

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE091415\  
 Data File : BE090817.D  
 Acq On : 15 Sep 2015 2:20  
 Operator : UM/IZ  
 Sample : G3658-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 091315-D534-F-D-B

Quant Time: Sep 15 08:42:18 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

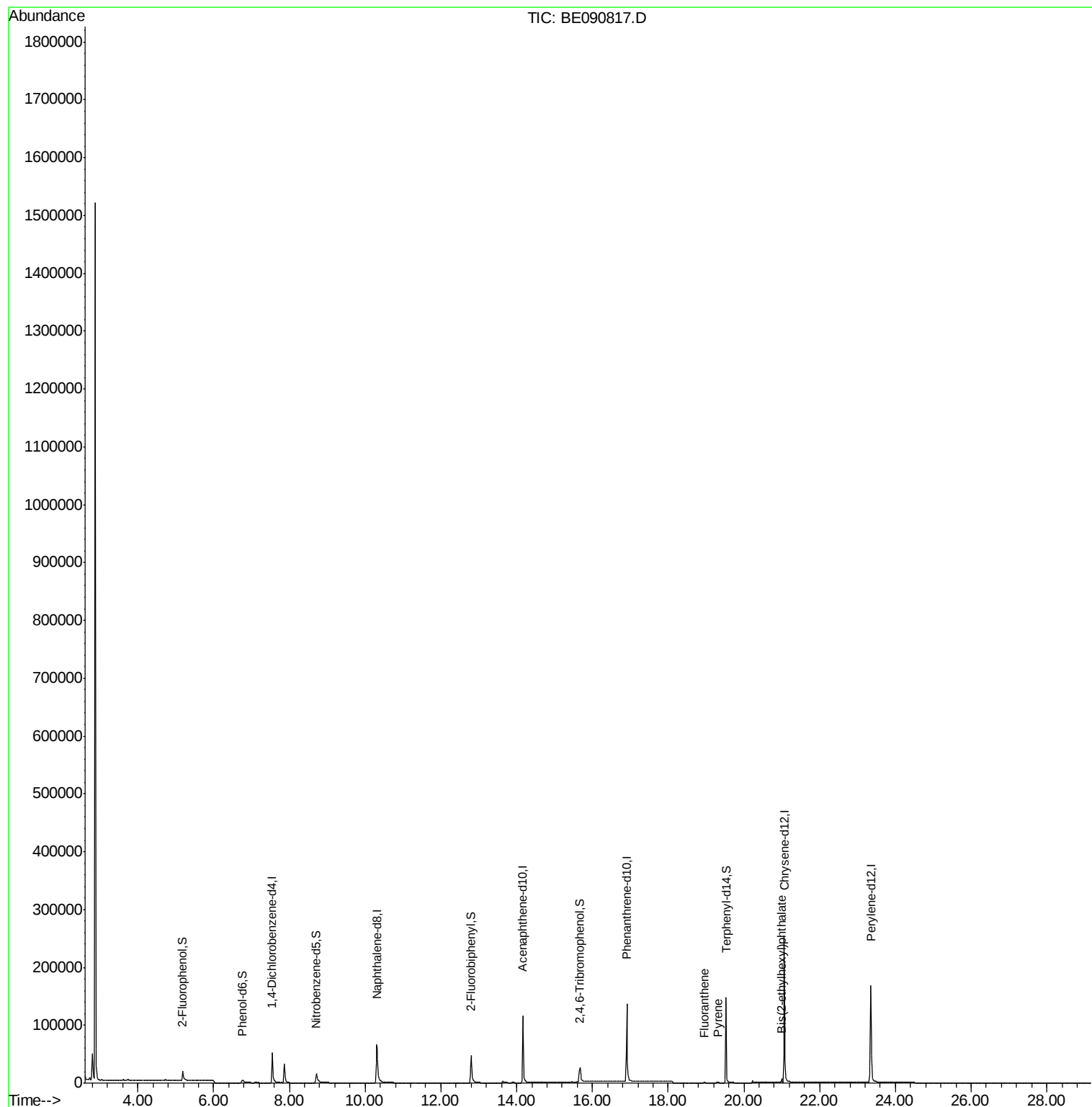
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 32594    | 5.00 | ng    | 0.00       |
| 6) Naphthalene-d8              | 10.31 | 136  | 140657   | 5.00 | ng    | 0.00       |
| 12) Acenaphthene-d10           | 14.17 | 164  | 73448    | 5.00 | ng    | 0.00       |
| 18) Phenanthrene-d10           | 16.91 | 188  | 189616   | 5.00 | ng    | 0.00       |
| 25) Chrysene-d12               | 21.07 | 240  | 254272   | 5.00 | ng    | 0.00       |
| 32) Perylene-d12               | 23.35 | 264  | 238779   | 5.00 | ng    | -0.01      |
| System Monitoring Compounds    |       |      |          |      |       |            |
| 4) 2-Fluorophenol              | 5.18  | 112  | 17617    | 2.78 | ng    | 0.00       |
| 5) Phenol-d6                   | 6.75  | 99   | 13957    | 1.54 | ng    | 0.00       |
| 7) Nitrobenzene-d5             | 8.71  | 82   | 31055    | 3.34 | ng    | 0.00       |
| 13) 2,4,6-Tribromophenol       | 15.68 | 330  | 14752    | 6.86 | ng    | 0.00       |
| 14) 2-Fluorobiphenyl           | 12.80 | 172  | 75403    | 3.71 | ng    | 0.00       |
| 27) Terphenyl-d14              | 19.53 | 244  | 156680   | 5.57 | ng    | -0.01      |
| Target Compounds               |       |      |          |      |       |            |
| 24) Fluoranthene               | 18.96 | 202  | 1674     | 0.03 | ng    | Qvalue 100 |
| 26) Pyrene                     | 19.32 | 202  | 2029     | 0.04 | ng    | # 91       |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 6644     | 0.51 | ng    | # 99       |

