

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090415\  
 Data File : BE090727.D  
 Acq On : 4 Sep 2015 13:24  
 Operator : UM/IZ  
 Sample : G3521-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0830006-20150901

Quant Time: Sep 04 14:07:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 11:40:50 2015  
 Response via : Initial Calibration

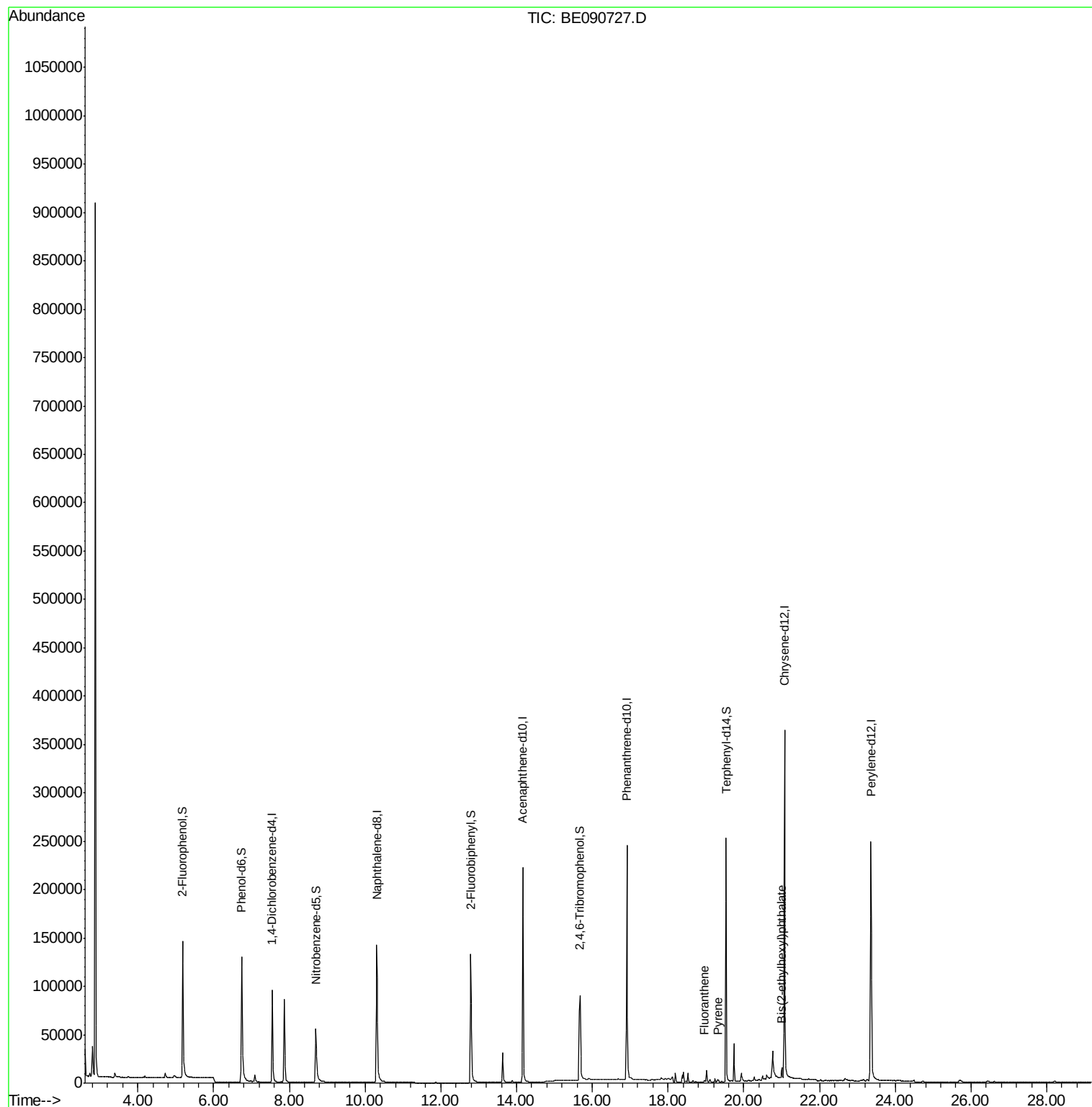
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 51159    | 5.00  | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.31 | 136  | 238895   | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.17 | 164  | 129944   | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.91 | 188  | 306764   | 5.00  | ng    | 0.00     |
| 25) Chrysene-d12               | 21.07 | 240  | 372419   | 5.00  | ng    | 0.00     |
| 32) Perylene-d12               | 23.36 | 264  | 349912   | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.18  | 112  | 117836   | 11.81 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.74  | 99   | 178980   | 12.56 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.70  | 82   | 81169    | 5.14  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.67 | 330  | 49213    | 12.81 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.79 | 172  | 166502   | 4.63  | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.53 | 244  | 266121   | 6.46  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 24) Fluoranthene               | 18.96 | 202  | 2535     | 0.03  | ng    | # 94     |
| 26) Pyrene                     | 19.32 | 202  | 2814     | 0.04  | ng    | # 86     |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 9802     | 0.51  | ng    | 98       |

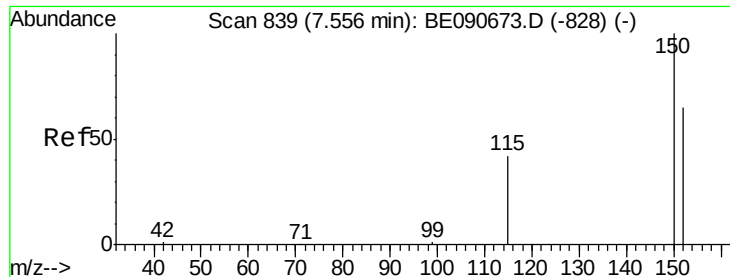
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090415\  
Data File : BE090727.D  
Acq On : 4 Sep 2015 13:24  
Operator : UM/IZ  
Sample : G3521-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
X1SB0830006-20150901

