

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE013117\  
 Data File : BE092692.D  
 Acq On : 31 Jan 2017 18:21  
 Operator : SJ/MA  
 Sample : PB96580BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96580BL

Quant Time: Feb 01 02:21:37 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE011617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 17 10:14:01 2017  
 Response via : Initial Calibration

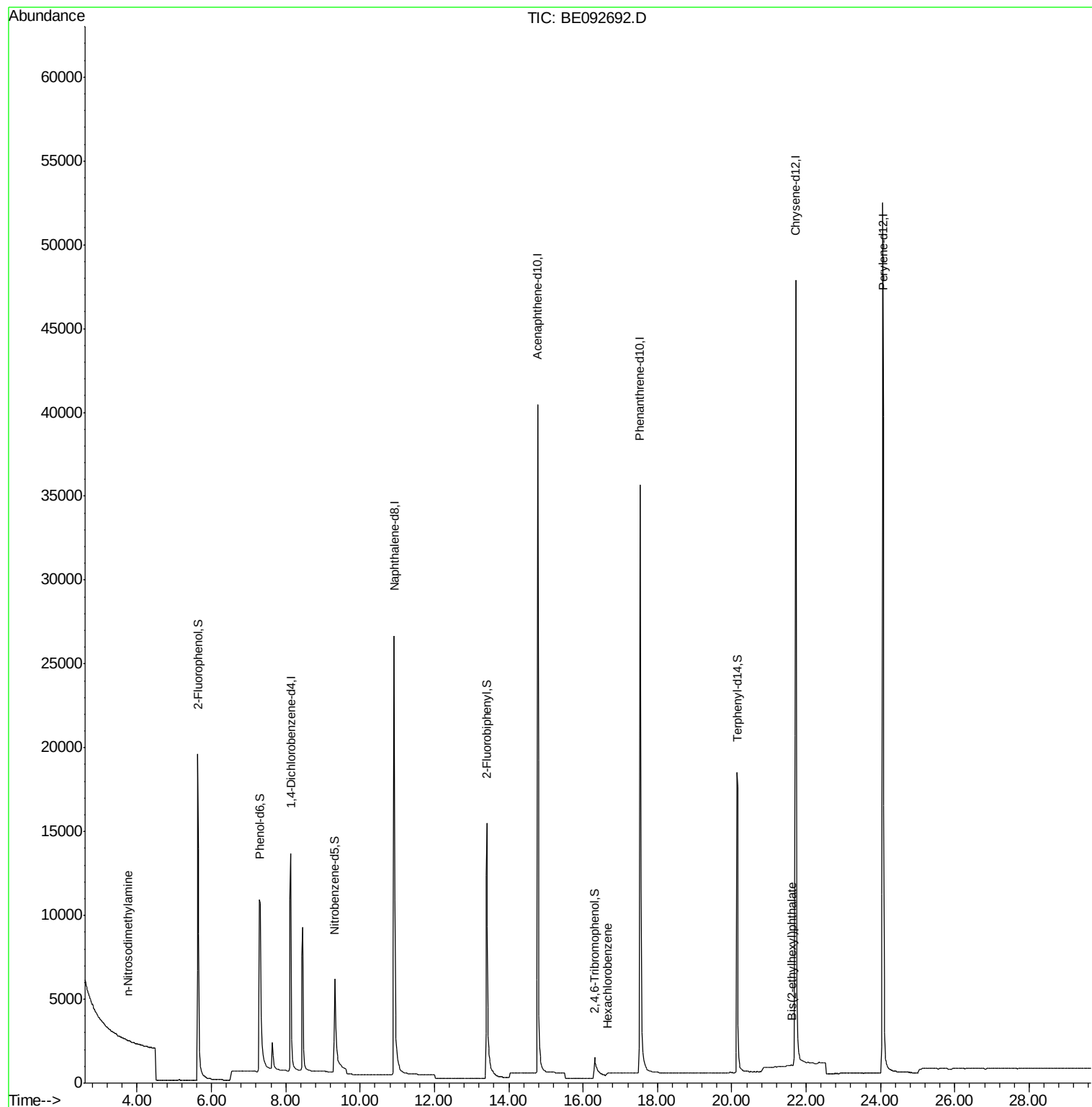
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.14  | 152  | 10933    | 5.00      | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.91 | 136  | 48956    | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.78 | 164  | 29770    | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.53 | 188  | 61428    | 5.00      | ng    | 0.00     |
| 24) Chrysene-d12               | 21.72 | 240  | 72311    | 5.00      | ng    | 0.00     |
| 31) Perylene-d12               | 24.06 | 264  | 79923    | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.64  | 112  | 19573    | 8.02      | ng    | -0.01    |
| 5) Phenol-d6                   | 7.31  | 99   | 22869    | 7.64      | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 9.32  | 82   | 10123    | 3.19      | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol       | 16.31 | 330  | 3379     | 3.91      | ng    | 0.01     |
| 14) 2-Fluorobiphenyl           | 13.41 | 172  | 25173    | 3.44      | ng    | -0.01    |
| 26) Terphenyl-d14              | 20.16 | 244  | 34539    | 3.38      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.56  | 88   | 4        | Below Cal | #     | 19       |
| 3) n-Nitrosodimethylamine      | 3.76  | 42   | 48       | 0.02 ng   | #     | 2        |
| 19) Hexachlorobenzene          | 16.66 | 284  | 235      | 0.03 ng   | #     | 1        |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 232      | 0.22 ng   | #     | 72       |

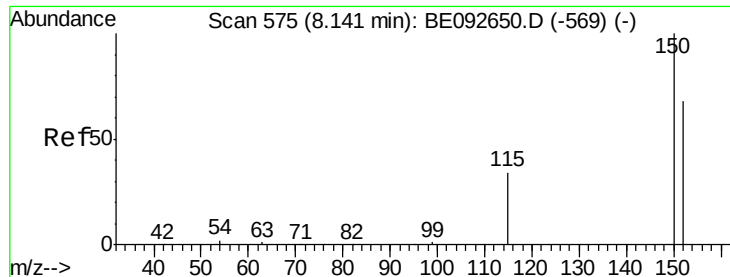
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

