

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\  
 Data File : BE091723.D  
 Acq On : 27 Apr 2016 13:10  
 Operator : UM/SJ  
 Sample : PB900018BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB90018BL

Quant Time: Apr 28 03:11:53 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 26 16:09:46 2016  
 Response via : Initial Calibration

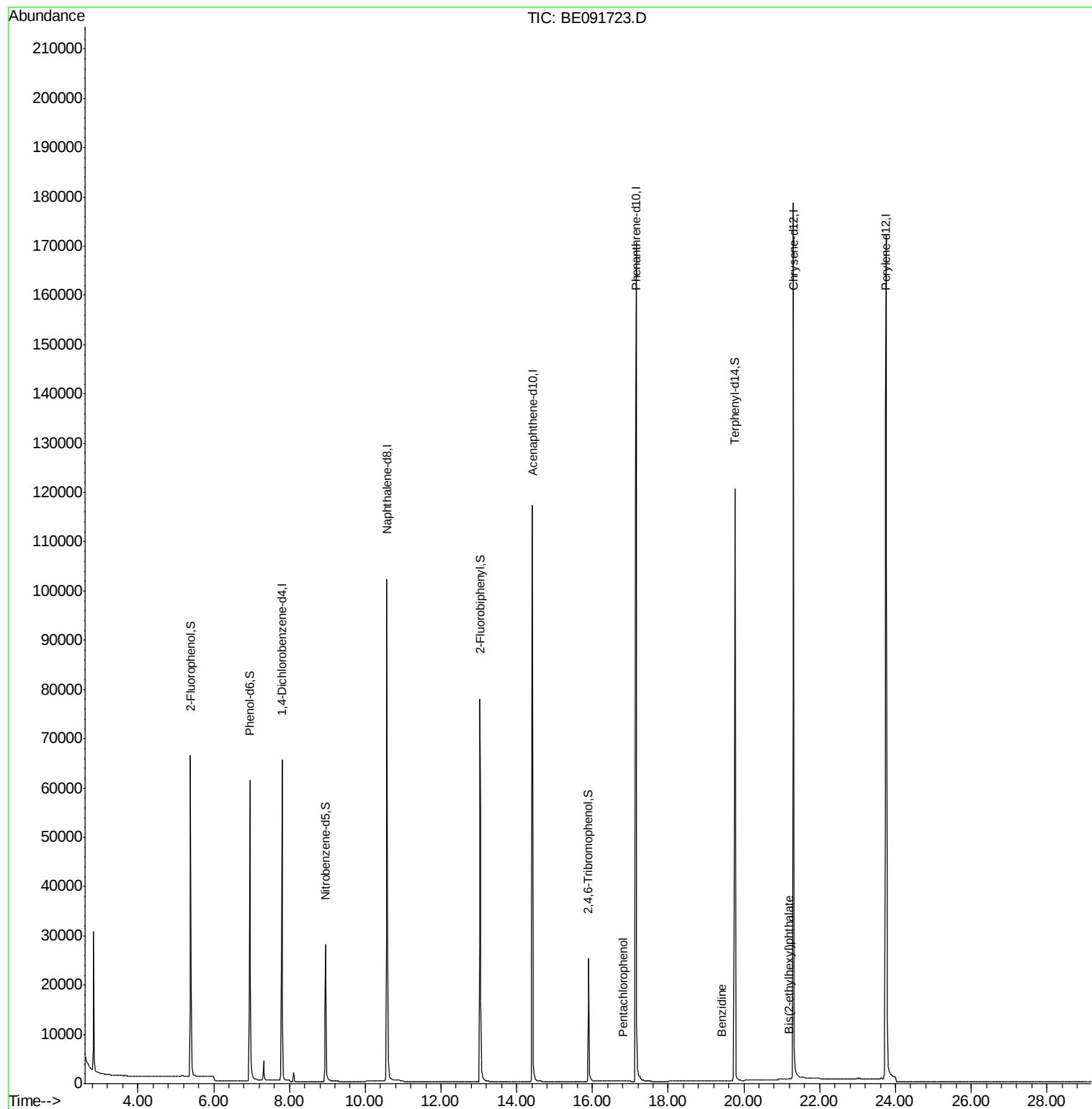
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 33697    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.57 | 136  | 153856   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.42 | 164  | 89469    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.15 | 188  | 236877   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12               | 21.31 | 240  | 261661   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12               | 23.75 | 264  | 257058   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.39  | 112  | 50142    | 6.06 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.95  | 99   | 68391    | 6.23 | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.95  | 82   | 29186    | 2.94 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.90 | 330  | 20051    | 6.06 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.03 | 172  | 84370    | 3.33 | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.76 | 244  | 153105   | 3.75 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       |          |
| 22) Pentachlorophenol          | 16.81 | 266  | 77       | 0.11 | ng    | # 79     |
| 27) Benzidine                  | 19.42 | 184  | 139      | 0.17 | ng    | # 2      |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 449      | 0.02 | ng    | # 57     |

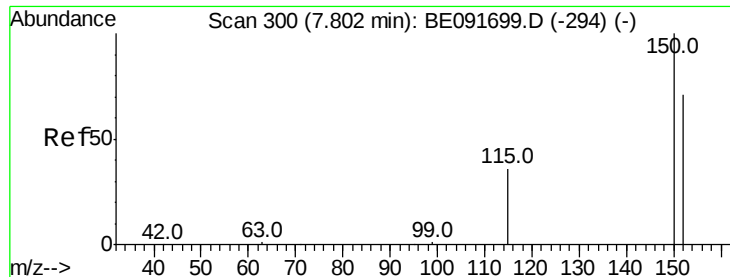
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 26 16:09:46 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampleId :

