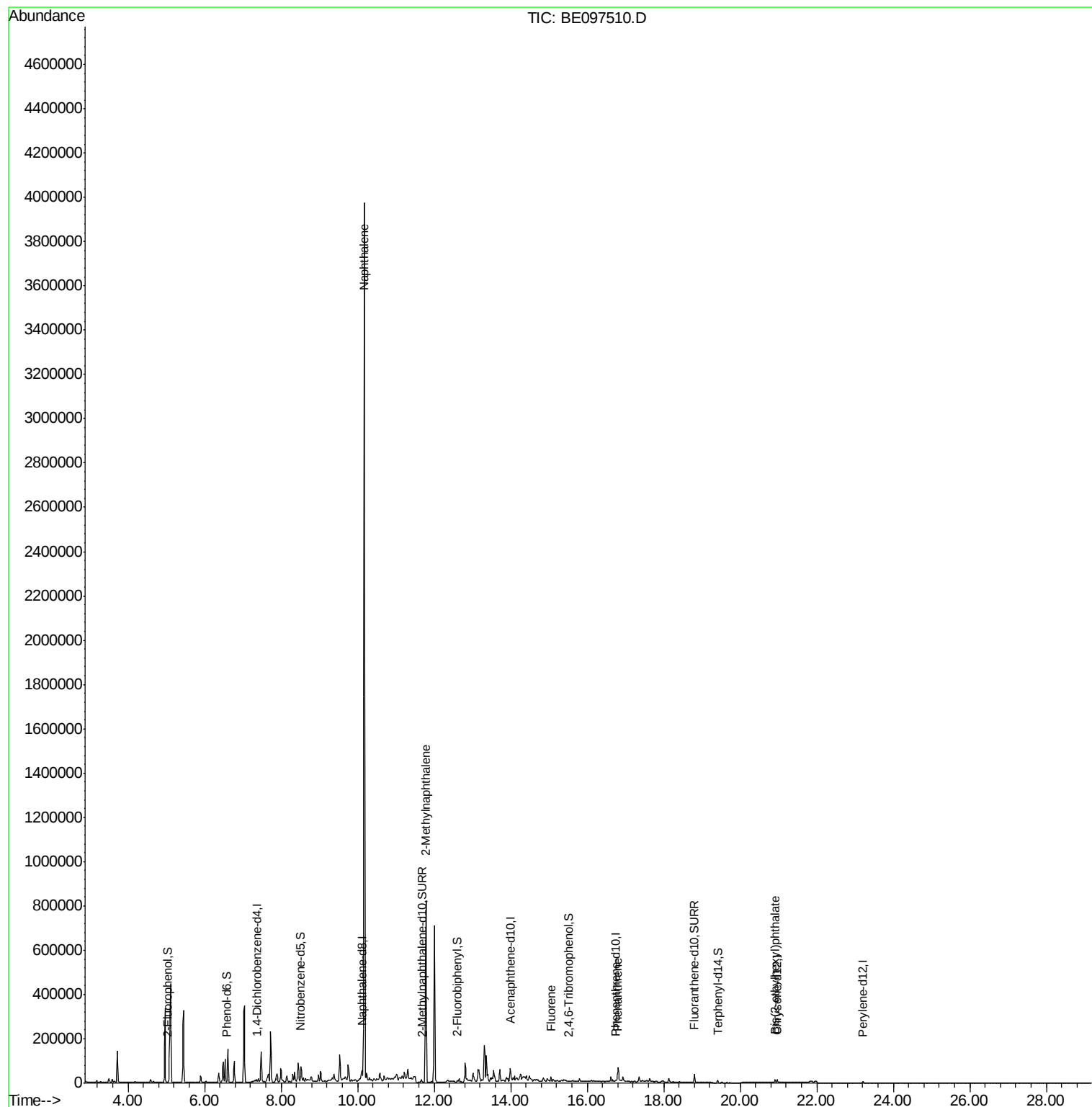
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 9) Naphthalene                 | 10.17 | 128  | 6278664  | 115.770 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 11.79 | 142  | 598174   | 68.956  | ng    | 98     |
| 18) Fluorene                   | 15.05 | 166  | 13479    | 0.681   | ng    | # 82   |
| 23) Phenanthrene               | 16.79 | 178  | 4044     | 0.183   | ng    | # 71   |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 12832    | 0.232   | ng    | # 99   |

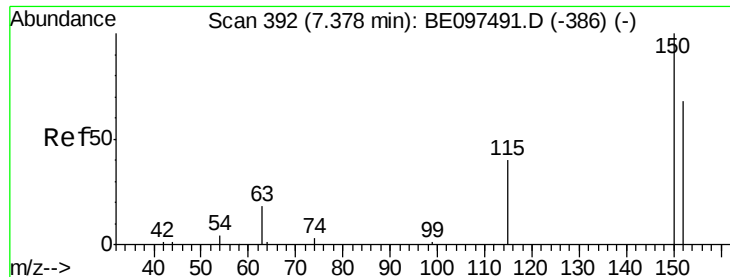
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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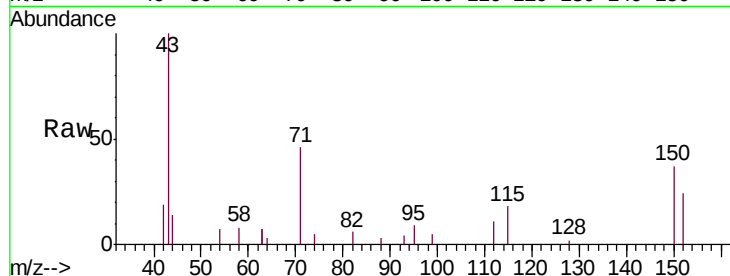


#1

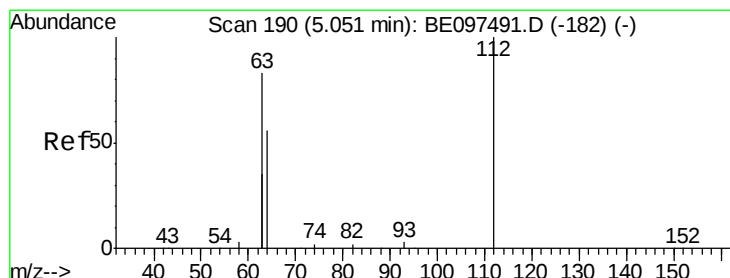
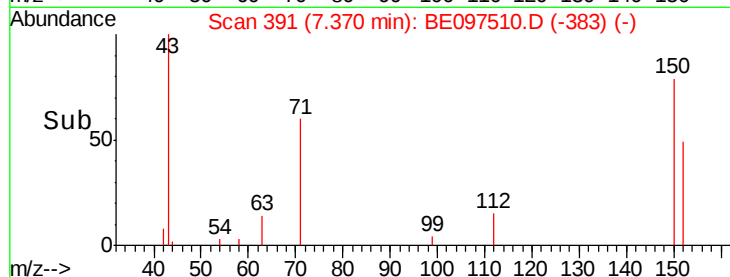
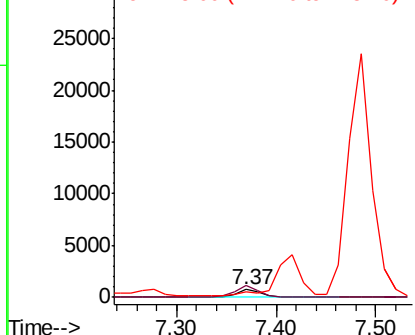
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.37 min Scan# 391  
Delta R.T. -0.01 min  
Lab File: BE097510.D  
Acq: 17 Sep 2018 00:00

