

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062415\  
 Data File : BE089934.D  
 Acq On : 24 Jun 2015 16:00  
 Operator : TP/IZ  
 Sample : PB81124BL  
 Misc : LOD/LOQ-SIM-WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84124BL

Quant Time: Jun 25 03:52:37 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 24 09:27:42 2015  
 Response via : Initial Calibration

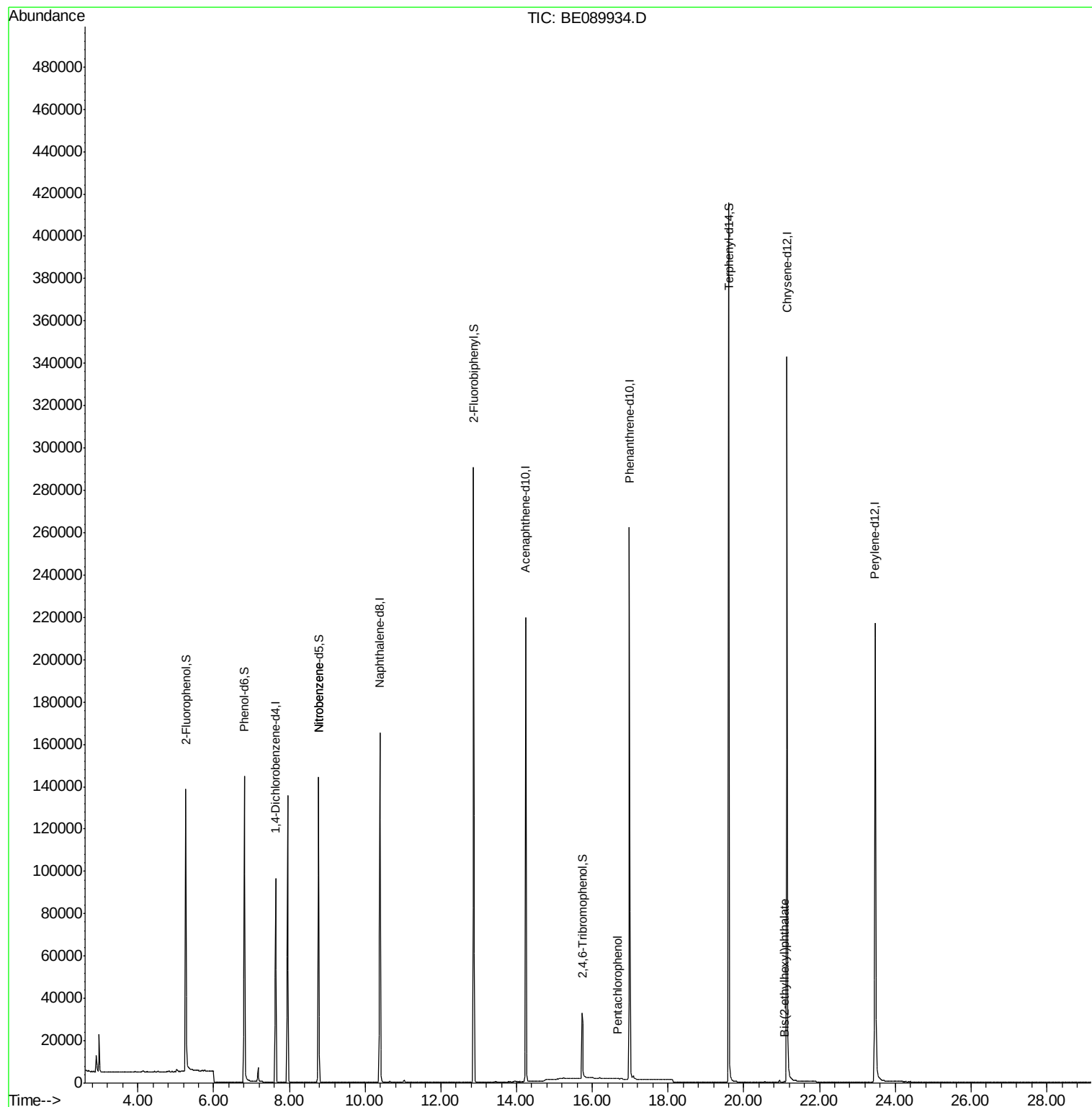
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.64  | 152  | 45366    | 5.00      | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.39 | 136  | 205845   | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.25 | 164  | 127775   | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.98 | 188  | 312134   | 5.00      | ng    | 0.00     |
| 25) Chrysene-d12               | 21.14 | 240  | 353095   | 5.00      | ng    | 0.00     |
| 32) Perylene-d12               | 23.47 | 264  | 308784   | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.26  | 112  | 93944    | 11.47     | ng    | 0.00     |
| 5) Phenol-d6                   | 6.81  | 99   | 142981   | 11.39     | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.77  | 82   | 114995   | 7.50      | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.74 | 330  | 15950    | 7.11      | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.86 | 172  | 264967   | 7.12      | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.60 | 244  | 442013   | 7.25      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 8) Nitrobenzene                | 8.77  | 77   | 381      | 0.02      | ng    | # 39     |
| 17) Fluorene                   | 15.29 | 166  | 93       | Below Cal |       | # 7      |
| 21) Pentachlorophenol          | 16.67 | 266  | 15       | 0.37      | ng    | # 58     |
| 30) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 189      | 0.03      | ng    | # 85     |

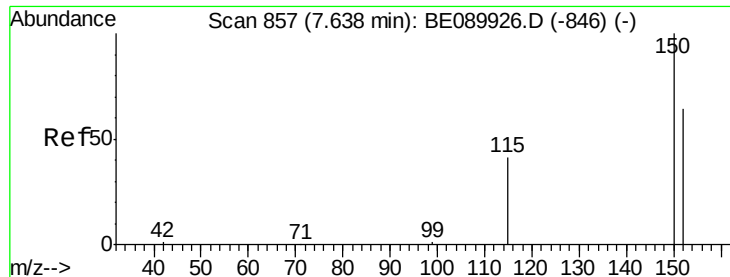
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.64 min Scan# 857

Delta R.T. -0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Instrument :