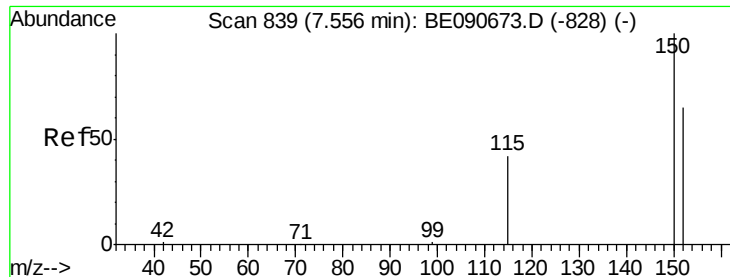
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE091415\  
Data File : BE090817.D  
Acq On : 15 Sep 2015 2:20  
Operator : UM/IZ  
Sample : G3658-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
091315-D534-F-D-B

Quant Time: Sep 15 08:42:18 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

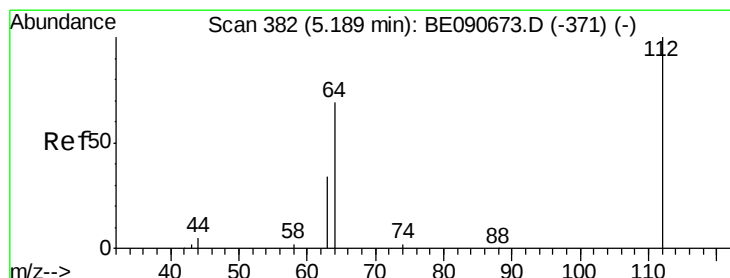
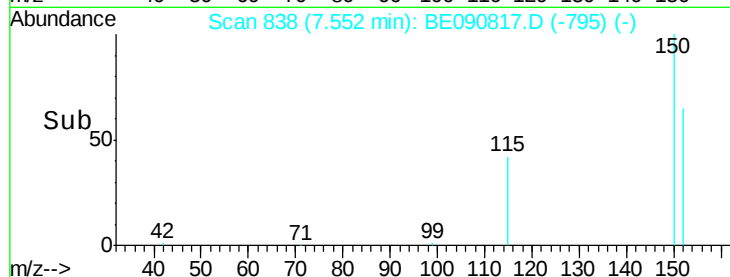
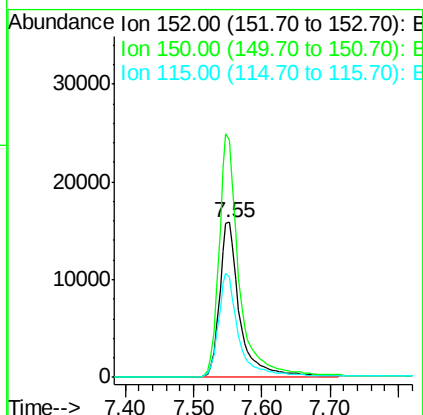
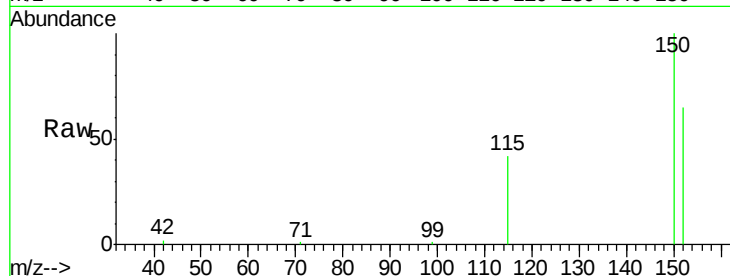




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.55 min Scan# 838  
 Delta R.T. -0.00 min  
 Lab File: BE090817.D  
 Acq: 15 Sep 2015 2:20

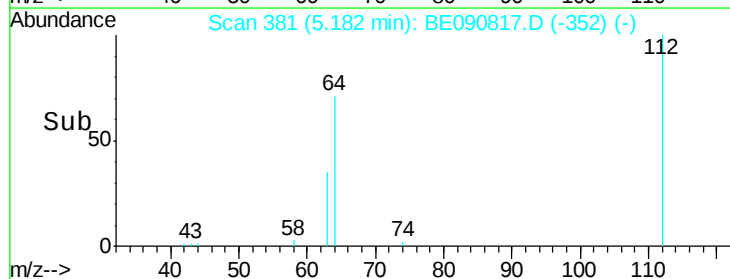
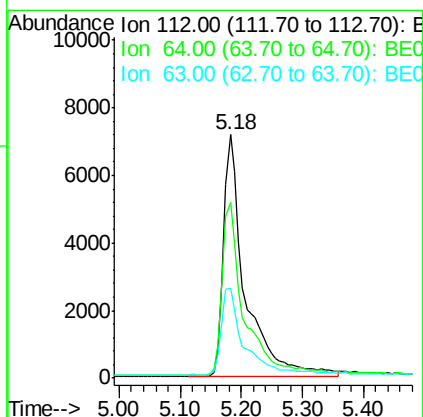
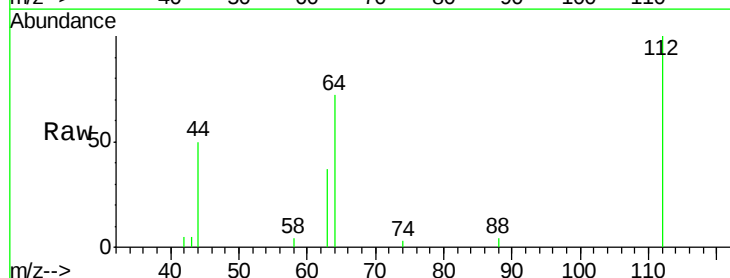
Instrument :  
 BNA\_E  
 ClientSampleId :  
 091315-D534-F-D-B