Instrument :  
BNA\_E  
ClientSampleId :  
PR-MW-01-091218

Tgt Ion:152 Resp: 1099  
Ion Ratio Lower Upper  
152 100  
150 153.3 117.2 175.8  
115 72.9 57.0 85.6



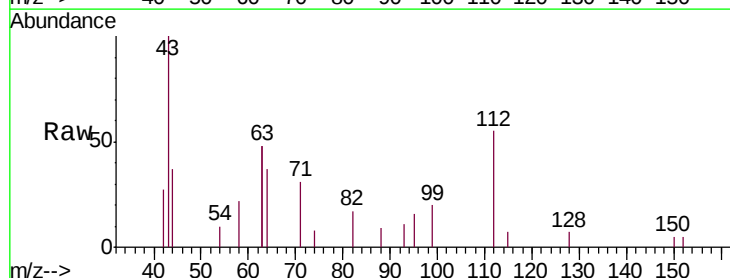
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



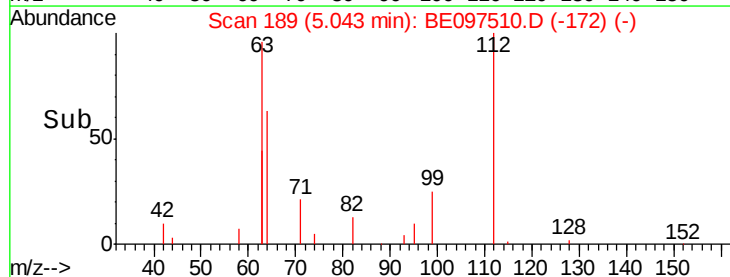
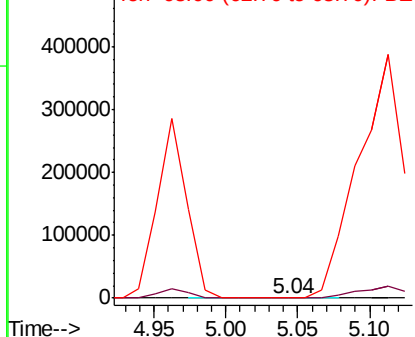
#4

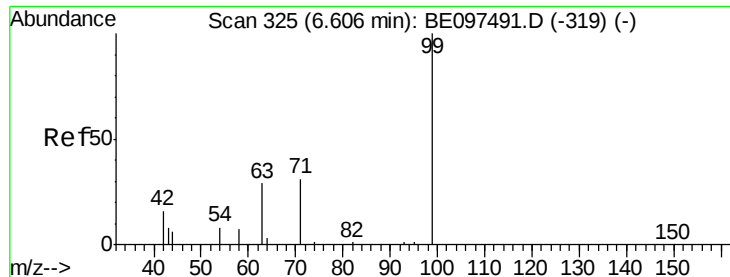
2-Fluorophenol  
Concen: 0.322 ng  
RT: 5.04 min Scan# 189  
Delta R.T. -0.01 min  
Lab File: BE097510.D  
Acq: 17 Sep 2018 00:00

Tgt Ion:112 Resp: 1198  
Ion Ratio Lower Upper  
112 100  
64 0.0 60.1 90.1#  
63 0.0 116.8 175.2#



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: 0.328 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.02 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

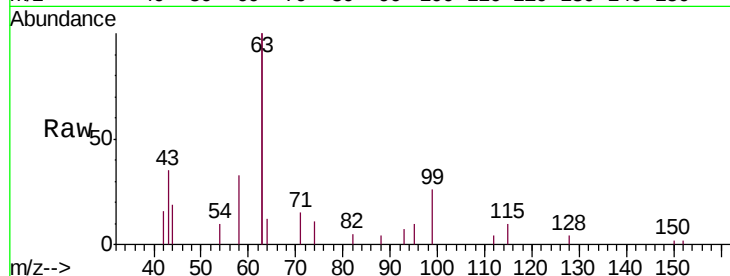
Tgt Ion: 99 Resp: 1549

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

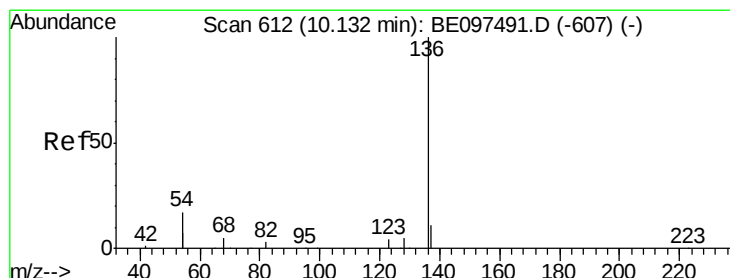
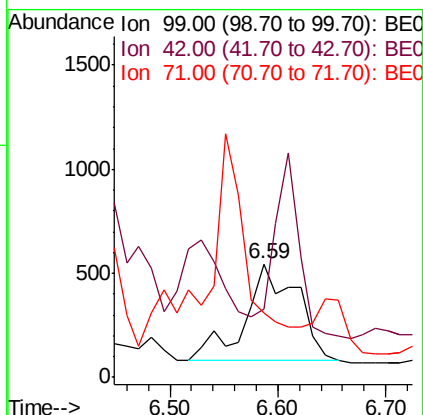
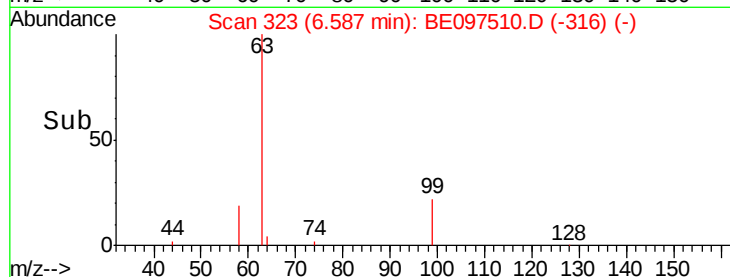
71 0.0 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Tgt Ion: 136 Resp: 5974