PB90018BL

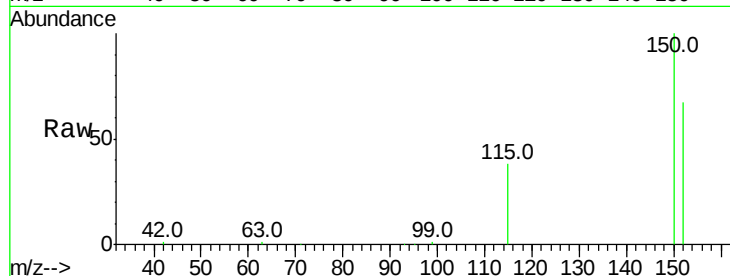
Tot Ion:152 Resp: 33697

Ion Ratio Lower Upper

152 100

150 150.4 122.6 183.8

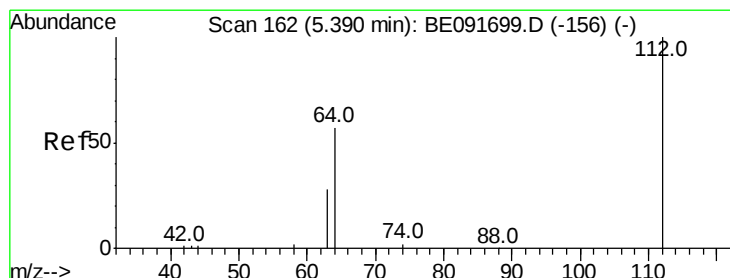
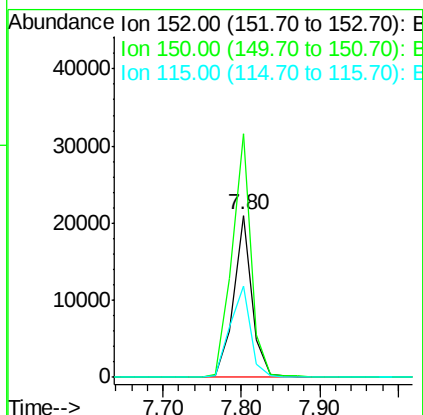
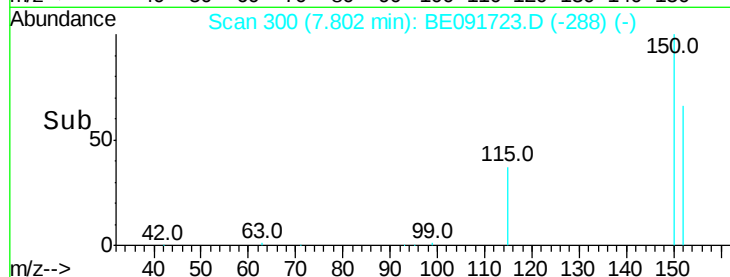
115 56.4 52.8 79.2



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: 6.06 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

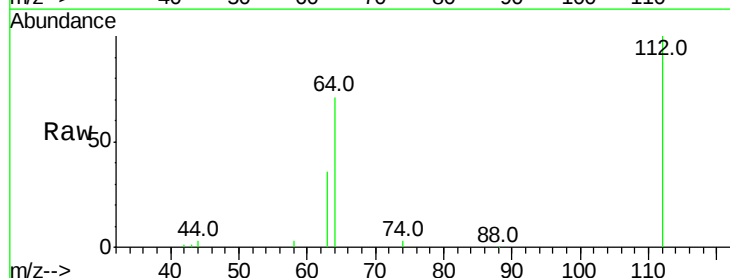
Tgt Ion:112 Resp: 50142

Ion Ratio Lower Upper

112 100

64 67.2 30.9 46.3#

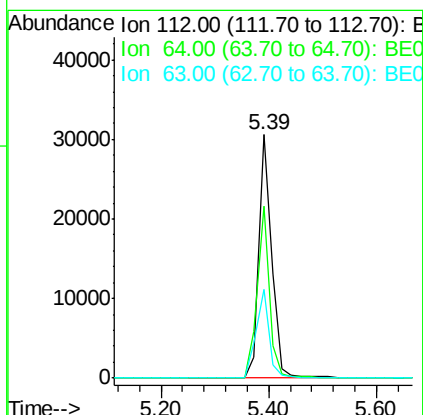
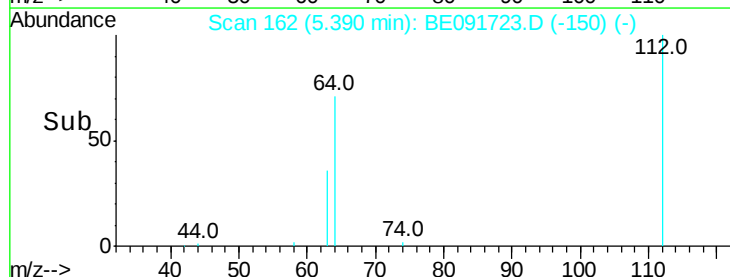
63 36.6 16.7 25.1#

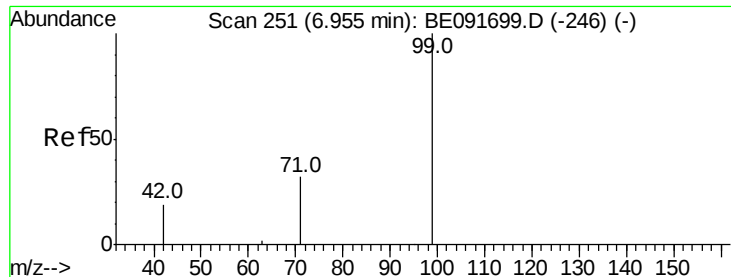


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.23 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampleId :

