

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE082015\  
 Data File : BE090578.D  
 Acq On : 20 Aug 2015 16:48  
 Operator : UM/IZ  
 Sample : G3364-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 081915-D534-E-U-S

Quant Time: Aug 21 01:31:51 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

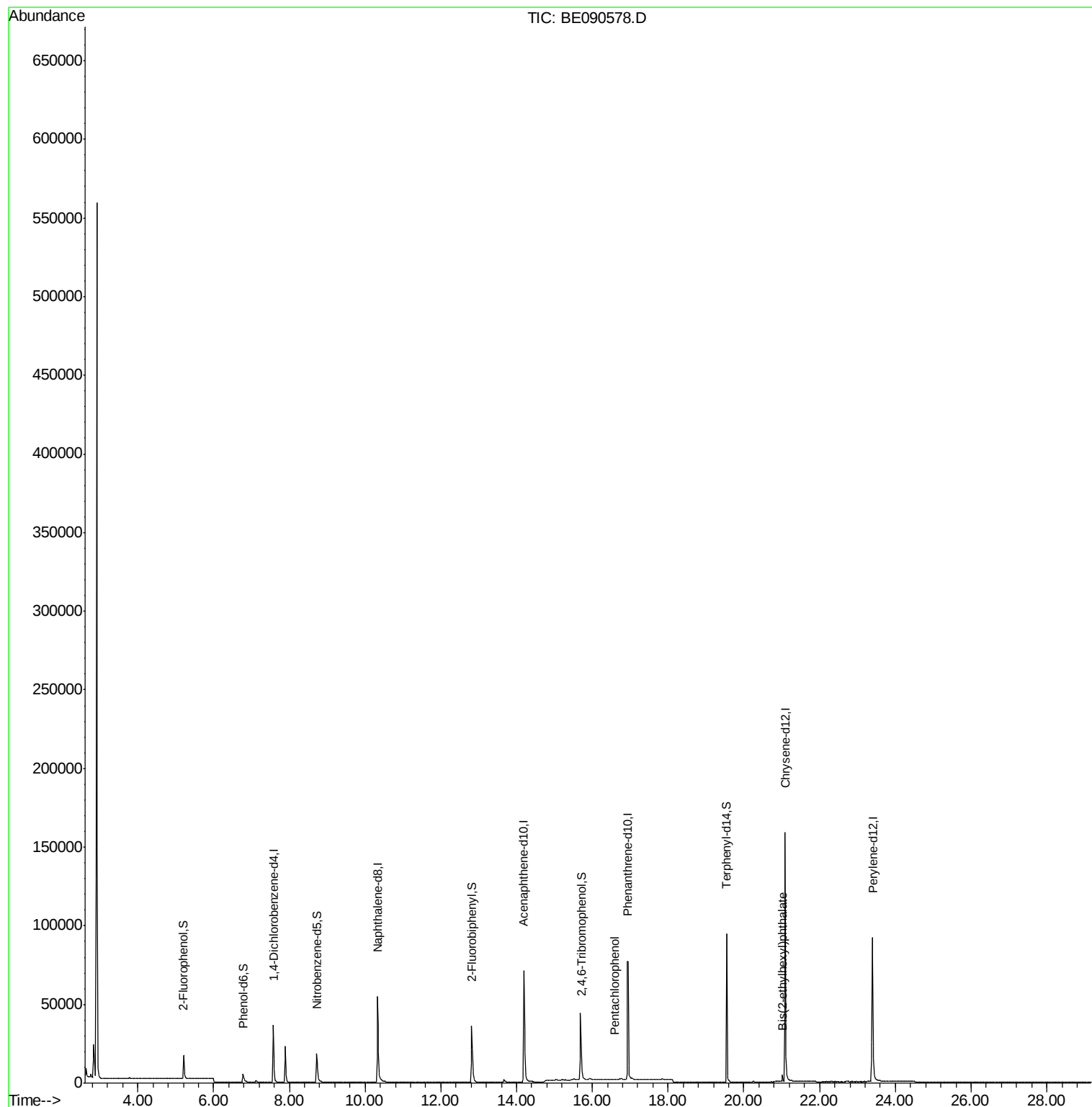
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 19565    | 5.00      | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.33 | 136  | 91291    | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.20 | 164  | 55017    | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 136220   | 5.00      | ng    | 0.00     |
| 25) Chrysene-d12               | 21.09 | 240  | 154378   | 5.00      | ng    | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 139292   | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.22  | 112  | 13636    | 2.41      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.78  | 99   | 10853    | 1.31      | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.72  | 82   | 23881    | 3.28      | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 21368    | 10.09     | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.82 | 172  | 52903    | 3.22      | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.55 | 244  | 105717   | 3.74      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.20  | 88   | 79       | Below Cal | #     | 15       |
| 21) Pentachlorophenol          | 16.60 | 266  | 21       | 0.31 ng   | #     | 70       |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 3961     | 0.30 ng   |       | 97       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE090578.D

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Instrument :

BNA\_E

ClientSampleId :

