

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE011416\  
 Data File : BE091364.D  
 Acq On : 14 Jan 2016 23:36  
 Operator : UM/IZ  
 Sample : PB87820BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB87820BL

Quant Time: Jan 15 01:41:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE011416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 14 23:29:02 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 20177    | 5.00 | ng    | 0.00     |
| 4) Naphthalene-d8           | 9.56  | 136  | 74971    | 5.00 | ng    | 0.01     |
| 8) Acenaphthene-d10         | 13.37 | 164  | 31338    | 5.00 | ng    | 0.02     |
| 14) Phenanthrene-d10        | 16.09 | 188  | 103693   | 5.00 | ng    | 0.01     |
| 18) Chrysene-d12            | 20.23 | 240  | 87848    | 5.00 | ng    | 0.01     |
| 24) Perylene-d12            | 22.10 | 264  | 73254    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 2) 2-Fluorophenol           | 4.91  | 112  | 24195    | 7.53 | ng    | -0.03    |
| 3) Phenol-d6                | 6.56  | 99   | 33806    | 6.23 | ng    | -0.01    |
| 5) Nitrobenzene-d5          | 8.19  | 82   | 19285    | 4.44 | ng    | 0.02     |
| 9) 2,4,6-Tribromophenol     | 14.89 | 330  | 4105     | 4.01 | ng    | 0.00     |
| 10) 2-Fluorobiphenyl        | 12.02 | 172  | 36256    | 5.35 | ng    | 0.01     |
| 20) Terphenyl-d14           | 18.62 | 244  | 49470    | 4.01 | ng    | 0.00     |

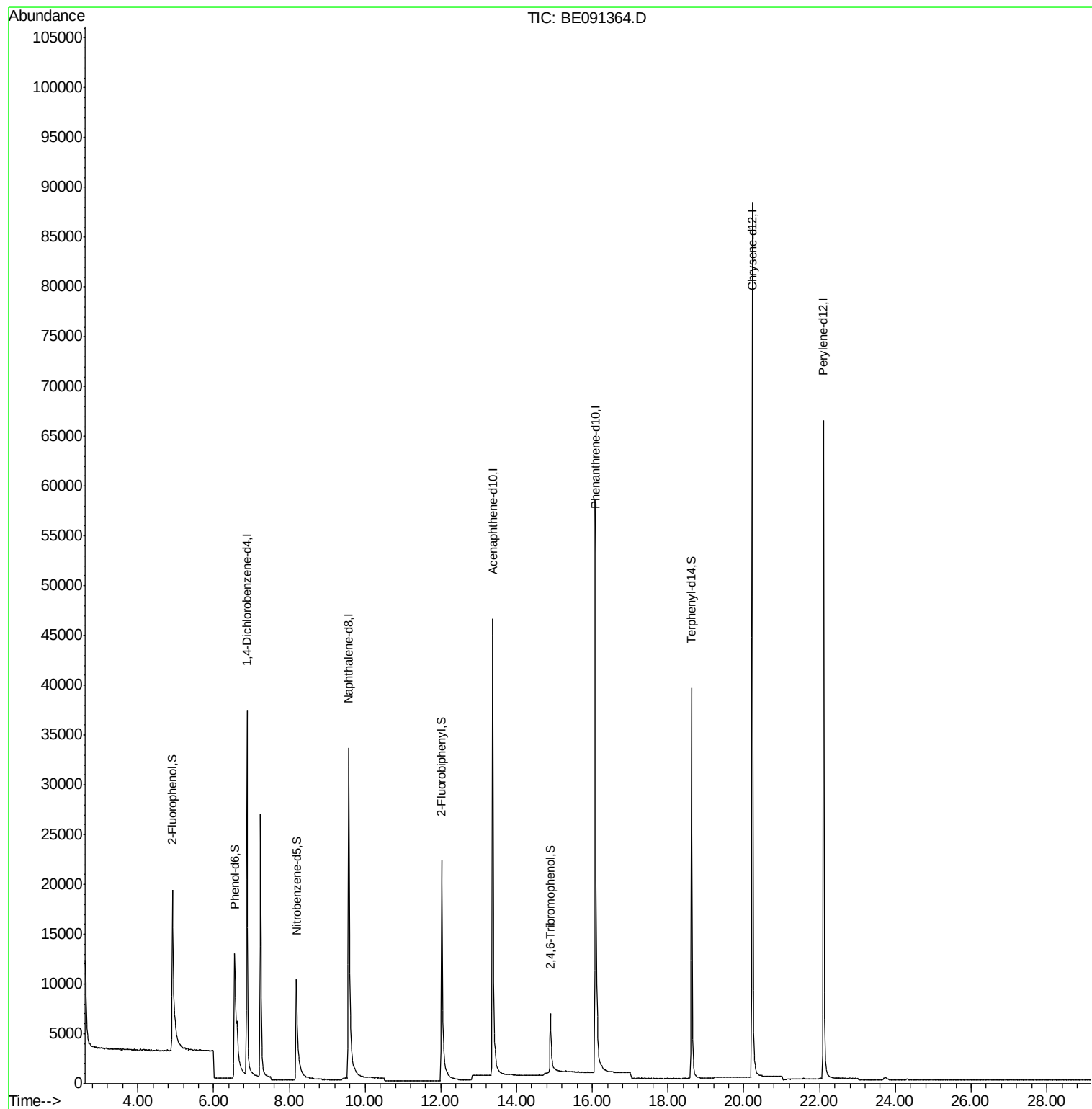
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