BNA\_E

ClientSampleId :

PB84124BL

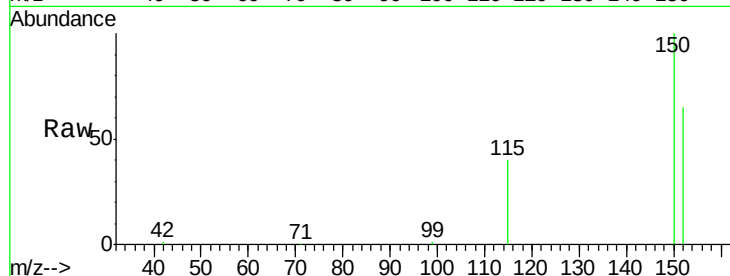
Tgt Ion:152 Resp: 45366

Ion Ratio Lower Upper

152 100

150 153.1 124.6 186.8

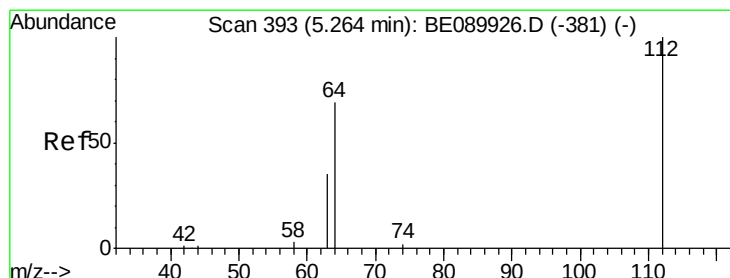
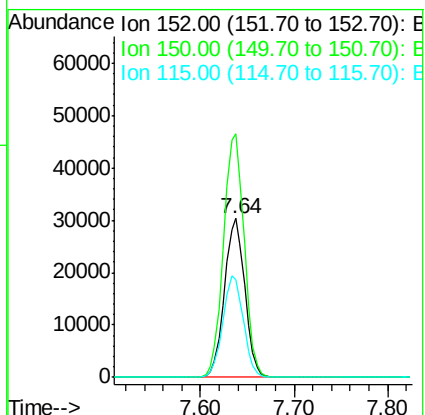
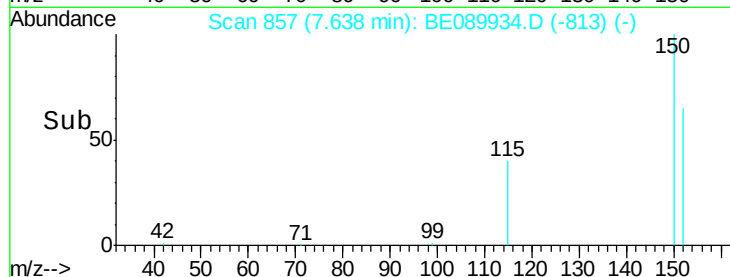
115 61.2 51.6 77.4



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: 11.47 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

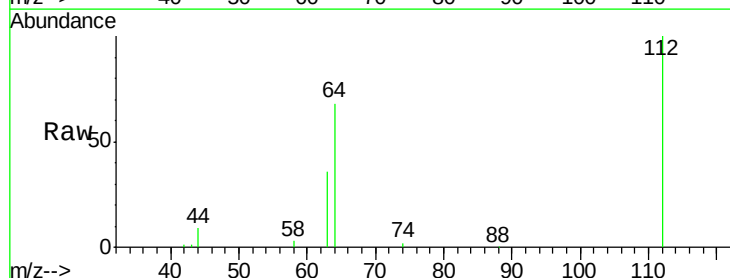
Tgt Ion:112 Resp: 93944

Ion Ratio Lower Upper

112 100

64 72.7 57.4 86.2

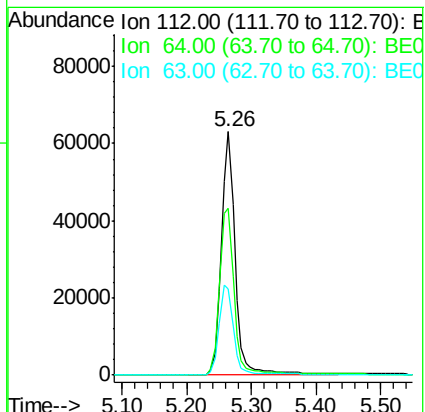
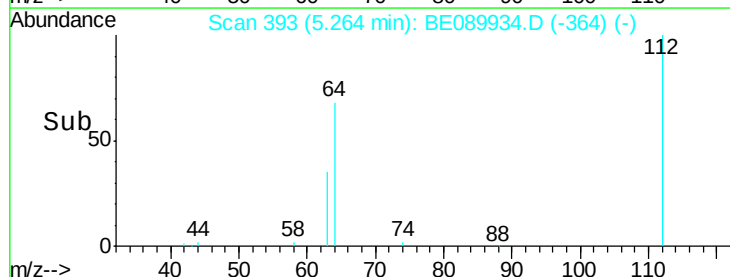
63 39.0 31.2 46.8

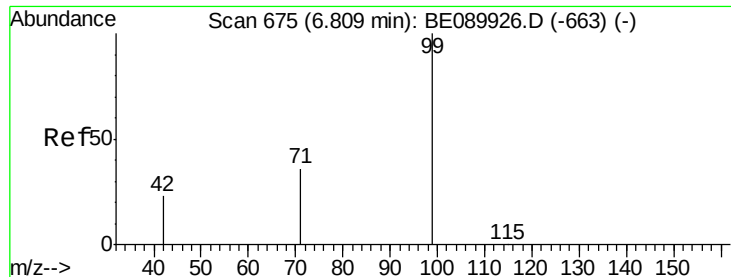


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 11.39 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Instrument :

BNA\_E

ClientSampleId :