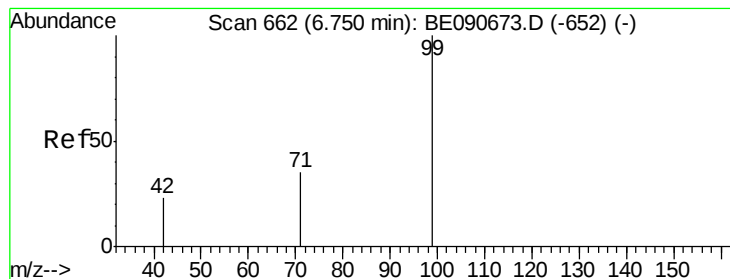
Tgt Ion:152 Resp: 32594  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 122.2 183.4  
 115 64.5 51.0 76.4



#4  
 2-Fluorophenol  
 Concen: 2.78 ng  
 RT: 5.18 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: BE090817.D  
 Acq: 15 Sep 2015 2:20

Tgt Ion:112 Resp: 17617  
 Ion Ratio Lower Upper  
 112 100  
 64 73.6 57.3 85.9  
 63 38.0 29.2 43.8





#5

Phenol-d6

Concen: 1.54 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

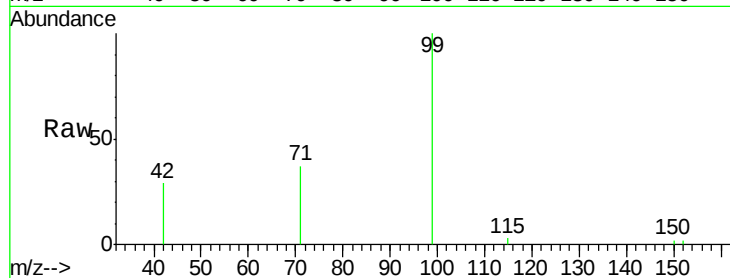
Tgt Ion: 99 Resp: 13957

Ion Ratio Lower Upper

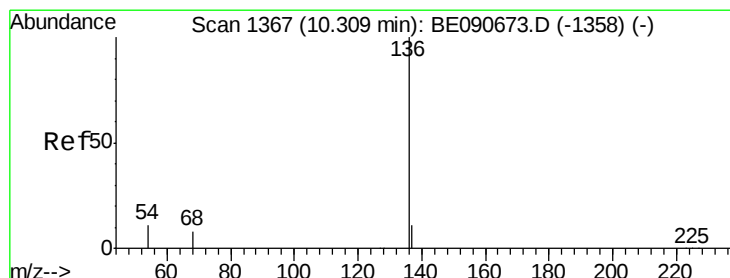
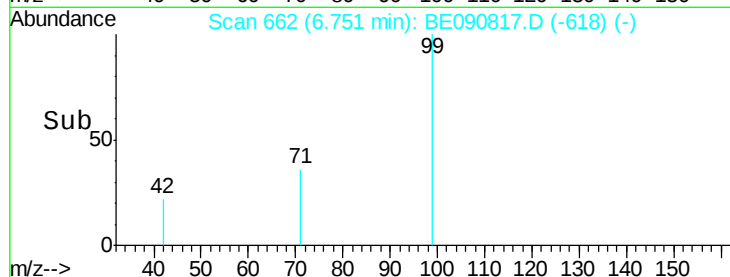
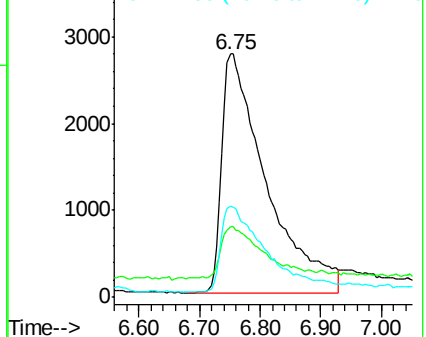
99 100

42 21.1 16.8 25.2

71 35.1 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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Tgt Ion: 136 Resp: 140657

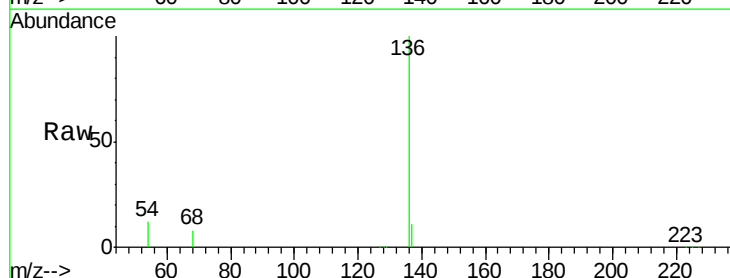
Ion Ratio Lower Upper

136 100

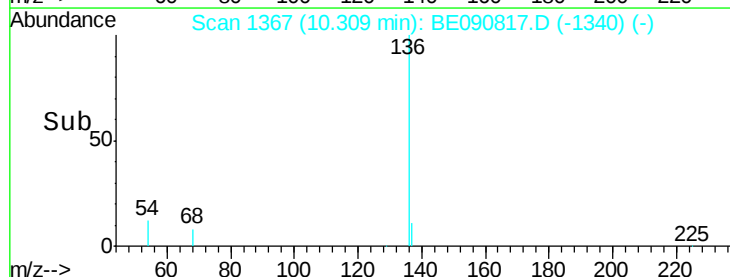
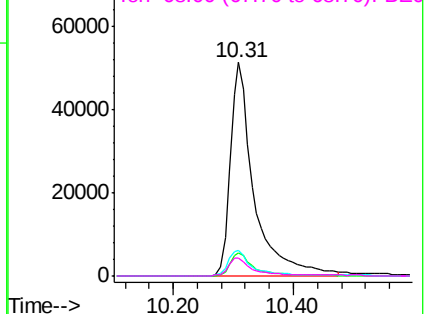
137 10.7 8.7 13.1