081915-D534-E-U-S

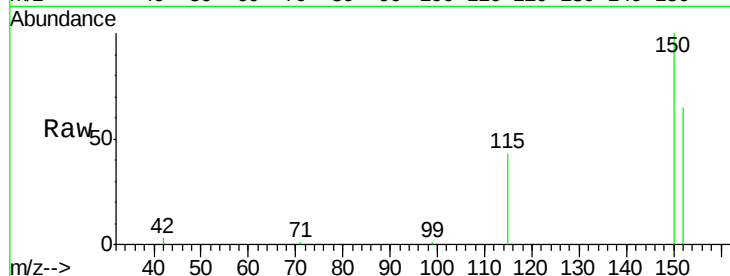
Tgt Ion: 152 Resp: 19565

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

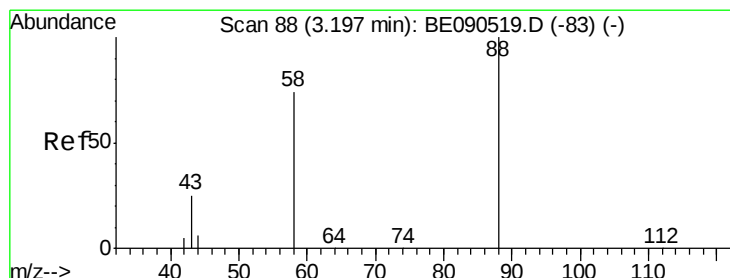
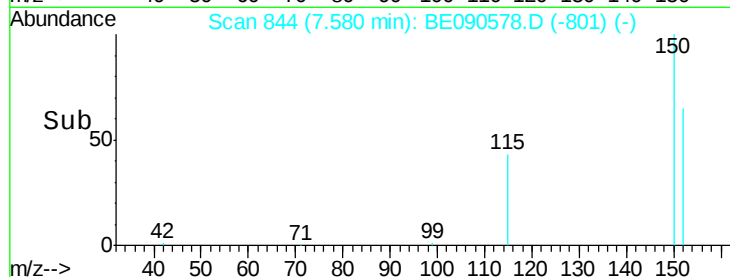
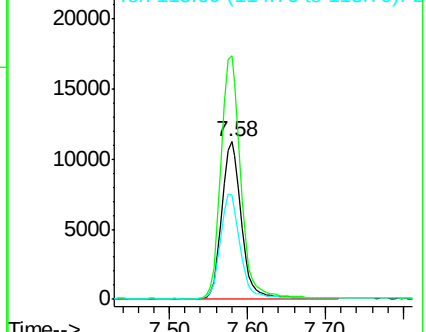
115 66.4 48.9 73.3



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.20 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

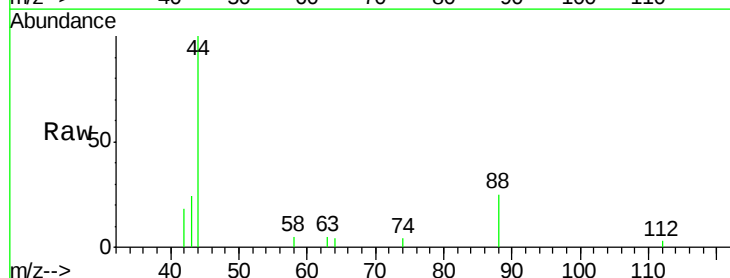
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

58 32.9 70.0 105.0#

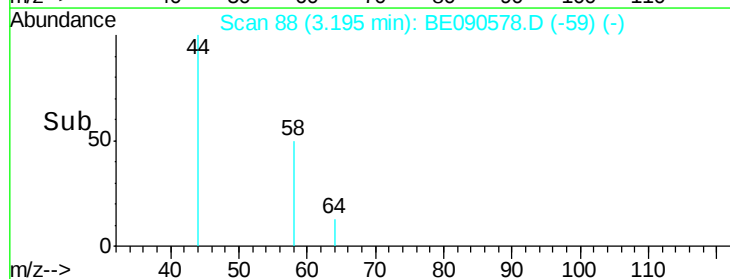
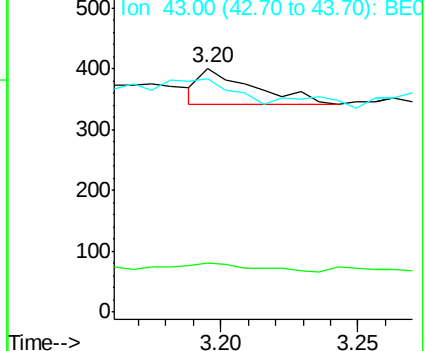
43 122.8 28.4 42.6#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.41 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

Instrument :

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ClientSampleId :