Quant Time: Sep 04 14:07:55 2015  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 02 11:40:50 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

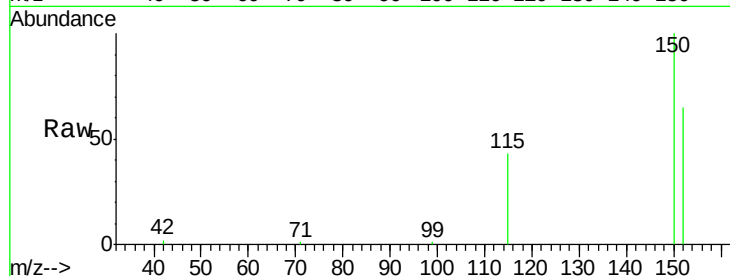
Tgt Ion:152 Resp: 51159

Ion Ratio Lower Upper

152 100

150 154.1 122.2 183.4

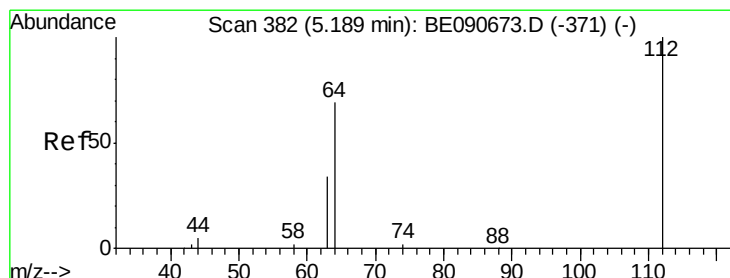
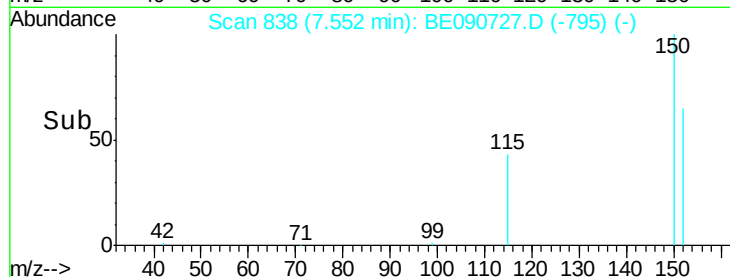
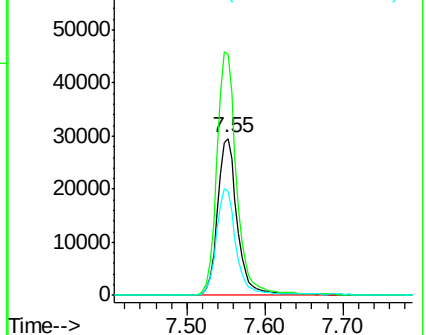
115 66.4 51.0 76.4



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: 11.81 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

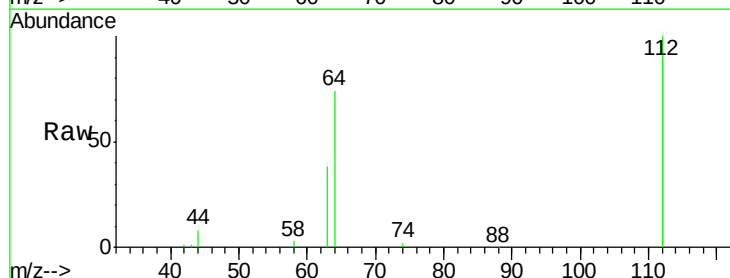
Tgt Ion:112 Resp: 117836

Ion Ratio Lower Upper

112 100

64 71.5 57.3 85.9

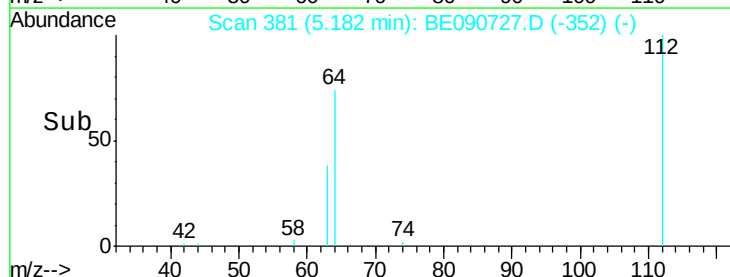
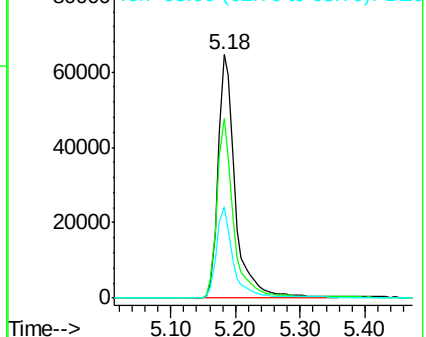
63 36.6 29.2 43.8

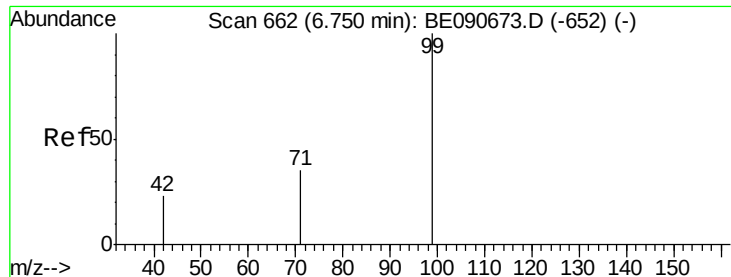


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 12.56 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

