

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\  
 Data File : BE090387.D  
 Acq On : 6 Aug 2015 13:34  
 Operator : TP/UM  
 Sample : G3180-07RE  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 080315-D506-E-U-BRE

Quant Time: Aug 06 19:09:52 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:28:08 2015  
 Response via : Initial Calibration

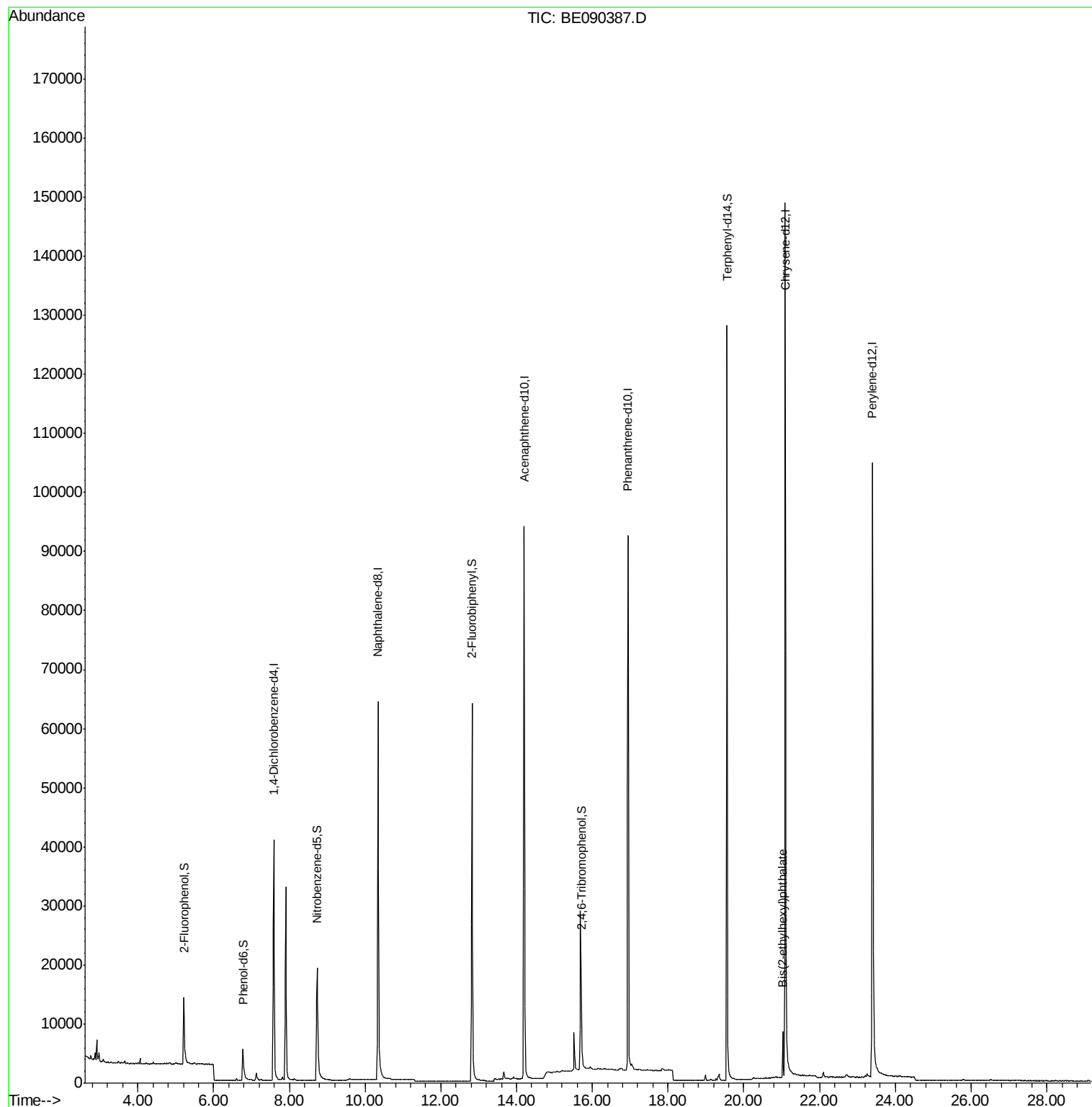
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 22439    | 5.00      | ng       | 0.00     |
| 6) Naphthalene-d8              | 10.34 | 136  | 98722    | 5.00      | ng       | 0.00     |
| 12) Acenaphthene-d10           | 14.20 | 164  | 58160    | 5.00      | ng       | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 127781   | 5.00      | ng       | 0.00     |
| 25) Chrysene-d12               | 21.10 | 240  | 159435   | 5.00      | ng       | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 152235   | 5.00      | ng       | 0.00     |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 4) 2-Fluorophenol              | 5.22  | 112  | 11103    | 3.30      | ng       | 0.00     |
| 5) Phenol-d6                   | 6.77  | 99   | 9492     | 1.51      | ng       | 0.00     |
| 7) Nitrobenzene-d5             | 8.73  | 82   | 26773    | 3.40      | ng       | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 13943    | 7.89      | ng       | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.82 | 172  | 68619    | 4.29      | ng       | 0.00     |
| 27) Terphenyl-d14              | 19.56 | 244  | 134441   | 5.72      | ng       | 0.00     |
| Target Compounds               |       |      |          |           |          |          |
| 10) Hexachlorobutadiene        | 10.68 | 225  | 1        | Below Cal | Qvalue # | 1        |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 7447     | 0.93 ng   |          | 96       |

