

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE010715\  
 Data File : BE089359.D  
 Acq On : 8 Jan 2015 11:22  
 Operator : TP/IZ  
 Sample : G1011-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW3

Quant Time: Jan 08 16:00:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BASE-BE010715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 08 15:21:44 2015  
 Response via : Initial Calibration

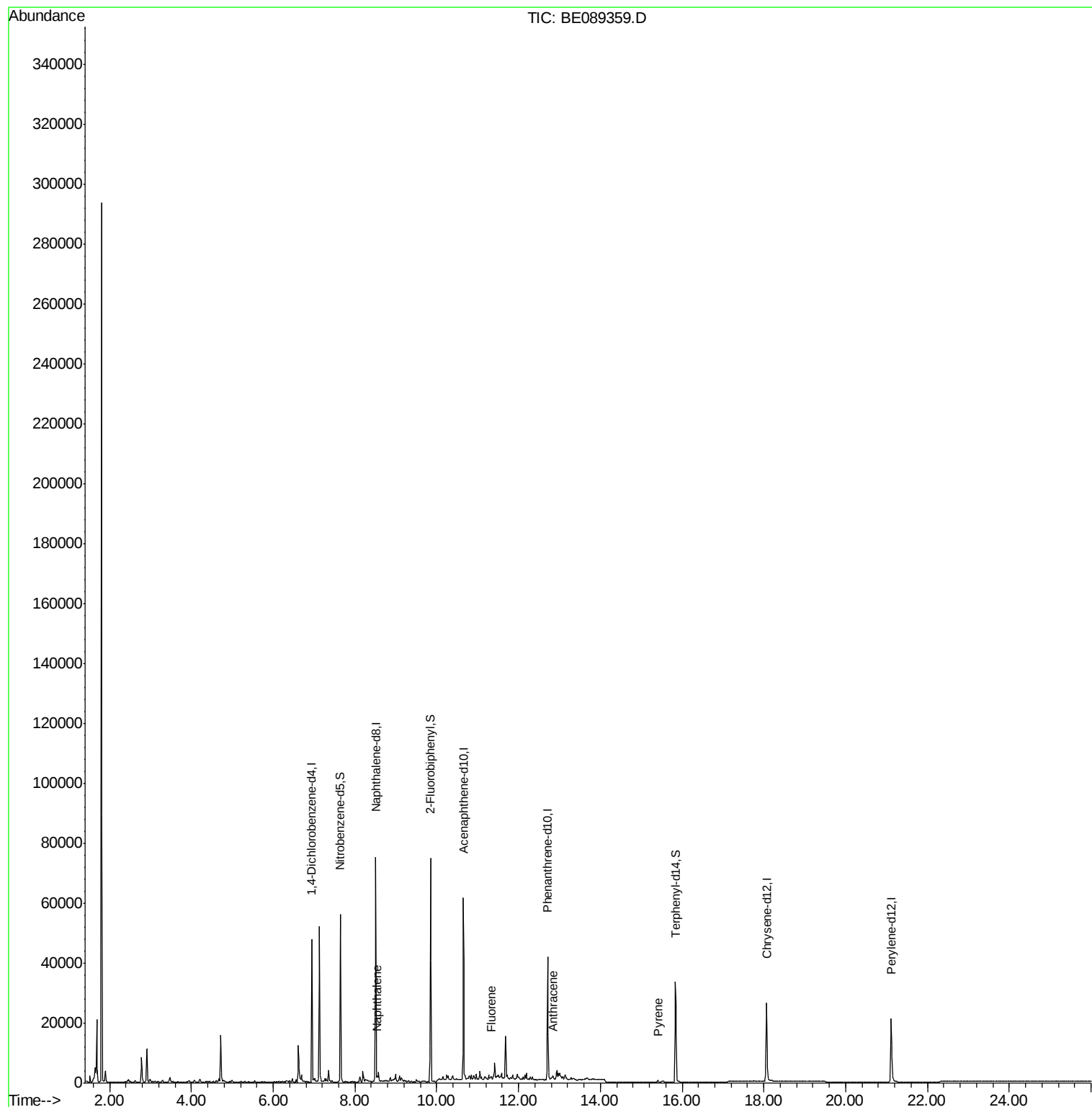
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 16072    | 5.00 | ng    | 0.00     |
| 2) Naphthalene-d8           | 8.51  | 136  | 61226    | 5.00 | ng    | 0.00     |
| 6) Acenaphthene-d10         | 10.65 | 164  | 29511    | 5.00 | ng    | 0.00     |
| 11) Phenanthrene-d10        | 12.72 | 188  | 46729    | 5.00 | ng    | 0.00     |
| 15) Chrysene-d12            | 18.06 | 240  | 34615    | 5.00 | ng    | 0.00     |
| 21) Perylene-d12            | 21.12 | 264  | 31400    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 3) Nitrobenzene-d5          | 7.65  | 82   | 28816    | 6.77 | ng    | 0.00     |
| 7) 2-Fluorobiphenyl         | 9.85  | 172  | 51869    | 6.45 | ng    | 0.00     |
| 17) Terphenyl-d14           | 15.85 | 244  | 45741    | 7.46 | ng    | 0.00     |
| Target Compounds            |       |      |          |      |       | Qvalue   |
| 4) Naphthalene              | 8.54  | 128  | 953      | 0.07 | ng    | # 1      |
| 10) Fluorene                | 11.34 | 166  | 574      | 0.07 | ng    | # 57     |
| 13) Anthracene              | 12.84 | 178  | 1156     | 0.02 | ng    | # 1      |
| 16) Pyrene                  | 15.41 | 202  | 591      | 0.05 | ng    | # 78     |