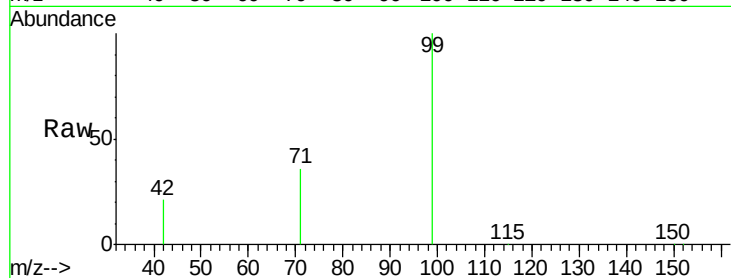
Tgt Ion: 99 Resp: 178980

Ion Ratio Lower Upper

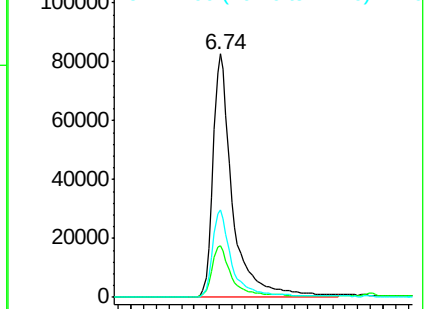
99 100

42 20.8 16.8 25.2

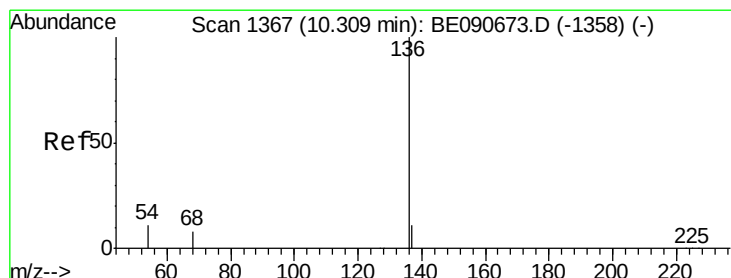
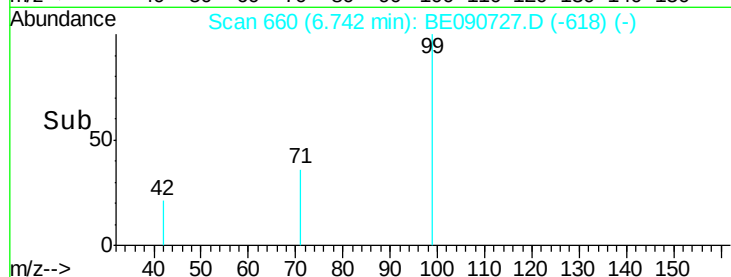
71 36.0 28.3 42.5