081915-D534-E-U-S

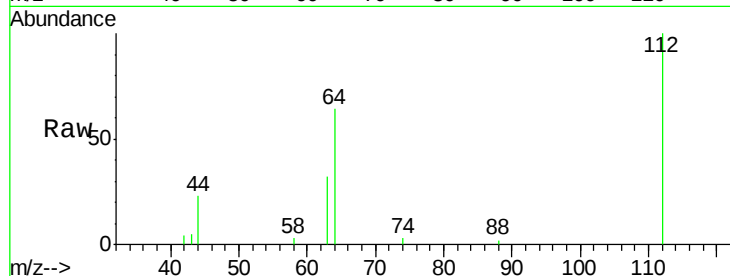
Tgt Ion: 112 Resp: 13636

Ion Ratio Lower Upper

112 100

64 69.4 37.1 55.7#

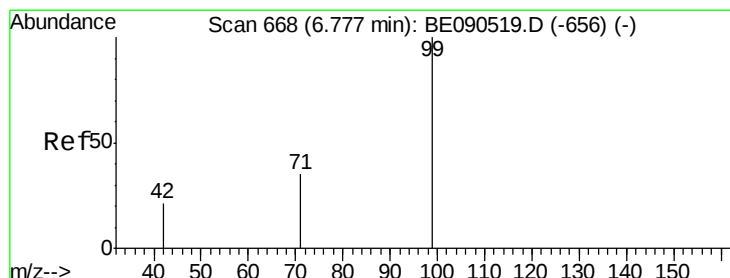
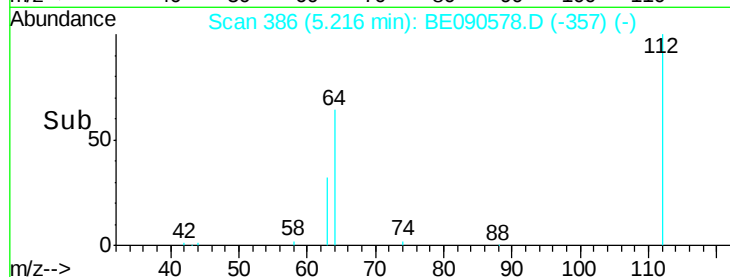
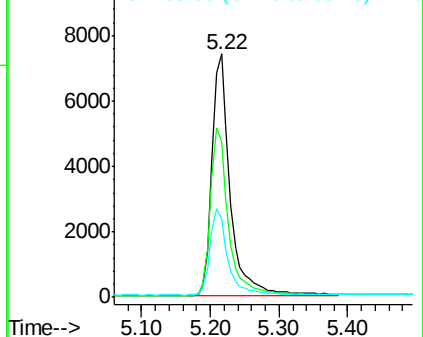
63 35.4 19.5 29.3#



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: 1.31 ng

RT: 6.78 min Scan# 668

Delta R.T. 0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

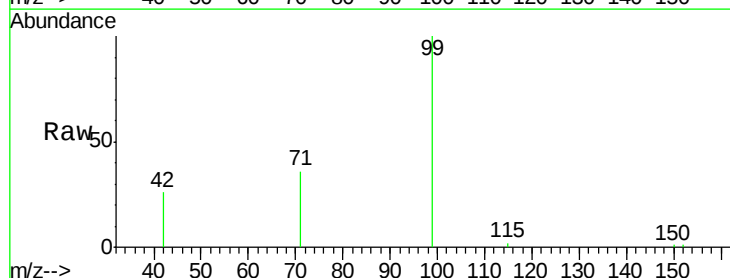
Tgt Ion: 99 Resp: 10853

Ion Ratio Lower Upper

99 100

42 18.8 18.2 27.4

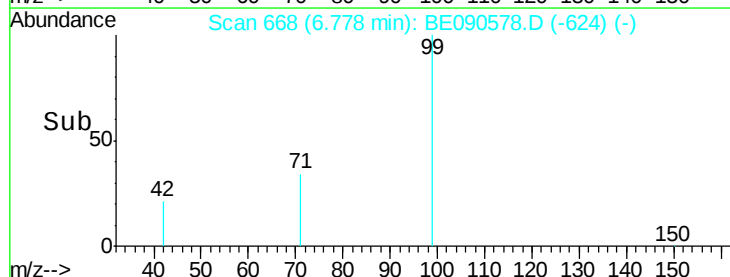
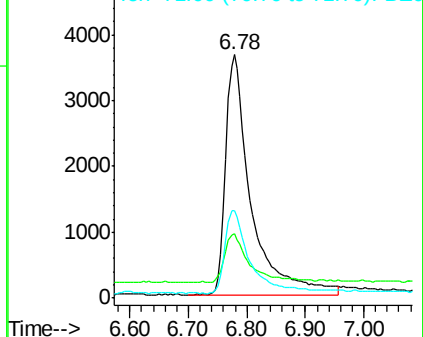
71 33.7 27.4 41.0

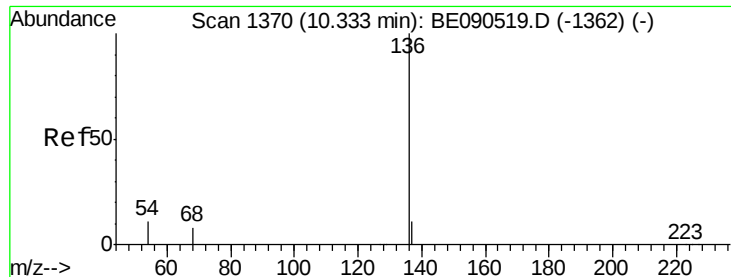


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

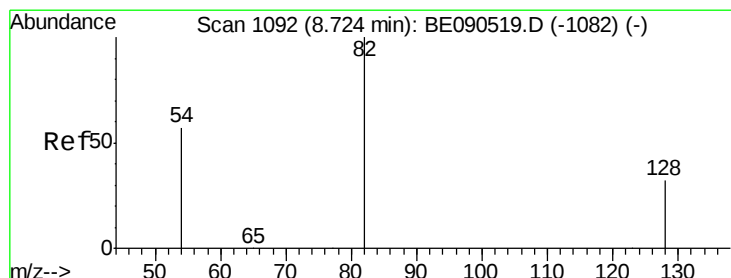
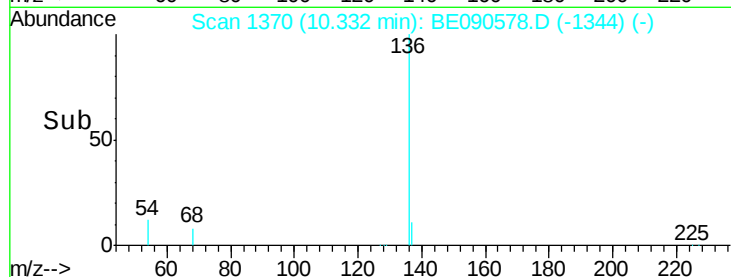
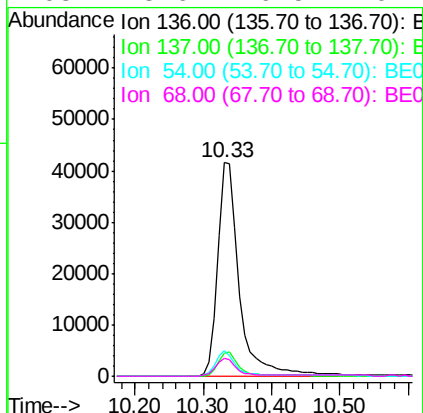
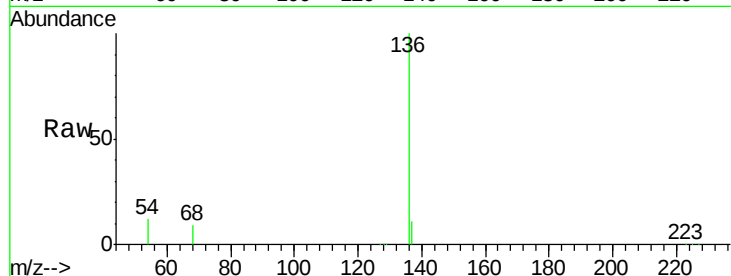




