

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE122617\  
 Data File : BE095054.D  
 Acq On : 26 Dec 2017 14:03  
 Operator : SJ/JU  
 Sample : I7004-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PR-MW-03-121917

Quant Time: Dec 26 16:22:11 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 18:42:53 2017  
 Response via : Initial Calibration

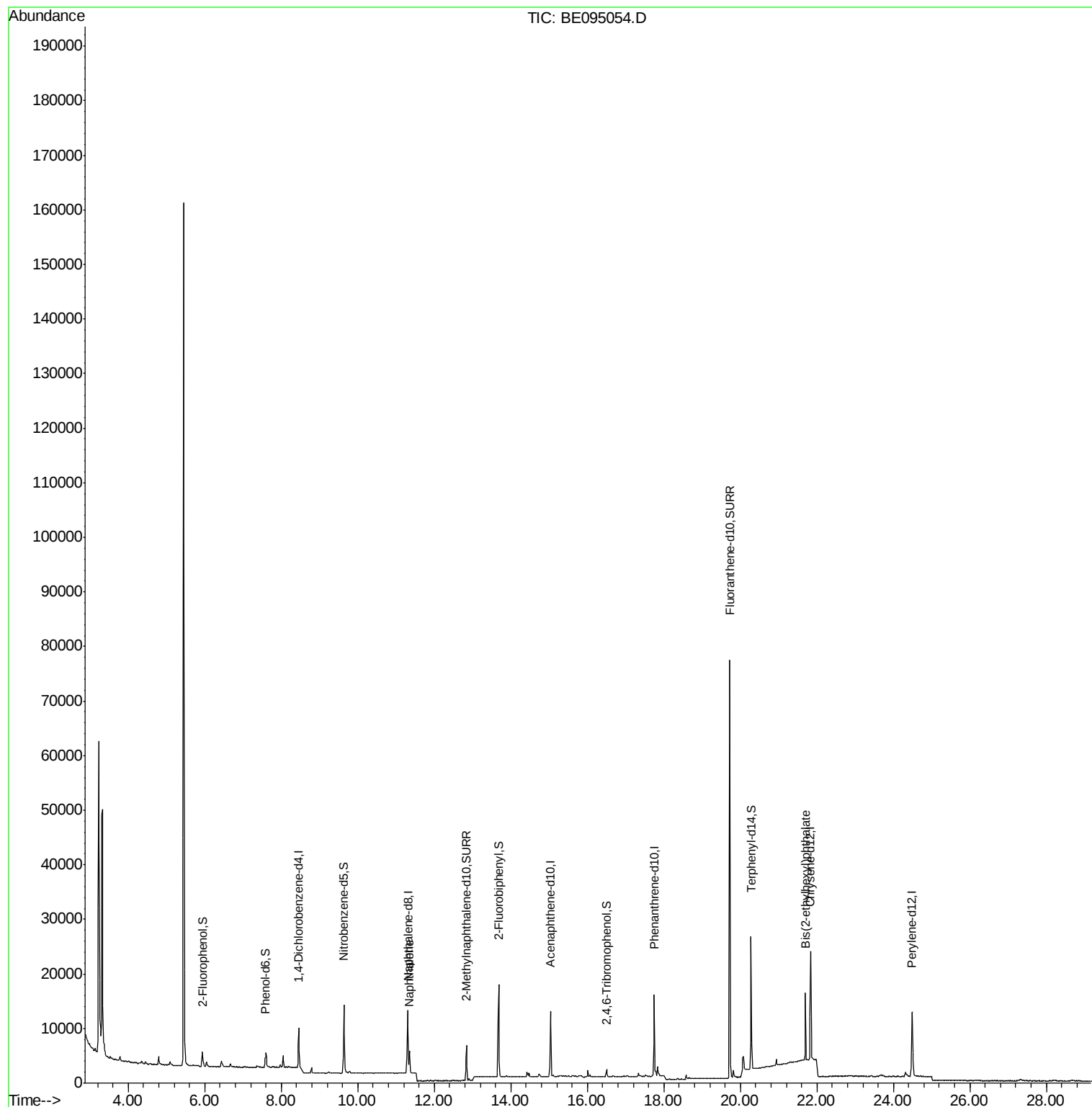
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.46  | 152  | 6051     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 11.31 | 136  | 14432    | 0.40  | ng    | -0.02    |
| 13) Acenaphthene-d10           | 15.03 | 164  | 8069     | 0.40  | ng    | -0.03    |
| 19) Phenanthrene-d10           | 17.74 | 188  | 19565    | 0.40  | ng    | -0.03    |
| 27) Chrysene-d12               | 21.84 | 240  | 21157    | 0.40  | ng    | -0.03    |
| 34) Perylene-d12               | 24.49 | 264  | 18630    | 0.40  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.94  | 112  | 1571     | 0.17  | ng    | -0.01    |
| 5) Phenol-d6                   | 7.58  | 99   | 1450     | 0.10  | ng    | -0.01    |
| 8) Nitrobenzene-d5             | 9.63  | 82   | 5222     | 0.44  | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10    | 12.84 | 152  | 8624     | 0.36  | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol       | 16.50 | 330  | 827      | 0.44  | ng    | -0.03    |
| 15) 2-Fluorobiphenyl           | 13.68 | 172  | 16548    | 0.46  | ng    | -0.02    |
| 25) Fluoranthene-d10           | 19.72 | 212  | 100307   | 0.40  | ng    | -0.03    |
| 29) Terphenyl-d14              | 20.28 | 244  | 22485    | 0.56  | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       |          |
| 9) Naphthalene                 | 11.34 | 128  | 7100     | 0.042 | ng    | # 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 13770    | 0.175 | ng    | # 98     |