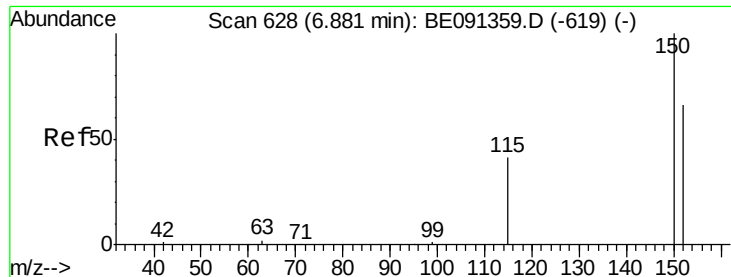
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 23:29:02 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.88 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Instrument :

BNA\_E

ClientSampleId :

PB87820BL

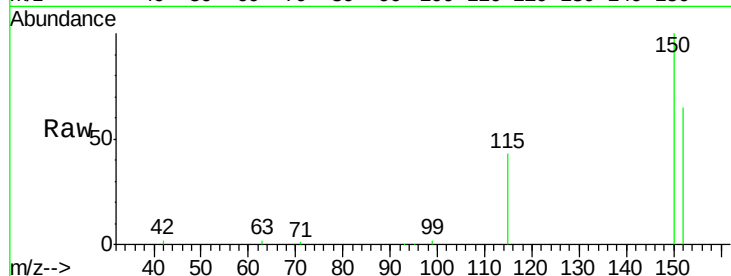
Tgt Ion:152 Resp: 20177

Ion Ratio Lower Upper

152 100

150 154.7 121.6 182.4

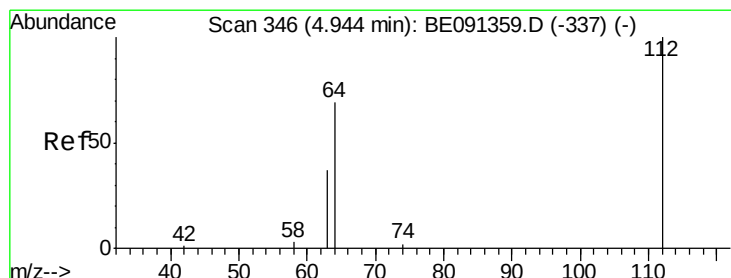
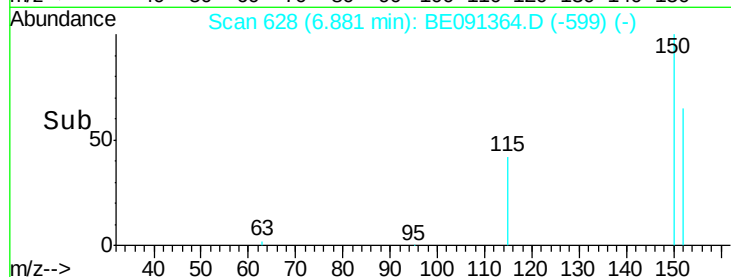
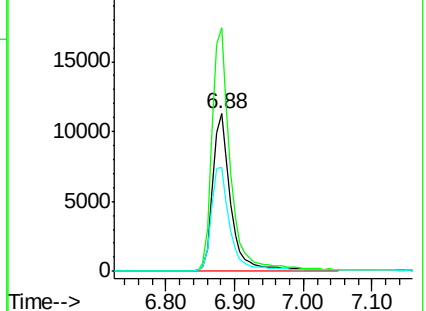
115 65.8 50.6 75.8



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

2-Fluorophenol

Concen: 7.53 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.03 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

