

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE032515\  
 Data File : BE089847.D  
 Acq On : 25 Mar 2015 21:29  
 Operator : TP/JJ  
 Sample : G1575-10  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-031715

Quant Time: Mar 26 11:40:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIMPAH-BE032415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 25 16:20:31 2015  
 Response via : Initial Calibration

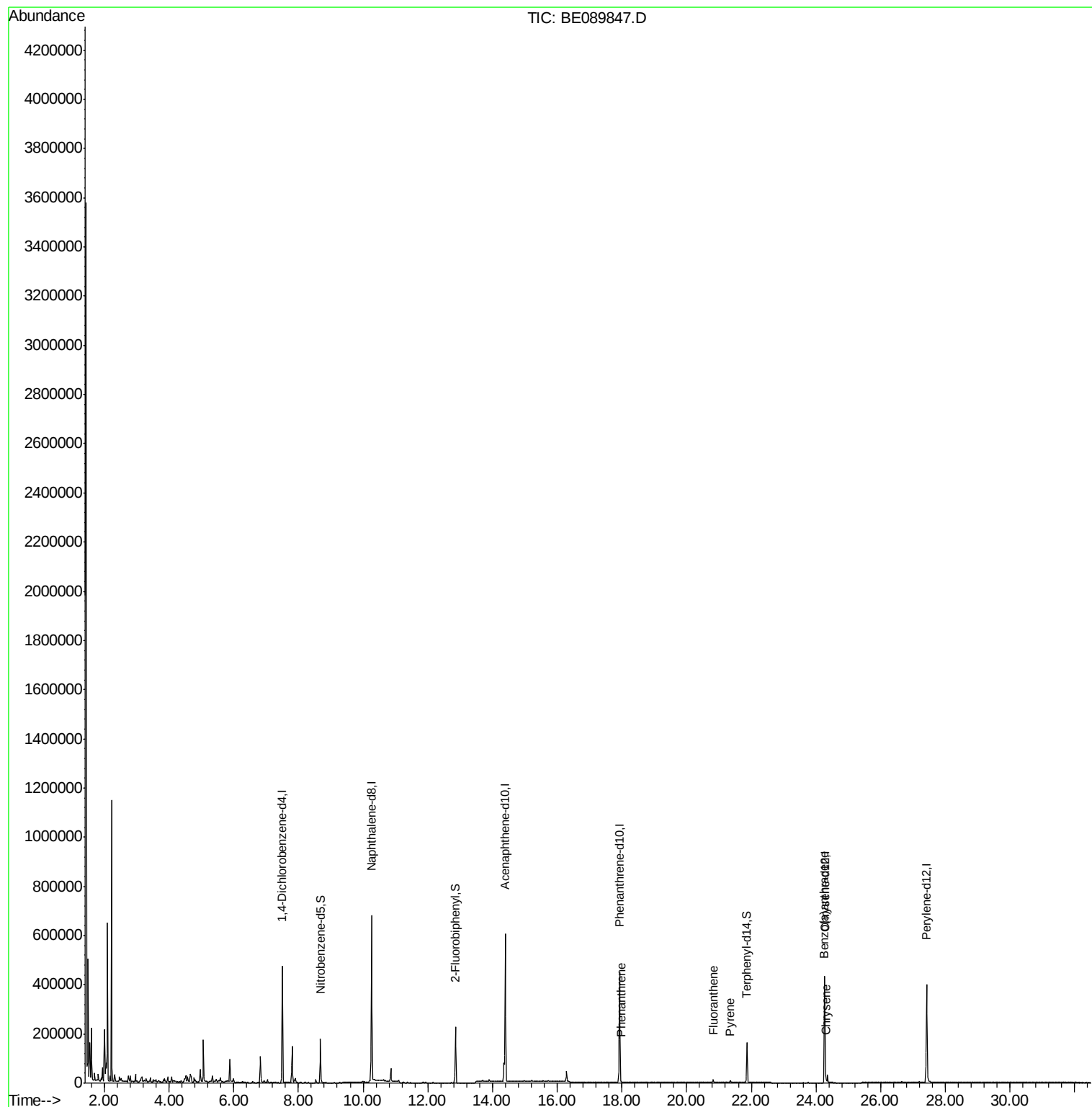
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 206596   | 5.00 | ng    | 0.00     |
| 4) Naphthalene-d8           | 10.26 | 136  | 827795   | 5.00 | ng    | 0.00     |
| 8) Acenaphthene-d10         | 14.40 | 164  | 352072   | 5.00 | ng    | 0.01     |
| 13) Phenanthrene-d10        | 17.93 | 188  | 594914   | 5.00 | ng    | 0.00     |
| 19) Chrysene-d12            | 24.27 | 240  | 553823   | 5.00 | ng    | 0.00     |
| 25) Perylene-d12            | 27.42 | 264  | 504864   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 5) Nitrobenzene-d5          | 8.68  | 82   | 143358   | 2.56 | ng    | 0.00     |
| 9) 2-Fluorobiphenyl         | 12.86 | 172  | 208710   | 2.53 | ng    | 0.00     |
| 21) Terphenyl-d14           | 21.87 | 244  | 218587   | 2.68 | ng    | 0.00     |
| Target Compounds            |       |      |          |      |       | Qvalue   |
| 16) Phenanthrene            | 17.98 | 178  | 5946     | 0.05 | ng    | 96       |
| 18) Fluoranthene            | 20.83 | 202  | 12899    | 0.11 | ng    | 97       |
| 20) Pyrene                  | 21.35 | 202  | 10449    | 0.07 | ng    | # 91     |
| 22) Benzo(a)anthracene      | 24.25 | 228  | 4903     | 0.05 | ng    | # 84     |
| 23) Chrysene                | 24.33 | 228  | 6883     | 0.06 | ng    | # 86     |

