

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082515\  
 Data File : BE090629.D  
 Acq On : 26 Aug 2015 00:35  
 Operator : UM/IZ  
 Sample : G3401-09  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 26 03:29:19 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

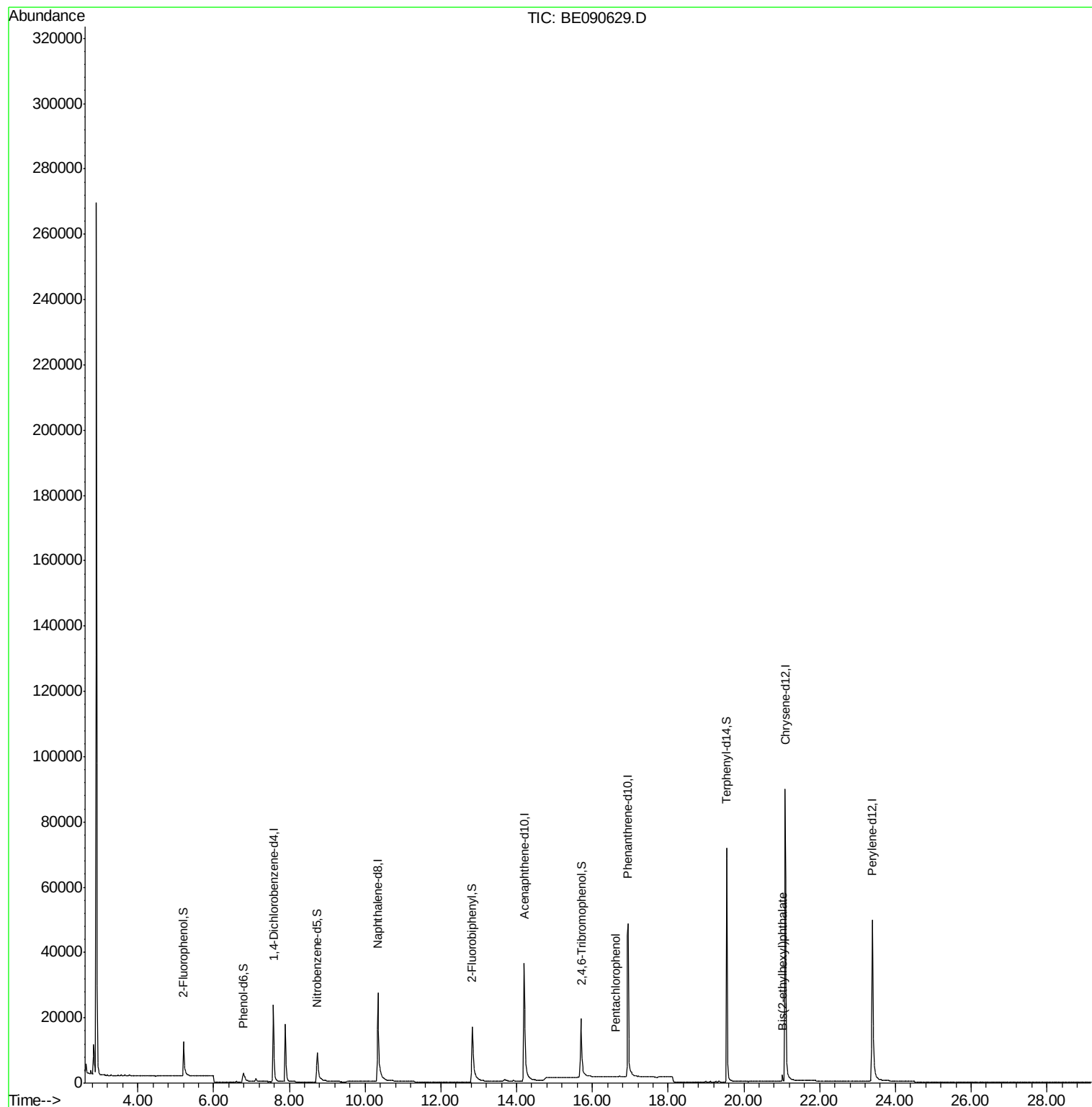
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 14006    | 5.00      | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.34 | 136  | 59519    | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.20 | 164  | 35035    | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 94048    | 5.00      | ng    | 0.00     |
| 25) Chrysene-d12               | 21.09 | 240  | 107203   | 5.00      | ng    | 0.00     |
| 32) Perylene-d12               | 23.39 | 264  | 91843    | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 10936    | 2.70      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.78  | 99   | 7519     | 1.26      | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.74  | 82   | 17009    | 3.59      | ng    | 0.01     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 11836    | 8.78      | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.83 | 172  | 37385    | 3.57      | ng    | 0.01     |
| 27) Terphenyl-d14              | 19.55 | 244  | 81821    | 4.17      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.24  | 88   | 17       | Below Cal | #     | 15       |
| 21) Pentachlorophenol          | 16.61 | 266  | 52       | 0.33 ng   | #     | 71       |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 1746     | 0.24 ng   |       | 99       |

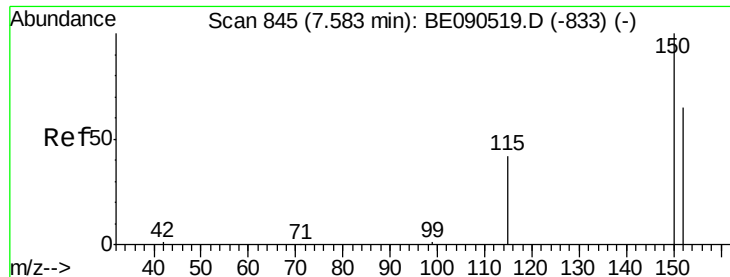
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Aug 26 03:29:19 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



