

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082815\  
 Data File : BE090660.D  
 Acq On : 28 Aug 2015 17:41  
 Operator : UM/IZ  
 Sample : G3460-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 31 04:52:21 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 14 16:52:42 2015  
 Response via : Initial Calibration

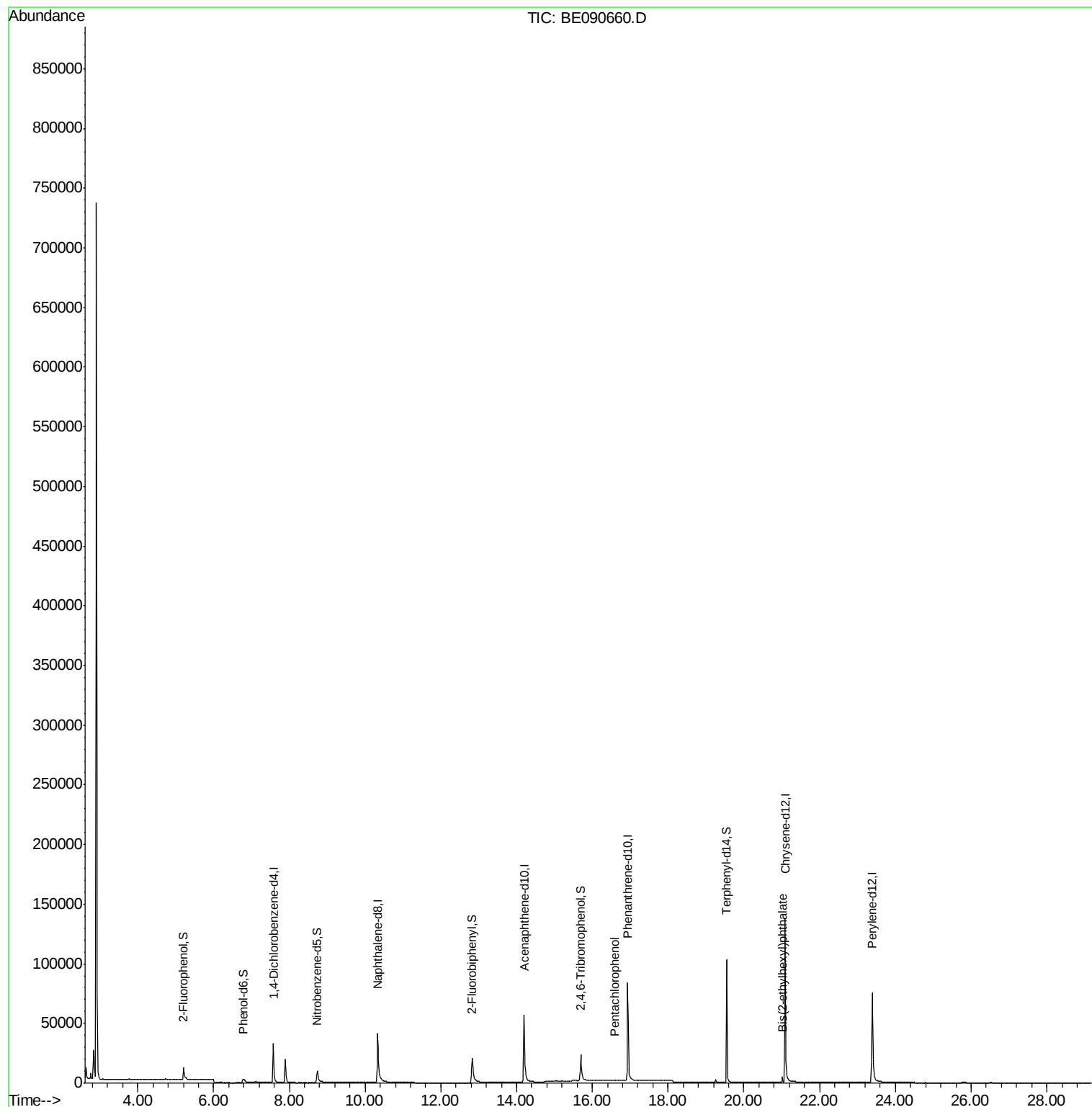
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 20006    | 5.00      | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.33 | 136  | 87187    | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.20 | 164  | 51626    | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.93 | 188  | 138290   | 5.00      | ng    | -0.02    |
| 25) Chrysene-d12               | 21.09 | 240  | 150118   | 5.00      | ng    | 0.00     |
| 32) Perylene-d12               | 23.39 | 264  | 125885   | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 11962    | 2.07      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.78  | 99   | 9035     | 1.06      | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.74  | 82   | 18869    | 2.72      | ng    | 0.01     |
| 13) 2,4,6-Tribromophenol       | 15.69 | 330  | 13053    | 6.57      | ng    | -0.02    |
| 14) 2-Fluorobiphenyl           | 12.83 | 172  | 44497    | 2.89      | ng    | 0.01     |
| 27) Terphenyl-d14              | 19.55 | 244  | 111366   | 4.06      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 28       | Below Cal | #     | 40       |
| 21) Pentachlorophenol          | 16.60 | 266  | 8        | 0.30 ng   | #     | 67       |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 4131     | 0.31 ng   |       | 99       |

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

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Response via : Initial Calibration