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



Time--> 6.60 6.70 6.80 6.90 7.00



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Tgt Ion: 136 Resp: 238895

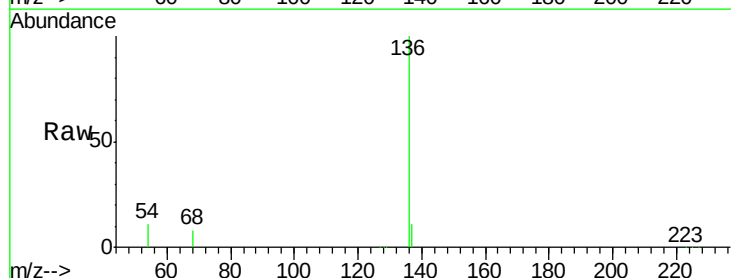
Ion Ratio Lower Upper

136 100

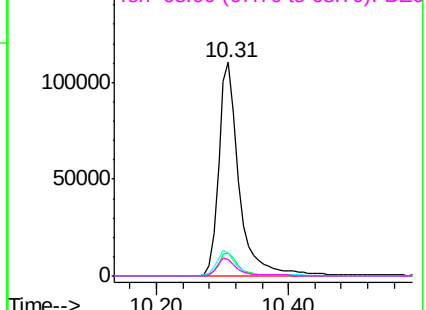
137 11.0 8.7 13.1

54 10.6 9.0 13.6

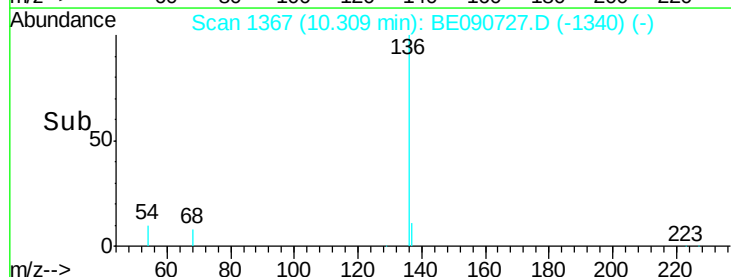
68 7.9 6.3 9.5

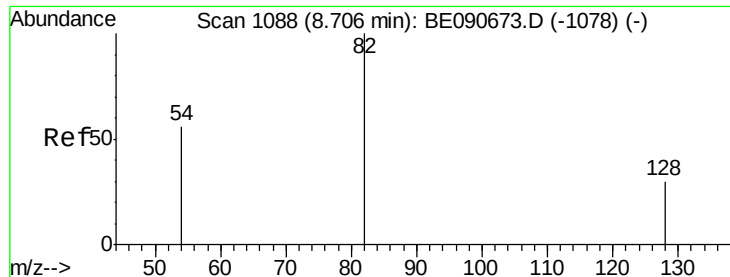


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.20 10.40





#7

Nitrobenzene-d5

Concen: 5.14 ng

RT: 8.70 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

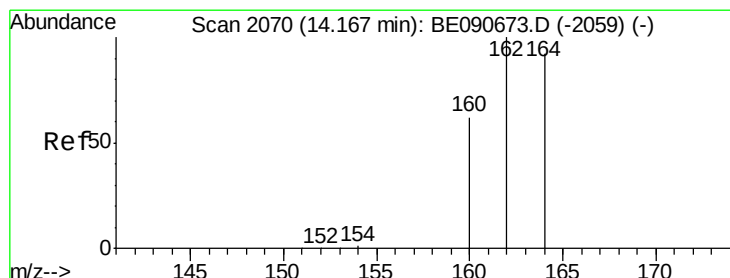
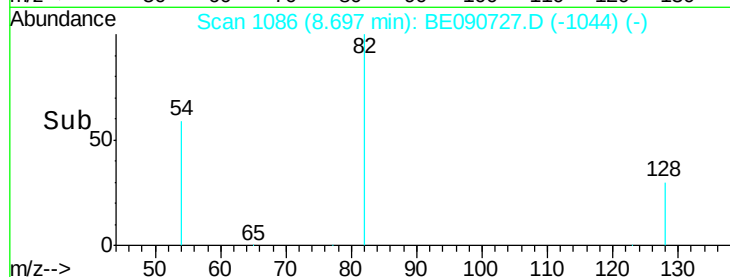
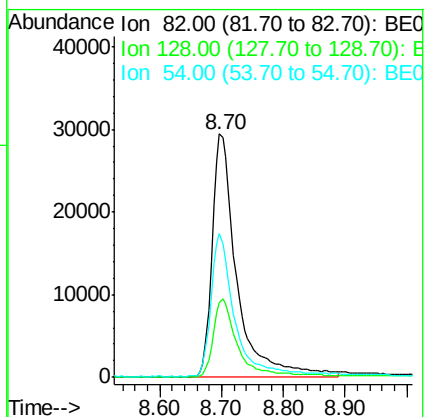
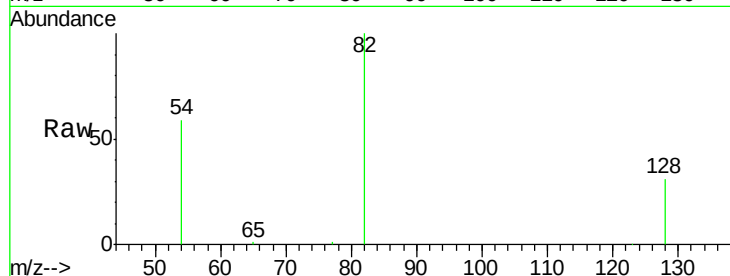
Tgt Ion: 82 Resp: 81169

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 59.0 46.3 69.5



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

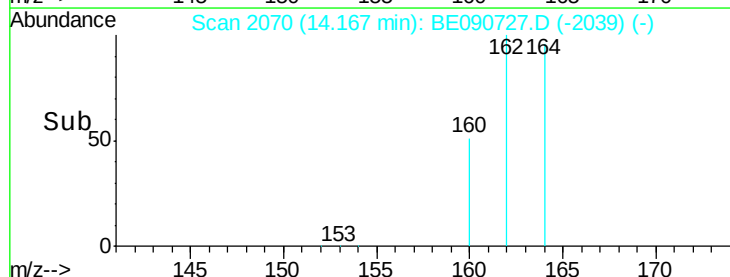
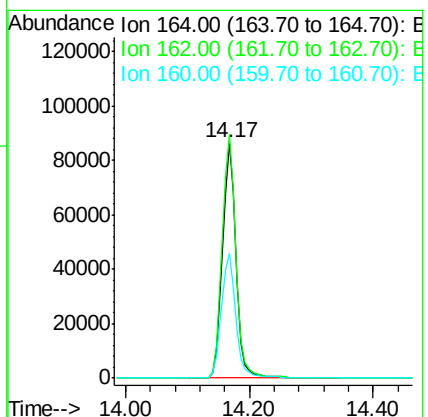
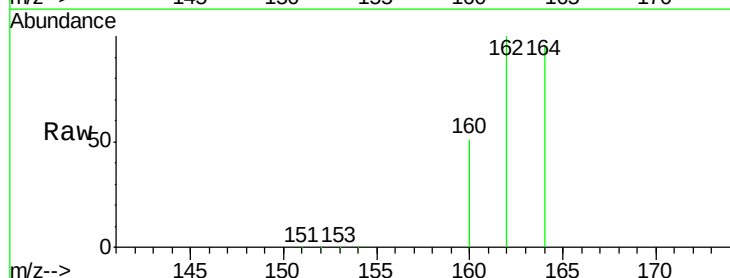
Tgt Ion: 164 Resp: 129944

