

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022817\  
 Data File : BE092763.D  
 Acq On : 28 Feb 2017 15:08  
 Operator : SJ/MA  
 Sample : PB97227BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB97227BL

Quant Time: Mar 01 00:16:47 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 15 17:05:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 10636    | 5.00  | ng    | -0.02    |
| 7) Naphthalene-d8           | 10.88 | 136  | 41971    | 5.00  | ng    | -0.02    |
| 12) Acenaphthene-d10        | 14.75 | 164  | 20167    | 5.00  | ng    | -0.01    |
| 18) Phenanthrene-d10        | 17.51 | 188  | 48426    | 5.00  | ng    | 0.00     |
| 24) Chrysene-d12            | 21.68 | 240  | 65310    | 5.00  | ng    | -0.02    |
| 31) Perylene-d12            | 24.01 | 264  | 72018    | 5.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.59  | 112  | 21704    | 10.49 | ng    | -0.04    |
| 5) Phenol-d6                | 7.27  | 99   | 25400    | 10.00 | ng    | -0.05    |
| 8) Nitrobenzene-d5          | 9.27  | 82   | 11405    | 4.04  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol    | 16.26 | 330  | 4345     | 10.15 | ng    | -0.02    |
| 14) 2-Fluorobiphenyl        | 13.38 | 172  | 24470    | 4.98  | ng    | -0.02    |
| 26) Terphenyl-d14           | 20.12 | 244  | 35942    | 4.31  | ng    | -0.02    |