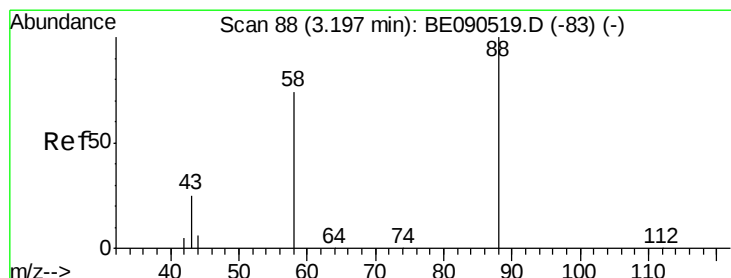
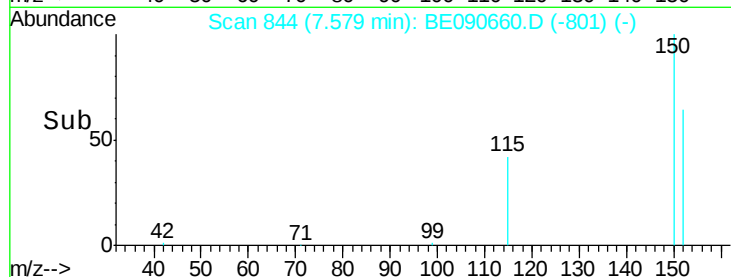
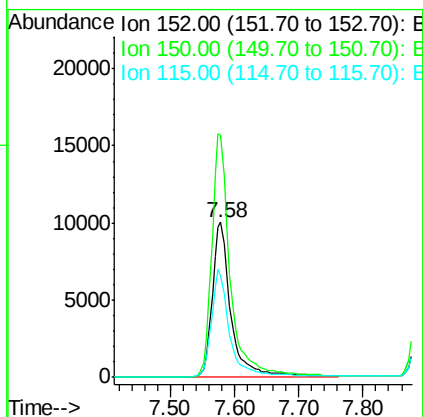
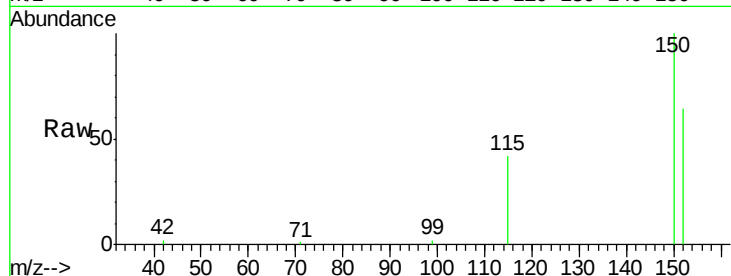


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.58 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

Instrument :  
BNA\_E  
ClientSampleId :

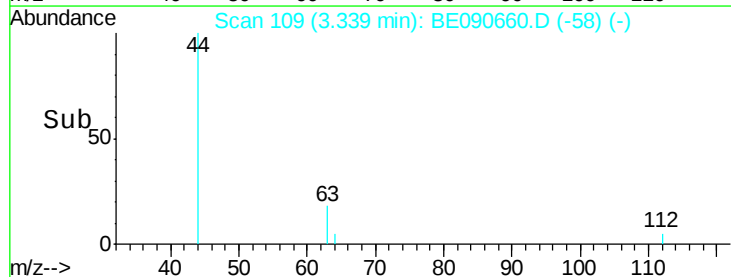
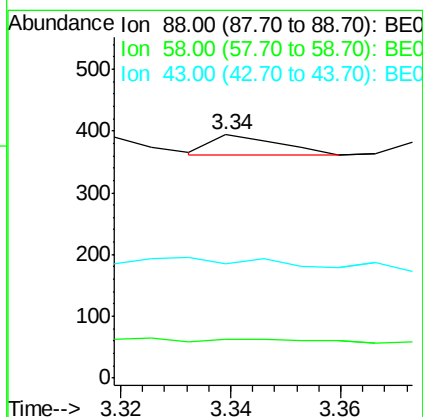
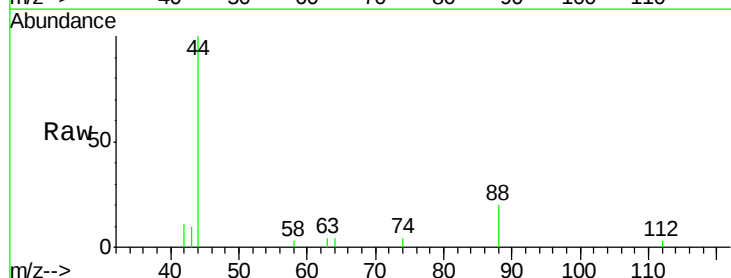
Tot Ion:152 Resp: 20006  
Ion Ratio Lower Upper  
152 100  
150 156.2 123.0 184.4  
115 65.8 48.9 73.3



#2

1,4-Dioxane  
Concen: Below Cal  
RT: 3.34 min Scan# 109  
Delta R.T. 0.14 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

Tgt Ion: 88 Resp: 28  
Ion Ratio Lower Upper  
88 100  
58 32.1 70.0 105.0#  
43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 2.07 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

Instrument :

BNA\_E

ClientSampleId :