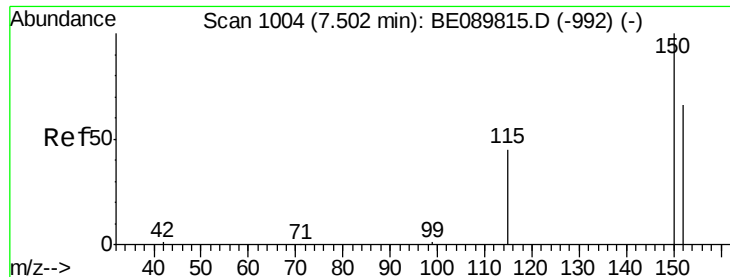
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 25 16:20:31 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

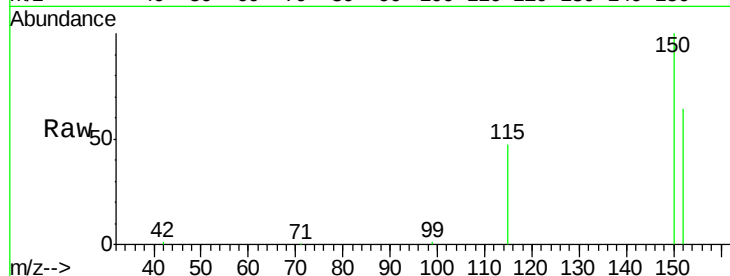
Tgt Ion:152 Resp: 206596

Ion Ratio Lower Upper

152 100

150 155.4 125.5 188.3

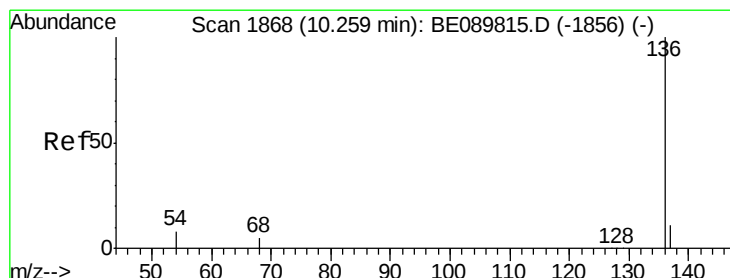
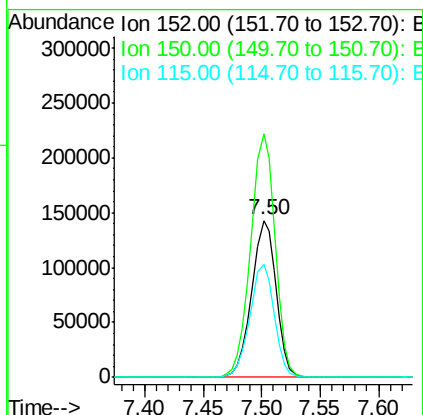
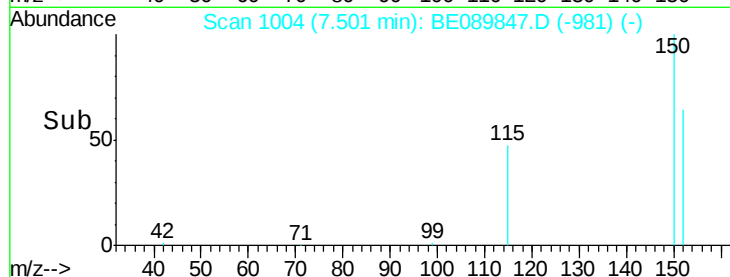
115 72.5 58.0 87.0



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

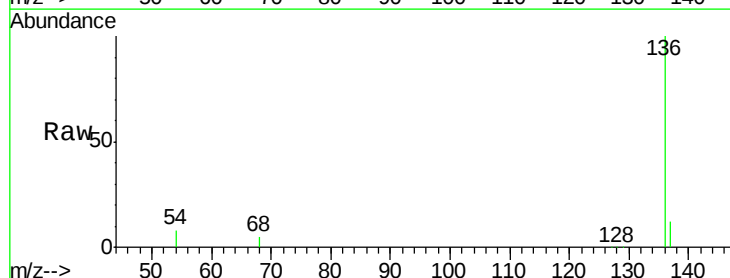
Tgt Ion:136 Resp: 827795

Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

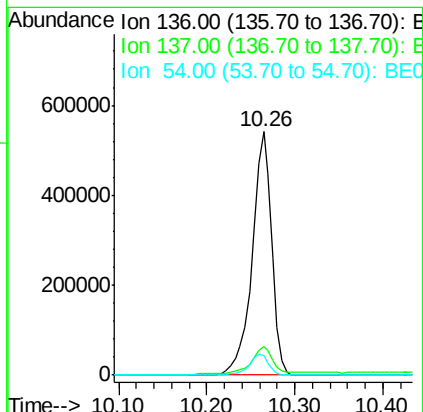
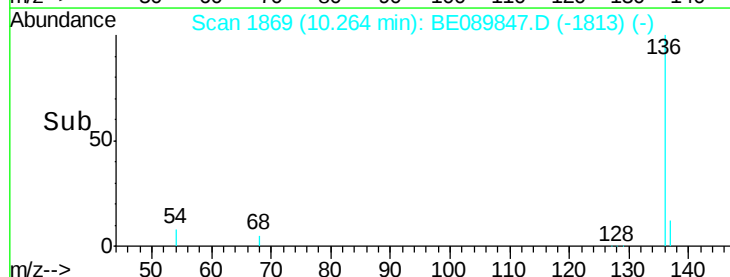
54 7.8 7.0 10.4