PB84124BL

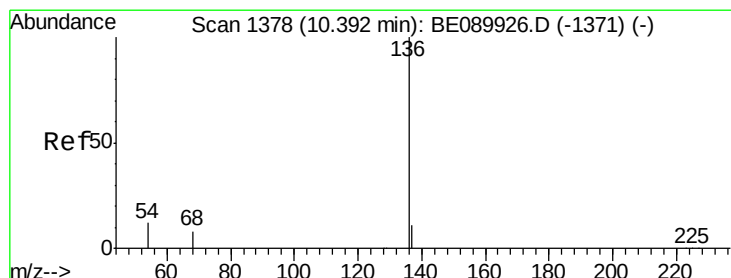
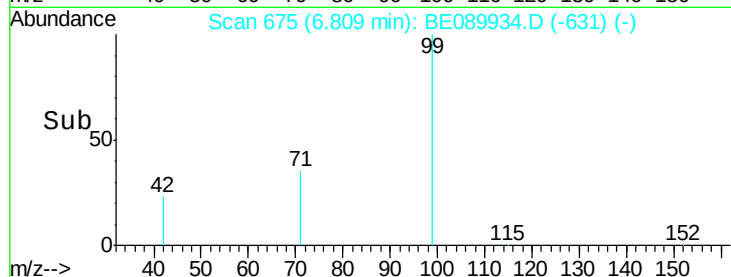
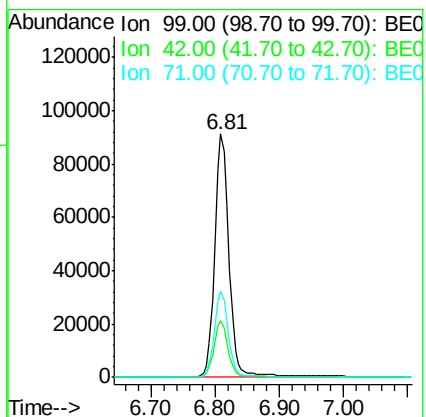
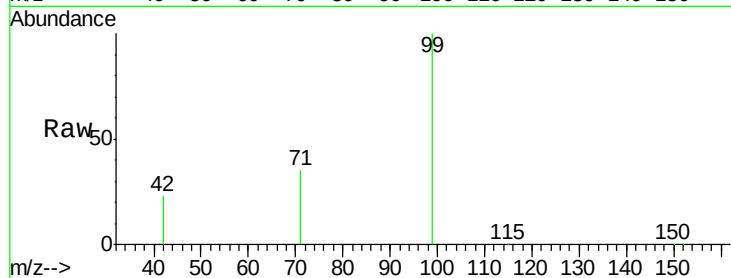
Tgt Ion: 99 Resp: 142981

Ion Ratio Lower Upper

99 100

42 23.2 19.5 29.3

71 35.0 27.8 41.6



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Tgt Ion: 136 Resp: 205845

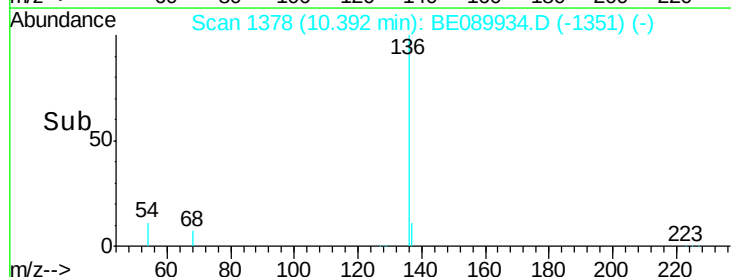
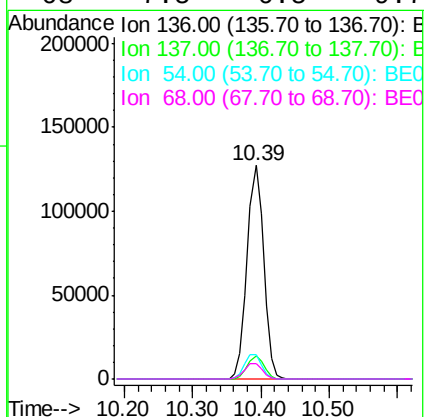
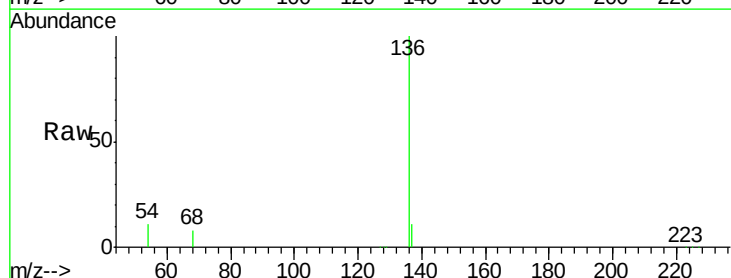
Ion Ratio Lower Upper

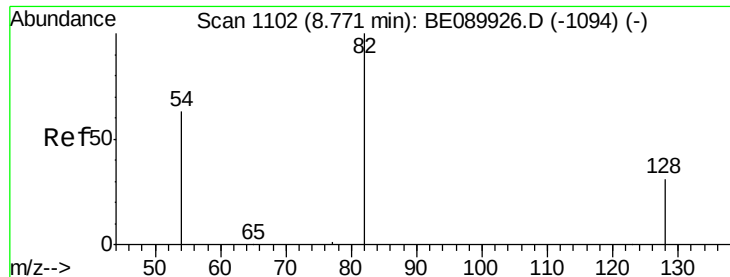
136 100

137 11.1 8.7 13.1

54 11.3 9.7 14.5

68 7.5 6.5 9.7





#7

Nitrobenzene-d5

Concen: 7.50 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Instrument :

BNA\_E

ClientSampleId :