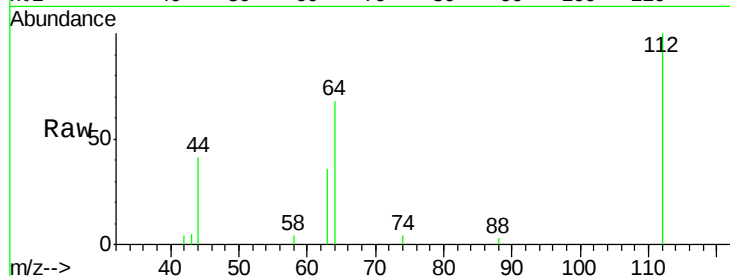
Tot Ion:112 Resp: 11962

Ion Ratio Lower Upper

112 100

64 71.5 37.1 55.7#

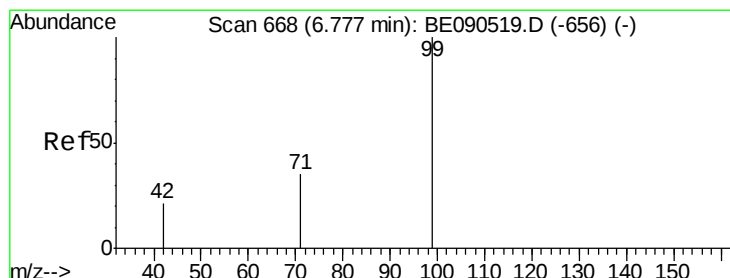
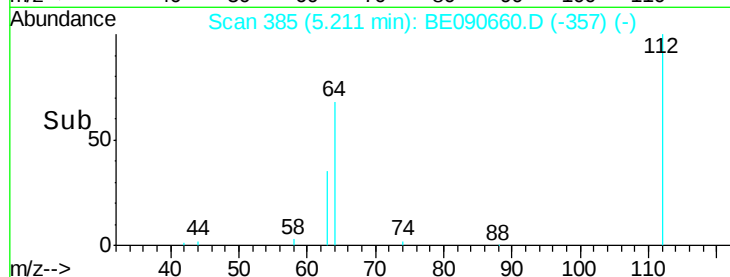
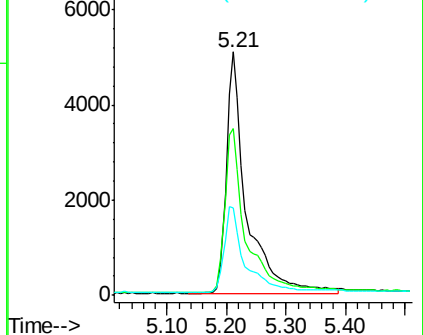
63 37.0 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090519.D (-378) (-)

Ion 64.00 (63.70 to 64.70): BE090519.D (-378) (-)

Ion 63.00 (62.70 to 63.70): BE090519.D (-378) (-)



#5

Phenol-d6

Concen: 1.06 ng

RT: 6.78 min Scan# 669

Delta R.T. 0.00 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

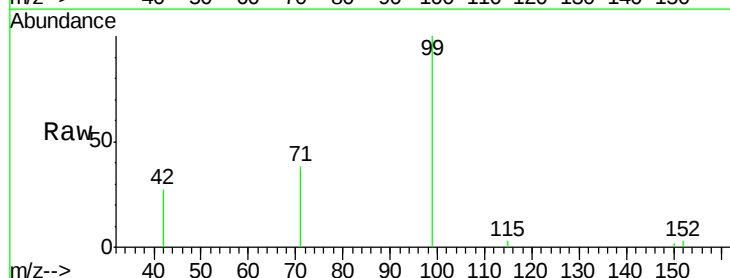
Tgt Ion: 99 Resp: 9035

Ion Ratio Lower Upper

99 100

42 20.1 18.2 27.4

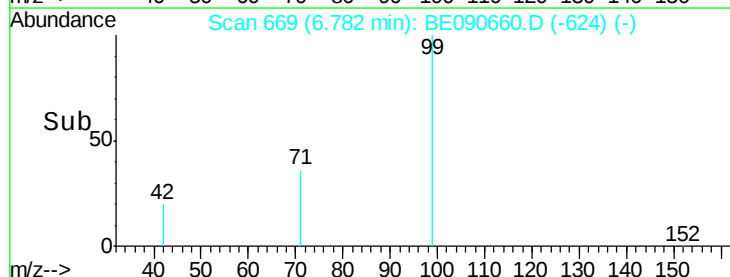
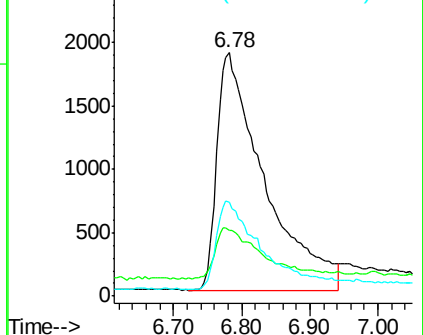
71 36.2 27.4 41.0

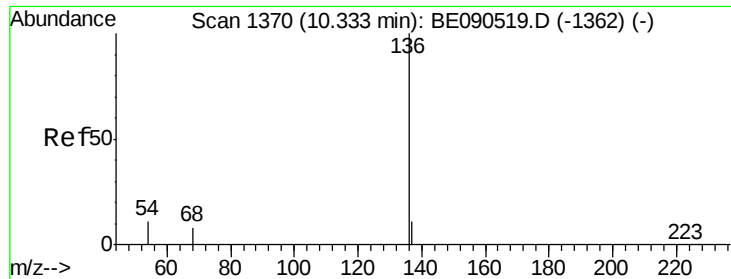


Abundance Ion 99.00 (98.70 to 99.70): BE090519.D (-656) (-)

Ion 42.00 (41.70 to 42.70): BE090519.D (-656) (-)

Ion 71.00 (70.70 to 71.70): BE090519.D (-656) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

Instrument :

BNA\_E

ClientSampled :

Tot Ion:136 Resp: 87187

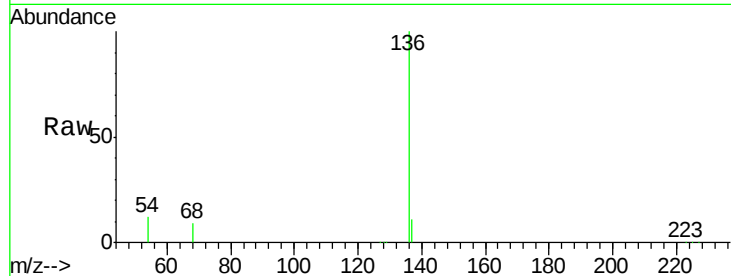
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.7   | 13.1  |
| 54  | 12.2  | 9.4   | 14.0  |
| 68  | 8.8   | 6.5   | 9.7   |