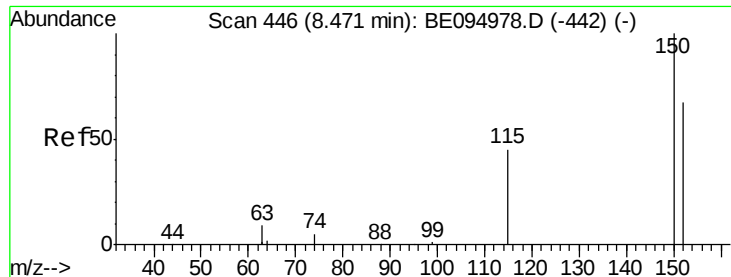
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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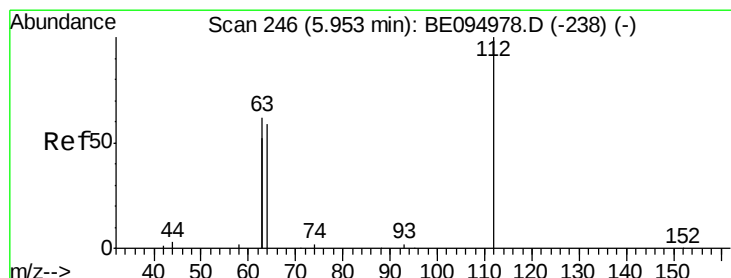
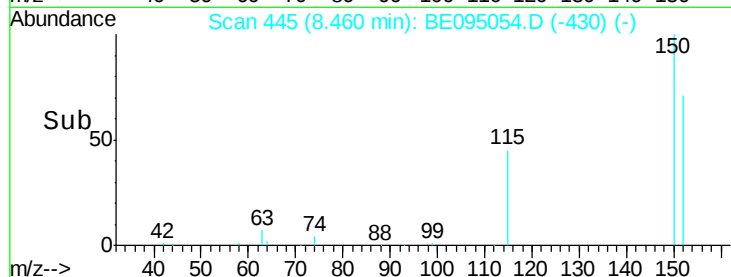
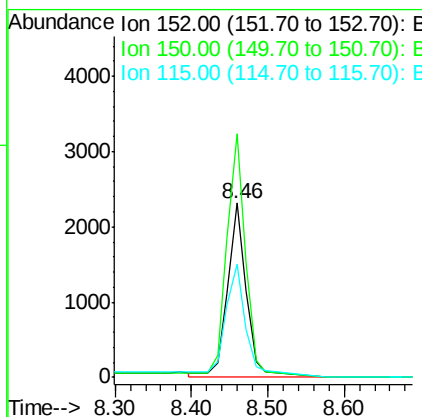
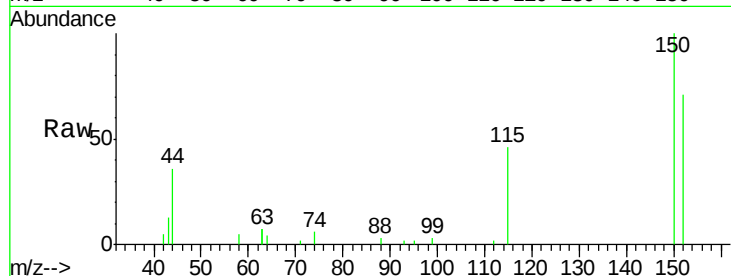




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.46 min Scan# 445  
 Delta R.T. -0.01 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

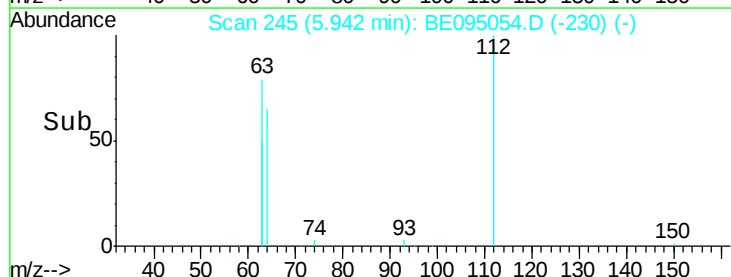
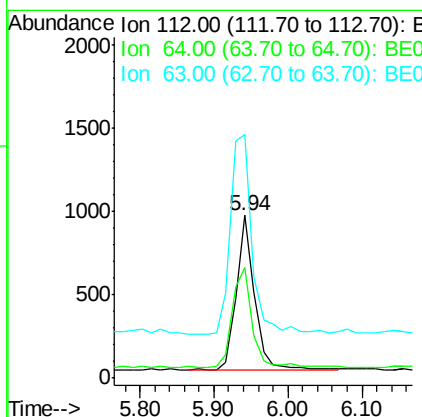
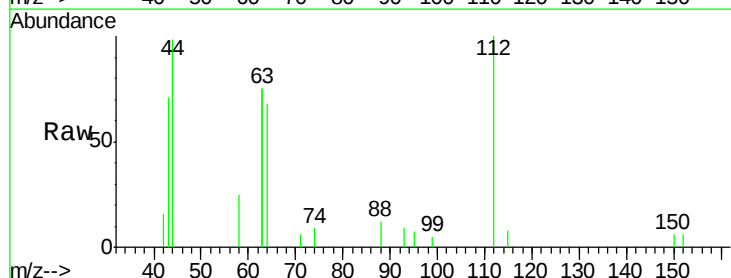
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PR-MW-03-121917

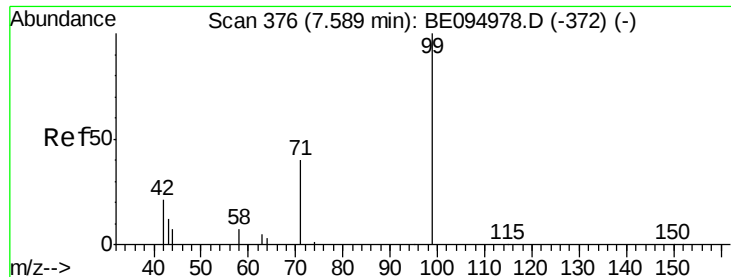
Tgt Ion:152 Resp: 6051  
 Ion Ratio Lower Upper  
 152 100  
 150 140.0 117.2 175.8  
 115 64.7 57.0 85.6



#4  
 2-Fluorophenol  
 Concen: 0.167 ng  
 RT: 5.94 min Scan# 245  
 Delta R.T. -0.01 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