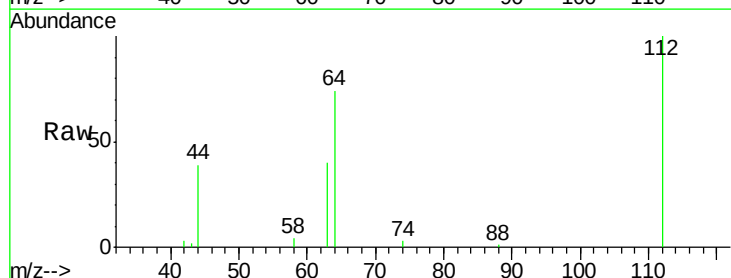
Tgt Ion:112 Resp: 24195

Ion Ratio Lower Upper

112 100

64 71.4 57.4 86.0

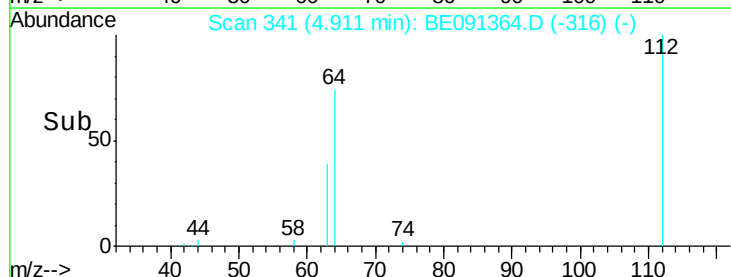
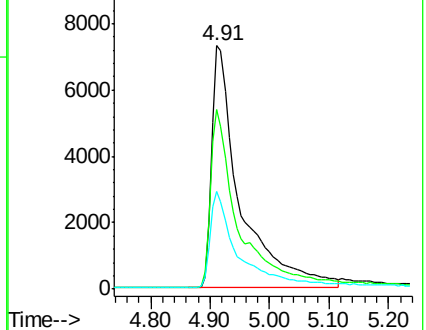
63 38.5 32.2 48.2

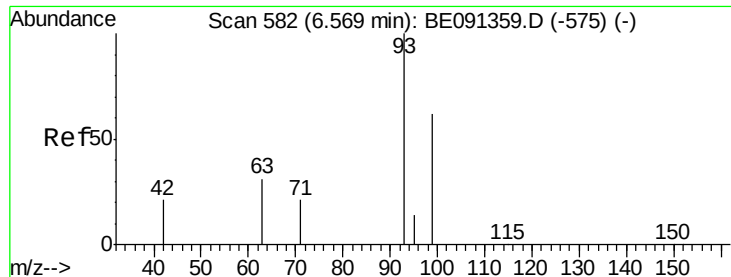


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 6.23 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Instrument :

BNA\_E

ClientSampleId :

PB87820BL

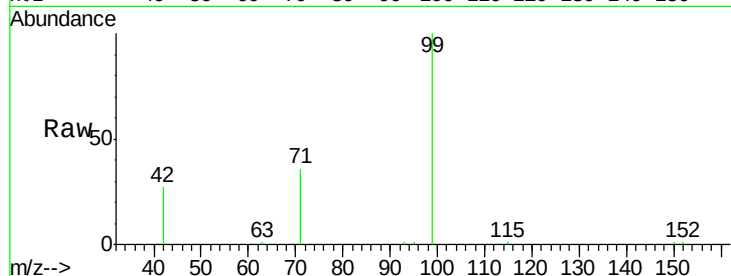
Tgt Ion: 99 Resp: 33806

Ion Ratio Lower Upper

99 100

42 16.8 22.9 34.3#

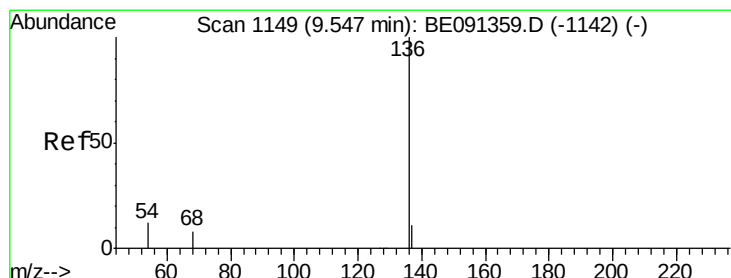
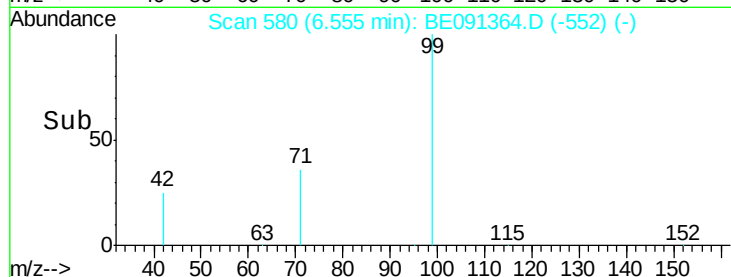
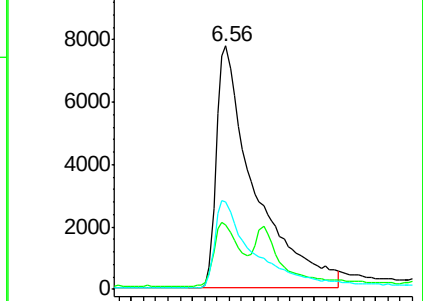
71 36.4 35.4 53.2



