

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE062118\  
 Data File : BE096841.D  
 Acq On : 21 Jun 2018 12:34  
 Operator : SJ/JU  
 Sample : J3552-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MWHR2-8-061418

Quant Time: Jun 22 03:04:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 20 15:45:14 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 2773     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 12590    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.03 | 164  | 6422     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.78 | 188  | 19324    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 19196    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 17905    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.05  | 112  | 1138     | 0.18 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 920      | 0.10 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 3434     | 0.45 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.74 | 152  | 7271     | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330  | 564      | 0.42 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.64 | 172  | 17797    | 0.76 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.82 | 212  | 90932    | 0.53 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.44 | 244  | 20599    | 0.56 | ng    | 0.00     |

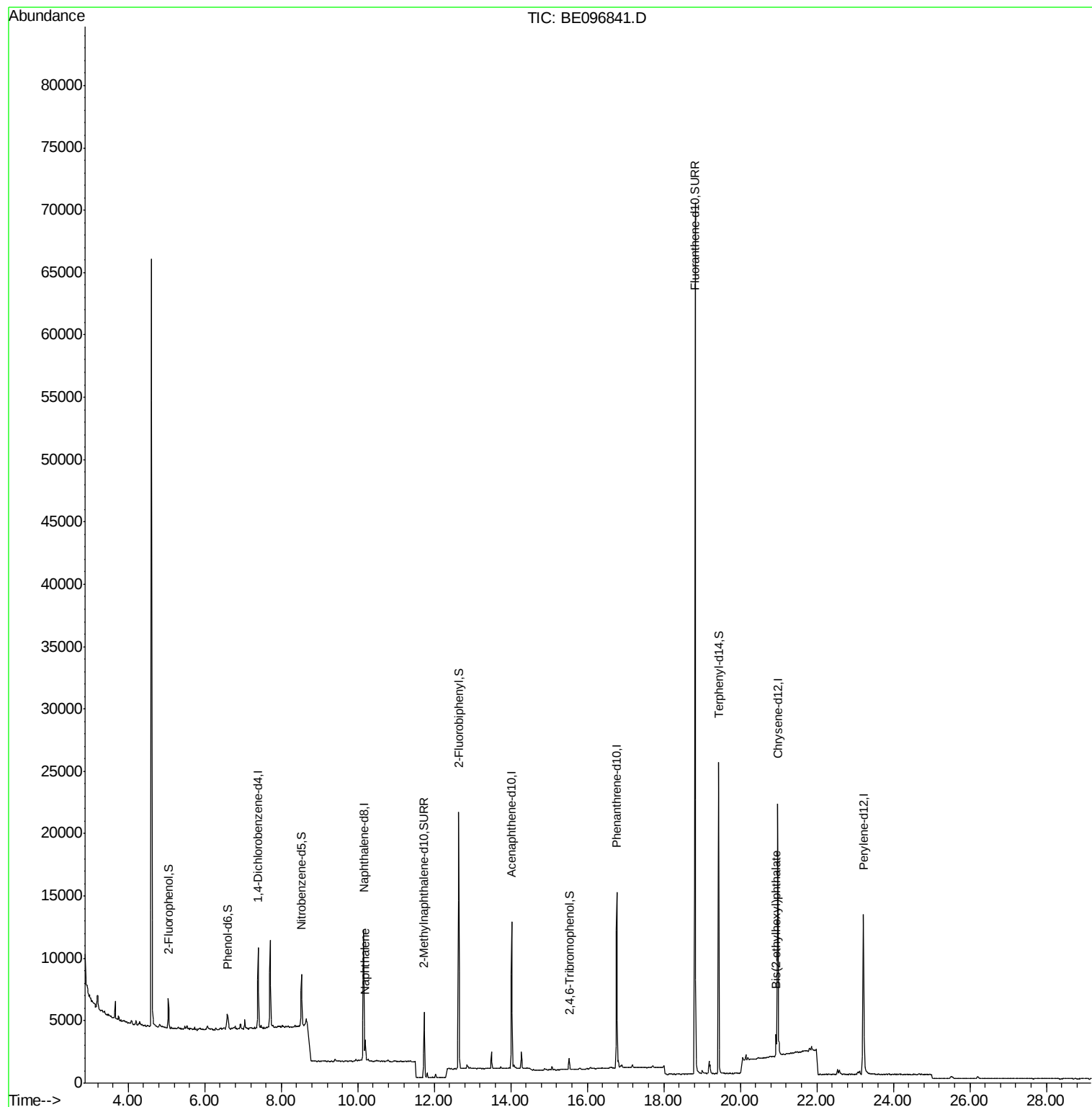
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 9) Naphthalene                 | 10.20 | 128  | 2722     | 0.024 | ng    | # 93   |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 2288     | 0.060 | ng    | # 98   |