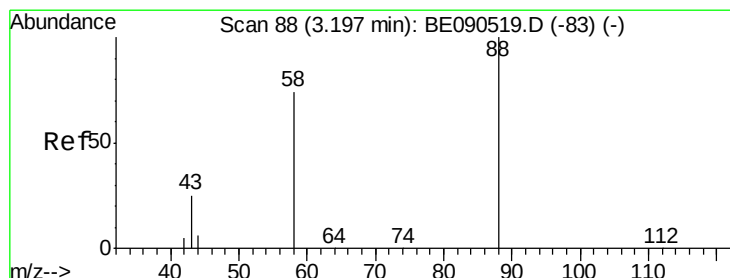
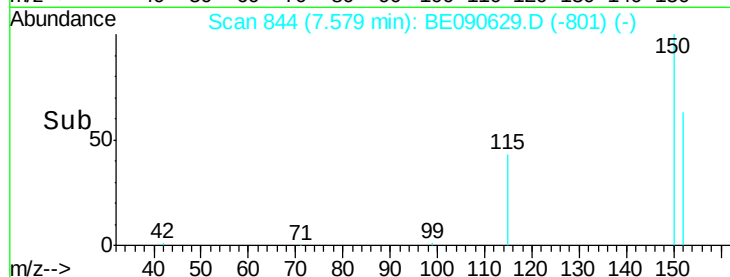
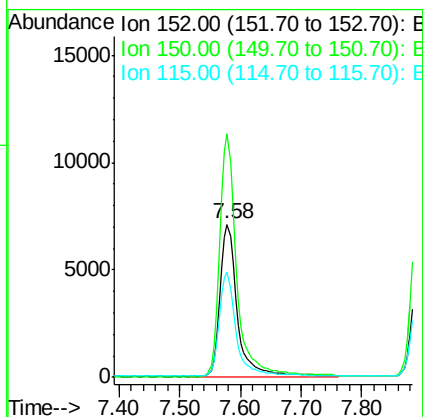
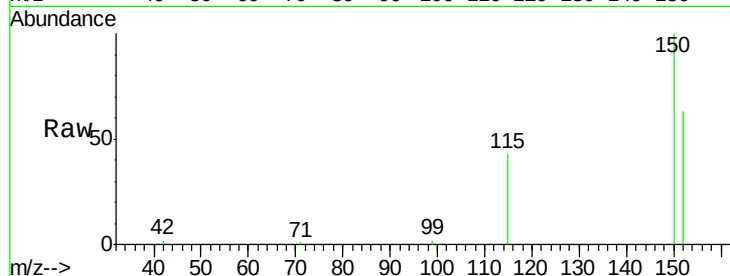


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.58 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BE090629.D  
Acq: 26 Aug 2015 00:35

Instrument :  
BNA\_E  
ClientSampled :

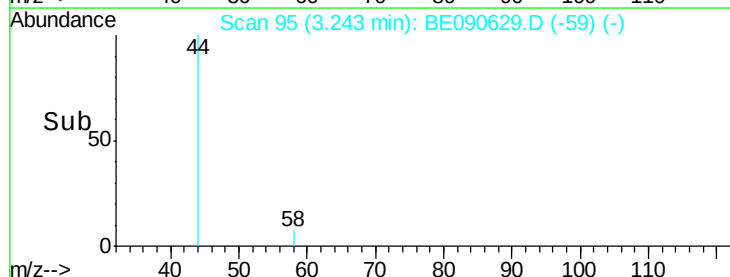
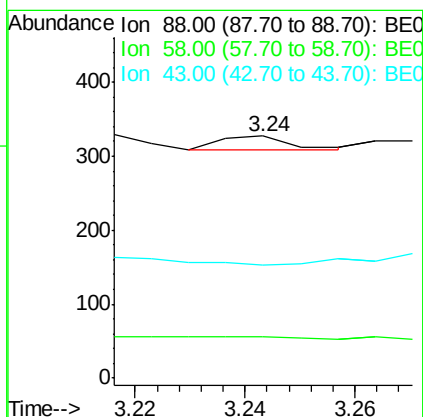
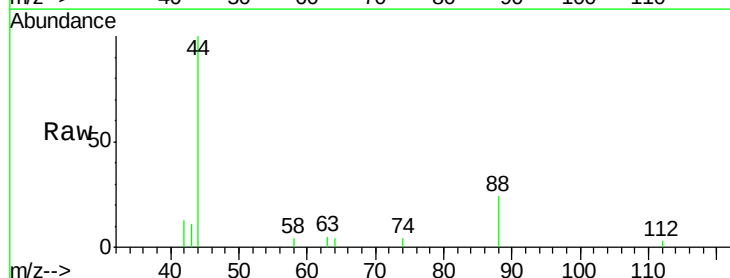
Tot Ion:152 Resp: 14006  
Ion Ratio Lower Upper  
152 100  
150 159.0 123.0 184.4  
115 68.4 48.9 73.3

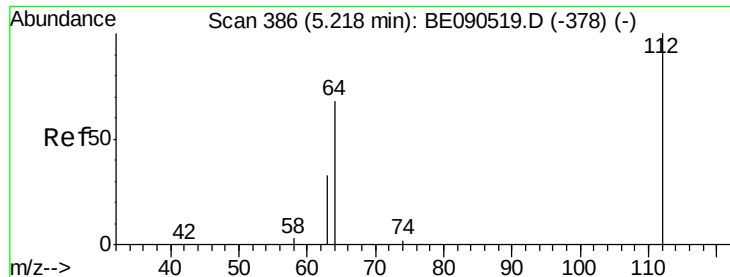


#2

1,4-Dioxane  
Concen: Below Cal  
RT: 3.24 min Scan# 95  
Delta R.T. 0.05 min  
Lab File: BE090629.D  
Acq: 26 Aug 2015 00:35

Tgt Ion: 88 Resp: 17  
Ion Ratio Lower Upper  
88 100  
58 0.0 70.0 105.0#  
43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 2.70 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

Instrument :

BNA\_E

ClientSampleId :