#6  
Naphthalene-d8  
Concen: 5.00 ng  
RT: 10.33 min Scan# 1370  
Delta R.T. -0.00 min  
Lab File: BE090578.D  
Acq: 20 Aug 2015 16:48

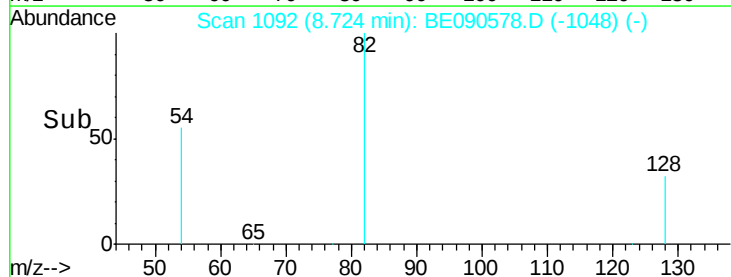
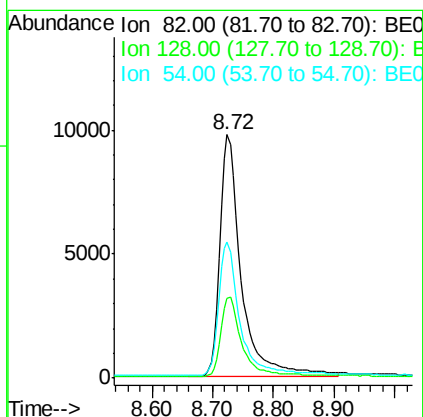
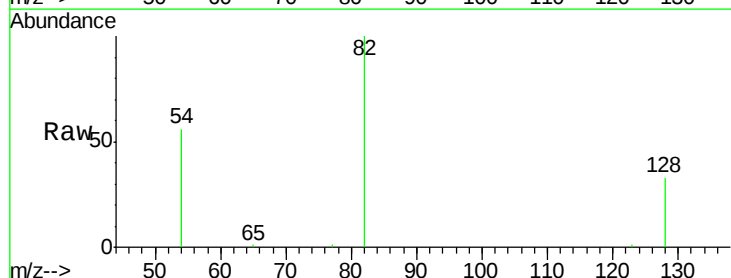
Instrument :  
BNA\_E  
ClientSampleId :  
081915-D534-E-U-S

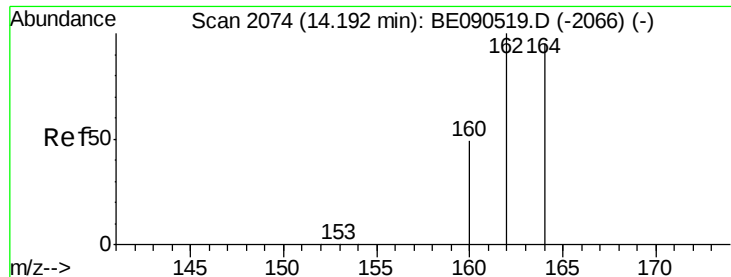
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 91291 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.9  | 8.7   | 13.1  |
| 54       | 11.8  | 9.4   | 14.0  |
| 68       | 8.6   | 6.5   | 9.7   |



#7  
Nitrobenzene-d5  
Concen: 3.28 ng  
RT: 8.72 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: BE090578.D  
Acq: 20 Aug 2015 16:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 23881 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 32.8  | 25.0  | 37.6  |
| 54       | 55.8  | 48.8  | 73.2  |





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

Instrument :

BNA\_E

ClientSampleId :