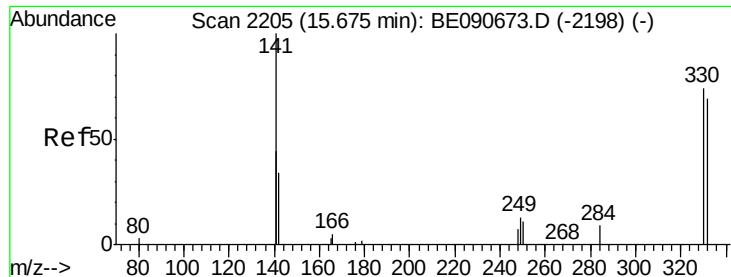
Ion Ratio Lower Upper

164 100

162 103.6 86.8 130.2

160 52.8 53.9 80.9#

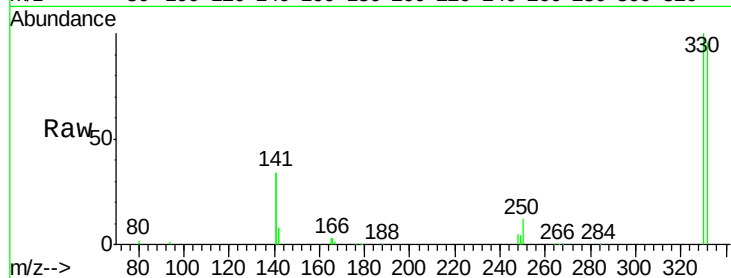




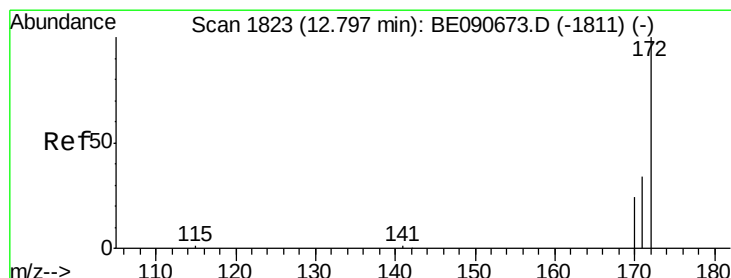
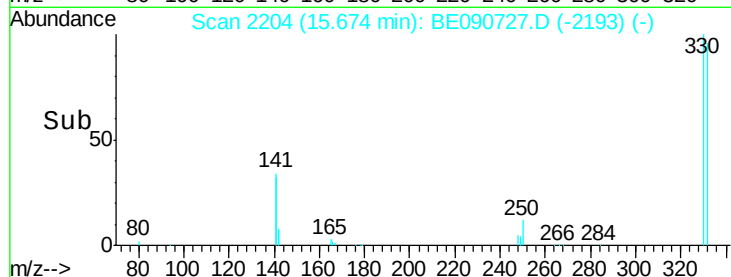
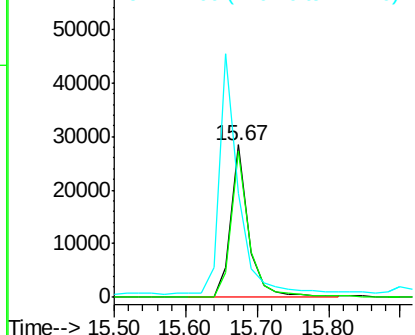
#13  
 2,4,6-Tribromophenol  
 Concen: 12.81 ng  
 RT: 15.67 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: BE090727.D  
 Acq: 4 Sep 2015 13:24

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0830006-20150901

Tgt Ion:330 Resp: 49213  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 74.9 112.3  
 141 169.9 145.2 217.8

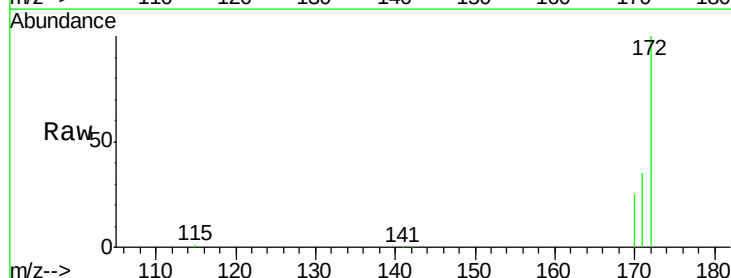


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

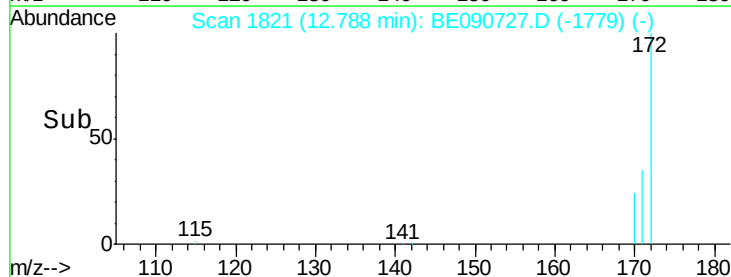
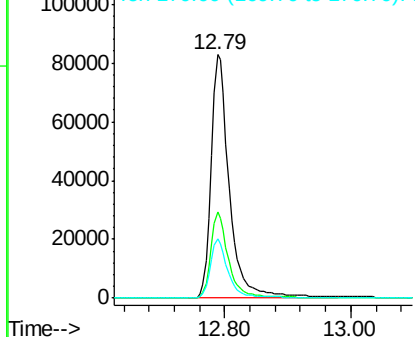


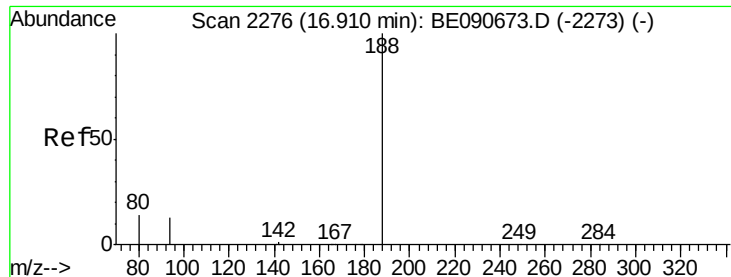
#14  
 2-Fluorobiphenyl  
 Concen: 4.63 ng  
 RT: 12.79 min Scan# 1821  
 Delta R.T. -0.01 min  
 Lab File: BE090727.D  
 Acq: 4 Sep 2015 13:24

Tgt Ion:172 Resp: 166502  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 27.8 41.8  
 170 24.5 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