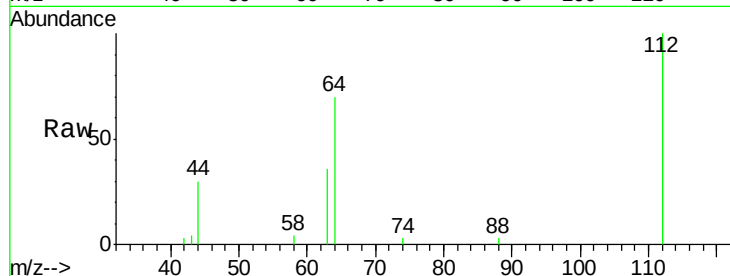
Tot Ion:112 Resp: 10936

Ion Ratio Lower Upper

112 100

64 70.0 37.1 55.7#

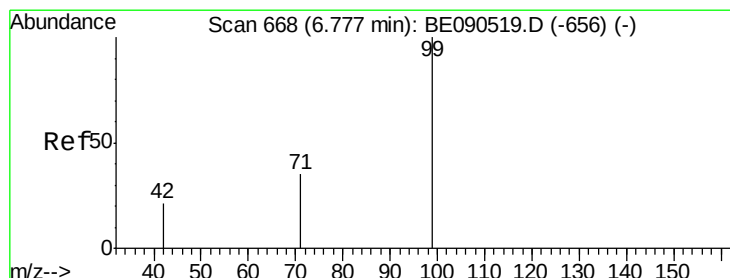
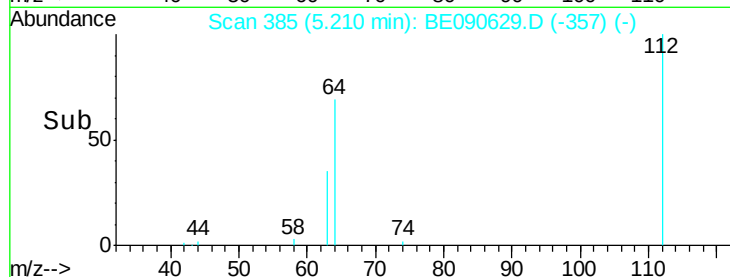
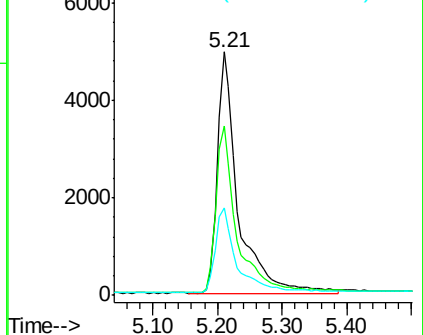
63 36.2 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.26 ng

RT: 6.78 min Scan# 669

Delta R.T. 0.00 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

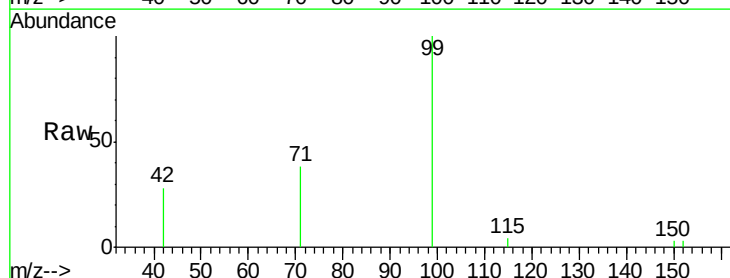
Tgt Ion: 99 Resp: 7519

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.4

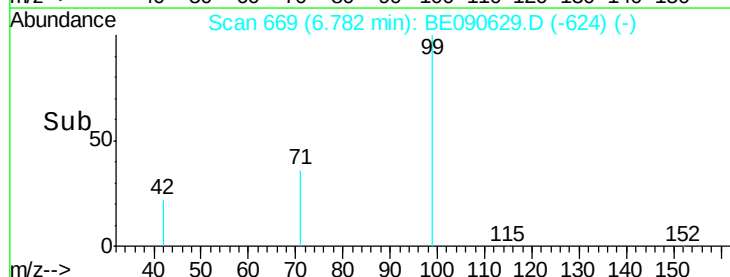
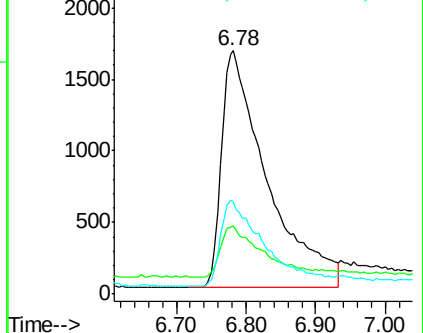
71 35.7 27.4 41.0

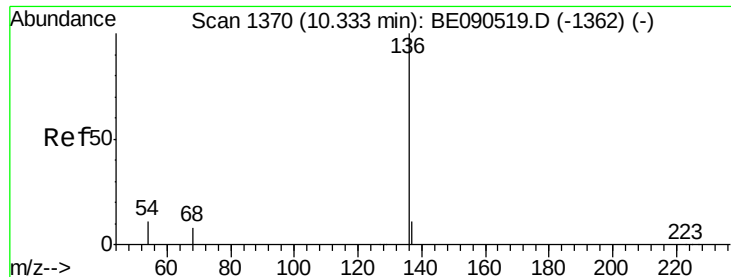


Abundance Ion 99.00 (98.70 to 99.70): BE0

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. 0.01 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 59519