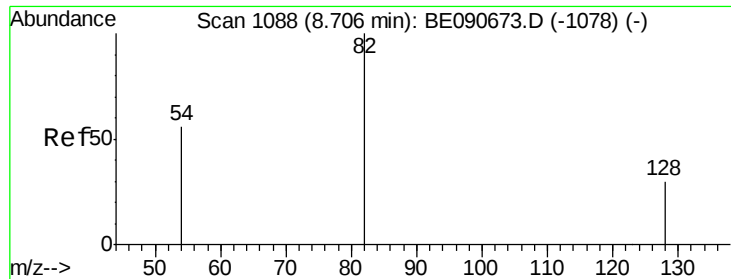
54 11.7 9.0 13.6

68 8.3 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





#7

Nitrobenzene-d5

Concen: 3.34 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

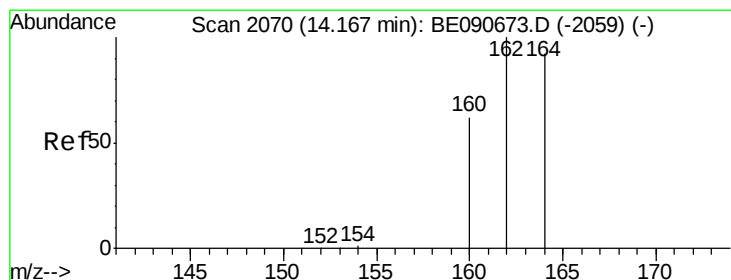
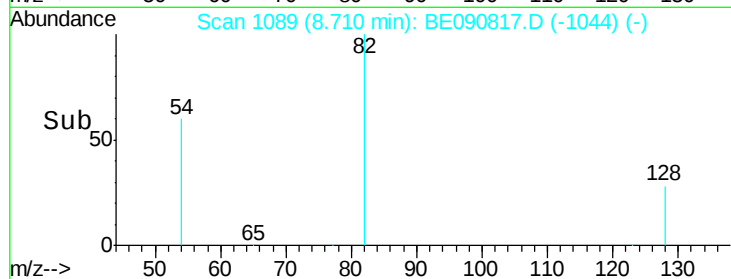
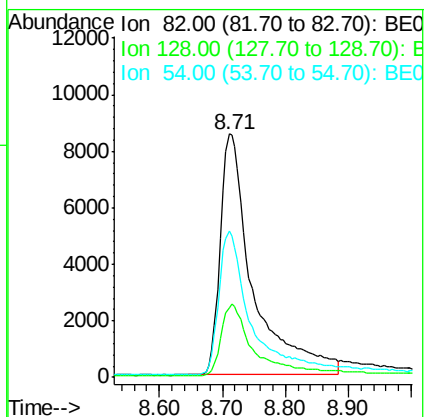
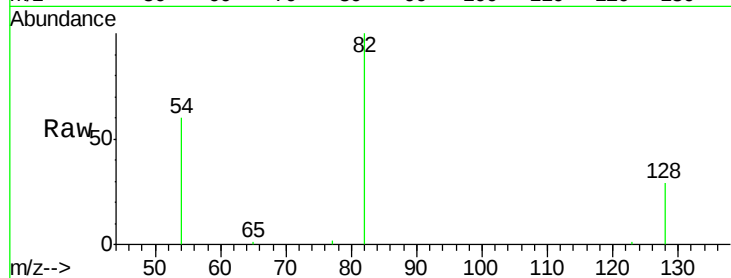
Tgt Ion: 82 Resp: 31055

Ion Ratio Lower Upper

82 100

128 28.8 25.0 37.4

54 60.3 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: BE090817.D

Acq: 15 Sep 2015 2:20

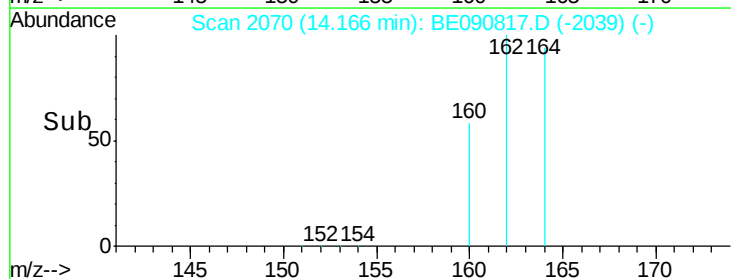
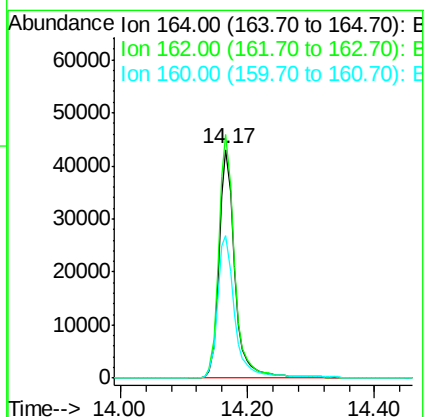
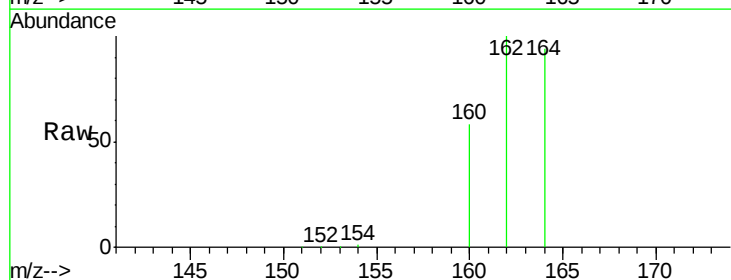
Tgt Ion: 164 Resp: 73448