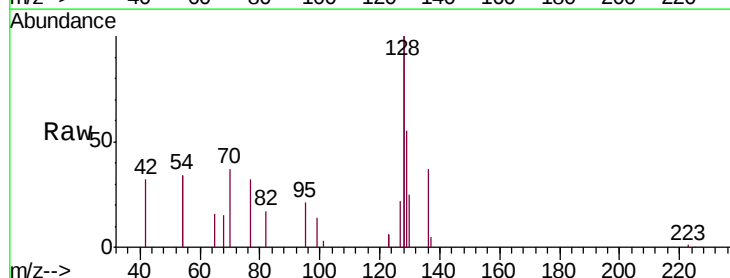
Ion Ratio Lower Upper

136 100

137 14.6 9.5 14.3#

54 182.1 29.1 43.7#

68 39.6 6.2 9.2#

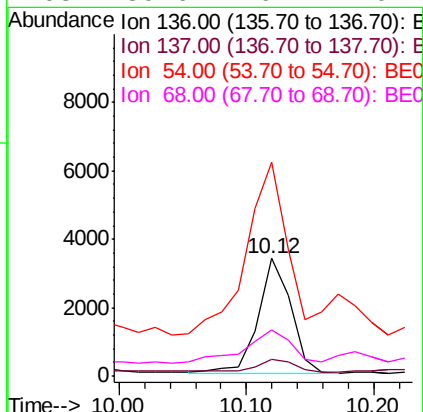
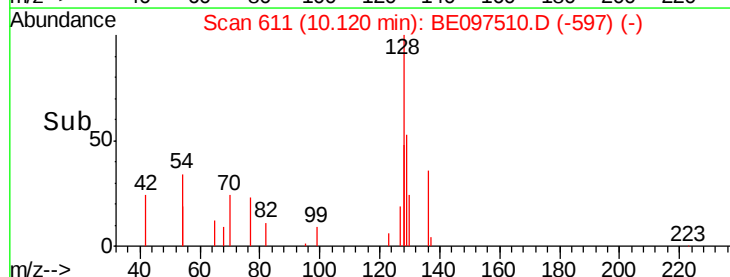


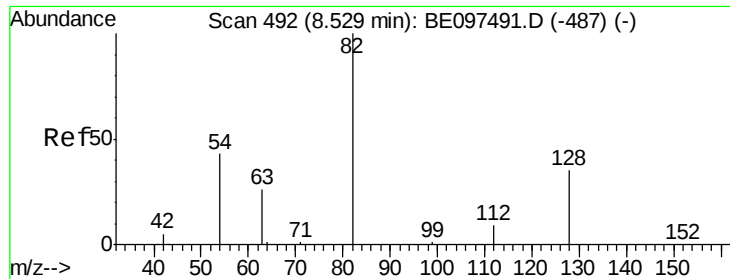
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.582 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.02 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

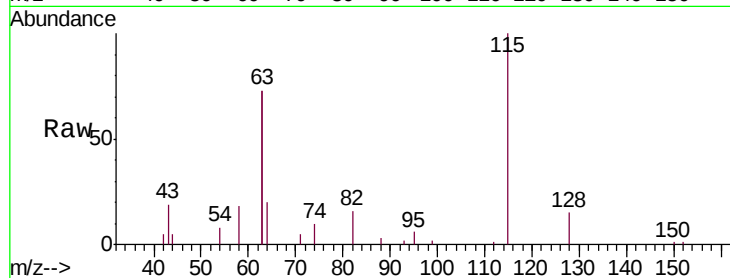
Tgt Ion: 82 Resp: 2800

Ion Ratio Lower Upper

82 100

128 98.1 24.0 36.0#

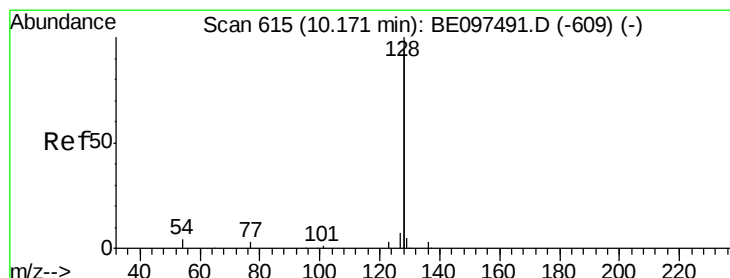
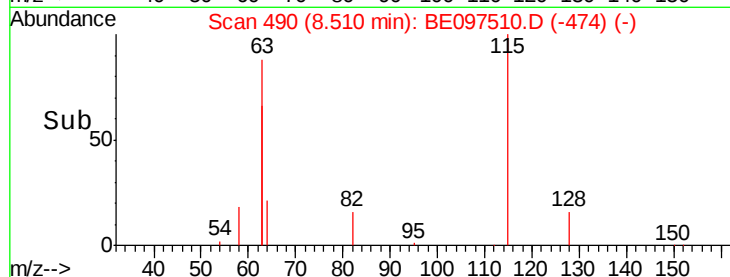
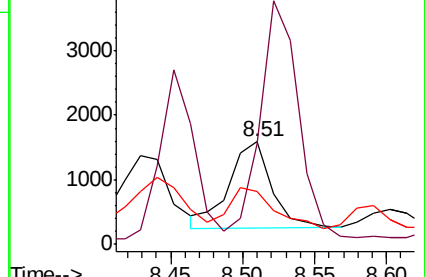
54 51.8 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 115.770 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

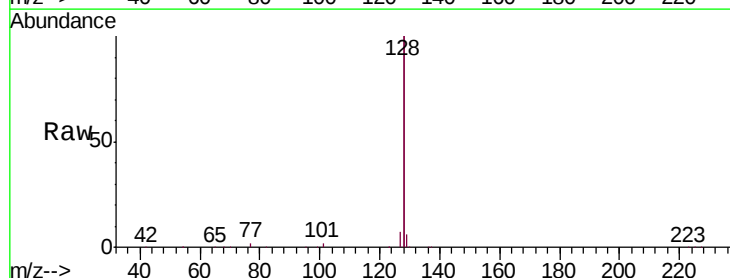
Tgt Ion:128 Resp: 6278664

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

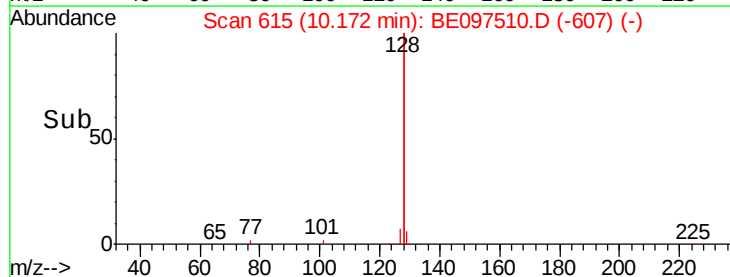
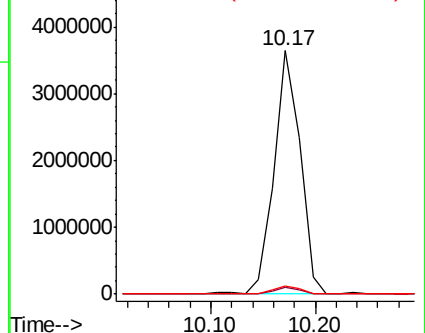
127 3.5 2.8 4.2