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

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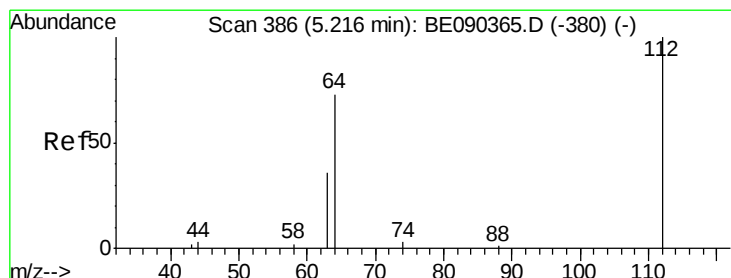
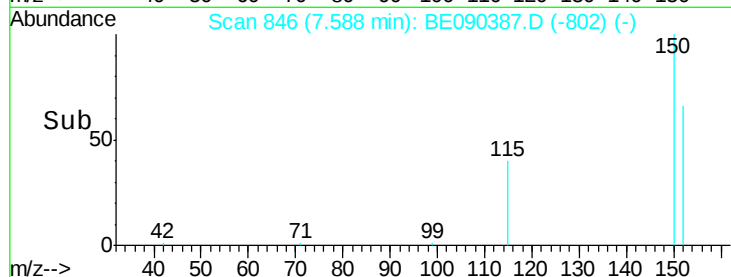
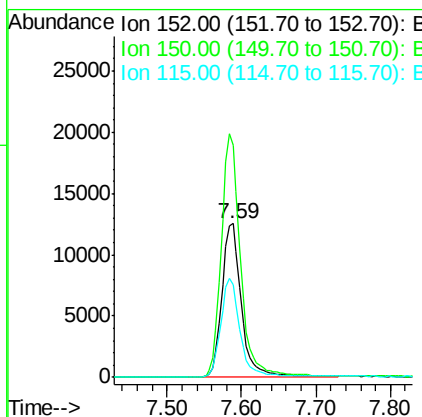
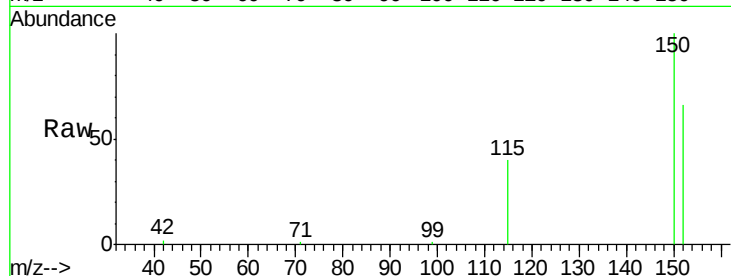




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.59 min Scan# 846  
 Delta R.T. -0.00 min  
 Lab File: BE090387.D  
 Acq: 6 Aug 2015 13:34

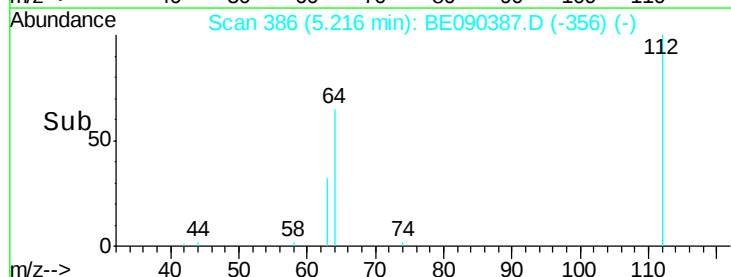
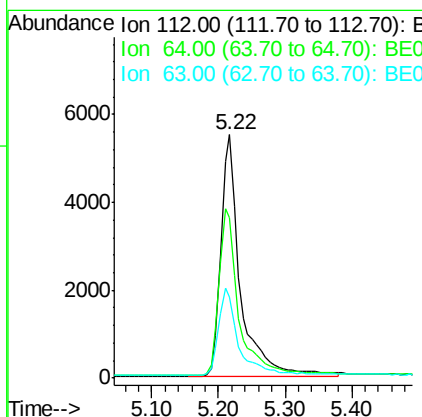
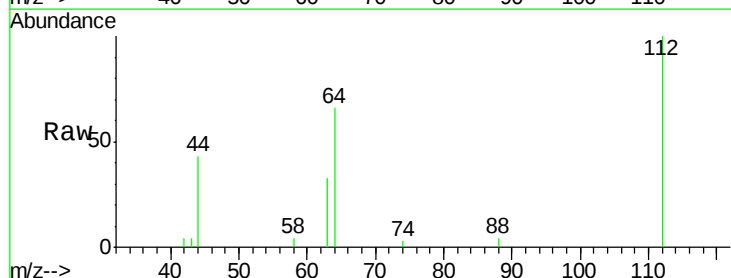
Instrument :  
 BNA\_E  
 ClientSampleId :  
 080315-D506-E-U-BRE