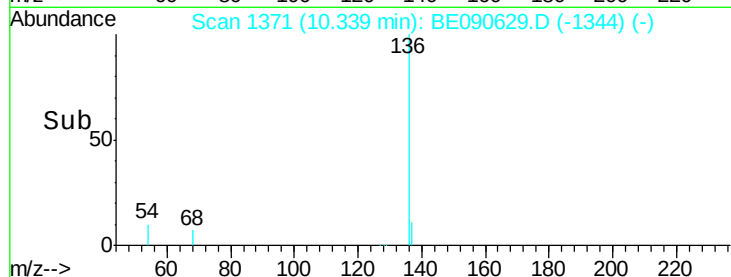
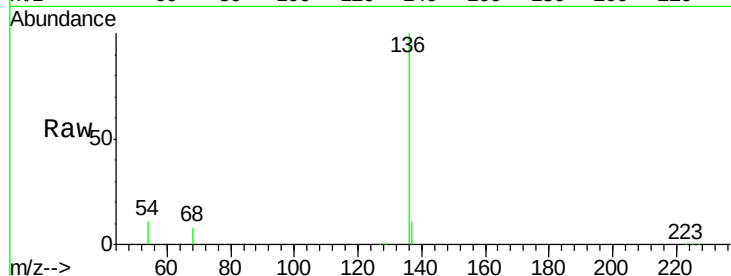
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.6 9.4 14.0

68 7.7 6.5 9.7

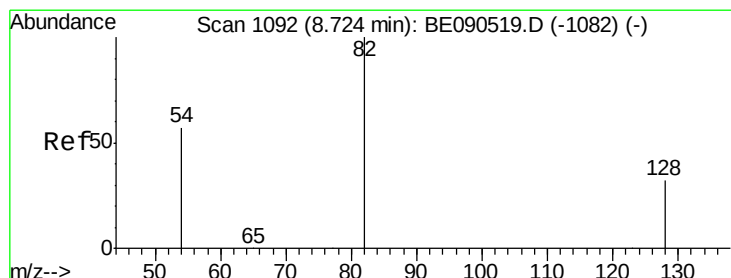
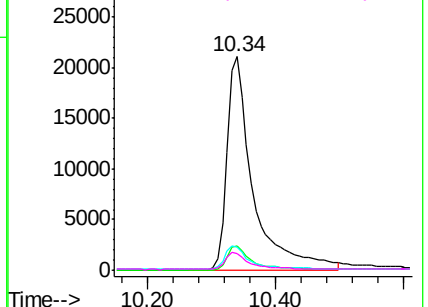


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.59 ng

RT: 8.74 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

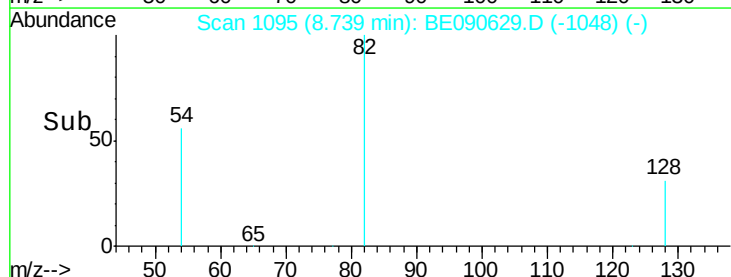
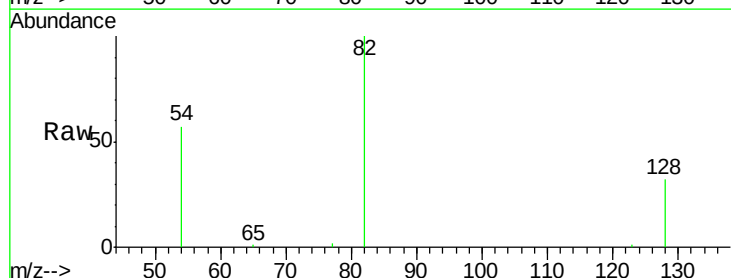
Tgt Ion: 82 Resp: 17009

Ion Ratio Lower Upper

82 100

128 32.0 25.0 37.6

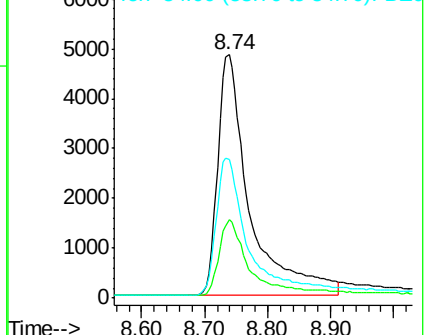
54 56.7 48.8 73.2

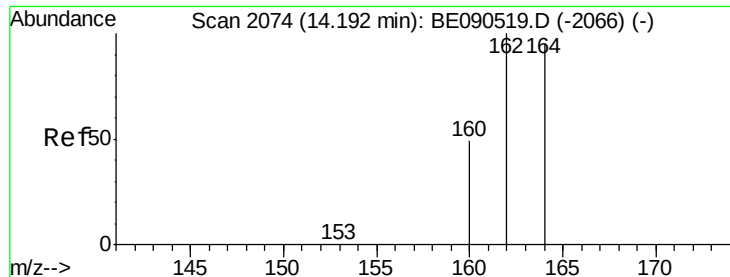


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE090629.D

Acq: 26 Aug 2015 00:35

Instrument :

BNA\_E

ClientSampled :