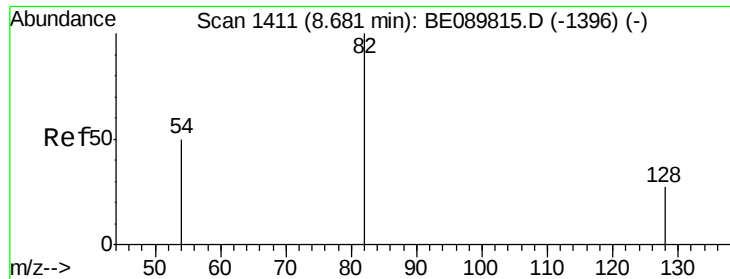


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 2.56 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

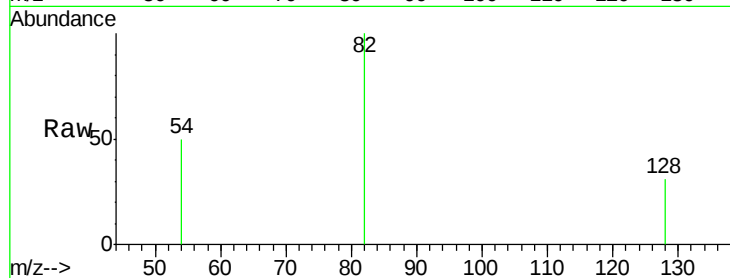
Tgt Ion: 82 Resp: 143358

Ion Ratio Lower Upper

82 100

128 31.1 24.6 37.0

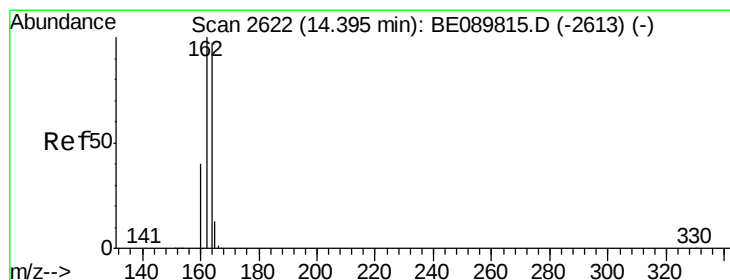
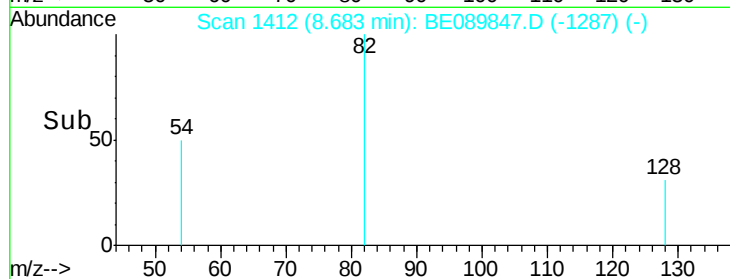
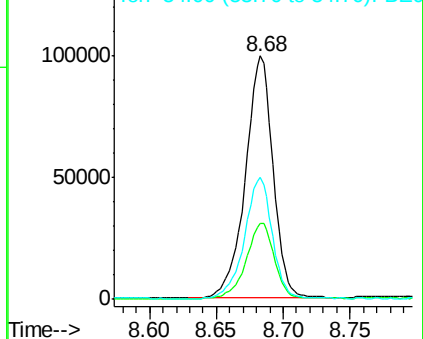
54 50.3 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089847.D (-1287) (-)

Ion 128.00 (127.70 to 128.70): BE089847.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BE089847.D (-1287) (-)