Tot Ion:152 Resp: 22439  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 123.0 184.4  
 115 60.1 48.9 73.3



#4  
 2-Fluorophenol  
 Concen: 3.30 ng  
 RT: 5.22 min Scan# 386  
 Delta R.T. 0.00 min  
 Lab File: BE090387.D  
 Acq: 6 Aug 2015 13:34

Tgt Ion:112 Resp: 11103  
 Ion Ratio Lower Upper  
 112 100  
 64 71.3 37.1 55.7#  
 63 36.9 19.5 29.3#





#5

Phenol-d6

Concen: 1.51 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA\_E

ClientSampleId :

080315-D506-E-U-BRE

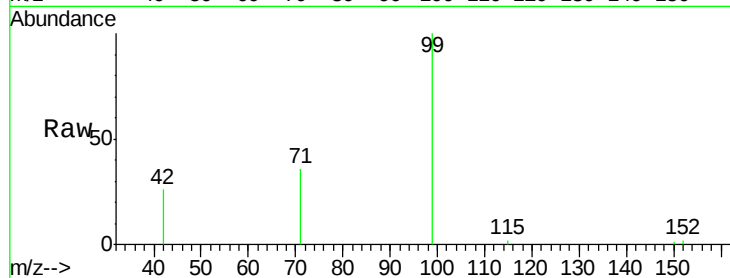
Tot Ion: 99 Resp: 9492

Ion Ratio Lower Upper

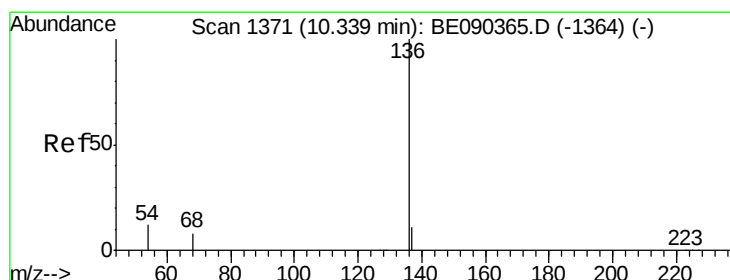
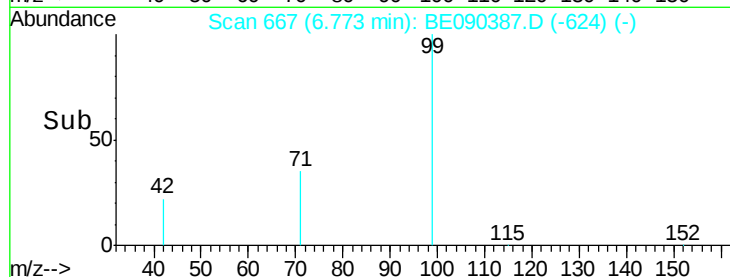
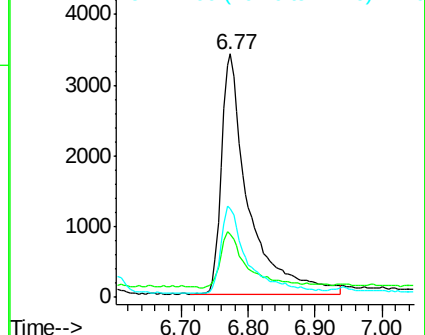
99 100

42 22.6 18.2 27.4

71 36.3 27.4 41.0



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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Tgt Ion: 136 Resp: 98722

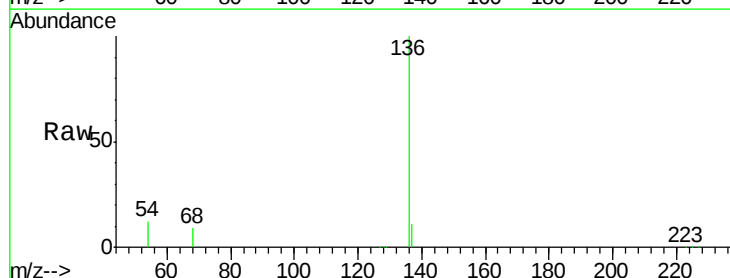
Ion Ratio Lower Upper

136 100

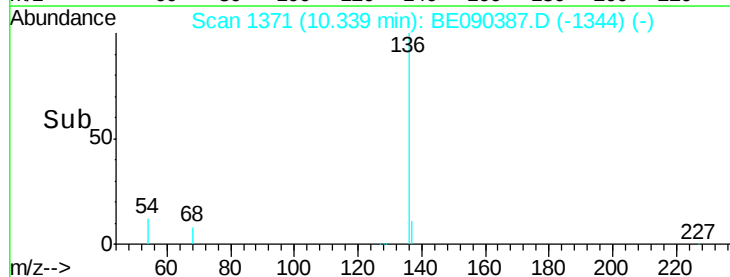
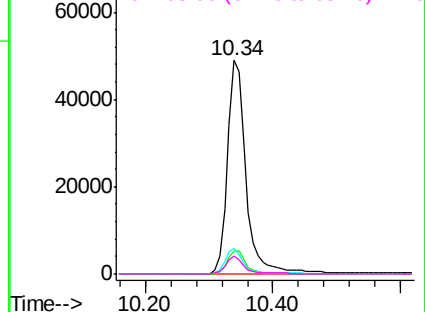
137 10.9 8.7 13.1