Tgt Ion:112 Resp: 1571  
 Ion Ratio Lower Upper  
 112 100  
 64 70.8 60.1 90.1  
 63 157.5 116.8 175.2





#5

Phenol-d6

Concen: 0.104 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Instrument :

BNA\_E

ClientSampleId :

PR-MW-03-121917

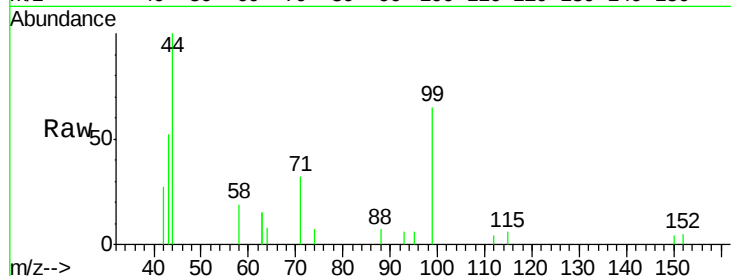
Tgt Ion: 99 Resp: 1450

Ion Ratio Lower Upper

99 100

42 41.7 20.2 30.2#

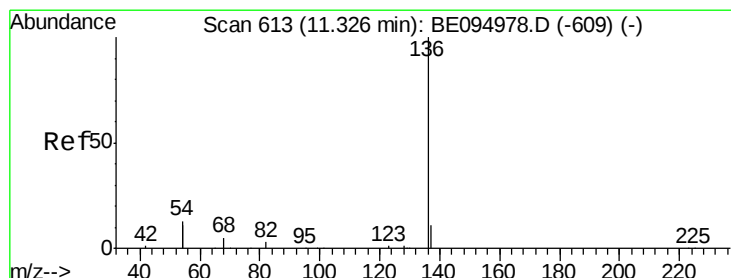
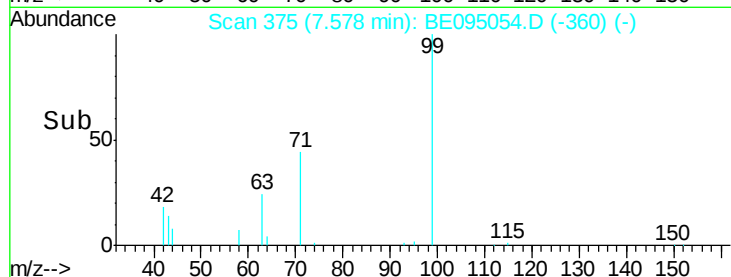
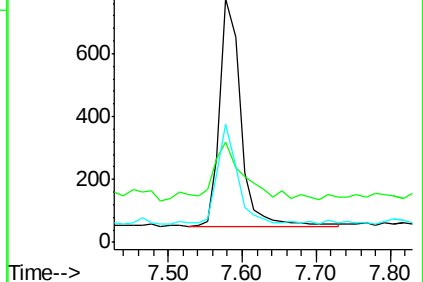
71 40.8 28.4 42.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Tgt Ion: 136 Resp: 14432

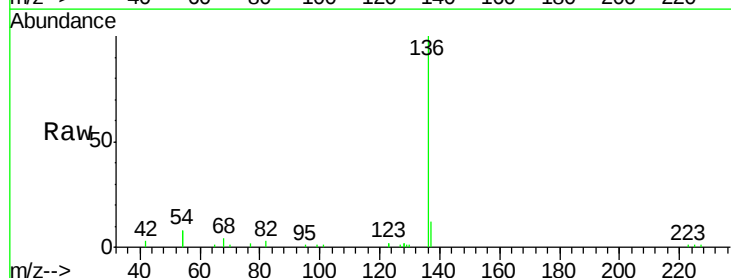
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 16.1 29.1 43.7#

68 4.0 6.2 9.2#

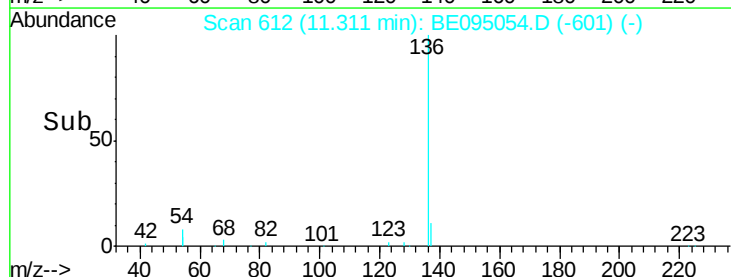
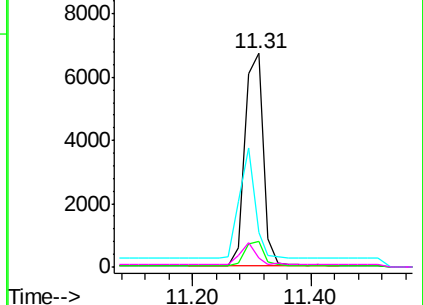


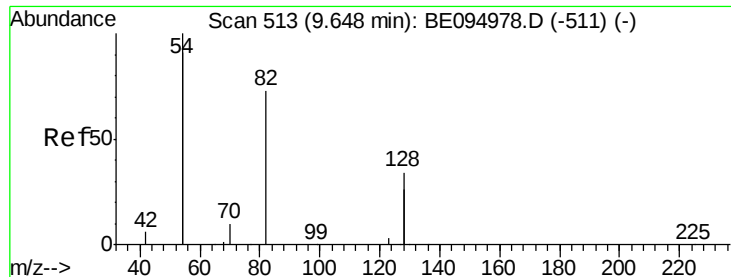
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.441 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Instrument :

BNA\_E

ClientSampleId :