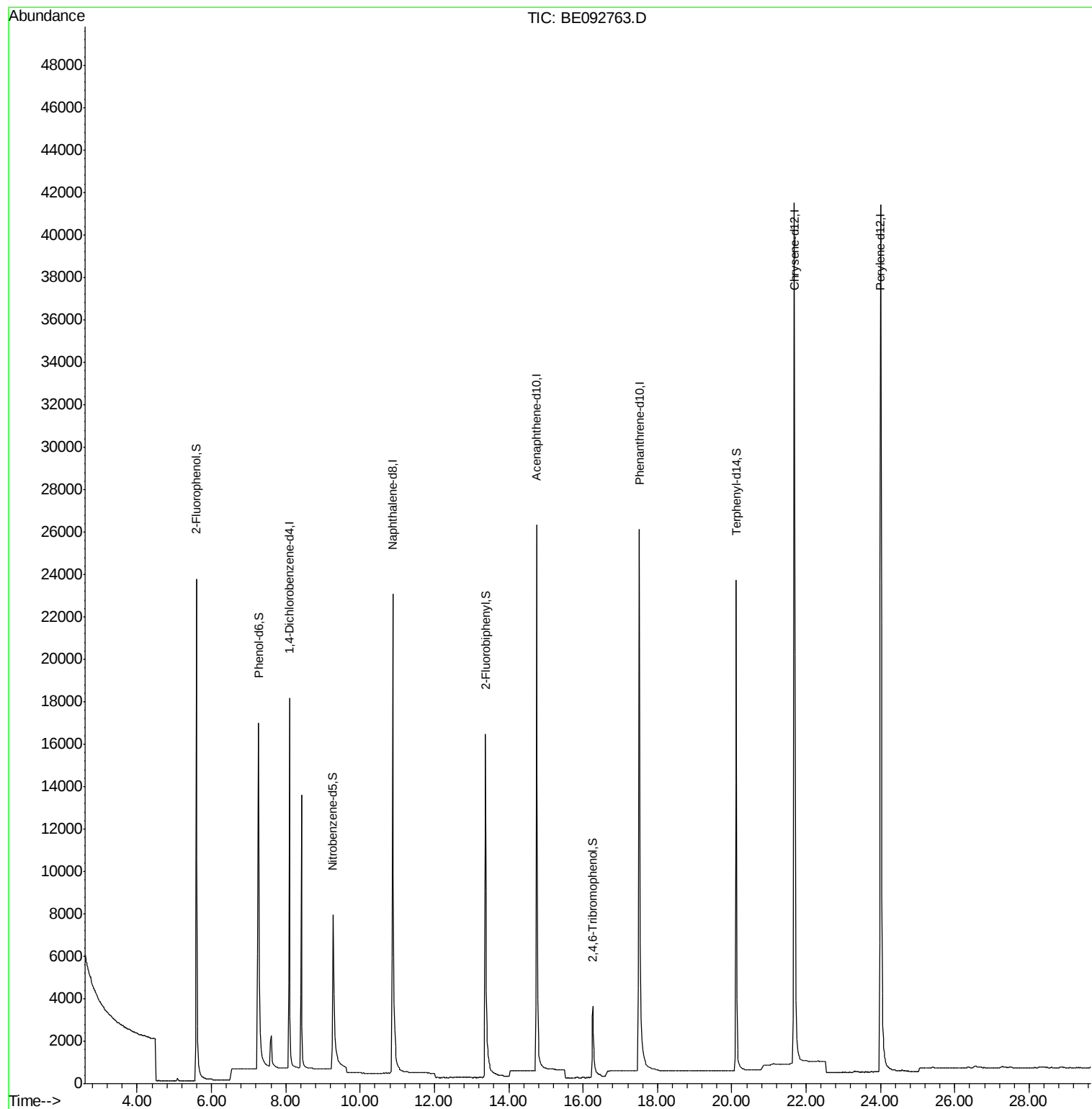
Target Compounds Qvalue

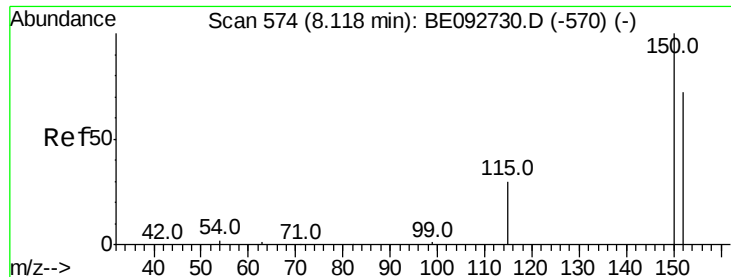
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 15 17:05:20 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

Instrument :

BNA\_E

ClientSampleId :

PB97227BL

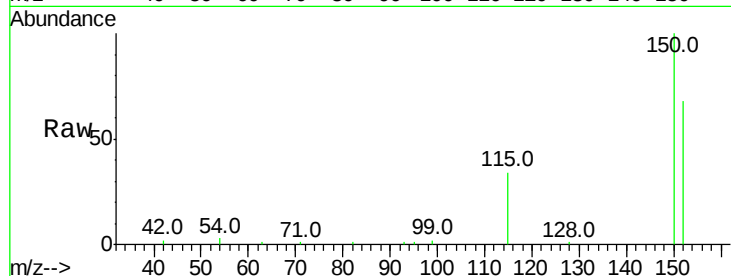
Tot Ion:152 Resp: 10636

Ion Ratio Lower Upper

152 100

150 147.7 106.0 159.0

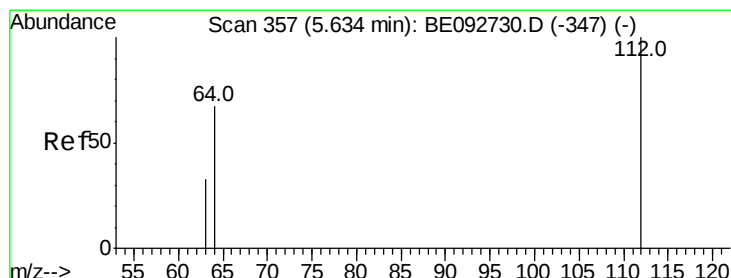
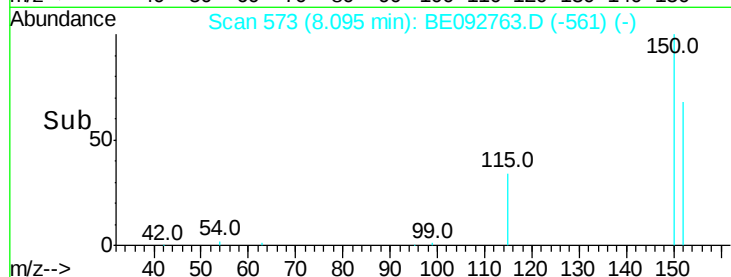
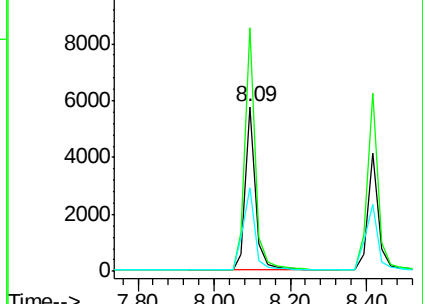
115 50.9 31.2 46.8#



