

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\  
 Data File : BE096220.D  
 Acq On : 30 Apr 2018 14:10  
 Operator : SJ/JU  
 Sample : J2463-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC50MW002-180417

Quant Time: Apr 30 15:03:30 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 14:27:29 2018  
 Response via : Initial Calibration

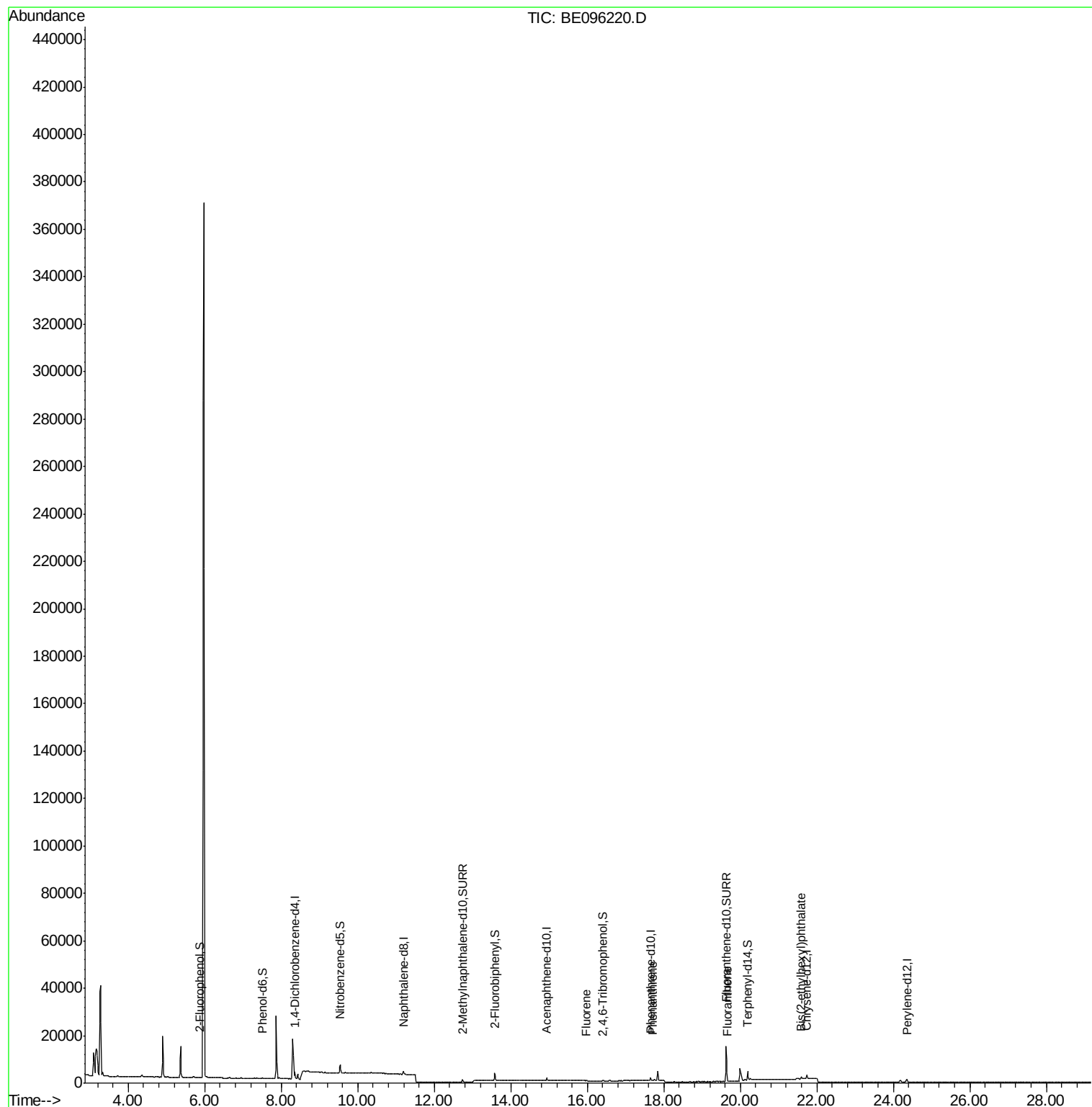
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.36  | 152  | 368      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 11.19 | 136  | 1359     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.94 | 164  | 688      | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.65 | 188  | 1701     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.74 | 240  | 1757     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.35 | 264  | 1609     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.87  | 112  | 69       | 0.06  | ng    | 0.01     |
| 5) Phenol-d6                   | 7.51  | 99   | 183      | 0.12  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.54  | 82   | 1405     | 0.88  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.74 | 152  | 1669     | 0.77  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.41 | 330  | 80       | 0.24  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.57 | 172  | 2771     | 0.94  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.63 | 212  | 19327    | 0.84  | ng    | 0.00     |
| 29) Terphenyl-d14              | 20.19 | 244  | 3113     | 0.80  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 18) Fluorene                   | 15.97 | 166  | 141      | 0.052 | ng    | # 79     |
| 23) Phenanthrene               | 17.70 | 178  | 376      | 0.079 | ng    | # 81     |
| 26) Fluoranthene               | 19.67 | 202  | 248      | 0.039 | ng    | 98       |
| 32) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 1325     | 0.091 | ng    | # 98     |

