

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081115\  
 Data File : BE090453.D  
 Acq On : 12 Aug 2015 6:23  
 Operator : UM/IZ  
 Sample : G3236-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 080715-D534-F-U-M

Quant Time: Aug 12 08:33:23 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

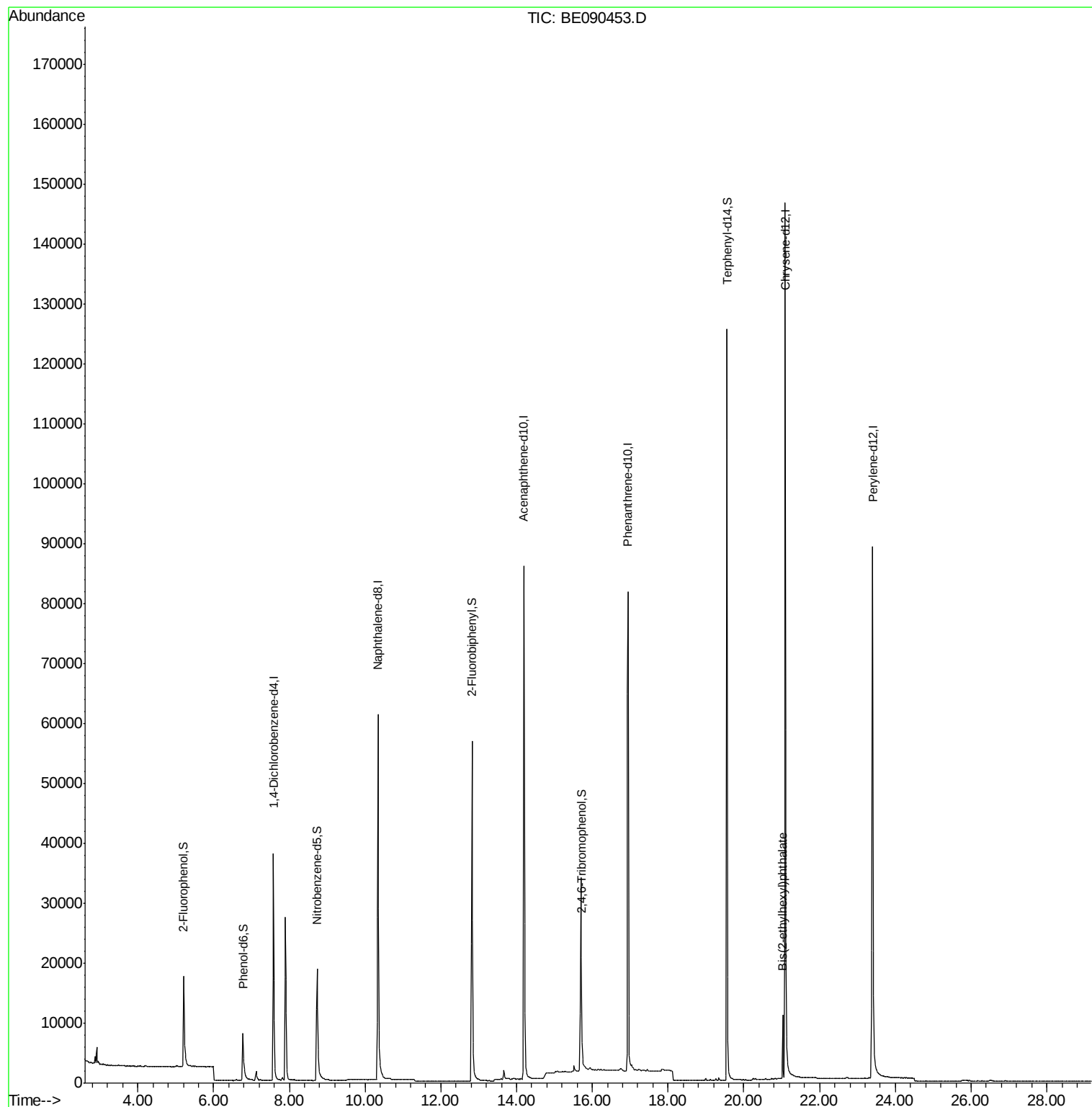
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)     |
|--------------------------------|-------|------|----------|------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 20637    | 5.00 | ng    | 0.00         |
| 6) Naphthalene-d8              | 10.34 | 136  | 96064    | 5.00 | ng    | 0.00         |
| 12) Acenaphthene-d10           | 14.19 | 164  | 55387    | 5.00 | ng    | 0.00         |
| 18) Phenanthrene-d10           | 16.94 | 188  | 132470   | 5.00 | ng    | 0.00         |
| 25) Chrysene-d12               | 21.09 | 240  | 151930   | 5.00 | ng    | 0.00         |
| 32) Perylene-d12               | 23.40 | 264  | 134155   | 5.00 | ng    | 0.00         |
| System Monitoring Compounds    |       |      |          |      |       |              |
| 4) 2-Fluorophenol              | 5.22  | 112  | 14797    | 4.78 | ng    | 0.00         |
| 5) Phenol-d6                   | 6.77  | 99   | 14025    | 2.27 | ng    | 0.00         |
| 7) Nitrobenzene-d5             | 8.73  | 82   | 27031    | 3.52 | ng    | 0.00         |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 17092    | 9.34 | ng    | 0.00         |
| 14) 2-Fluorobiphenyl           | 12.82 | 172  | 65734    | 4.31 | ng    | 0.00         |
| 27) Terphenyl-d14              | 19.55 | 244  | 130073   | 5.81 | ng    | -0.01        |
| Target Compounds               |       |      |          |      |       |              |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 9298     | 1.16 | ng    | Qvalue<br>98 |