136 100

137 11.0 8.7 13.1

54 12.2 9.4 14.0

68 8.8 6.5 9.7

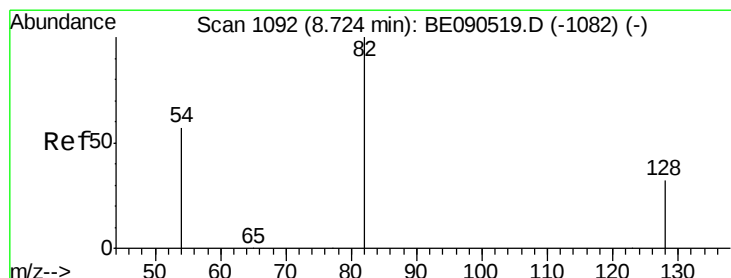
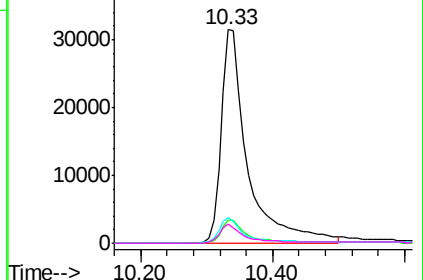
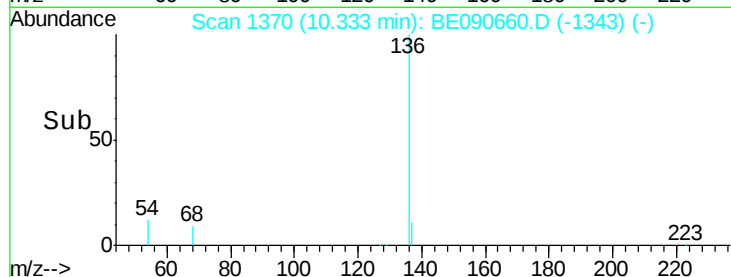


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.72 ng

RT: 8.74 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

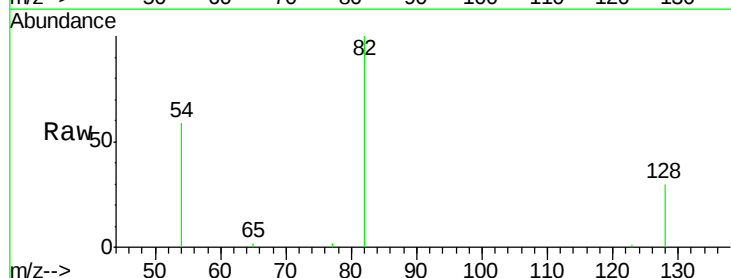
Tgt Ion: 82 Resp: 18869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 30.5  | 25.0  | 37.6  |
| 54  | 59.1  | 48.8  | 73.2  |

82 100

128 30.5 25.0 37.6

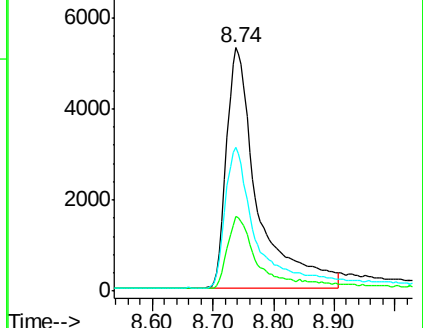
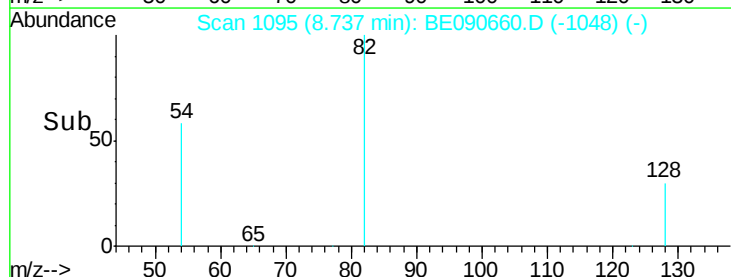
54 59.1 48.8 73.2

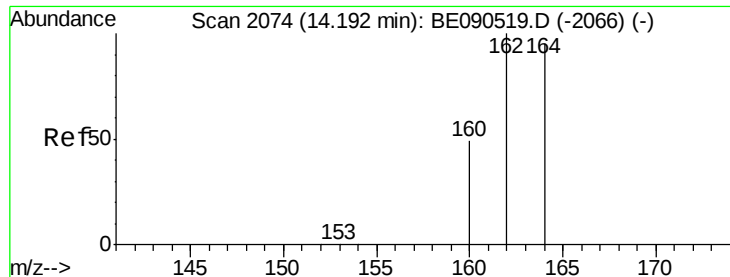


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

Instrument :

BNA\_E

ClientSampleId :

