

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080316\  
 Data File : BE092167.D  
 Acq On : 4 Aug 2016 4:56  
 Operator : UM/SJ  
 Sample : H4242-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 GW-49-10.75-15.0

Quant Time: Aug 04 06:09:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-PAH-BE080216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 02 16:59:37 2016  
 Response via : Initial Calibration

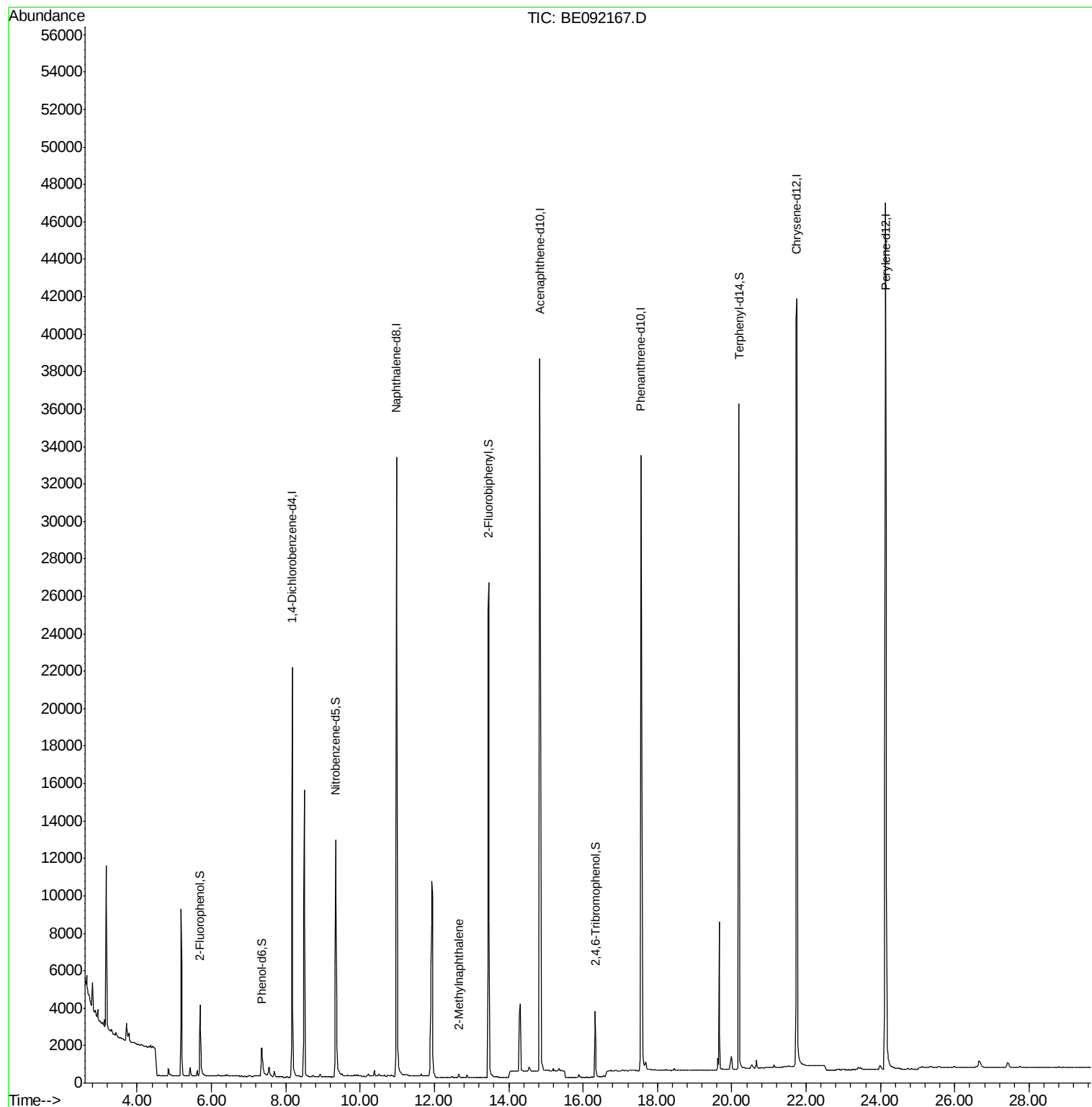
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 11536    | 5.00 | ng    | 0.00           |
| 6) Naphthalene-d8           | 10.98 | 136  | 50600    | 5.00 | ng    | -0.01          |
| 10) Acenaphthene-d10        | 14.83 | 164  | 26117    | 5.00 | ng    | -0.02          |
| 16) Phenanthrene-d10        | 17.56 | 188  | 54637    | 5.00 | ng    | -0.02          |
| 22) Chrysene-d12            | 21.75 | 240  | 63381    | 5.00 | ng    | 0.00           |
| 28) Perylene-d12            | 24.14 | 264  | 69954    | 5.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |      |       |                |
| 4) 2-Fluorophenol           | 5.70  | 112  | 3747     | 1.26 | ng    | 0.00           |
| 5) Phenol-d6                | 7.36  | 99   | 2934     | 0.74 | ng    | 0.01           |
| 7) Nitrobenzene-d5          | 9.34  | 82   | 13525    | 3.39 | ng    | -0.01          |
| 11) 2,4,6-Tribromophenol    | 16.33 | 330  | 2516     | 2.97 | ng    | 0.00           |
| 12) 2-Fluorobiphenyl        | 13.46 | 172  | 30114    | 3.64 | ng    | 0.00           |
| 24) Terphenyl-d14           | 20.19 | 244  | 41182    | 4.52 | ng    | -0.02          |
| Target Compounds            |       |      |          |      |       |                |
| 9) 2-Methylnaphthalene      | 12.65 | 142  | 171      | 0.04 | ng    | Qvalue<br># 72 |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0