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

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080715-D534-F-U-M

Quant Time: Aug 12 08:33:23 2015  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

Instrument :

BNA\_E

ClientSampleId :

080715-D534-F-U-M

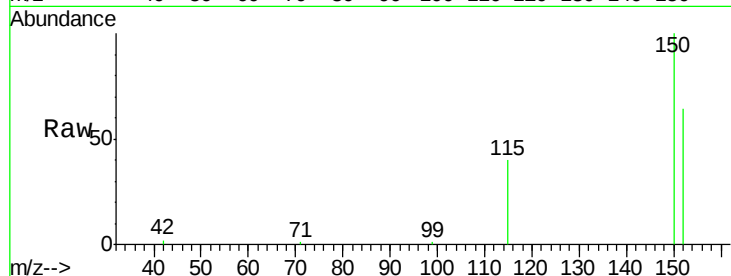
Tgt Ion:152 Resp: 20637

Ion Ratio Lower Upper

152 100

150 155.2 123.0 184.4

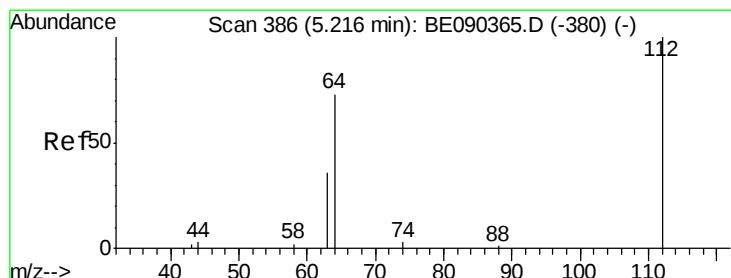
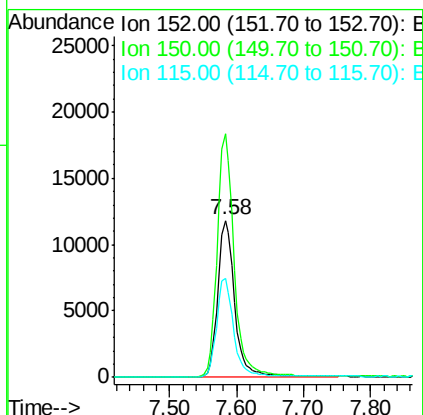
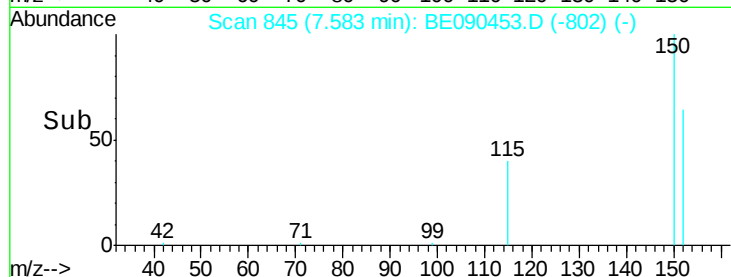
115 62.7 48.9 73.3