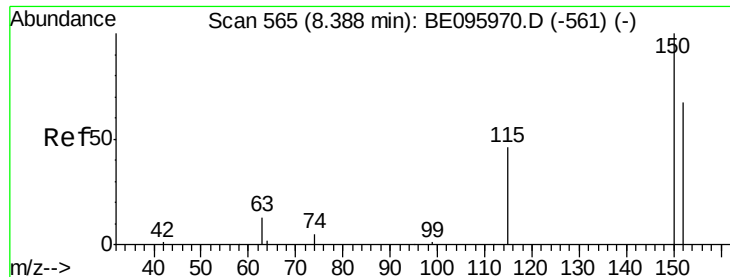
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\  
Data File : BE096220.D  
Acq On : 30 Apr 2018 14:10  
Operator : SJ/JU  
Sample : J2463-08  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
AOC50MW002-180417

Quant Time: Apr 30 15:03:30 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 30 14:27:29 2018  
Response via : Initial Calibration



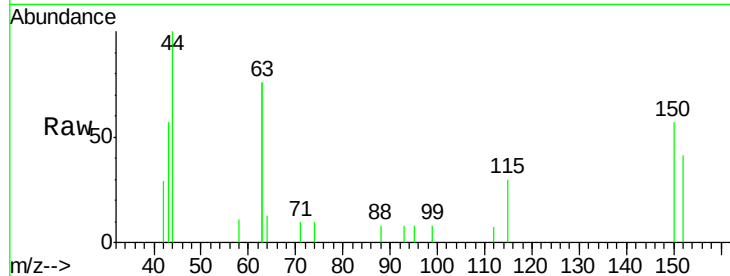


#1

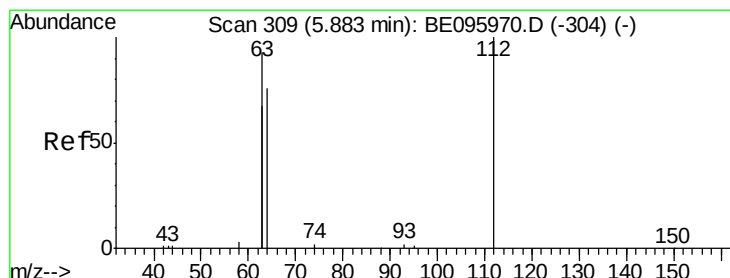
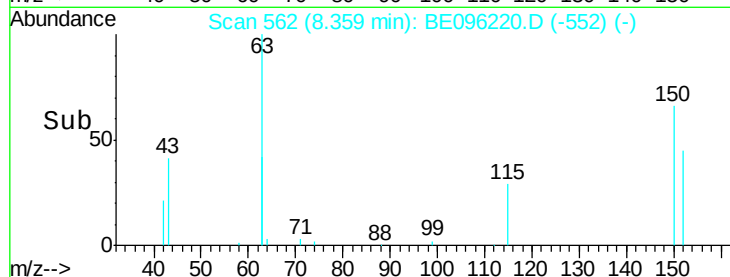
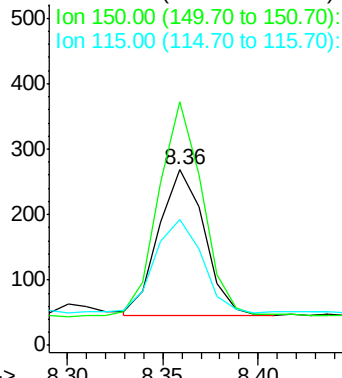
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.36 min Scan# 562  
Delta R.T. 0.00 min  
Lab File: BE096220.D  
Acq: 30 Apr 2018 14:10

Instrument :  
BNA\_E  
ClientSampleId :  
AOC50MW002-180417

Tot Ion:152 Resp: 368  
Ion Ratio Lower Upper  
152 100  
150 138.8 117.2 175.8  
115 72.0 57.0 85.6



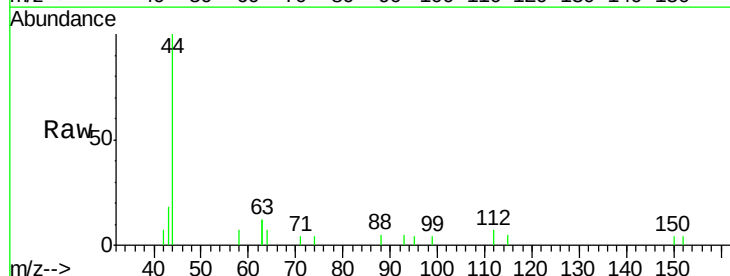
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