PR-MW-03-121917

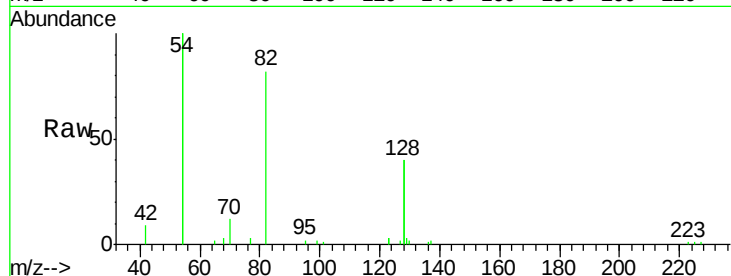
Tgt Ion: 82 Resp: 5222

Ion Ratio Lower Upper

82 100

128 96.6 150.0 225.0#

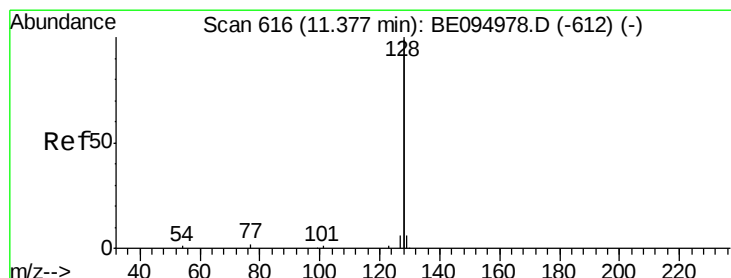
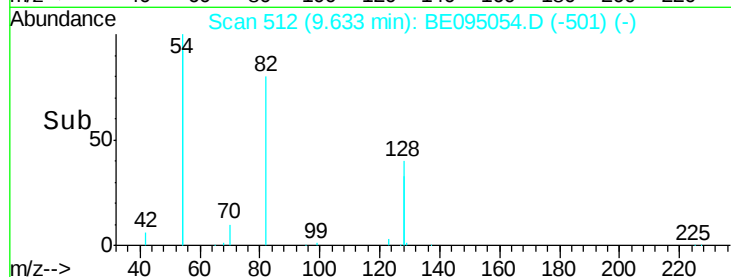
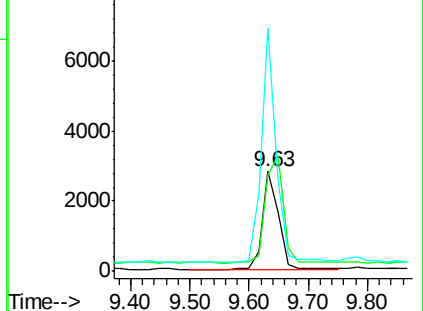
54 243.8 154.2 231.4#



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



#9

Naphthalene

Concen: 0.042 ng

RT: 11.34 min Scan# 614

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

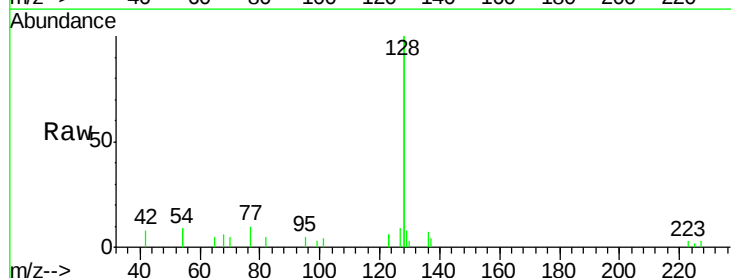
Tgt Ion: 128 Resp: 7100

Ion Ratio Lower Upper

128 100

129 4.2 2.6 3.8#

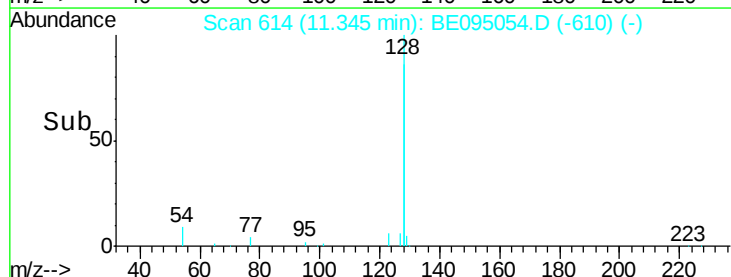
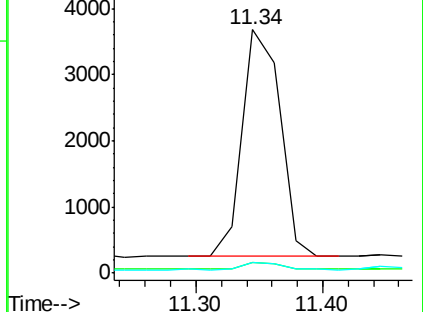
127 4.6 2.8 4.2#