PB84124BL

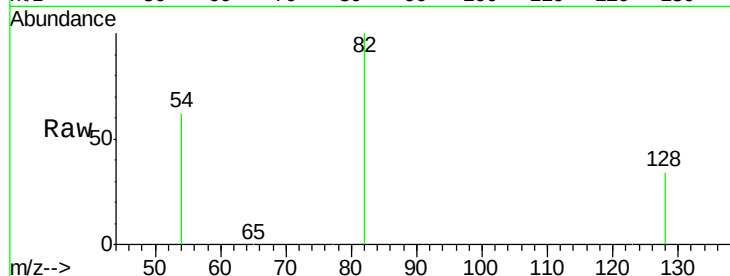
Tgt Ion: 82 Resp: 114995

Ion Ratio Lower Upper

82 100

128 34.1 25.6 38.4

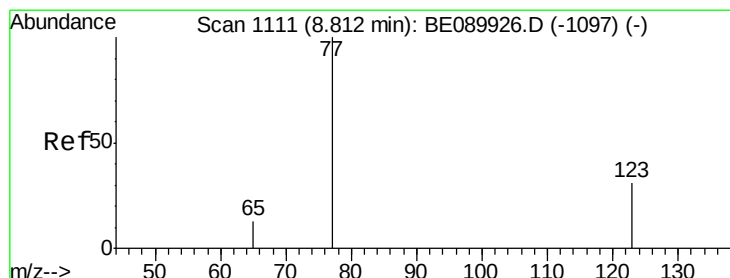
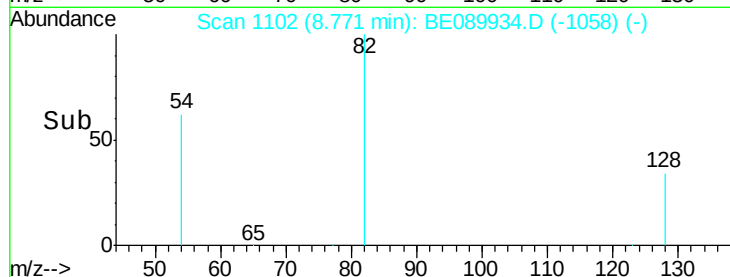
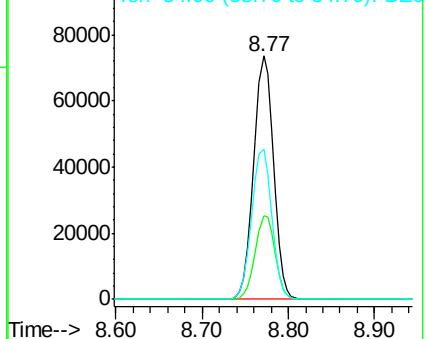
54 61.6 51.2 76.8



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

Nitrobenzene

Concen: 0.02 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.04 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

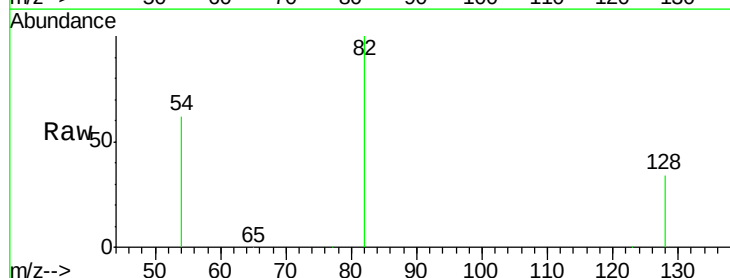
Tgt Ion: 77 Resp: 381

Ion Ratio Lower Upper

77 100

123 1.8 26.6 39.8#

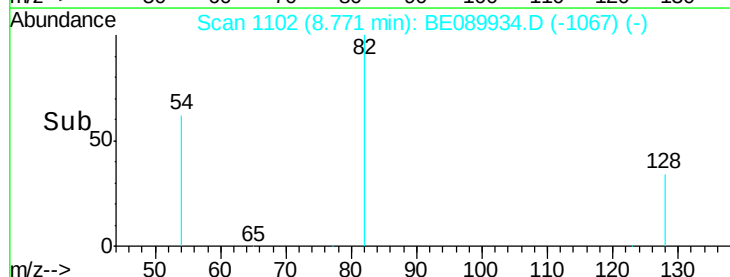
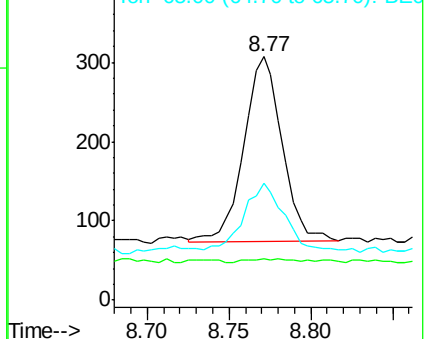
65 42.8 10.2 15.4#

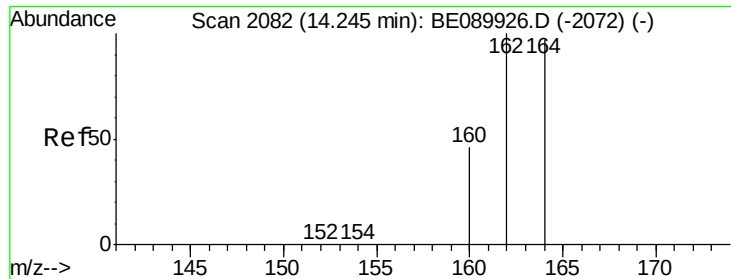


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Instrument :

BNA\_E

ClientSampleId :