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

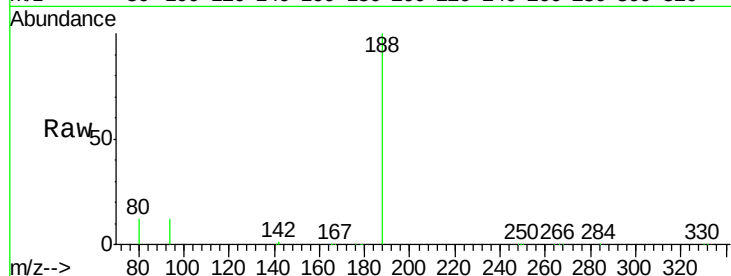
Tgt Ion:188 Resp: 306764

Ion Ratio Lower Upper

188 100

94 11.7 10.3 15.5

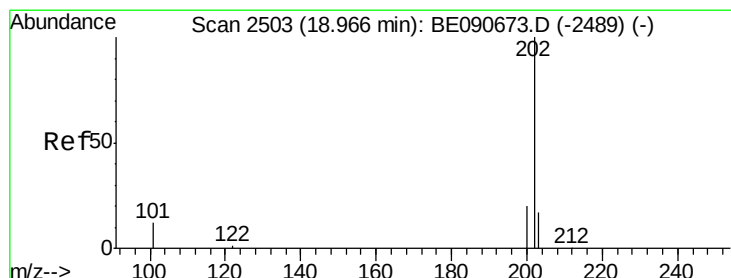
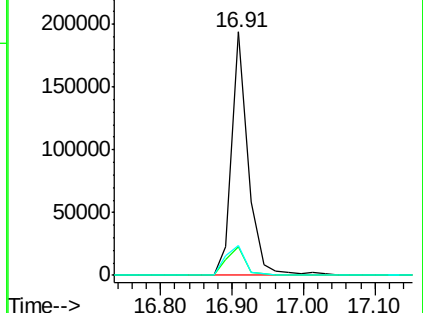
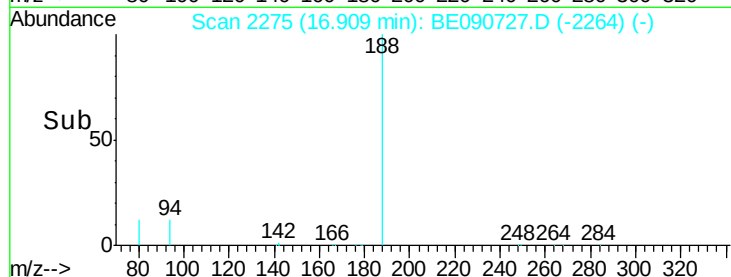
80 12.4 11.0 16.6



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

Fluoranthene

Concen: 0.03 ng

RT: 18.96 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

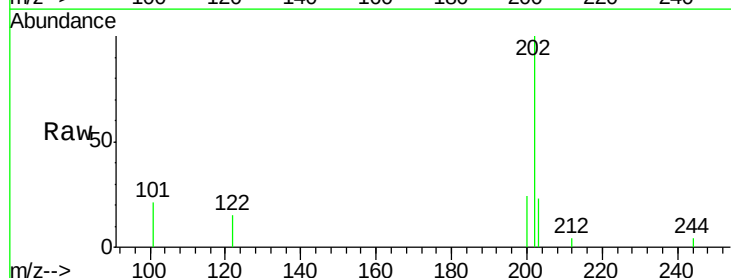
Tgt Ion:202 Resp: 2535

Ion Ratio Lower Upper

202 100

101 18.7 11.0 16.6#

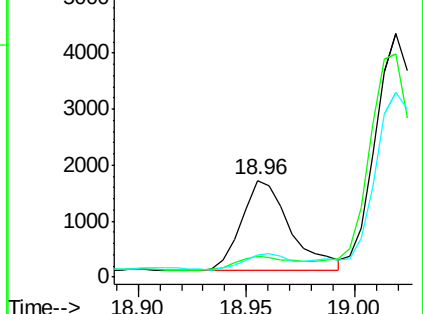
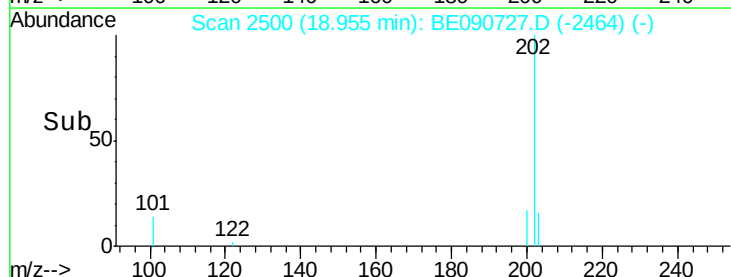
203 17.2 13.9 20.9