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



#4

2-Fluorophenol

Concen: 10.49 ng

RT: 5.59 min Scan# 350

Delta R.T. -0.04 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

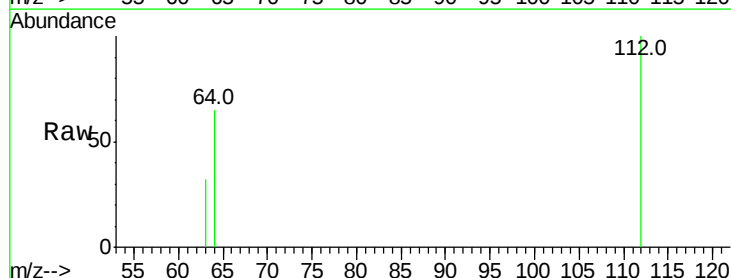
Tgt Ion:112 Resp: 21704

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

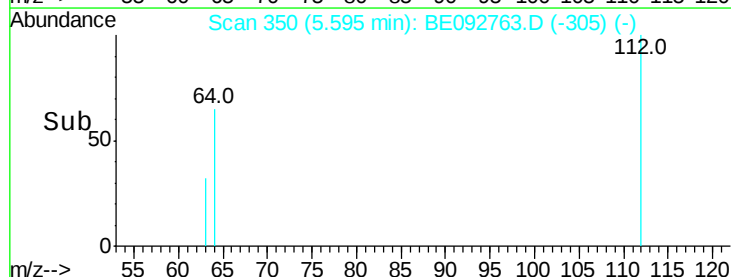
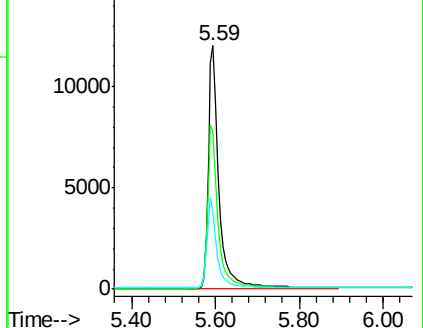
63 36.3 27.9 41.9

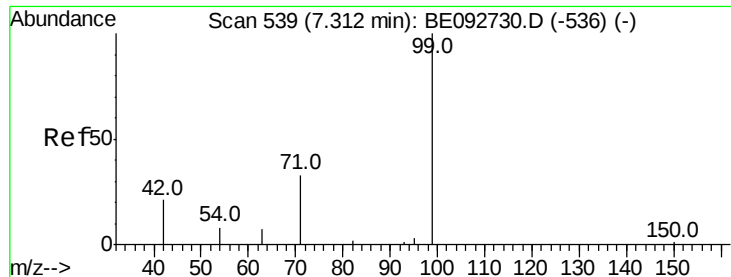


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 10.00 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

Instrument :

BNA\_E

ClientSampleId :

PB97227BL

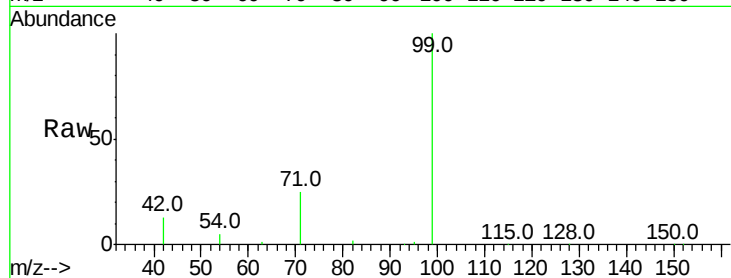
Tot Ion: 99 Resp: 25400

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

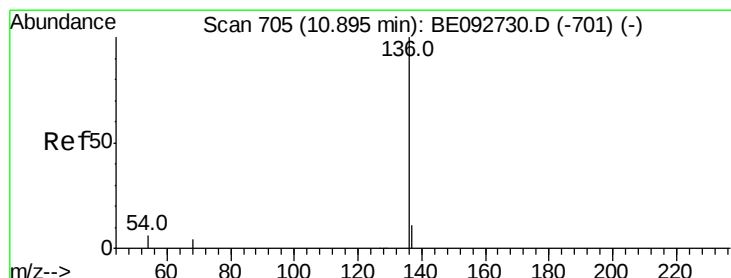
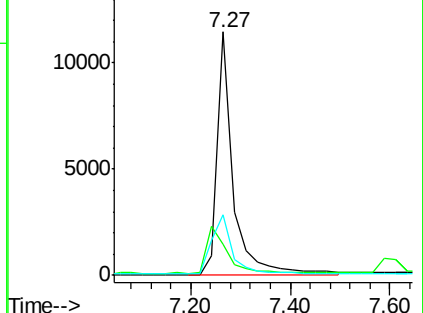
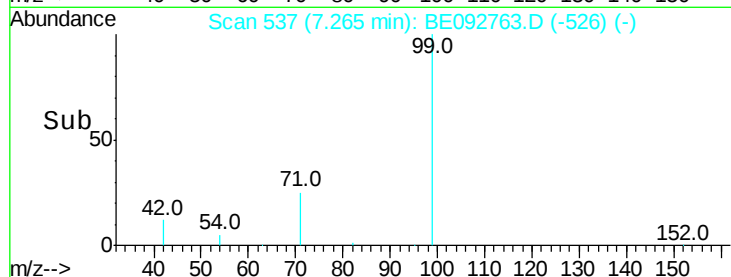
71 33.0 30.6 45.8