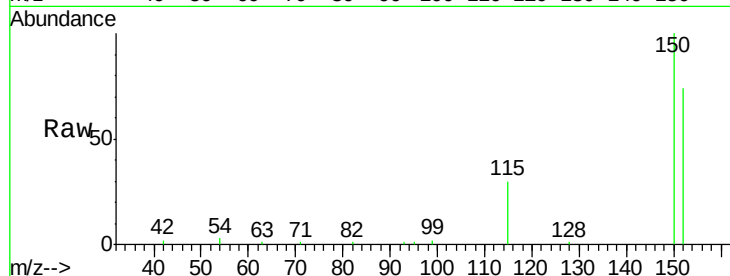
Tgt Ion:152 Resp: 10933

Ion Ratio Lower Upper

152 100

150 134.4 106.0 159.0

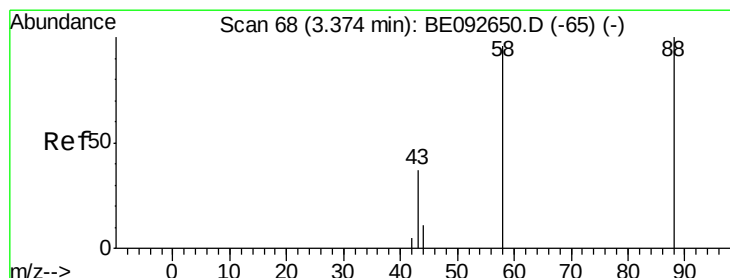
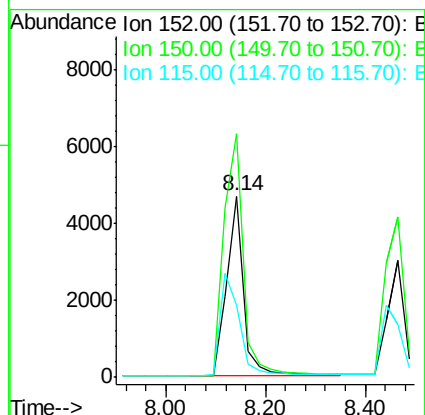
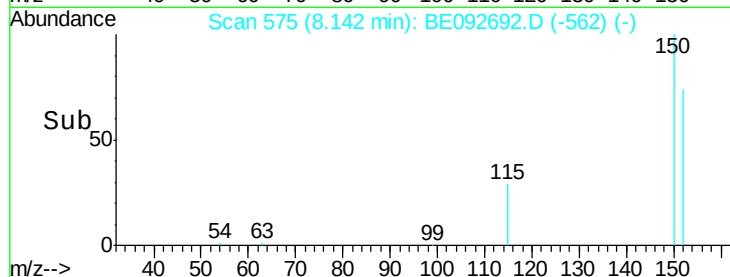
115 40.1 31.2 46.8



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.56 min Scan# 84

Delta R.T. 0.19 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

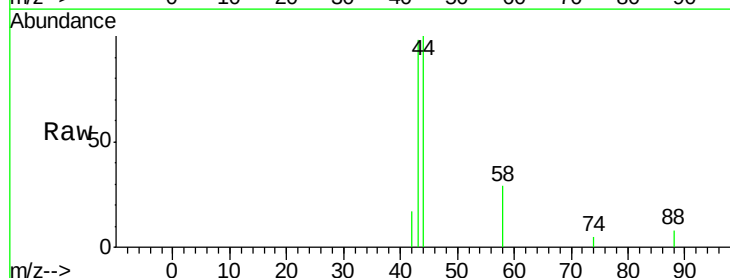
Tgt Ion: 88 Resp: 4

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

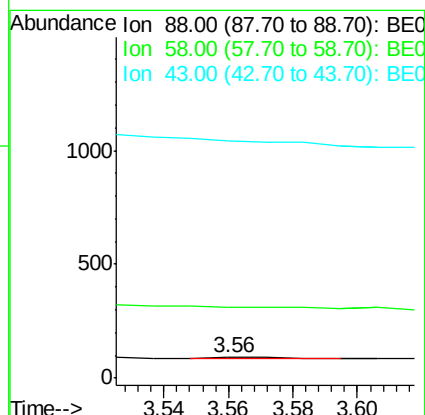
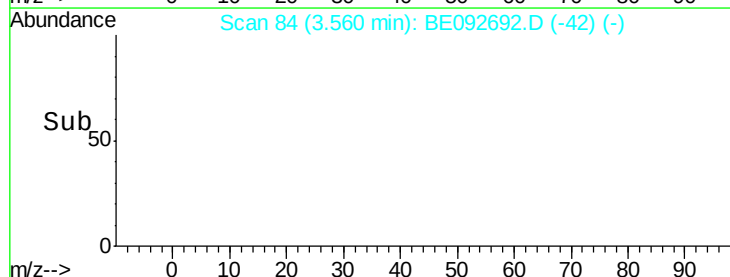
43 0.0 28.0 42.0#

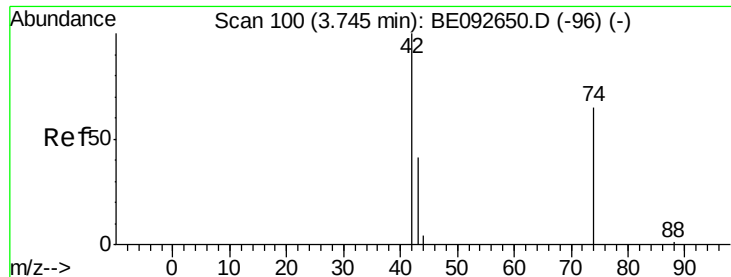


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.76 min Scan# 101

Delta R.T. 0.01 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

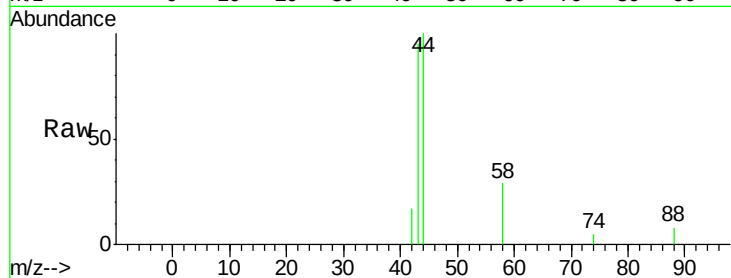
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