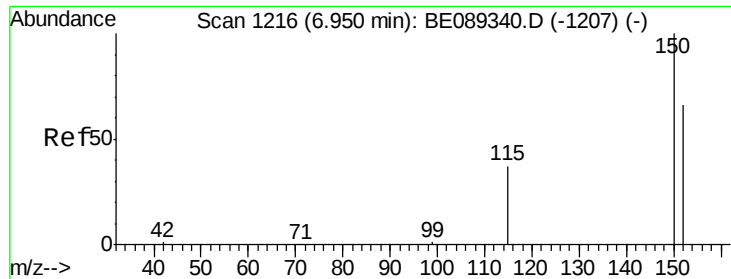
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 08 15:21:44 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

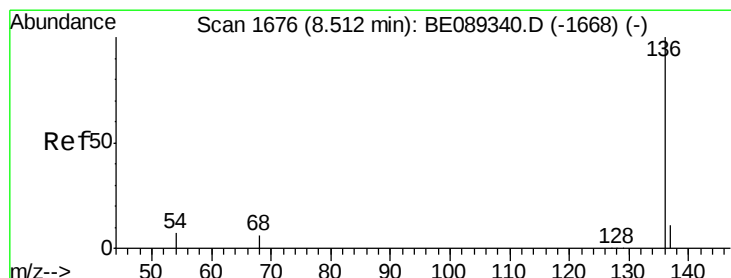
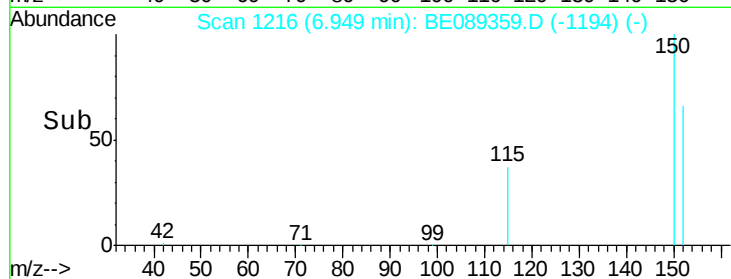
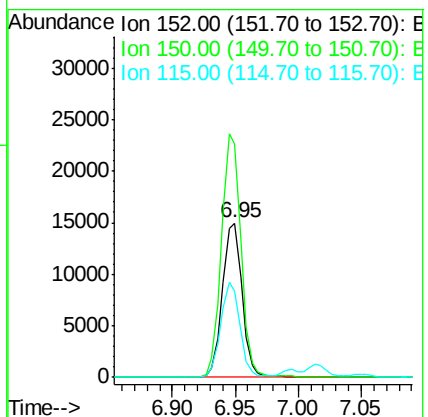
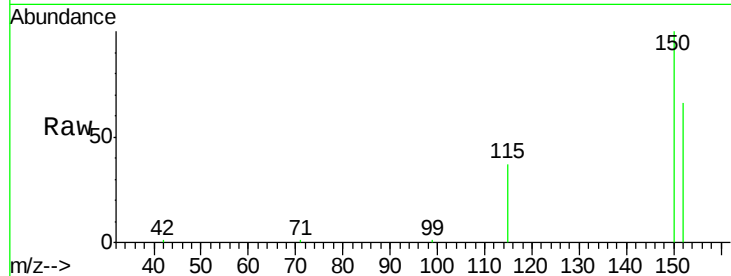
Tgt Ion:152 Resp: 16072

Ion Ratio Lower Upper

152 100

150 151.4 121.5 182.3

115 55.6 45.2 67.8



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Tgt Ion:136 Resp: 61226

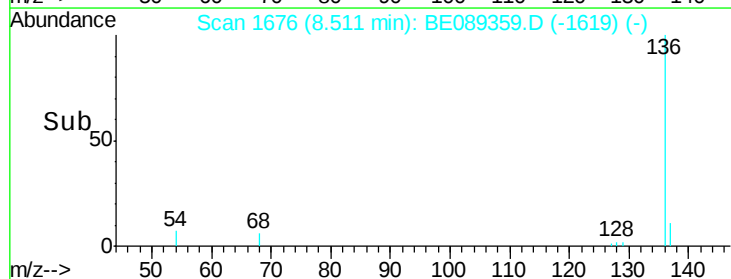
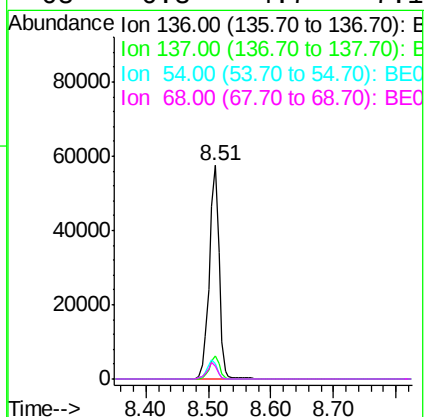
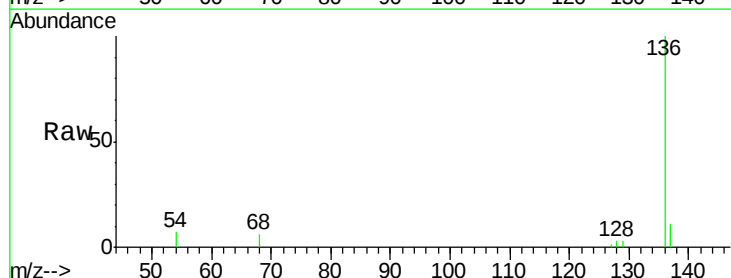
Ion Ratio Lower Upper