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

Tgt Ion: 136 Resp: 41971

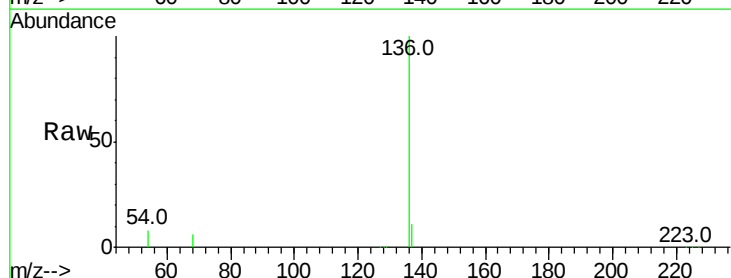
Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.4

54 8.4 9.6 14.4#

68 6.1 6.7 10.1#

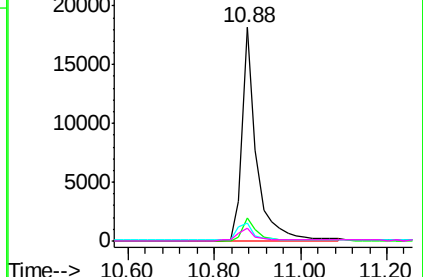
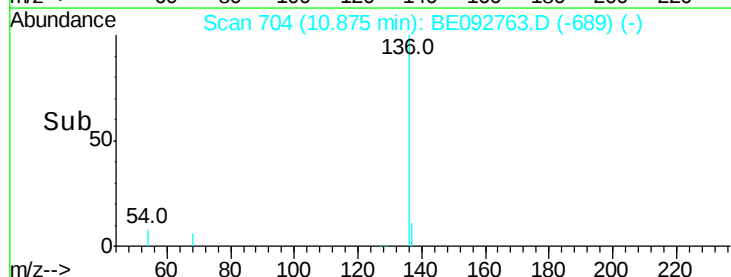


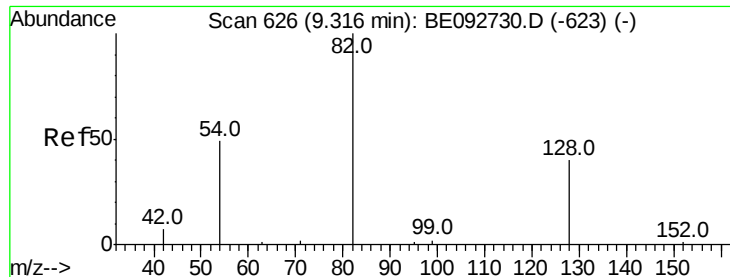
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 4.04 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

Instrument :

BNA\_E

ClientSampleId :

PB97227BL

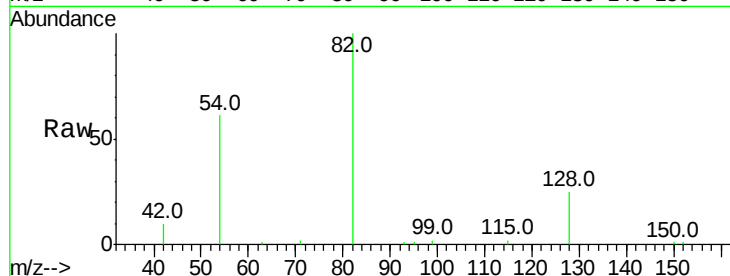
Tot Ion: 82 Resp: 11405

Ion Ratio Lower Upper

82 100

128 24.6 39.0 58.4#

54 60.6 44.8 67.2

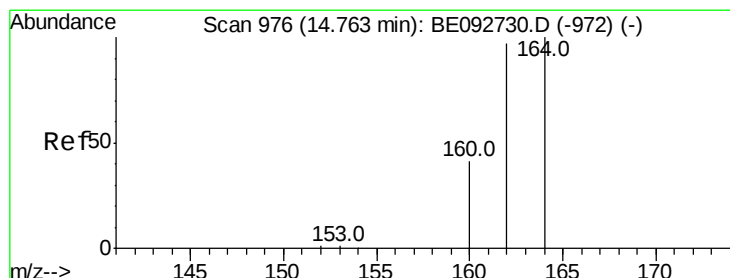
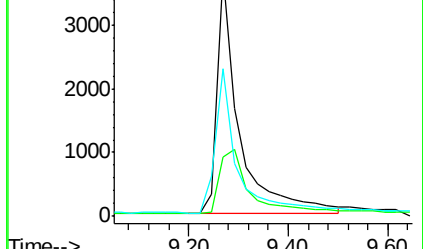
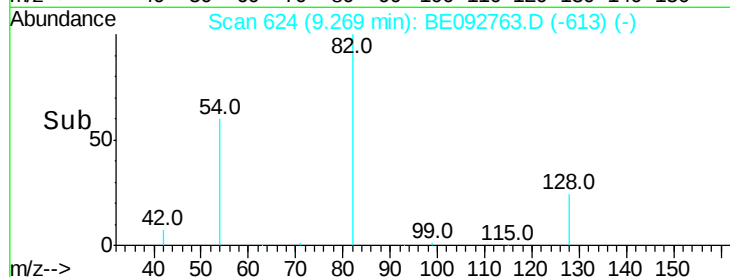