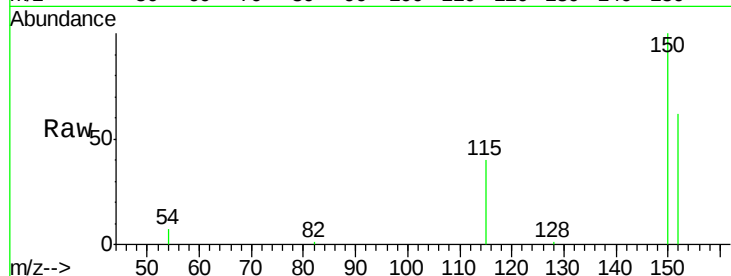
Tgt Ion:152 Resp: 11536

Ion Ratio Lower Upper

152 100

150 161.6 106.0 159.0#

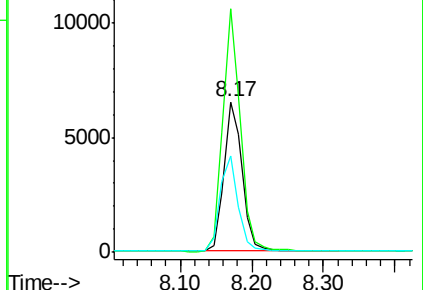
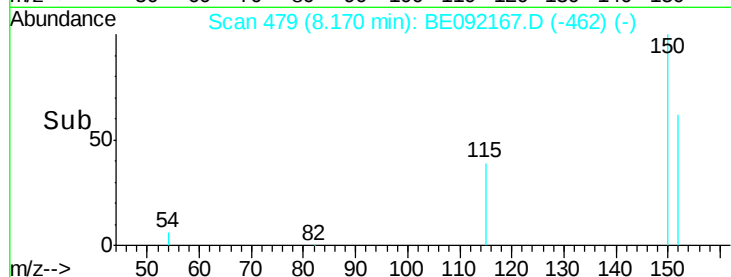
115 64.0 36.9 55.3#



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: 1.26 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

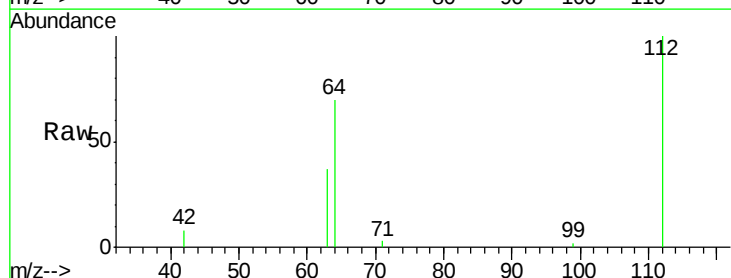
Tgt Ion:112 Resp: 3747

Ion Ratio Lower Upper

112 100

64 66.7 55.9 83.9

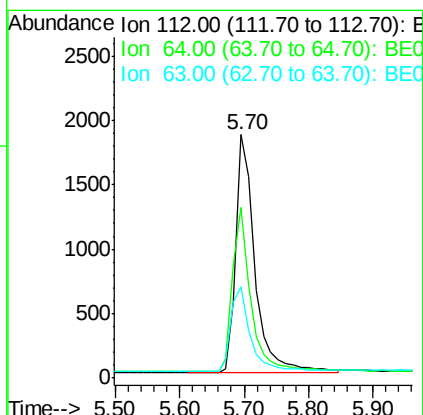
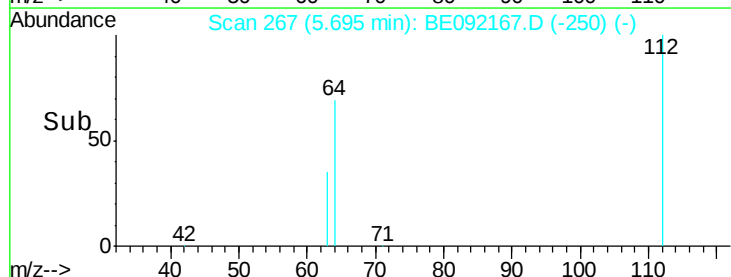
63 36.4 31.1 46.7