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

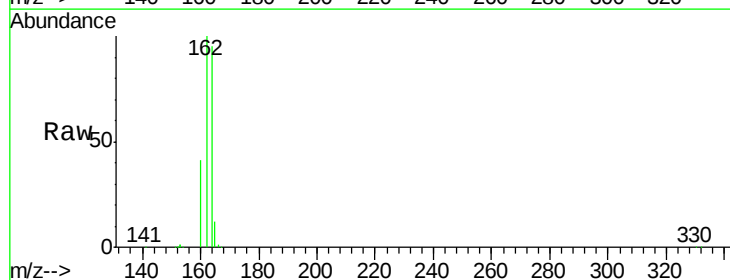
Tgt Ion: 164 Resp: 352072

Ion Ratio Lower Upper

164 100

162 105.8 87.6 131.4

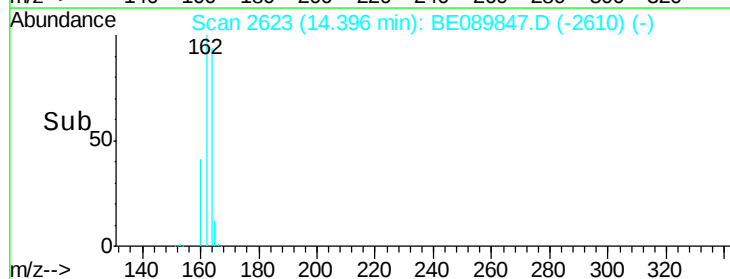
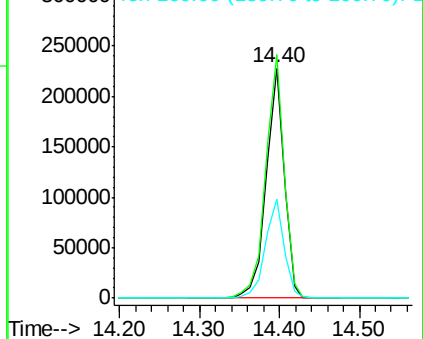
160 43.2 36.7 55.1

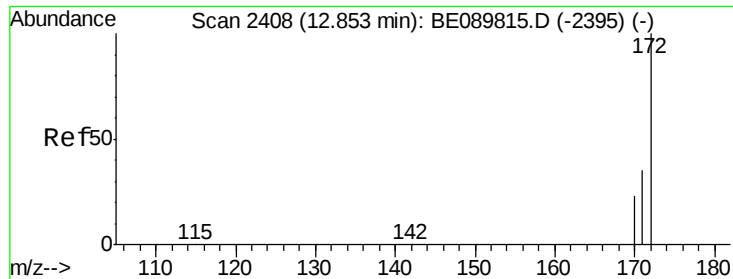


Abundance Ion 164.00 (163.70 to 164.70): BE089847.D (-2610) (-)

Ion 162.00 (161.70 to 162.70): BE089847.D (-2610) (-)

Ion 160.00 (159.70 to 160.70): BE089847.D (-2610) (-)





#9

2-Fluorobiphenyl

Concen: 2.53 ng

RT: 12.86 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

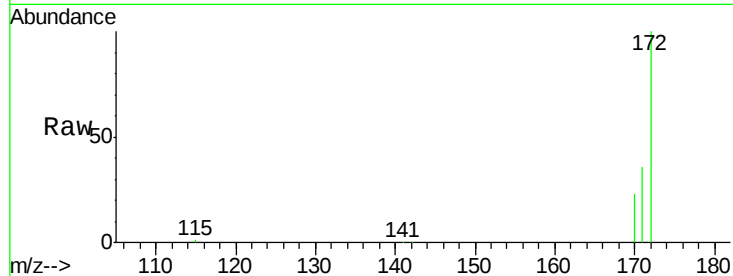
Tgt Ion:172 Resp: 208710

Ion Ratio Lower Upper

172 100

171 36.4 30.8 46.2

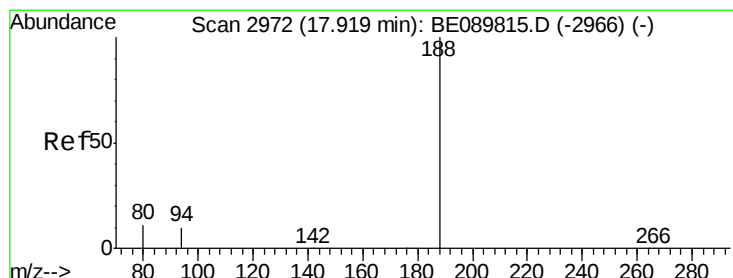
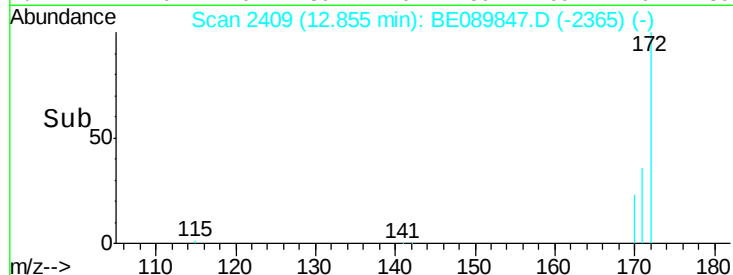
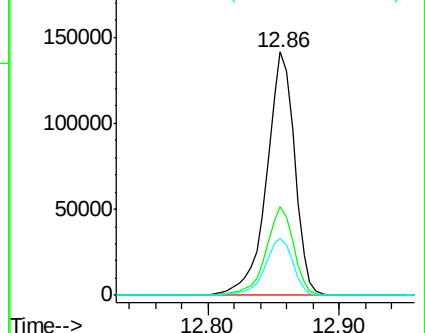
170 23.3 21.0 31.4