PB84124BL

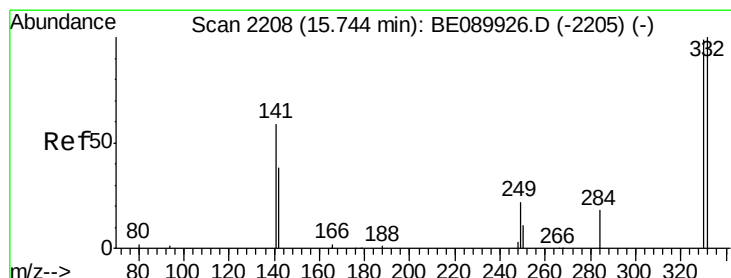
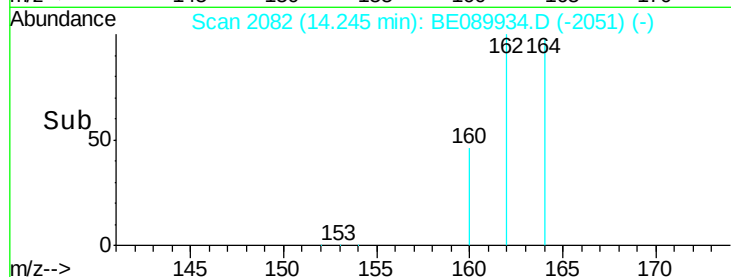
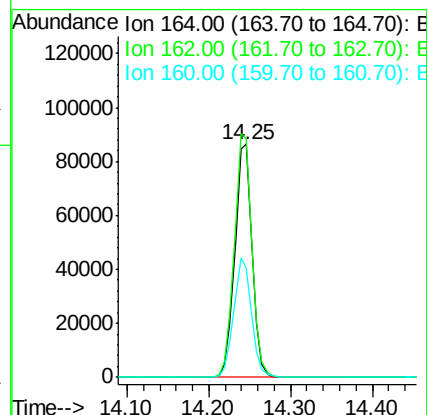
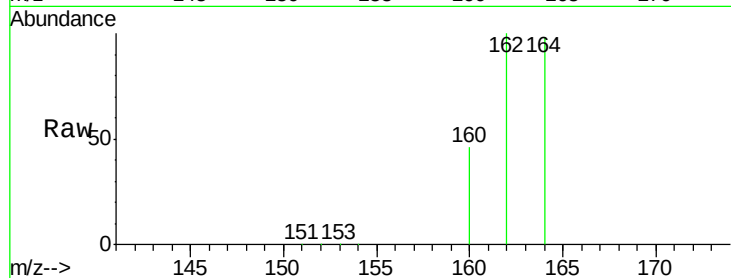
Tgt Ion:164 Resp: 127775

Ion Ratio Lower Upper

164 100

162 102.3 82.7 124.1

160 47.1 38.3 57.5



#13

2,4,6-Tribromophenol

Concen: 7.11 ng

RT: 15.74 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

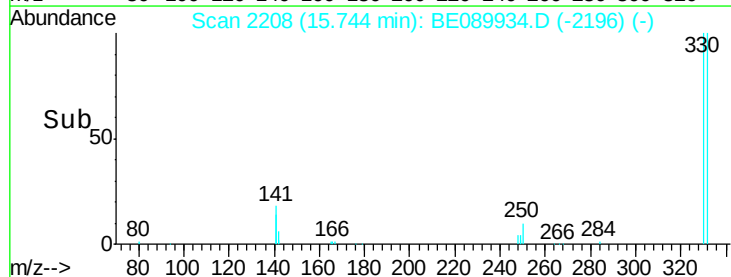
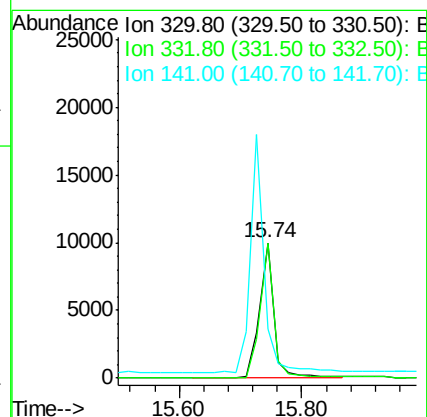
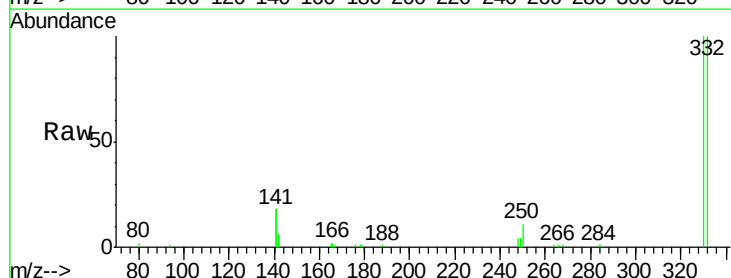
Tgt Ion:330 Resp: 15950

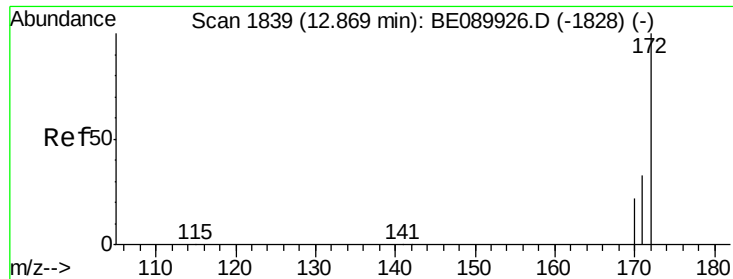
Ion Ratio Lower Upper

330 100

332 96.7 77.9 116.9

141 171.1 142.8 214.2

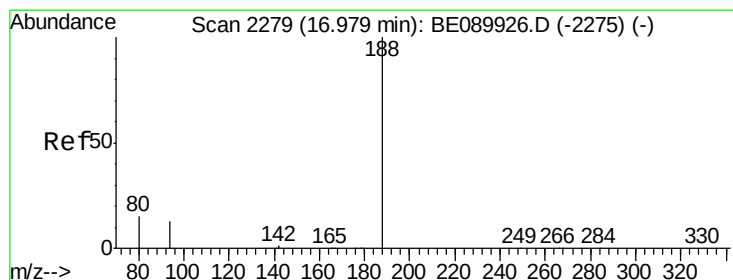
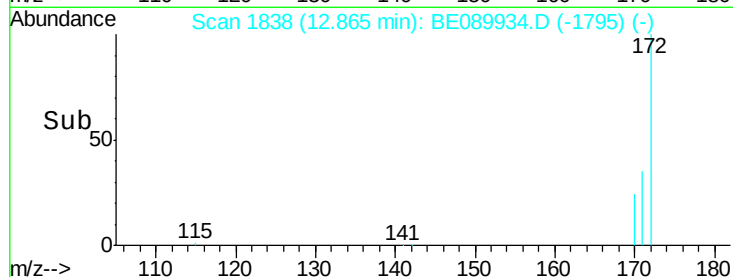
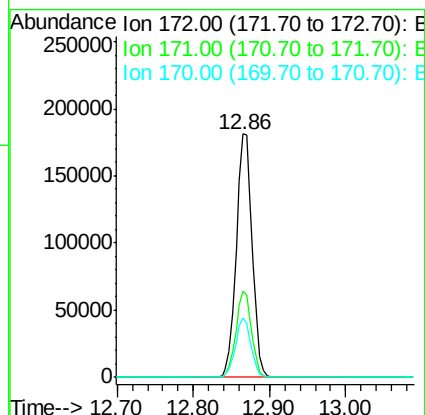
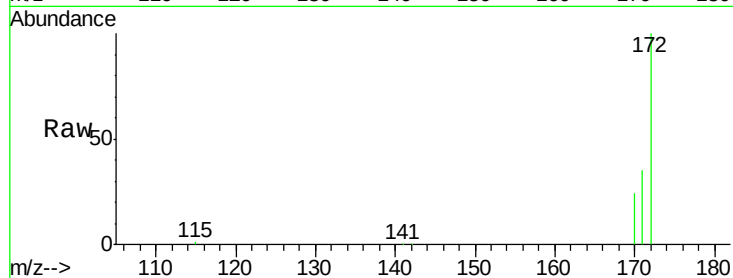