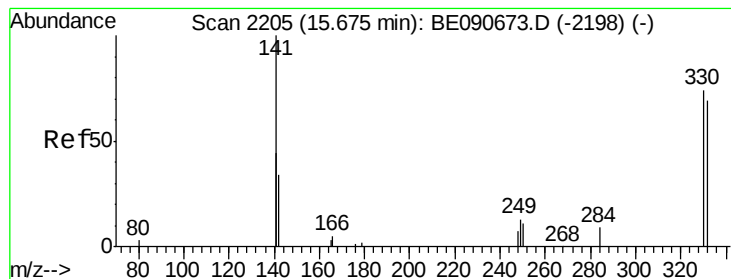
Ion Ratio Lower Upper

164 100

162 106.5 86.8 130.2

160 62.2 53.9 80.9





#13

2,4,6-Tribromophenol

Concen: 6.86 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

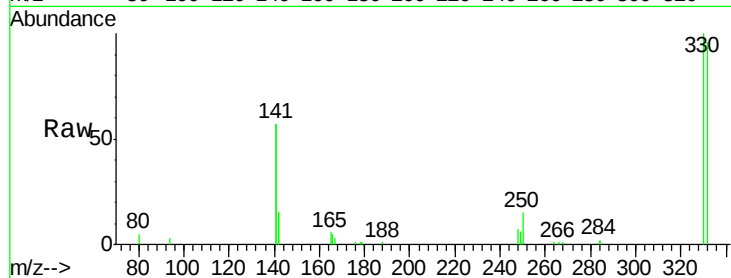
Tgt Ion:330 Resp: 14752

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

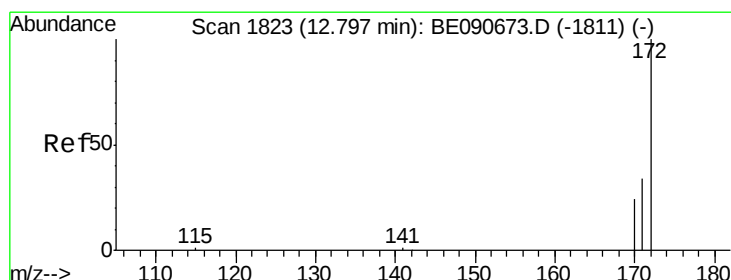
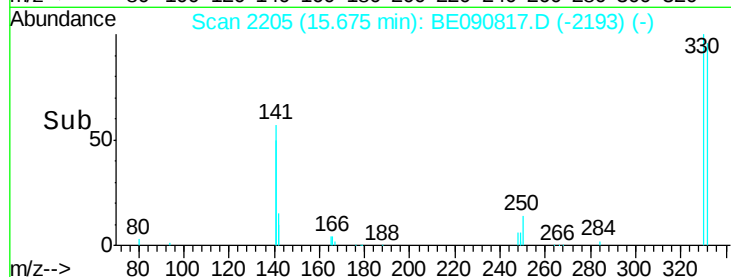
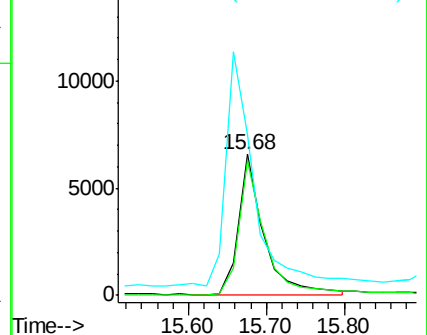
141 182.9 145.2 217.8



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: 3.71 ng

RT: 12.80 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

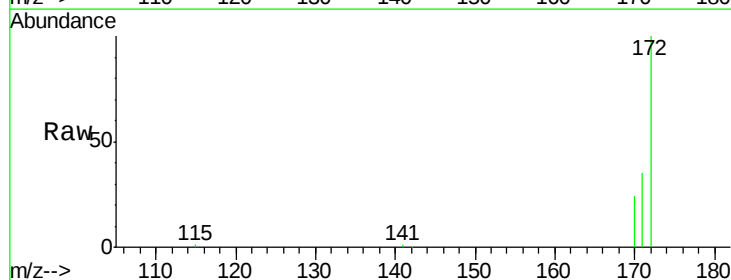
Tgt Ion:172 Resp: 75403

Ion Ratio Lower Upper

172 100

171 35.4 27.8 41.8

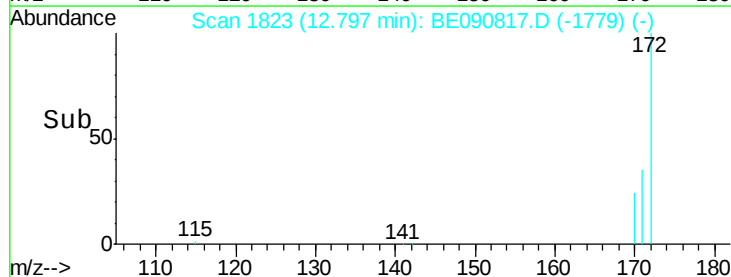
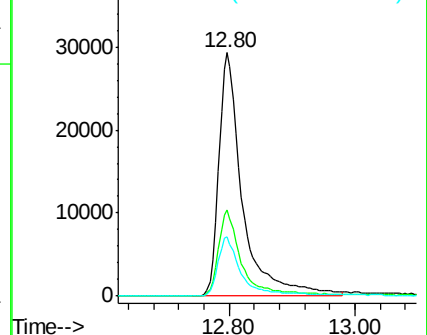
170 24.3 19.8 29.6