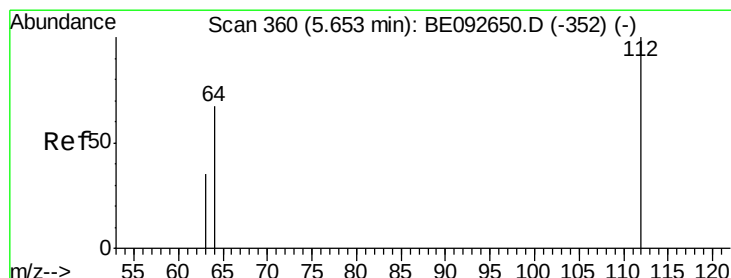
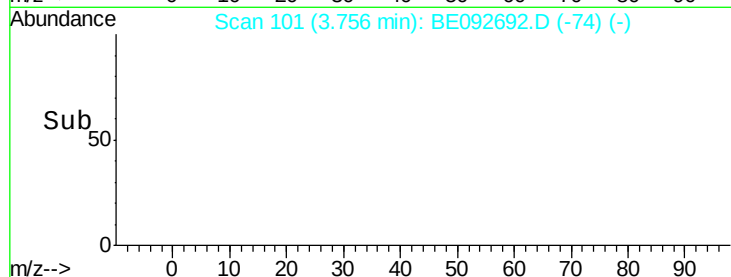
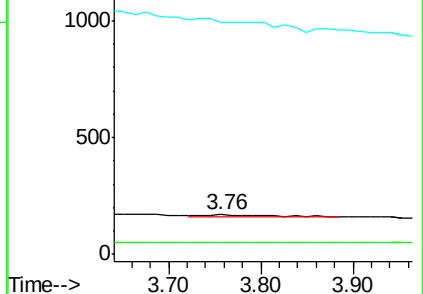
44 0.0 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 8.02 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

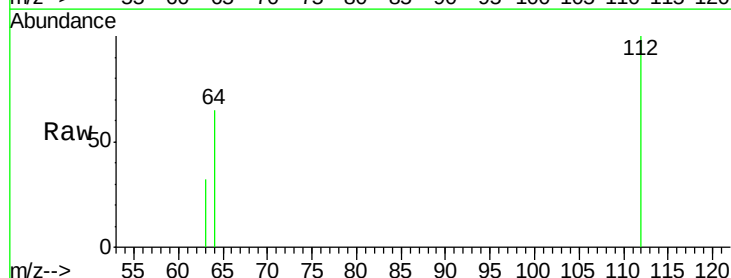
Tgt Ion: 112 Resp: 19573

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

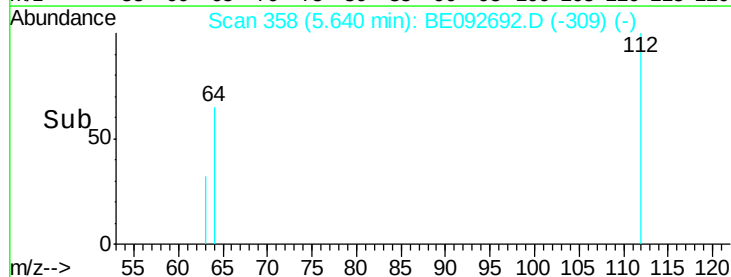
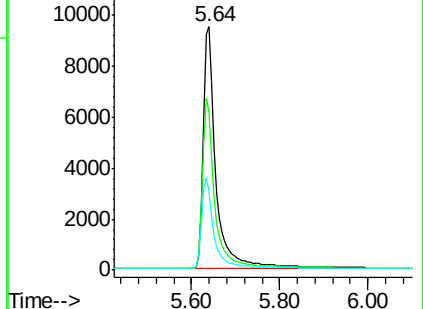
63 36.8 27.9 41.9

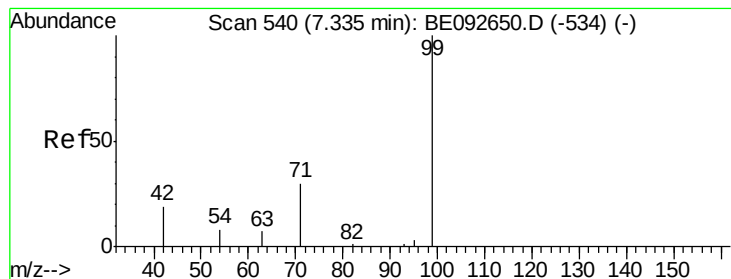


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.64 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

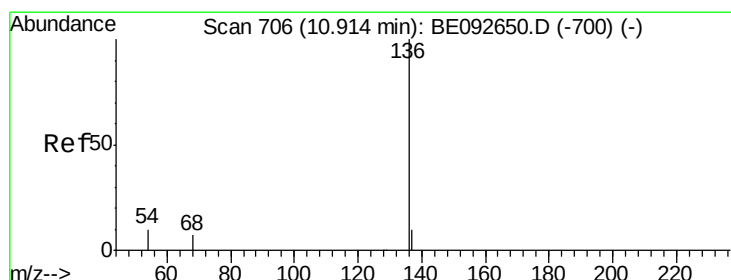
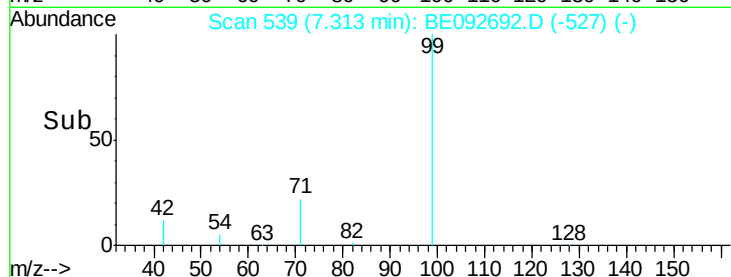
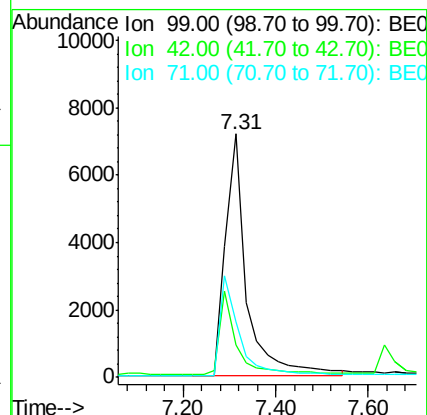
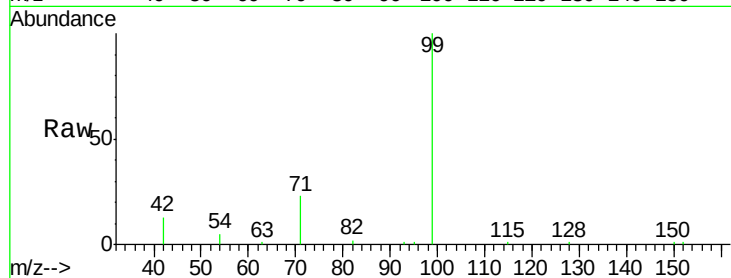
Tgt Ion: 99 Resp: 22869