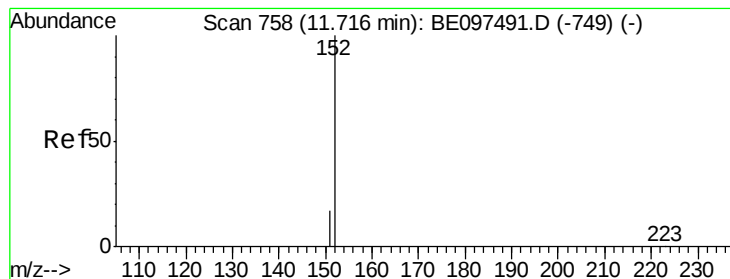


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.582 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

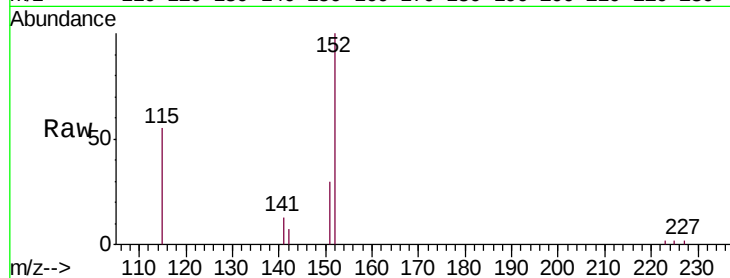
PR-MW-01-091218

Tgt Ion:152 Resp: 4972

Ion Ratio Lower Upper

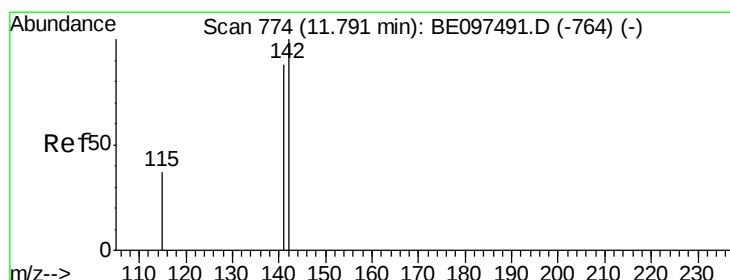
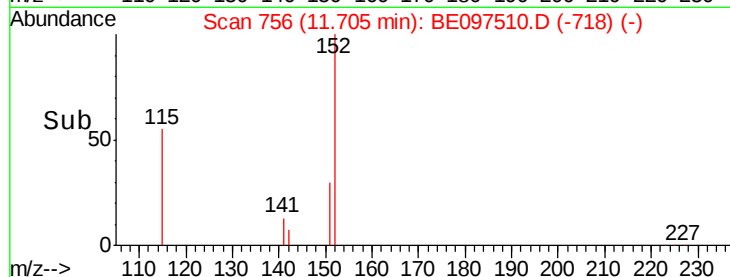
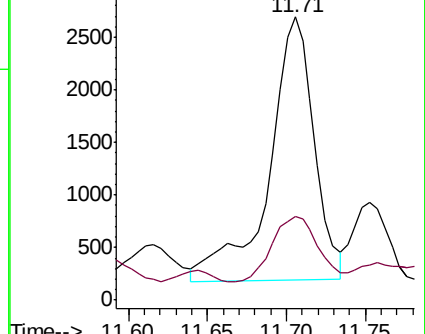
152 100

151 25.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 68.956 ng

RT: 11.79 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

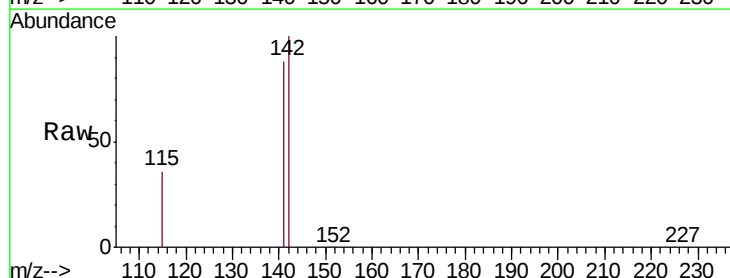
Tgt Ion:142 Resp: 598174

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

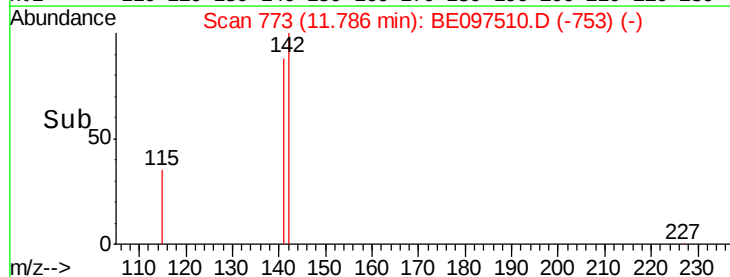
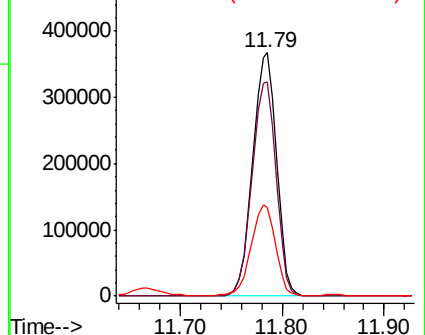
115 36.4 31.7 47.5

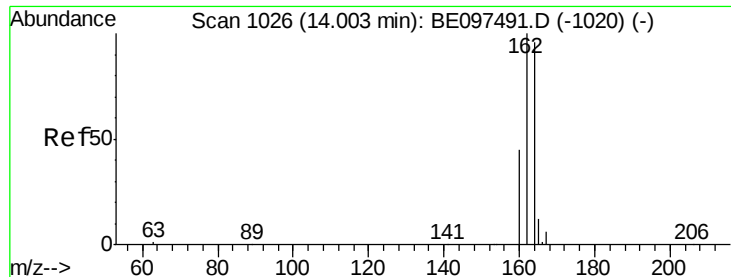


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

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ClientSampleId :