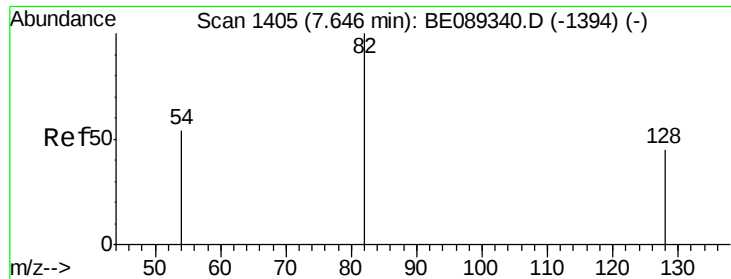
136 100

137 10.9 9.0 13.4

54 7.0 5.4 8.0

68 6.3 4.7 7.1





#3

Nitrobenzene-d5

Concen: 6.77 ng

RT: 7.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

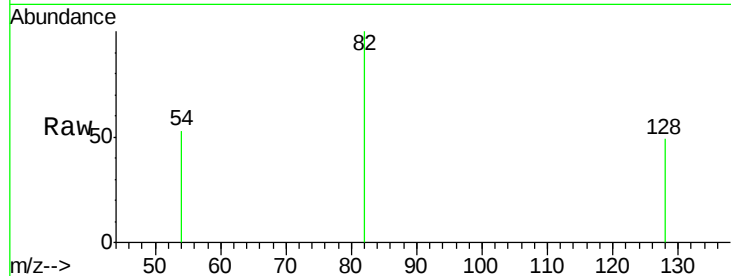
Tgt Ion: 82 Resp: 28816

Ion Ratio Lower Upper

82 100

128 48.9 36.5 54.7

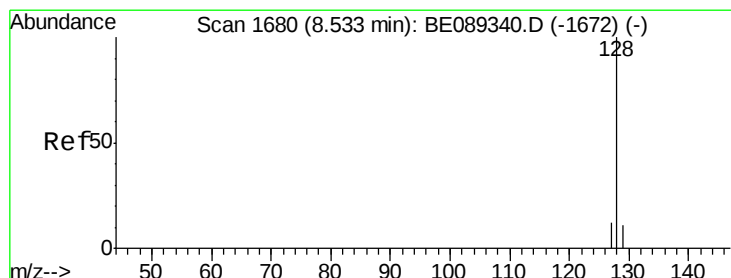
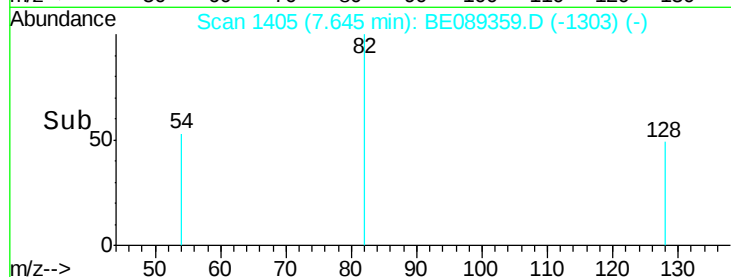
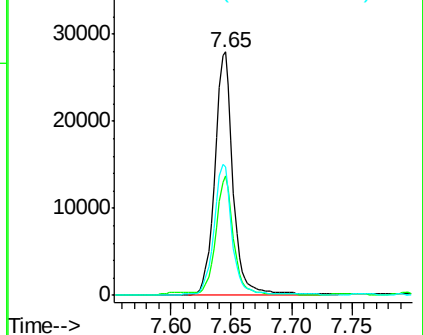
54 52.5 43.5 65.3