PB90018BL

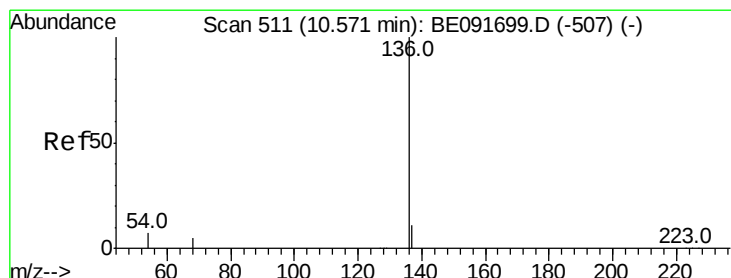
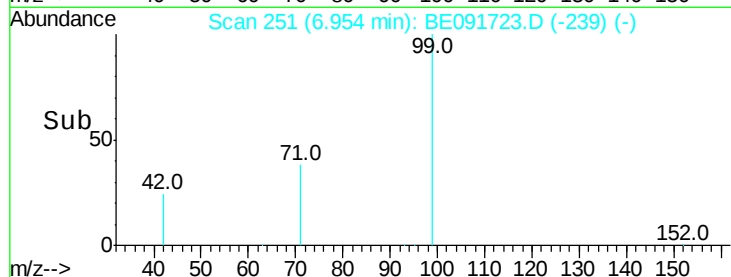
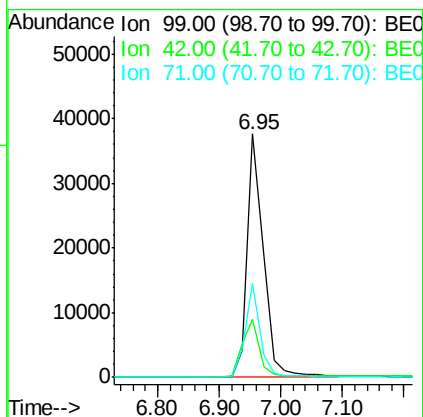
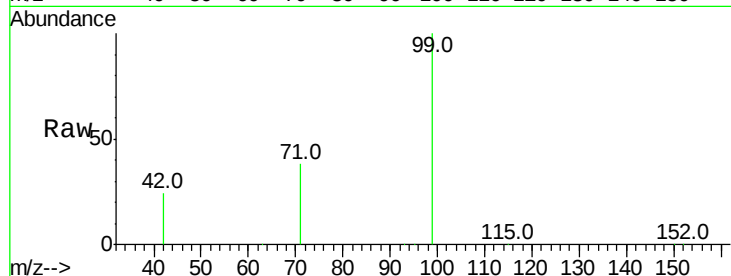
Tot Ion: 99 Resp: 68391

Ion Ratio Lower Upper

99 100

42 25.2 16.2 24.2#

71 35.8 29.0 43.4



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Tgt Ion: 136 Resp: 153856

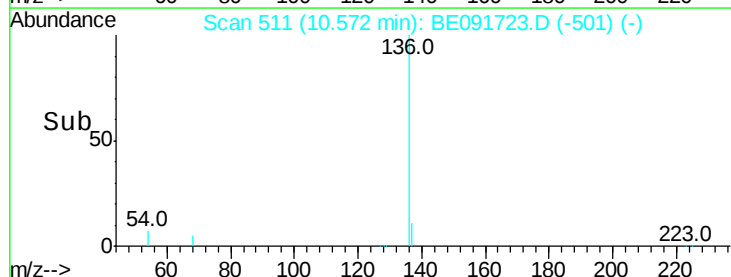
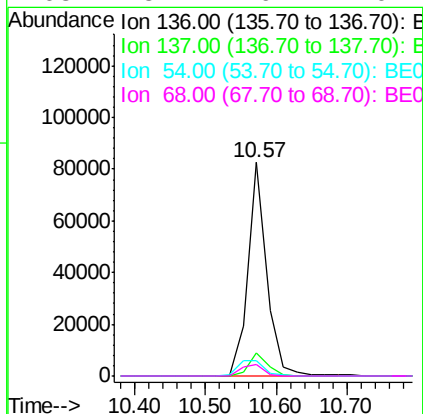
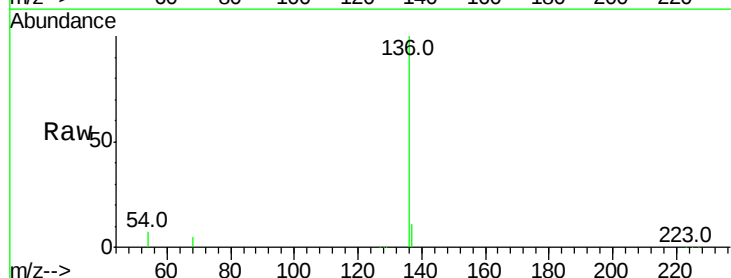
Ion Ratio Lower Upper

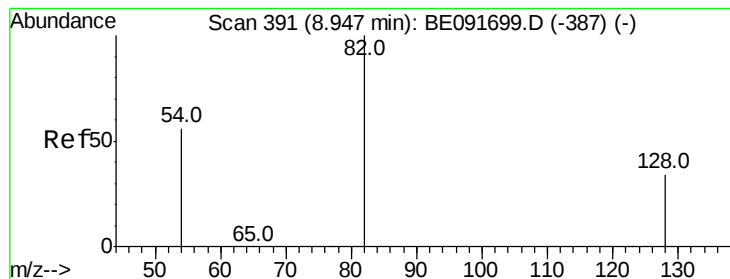
136 100

137 10.9 8.9 13.3

54 7.3 8.2 12.4#

68 5.4 6.2 9.4#





#8

Nitrobenzene-d5

Concen: 2.94 ng

RT: 8.95 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampleId :