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



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.56 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Tgt Ion: 136 Resp: 74971

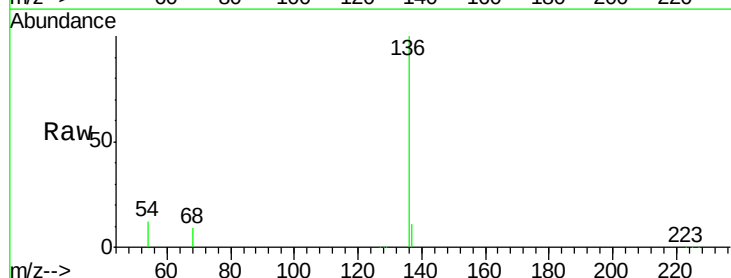
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 12.3 9.8 14.6

68 8.5 6.6 10.0

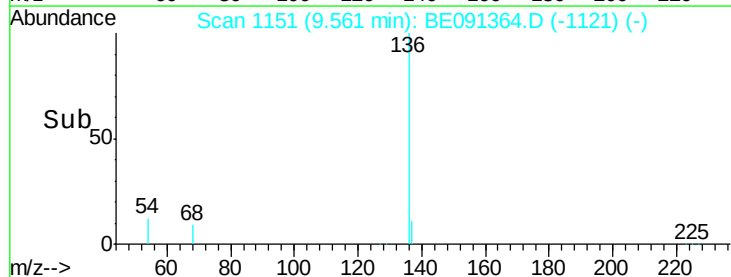
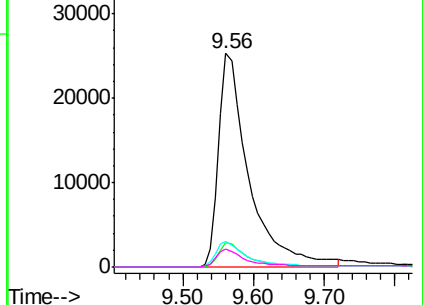


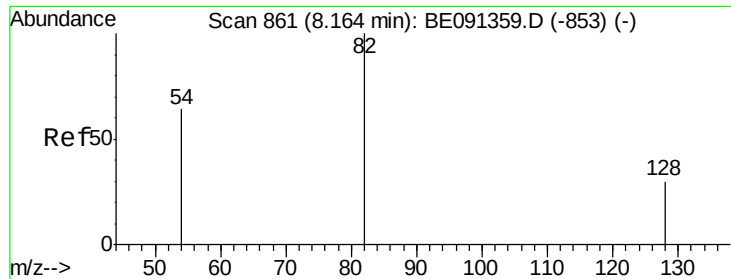
Abundance Ion 136.00 (135.70 to 136.70): E

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





#5

Nitrobenzene-d5

Concen: 4.44 ng

RT: 8.19 min Scan# 866

Delta R.T. 0.02 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Instrument :

BNA\_E

ClientSampleId :