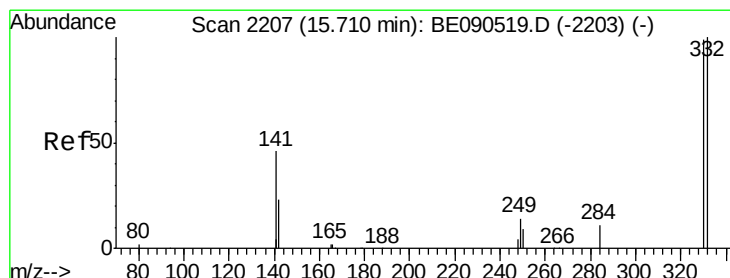
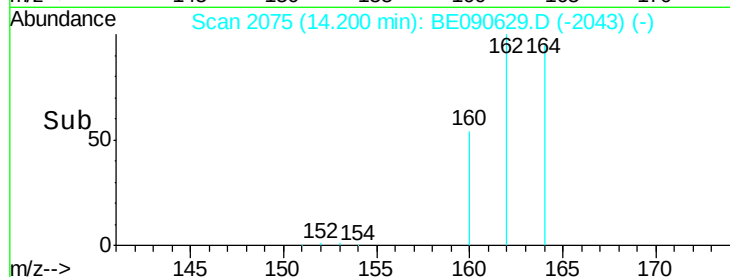
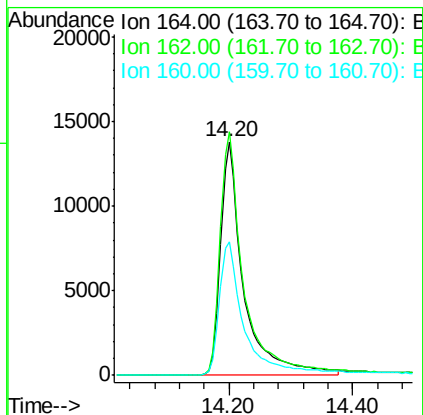
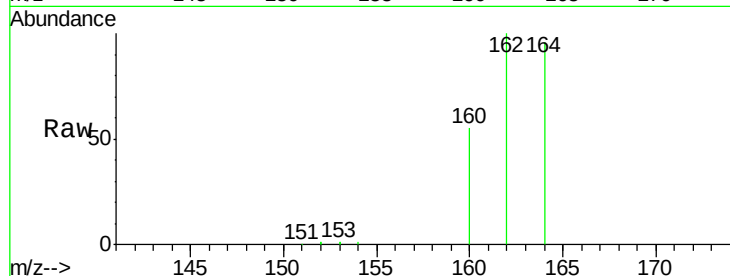
Tot Ion:164 Resp: 35035

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

160 56.9 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 8.78 ng

RT: 15.71 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

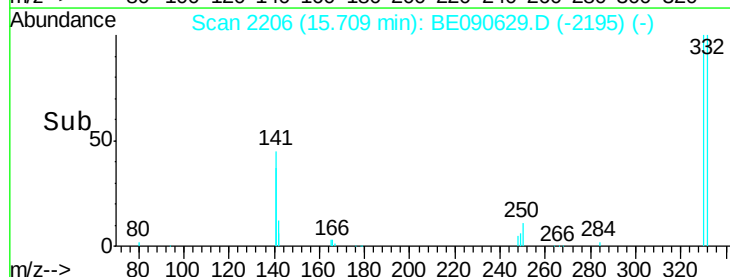
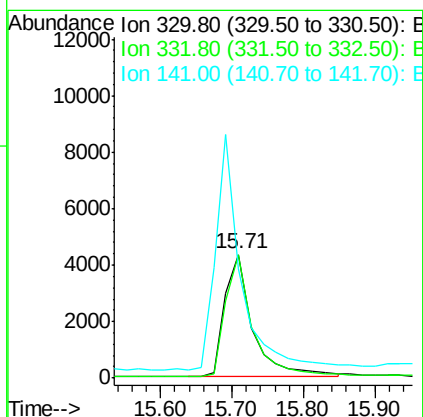
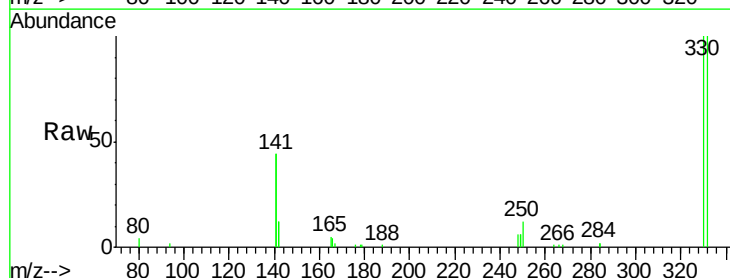
Tgt Ion:330 Resp: 11836

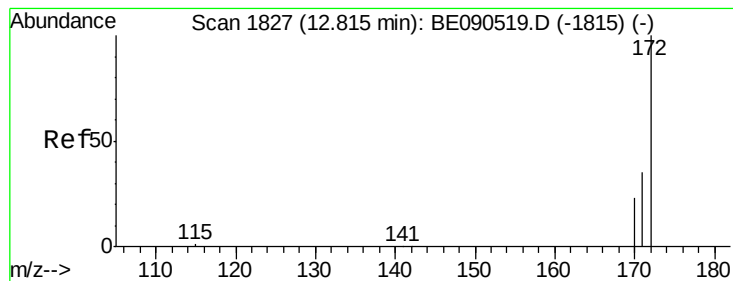
Ion Ratio Lower Upper

330 100

332 97.6 75.8 113.6

141 178.0 114.4 171.6#





#14

2-Fluorobiphenyl

Concen: 3.57 ng

RT: 12.83 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

Instrument :

BNA\_E

ClientSampled :