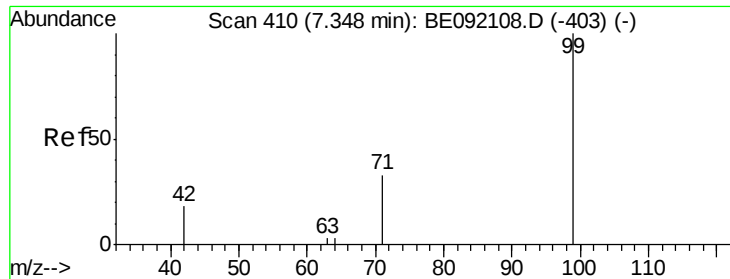


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.74 ng

RT: 7.36 min Scan# 411

Delta R.T. 0.01 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0

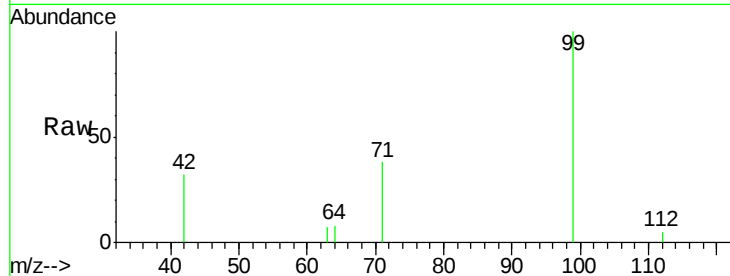
Tgt Ion: 99 Resp: 2934

Ion Ratio Lower Upper

99 100

42 23.2 22.4 33.6

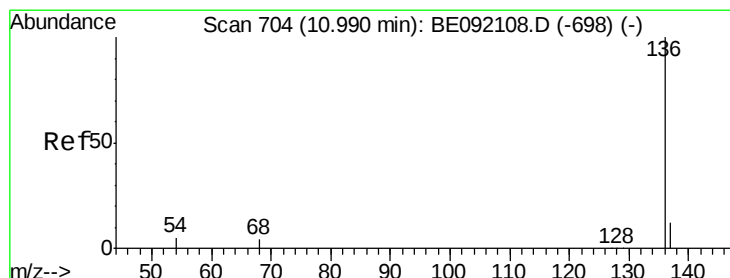
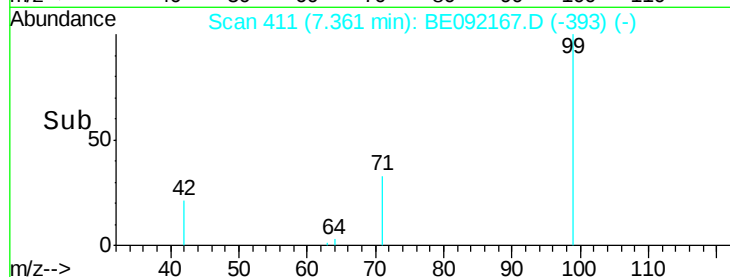
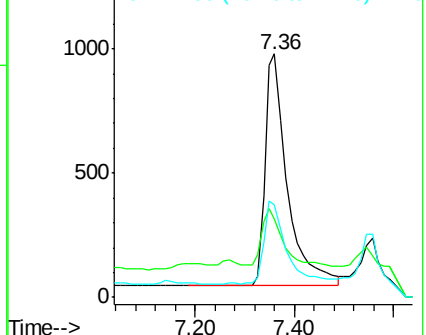
71 37.2 28.9 43.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Tgt Ion: 136 Resp: 50600

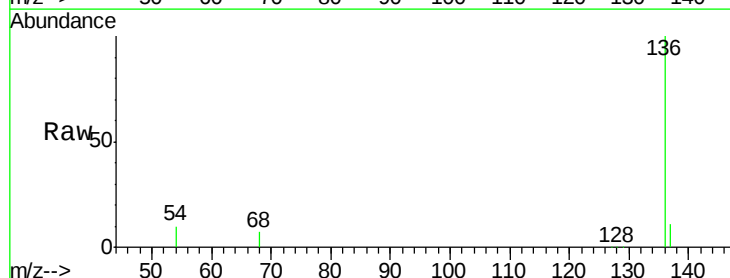
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.8 2.7 4.1#

68 7.0 2.2 3.4#

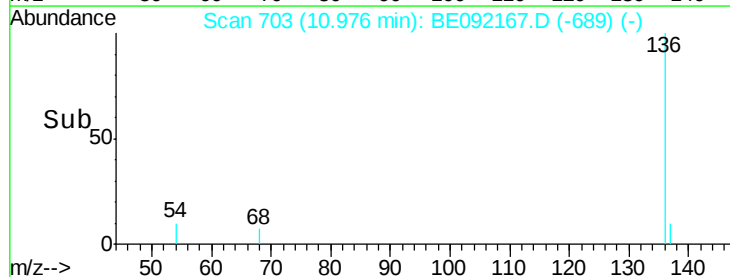
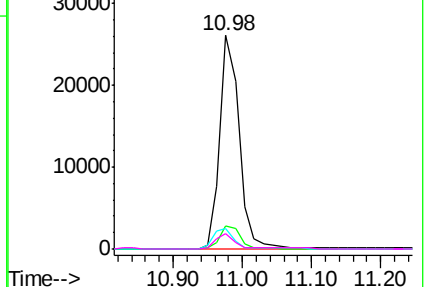