PB87820BL

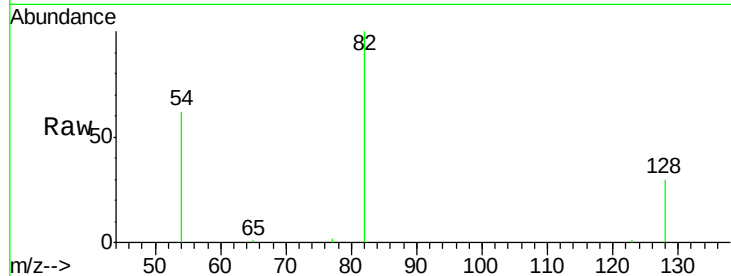
Tgt Ion: 82 Resp: 19285

Ion Ratio Lower Upper

82 100

128 29.9 24.6 36.8

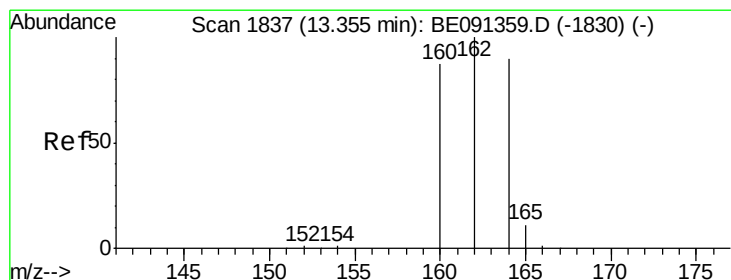
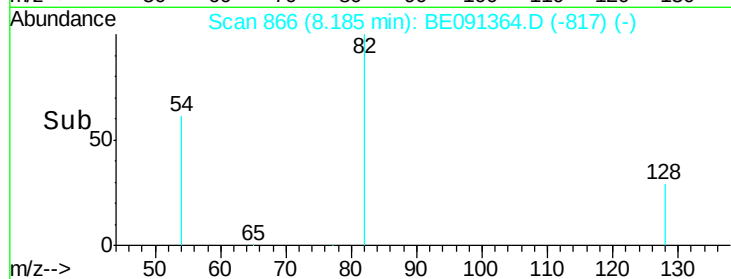
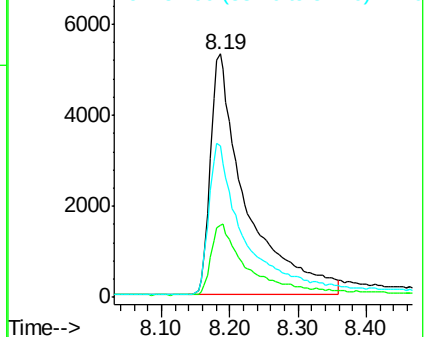
54 62.1 52.7 79.1



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



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.37 min Scan# 1839

Delta R.T. 0.02 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

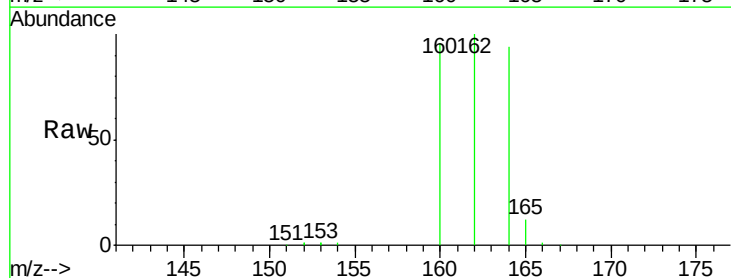
Tgt Ion: 164 Resp: 31338

Ion Ratio Lower Upper

164 100

162 106.0 88.5 132.7

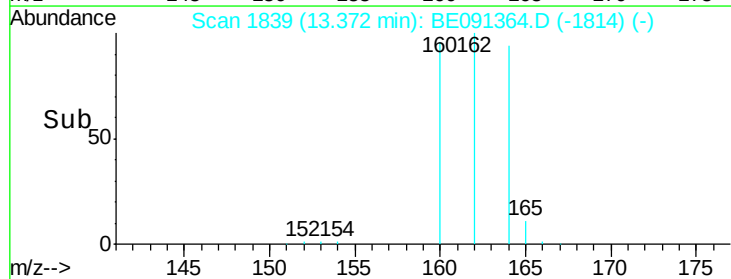
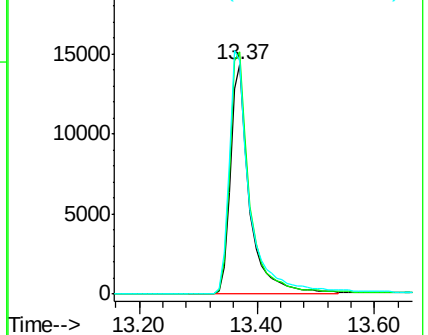
160 101.8 76.7 115.1

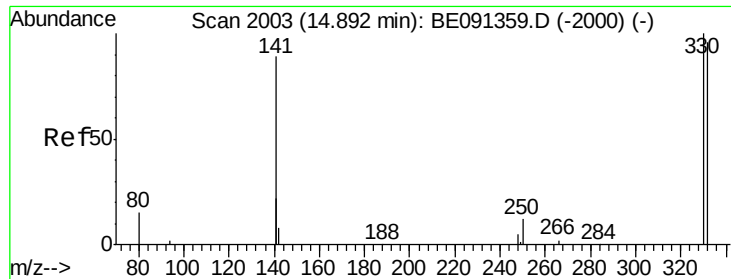


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2,4,6-Tribromophenol

Concen: 4.01 ng

RT: 14.89 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Instrument :

BNA\_E

ClientSampleId :