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



#4

2-Fluorophenol

Concen: 4.78 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

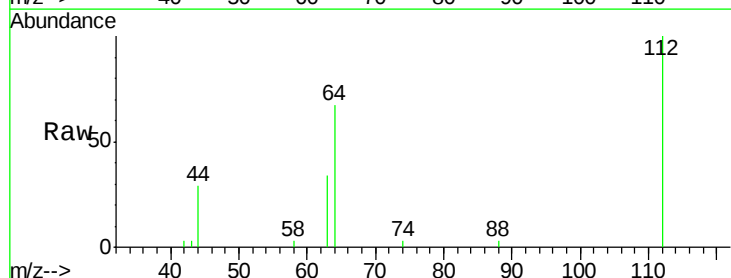
Tgt Ion:112 Resp: 14797

Ion Ratio Lower Upper

112 100

64 71.9 37.1 55.7#

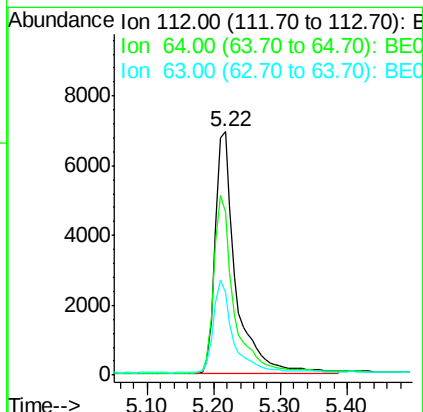
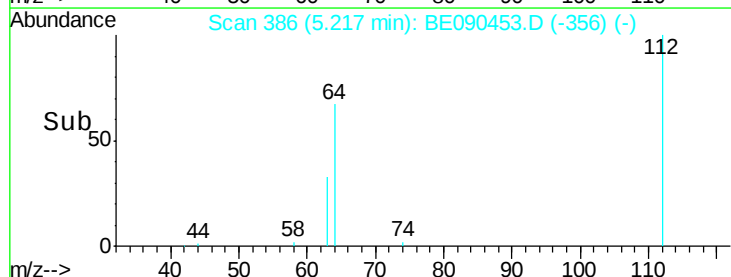
63 36.9 19.5 29.3#



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: 2.27 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

Instrument :

BNA\_E

ClientSampleId :

080715-D534-F-U-M

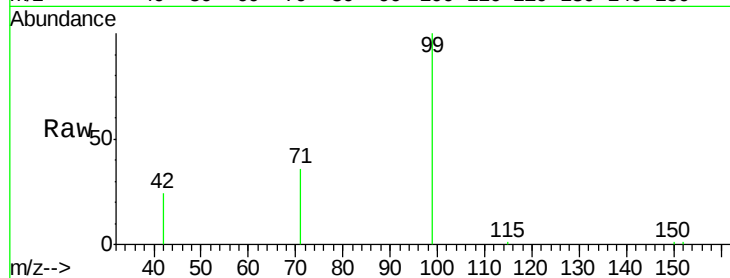
Tgt Ion: 99 Resp: 14025

Ion Ratio Lower Upper

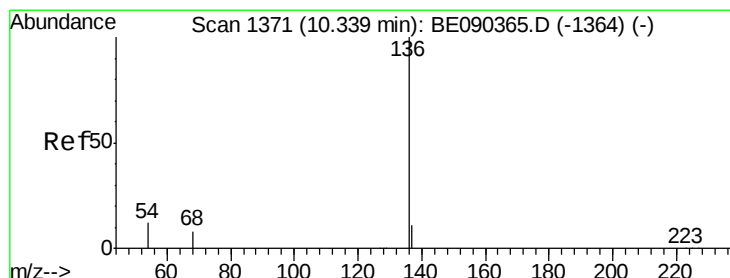
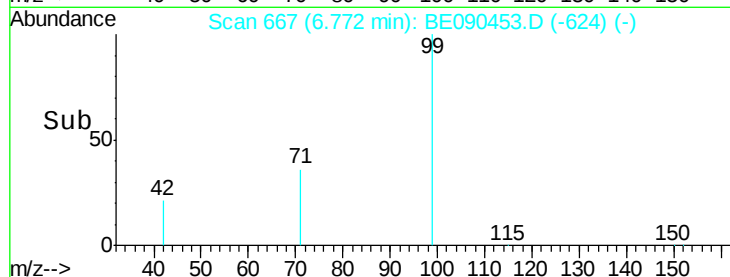
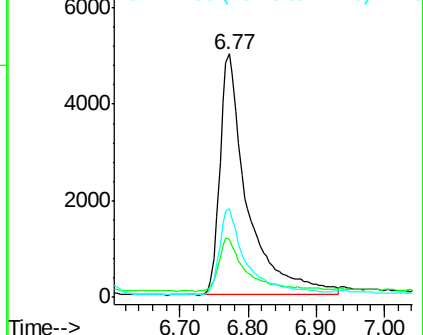
99 100