081915-D534-E-U-S

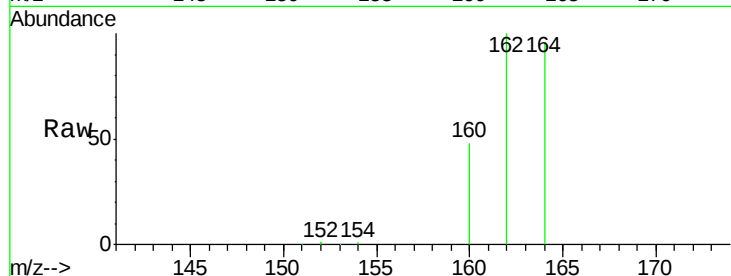
Tgt Ion:164 Resp: 55017

Ion Ratio Lower Upper

164 100

162 103.7 81.8 122.8

160 50.0 44.2 66.4

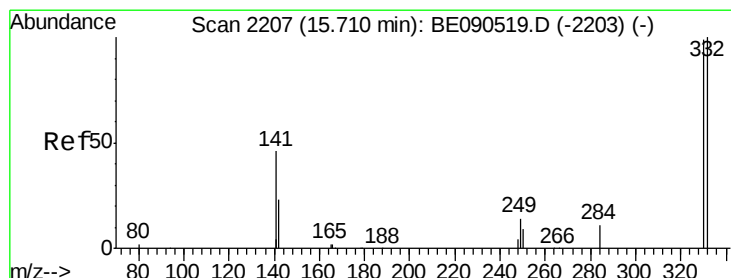
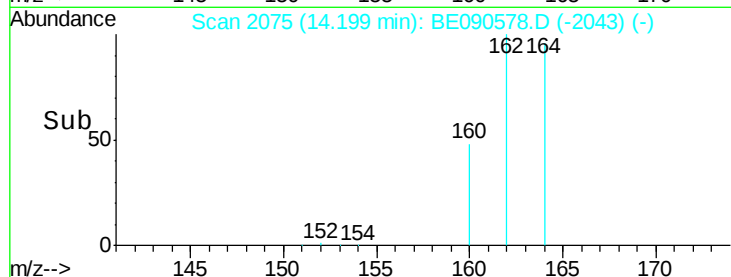
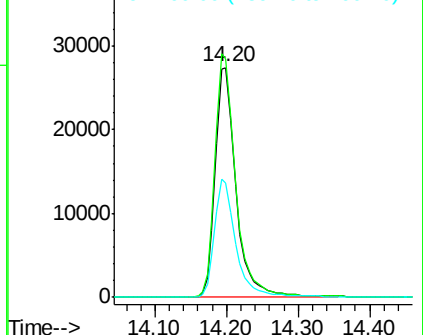


Abundance

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



#13

2,4,6-Tribromophenol

Concen: 10.09 ng

RT: 15.71 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

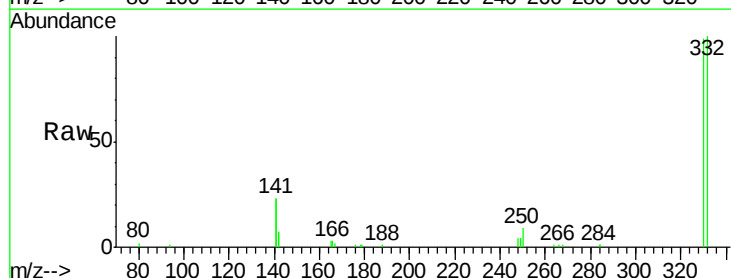
Tgt Ion:330 Resp: 21368

Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.6

141 165.1 114.4 171.6

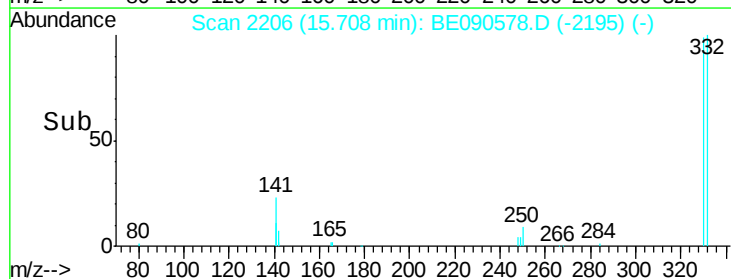
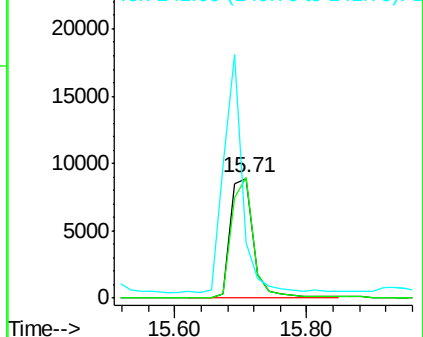


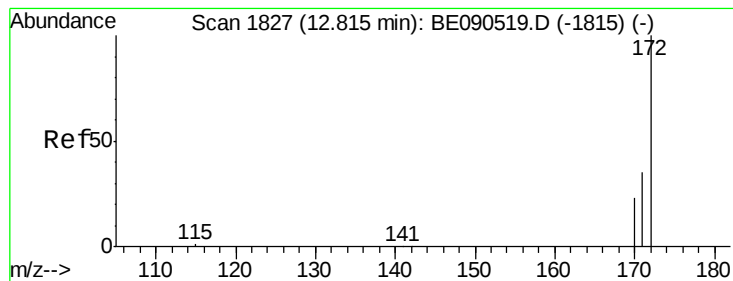
Abundance

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





#14

2-Fluorobiphenyl

Concen: 3.22 ng

RT: 12.82 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

Instrument :

BNA\_E

ClientSampleId :