PB87820BL

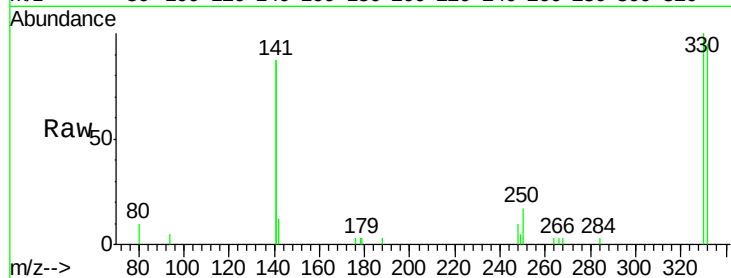
Tgt Ion:330 Resp: 4105

Ion Ratio Lower Upper

330 100

332 98.4 78.6 118.0

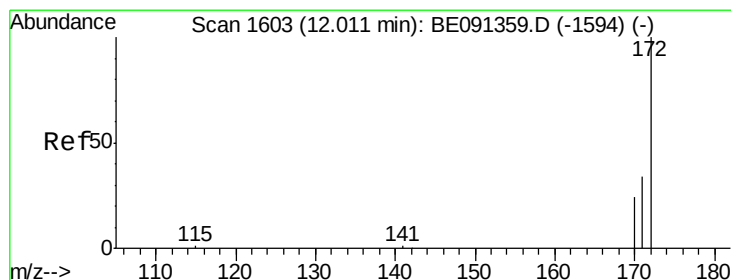
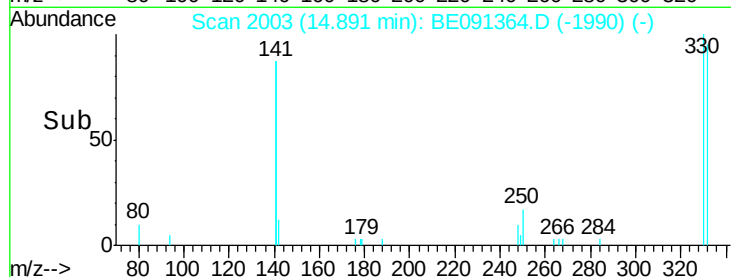
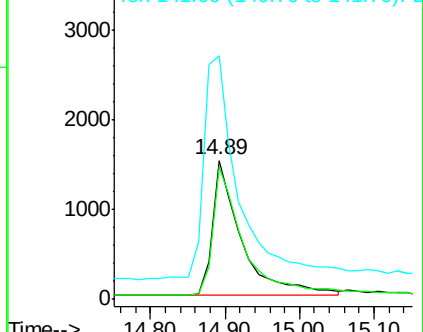
141 192.8 147.8 221.8



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



#10

2-Fluorobiphenyl

Concen: 5.35 ng

RT: 12.02 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

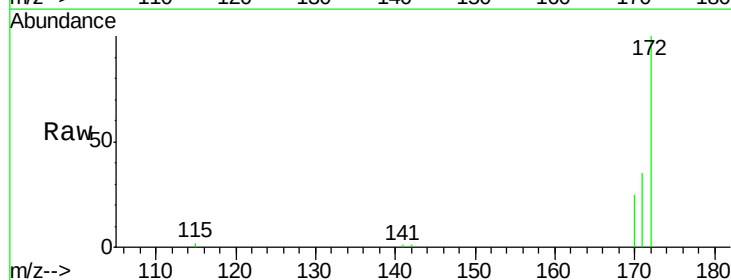
Tgt Ion:172 Resp: 36256

Ion Ratio Lower Upper

172 100

171 35.3 27.3 40.9

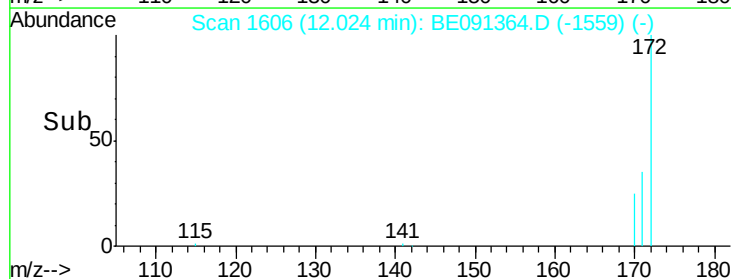
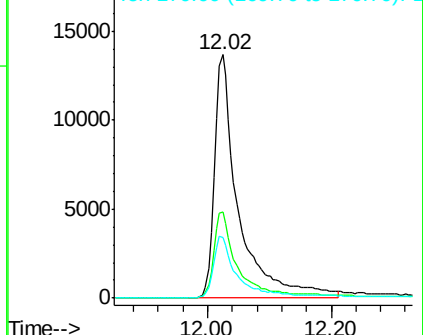
170 24.8 19.8 29.6