PB90018BL

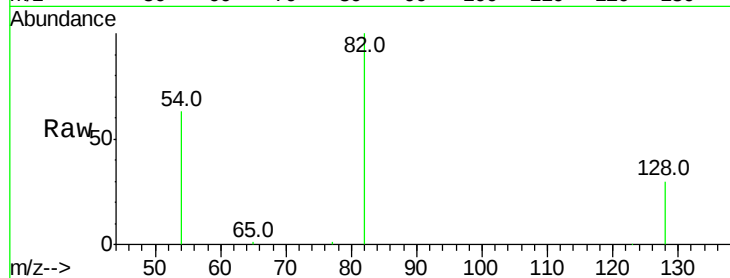
Tot Ion: 82 Resp: 29186

Ion Ratio Lower Upper

82 100

128 29.8 25.4 38.0

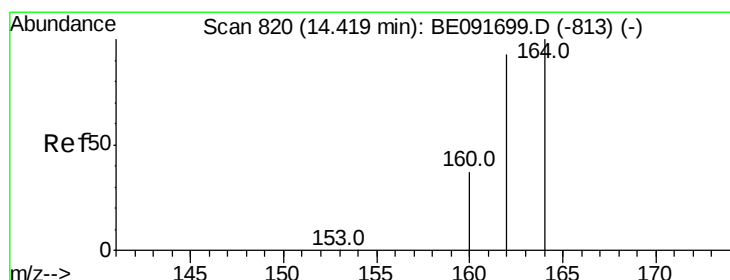
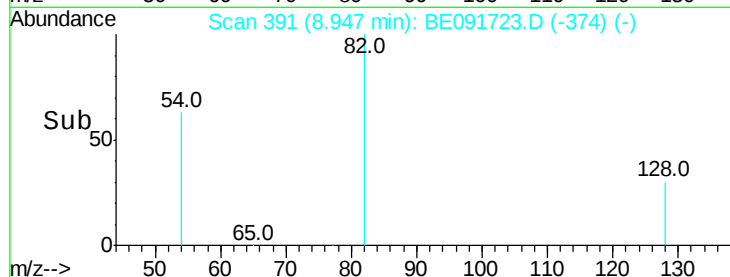
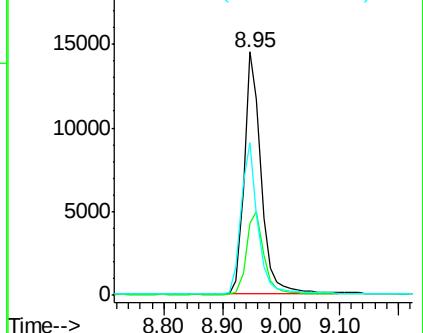
54 62.7 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE091699.D (-387) (-)

Ion 128.00 (127.70 to 128.70): BE091699.D (-387) (-)

Ion 54.00 (53.70 to 54.70): BE091699.D (-387) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

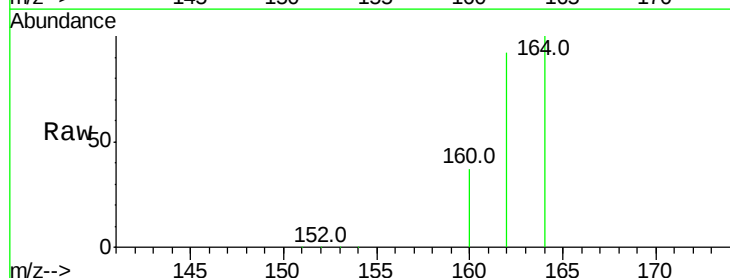
Tgt Ion:164 Resp: 89469

Ion Ratio Lower Upper

164 100

162 92.5 85.3 127.9

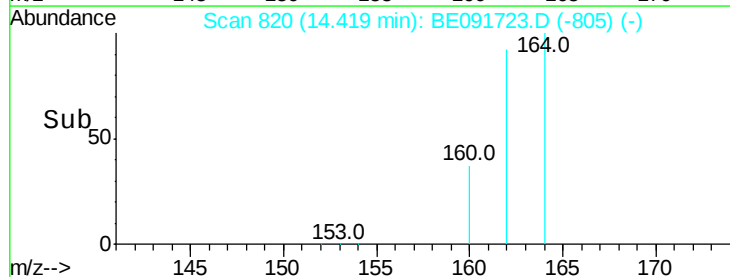
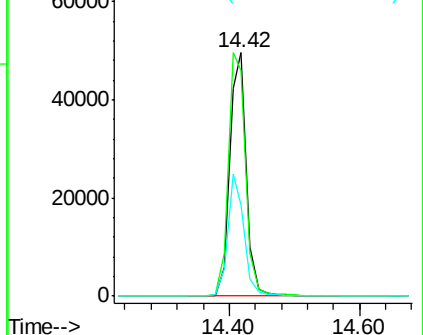
160 37.2 46.2 69.2#

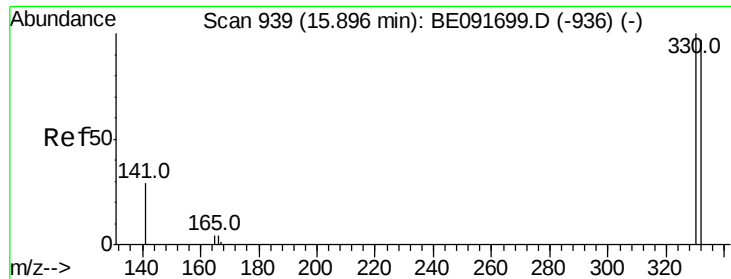


Abundance Ion 164.00 (163.70 to 164.70): BE091699.D (-813) (-)

Ion 162.00 (161.70 to 162.70): BE091699.D (-813) (-)

Ion 160.00 (159.70 to 160.70): BE091699.D (-813) (-)