PR-MW-01-091218

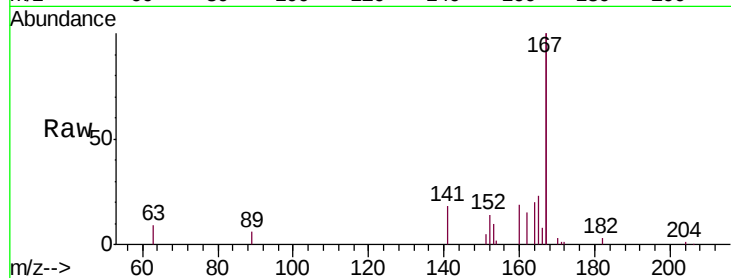
Tgt Ion:164 Resp: 5782

Ion Ratio Lower Upper

164 100

162 72.4 83.1 124.7#

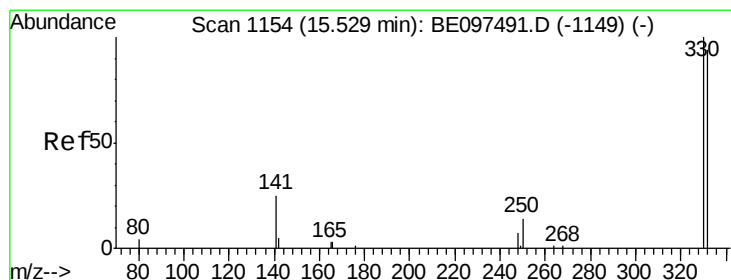
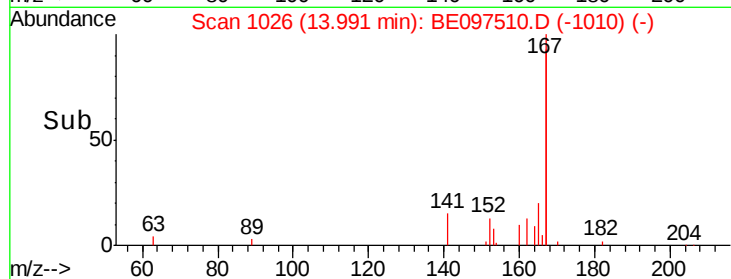
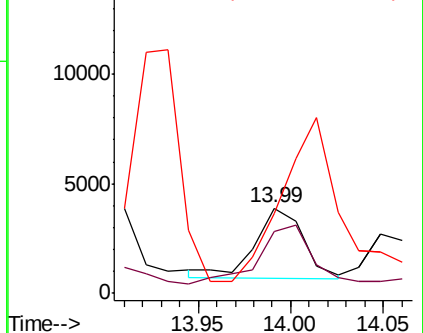
160 93.5 37.1 55.7#



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: 0.301 ng

RT: 15.51 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

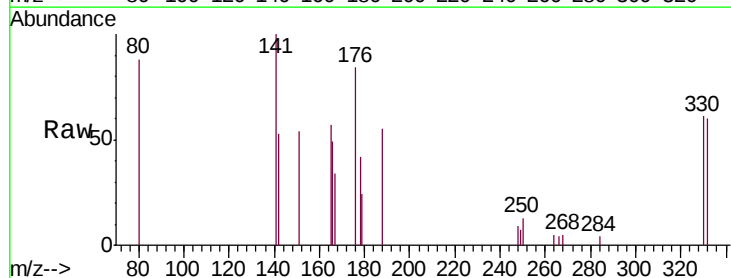
Tgt Ion:330 Resp: 920

Ion Ratio Lower Upper

330 100

332 96.7 152.7 229.1#

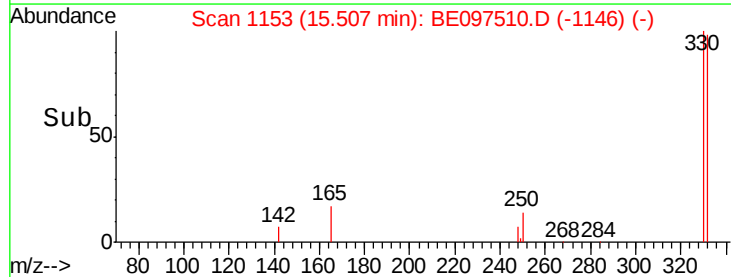
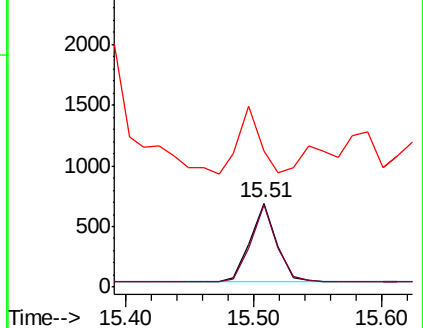
141 70.2 33.7 50.5#

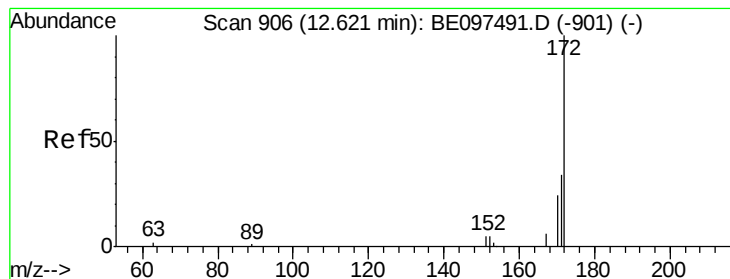


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.323 ng

RT: 12.61 min Scan# 906

Delta R.T. -0.01 min

Lab File: BE097510.D

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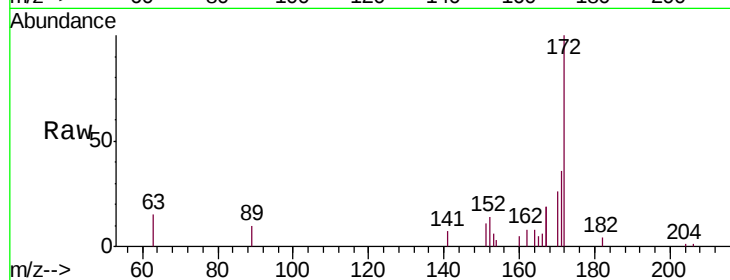
Tgt Ion:172 Resp: 6527

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

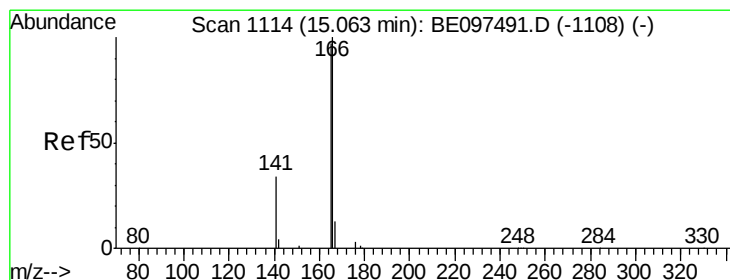
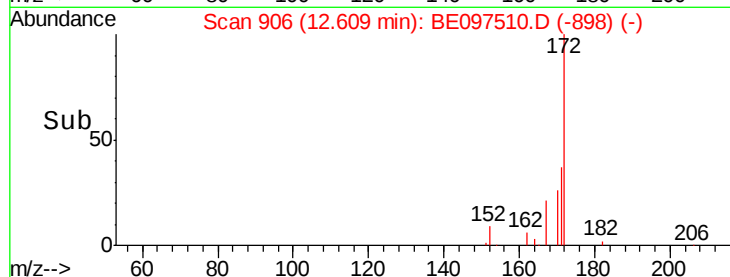
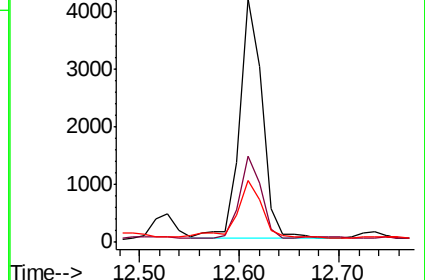
170 25.6 21.8 32.8