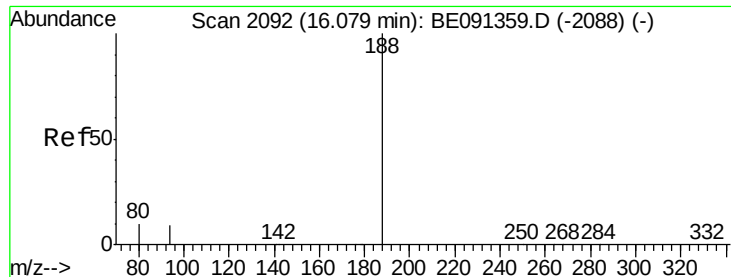


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

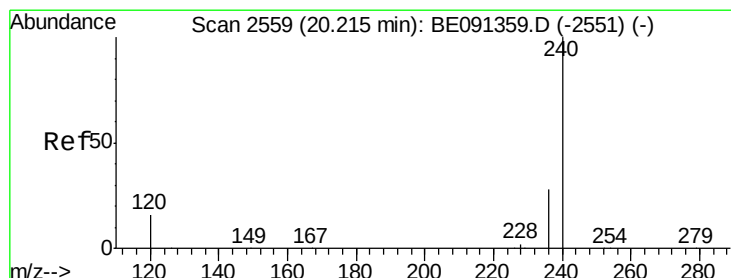
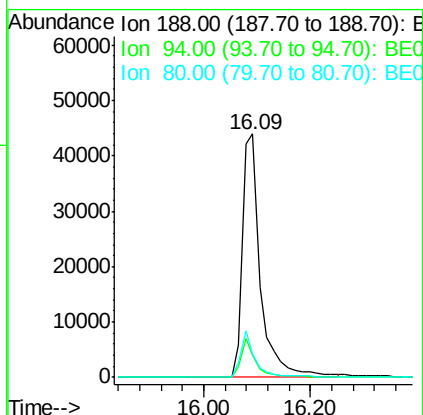
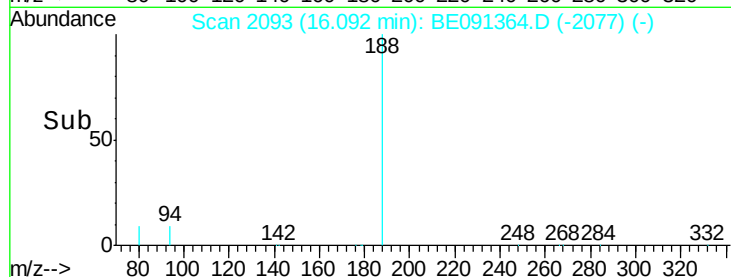
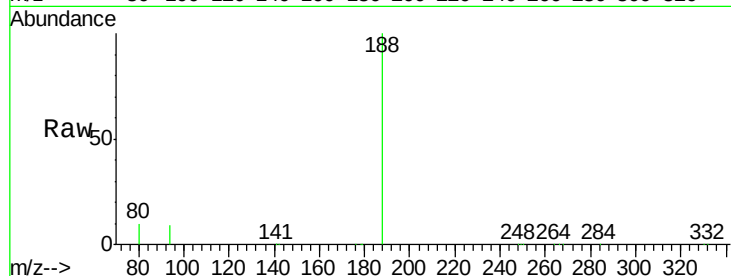




#14  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.09 min Scan# 2093  
Delta R.T. 0.01 min  
Lab File: BE091364.D  
Acq: 14 Jan 2016 23:36

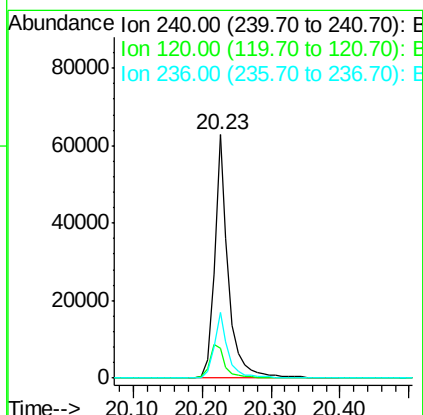
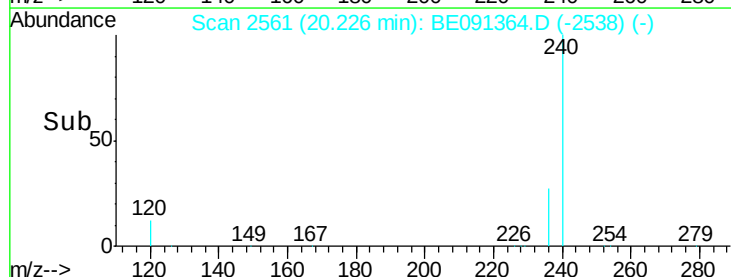
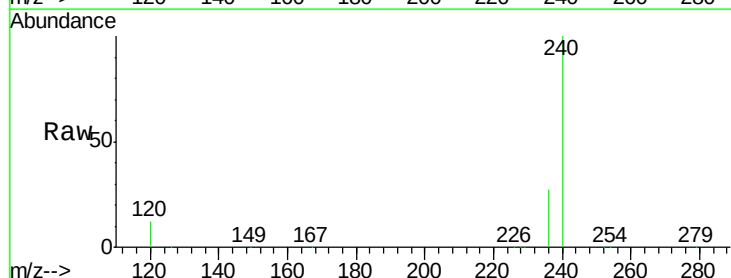
Instrument :  
BNA\_E  
ClientSampleId :  
PB87820BL