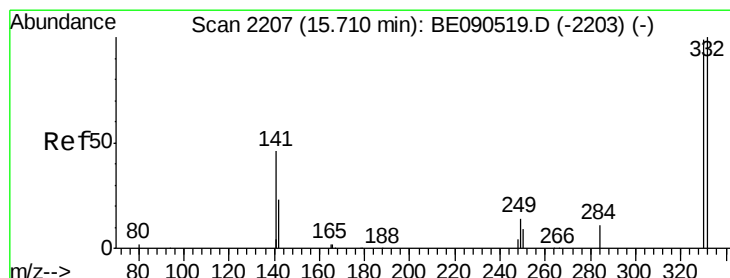
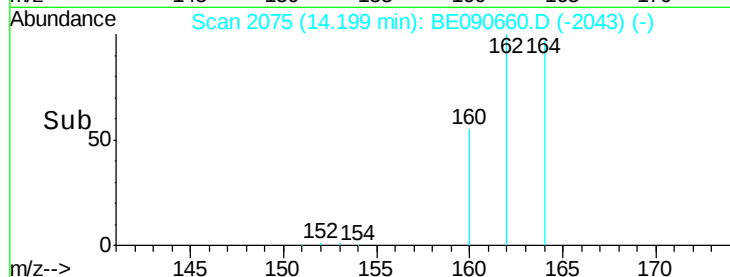
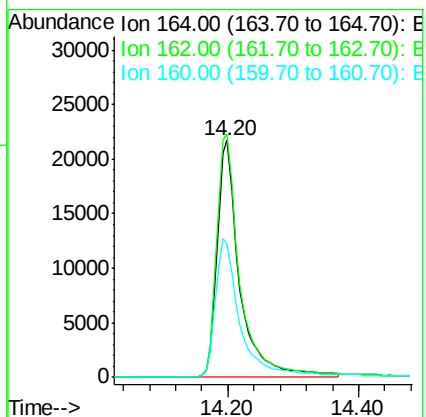
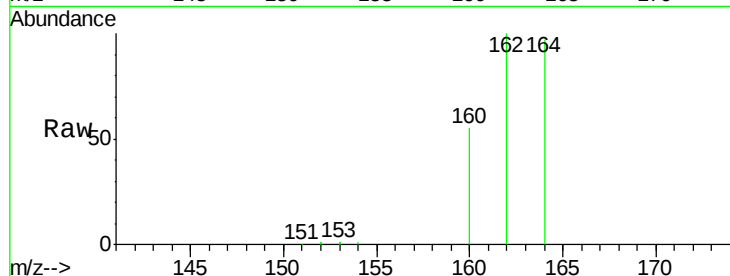
Tot Ion:164 Resp: 51626

Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.8

160 56.3 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 6.57 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090660.D

Acq: 28 Aug 2015 17:41

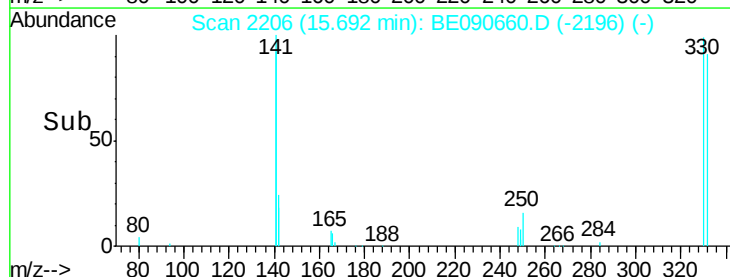
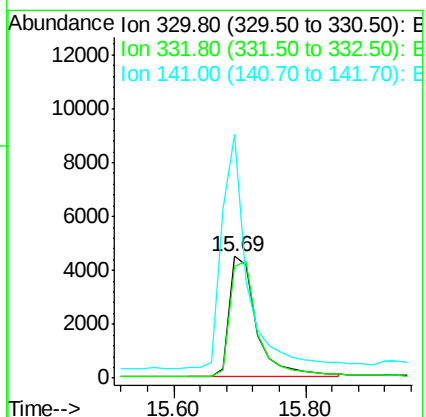
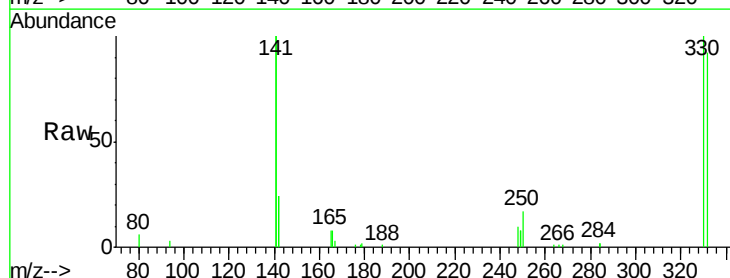
Tgt Ion:330 Resp: 13053

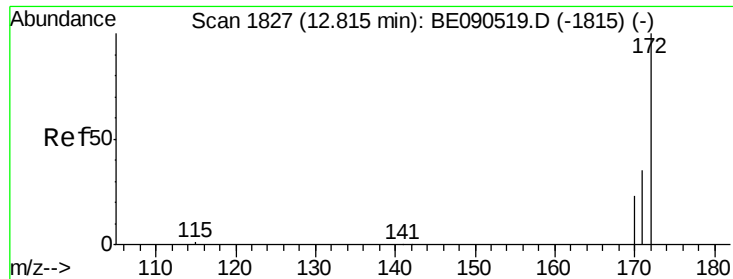
Ion Ratio Lower Upper

330 100

332 97.7 75.8 113.6

141 181.0 114.4 171.6#

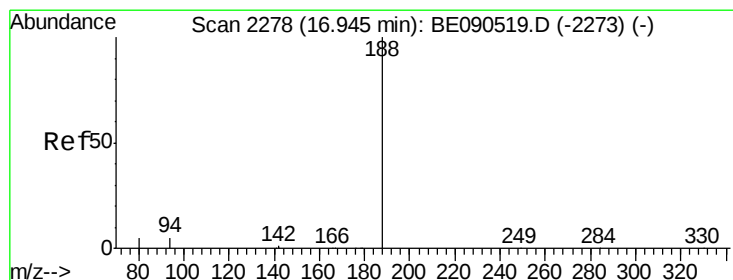
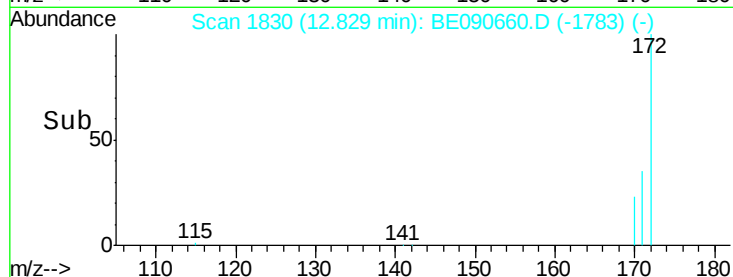
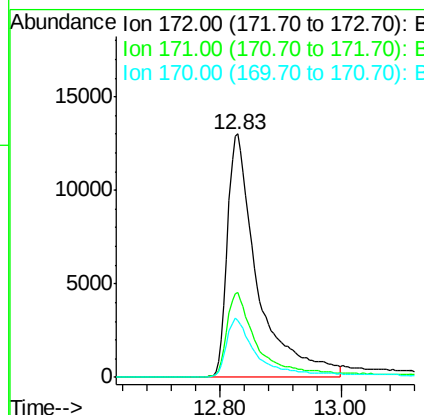
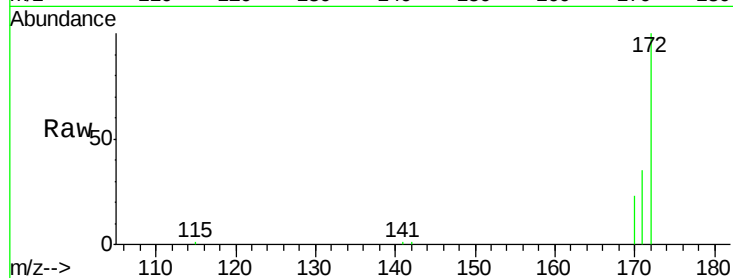