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



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.93 min Scan# 2974

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

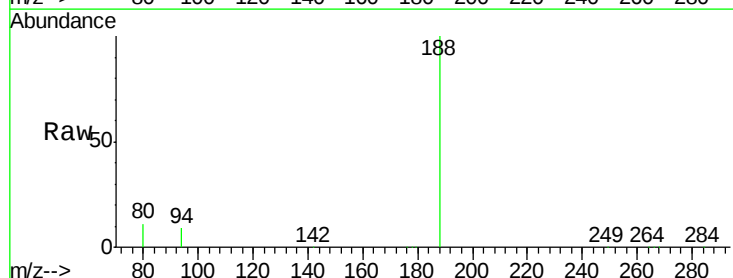
Tgt Ion:188 Resp: 594914

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

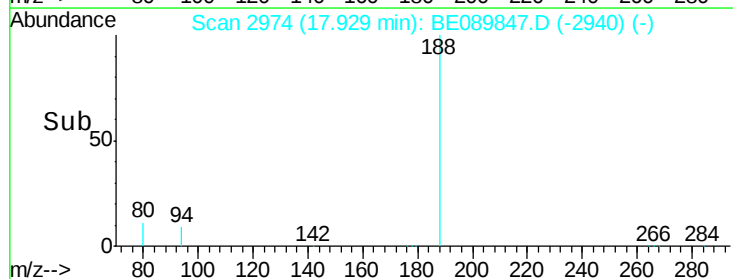
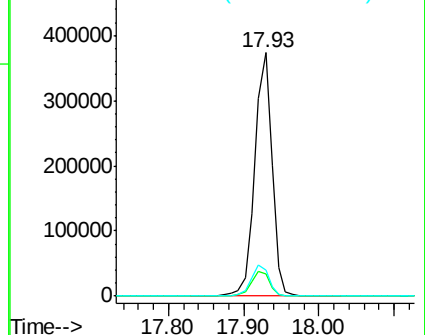
80 10.7 10.0 15.0

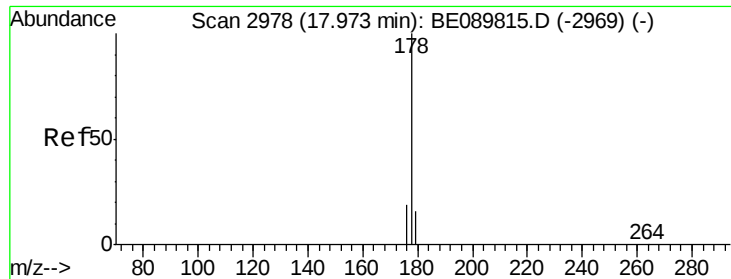


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#16

Phenanthrene

Concen: 0.05 ng

RT: 17.98 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

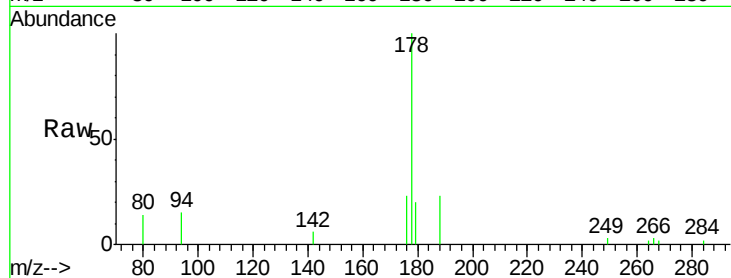
Tgt Ion:178 Resp: 5946

Ion Ratio Lower Upper

178 100

176 22.2 15.4 23.0

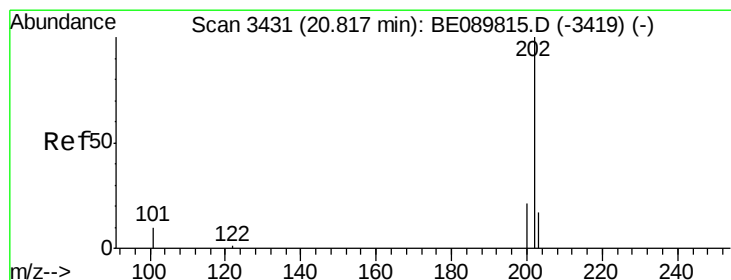
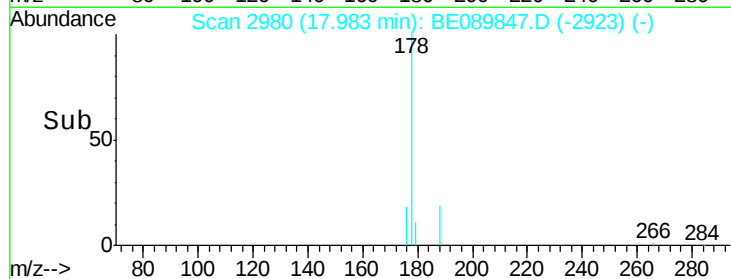
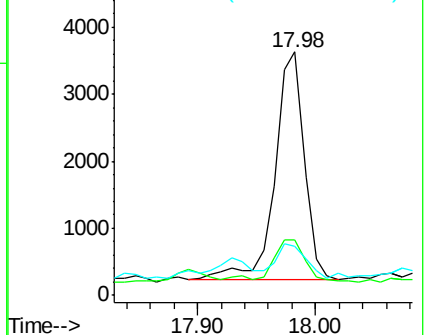
179 14.6 12.2 18.4