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 0.0 30.6 45.8#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Tgt Ion: 136 Resp: 48956

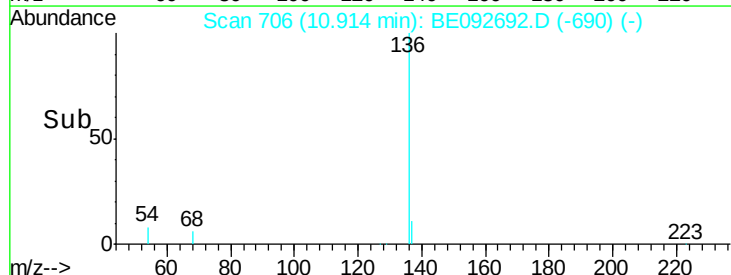
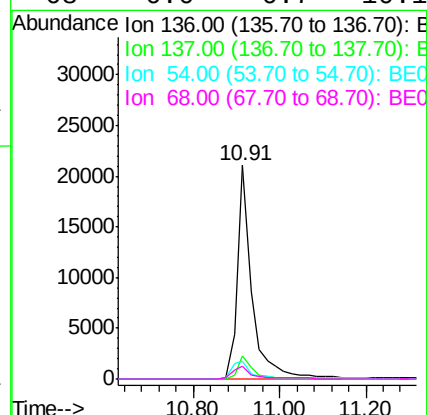
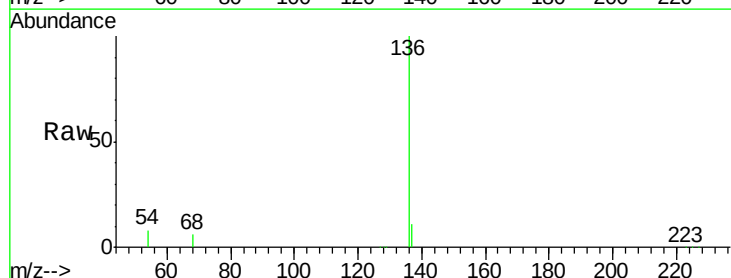
Ion Ratio Lower Upper

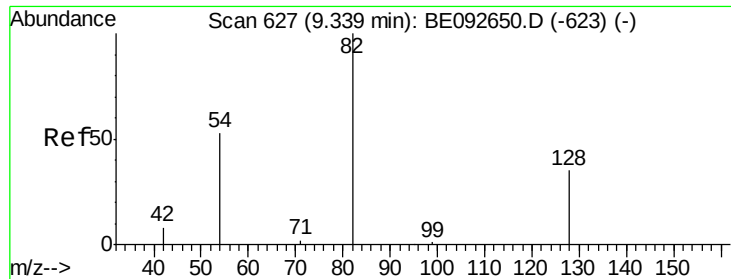
136 100

137 11.1 8.2 12.4

54 8.3 9.6 14.4#

68 6.0 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 3.19 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

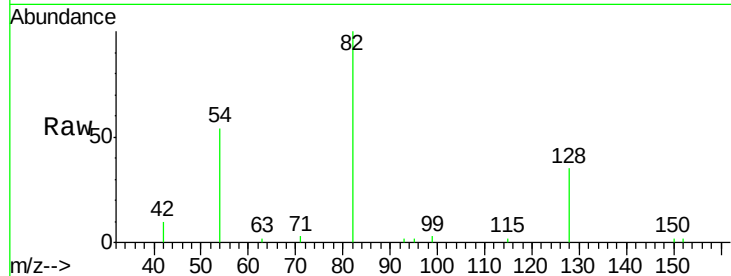
Tgt Ion: 82 Resp: 10123

Ion Ratio Lower Upper

82 100

128 34.8 39.0 58.4#

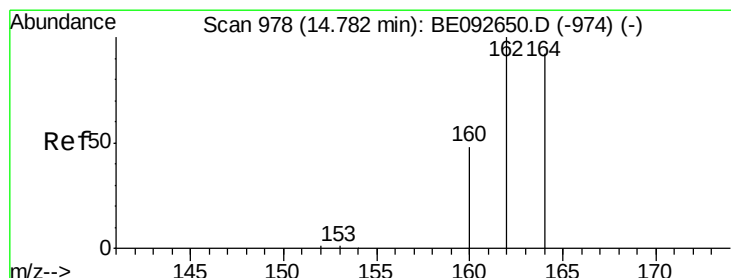
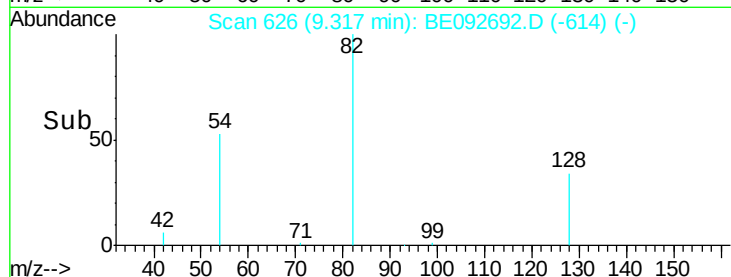
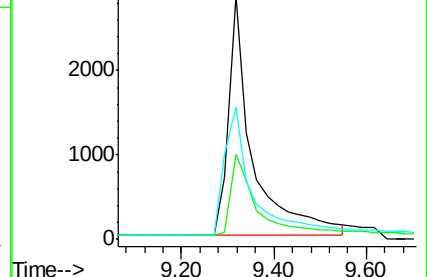
54 54.3 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE092650.D (-623) (-)