42 22.5 18.2 27.4

71 35.0 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: BE090453.D

Acq: 12 Aug 2015 6:23

Tgt Ion: 136 Resp: 96064

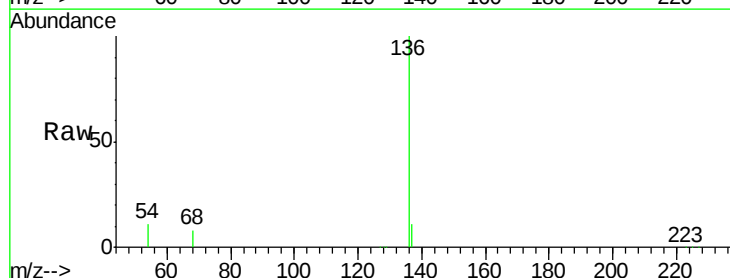
Ion Ratio Lower Upper

136 100

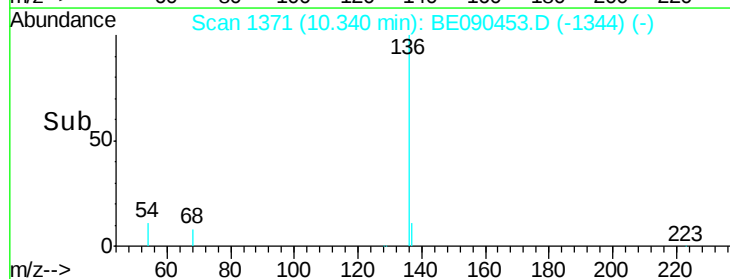
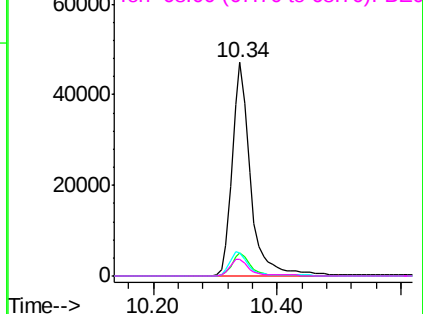
137 10.8 8.7 13.1

54 11.1 9.4 14.0

68 7.9 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: 3.52 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

Instrument :

BNA\_E

ClientSampleId :

080715-D534-F-U-M

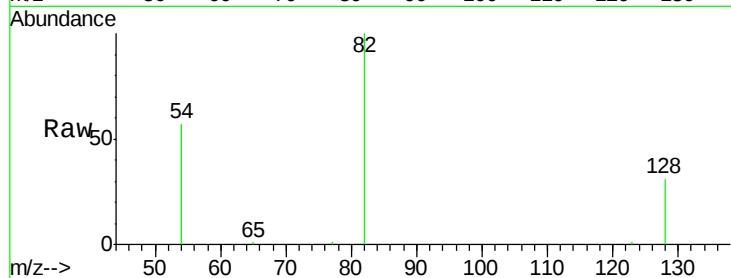
Tgt Ion: 82 Resp: 27031

Ion Ratio Lower Upper

82 100

128 31.1 25.0 37.6

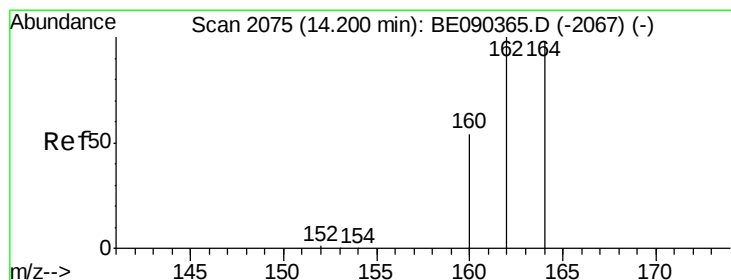
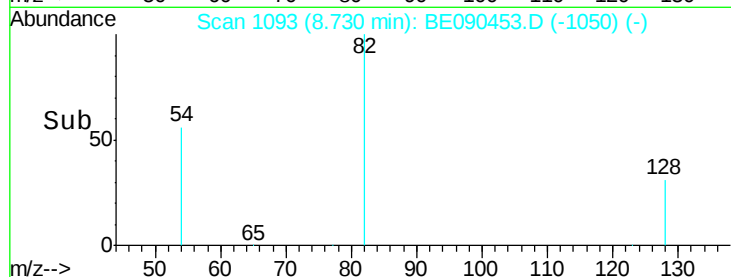
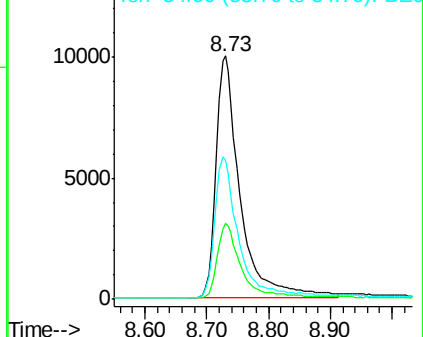
54 56.7 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090453.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090453.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090453.D (-1050) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