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



#4

Naphthalene

Concen: 0.07 ng

RT: 8.54 min Scan# 1682

Delta R.T. 0.01 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

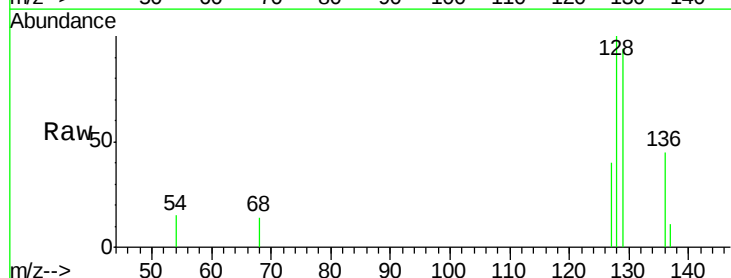
Tgt Ion: 128 Resp: 953

Ion Ratio Lower Upper

128 100

129 94.5 8.8 13.2#

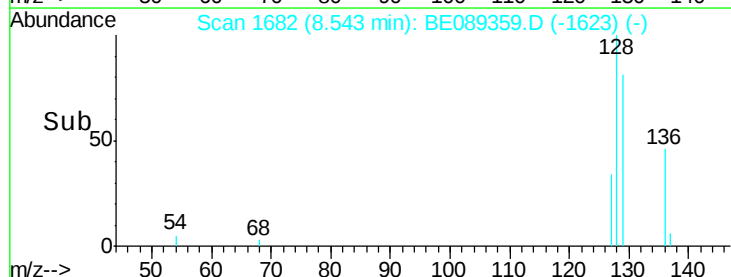
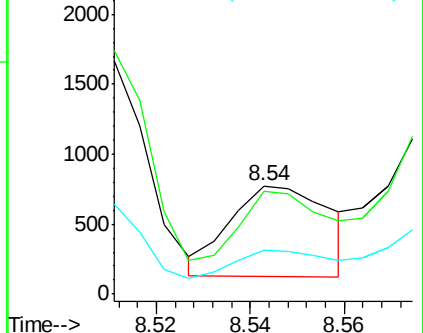
127 40.0 10.0 15.0#

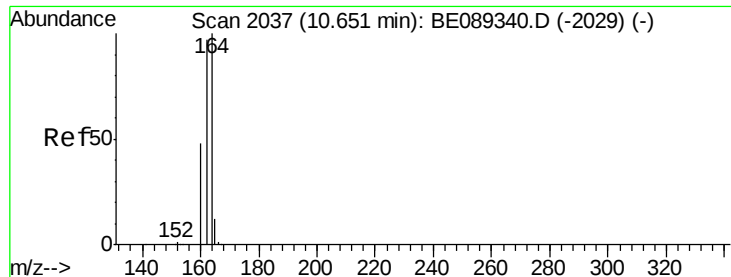


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.65 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

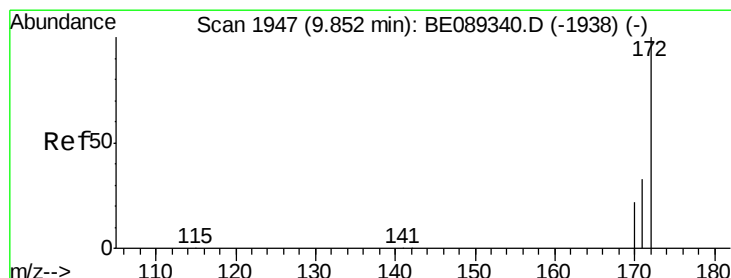
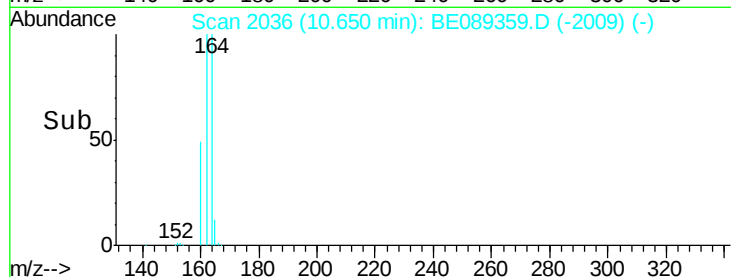
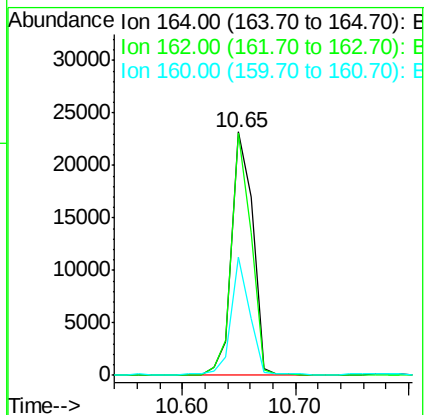
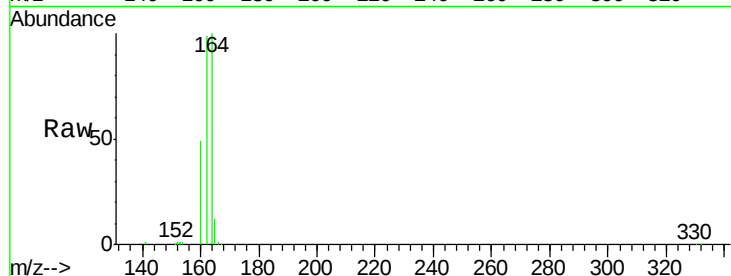
Tgt Ion:164 Resp: 29511