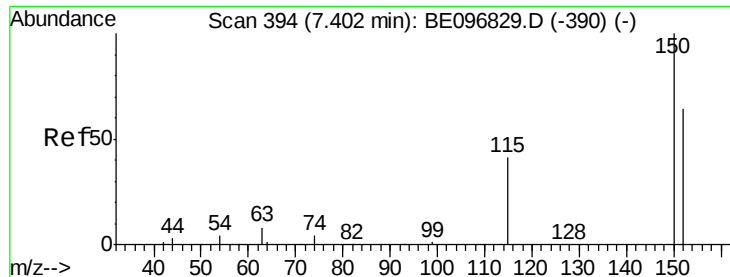
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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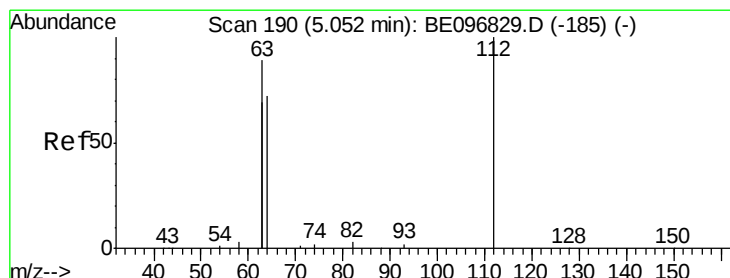
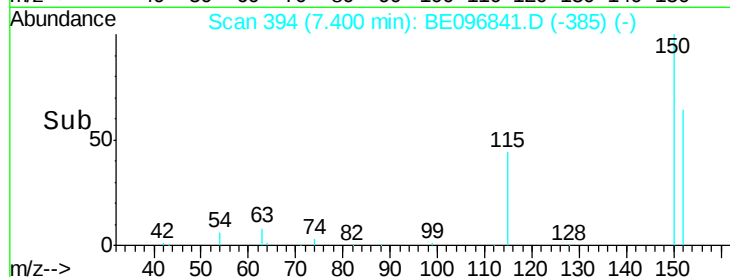
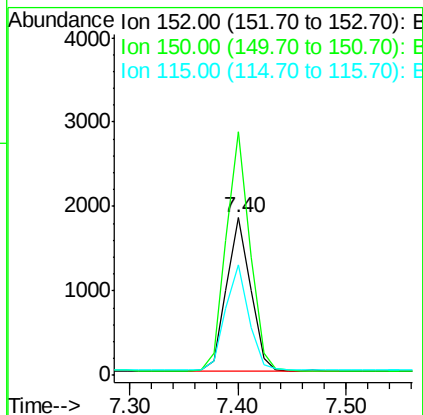
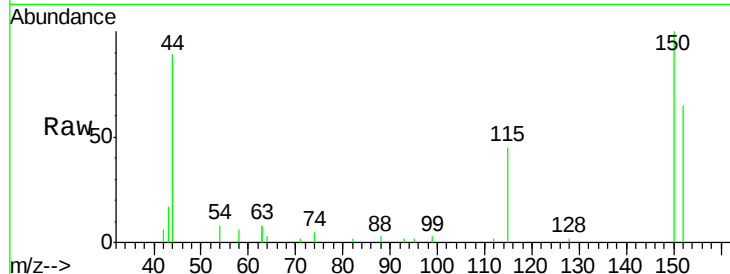


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. -0.00 min  
Lab File: BE096841.D  
Acq: 21 Jun 2018 12:34

Instrument :  
BNA\_E  
ClientSampleId :  
MWHR2-8-061418

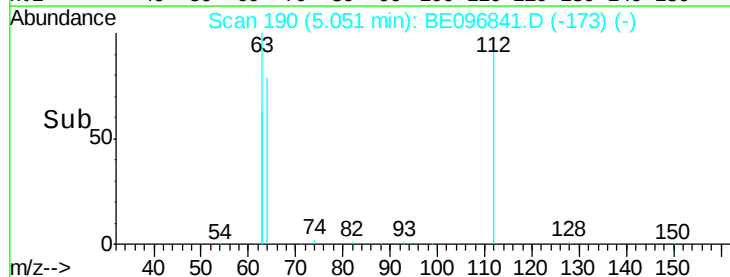
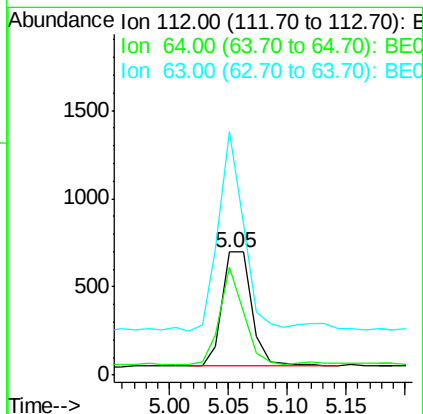
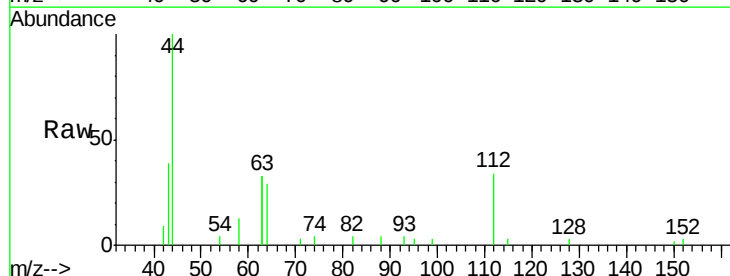
Tgt Ion:152 Resp: 2773  
Ion Ratio Lower Upper  
152 100  
150 154.6 117.2 175.8  
115 70.1 57.0 85.6

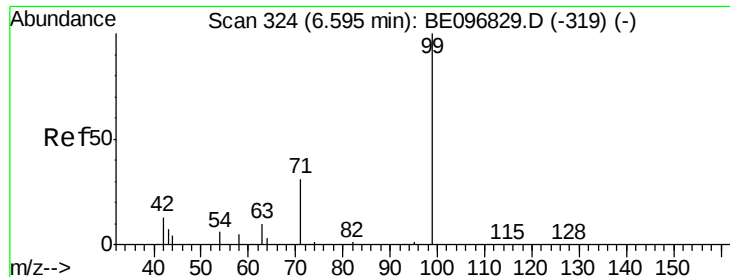


#4

2-Fluorophenol  
Concen: 0.184 ng  
RT: 5.05 min Scan# 190  
Delta R.T. -0.00 min  
Lab File: BE096841.D  
Acq: 21 Jun 2018 12:34

Tgt Ion:112 Resp: 1138  
Ion Ratio Lower Upper  
112 100  
64 68.3 60.1 90.1  
63 145.6 116.8 175.2