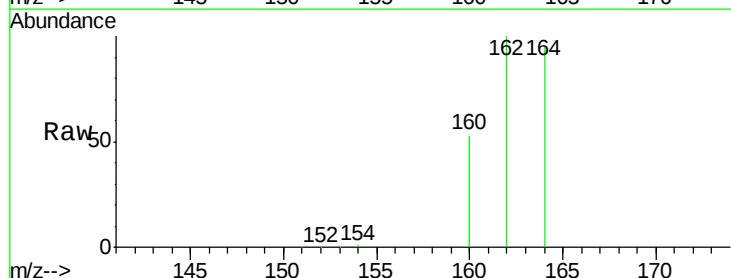
Tgt Ion: 164 Resp: 55387

Ion Ratio Lower Upper

164 100

162 105.3 81.8 122.8

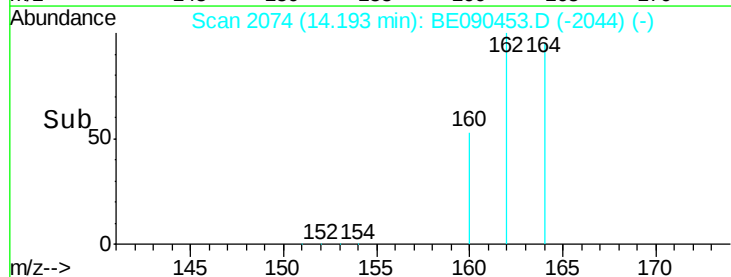
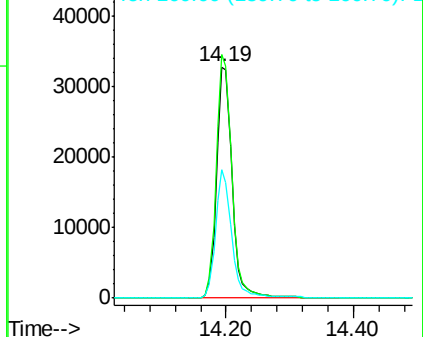
160 55.4 44.2 66.4



Abundance Ion 164.00 (163.70 to 164.70): BE090453.D (-2044) (-)

Ion 162.00 (161.70 to 162.70): BE090453.D (-2044) (-)

Ion 160.00 (159.70 to 160.70): BE090453.D (-2044) (-)

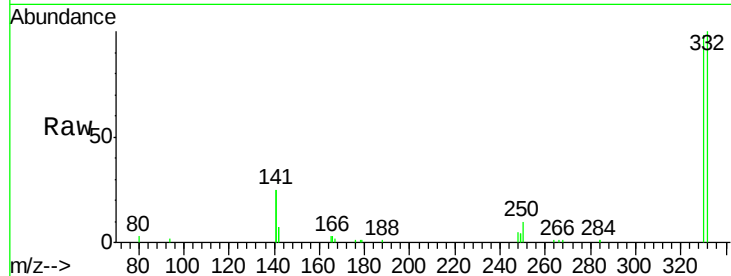




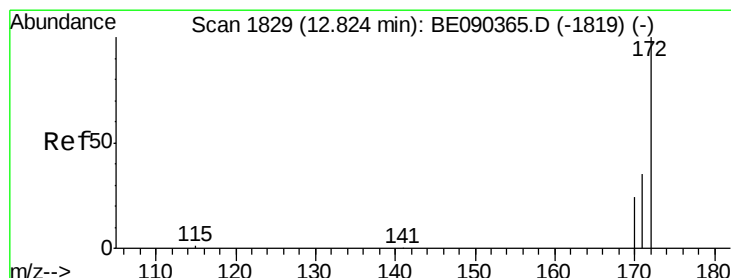
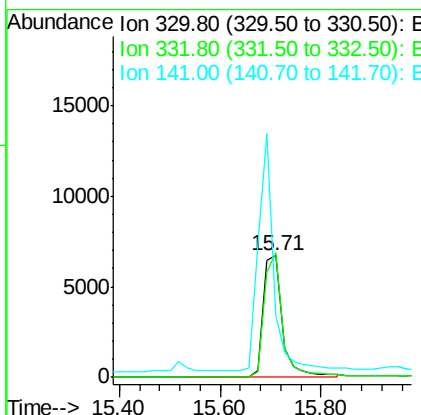
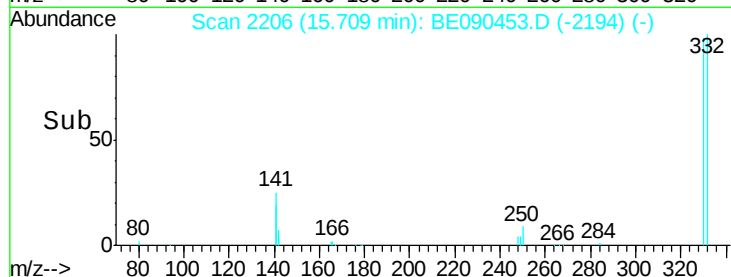
#13  
 2,4,6-Tribromophenol  
 Concen: 9.34 ng  
 RT: 15.71 min Scan# 2206  
 Delta R.T. 0.00 min  
 Lab File: BE090453.D  
 Acq: 12 Aug 2015 6:23