081915-D534-E-U-S

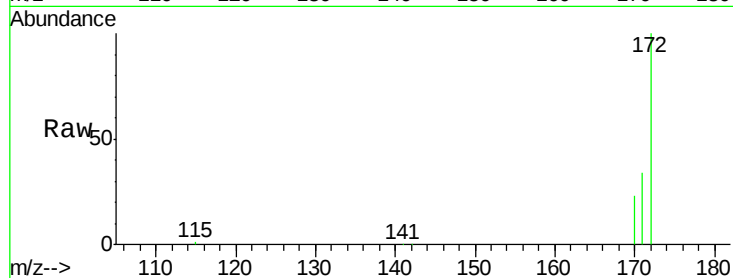
Tgt Ion:172 Resp: 52903

Ion Ratio Lower Upper

172 100

171 34.4 28.5 42.7

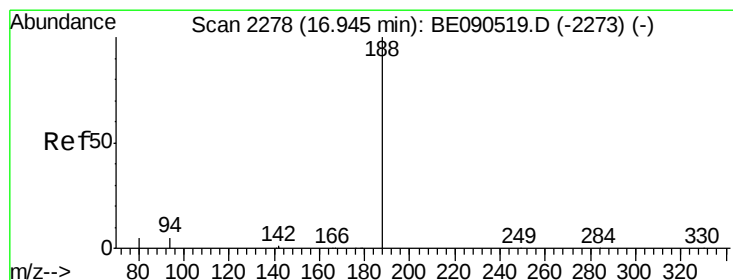
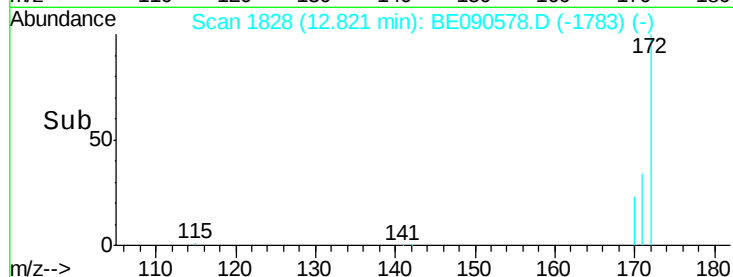
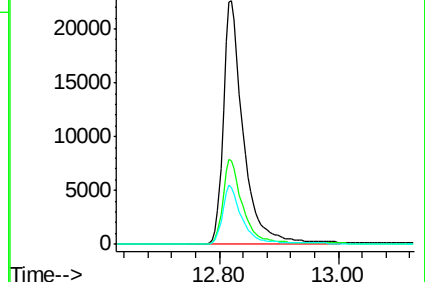
170 23.4 19.8 29.8



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: BE090578.D

Acq: 20 Aug 2015 16:48

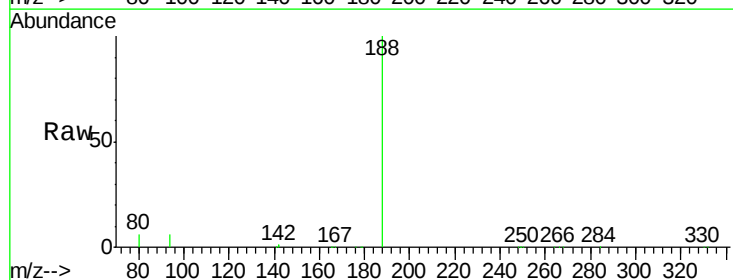
Tgt Ion:188 Resp: 136220

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

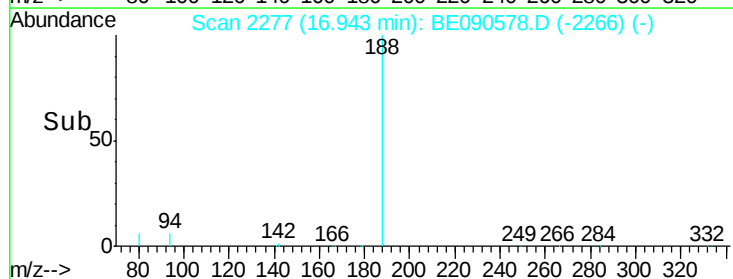
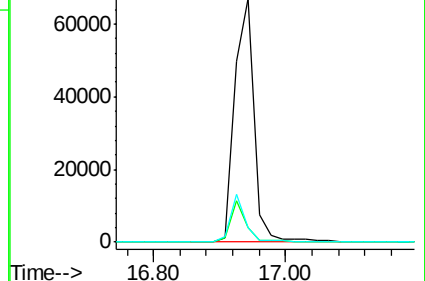
80 6.0 5.8 8.8

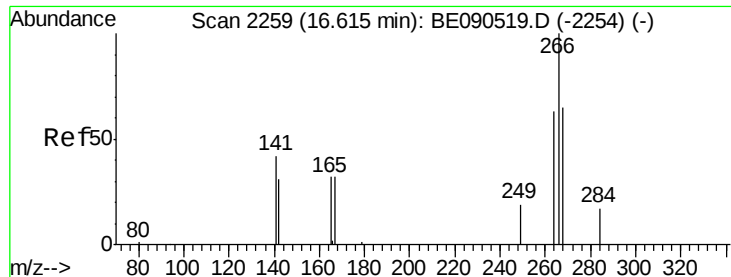


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Pentachlorophenol

Concen: 0.31 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

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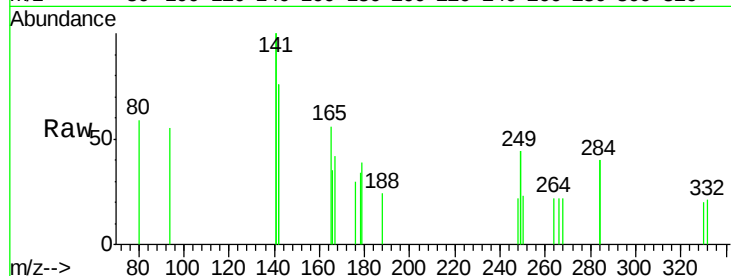
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