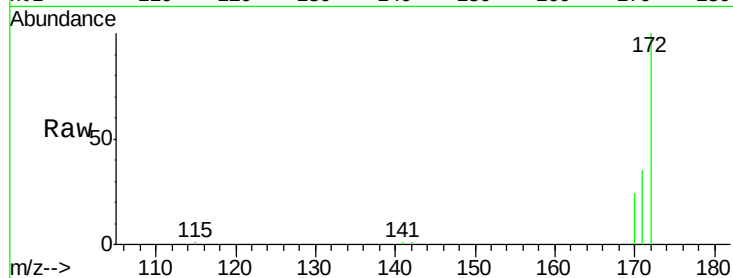
Tot Ion:172 Resp: 37385

Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

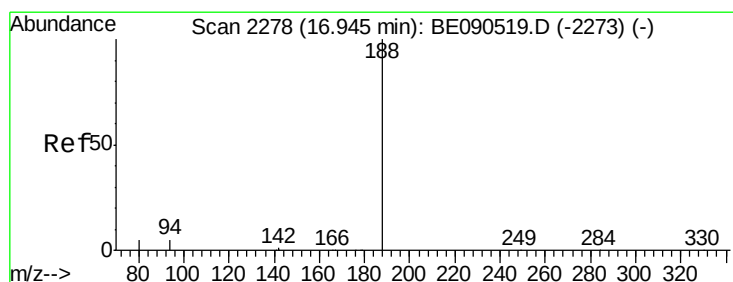
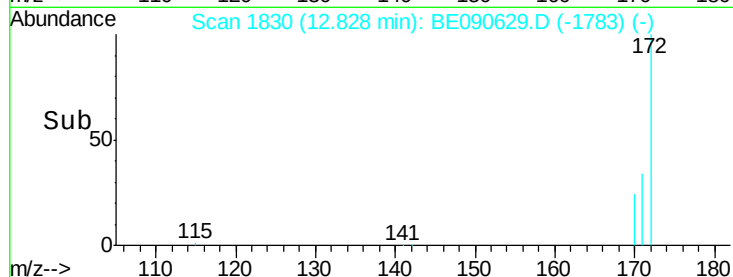
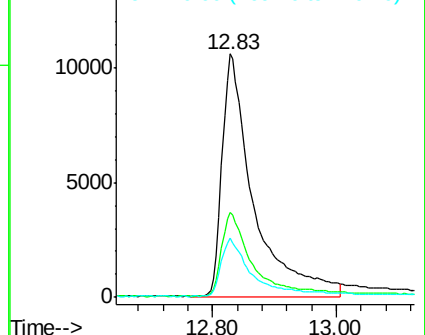
170 24.2 19.8 29.8



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: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

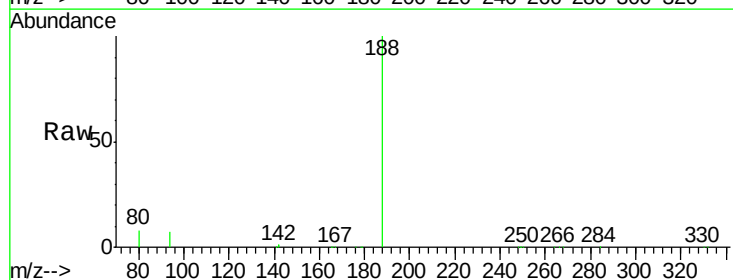
Tgt Ion:188 Resp: 94048

Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

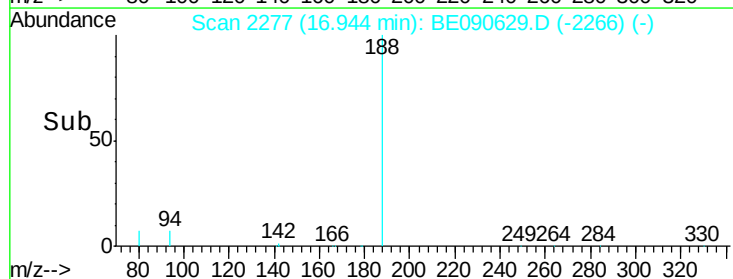
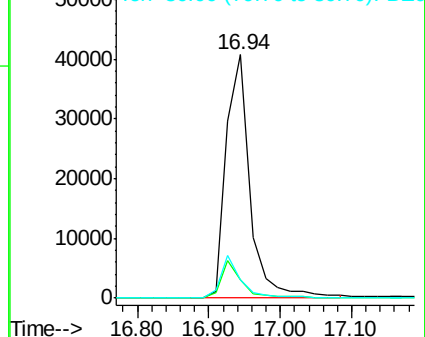
80 7.6 5.8 8.8

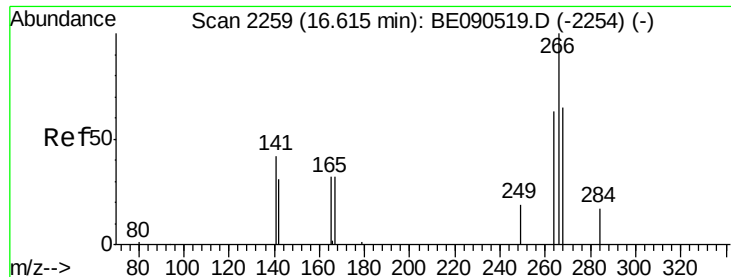


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

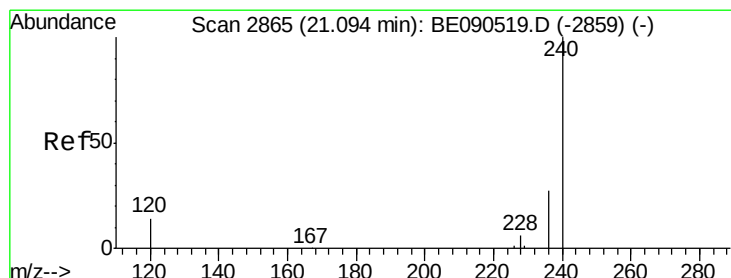
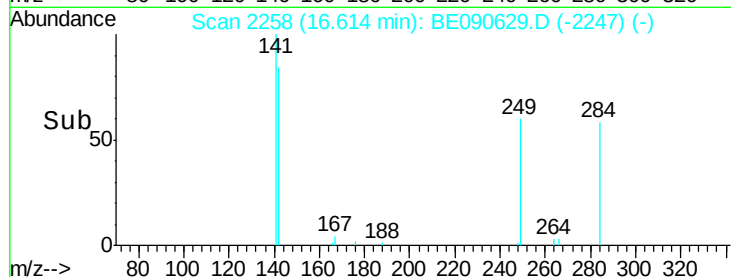
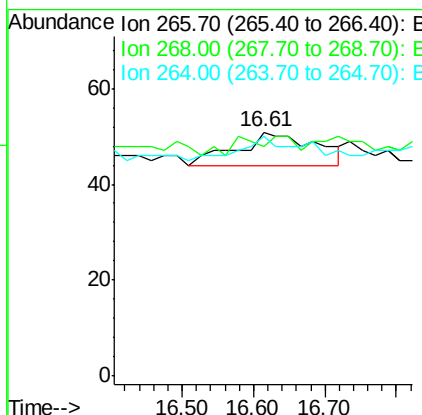
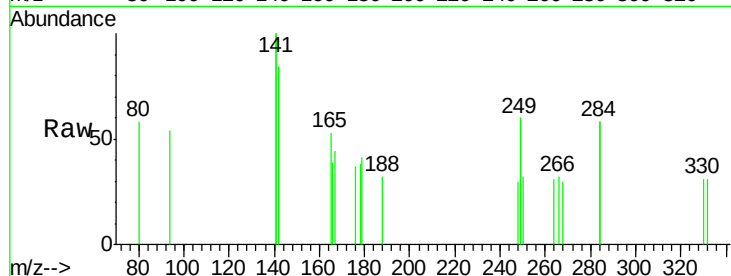