54 11.9 9.4 14.0

68 8.6 6.5 9.7



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: 3.40 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA\_E

ClientSampleId :

080315-D506-E-U-BRE

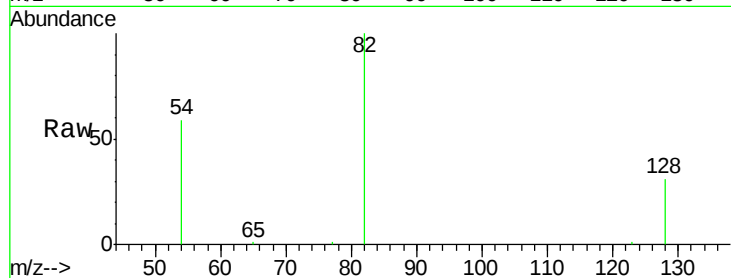
Tot Ion: 82 Resp: 26773

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.6

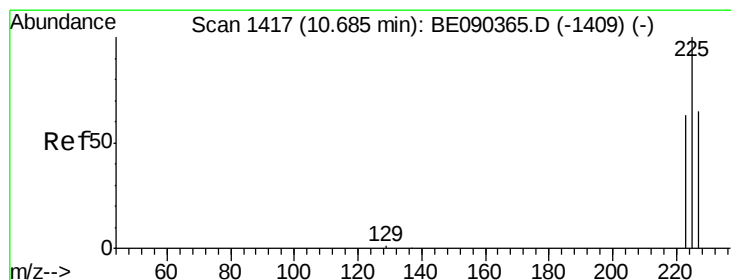
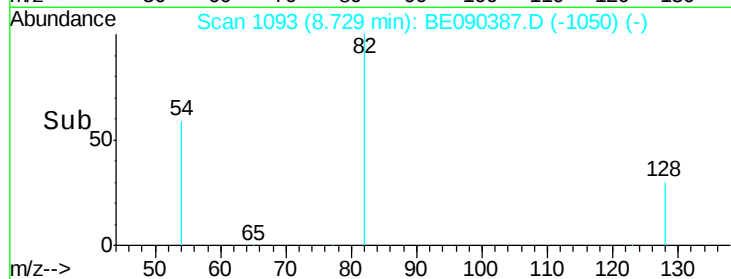
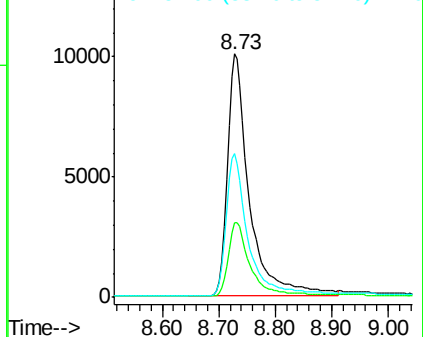
54 59.1 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090387.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090387.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090387.D (-1050) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

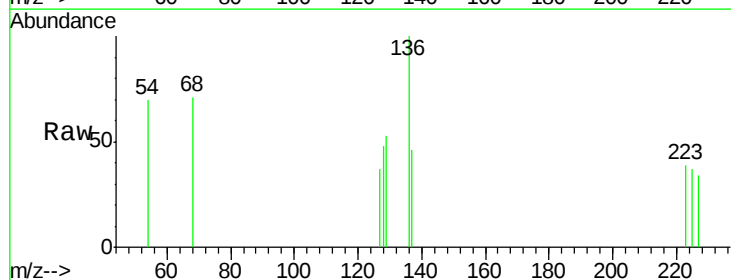
Tgt Ion: 225 Resp: 1

Ion Ratio Lower Upper

225 100

223 400.0 50.6 75.8#

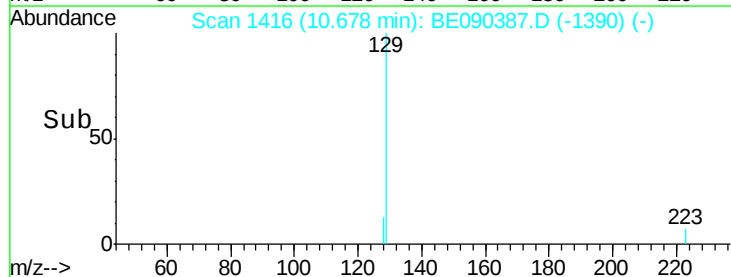
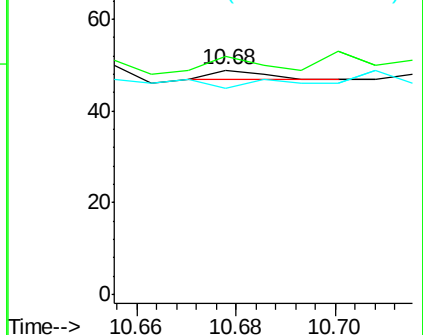
227 0.0 50.7 76.1#