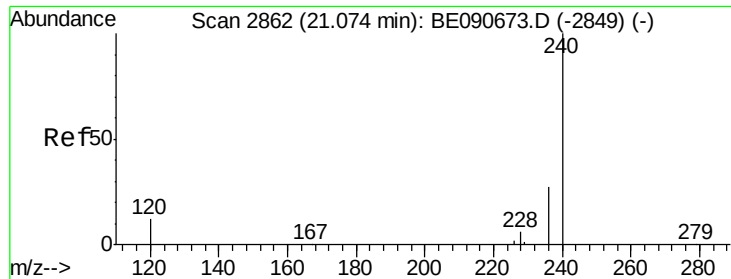


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

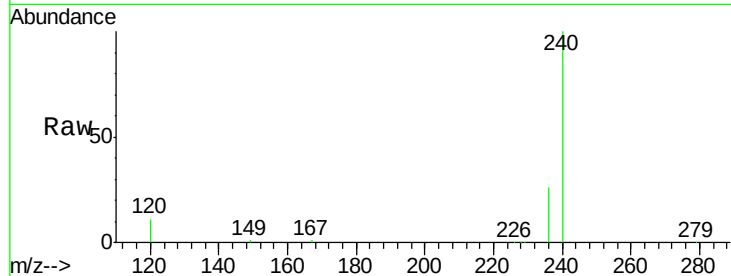
Tgt Ion:240 Resp: 372419

Ion Ratio Lower Upper

240 100

120 10.9 10.1 15.1

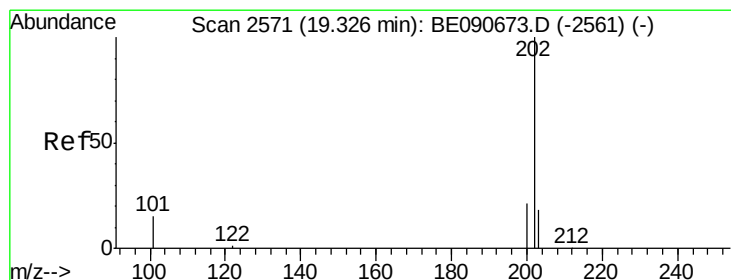
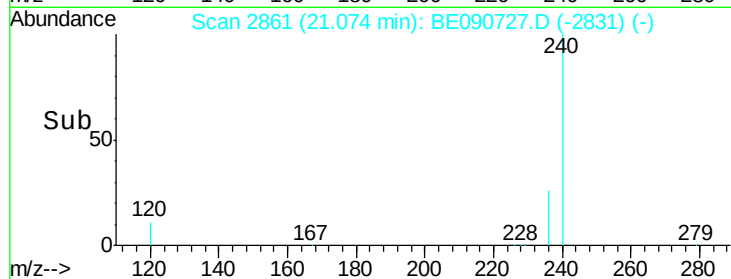
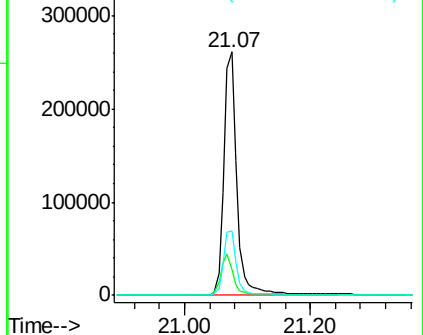
236 26.2 21.9 32.9



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

Pyrene

Concen: 0.04 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

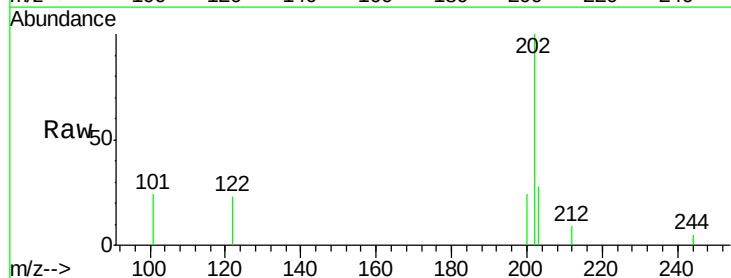
Tgt Ion:202 Resp: 2814

Ion Ratio Lower Upper

202 100

200 25.5 16.7 25.1#

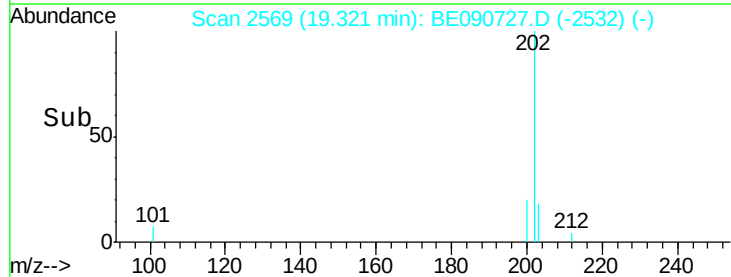
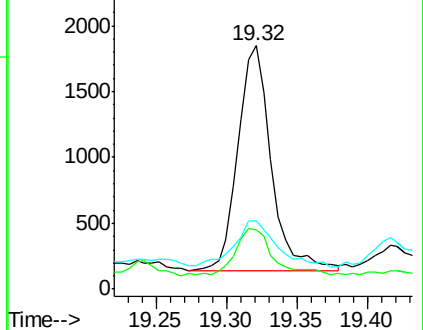
203 25.8 13.8 20.6#



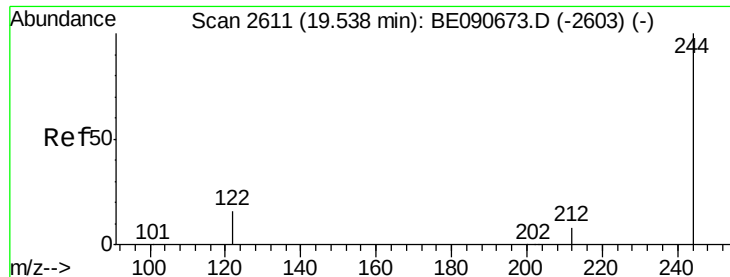
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#27