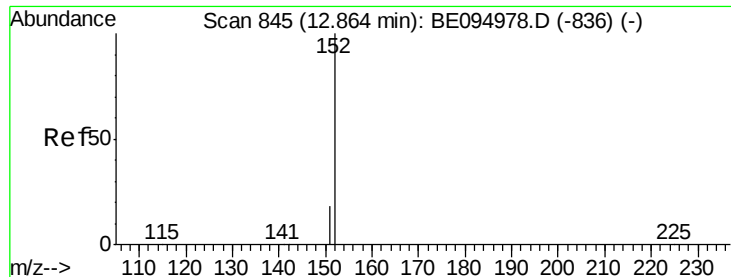


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

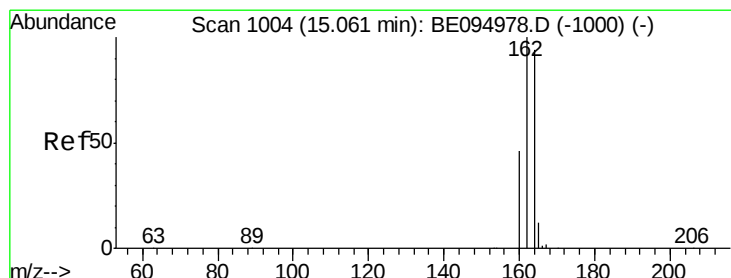
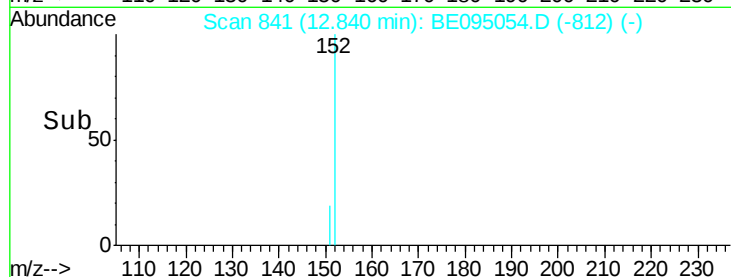
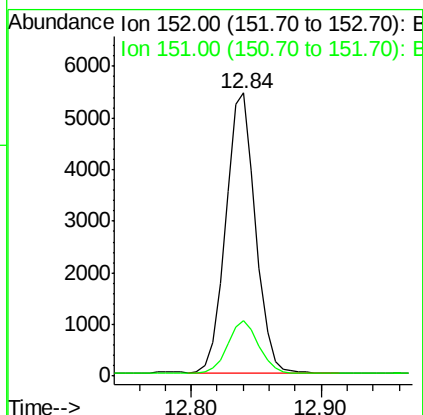
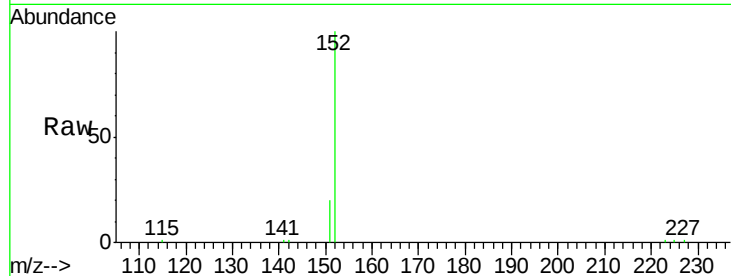




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.365 ng  
 RT: 12.84 min Scan# 841  
 Delta R.T. -0.02 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

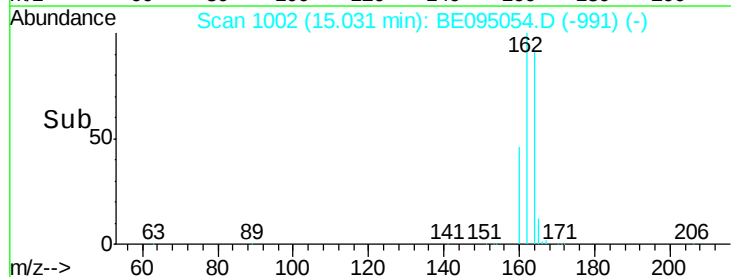
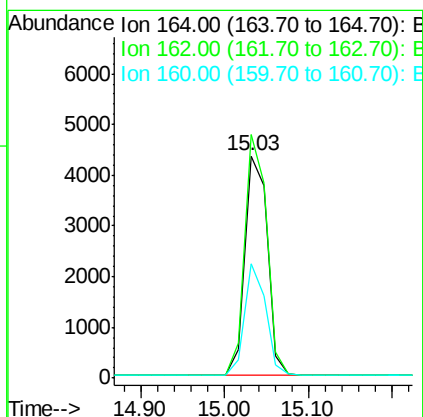
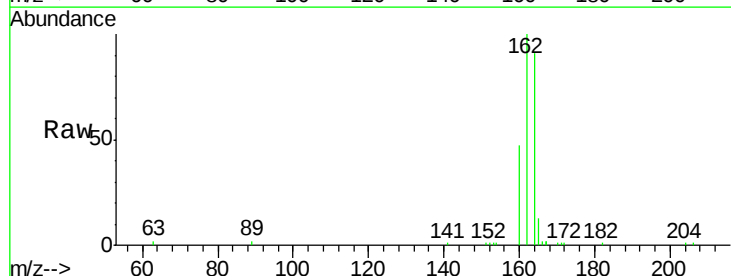
Instrument :  
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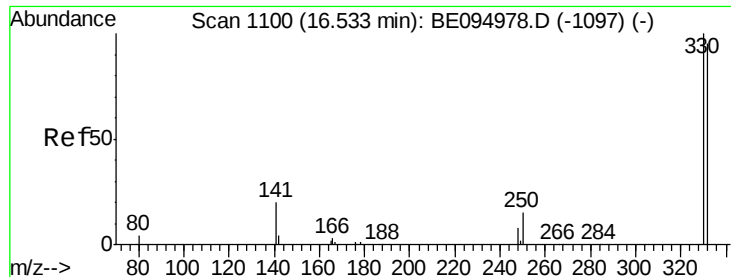
Tgt Ion:152 Resp: 8624  
 Ion Ratio Lower Upper  
 152 100  
 151 19.9 15.4 23.0



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 15.03 min Scan# 1002  
 Delta R.T. -0.03 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

Tgt Ion:164 Resp: 8069  
 Ion Ratio Lower Upper  
 164 100  
 162 109.6 83.1 124.7  
 160 51.4 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.441 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Instrument :

BNA\_E

ClientSampleId :