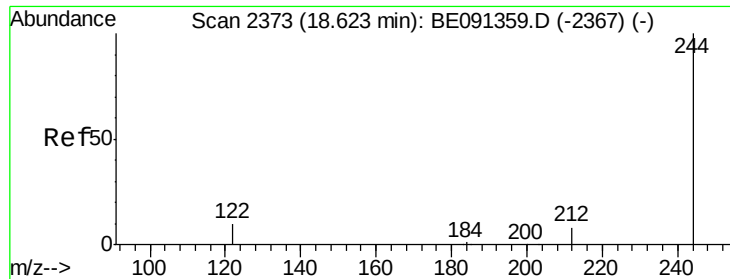
Tgt Ion:188 Resp: 103693  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.5 11.3  
80 9.6 8.2 12.2



#18  
Chrysene-d12  
Concen: 5.00 ng  
RT: 20.23 min Scan# 2561  
Delta R.T. 0.01 min  
Lab File: BE091364.D  
Acq: 14 Jan 2016 23:36

Tgt Ion:240 Resp: 87848  
Ion Ratio Lower Upper  
240 100  
120 12.1 12.6 19.0#  
236 27.0 22.7 34.1





#20

Terphenyl-d14

Concen: 4.01 ng

RT: 18.62 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

Instrument :

BNA\_E

ClientSampleId :

PB87820BL

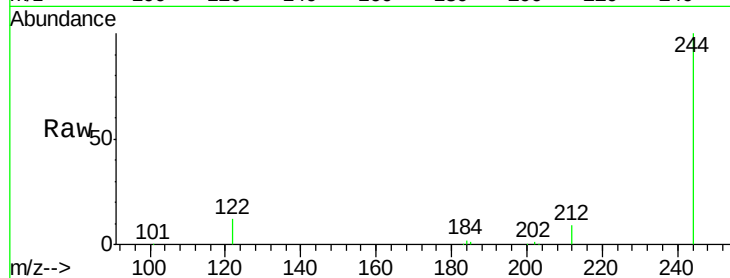
Tgt Ion:244 Resp: 49470

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

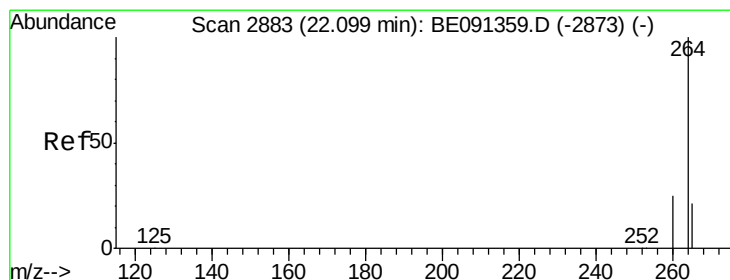
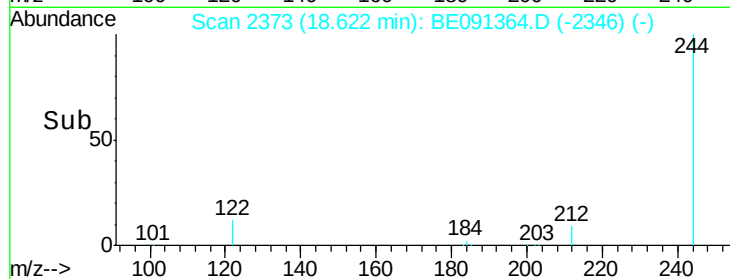
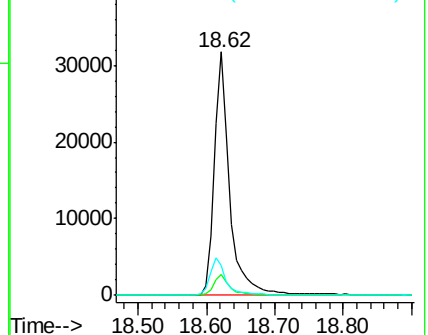
122 12.1 8.5 12.7



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



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.10 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BE091364.D

Acq: 14 Jan 2016 23:36

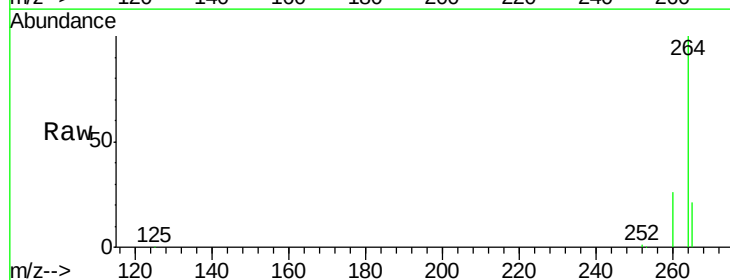
Tgt Ion:264 Resp: 73254

Ion Ratio Lower Upper

264 100

260 25.8 20.4 30.6

265 20.8 17.2 25.8



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