Ion 128.00 (127.70 to 128.70): BE092650.D (-623) (-)

Ion 54.00 (53.70 to 54.70): BE092650.D (-623) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

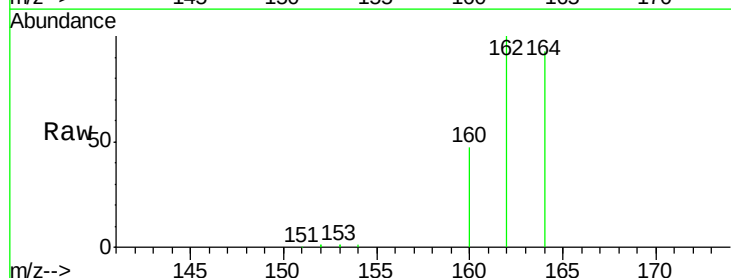
Tgt Ion: 164 Resp: 29770

Ion Ratio Lower Upper

164 100

162 107.1 71.4 107.0#

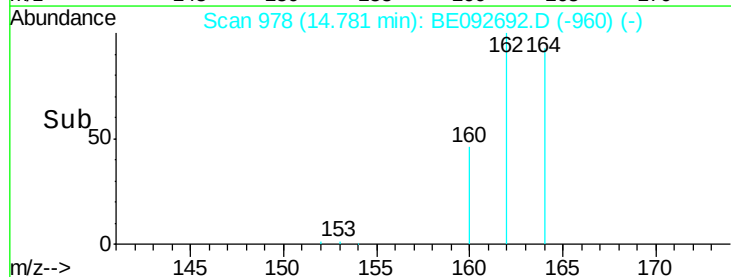
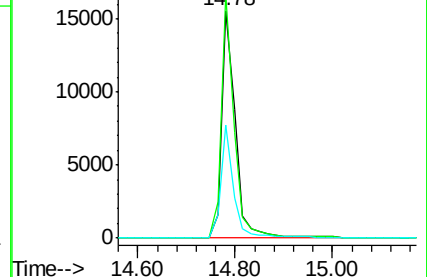
160 49.9 27.4 41.2#

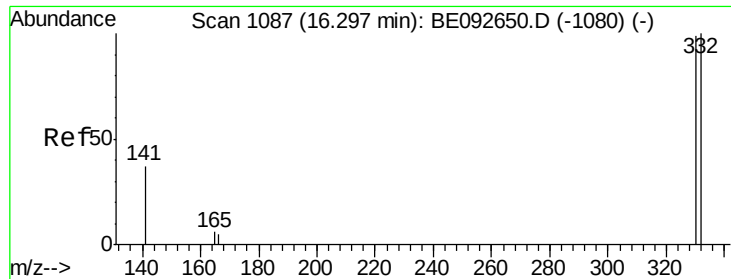


Abundance Ion 164.00 (163.70 to 164.70): BE092650.D (-974) (-)

Ion 162.00 (161.70 to 162.70): BE092650.D (-974) (-)

Ion 160.00 (159.70 to 160.70): BE092650.D (-974) (-)

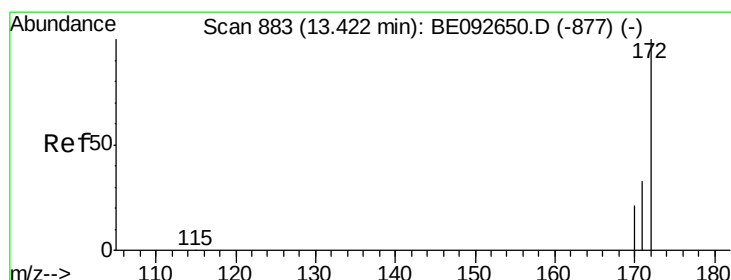
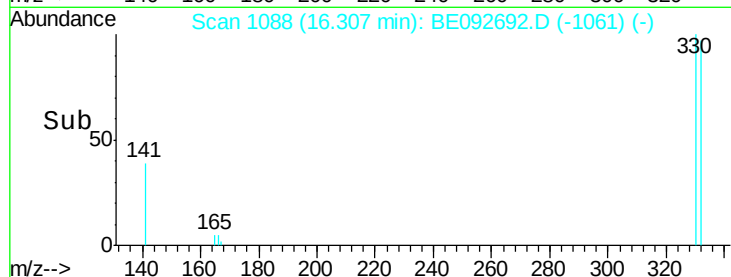
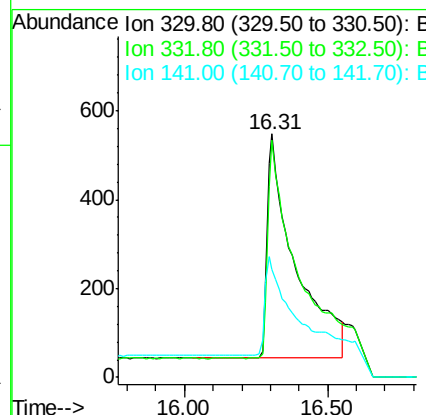
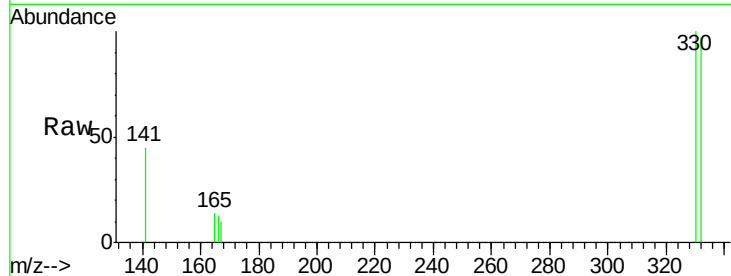