268 96.2 58.5 87.7#

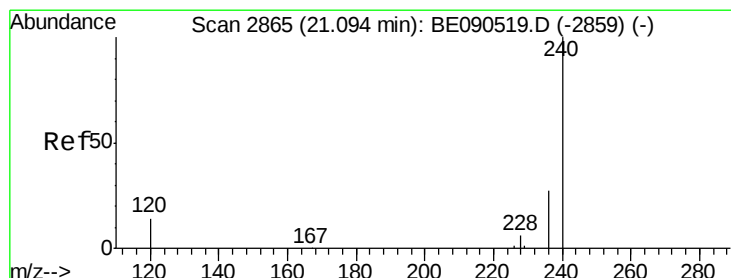
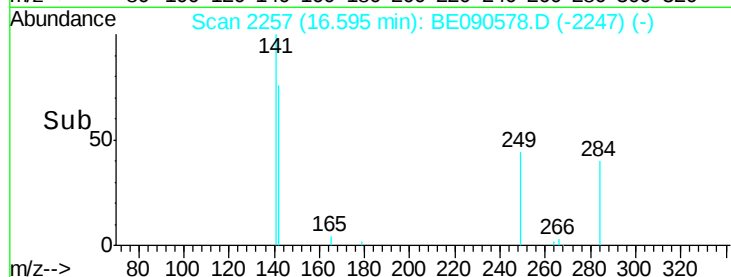
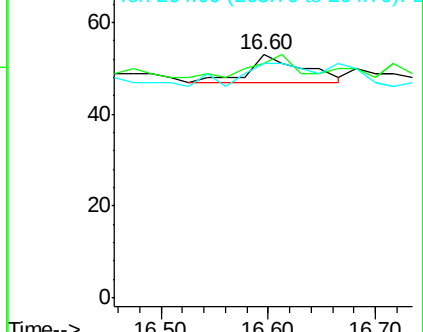
264 96.2 56.0 84.0#



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# 2864

Delta R.T. 0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

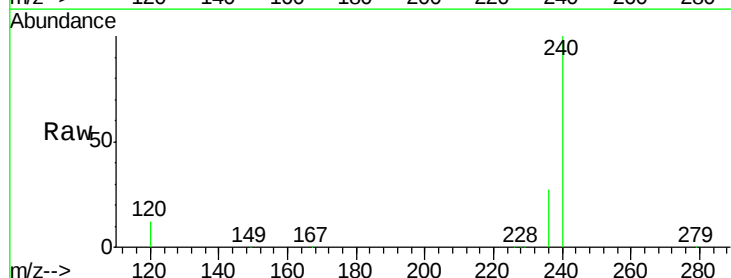
Tgt Ion:240 Resp: 154378

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

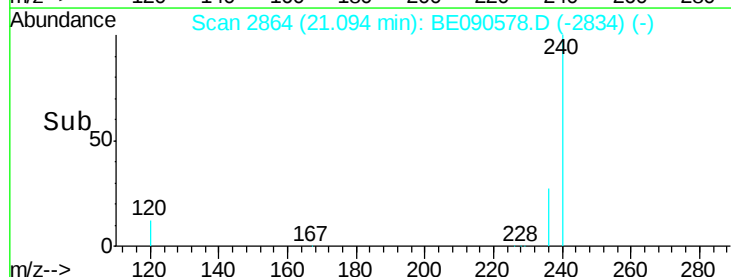
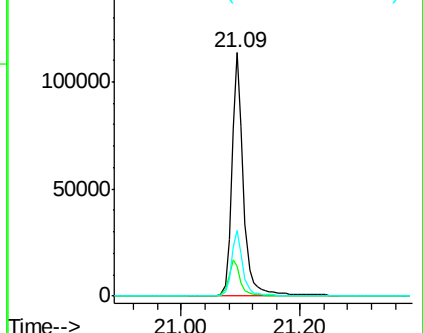
236 26.8 21.0 31.4

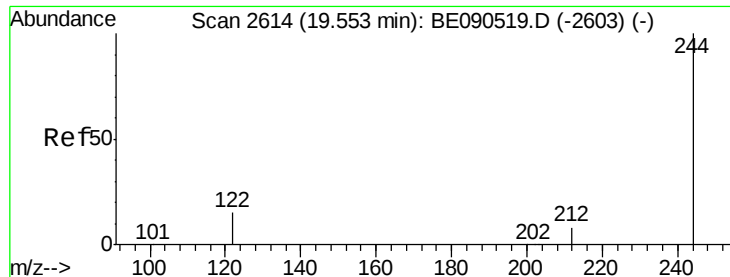


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 3.74 ng

RT: 19.55 min Scan# 2613

Delta R.T. 0.00 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

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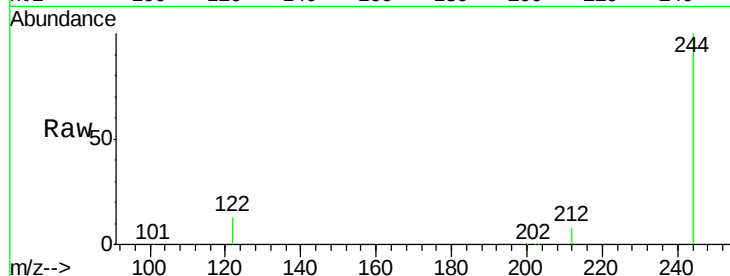
Tgt Ion:244 Resp: 105717