Instrument :  
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 ClientSampleId :  
 080715-D534-F-U-M

Tgt Ion:330 Resp: 17092  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 75.8 113.6  
 141 160.1 114.4 171.6

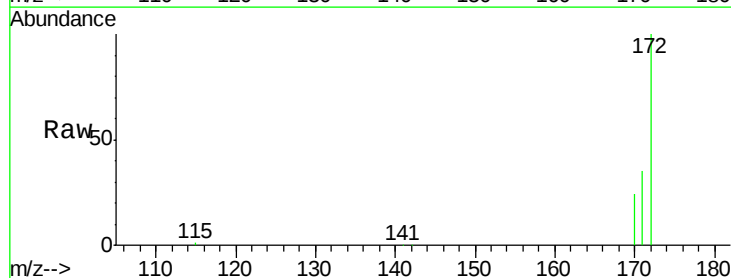


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

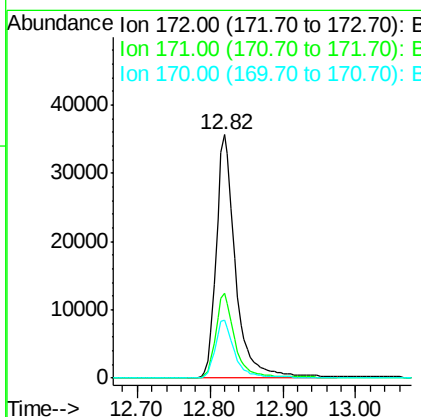
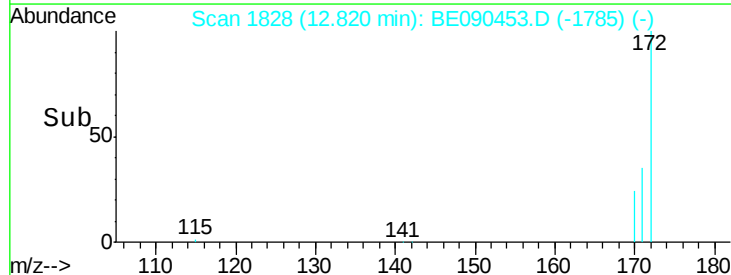


#14  
 2-Fluorobiphenyl  
 Concen: 4.31 ng  
 RT: 12.82 min Scan# 1828  
 Delta R.T. -0.00 min  
 Lab File: BE090453.D  
 Acq: 12 Aug 2015 6:23

Tgt Ion:172 Resp: 65734  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.5 42.7  
 170 23.8 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: BE090453.D

Acq: 12 Aug 2015 6:23

Instrument :

BNA\_E

ClientSampleId :

080715-D534-F-U-M

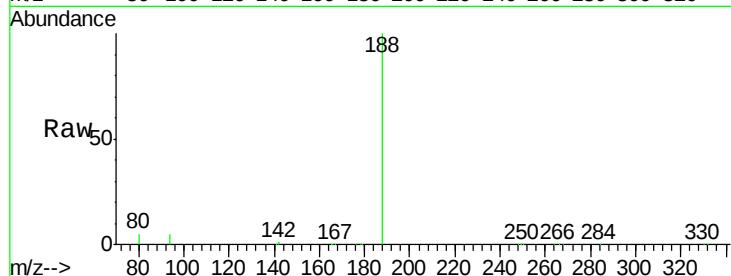
Tgt Ion:188 Resp: 132470

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

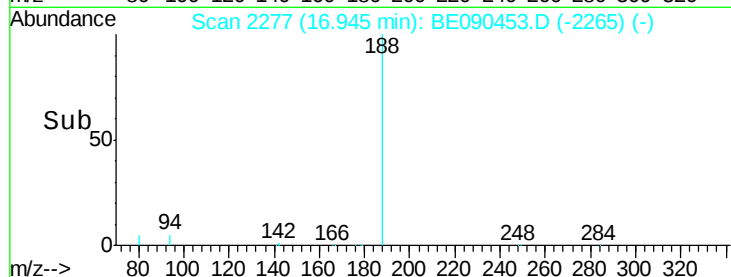
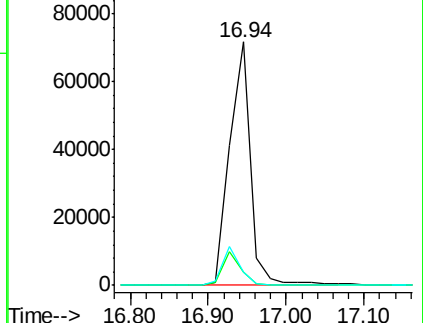
80 5.5 5.8 8.8#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