Terphenyl-d14

Concen: 6.46 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

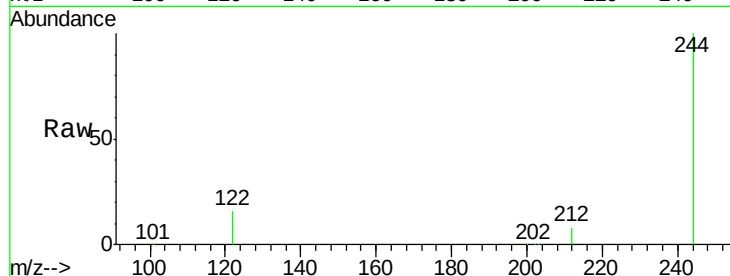
Tgt Ion:244 Resp: 266121

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

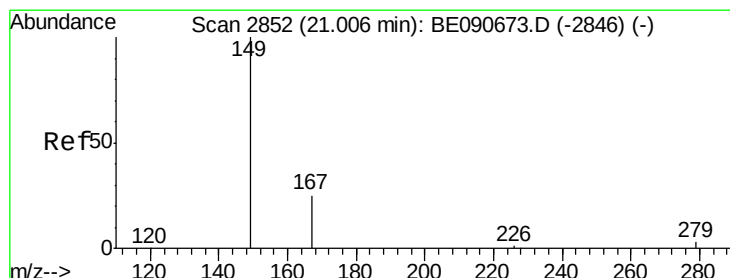
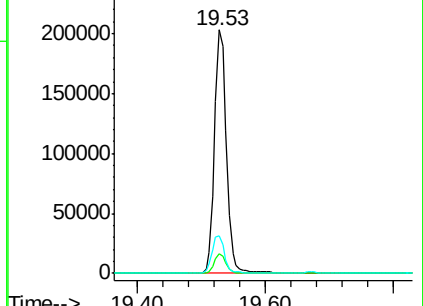
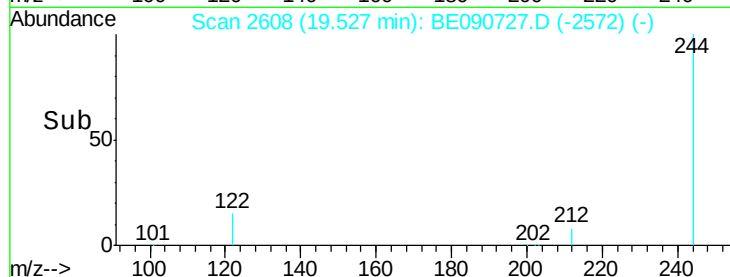
122 15.6 12.9 19.3



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.51 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

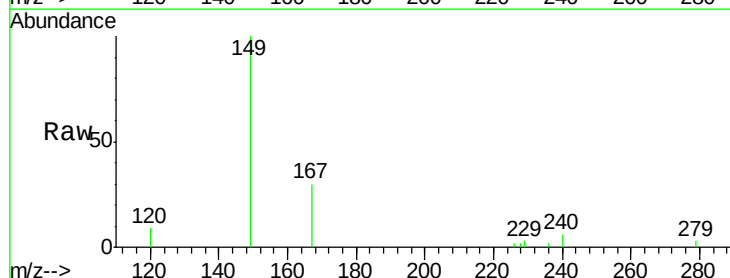
Tgt Ion:149 Resp: 9802

Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

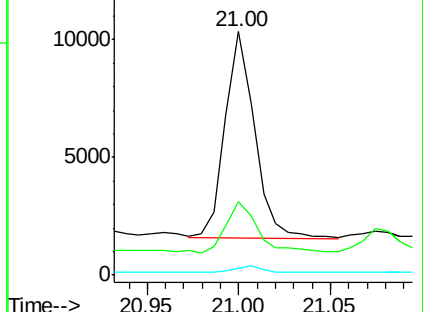
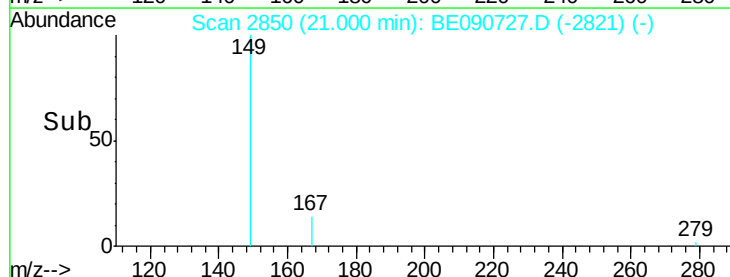
279 3.1 2.3 3.5

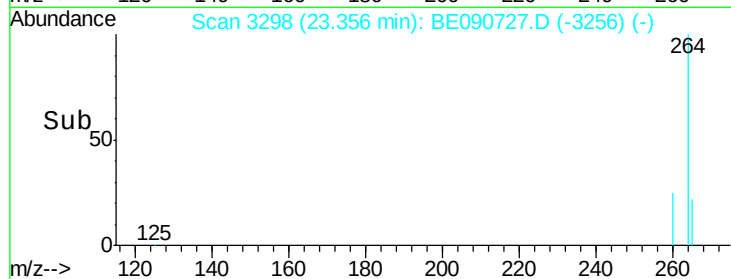
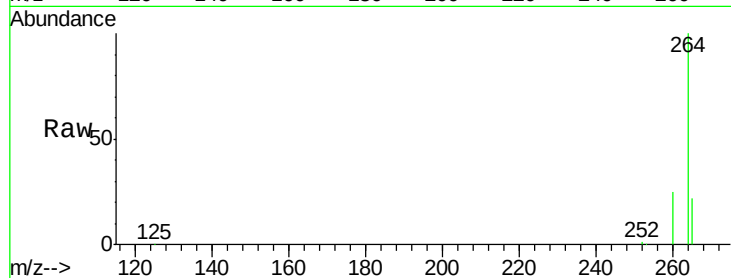
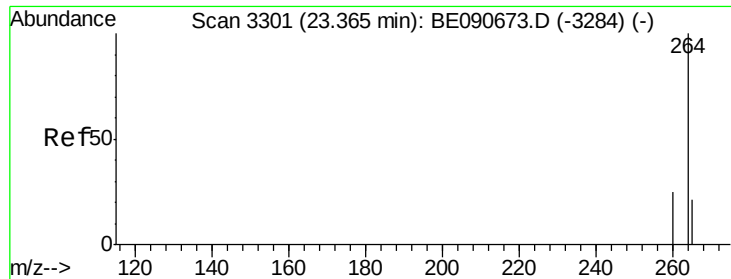


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA\_E

ClientSampleId :

X1SB0830006-20150901

Tgt Ion: 264 Resp: 349912

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 22.2 17.5 26.3