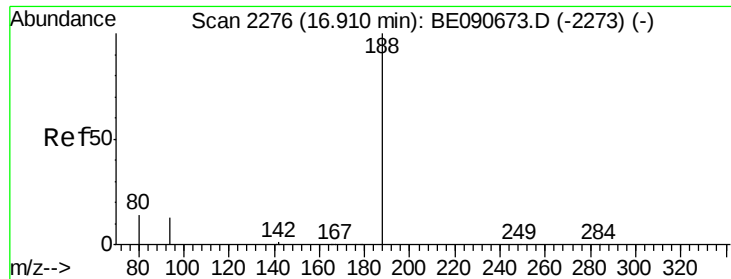


Abundance Ion 172.00 (171.70 to 172.70): E

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# 2276

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

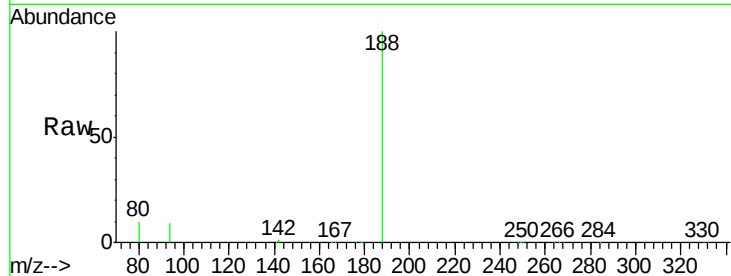
Tgt Ion:188 Resp: 189616

Ion Ratio Lower Upper

188 100

94 9.4 10.3 15.5#

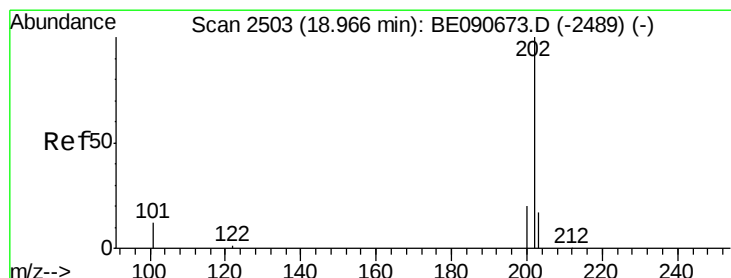
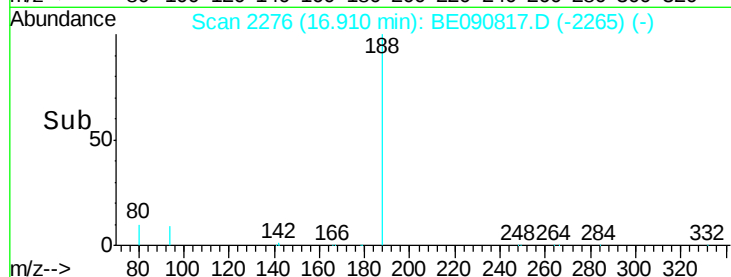
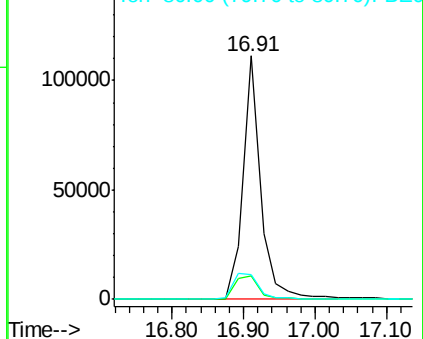
80 10.4 11.0 16.6#



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# 2502

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

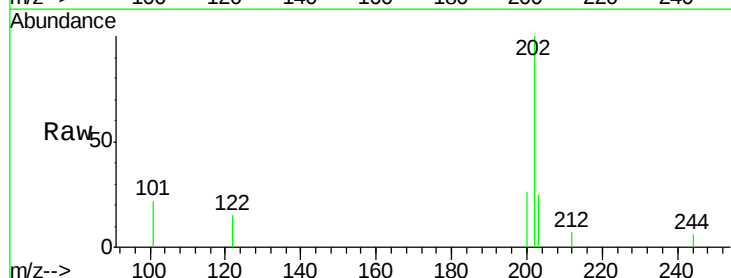
Tgt Ion:202 Resp: 1674

Ion Ratio Lower Upper

202 100

101 13.9 11.0 16.6

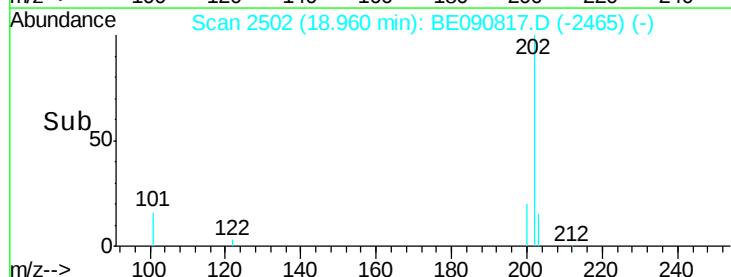
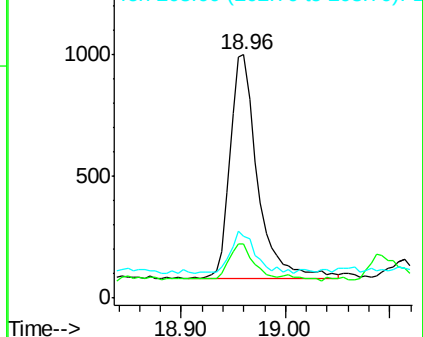
203 17.3 13.9 20.9