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

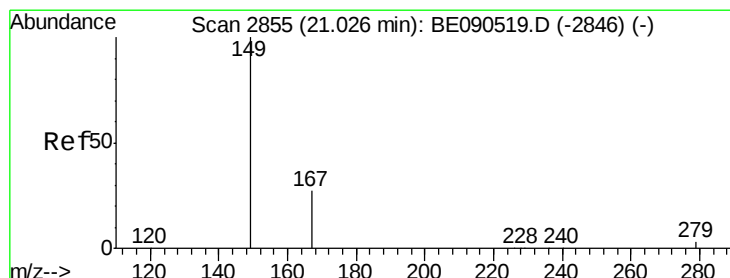
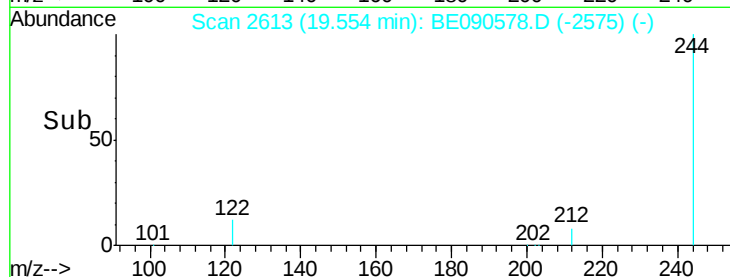
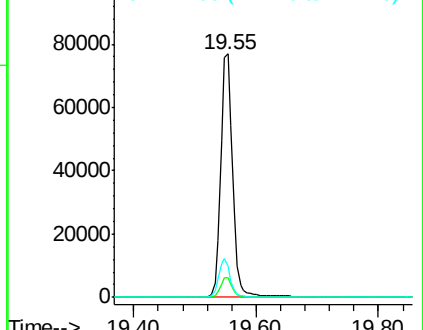
122 12.6 10.2 15.4



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: 0.30 ng

RT: 21.02 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BE090578.D

Acq: 20 Aug 2015 16:48

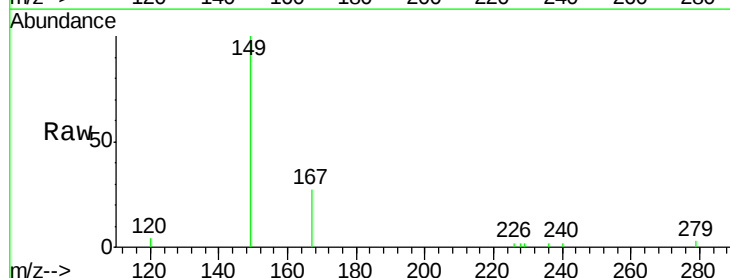
Tgt Ion:149 Resp: 3961

Ion Ratio Lower Upper

149 100

167 26.3 19.8 29.8

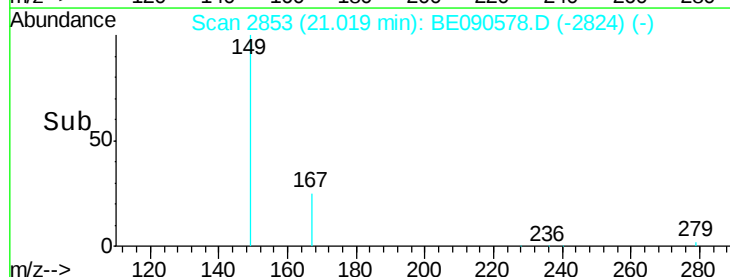
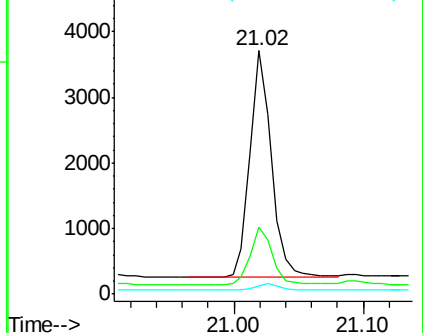
279 2.9 2.4 3.6

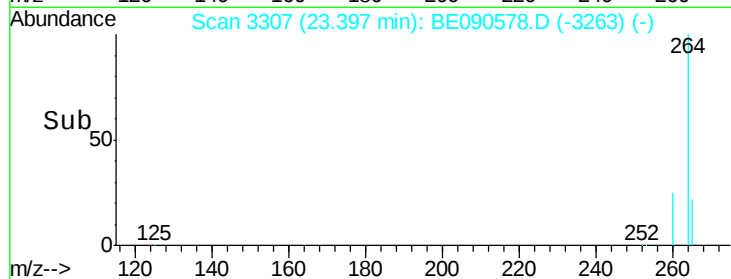
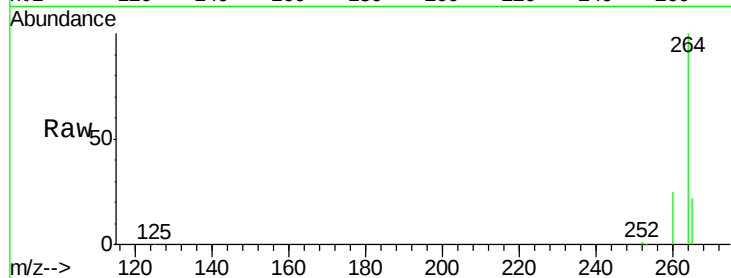
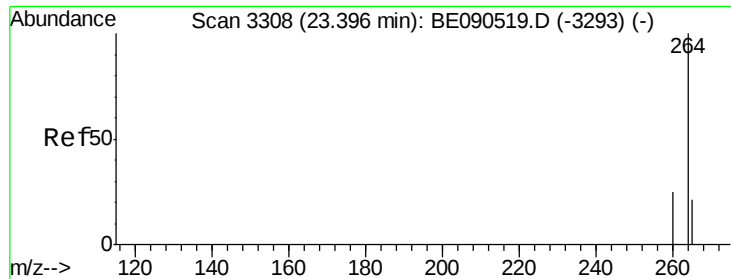


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE090578.D

Acq: 20 Aug 2015 16:48

Instrument :

BNA\_E

ClientSampleId :

081915-D534-E-U-S

Tgt Ion: 264 Resp: 139292

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 22.2 17.2 25.8