#14  
2-Fluorobiphenyl  
Concen: 7.12 ng  
RT: 12.86 min Scan# 1838  
Delta R.T. -0.00 min  
Lab File: BE089934.D  
Acq: 24 Jun 2015 16:00

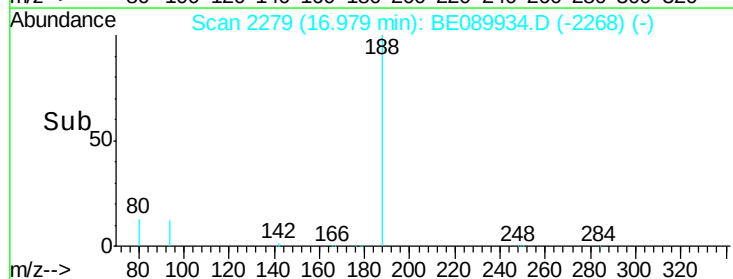
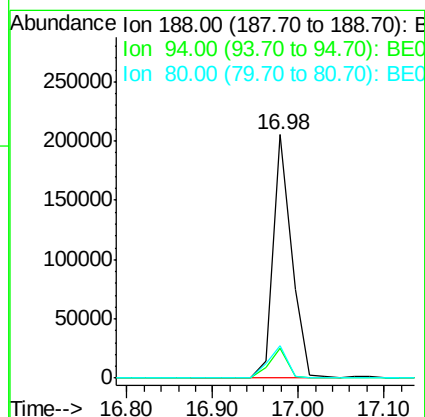
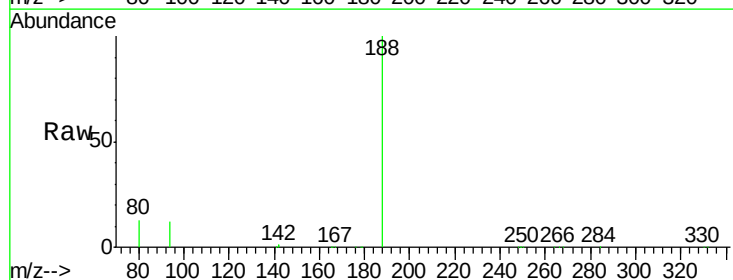
Instrument :  
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ClientSampleId :  
PB84124BL

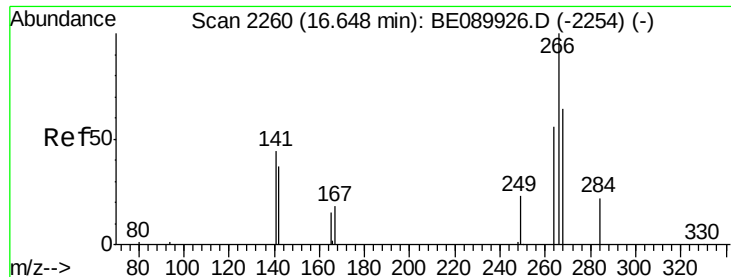
Tgt Ion:172 Resp: 264967  
Ion Ratio Lower Upper  
172 100  
171 35.5 26.7 40.1  
170 24.2 17.5 26.3



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.98 min Scan# 2279  
Delta R.T. -0.00 min  
Lab File: BE089934.D  
Acq: 24 Jun 2015 16:00

Tgt Ion:188 Resp: 312134  
Ion Ratio Lower Upper  
188 100  
94 12.1 10.6 16.0  
80 13.5 11.8 17.6

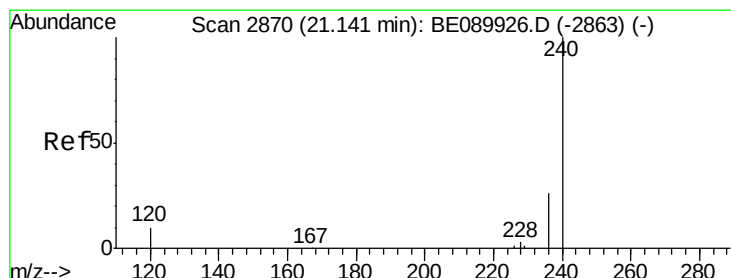
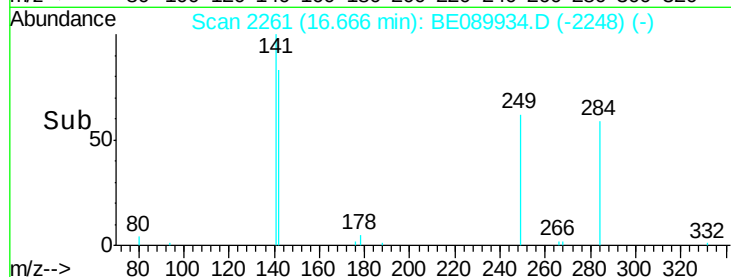
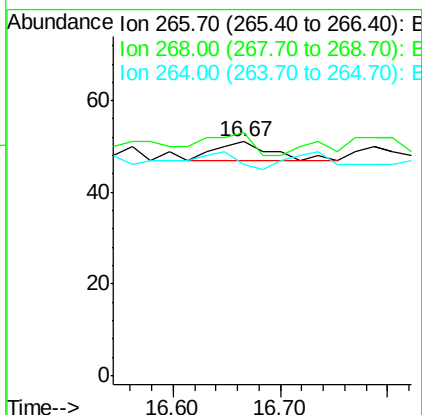
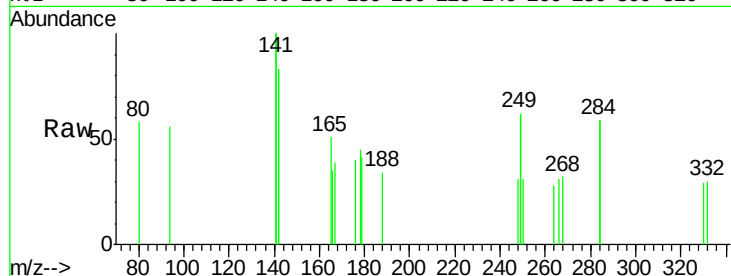