Ion Ratio Lower Upper

164 100

162 99.4 77.4 116.2

160 48.8 38.2 57.4



#7

2-Fluorobiphenyl

Concen: 6.45 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

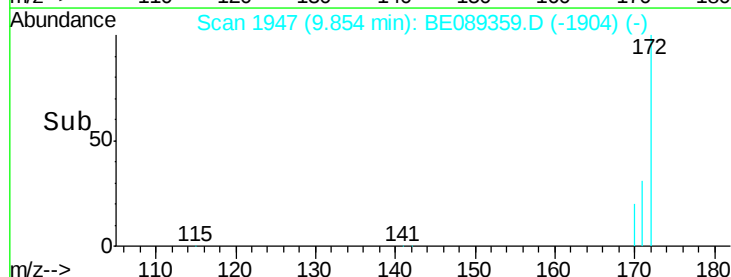
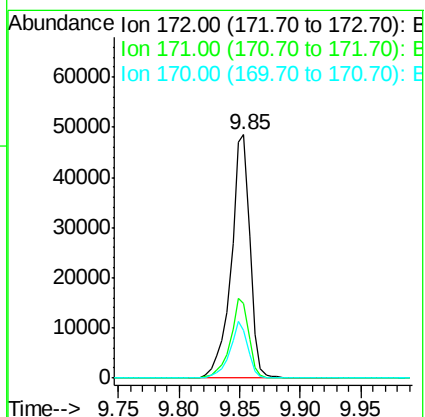
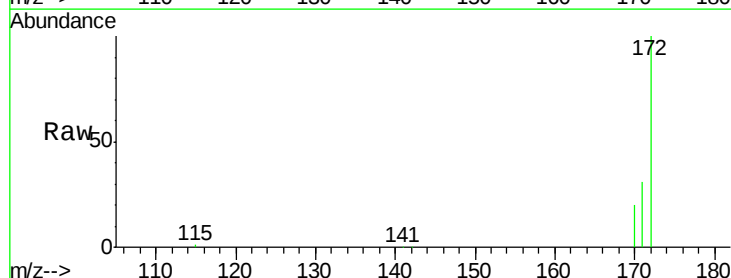
Tgt Ion:172 Resp: 51869

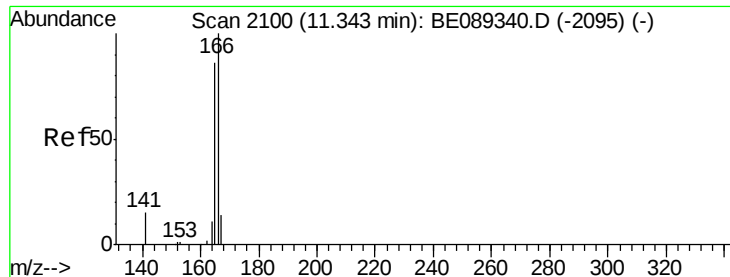
Ion Ratio Lower Upper

172 100

171 30.8 26.4 39.6

170 19.8 18.0 27.0





#10

Fluorene

Concen: 0.07 ng

RT: 11.34 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

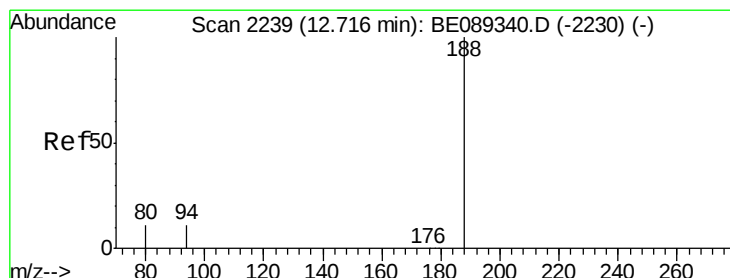
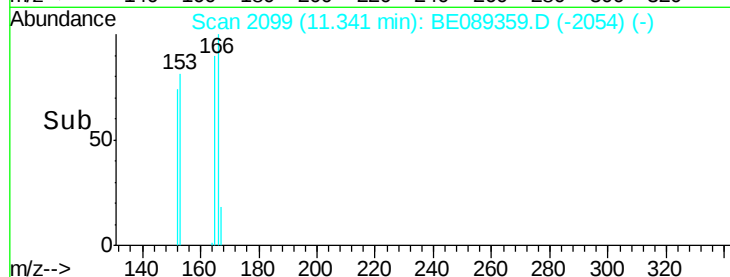
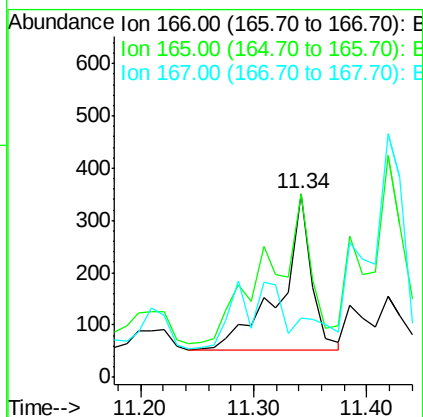
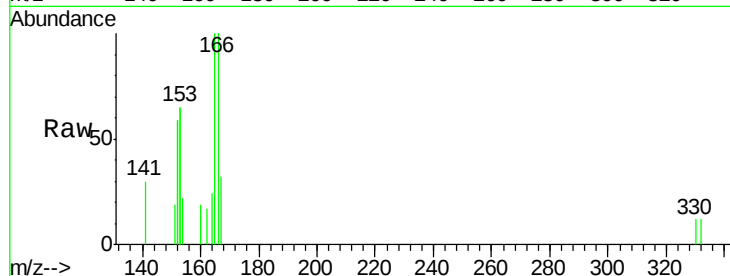
Tgt Ion:166 Resp: 574