#13  
 2,4,6-Tribromophenol  
 Concen: 3.91 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. 0.01 min  
 Lab File: BE092692.D  
 Acq: 31 Jan 2017 18:21

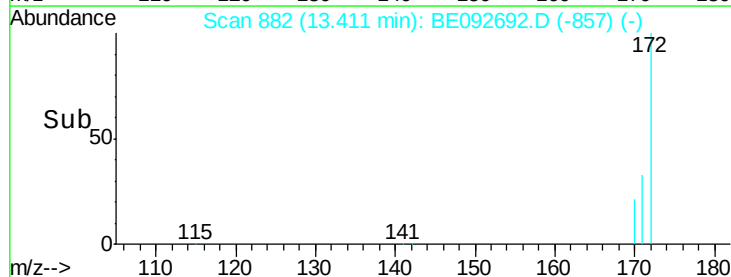
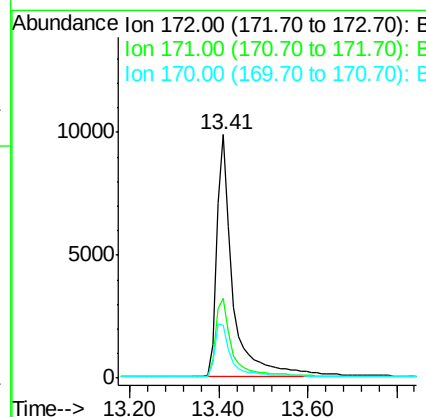
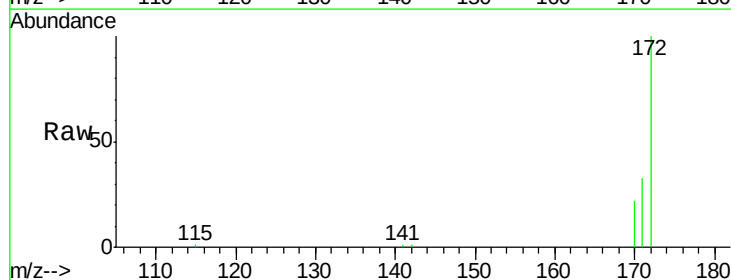
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB96580BL

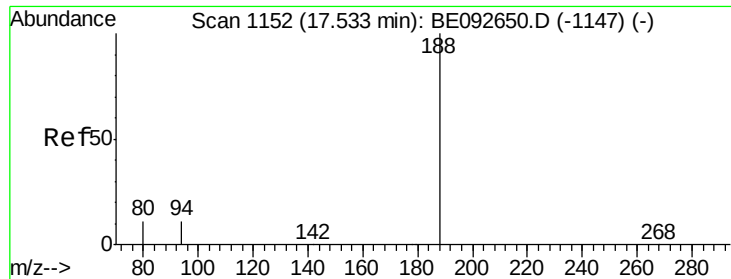
Tgt Ion: 330 Resp: 3379  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 75.4 113.0  
 141 46.2 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.44 ng  
 RT: 13.41 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: BE092692.D  
 Acq: 31 Jan 2017 18:21

Tgt Ion: 172 Resp: 25173  
 Ion Ratio Lower Upper  
 172 100  
 171 32.8 30.1 45.1  
 170 21.6 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

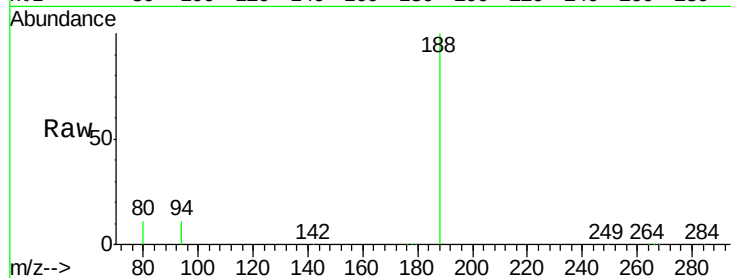
Tgt Ion:188 Resp: 61428

Ion Ratio Lower Upper

188 100

94 10.8 3.2 4.8#

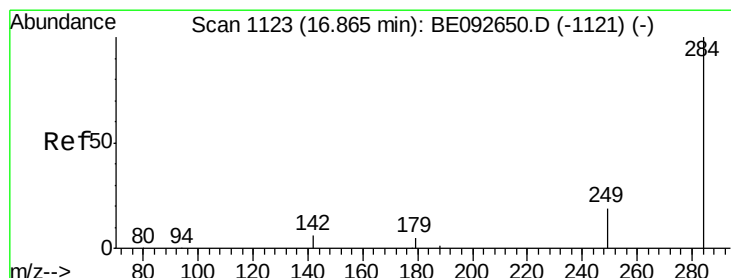
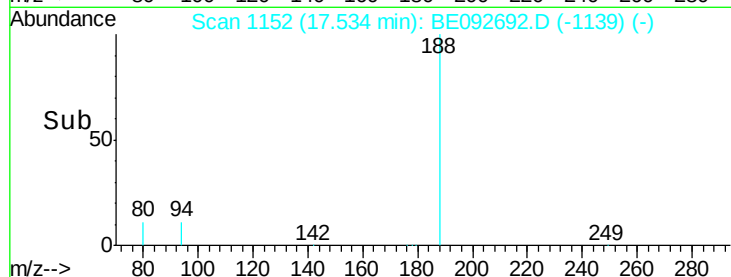
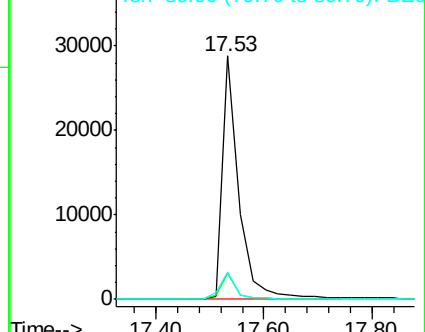
80 11.0 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 0.03 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