#21  
 Pentachlorophenol  
 Concen: 0.33 ng  
 RT: 16.61 min Scan# 2258  
 Delta R.T. -0.00 min  
 Lab File: BE090629.D  
 Acq: 26 Aug 2015 00:35

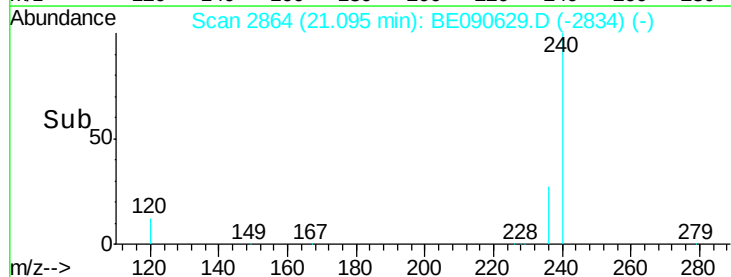
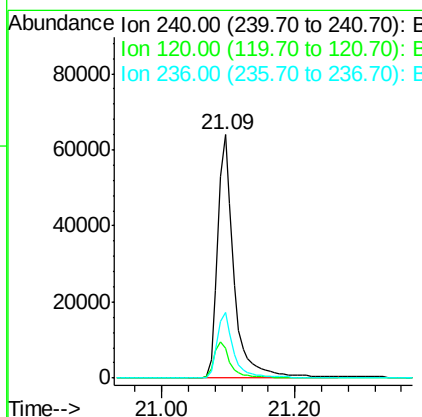
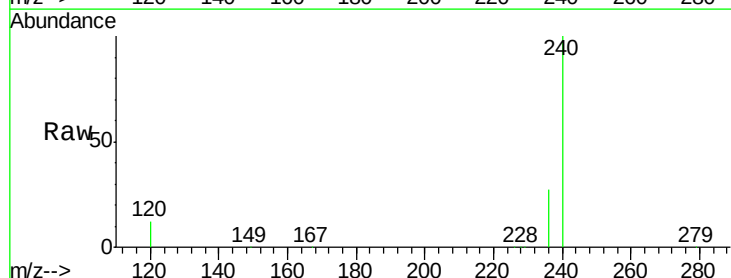
Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:266 Resp: 52  
 Ion Ratio Lower Upper  
 266 100  
 268 94.1 58.5 87.7#  
 264 98.0 56.0 84.0#

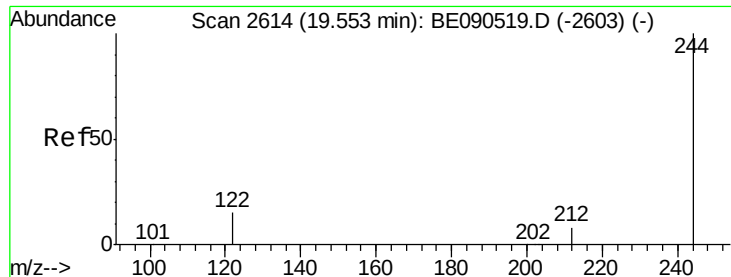


#25  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.09 min Scan# 2864  
 Delta R.T. 0.00 min  
 Lab File: BE090629.D  
 Acq: 26 Aug 2015 00:35

Tgt Ion:240 Resp: 107203  
 Ion Ratio Lower Upper  
 240 100  
 120 12.2 8.3 12.5  
 236 27.1 21.0 31.4







#27

Terphenyl-d14

Concen: 4.17 ng

RT: 19.55 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

Instrument :

BNA\_E

ClientSampled :