#14  
2-Fluorobiphenyl  
Concen: 2.89 ng  
RT: 12.83 min Scan# 1830  
Delta R.T. 0.01 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

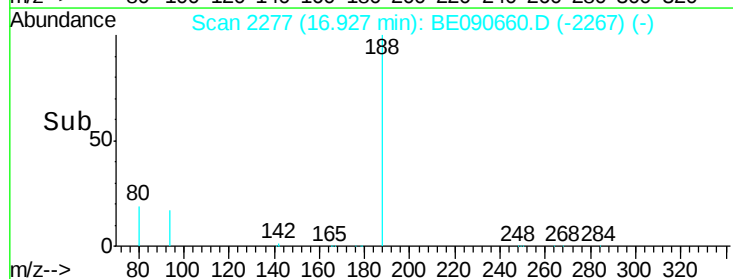
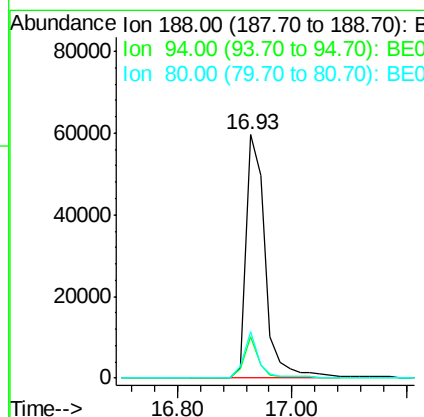
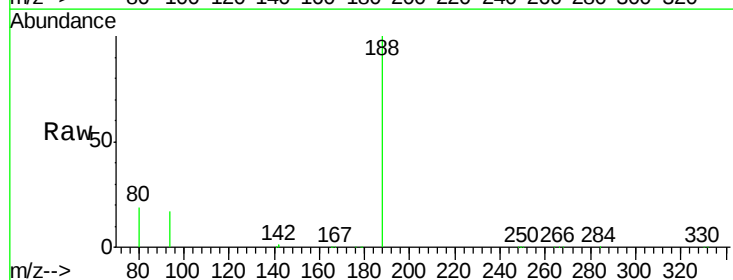
Instrument :  
BNA\_E  
ClientSampleId :

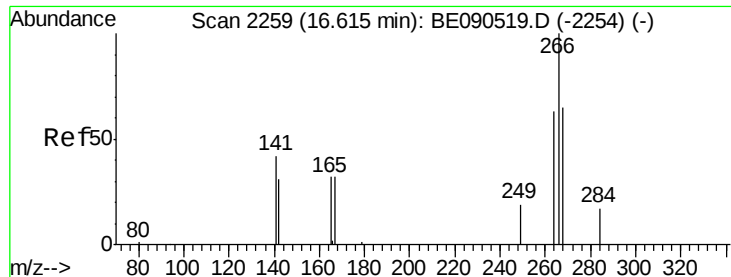
Tot Ion:172 Resp: 44497  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.5 42.7  
170 23.5 19.8 29.8



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.93 min Scan# 2277  
Delta R.T. -0.02 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

Tgt Ion:188 Resp: 138290  
Ion Ratio Lower Upper  
188 100  
94 17.0 5.7 8.5#  
80 19.2 5.8 8.8#