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



#18

Fluoranthene

Concen: 0.11 ng

RT: 20.83 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

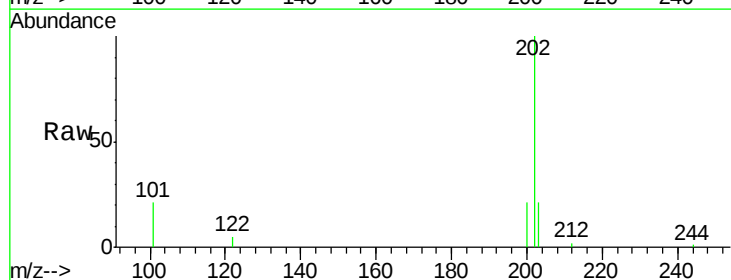
Tgt Ion:202 Resp: 12899

Ion Ratio Lower Upper

202 100

101 12.0 8.2 12.2

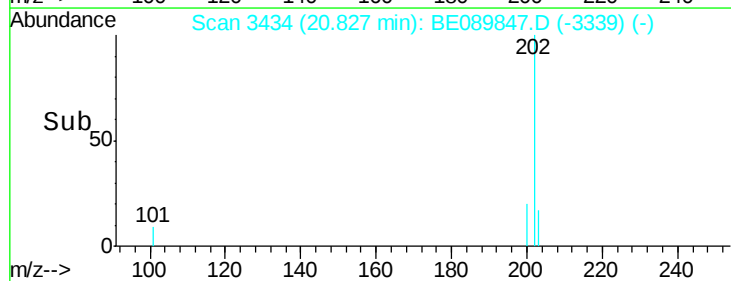
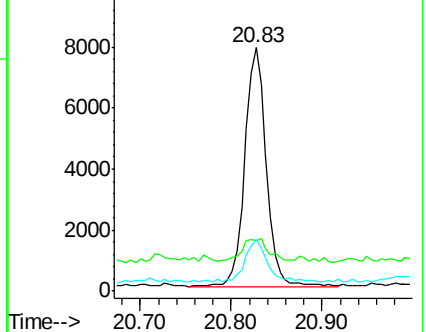
203 18.9 14.2 21.4

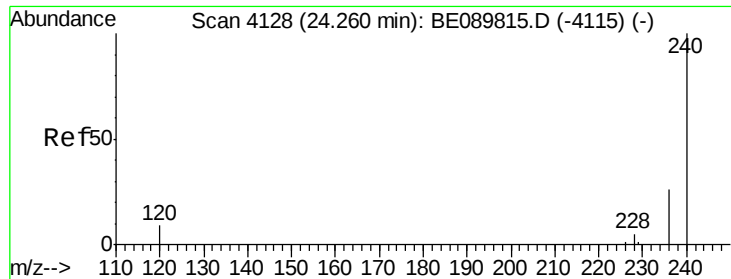


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.27 min Scan# 4131

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

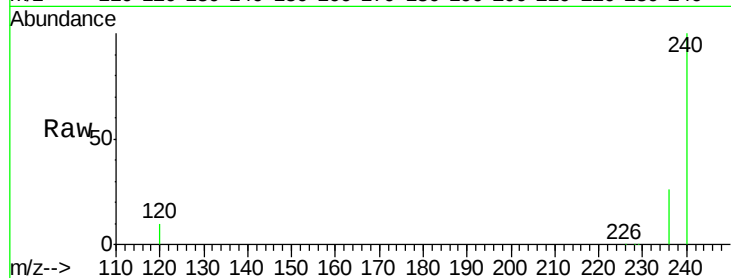
Tgt Ion:240 Resp: 553823

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

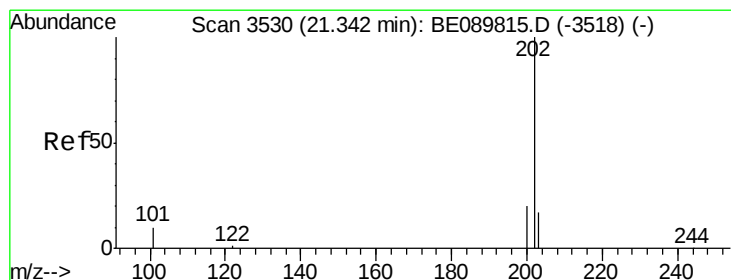
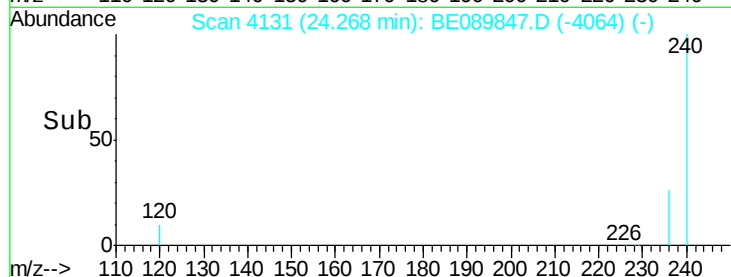
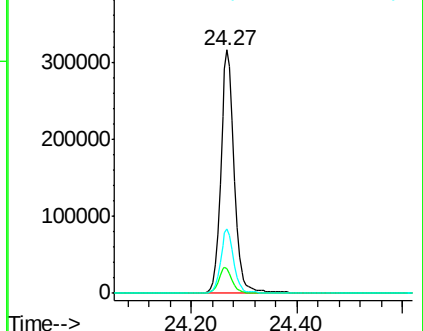
236 26.4 20.5 30.7