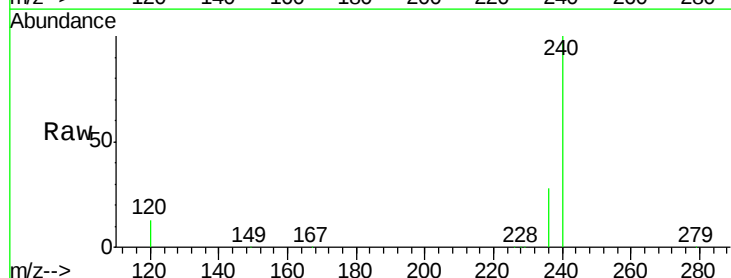
Tgt Ion:240 Resp: 151930

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

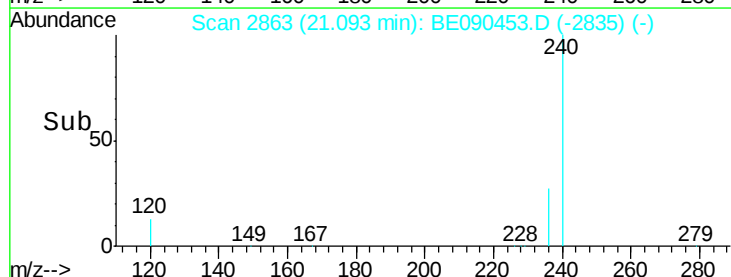
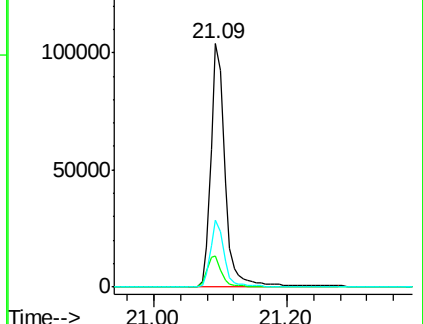
236 27.5 21.0 31.4



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

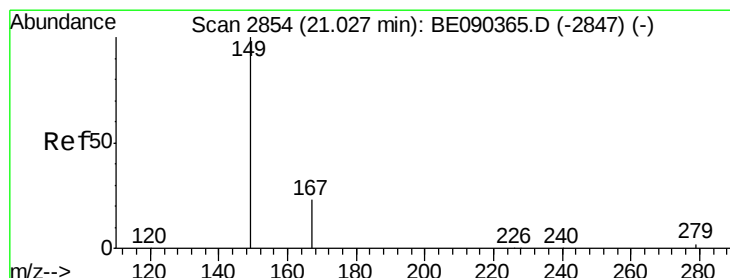
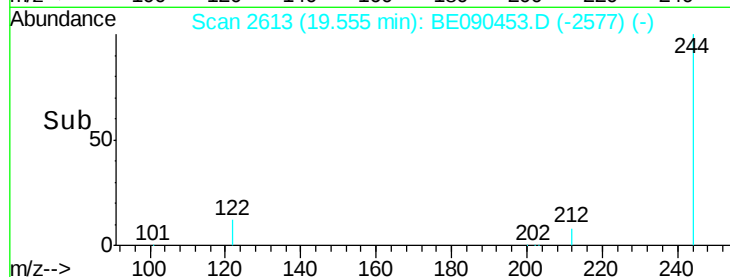
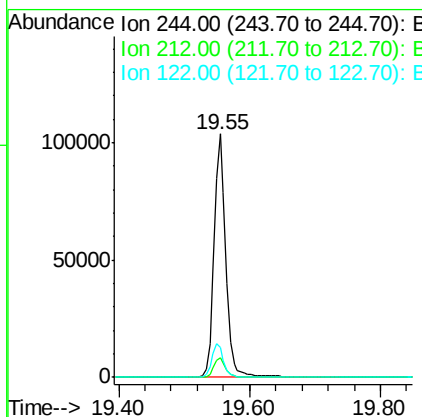
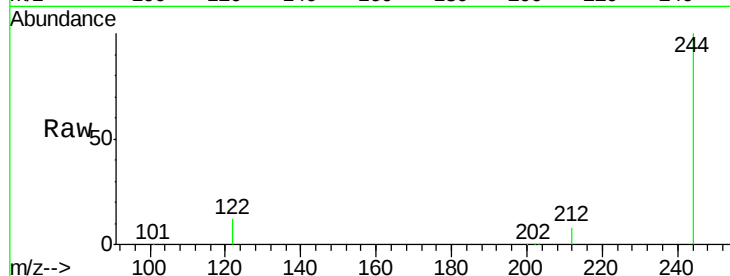