#21  
 Pentachlorophenol  
 Concen: 0.37 ng  
 RT: 16.67 min Scan# 2261  
 Delta R.T. 0.02 min  
 Lab File: BE089934.D  
 Acq: 24 Jun 2015 16:00

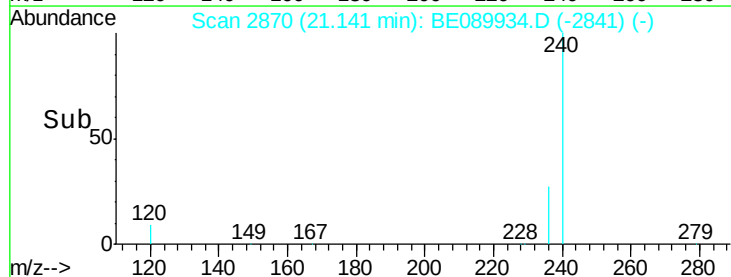
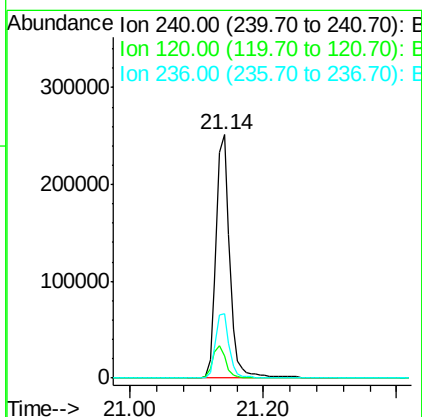
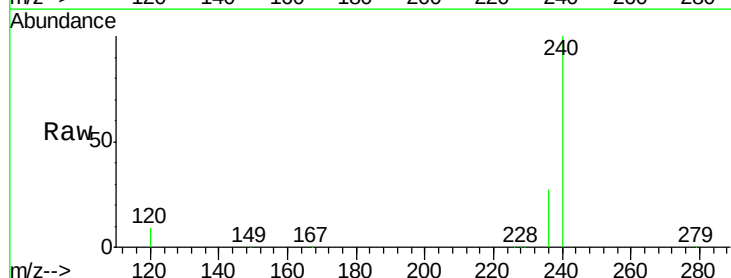
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84124BL

Tgt Ion: 266 Resp: 15  
 Ion Ratio Lower Upper  
 266 100  
 268 103.9 54.4 81.6#  
 264 90.2 48.2 72.2#

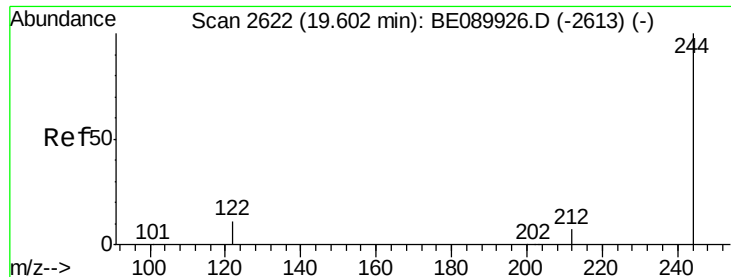


#25  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.14 min Scan# 2870  
 Delta R.T. 0.00 min  
 Lab File: BE089934.D  
 Acq: 24 Jun 2015 16:00

Tgt Ion: 240 Resp: 353095  
 Ion Ratio Lower Upper  
 240 100  
 120 9.2 7.9 11.9  
 236 26.6 21.2 31.8



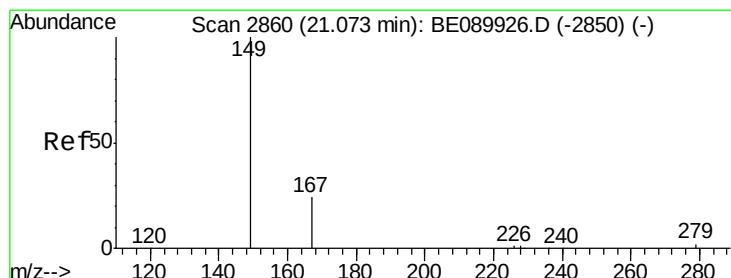
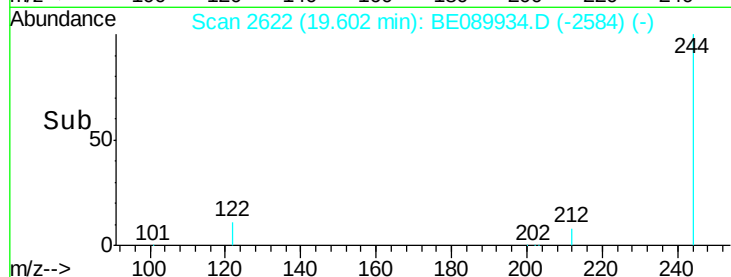
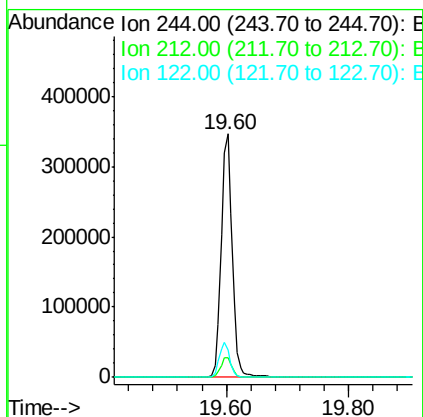
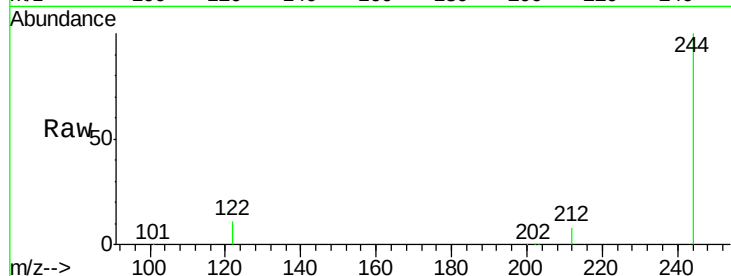