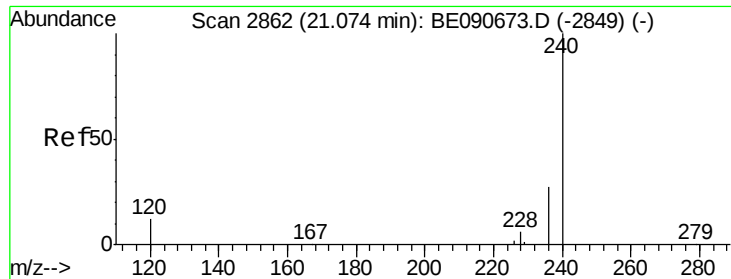


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

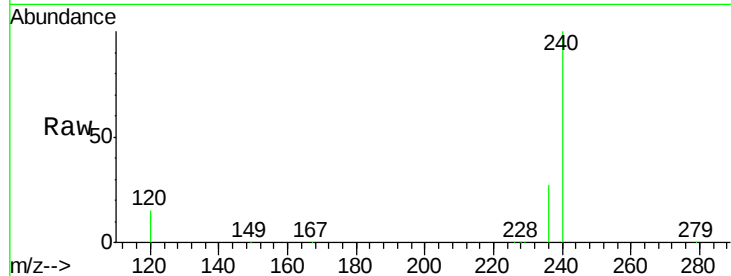
Tgt Ion:240 Resp: 254272

Ion Ratio Lower Upper

240 100

120 14.8 10.1 15.1

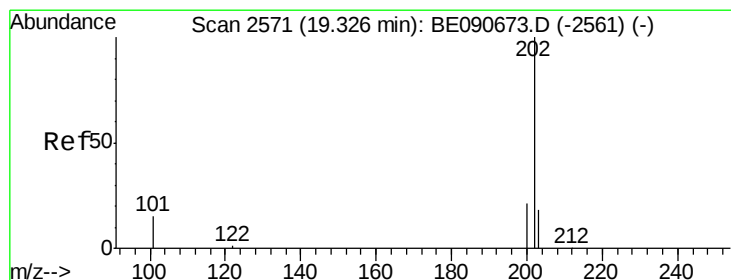
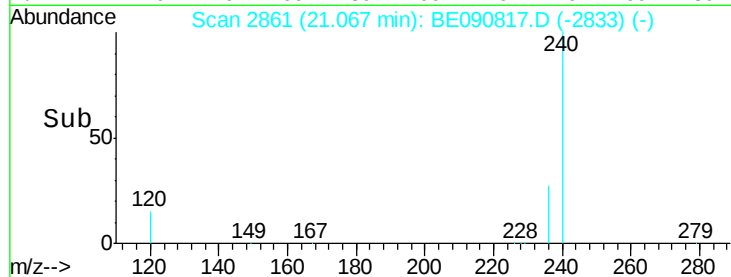
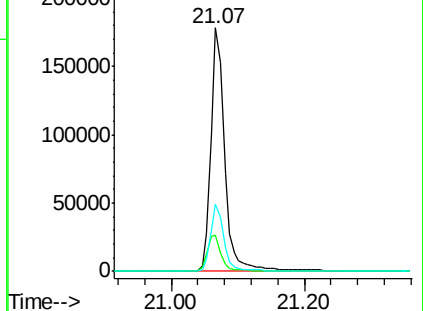
236 27.4 21.9 32.9



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: BE090817.D

Acq: 15 Sep 2015 2:20

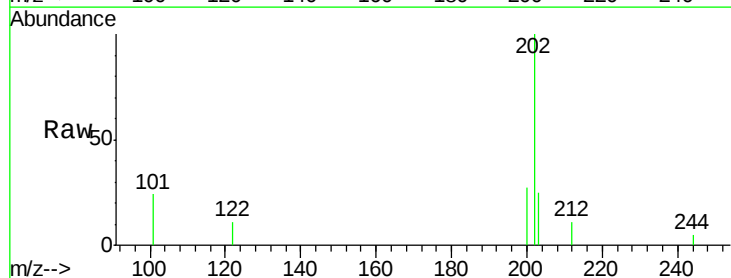
Tgt Ion:202 Resp: 2029

Ion Ratio Lower Upper

202 100

200 21.8 16.7 25.1

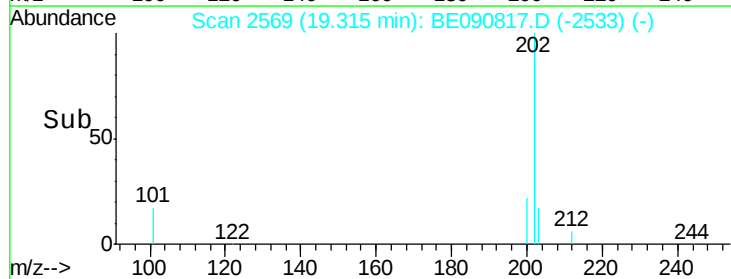
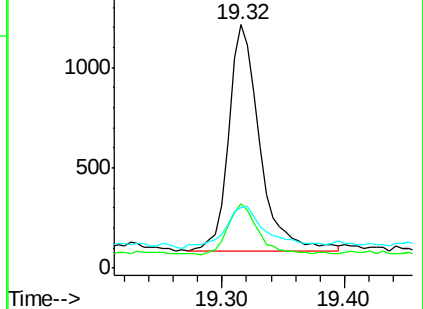
203 24.6 13.8 20.6#

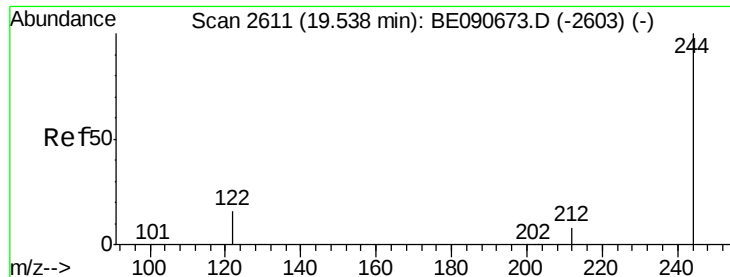


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

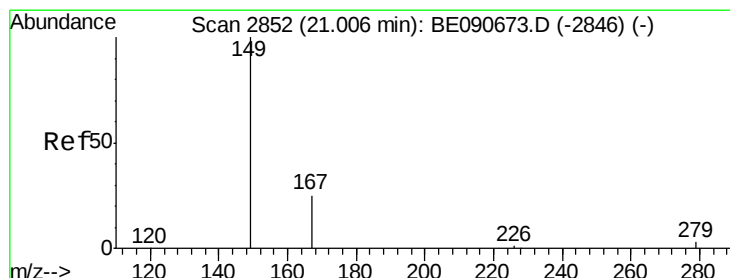
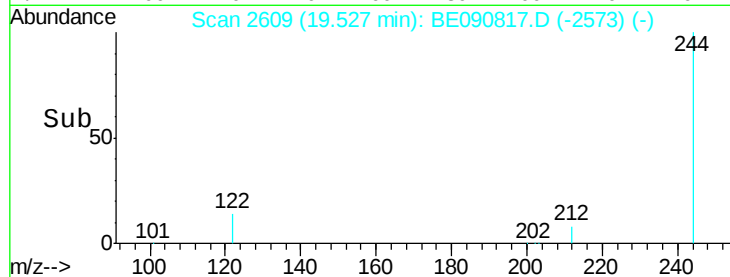
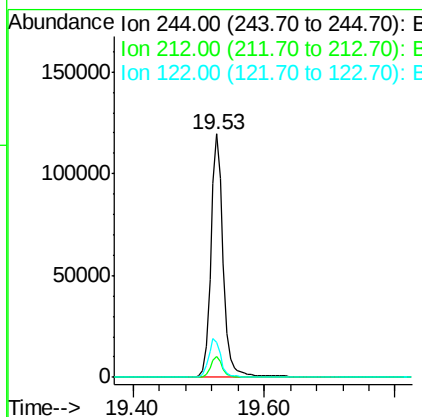
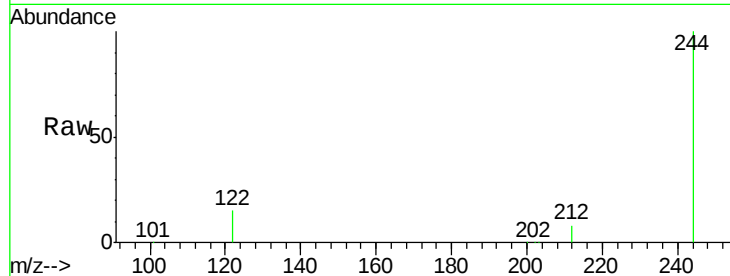