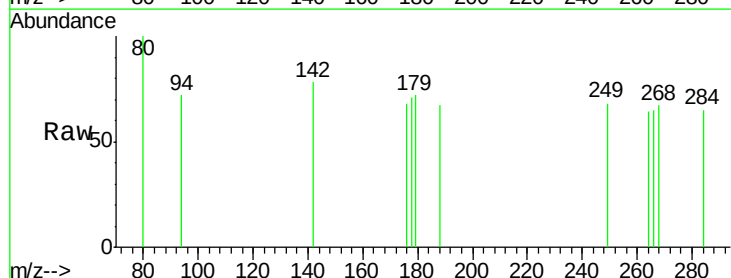
Tgt Ion:284 Resp: 235

Ion Ratio Lower Upper

284 100

142 177.4 29.1 43.7#

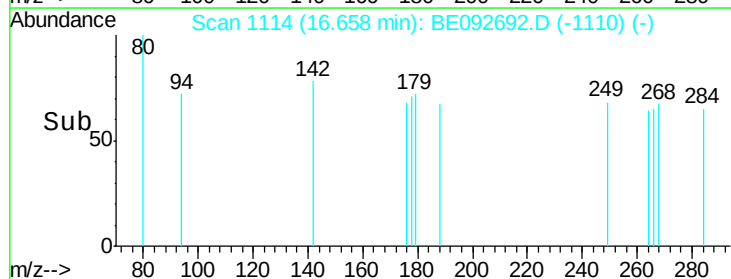
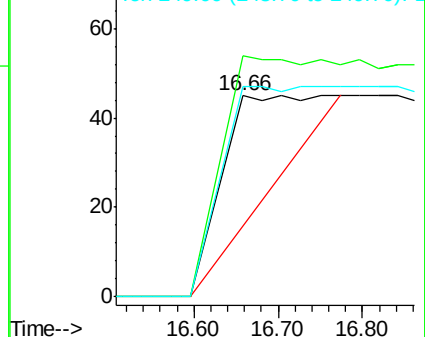
249 128.5 27.9 41.9#



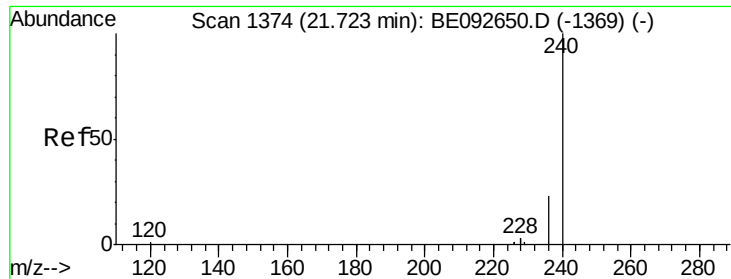
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



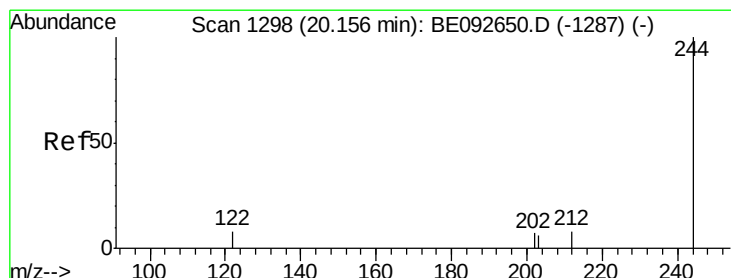
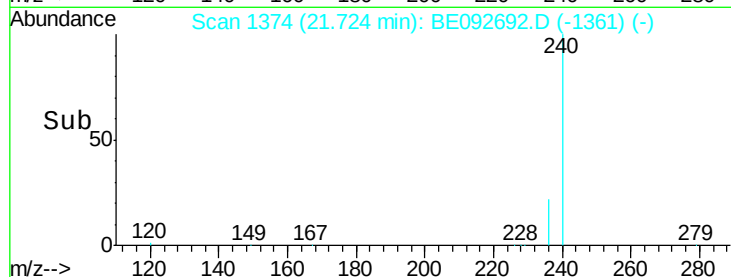
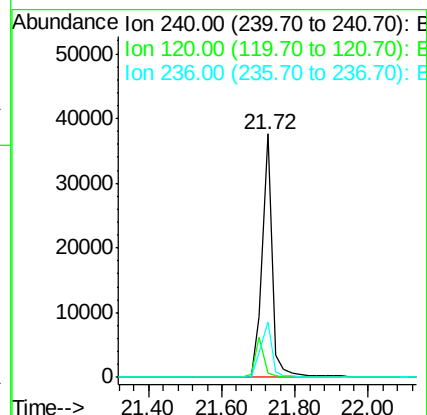
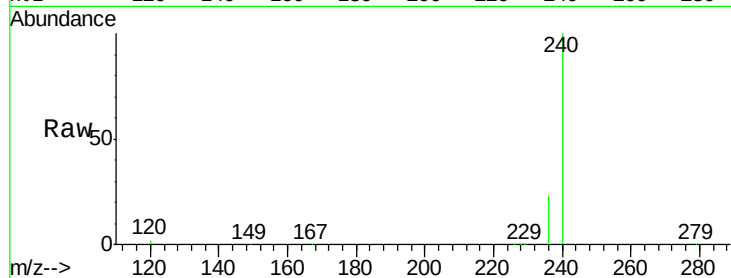




#24  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.72 min Scan# 1374  
Delta R.T. 0.00 min  
Lab File: BE092692.D  
Acq: 31 Jan 2017 18:21