#5

Phenol-d6

Concen: 0.100 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

MWHR2-8-061418

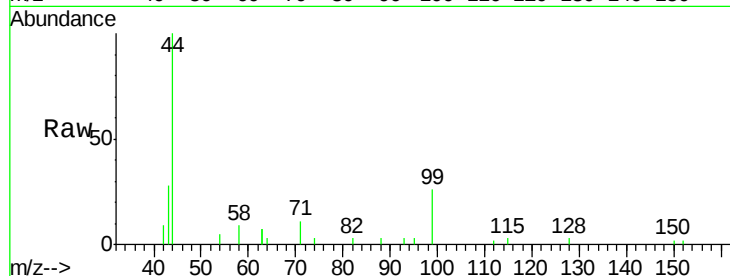
Tgt Ion: 99 Resp: 920

Ion Ratio Lower Upper

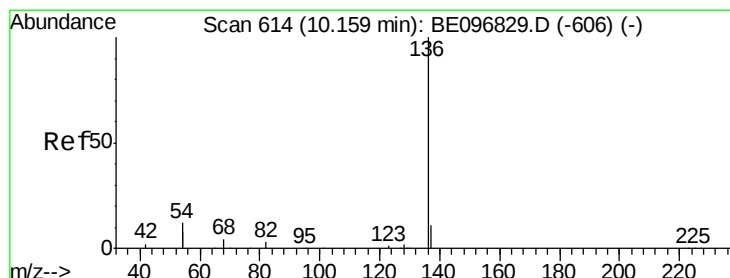
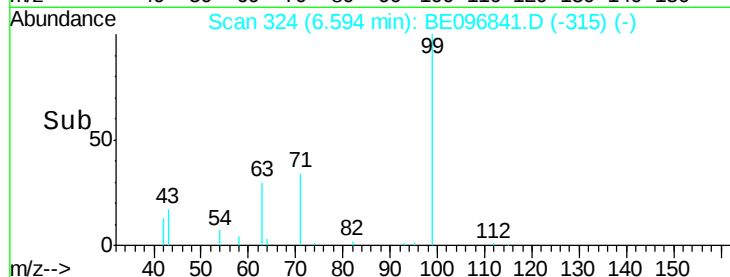
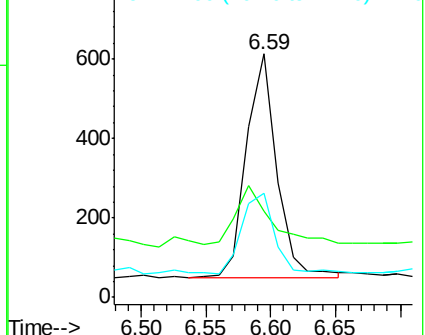
99 100

42 30.5 20.2 30.2#

71 38.0 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: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Tgt Ion: 136 Resp: 12590

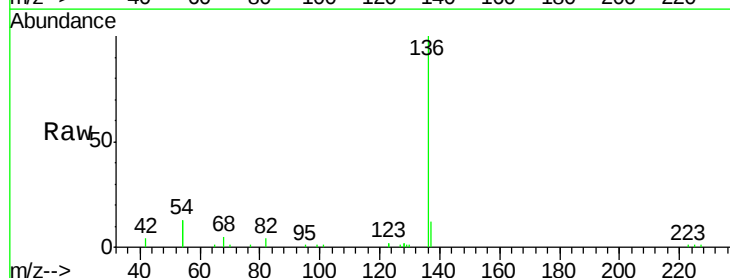
Ion Ratio Lower Upper

136 100

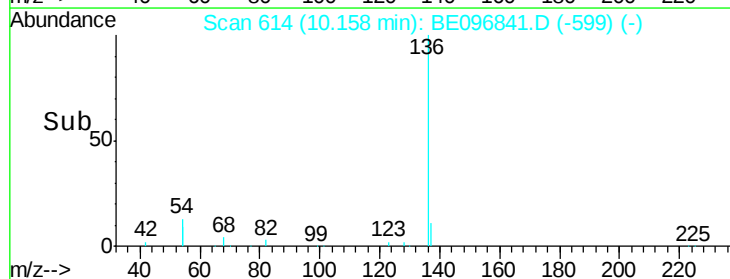
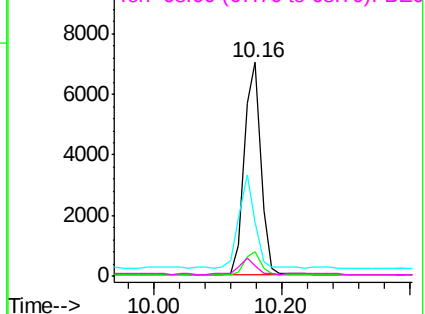
137 11.6 9.5 14.3

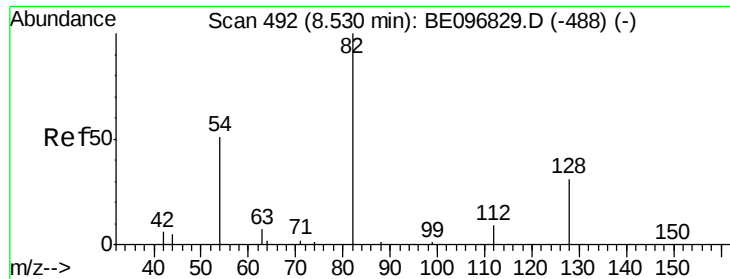
54 25.2 29.1 43.7#

68 4.8 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: 0.450 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