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



#18

Fluorene

Concen: 0.681 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

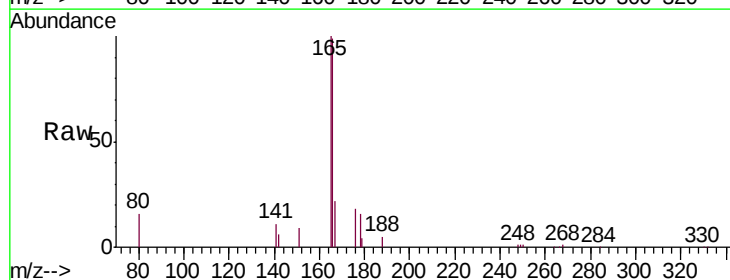
Tgt Ion:166 Resp: 13479

Ion Ratio Lower Upper

166 100

165 97.6 77.8 116.6

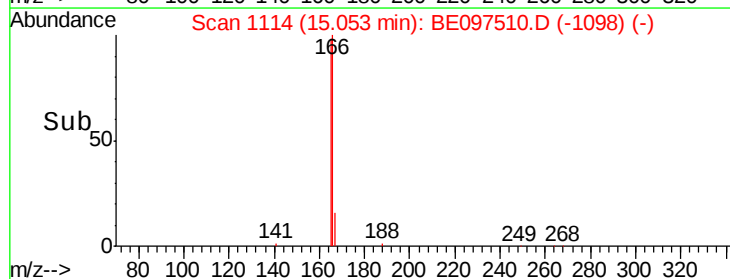
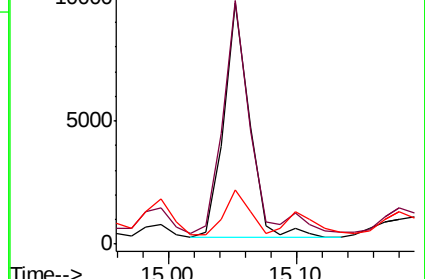
167 18.3 42.4 63.6#

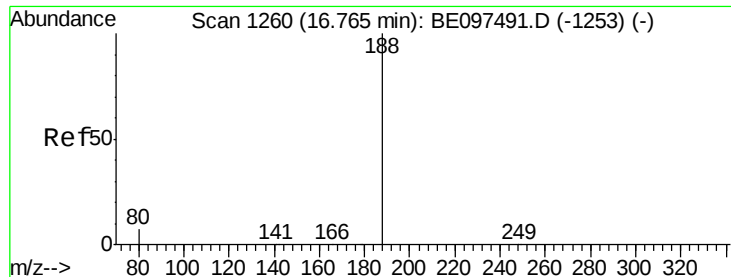


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

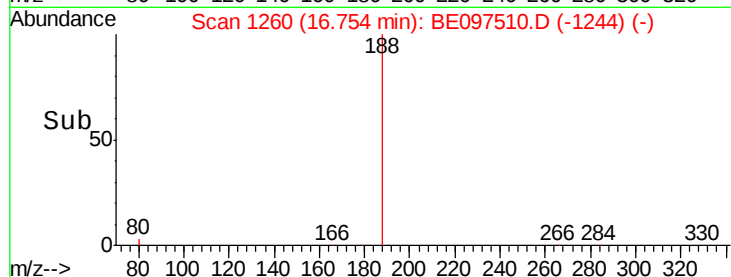
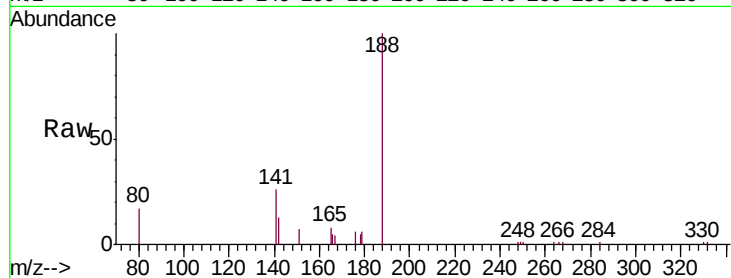
Tgt Ion:188 Resp: 9396

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

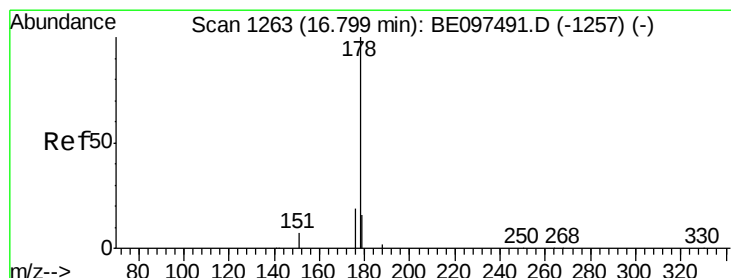
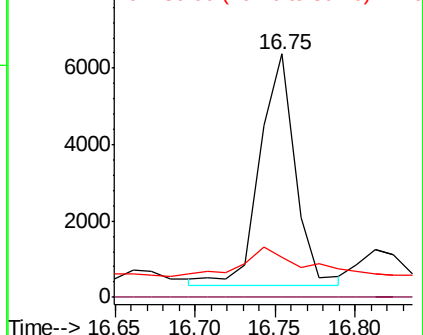
80 16.7 3.6 5.4#



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



#23

Phenanthrene

Concen: 0.183 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

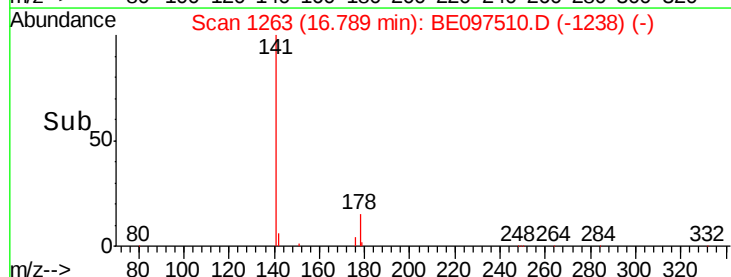
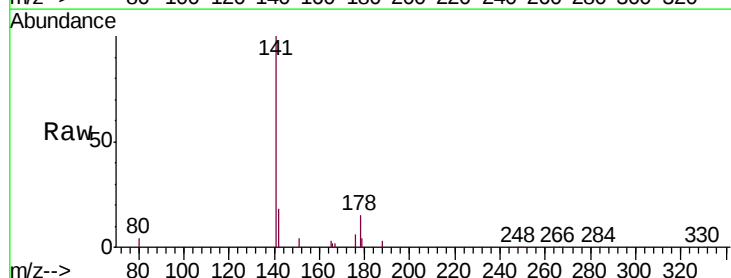
Tgt Ion:178 Resp: 4044