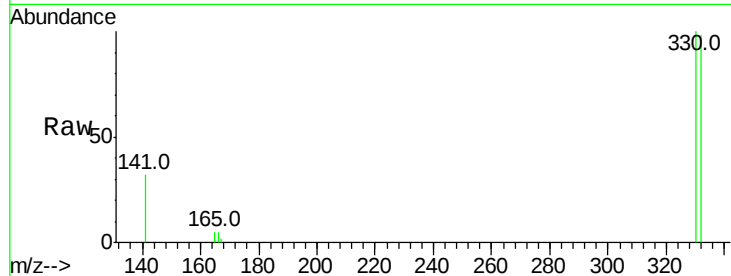




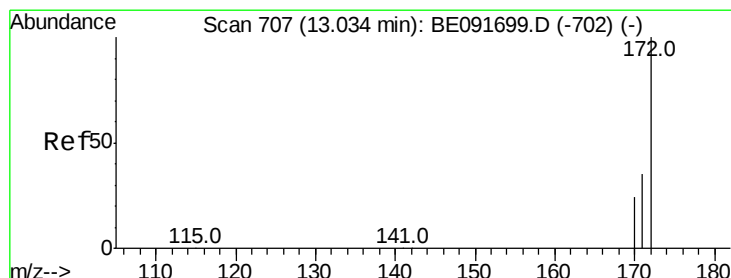
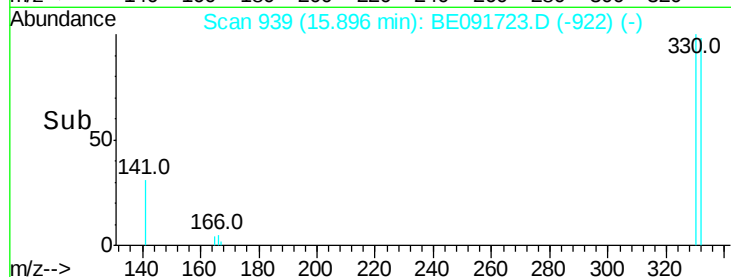
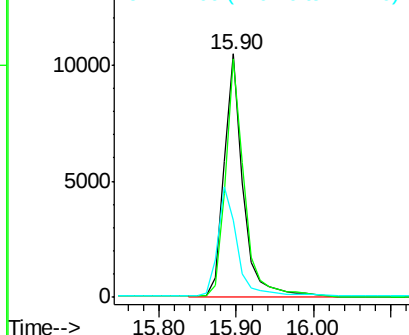
#14  
 2,4,6-Tribromophenol  
 Concen: 6.06 ng  
 RT: 15.90 min Scan# 939  
 Delta R.T. 0.00 min  
 Lab File: BE091723.D  
 Acq: 27 Apr 2016 13:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB90018BL

Tot Ion:330 Resp: 20051  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 79.1 118.7  
 141 44.2 125.4 188.0#

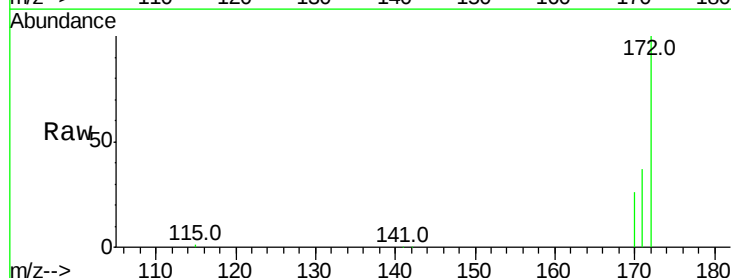


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

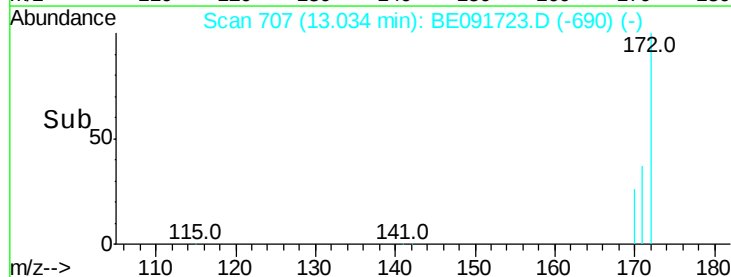
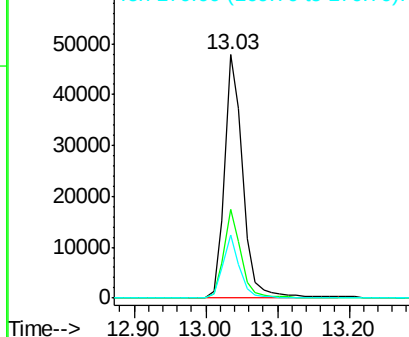


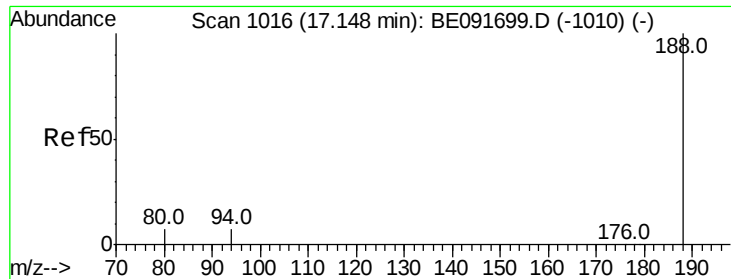
#15  
 2-Fluorobiphenyl  
 Concen: 3.33 ng  
 RT: 13.03 min Scan# 707  
 Delta R.T. -0.00 min  
 Lab File: BE091723.D  
 Acq: 27 Apr 2016 13:10

Tgt Ion:172 Resp: 84370  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 28.8 43.2  
 170 25.7 19.3 28.9



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





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampleId :

PB90018BL

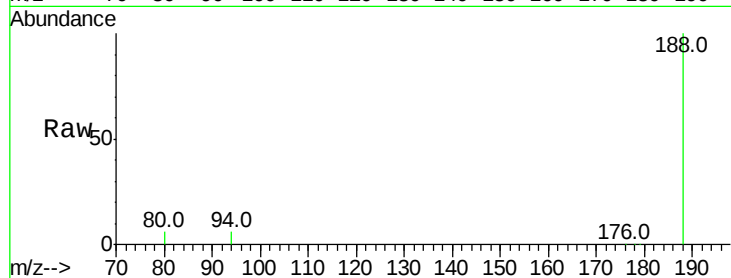
Tot Ion:188 Resp: 236877

Ion Ratio Lower Upper

188 100

94 6.3 8.7 13.1#

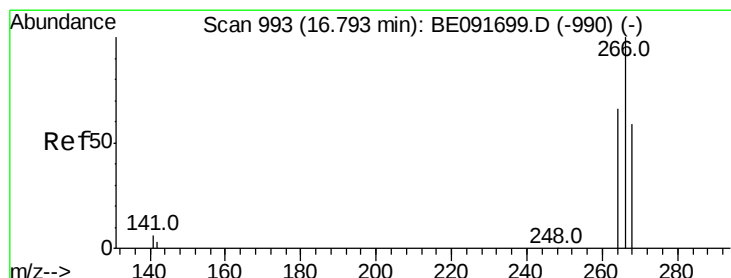
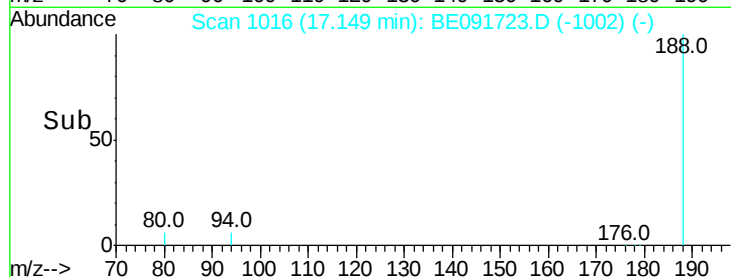
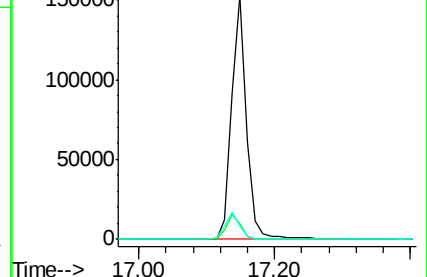
80 5.6 9.4 14.0#



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



#22

Pentachlorophenol

Concen: 0.11 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

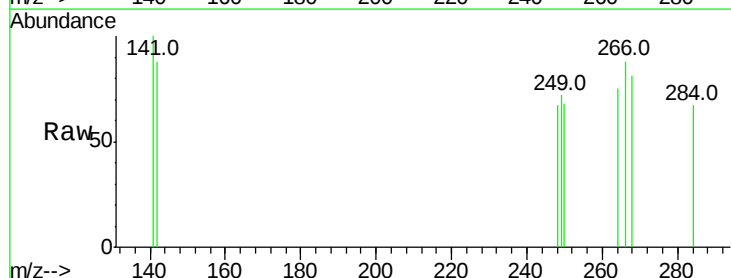
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

268 92.4 58.2 87.2#

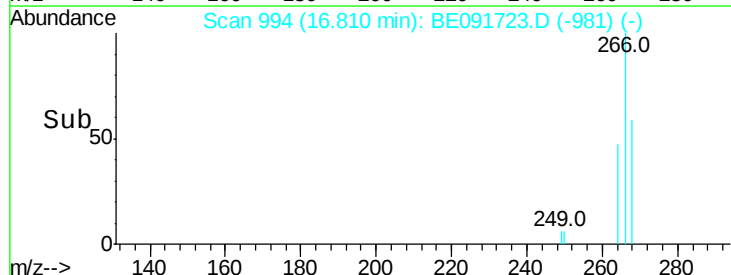
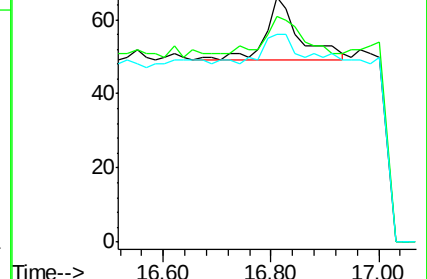
264 84.8 56.2 84.4#

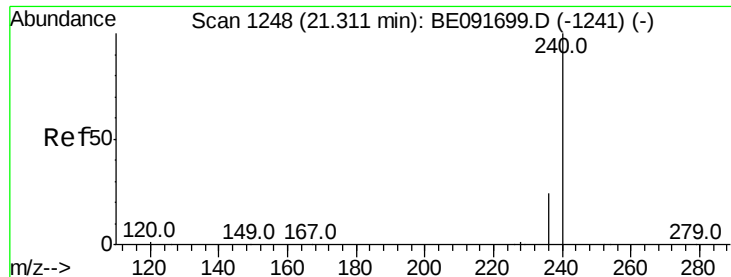


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

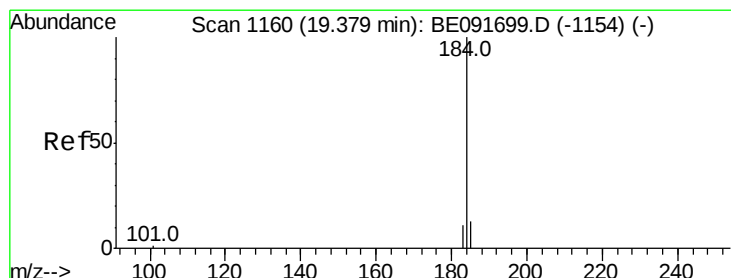
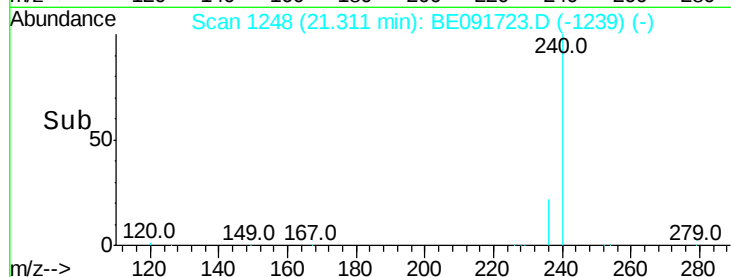
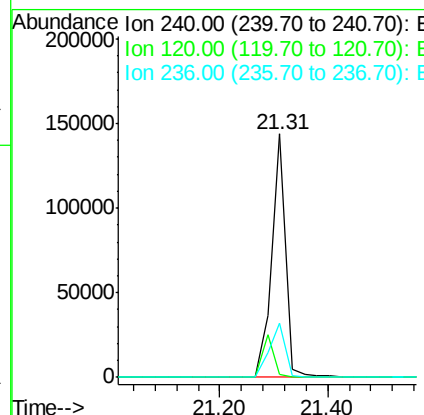
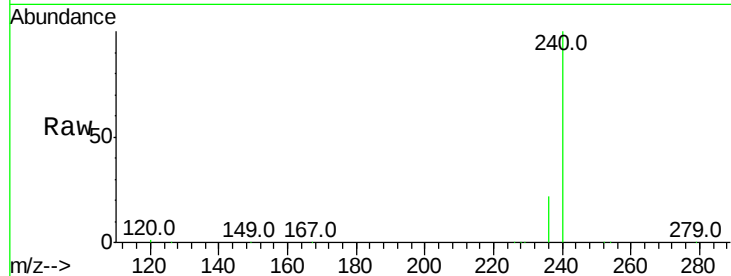