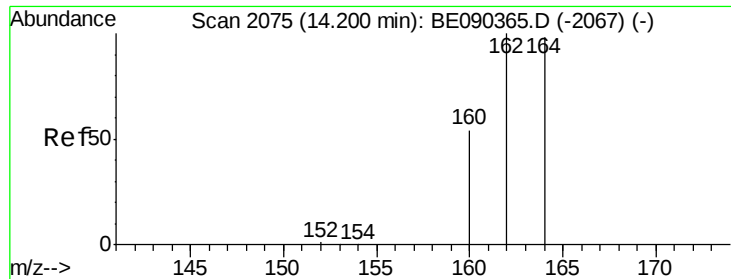


Abundance Ion 225.00 (224.70 to 225.70): BE090387.D (-1390) (-)

Ion 223.00 (222.70 to 223.70): BE090387.D (-1390) (-)

Ion 227.00 (226.70 to 227.70): BE090387.D (-1390) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA\_E

ClientSampleId :

080315-D506-E-U-BRE

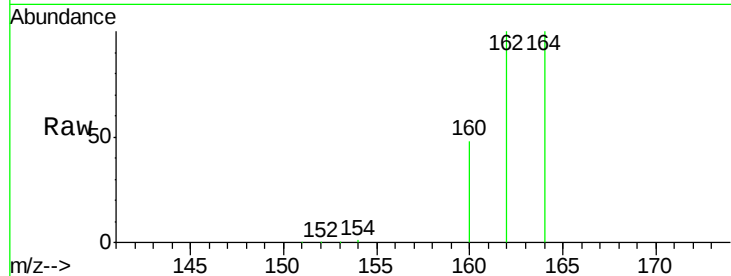
Tot Ion:164 Resp: 58160

Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.8

160 48.4 44.2 66.4



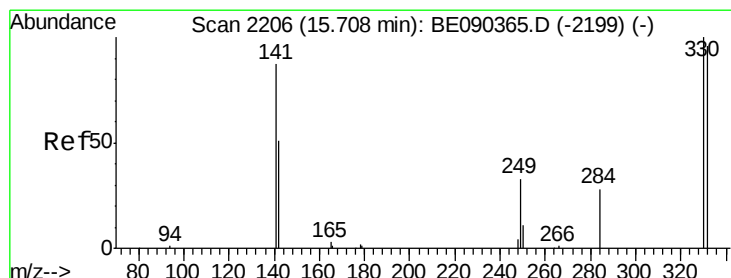
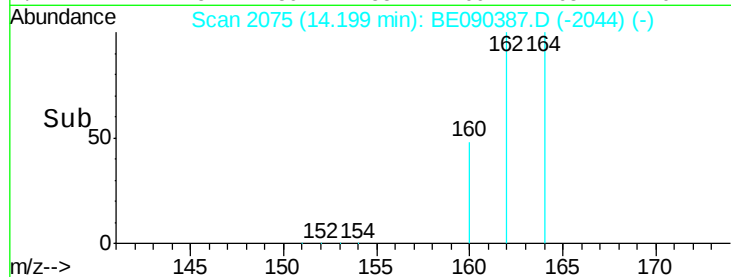
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.20

Time-->



#13

2,4,6-Tribromophenol

Concen: 7.89 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

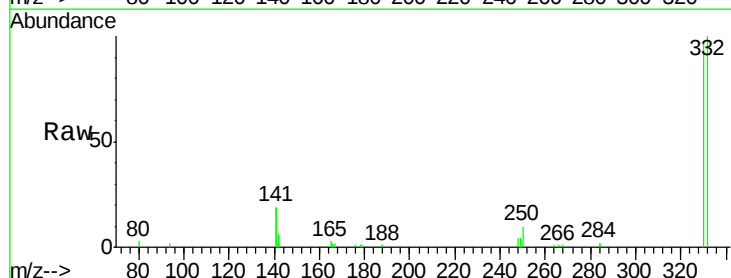
Tgt Ion:330 Resp: 13943

Ion Ratio Lower Upper

330 100

332 97.6 75.8 113.6

141 150.9 114.4 171.6



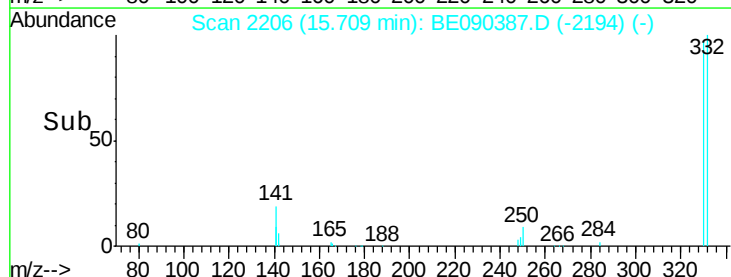
Abundance Ion 329.80 (329.50 to 330.50): E

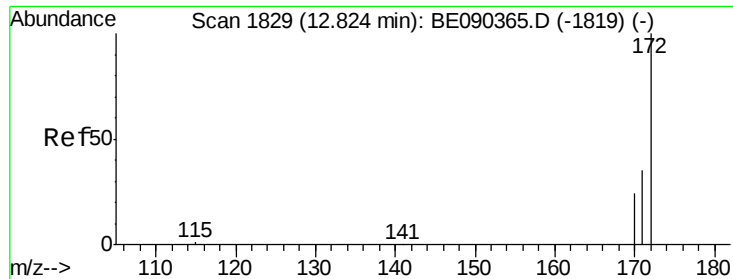
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.71