#27  
 Terphenyl-d14  
 Concen: 7.25 ng  
 RT: 19.60 min Scan# 2622  
 Delta R.T. -0.00 min  
 Lab File: BE089934.D  
 Acq: 24 Jun 2015 16:00

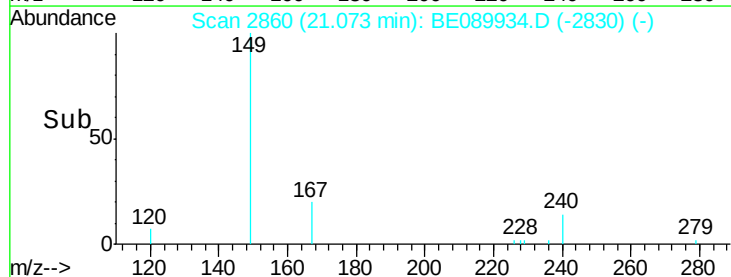
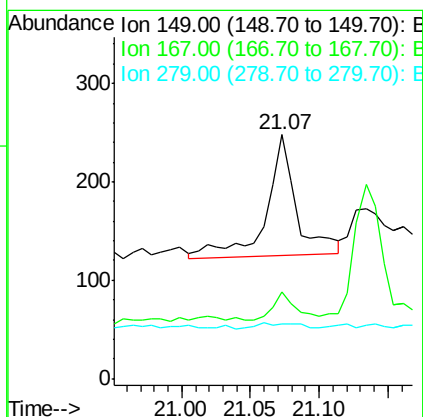
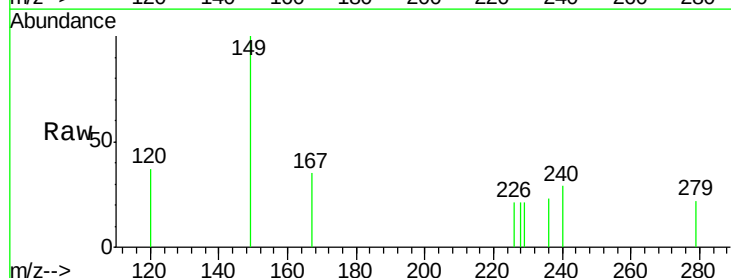
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84124BL

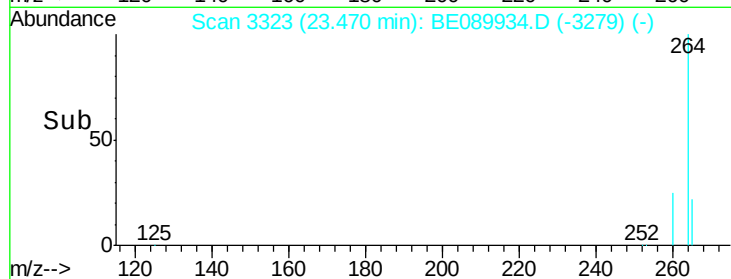
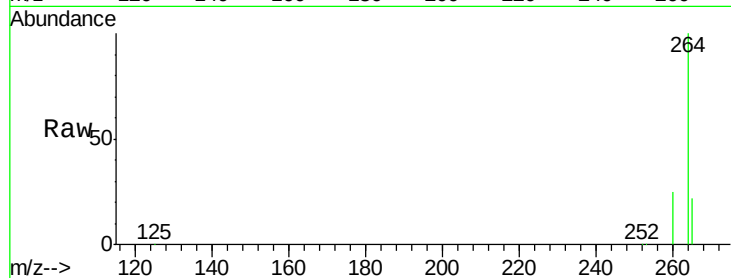
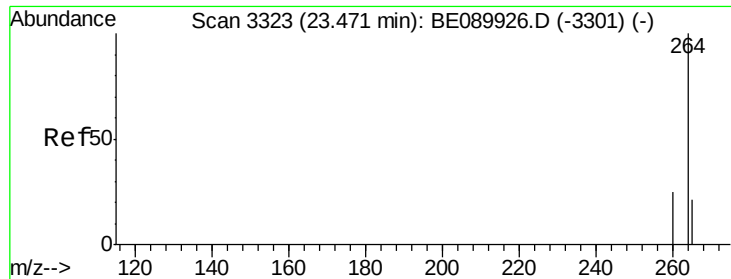
Tgt Ion: 244 Resp: 442013  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.1 9.1  
 122 11.2 8.7 13.1



#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.03 ng  
 RT: 21.07 min Scan# 2860  
 Delta R.T. 0.00 min  
 Lab File: BE089934.D  
 Acq: 24 Jun 2015 16:00

Tgt Ion: 149 Resp: 189  
 Ion Ratio Lower Upper  
 149 100  
 167 17.5 20.3 30.5#  
 279 7.4 2.7 4.1#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3323

Delta R.T. -0.00 min

Lab File: BE089934.D

Acq: 24 Jun 2015 16:00

Instrument :

BNA\_E

ClientSampleId :

PB84124BL

Tgt Ion: 264 Resp: 308784

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.6

265 21.7 17.3 25.9