#26  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.31 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: BE091723.D  
Acq: 27 Apr 2016 13:10

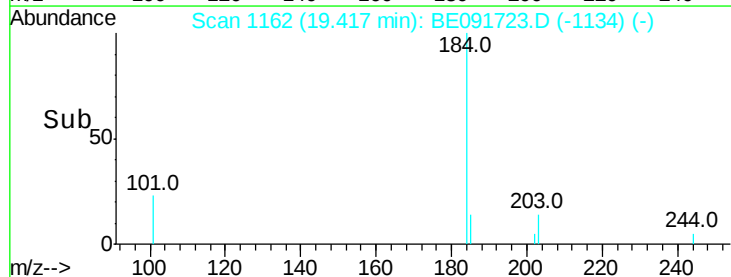
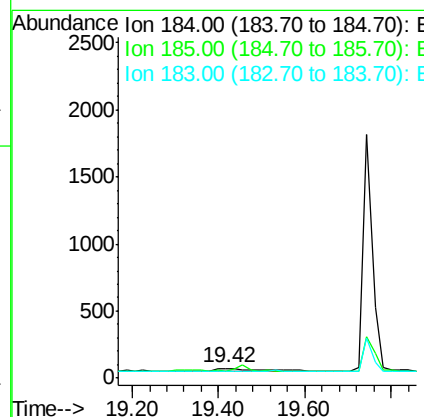
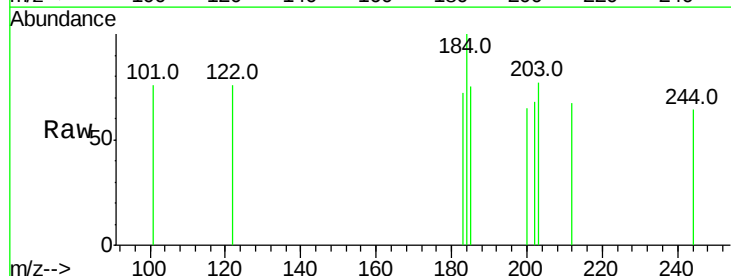
Instrument :  
BNA\_E  
ClientSampleId :  
PB90018BL

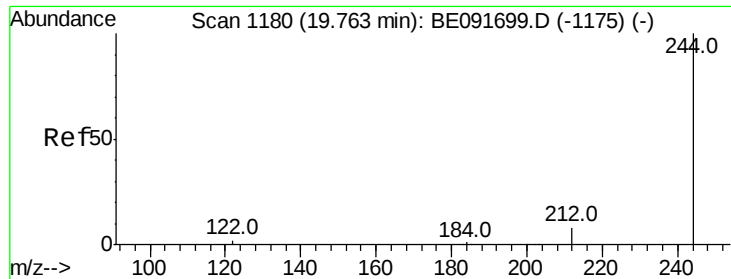
Tot Ion:240 Resp: 261661  
Ion Ratio Lower Upper  
240 100  
120 1.1 11.0 16.4#  
236 22.4 21.7 32.5



#27  
Benzidine  
Concen: 0.17 ng  
RT: 19.42 min Scan# 1162  
Delta R.T. 0.04 min  
Lab File: BE091723.D  
Acq: 27 Apr 2016 13:10

Tgt Ion:184 Resp: 139  
Ion Ratio Lower Upper  
184 100  
185 74.7 22.3 33.5#  
183 72.0 16.4 24.6#





#29

Terphenyl-d14

Concen: 3.75 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampled :