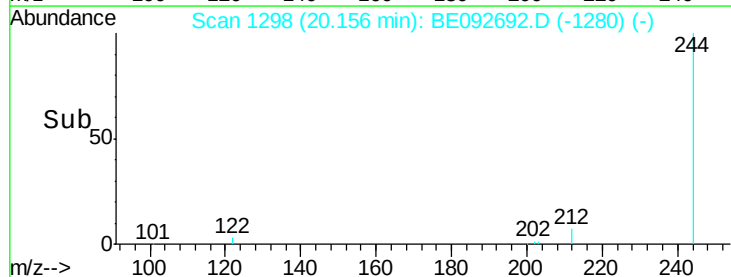
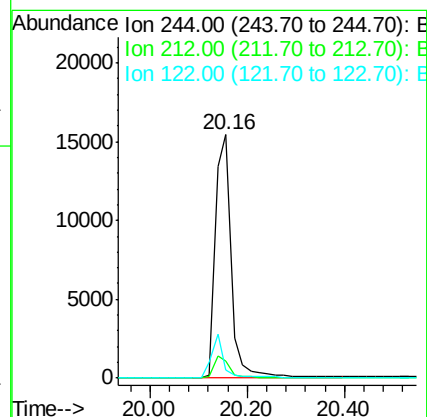
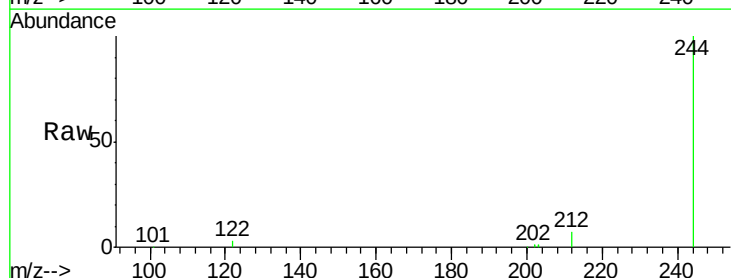
Instrument :  
BNA\_E  
ClientSampleId :  
PB96580BL

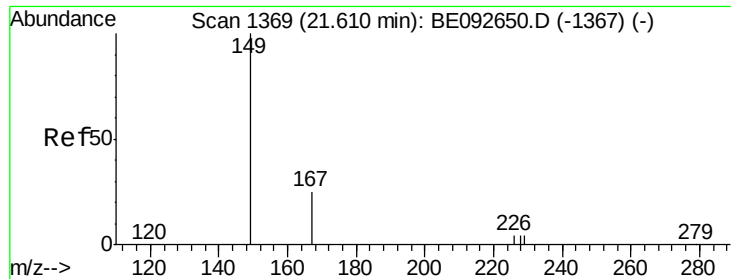
Tgt Ion:240 Resp: 72311  
Ion Ratio Lower Upper  
240 100  
120 1.6 2.6 4.0#  
236 22.5 24.6 37.0#



#26  
Terphenyl-d14  
Concen: 3.38 ng  
RT: 20.16 min Scan# 1298  
Delta R.T. 0.00 min  
Lab File: BE092692.D  
Acq: 31 Jan 2017 18:21

Tgt Ion:244 Resp: 34539  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.7 10.1  
122 3.3 3.6 5.4#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

Instrument :

BNA\_E

ClientSampleId :

PB96580BL

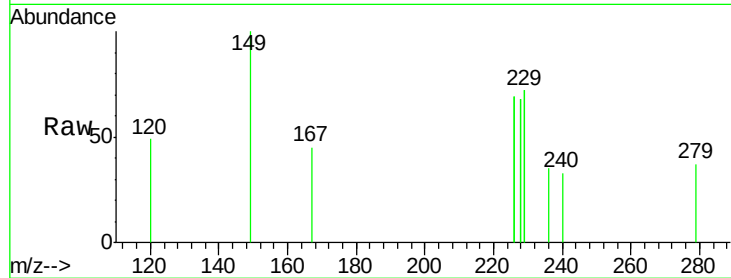
Tgt Ion:149 Resp: 232

Ion Ratio Lower Upper

149 100

167 14.2 16.0 24.0#

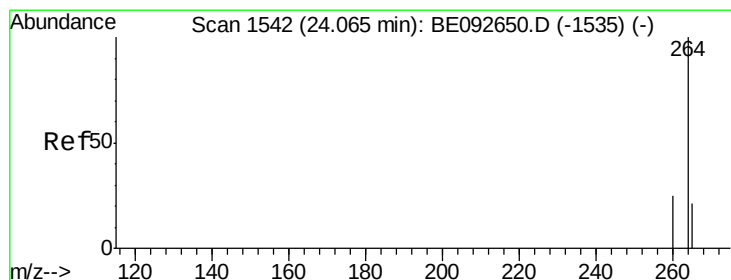
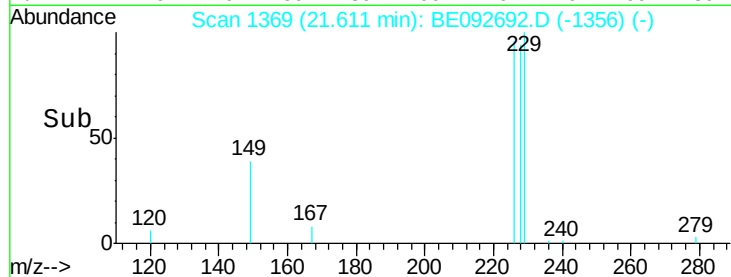
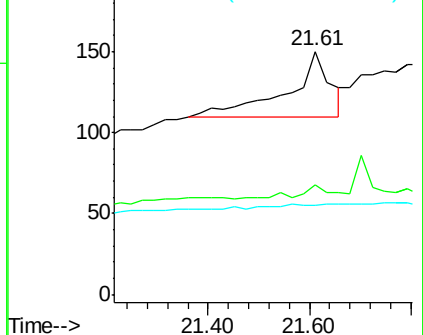
279 0.0 16.0 24.0#



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



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE092692.D

Acq: 31 Jan 2017 18:21

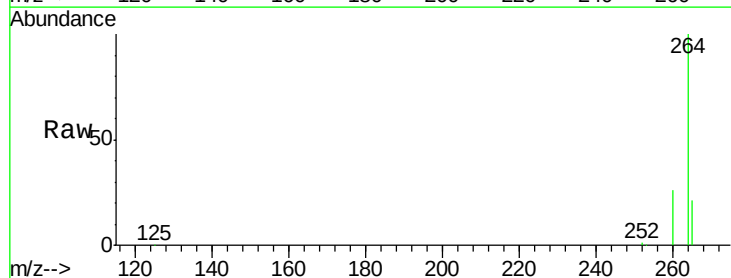
Tgt Ion:264 Resp: 79923

Ion Ratio Lower Upper

264 100

260 25.8 20.1 30.1

265 21.5 17.9 26.9



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