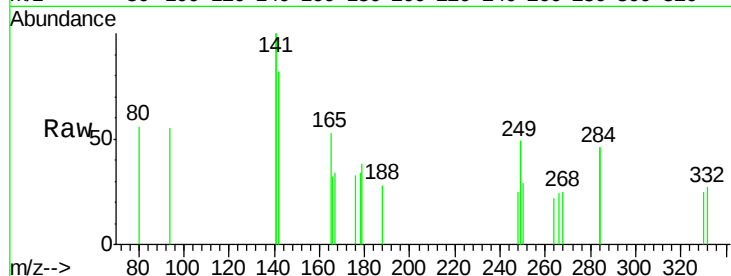




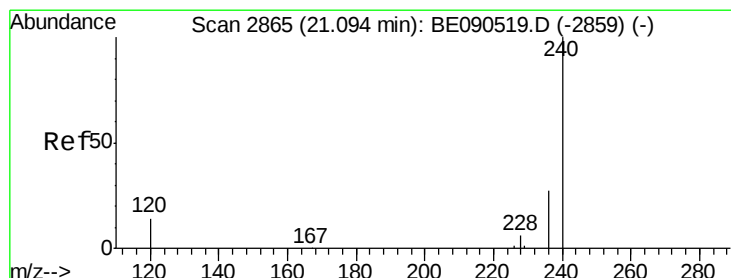
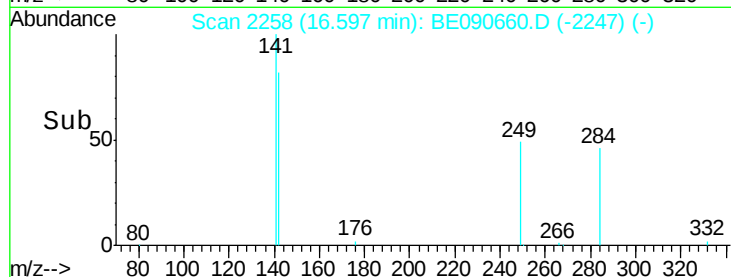
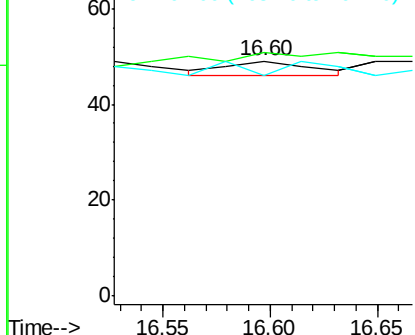
#21  
Pentachlorophenol  
Concen: 0.30 ng  
RT: 16.60 min Scan# 2258  
Delta R.T. -0.02 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:266 Resp: 8  
Ion Ratio Lower Upper  
266 100  
268 104.1 58.5 87.7#  
264 93.9 56.0 84.0#

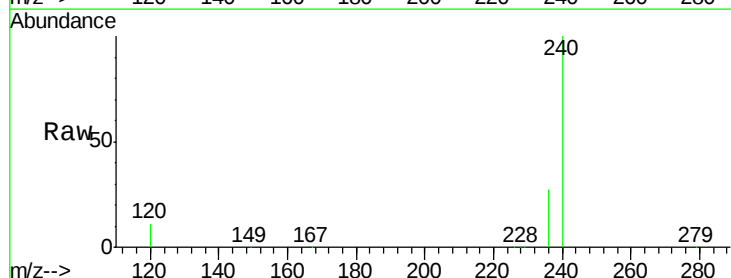


Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E

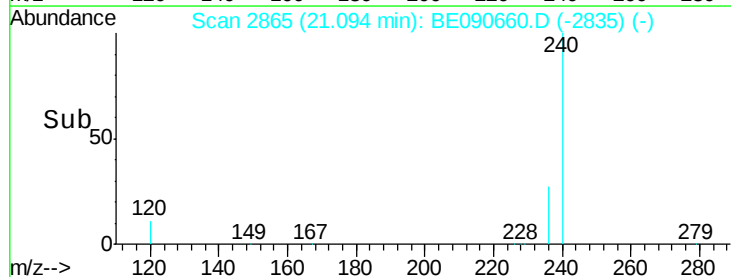
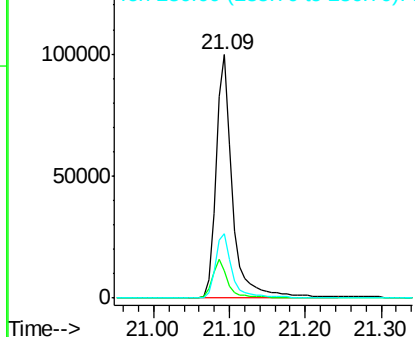


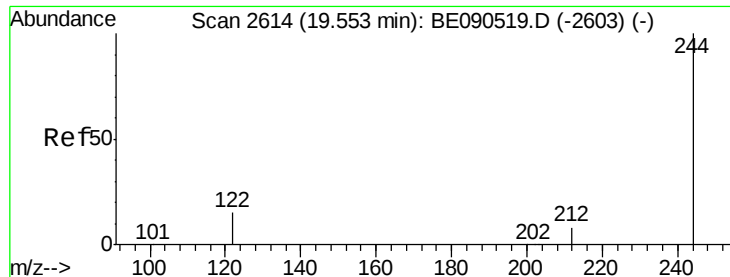
#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.09 min Scan# 2865  
Delta R.T. 0.00 min  
Lab File: BE090660.D  
Acq: 28 Aug 2015 17:41

Tgt Ion:240 Resp: 150118  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.3 12.5  
236 26.6 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

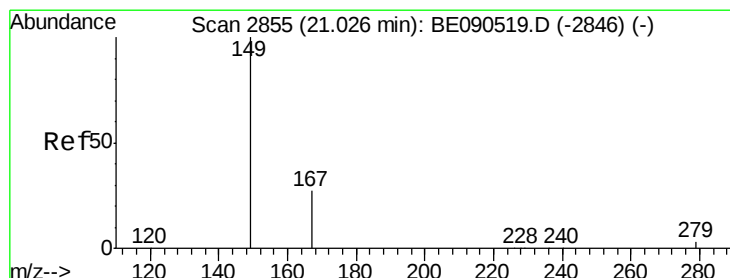
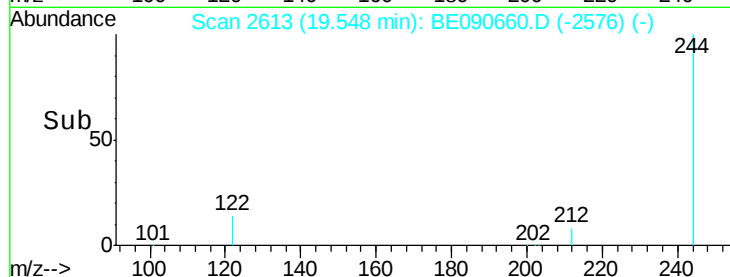
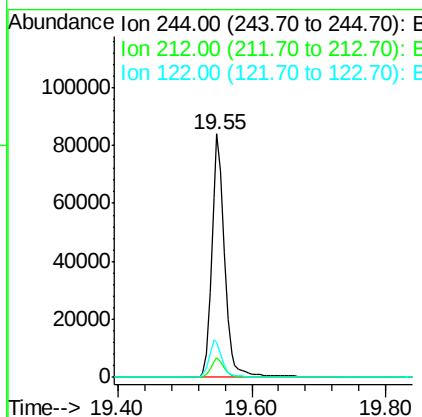
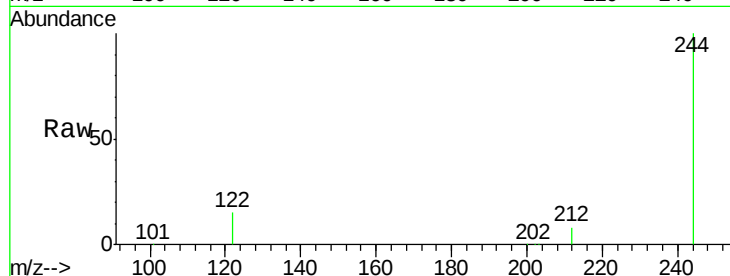