PR-MW-03-121917

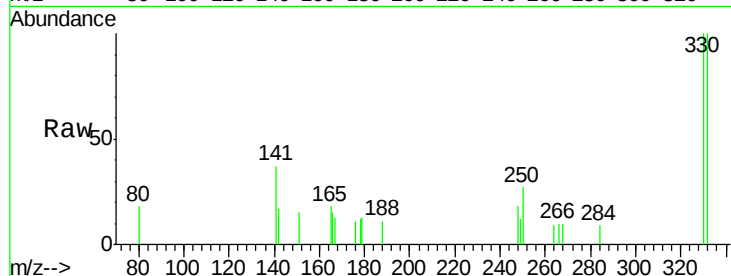
Tgt Ion:330 Resp: 827

Ion Ratio Lower Upper

330 100

332 92.3 152.7 229.1#

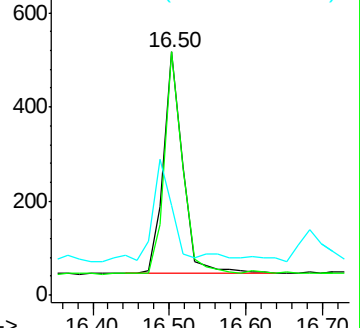
141 40.4 33.7 50.5



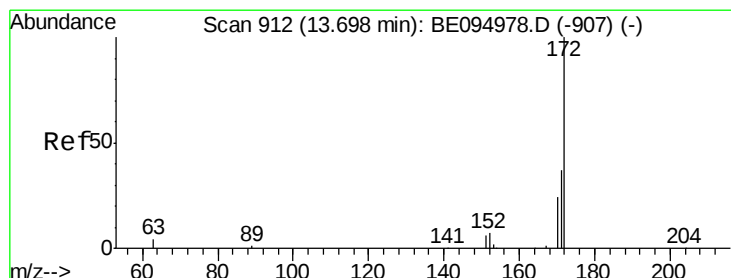
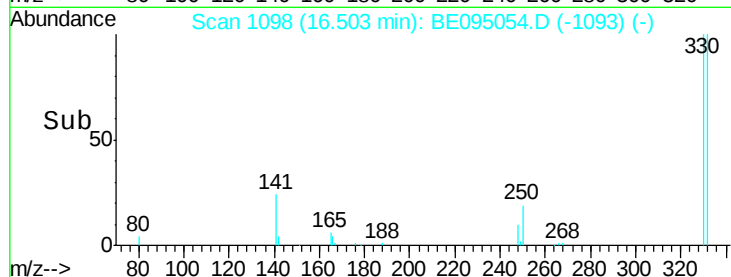
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#15

2-Fluorobiphenyl

Concen: 0.463 ng

RT: 13.68 min Scan# 911

Delta R.T. -0.02 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

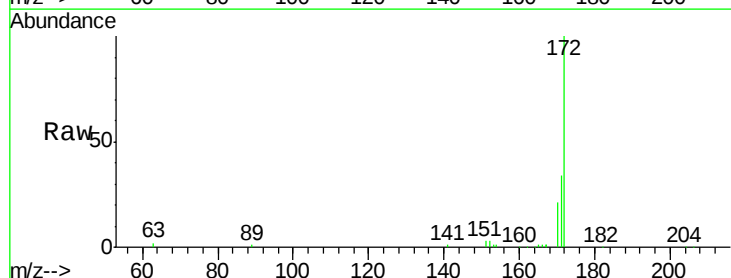
Tgt Ion:172 Resp: 16548

Ion Ratio Lower Upper

172 100

171 33.8 29.9 44.9

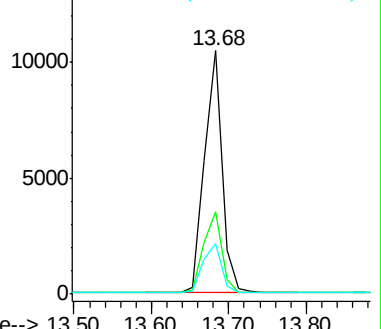
170 20.8 21.8 32.8#



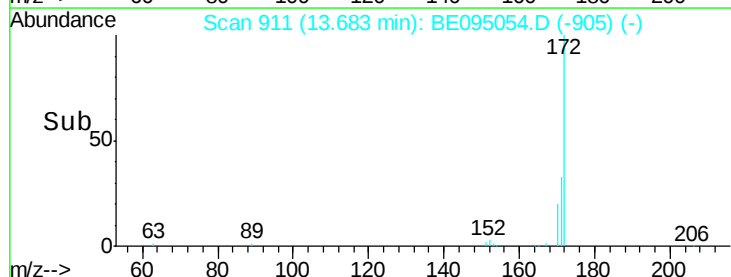
Abundance Ion 172.00 (171.70 to 172.70): E

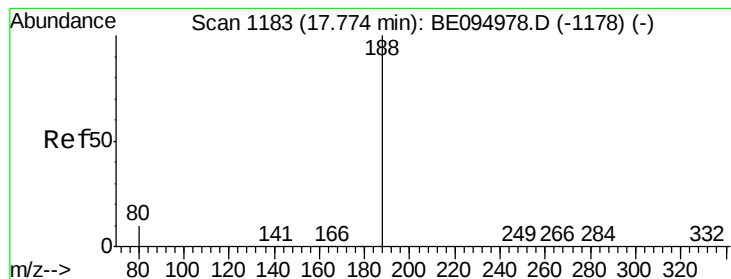
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Instrument :

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ClientSampleId :

PR-MW-03-121917

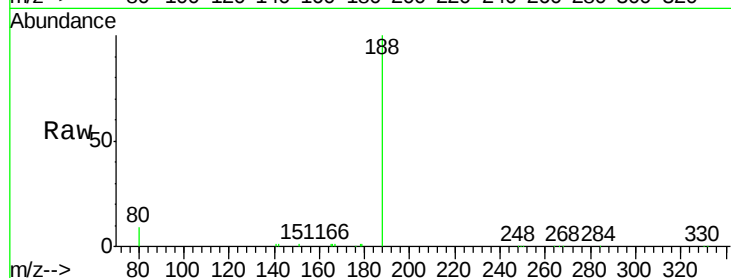
Tgt Ion:188 Resp: 19565

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

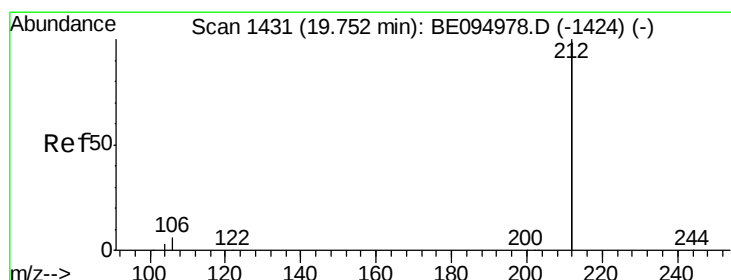
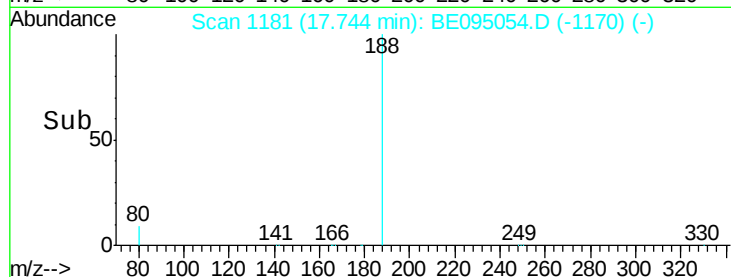
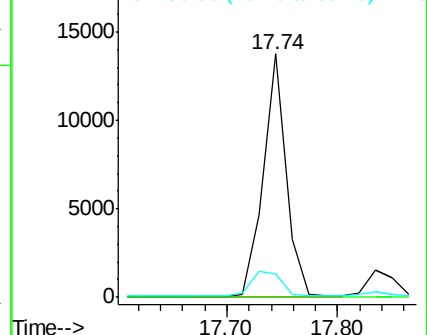
80 9.4 3.6 5.4#