Time-->

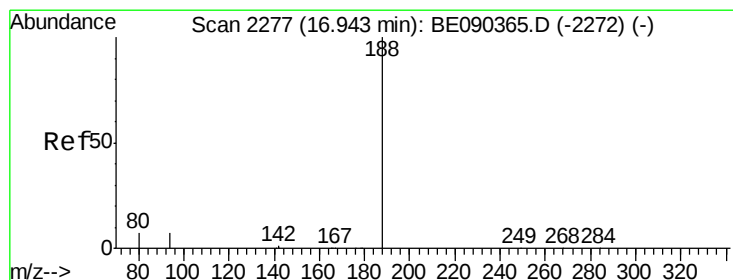
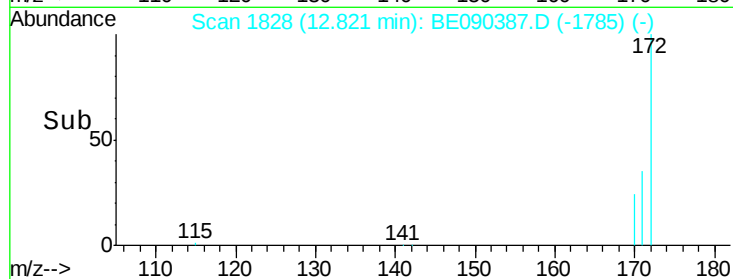
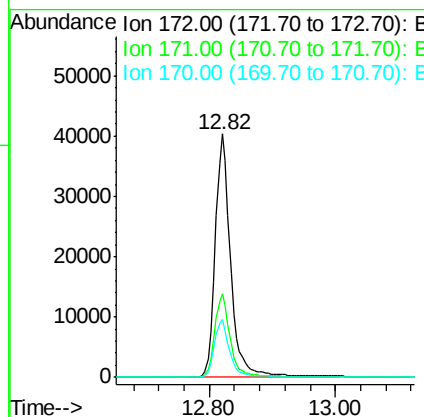
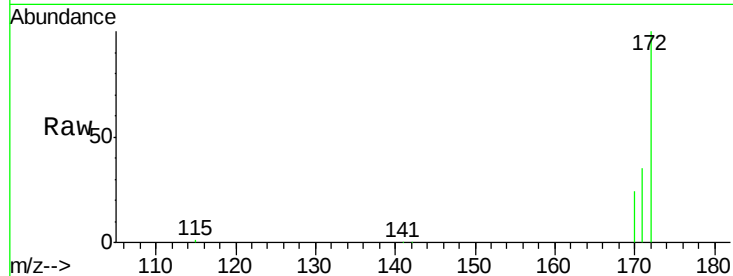




#14  
2-Fluorobiphenyl  
Concen: 4.29 ng  
RT: 12.82 min Scan# 1828  
Delta R.T. -0.00 min  
Lab File: BE090387.D  
Acq: 6 Aug 2015 13:34

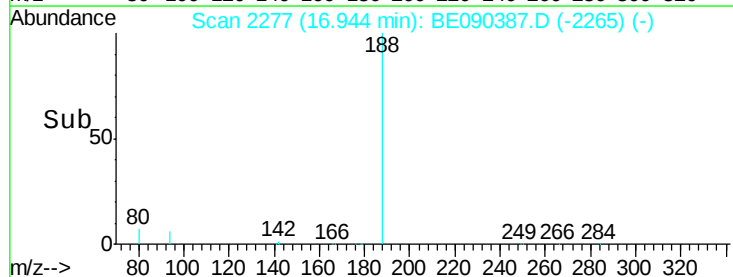
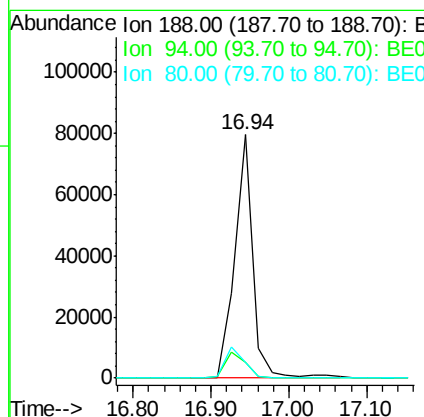
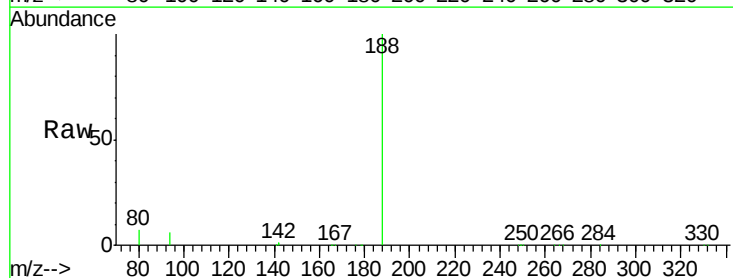
Instrument :  
BNA\_E  
ClientSampleId :  
080315-D506-E-U-BRE