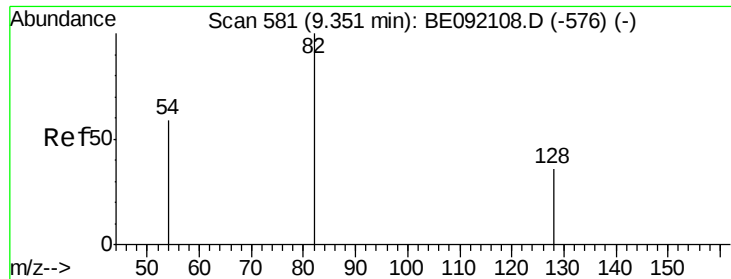
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.39 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0

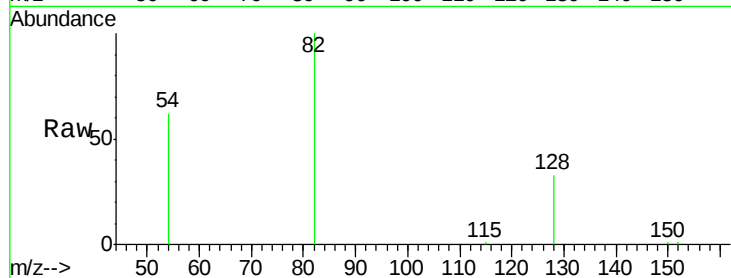
Tgt Ion: 82 Resp: 13525

Ion Ratio Lower Upper

82 100

128 33.0 33.0 49.4

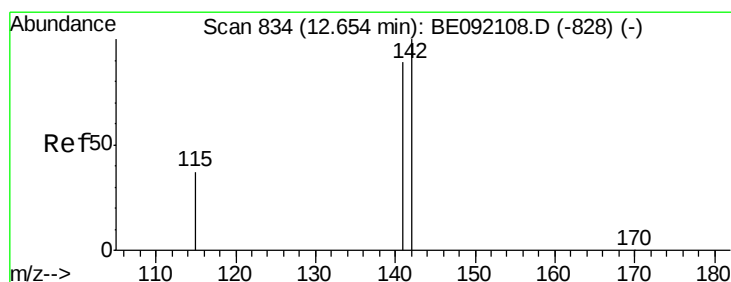
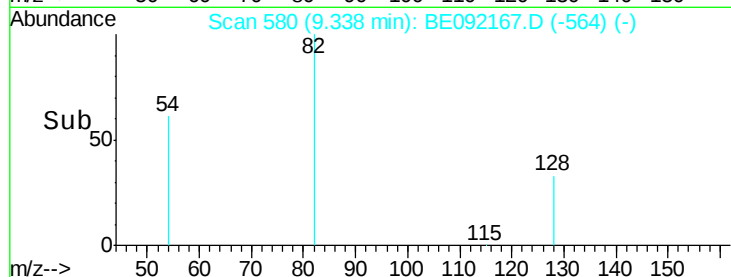
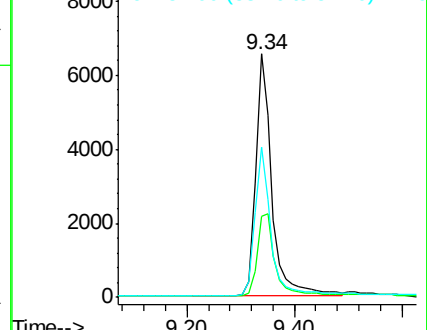
54 61.9 42.6 63.8



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

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

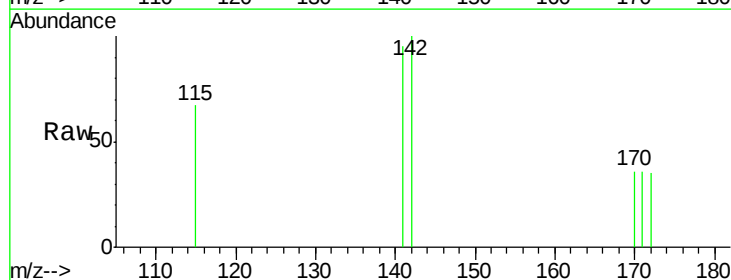
Tgt Ion: 142 Resp: 171

Ion Ratio Lower Upper

142 100

141 94.6 65.1 97.7

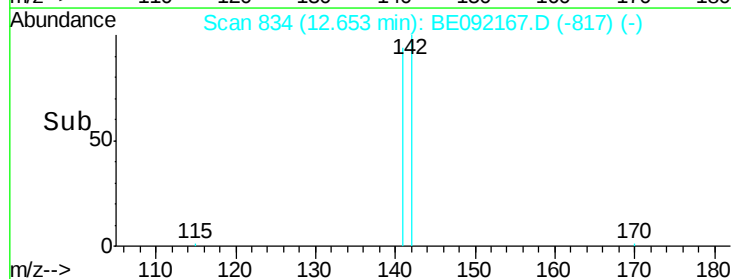
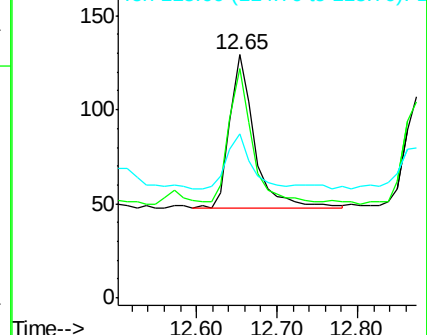
115 67.4 27.0 40.4#