#27  
 Terphenyl-d14  
 Concen: 5.57 ng  
 RT: 19.53 min Scan# 2609  
 Delta R.T. -0.01 min  
 Lab File: BE090817.D  
 Acq: 15 Sep 2015 2:20

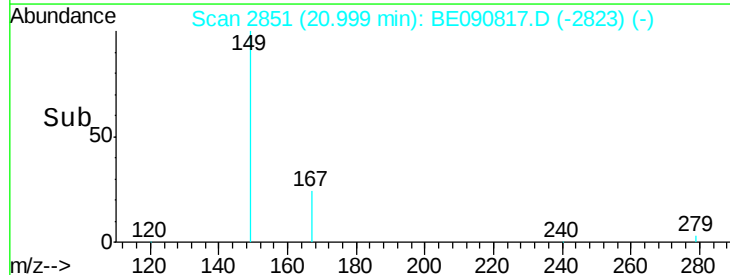
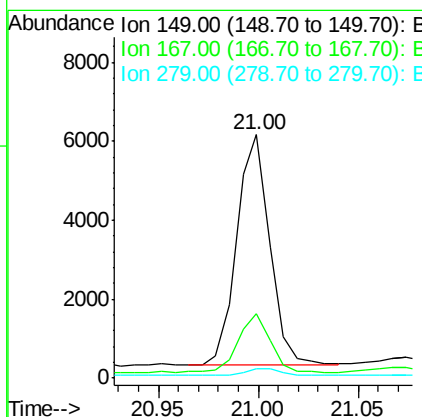
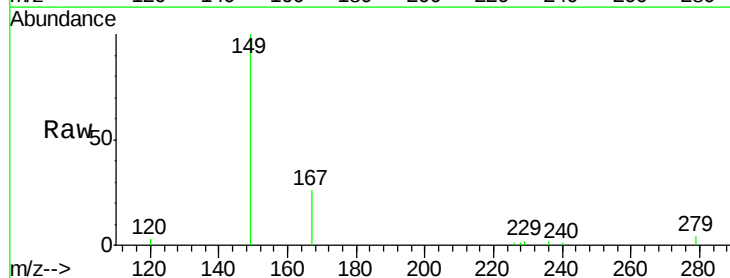
Instrument :  
 BNA\_E  
 ClientSampleId :  
 091315-D534-F-D-B

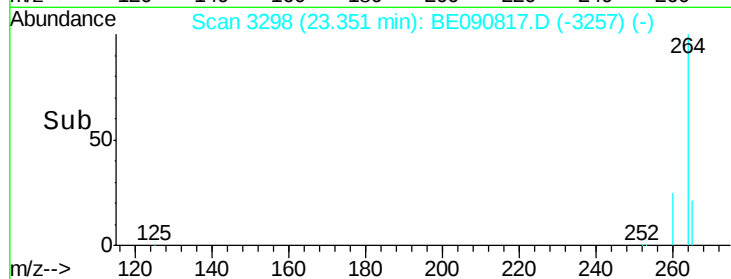
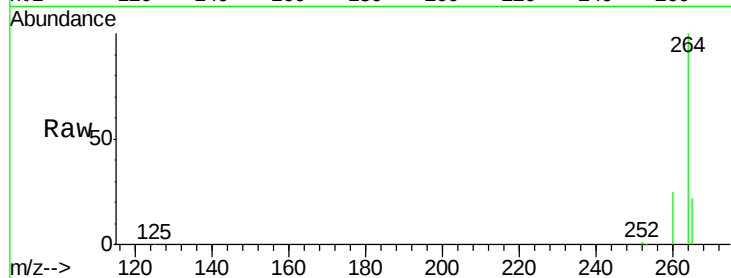
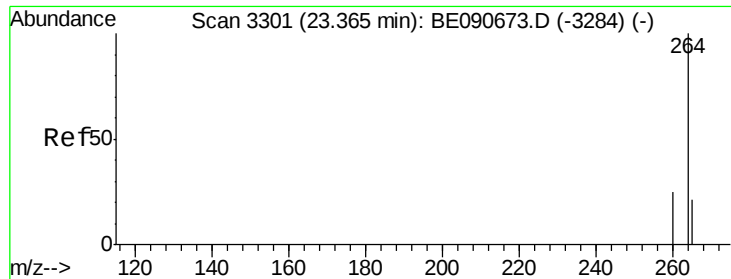
Tgt Ion: 244 Resp: 156680  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.9 10.3  
 122 14.5 12.9 19.3



#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.51 ng  
 RT: 21.00 min Scan# 2851  
 Delta R.T. -0.01 min  
 Lab File: BE090817.D  
 Acq: 15 Sep 2015 2:20

Tgt Ion: 149 Resp: 6644  
 Ion Ratio Lower Upper  
 149 100  
 167 24.8 20.1 30.1  
 279 3.6 2.3 3.5#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA\_E

ClientSampleId :

091315-D534-F-D-B

Tgt Ion: 264 Resp: 238779

Ion Ratio Lower Upper

264 100

260 25.4 19.7 29.5

265 21.6 17.5 26.3