MWHR2-8-061418

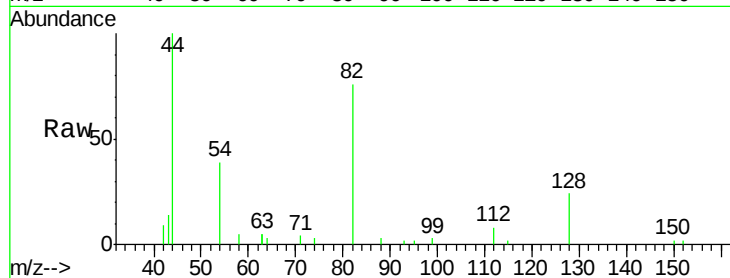
Tgt Ion: 82 Resp: 3434

Ion Ratio Lower Upper

82 100

128 31.9 24.0 36.0

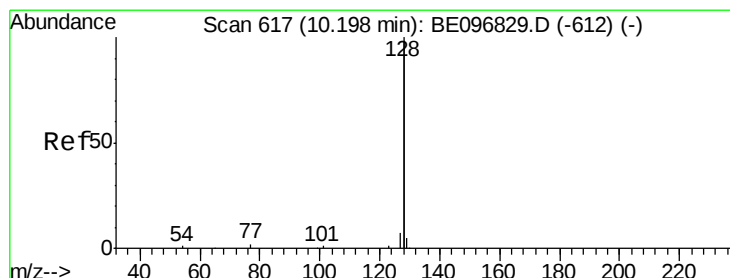
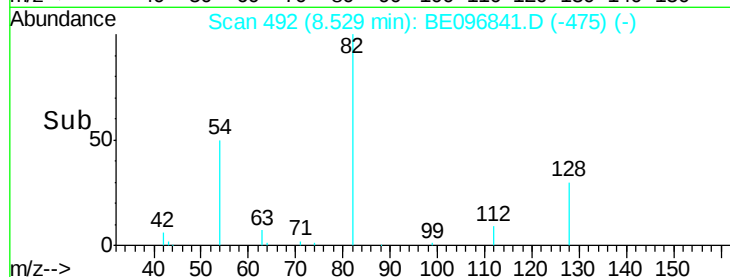
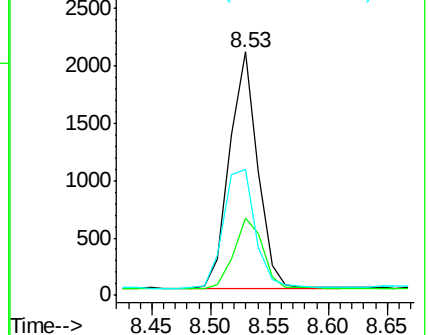
54 51.8 40.0 60.0



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: 0.024 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

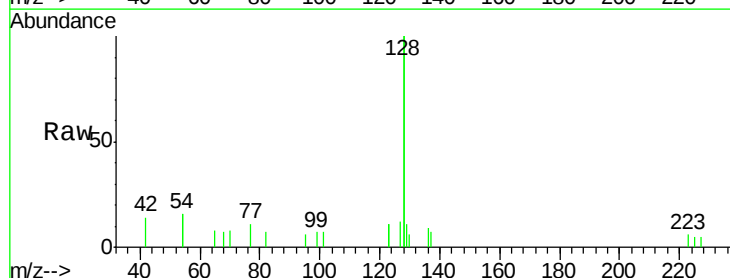
Tgt Ion: 128 Resp: 2722

Ion Ratio Lower Upper

128 100

129 5.3 2.6 3.8#

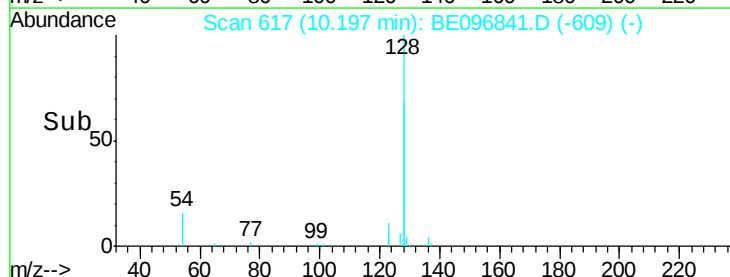
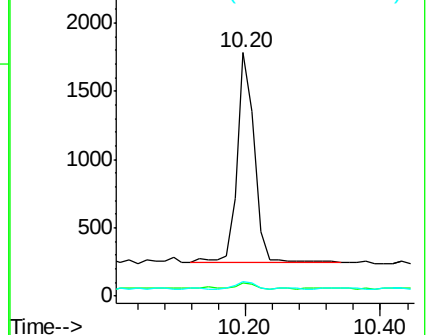
127 6.2 2.8 4.2#

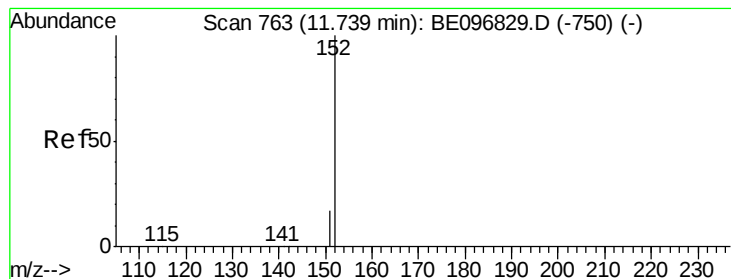


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.401 ng

RT: 11.74 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

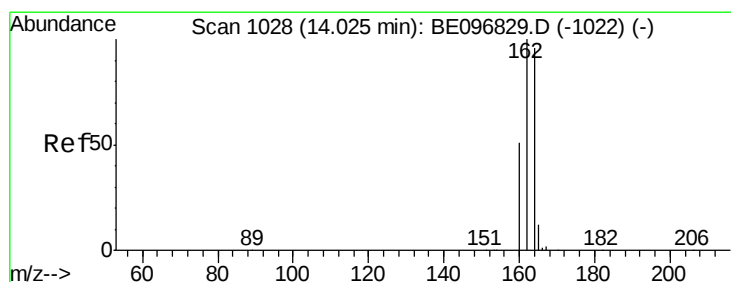
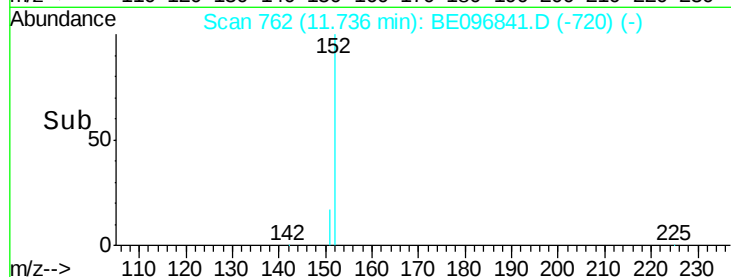
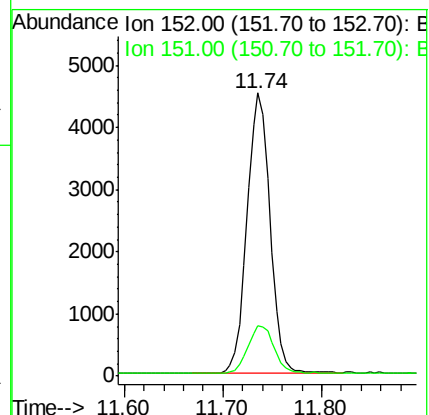
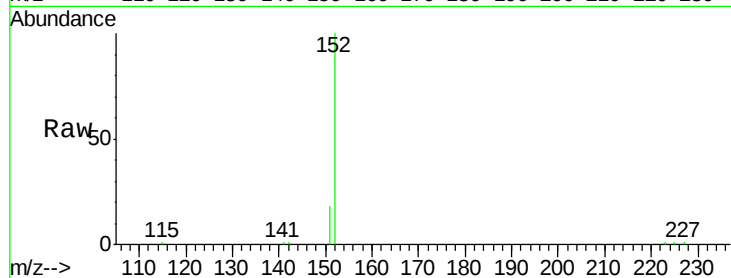
MWHR2-8-061418