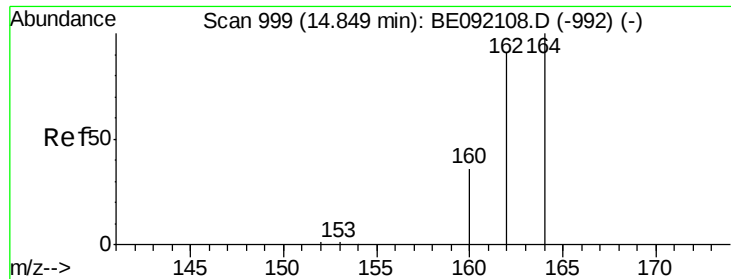


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0

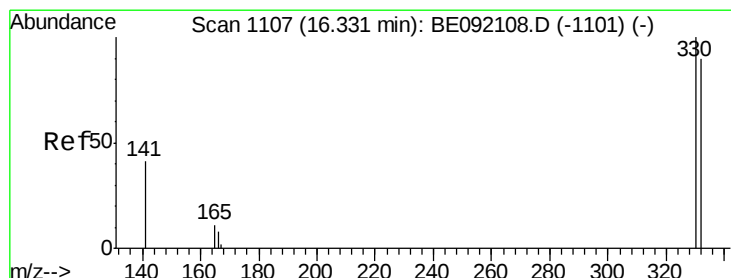
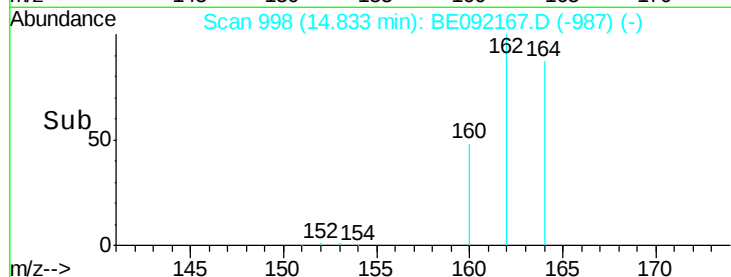
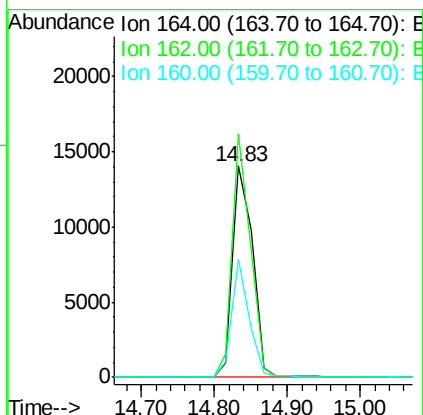
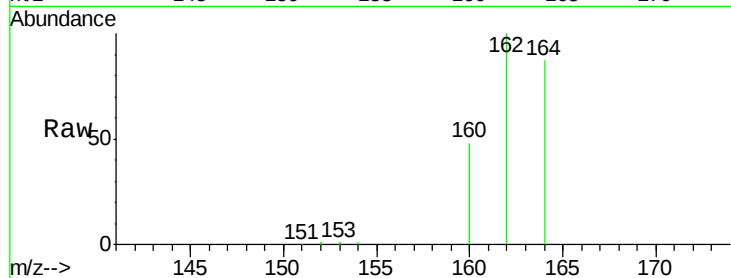
Tgt Ion:164 Resp: 26117

Ion Ratio Lower Upper

164 100

162 115.1 69.5 104.3#

160 55.7 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 2.97 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

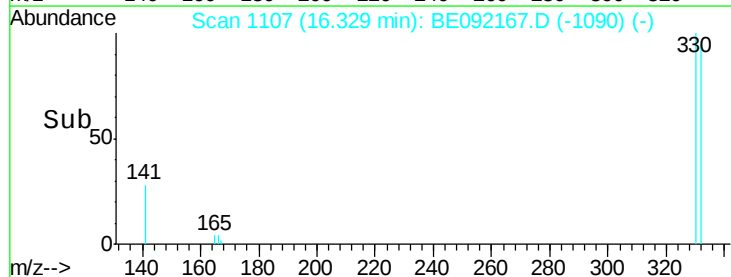
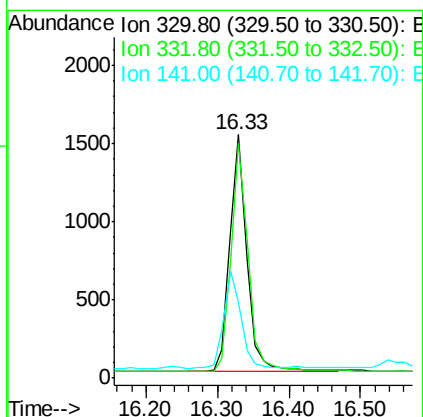
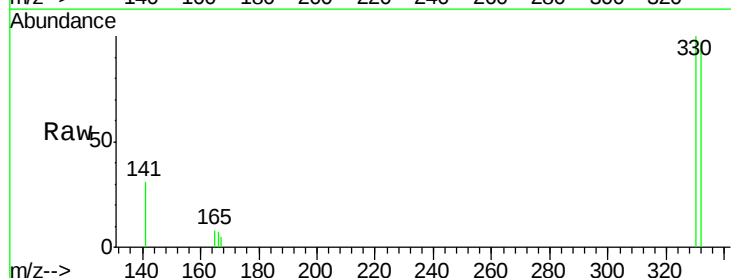
Tgt Ion:330 Resp: 2516