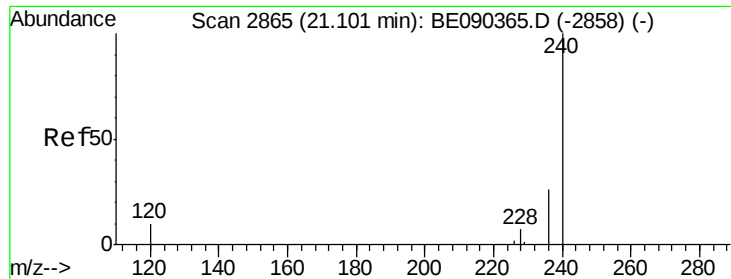
Tot Ion:172 Resp: 68619  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.5 42.7  
170 23.6 19.8 29.8



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.94 min Scan# 2277  
Delta R.T. 0.00 min  
Lab File: BE090387.D  
Acq: 6 Aug 2015 13:34

Tgt Ion:188 Resp: 127781  
Ion Ratio Lower Upper  
188 100  
94 6.4 5.7 8.5  
80 6.7 5.8 8.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA\_E

ClientSampleId :

080315-D506-E-U-BRE

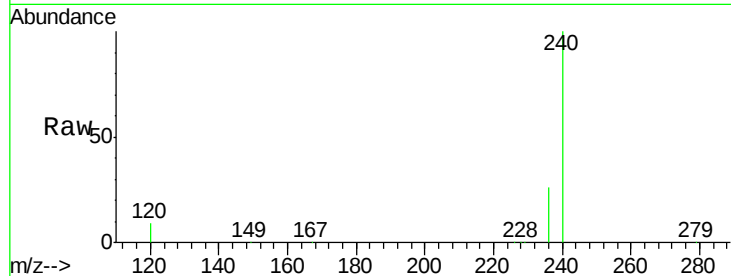
Tot Ion:240 Resp: 159435

Ion Ratio Lower Upper

240 100

120 8.6 8.3 12.5

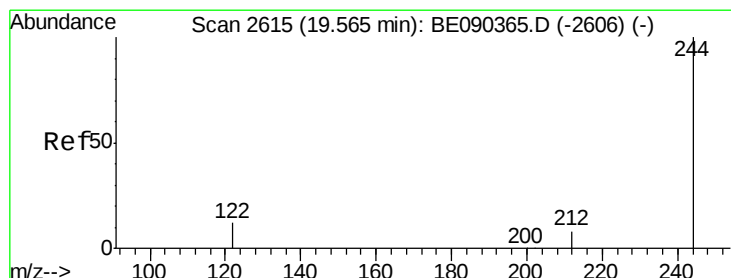
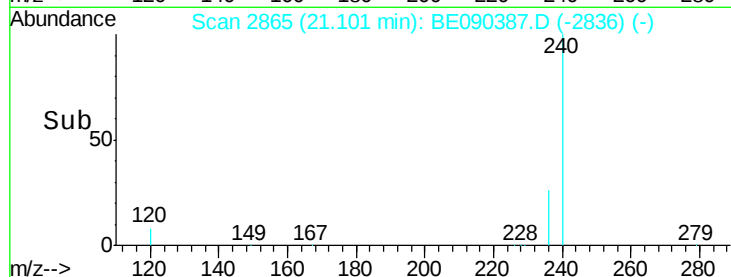
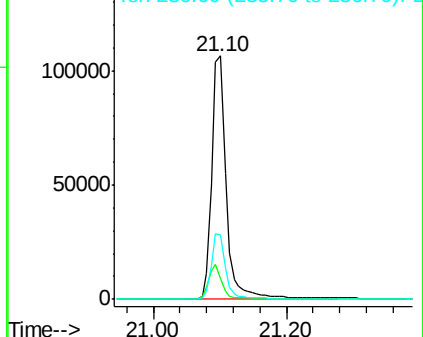
236 26.3 21.0 31.4