Ion Ratio Lower Upper

178 100

176 35.3 15.1 22.7#

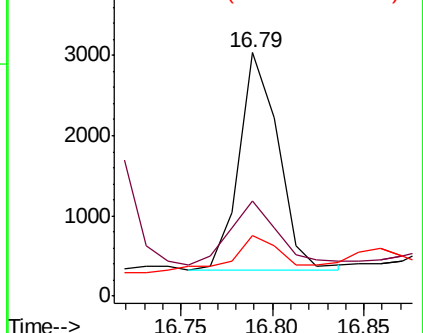
179 23.2 11.8 17.6#

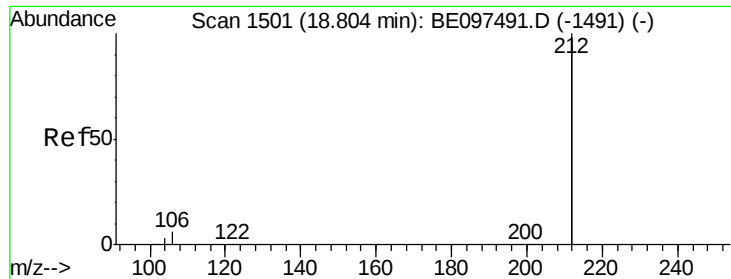


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.420 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

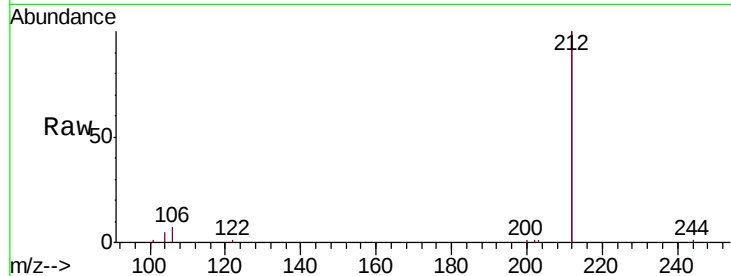
Tgt Ion:212 Resp: 47449

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

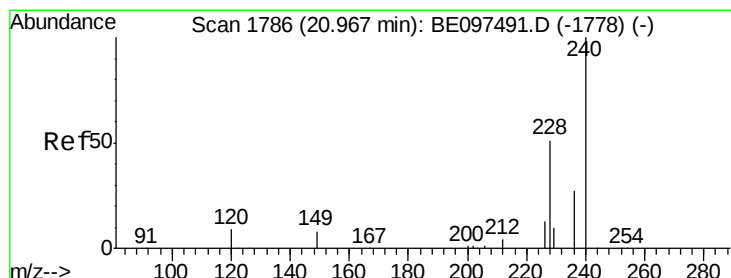
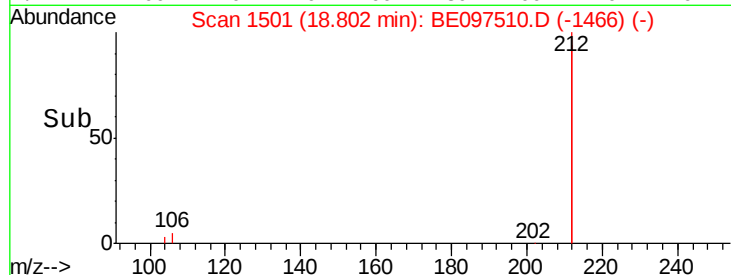
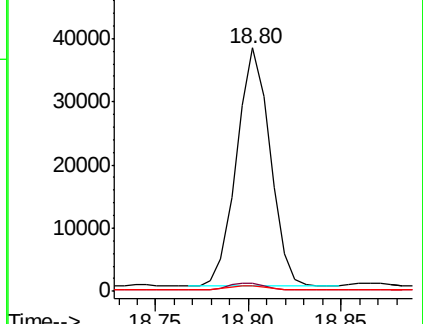
104 1.7 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

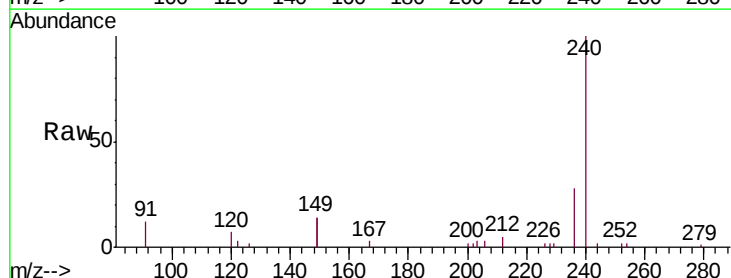
Tgt Ion:240 Resp: 9884

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

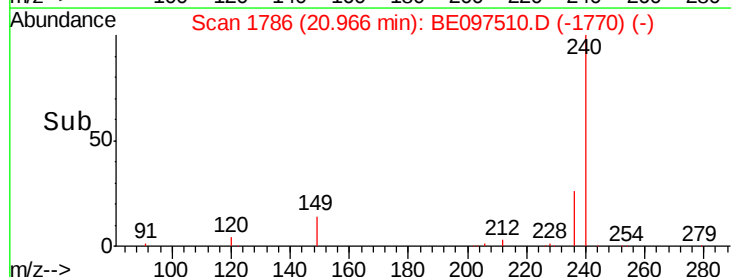
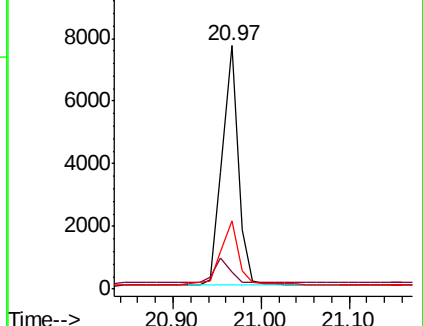
236 27.8 20.7 31.1

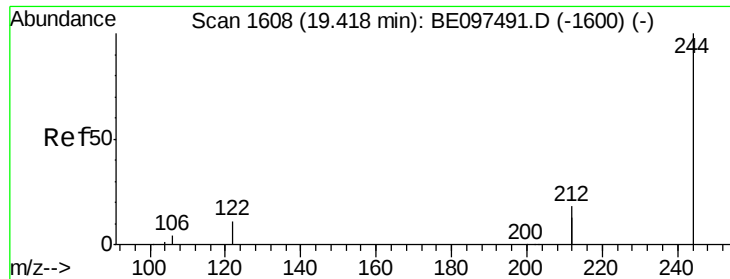


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.527 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