#27  
 Terphenyl-d14  
 Concen: 5.81 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. -0.01 min  
 Lab File: BE090453.D  
 Acq: 12 Aug 2015 6:23

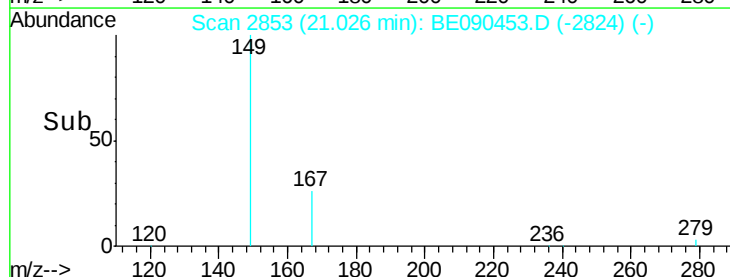
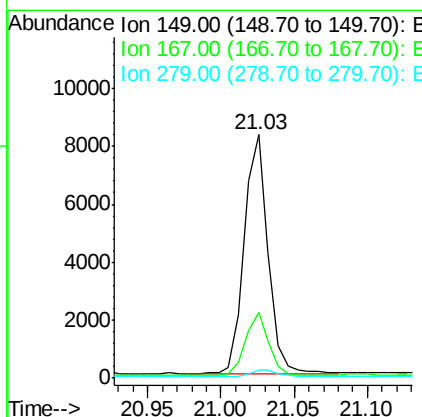
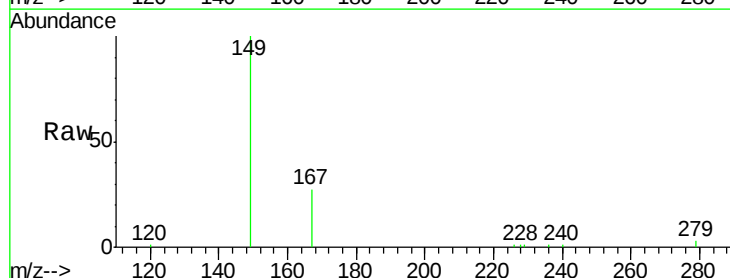
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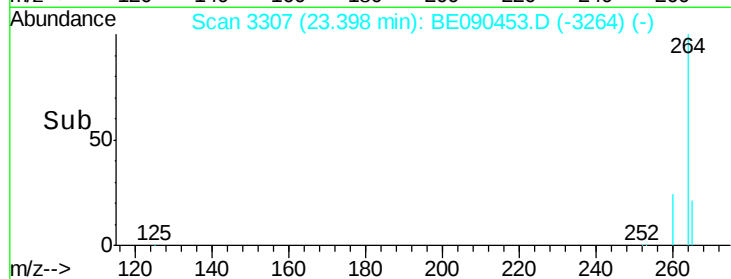
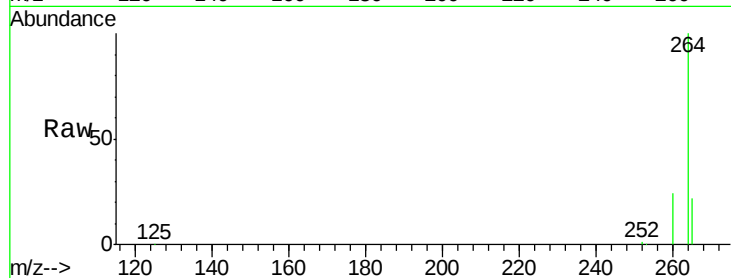
Tgt Ion: 244 Resp: 130073  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.6 9.8  
 122 12.3 10.2 15.4



#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.16 ng  
 RT: 21.03 min Scan# 2853  
 Delta R.T. -0.00 min  
 Lab File: BE090453.D  
 Acq: 12 Aug 2015 6:23

Tgt Ion: 149 Resp: 9298  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 19.8 29.8  
 279 3.0 2.4 3.6





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090453.D

Acq: 12 Aug 2015 6:23

Instrument :

BNA\_E

ClientSampleId :

080715-D534-F-U-M

Tgt Ion: 264 Resp: 134155

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 21.8 17.2 25.8