Tgt Ion:152 Resp: 7271

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

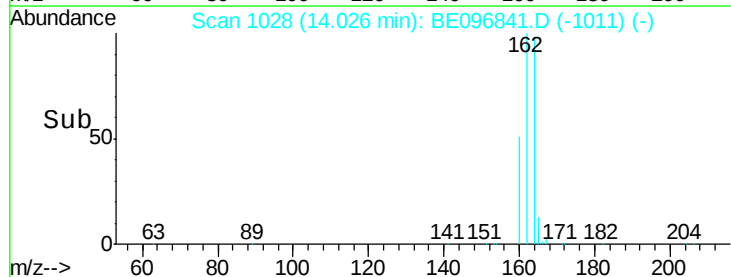
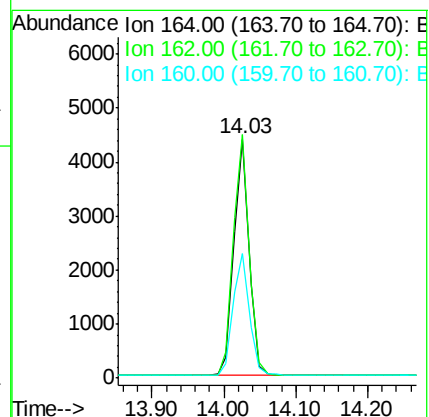
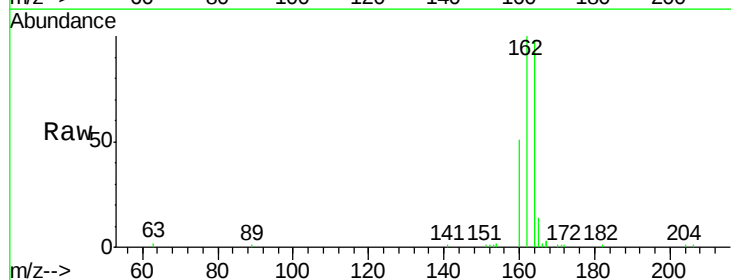
Tgt Ion:164 Resp: 6422

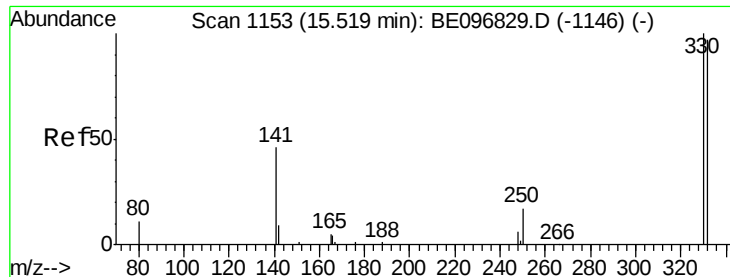
Ion Ratio Lower Upper

164 100

162 101.9 83.1 124.7

160 52.2 37.1 55.7

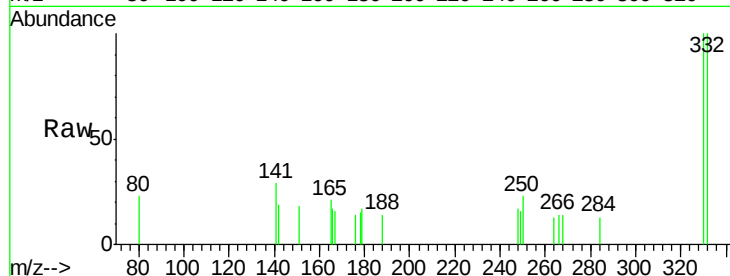




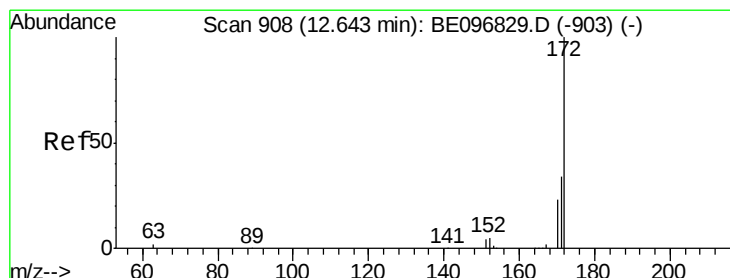
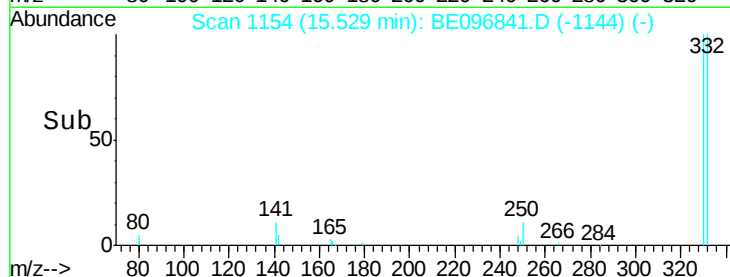
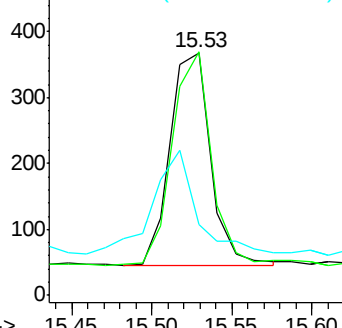
#14  
 2,4,6-Tribromophenol  
 Concen: 0.415 ng  
 RT: 15.53 min Scan# 1154  
 Delta R.T. 0.01 min  
 Lab File: BE096841.D  
 Acq: 21 Jun 2018 12:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MWHR2-8-061418