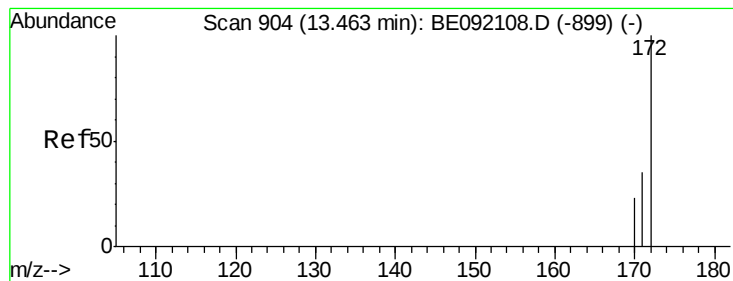
Ion Ratio Lower Upper

330 100

332 95.8 74.2 111.4

141 41.1 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.64 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0

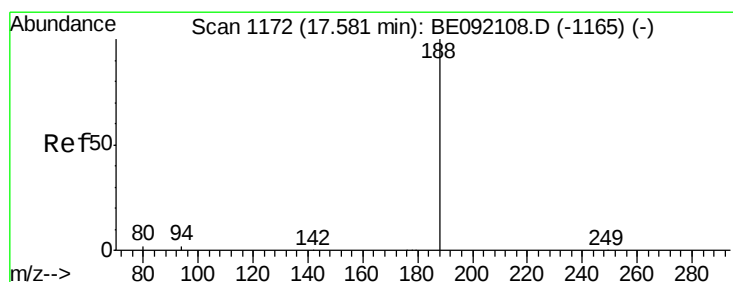
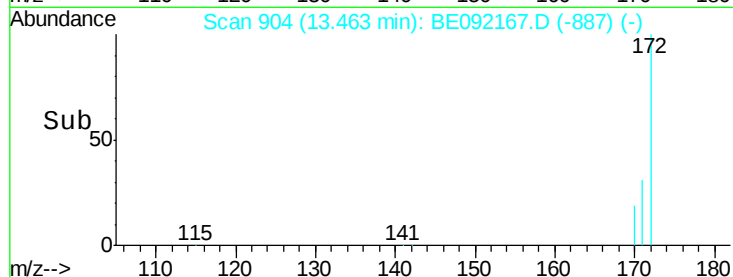
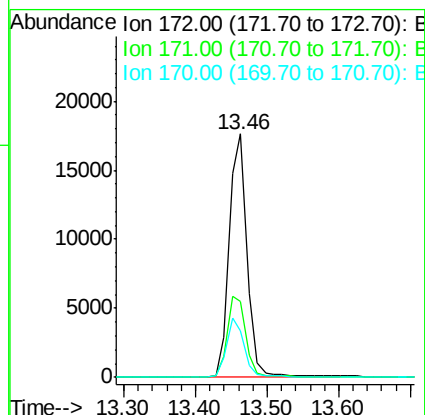
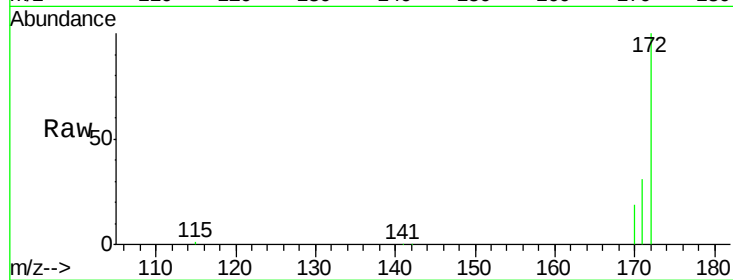
Tgt Ion:172 Resp: 30114