PB90018BL

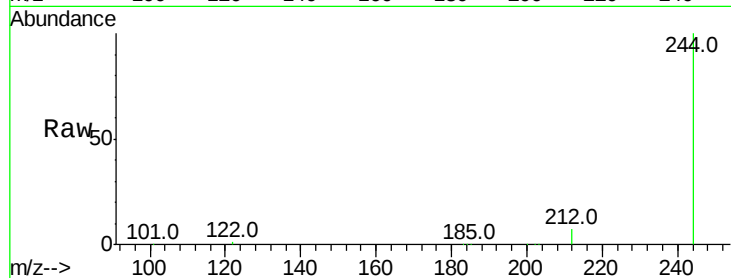
Tot Ion:244 Resp: 153105

Ion Ratio Lower Upper

244 100

212 7.5 6.9 10.3

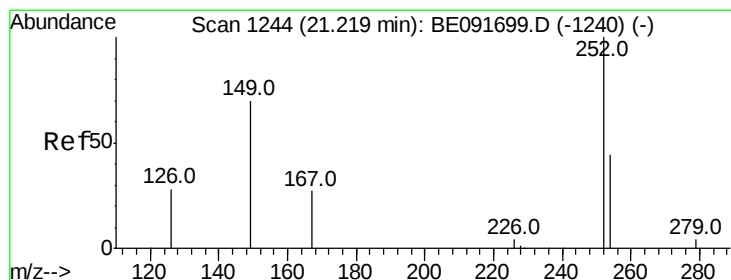
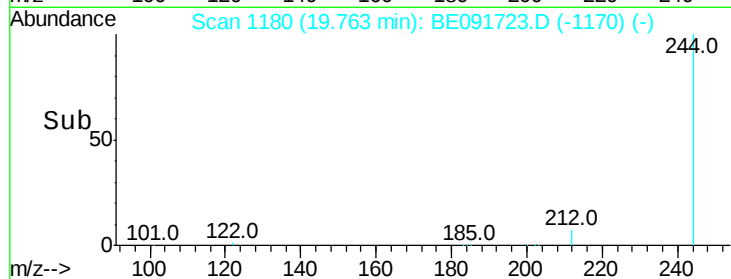
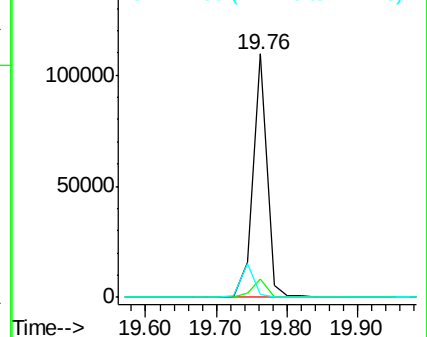
122 1.4 11.0 16.4#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

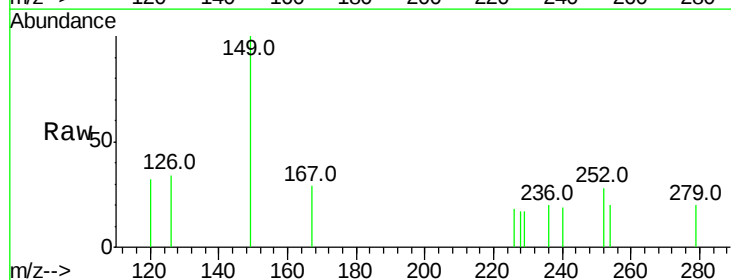
Tgt Ion:149 Resp: 449

Ion Ratio Lower Upper

149 100

167 0.0 19.5 29.3#

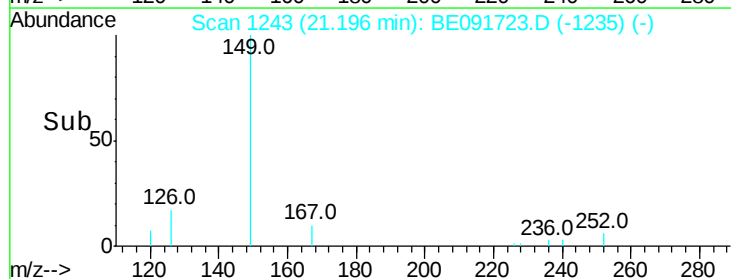
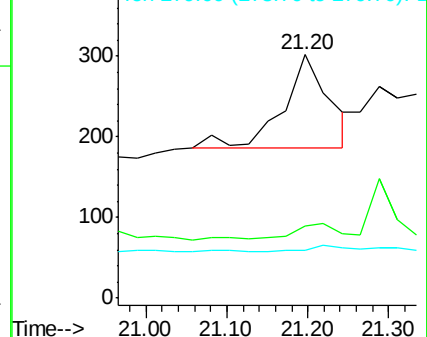
279 0.0 10.0 15.0#

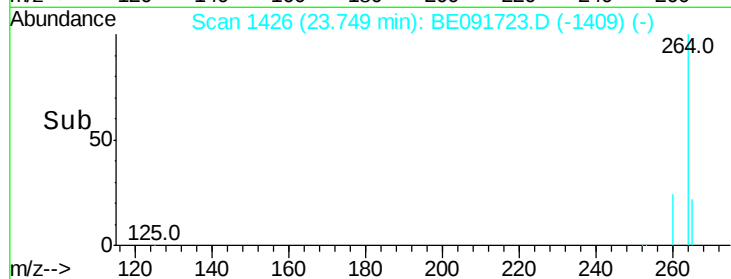
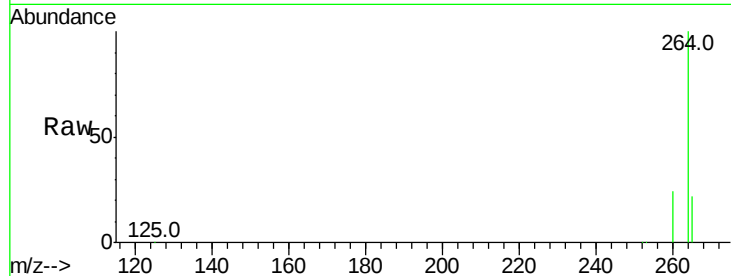
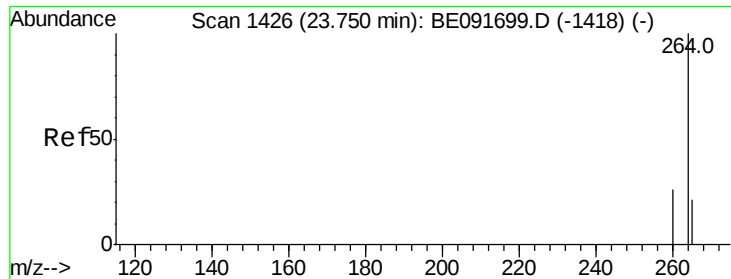


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.75 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091723.D

Acq: 27 Apr 2016 13:10

Instrument :

BNA\_E

ClientSampleId :

PB90018BL

Tot Ion:264 Resp: 257058

Ion Ratio Lower Upper

264 100

260 24.3 20.0 30.0

265 22.2 17.5 26.3