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



#20

Pyrene

Concen: 0.07 ng

RT: 21.35 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

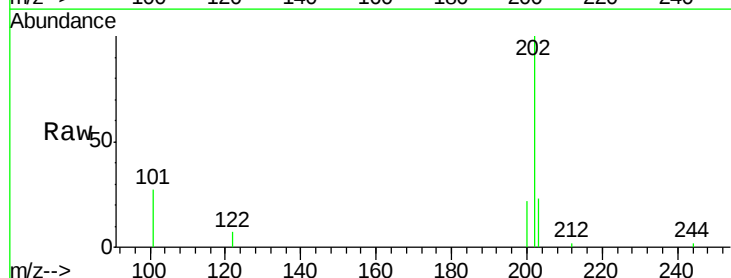
Tgt Ion:202 Resp: 10449

Ion Ratio Lower Upper

202 100

200 22.7 15.9 23.9

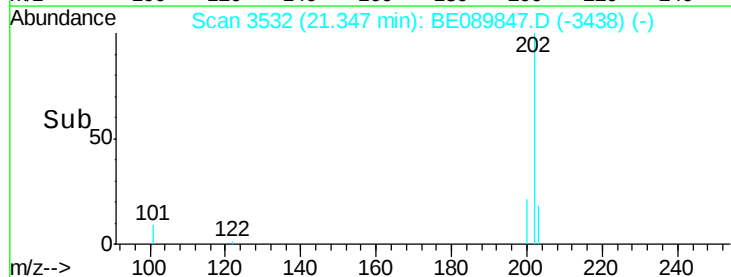
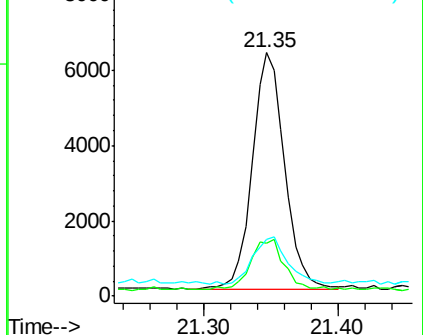
203 22.5 13.6 20.4#

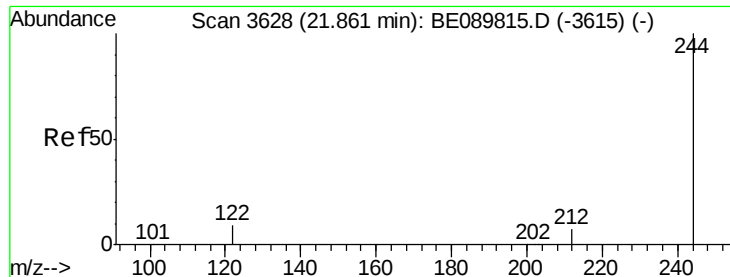


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 2.68 ng

RT: 21.87 min Scan# 3630

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

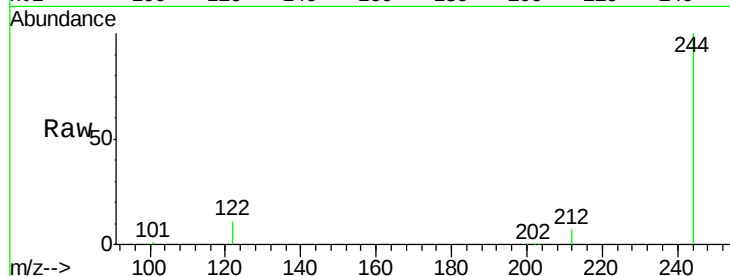
Tgt Ion:244 Resp: 218587

Ion Ratio Lower Upper

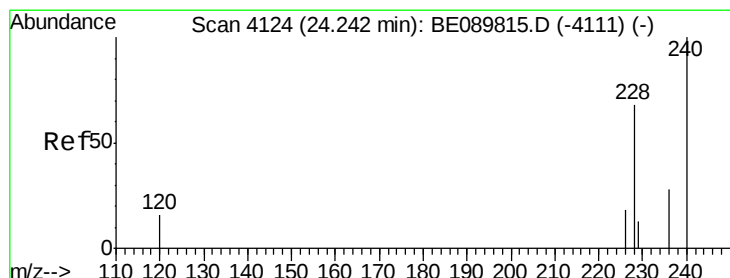
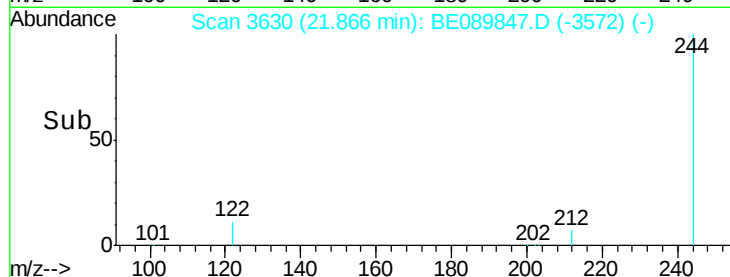
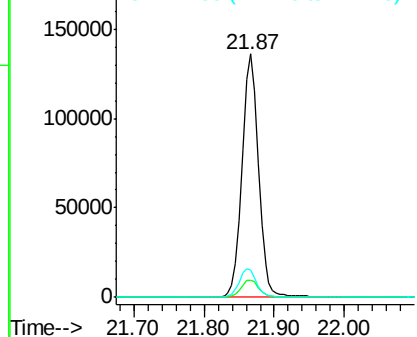
244 100