Ion Ratio Lower Upper

172 100

171 31.3 30.3 45.5

170 19.1 21.6 32.4#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

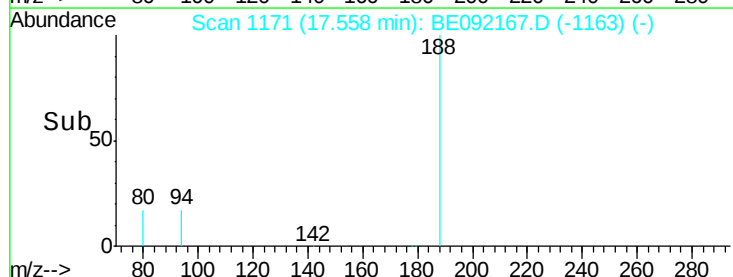
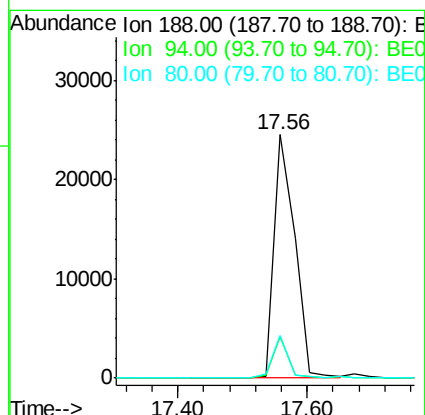
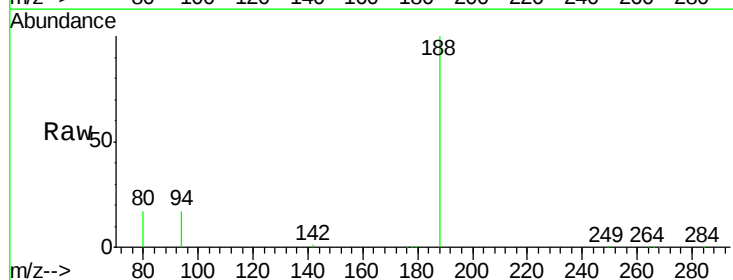
Tgt Ion:188 Resp: 54637

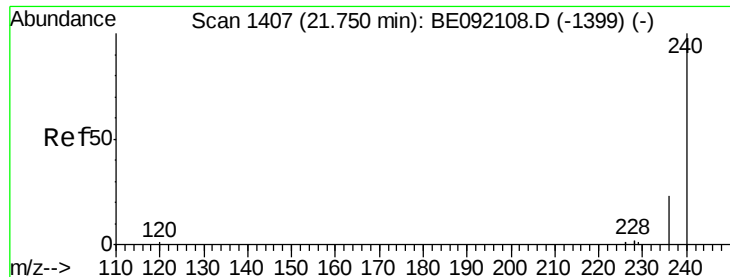
Ion Ratio Lower Upper

188 100

94 16.8 3.9 5.9#

80 17.5 3.4 5.0#

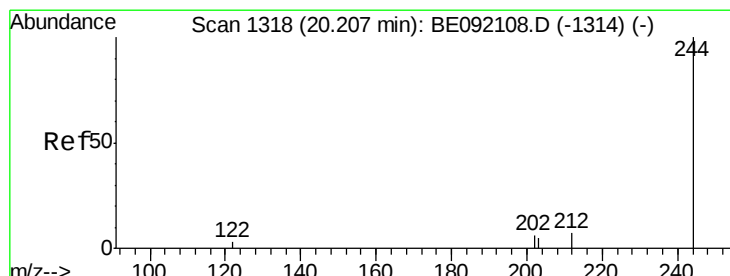
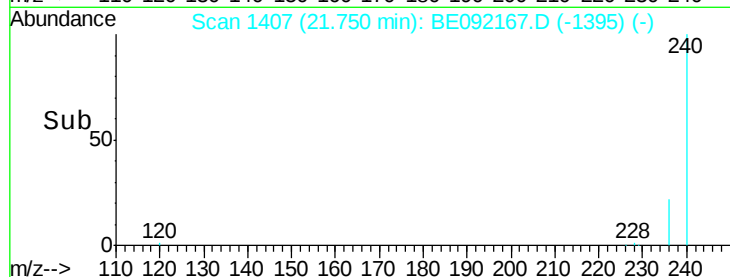
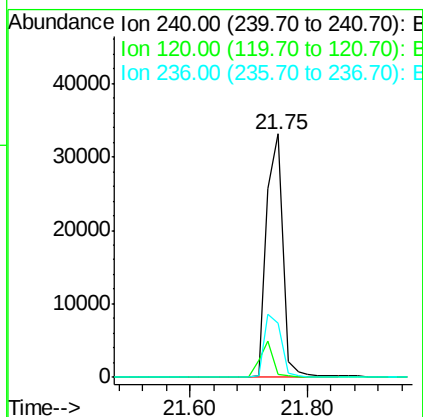
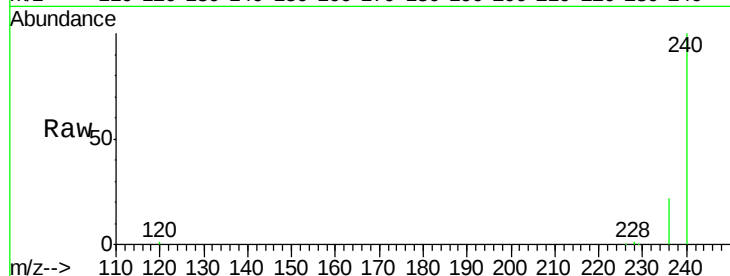