Tgt Ion: 330 Resp: 564  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 152.7 229.1#  
 141 52.7 33.7 50.5#

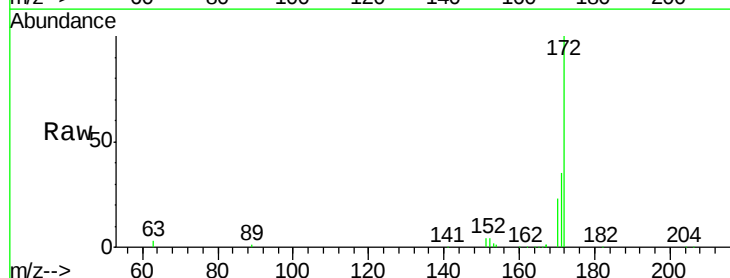


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

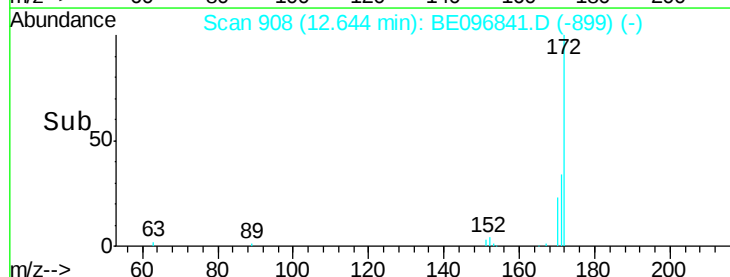
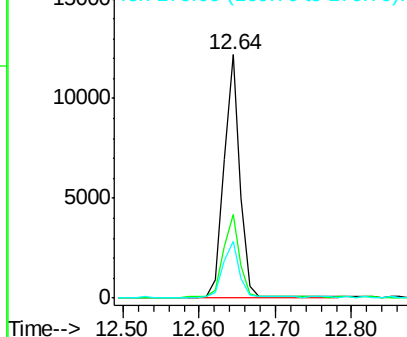


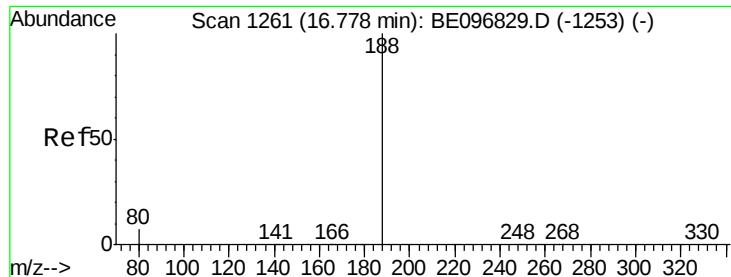
#15  
 2-Fluorobiphenyl  
 Concen: 0.757 ng  
 RT: 12.64 min Scan# 908  
 Delta R.T. 0.00 min  
 Lab File: BE096841.D  
 Acq: 21 Jun 2018 12:34

Tgt Ion: 172 Resp: 17797  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 29.9 44.9  
 170 23.1 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

MWHR2-8-061418

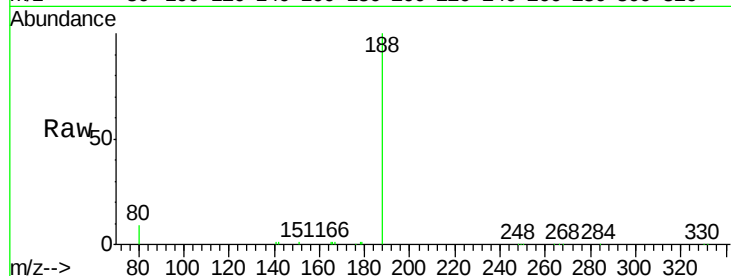
Tgt Ion:188 Resp: 19324

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

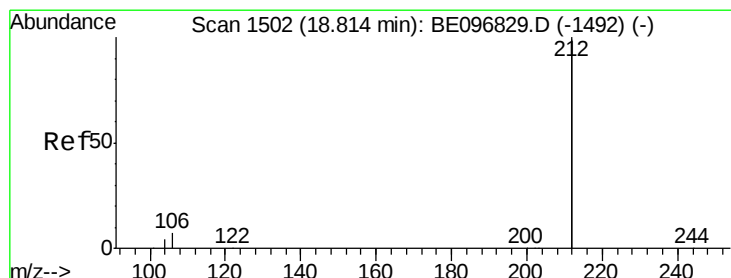
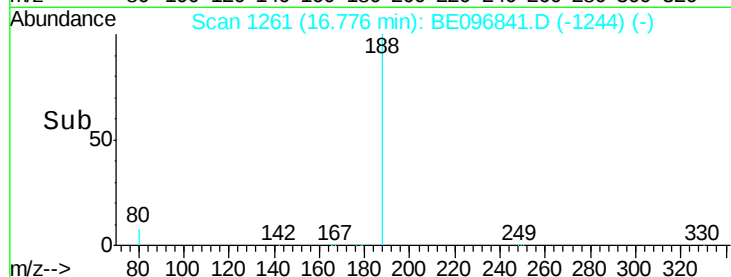
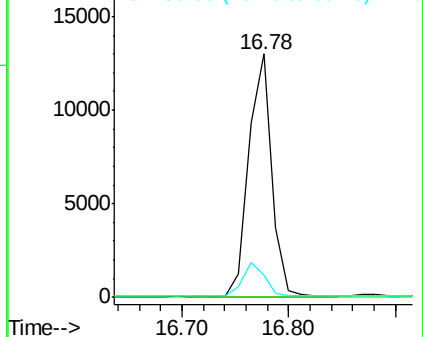
80 8.9 3.6 5.4#