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

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

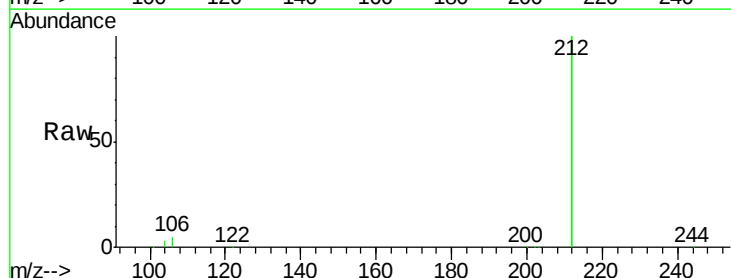
Tgt Ion:212 Resp: 100307

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

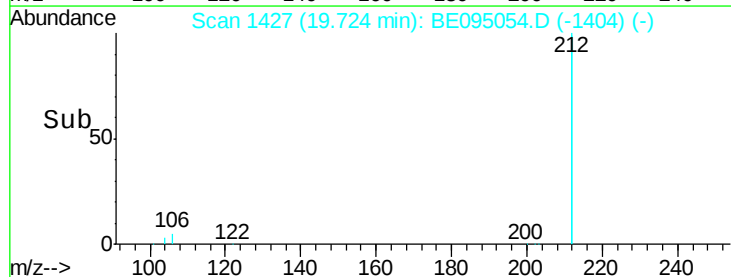
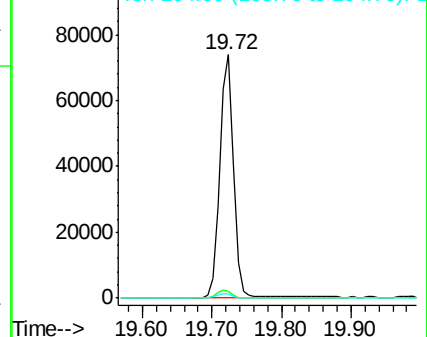
104 1.9 1.6 2.4

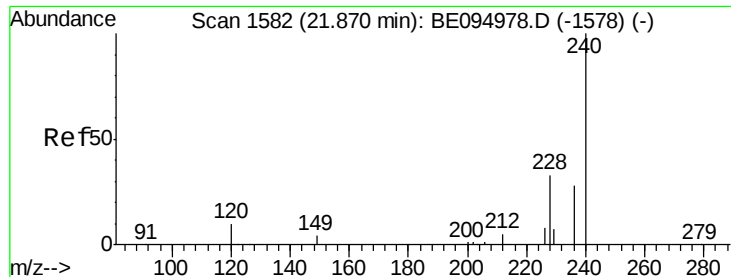


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

Instrument :

BNA\_E

ClientSampleId :

PR-MW-03-121917

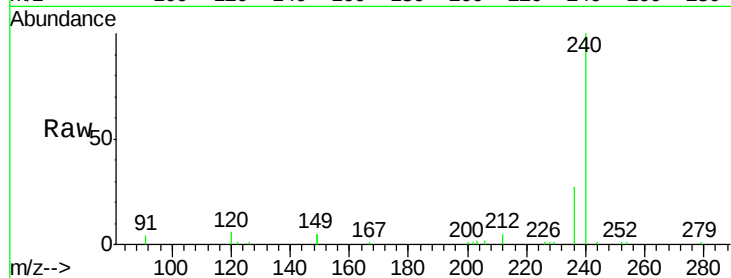
Tgt Ion:240 Resp: 21157

Ion Ratio Lower Upper

240 100

120 6.2 5.5 8.3

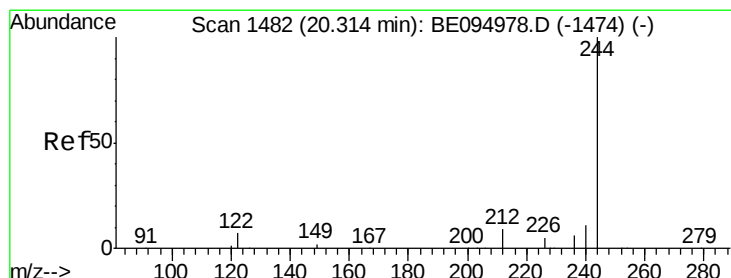
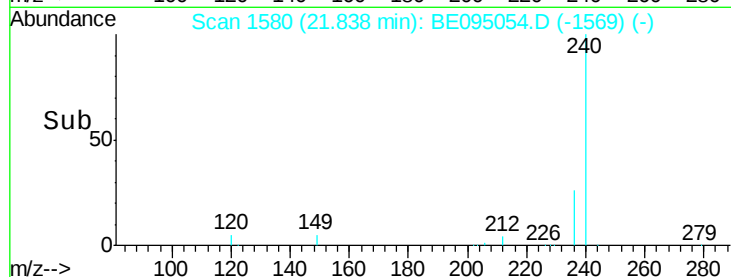
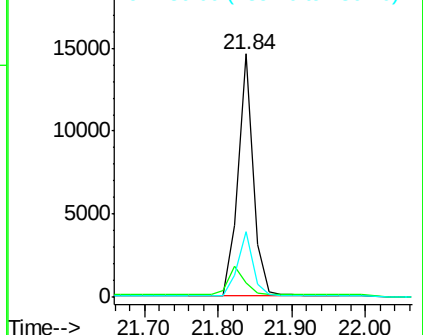
236 26.8 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.565 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095054.D