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



#27

Terphenyl-d14

Concen: 5.72 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

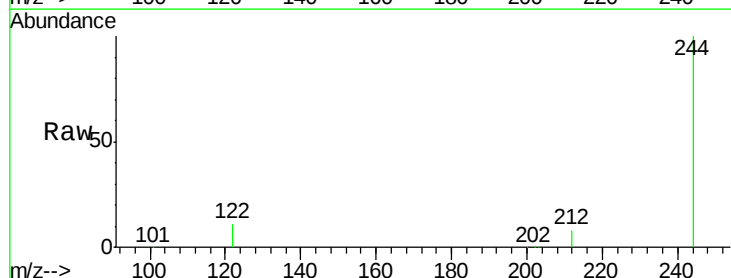
Tgt Ion:244 Resp: 134441

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

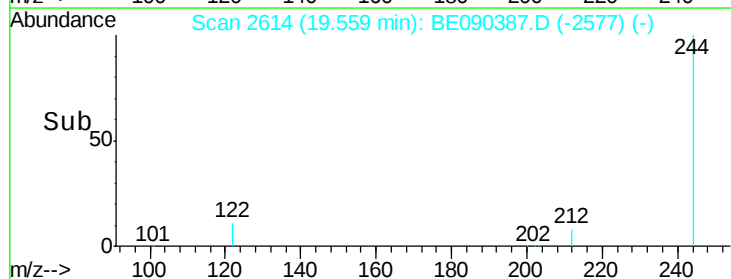
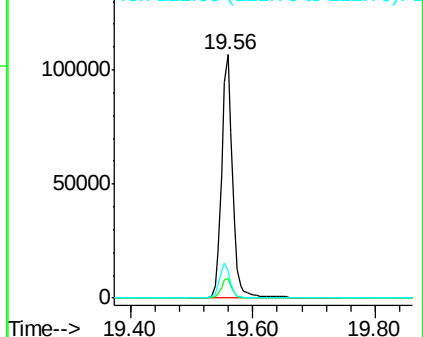
122 11.4 10.2 15.4

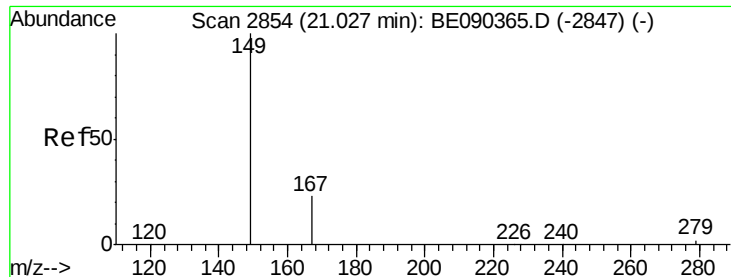


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.93 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA\_E

ClientSampleId :

080315-D506-E-U-BRE

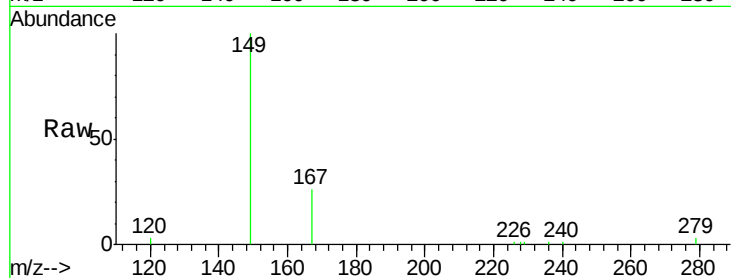
Tot Ion:149 Resp: 7447

Ion Ratio Lower Upper

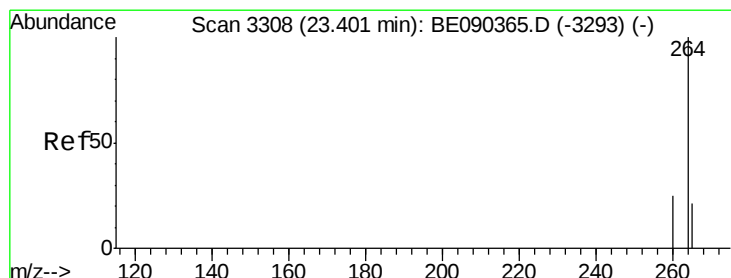
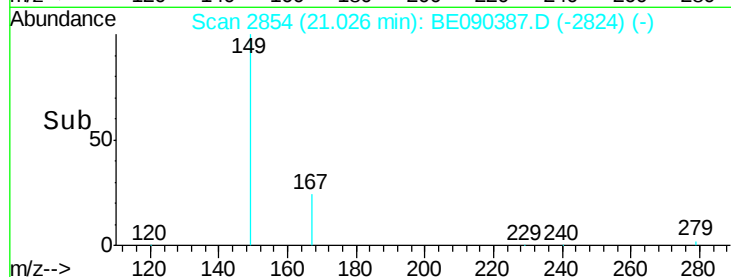
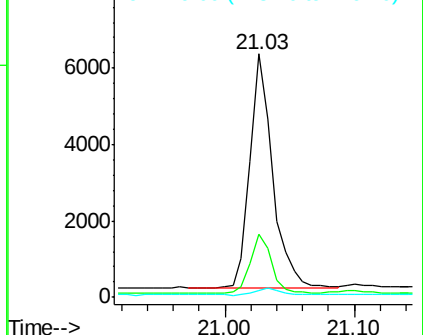
149 100

167 22.8 19.8 29.8

279 3.1 2.4 3.6



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: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

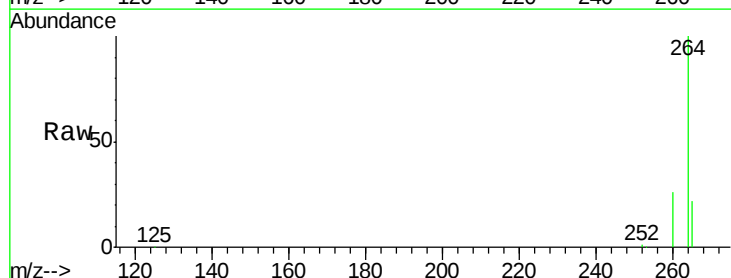
Tgt Ion:264 Resp: 152235

Ion Ratio Lower Upper

264 100

260 25.7 20.1 30.1

265 21.6 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