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: 0.535 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

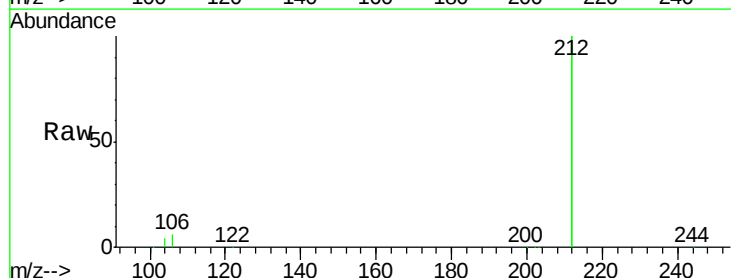
Tgt Ion:212 Resp: 90932

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

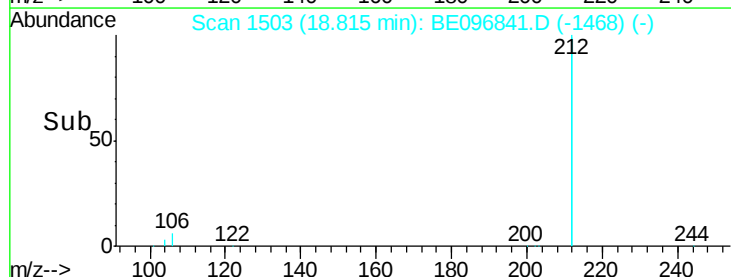
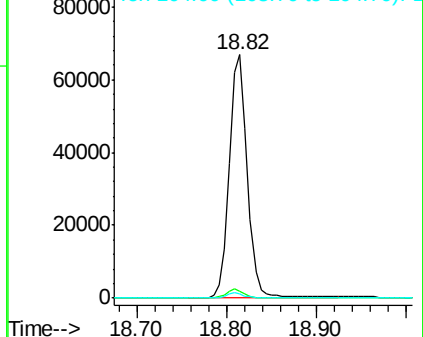
104 2.0 1.6 2.4

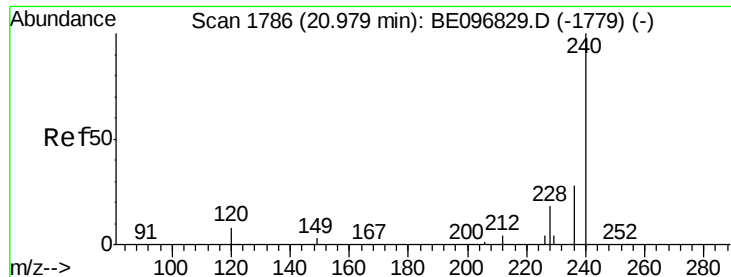


Abundance Ion 212.00 (211.70 to 212.70): E

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: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

MWHR2-8-061418

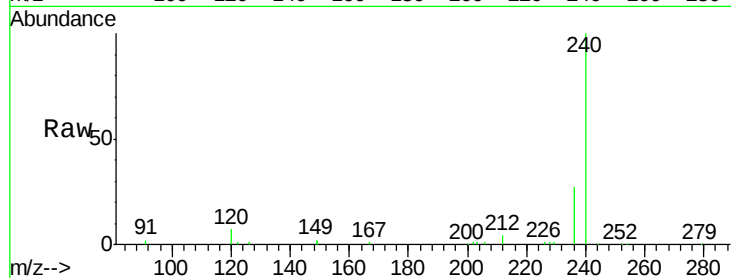
Tgt Ion:240 Resp: 19196

Ion Ratio Lower Upper

240 100

120 7.4 5.5 8.3

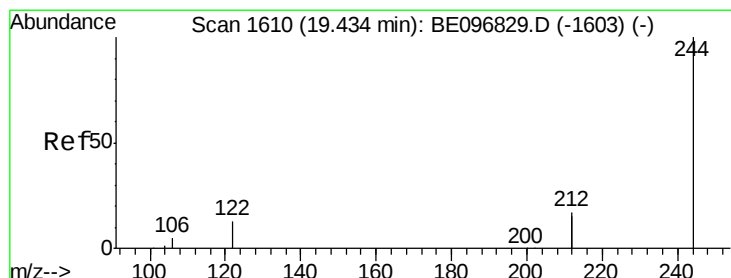
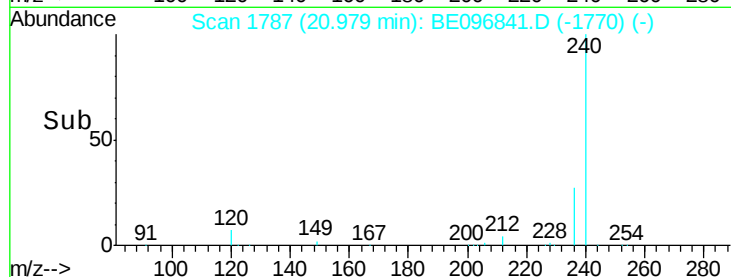
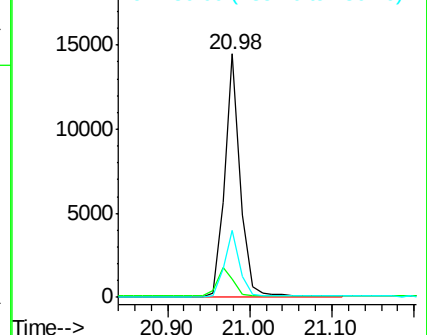
236 27.5 20.7 31.1