212 7.2 7.3 10.9#

122 11.3 10.5 15.7



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



#22

Benzo(a)anthracene

Concen: 0.05 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

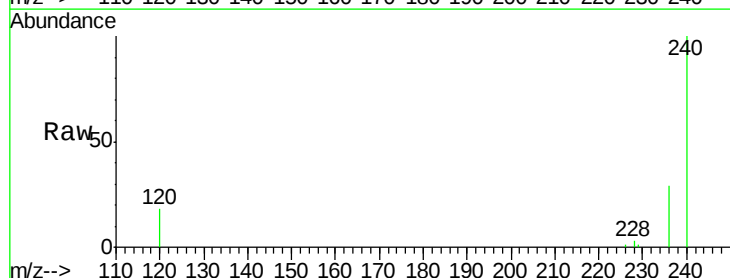
Tgt Ion:228 Resp: 4903

Ion Ratio Lower Upper

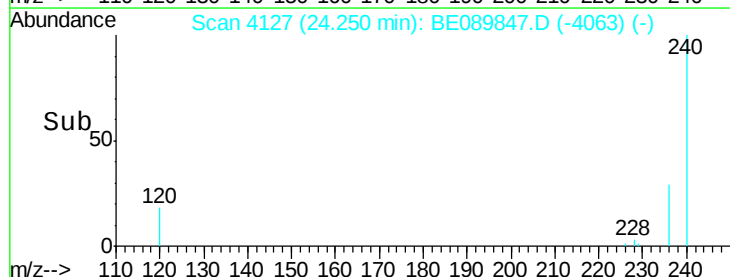
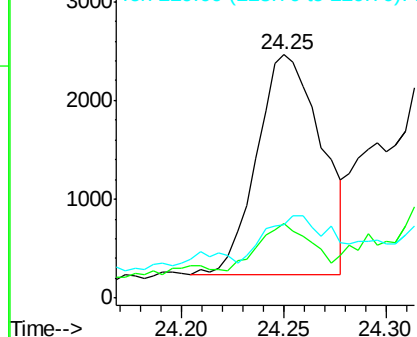
228 100

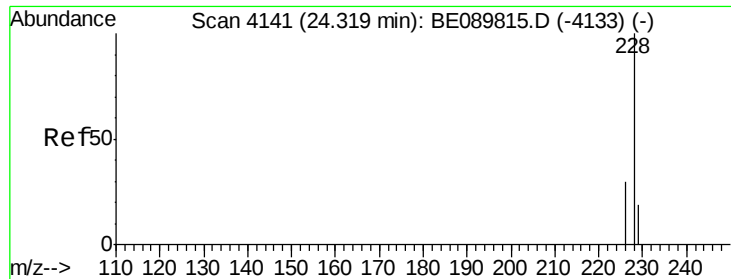
226 30.5 19.8 29.8#

229 30.0 16.3 24.5#



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





#23

Chrysene

Concen: 0.06 ng

RT: 24.33 min Scan# 4144

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA\_E

ClientSampleId :

DUP-031715

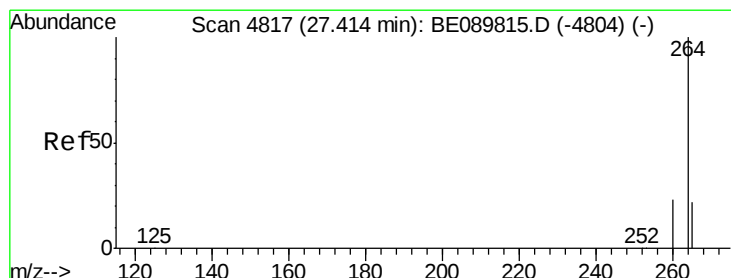
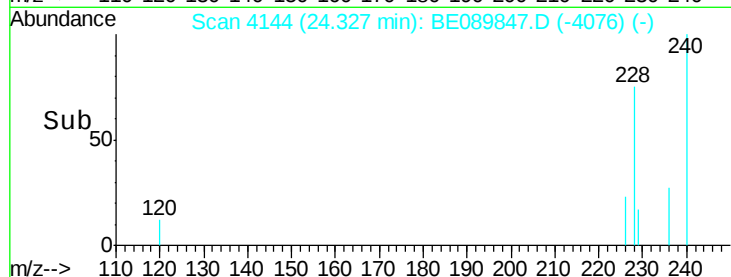
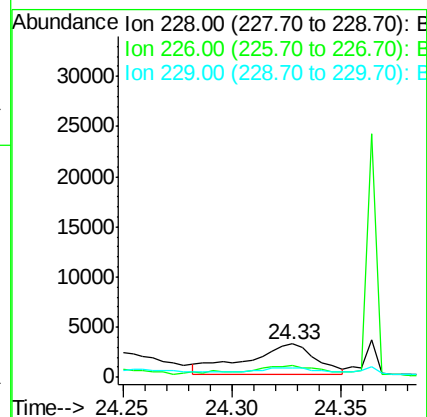
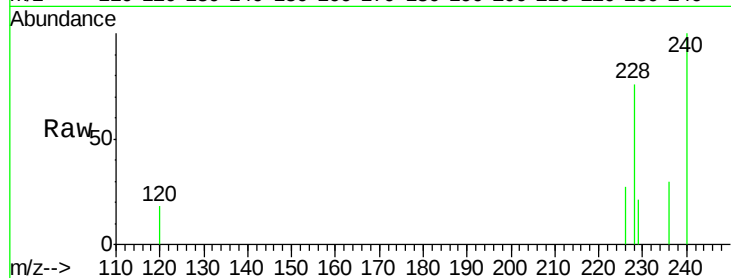
Tgt Ion:228 Resp: 6883

Ion Ratio Lower Upper

228 100

226 35.0 23.0 34.4#

229 27.7 15.8 23.6#



#25

Perylene-d12

Concen: 5.00 ng

RT: 27.42 min Scan# 4820

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Tgt Ion:264 Resp: 504864

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 21.9 17.3 25.9