Abundance Ion 82.00 (81.70 to 82.70): BE092730.D (-623) (-)

Ion 128.00 (127.70 to 128.70): BE092730.D (-623) (-)

Ion 54.00 (53.70 to 54.70): BE092730.D (-623) (-)

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 976

Delta R.T. -0.01 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

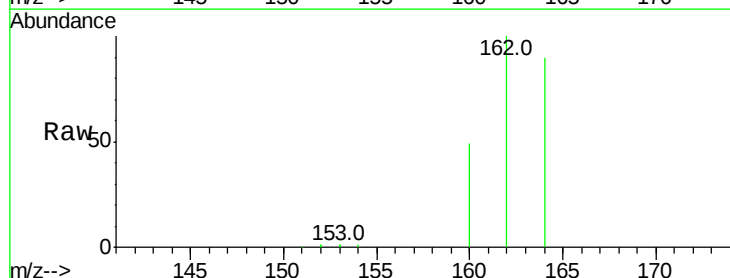
Tgt Ion:164 Resp: 20167

Ion Ratio Lower Upper

164 100

162 111.1 71.4 107.0#

160 54.7 27.4 41.2#

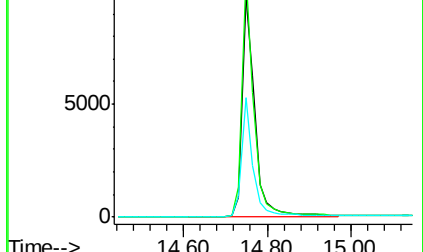
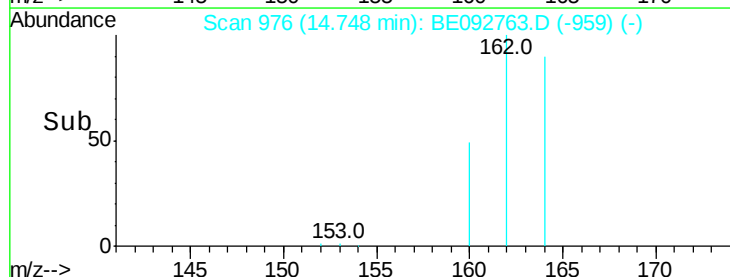


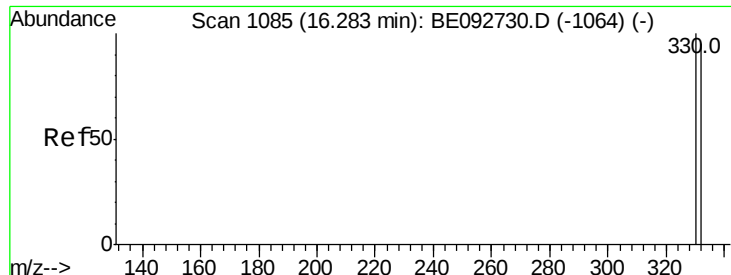
Abundance Ion 164.00 (163.70 to 164.70): BE092730.D (-972) (-)

Ion 162.00 (161.70 to 162.70): BE092730.D (-972) (-)

Ion 160.00 (159.70 to 160.70): BE092730.D (-972) (-)