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: 0.556 ng

RT: 19.44 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

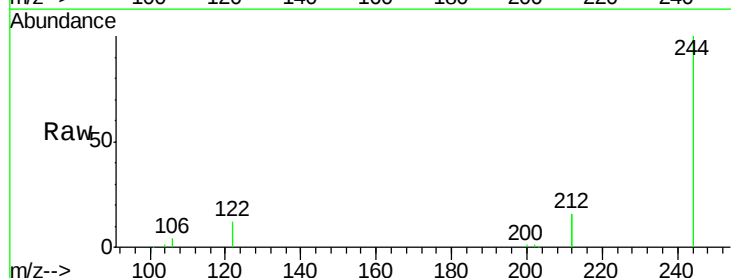
Tgt Ion:244 Resp: 20599

Ion Ratio Lower Upper

244 100

212 31.8 25.4 38.0

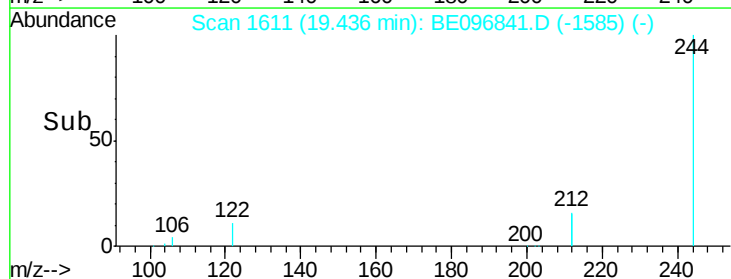
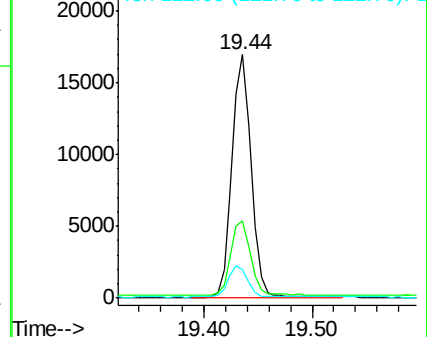
122 11.8 8.1 12.1

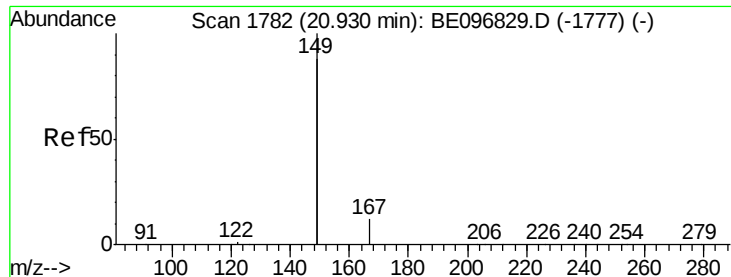


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.060 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

Instrument :

BNA\_E

ClientSampleId :

MWHR2-8-061418

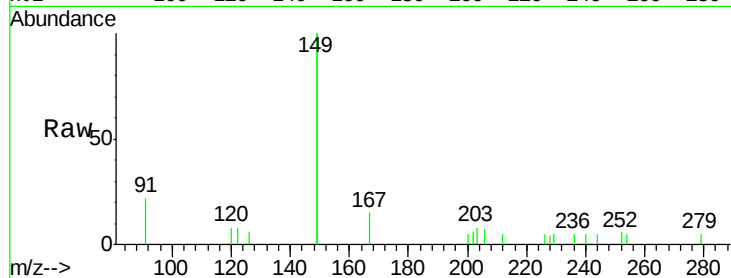
Tgt Ion:149 Resp: 2288

Ion Ratio Lower Upper

149 100

167 6.0 5.4 8.0

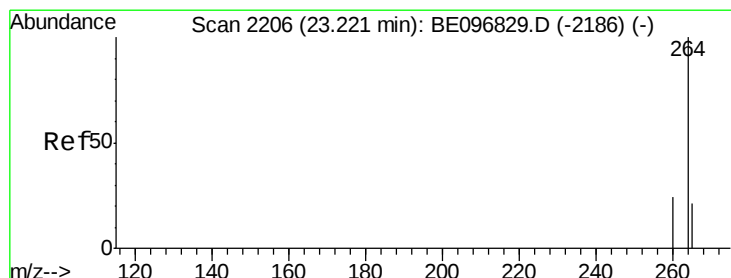
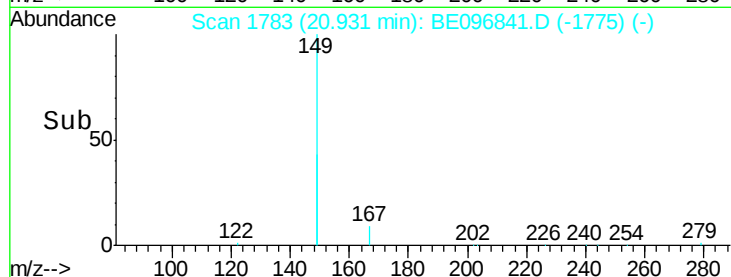
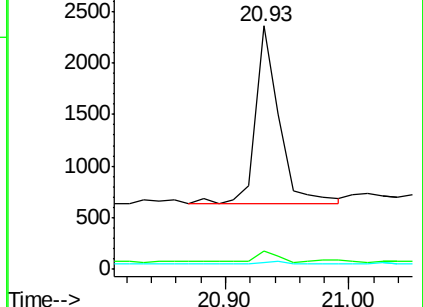
279 1.2 0.7 1.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE096841.D

Acq: 21 Jun 2018 12:34

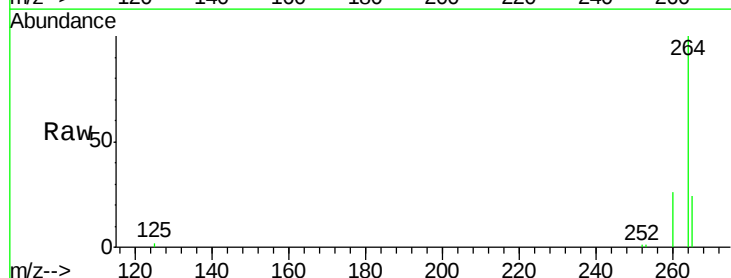
Tgt Ion:264 Resp: 17905

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

265 23.8 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