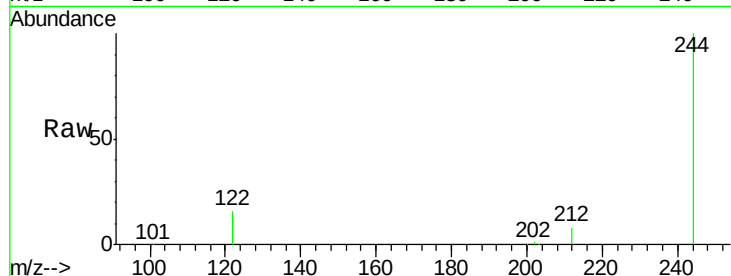
Tot Ion:244 Resp: 81821

Ion Ratio Lower Upper

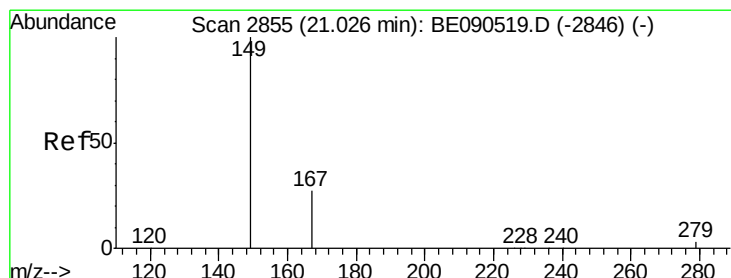
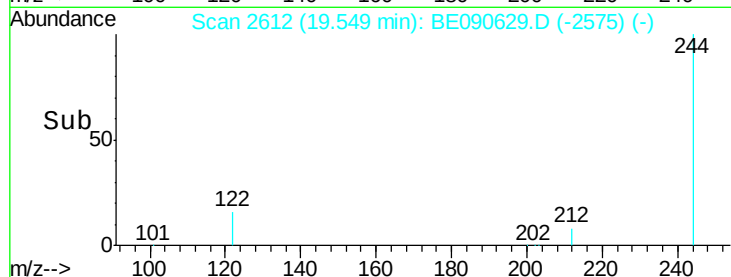
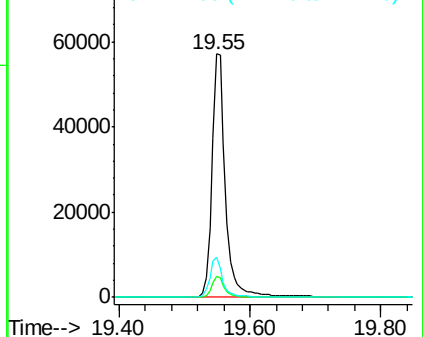
244 100

212 8.3 6.6 9.8

122 16.4 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: 0.24 ng

RT: 21.02 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090629.D

Acq: 26 Aug 2015 00:35

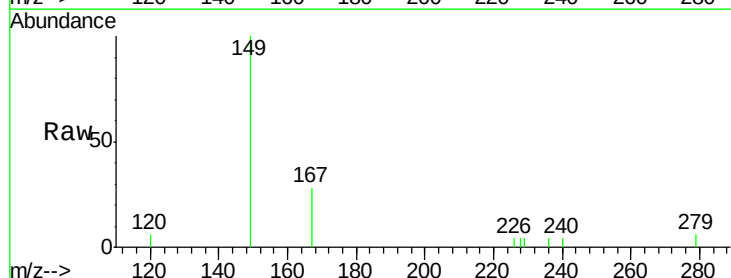
Tgt Ion:149 Resp: 1746

Ion Ratio Lower Upper

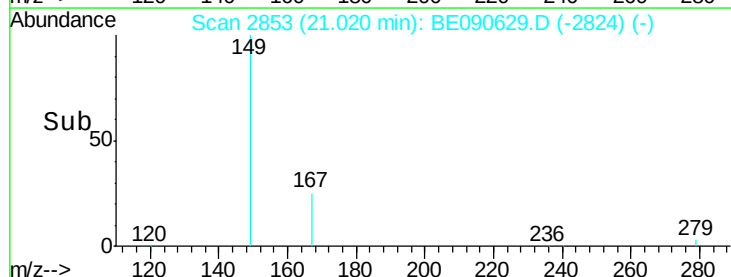
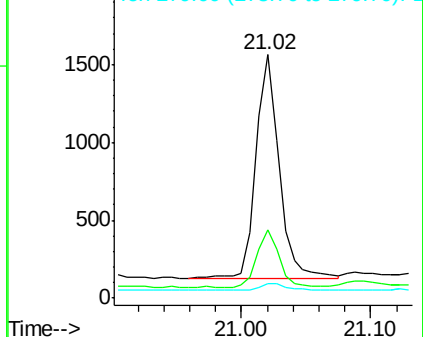
149 100

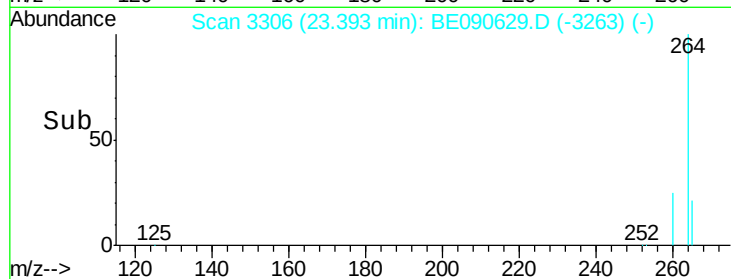
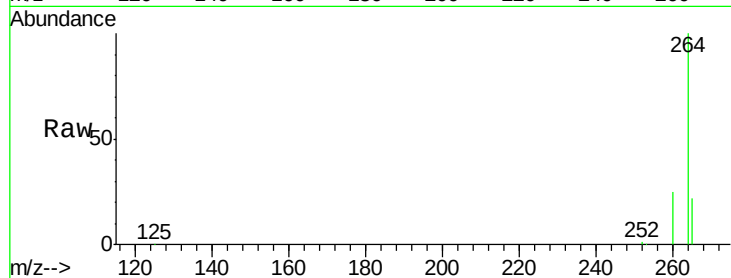
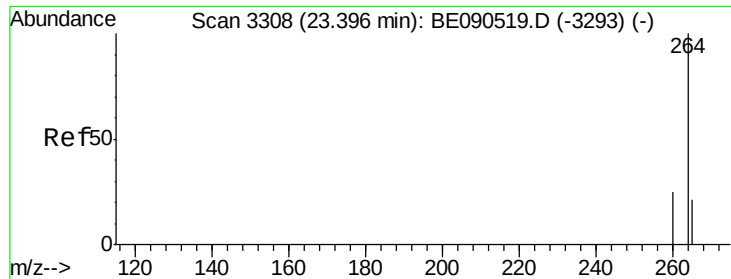
167 25.1 19.8 29.8

279 3.4 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  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.39 min Scan# 3306  
Delta R.T. -0.00 min  
Lab File: BE090629.D  
Acq: 26 Aug 2015 00:35

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:264 Resp: 91843  
Ion Ratio Lower Upper  
264 100  
260 25.3 20.1 30.1  
265 21.9 17.2 25.8