Acq: 26 Dec 2017 14:03

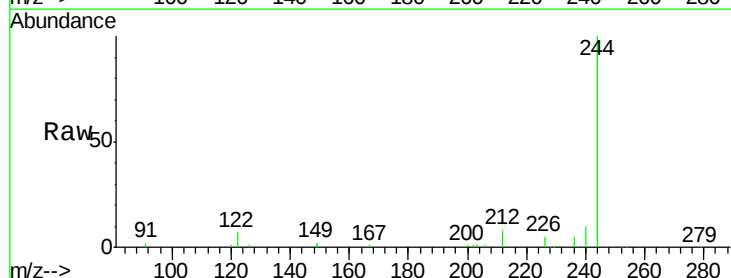
Tgt Ion:244 Resp: 22485

Ion Ratio Lower Upper

244 100

212 8.1 25.4 38.0#

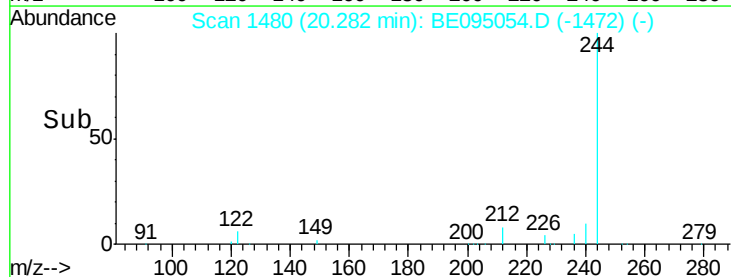
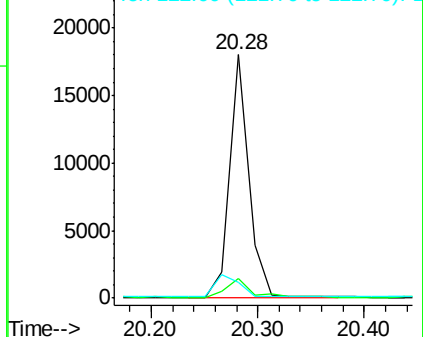
122 6.7 8.1 12.1#

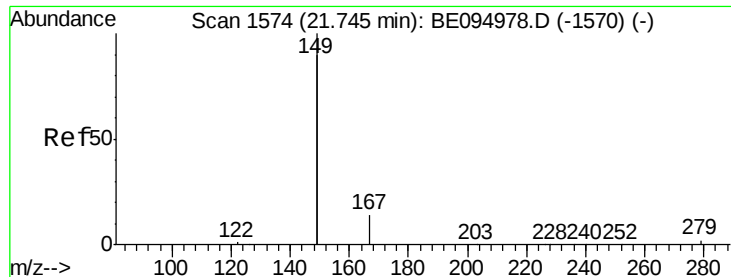


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

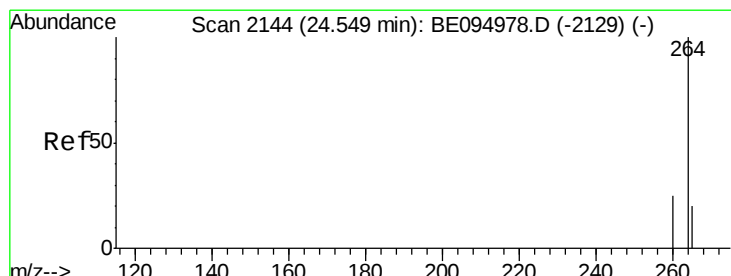
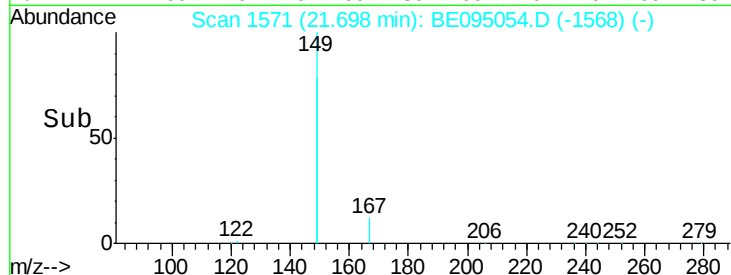
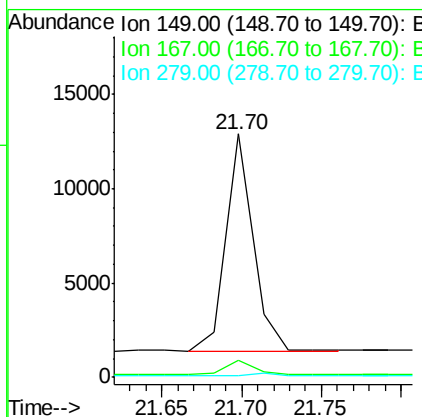
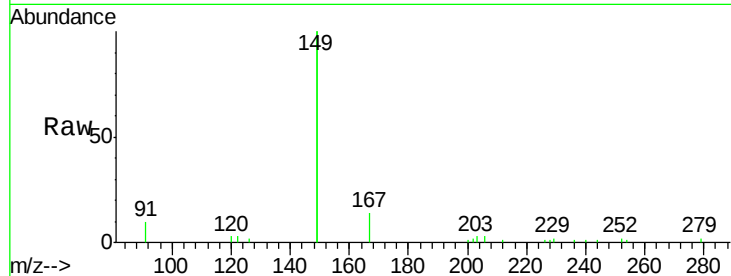




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.175 ng  
 RT: 21.70 min Scan# 1571  
 Delta R.T. -0.05 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PR-MW-03-121917

Tgt Ion:149 Resp: 13770  
 Ion Ratio Lower Upper  
 149 100  
 167 7.3 5.4 8.0  
 279 1.1 0.7 1.1#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.49 min Scan# 2132  
 Delta R.T. -0.06 min  
 Lab File: BE095054.D  
 Acq: 26 Dec 2017 14:03

Tgt Ion:264 Resp: 18630  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 20.5 30.7  
 265 27.5 22.8 34.2