#22  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.75 min Scan# 1407  
Delta R.T. -0.00 min  
Lab File: BE092167.D  
Acq: 4 Aug 2016 4:56

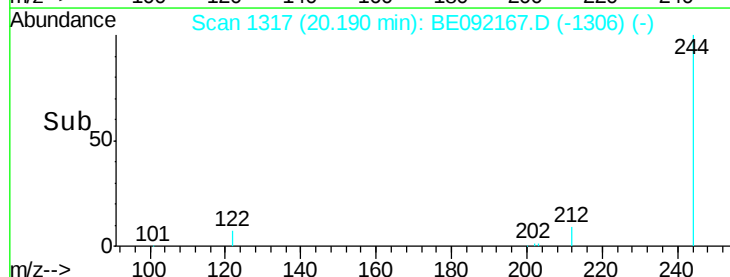
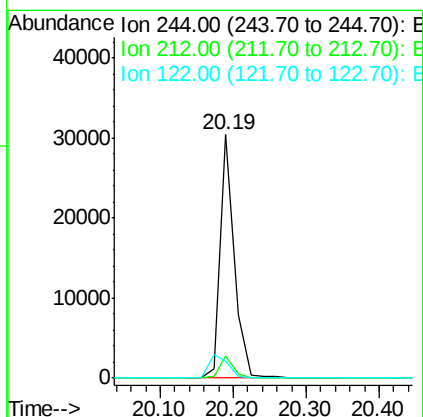
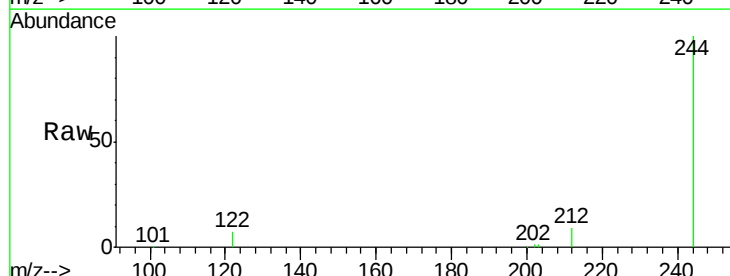
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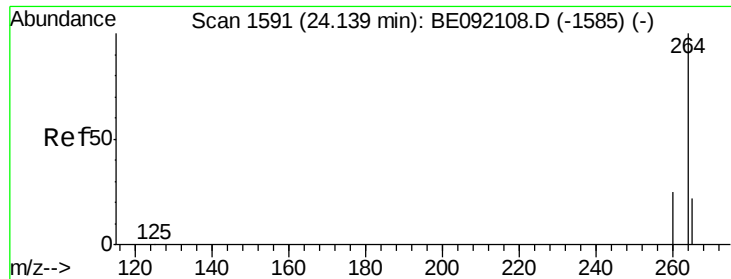
Tgt Ion:240 Resp: 63381  
Ion Ratio Lower Upper  
240 100  
120 1.3 0.6 1.0#  
236 22.2 18.2 27.4



#24  
Terphenyl-d14  
Concen: 4.52 ng  
RT: 20.19 min Scan# 1317  
Delta R.T. -0.02 min  
Lab File: BE092167.D  
Acq: 4 Aug 2016 4:56

Tgt Ion:244 Resp: 41182  
Ion Ratio Lower Upper  
244 100  
212 8.9 9.1 13.7#  
122 6.8 11.0 16.4#





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092167.D

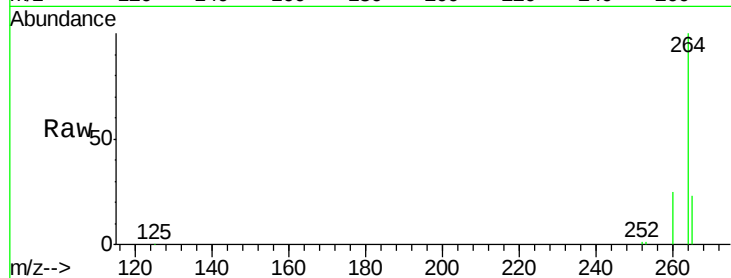
Acq: 4 Aug 2016 4:56

Instrument :

BNA\_E

ClientSampleId :

GW-49-10.75-15.0



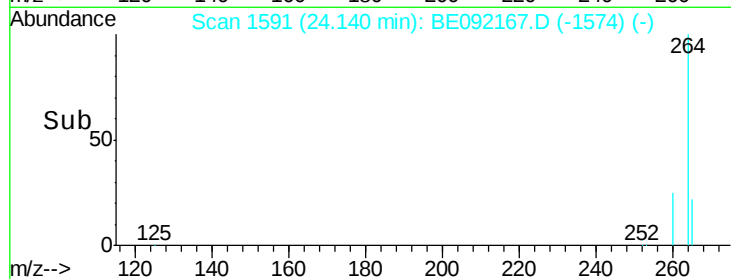
Tgt Ion: 264 Resp: 69954

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 22.5 16.6 25.0



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