Ion Ratio Lower Upper

166 100

165 132.4 72.1 108.1#

167 0.0 11.0 16.4#



#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

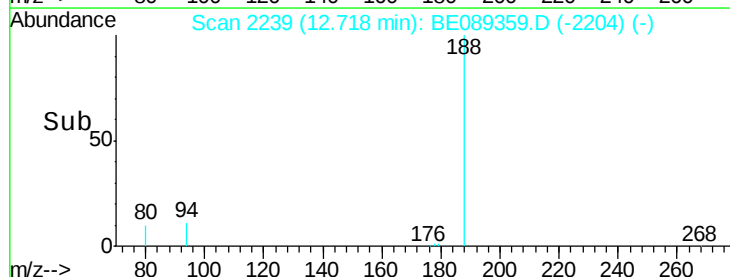
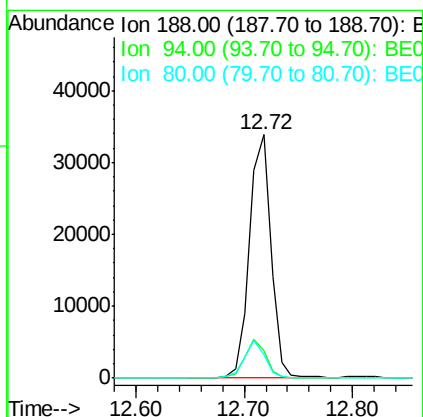
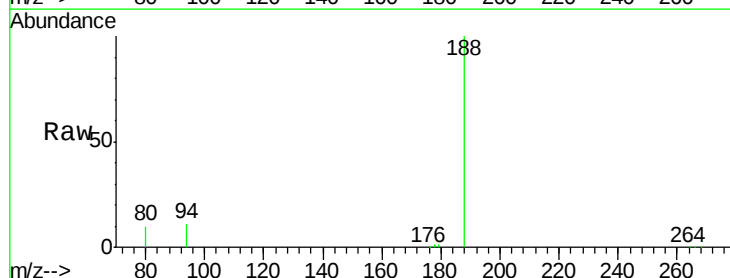
Tgt Ion:188 Resp: 46729

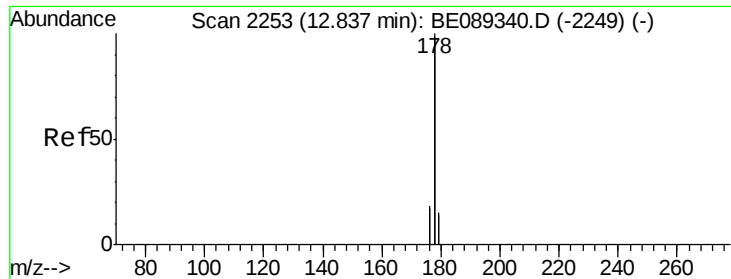
Ion Ratio Lower Upper

188 100

94 11.0 11.0 12.2

80 9.8 10.1 11.1#





#13

Anthracene

Concen: 0.02 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

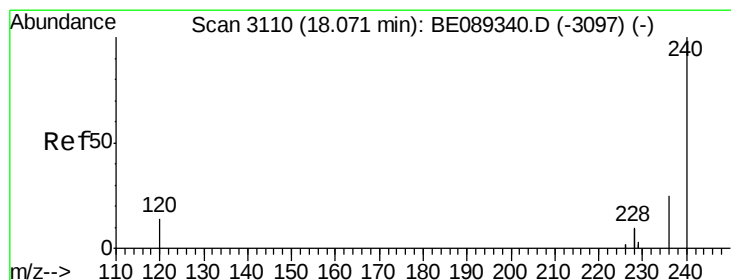
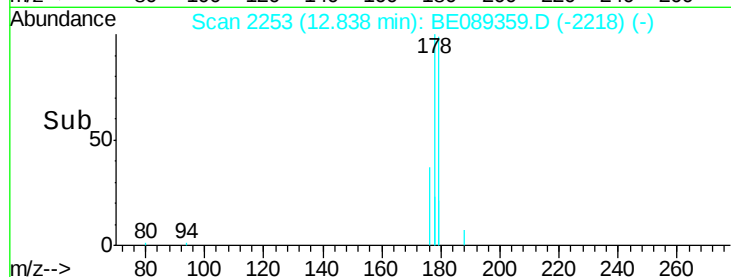
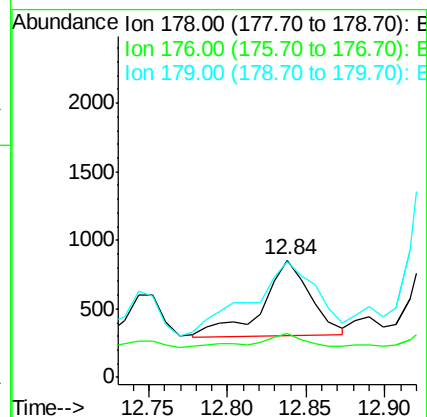
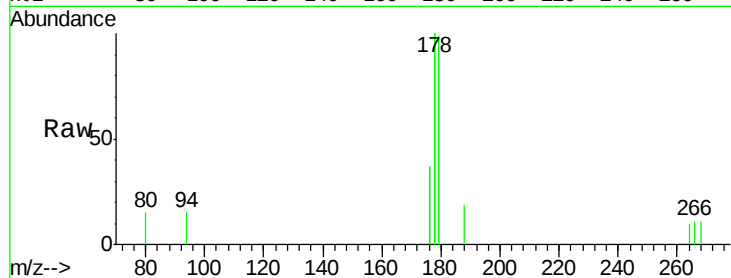
Tgt Ion:178 Resp: 1156