Time-->

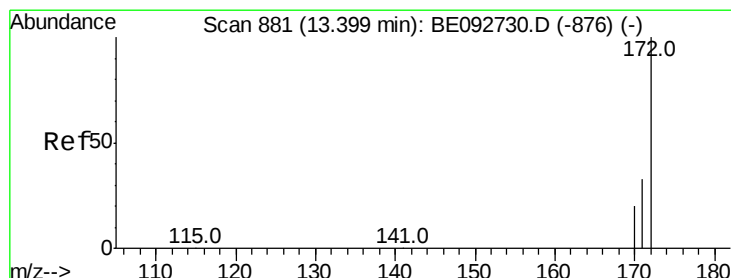
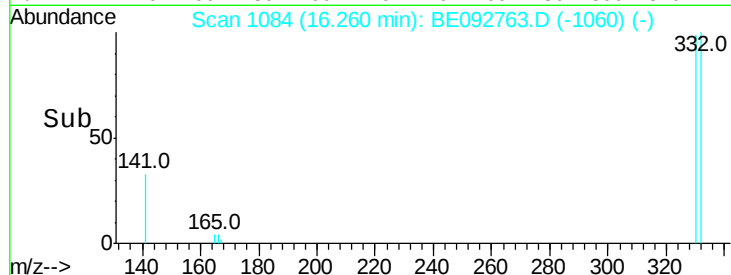
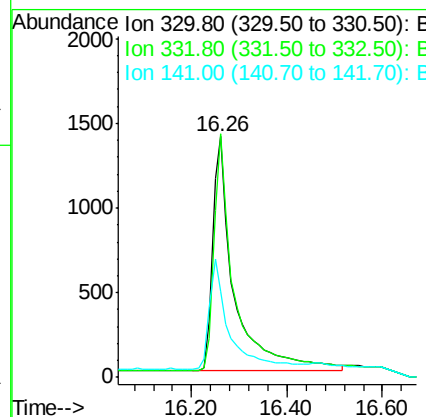
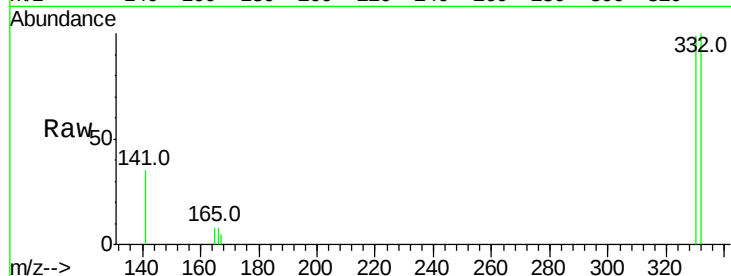




#13  
 2,4,6-Tribromophenol  
 Concen: 10.15 ng  
 RT: 16.26 min Scan# 1084  
 Delta R.T. -0.02 min  
 Lab File: BE092763.D  
 Acq: 28 Feb 2017 15:08

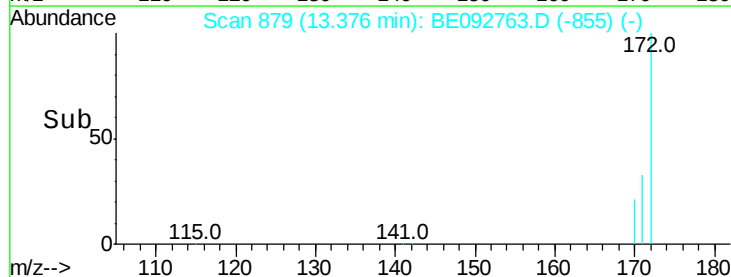
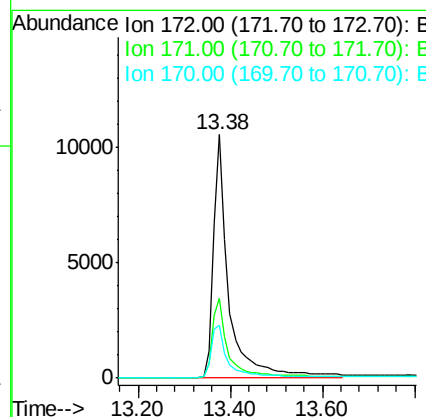
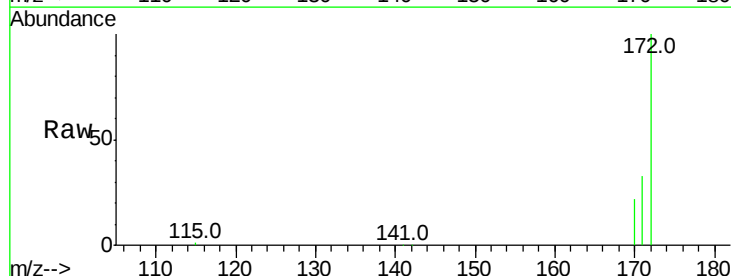
Instrument :  
 BNA\_E  
 ClientSampleId :  
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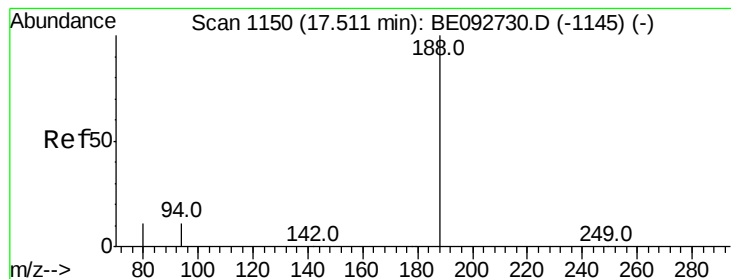
Tot Ion:330 Resp: 4345  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 75.4 113.0  
 141 42.5 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 4.98 ng  
 RT: 13.38 min Scan# 879  
 Delta R.T. -0.02 min  
 Lab File: BE092763.D  
 Acq: 28 Feb 2017 15:08