#27  
 Terphenyl-d14  
 Concen: 4.06 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. -0.00 min  
 Lab File: BE090660.D  
 Acq: 28 Aug 2015 17:41

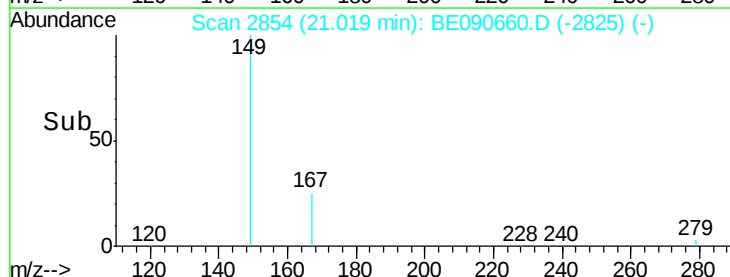
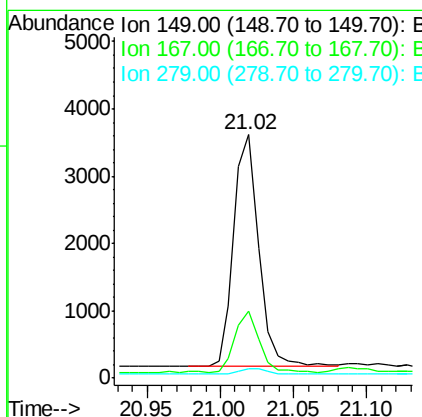
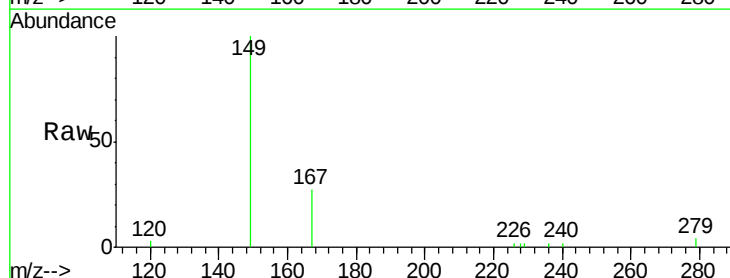
Instrument :  
 BNA\_E  
 ClientSampleId :

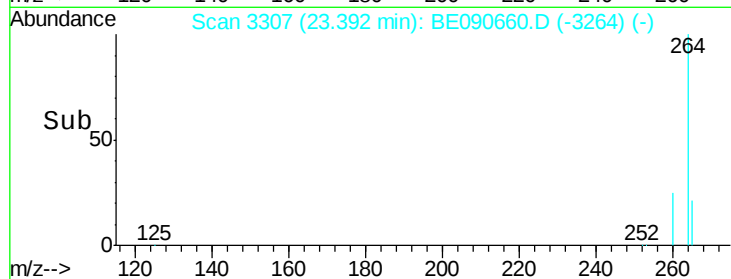
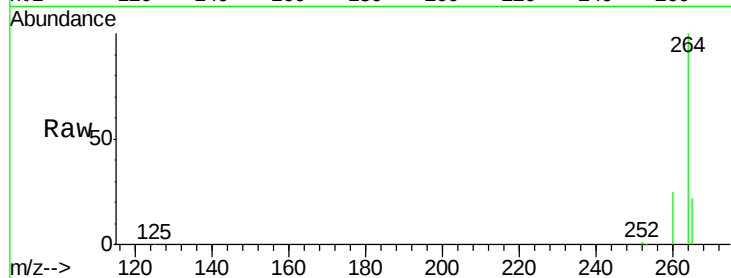
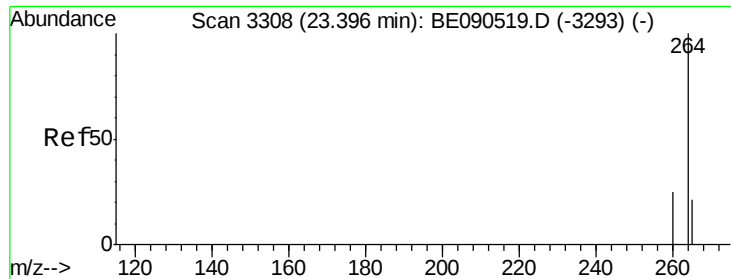
Tot Ion:244 Resp: 111366  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.6 9.8  
 122 14.5 10.2 15.4



#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.31 ng  
 RT: 21.02 min Scan# 2854  
 Delta R.T. -0.01 min  
 Lab File: BE090660.D  
 Acq: 28 Aug 2015 17:41

Tgt Ion:149 Resp: 4131  
 Ion Ratio Lower Upper  
 149 100  
 167 25.4 19.8 29.8  
 279 2.9 2.4 3.6





#32  
 Pervlene-d12  
 Concen: 5.00 ng  
 RT: 23.39 min Scan# 3307  
 Delta R.T. -0.00 min  
 Lab File: BE090660.D  
 Acq: 28 Aug 2015 17:41

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 20.1  | 30.1  |
| 265     | 21.9  | 17.2  | 25.8  |