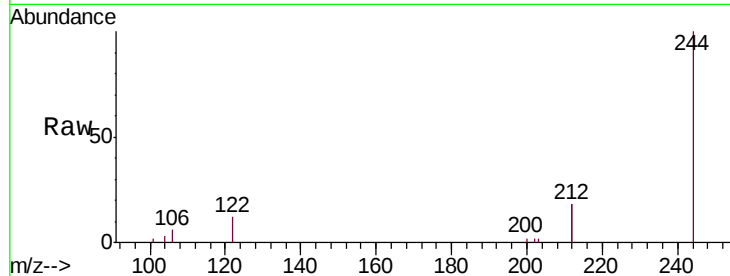
Tgt Ion:244 Resp: 9959

Ion Ratio Lower Upper

244 100

212 36.2 25.4 38.0

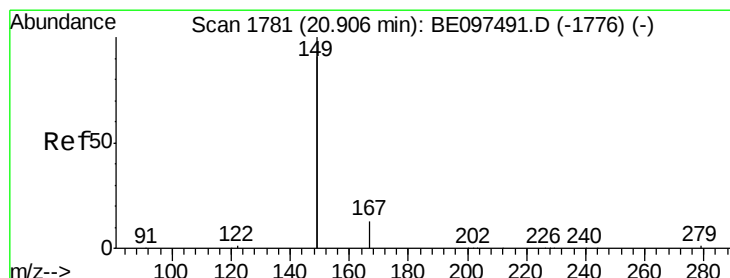
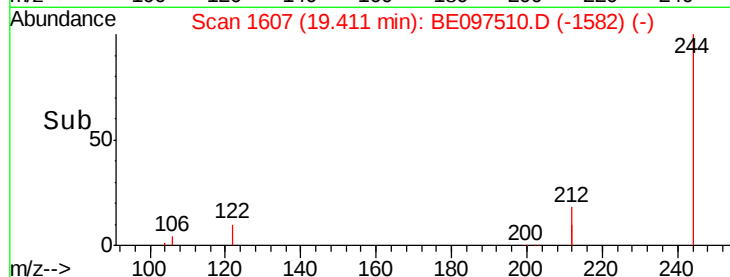
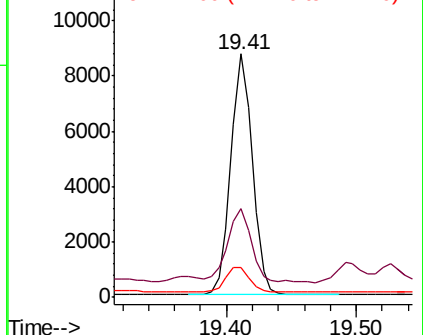
122 12.2 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.232 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

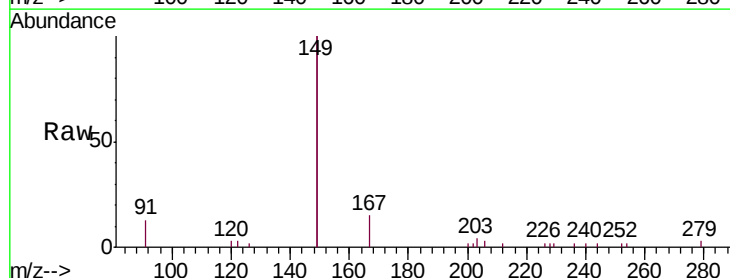
Tgt Ion:149 Resp: 12832

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

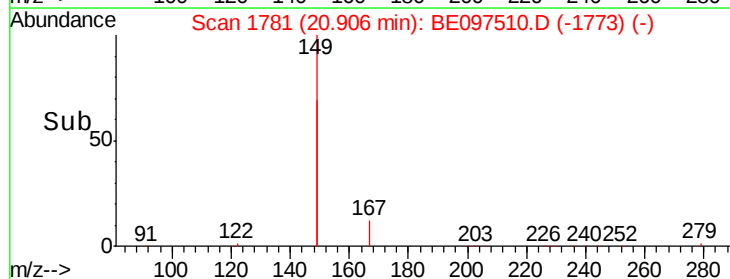
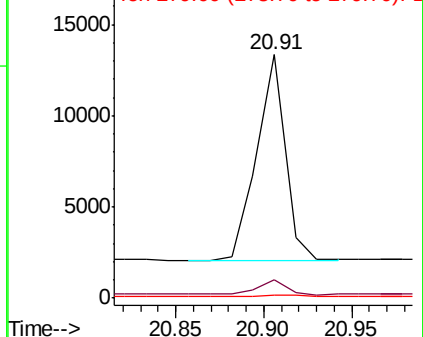
279 1.2 0.7 1.1#

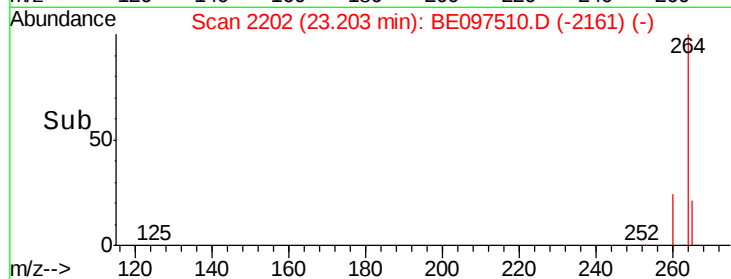
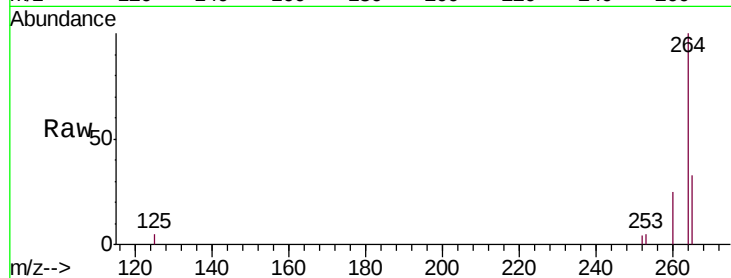
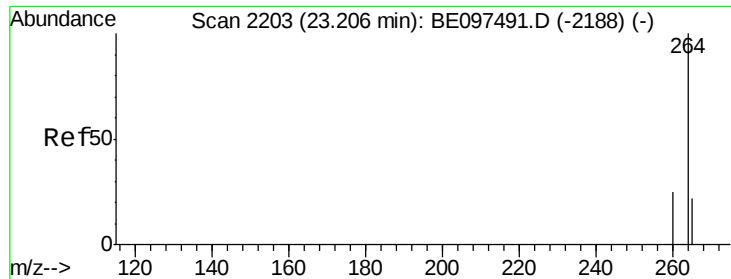


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BE097510.D

Acq: 17 Sep 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

PR-MW-01-091218

Tgt Ion:264 Resp: 9659

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 32.5 22.8 34.2