Tgt Ion:172 Resp: 24470  
 Ion Ratio Lower Upper  
 172 100  
 171 32.9 30.1 45.1  
 170 21.6 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.51 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

Instrument :

BNA\_E

ClientSampleId :

PB97227BL

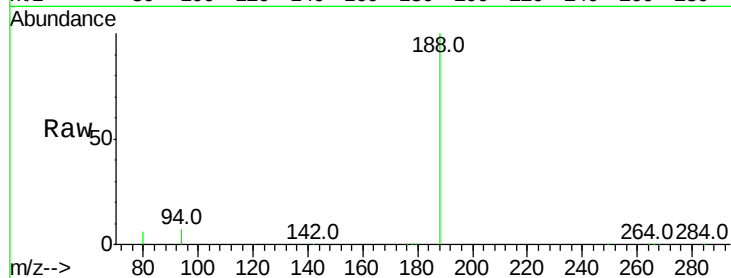
Tot Ion:188 Resp: 48426

Ion Ratio Lower Upper

188 100

94 6.8 3.2 4.8#

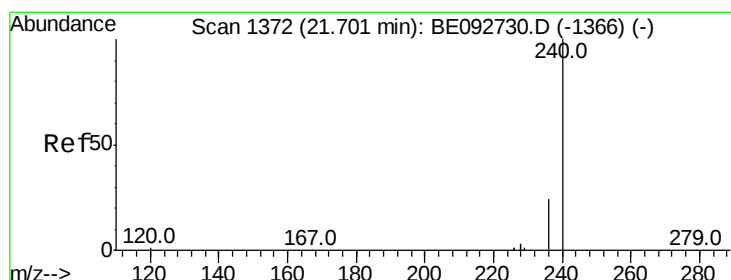
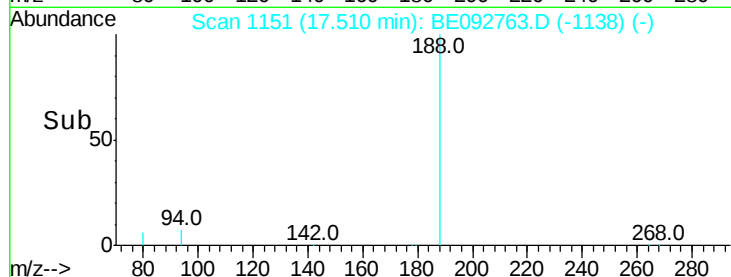
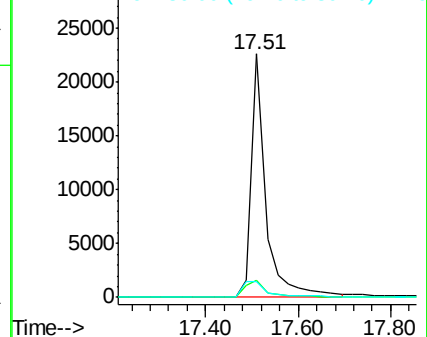
80 6.4 2.6 3.8#