Ion Ratio Lower Upper

178 100

176 37.5 14.7 22.1#

179 98.6 12.0 18.0#



#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.06 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

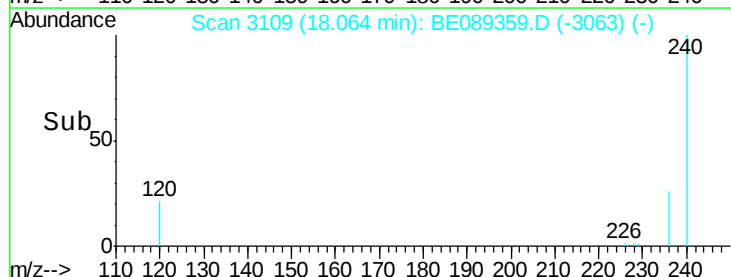
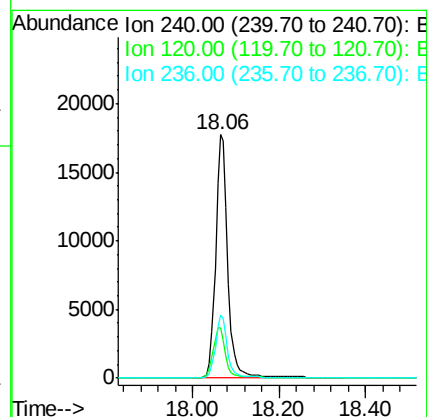
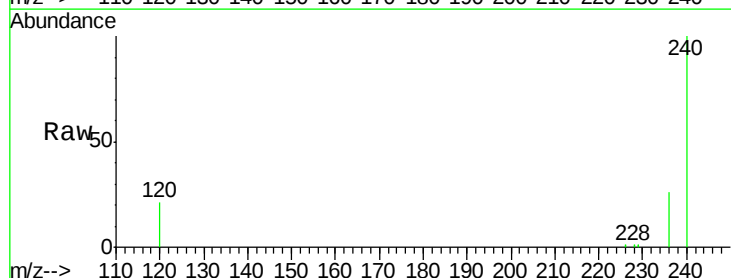
Tgt Ion:240 Resp: 34615

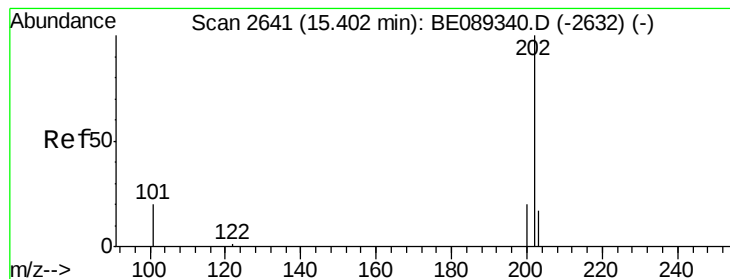
Ion Ratio Lower Upper

240 100

120 20.9 11.8 17.6#

236 25.8 20.0 30.0





#16

Pyrene

Concen: 0.05 ng

RT: 15.41 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampled :

MW3

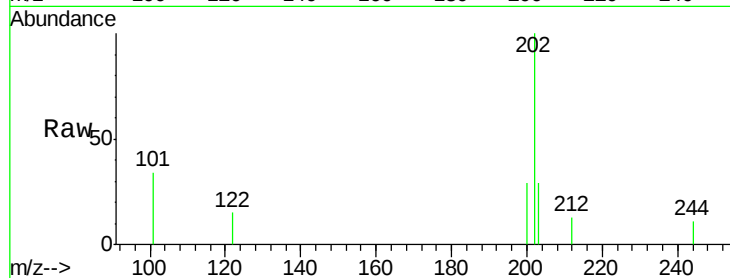
Tgt Ion:202 Resp: 591

Ion Ratio Lower Upper

202 100

200 29.4 16.8 25.2#

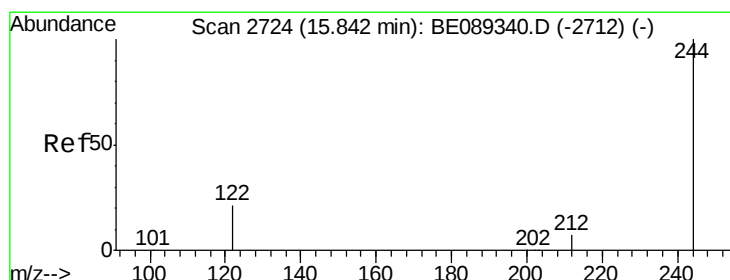
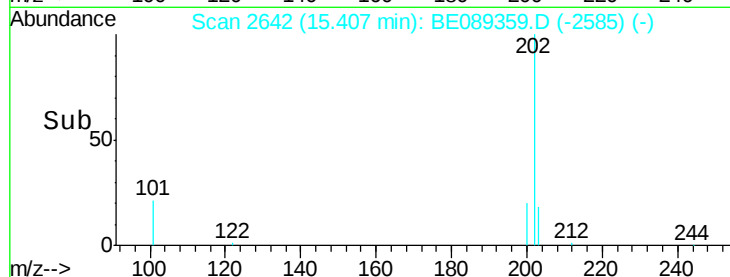
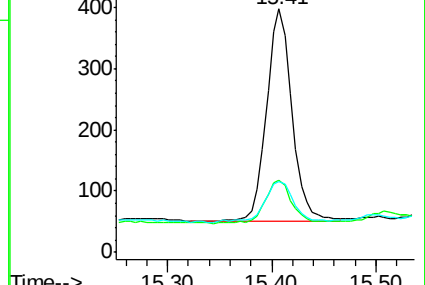
203 28.9 14.0 21.0#



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



#17

Terphenyl-d14

Concen: 7.46 ng

RT: 15.85 min Scan# 2725

Delta R.T. 0.00 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

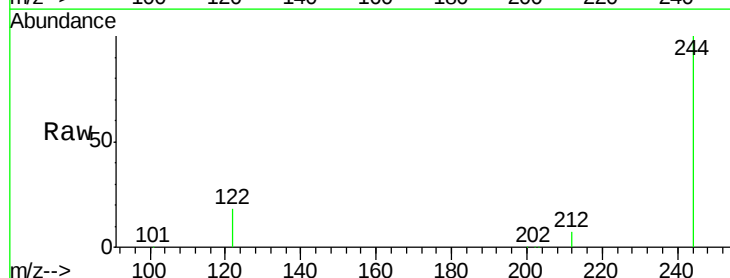
Tgt Ion:244 Resp: 45741

Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

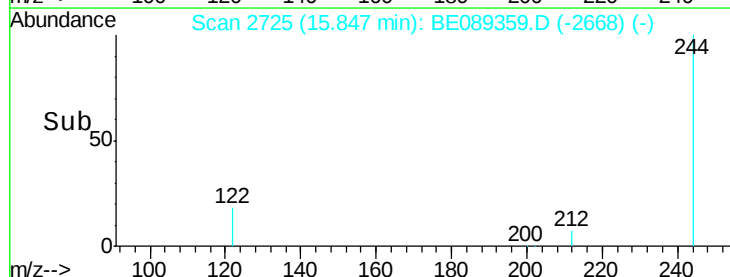
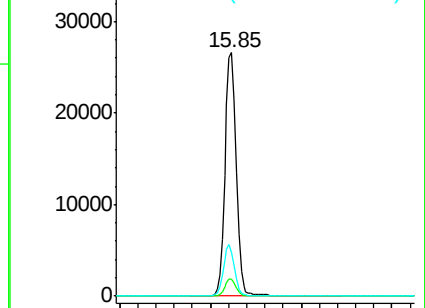
122 18.2 17.7 26.5

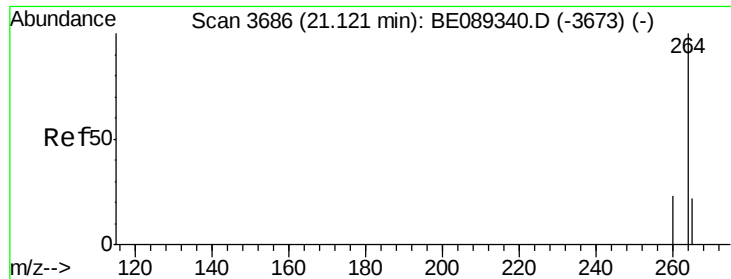


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Perylene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BE089359.D

Acq: 8 Jan 2015 11:22

Instrument :

BNA\_E

ClientSampleId :

MW3

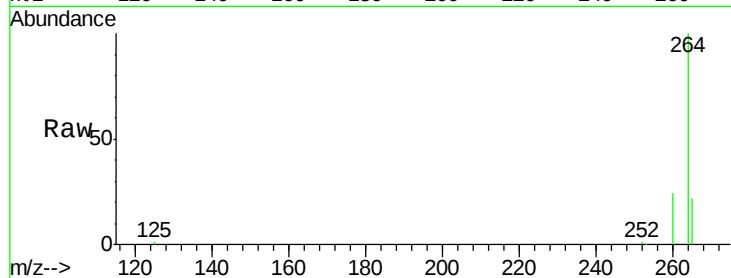
Tgt Ion: 264 Resp: 31400

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.6 17.4 26.2



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