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092763.D

Acq: 28 Feb 2017 15:08

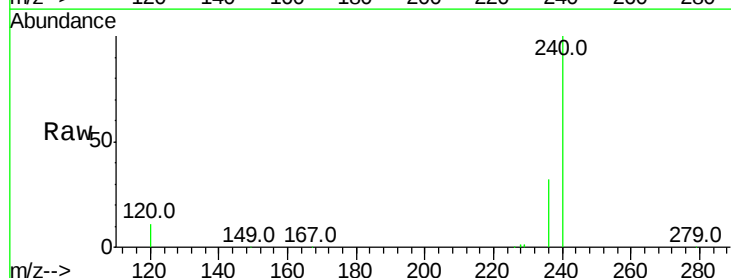
Tgt Ion:240 Resp: 65310

Ion Ratio Lower Upper

240 100

120 10.8 2.6 4.0#

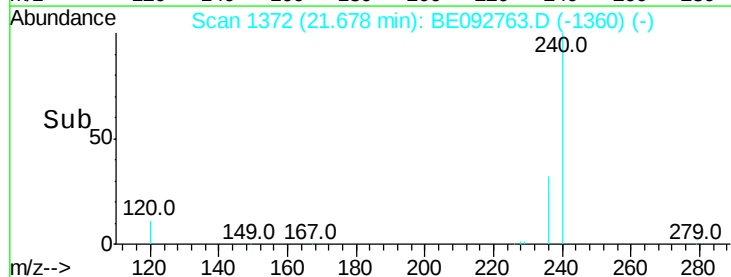
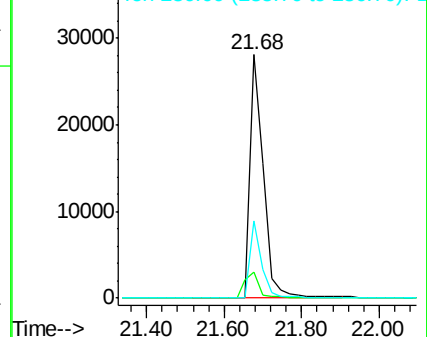
236 31.9 24.6 37.0

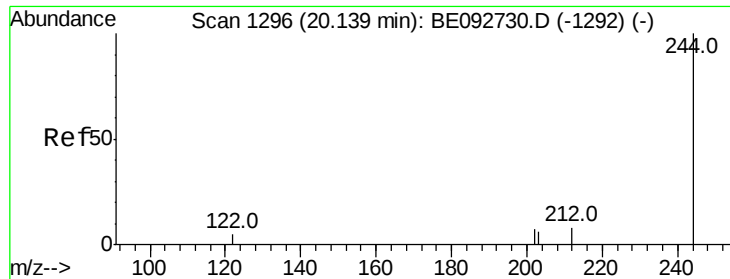


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

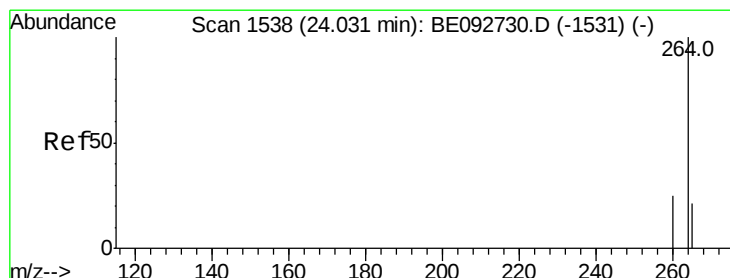
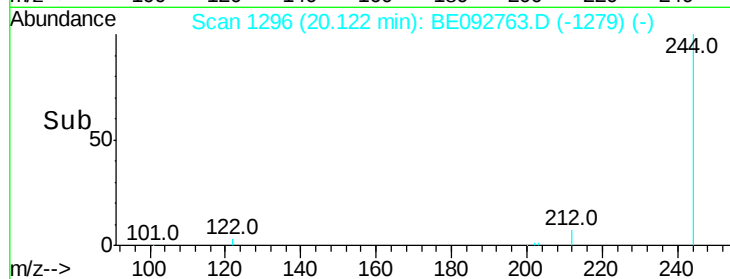
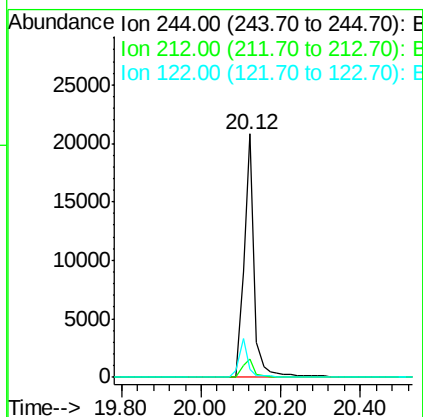
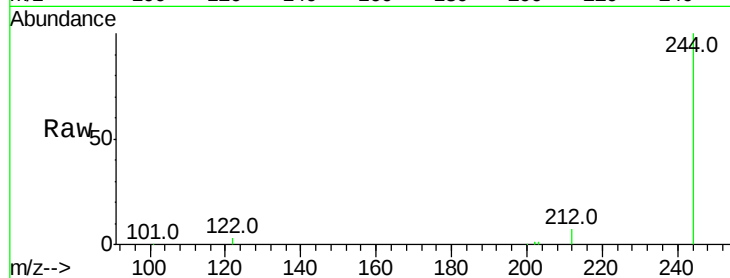




#26  
 Terphenyl-d14  
 Concen: 4.31 ng  
 RT: 20.12 min Scan# 1296  
 Delta R.T. -0.02 min  
 Lab File: BE092763.D  
 Acq: 28 Feb 2017 15:08

Instrument :  
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Tot Ion:244 Resp: 35942  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.7 10.1  
 122 3.5 3.6 5.4#



#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.01 min Scan# 1537  
 Delta R.T. -0.02 min  
 Lab File: BE092763.D  
 Acq: 28 Feb 2017 15:08

Tgt Ion:264 Resp: 72018  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 20.1 30.1  
 265 21.0 17.9 26.9