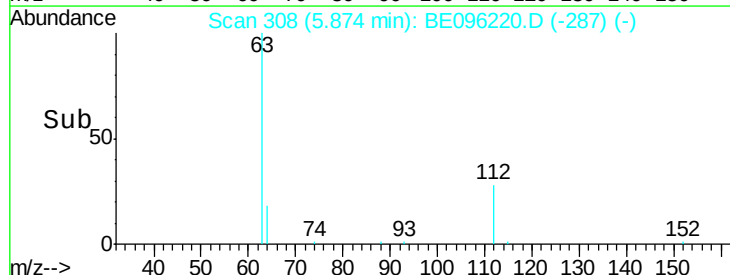
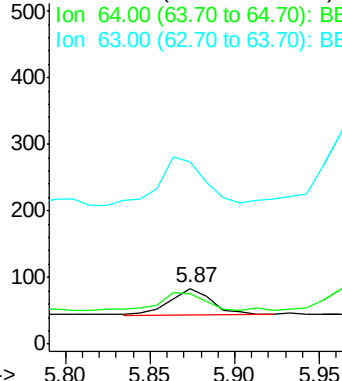
#4

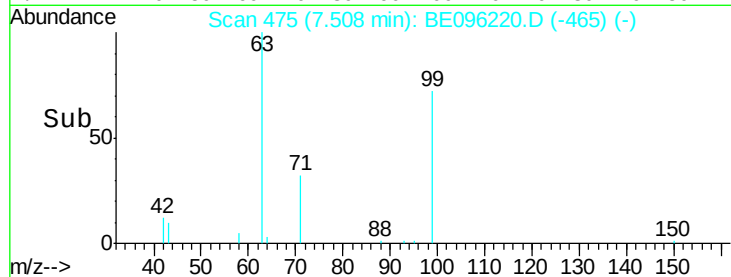
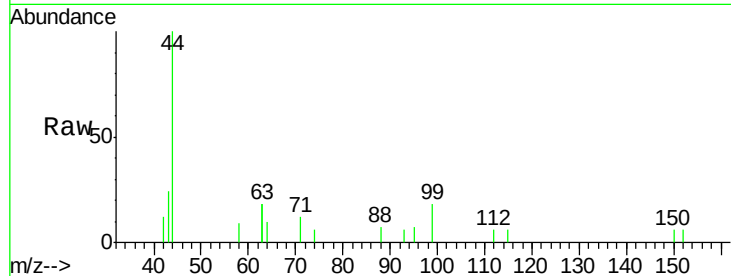
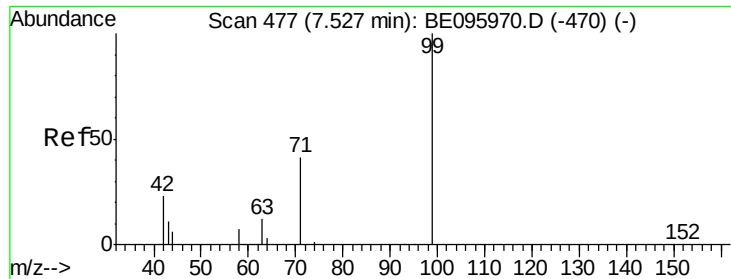
2-Fluorophenol  
Concen: 0.061 ng  
RT: 5.87 min Scan# 308  
Delta R.T. 0.01 min  
Lab File: BE096220.D  
Acq: 30 Apr 2018 14:10

Tgt Ion:112 Resp: 69  
Ion Ratio Lower Upper  
112 100  
64 75.4 60.1 90.1  
63 198.6 116.8 175.2#



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: 0.117 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

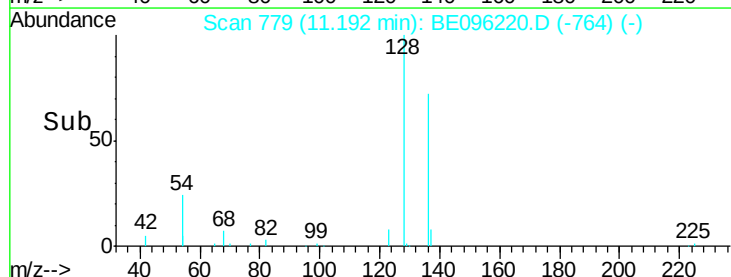
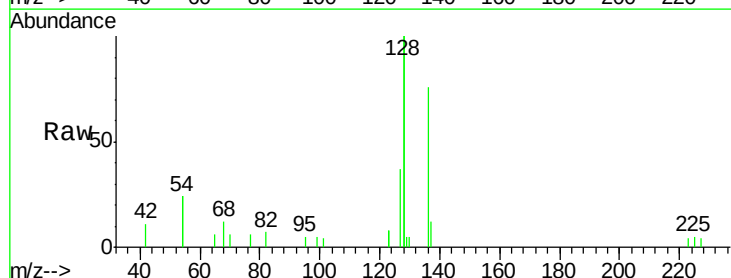
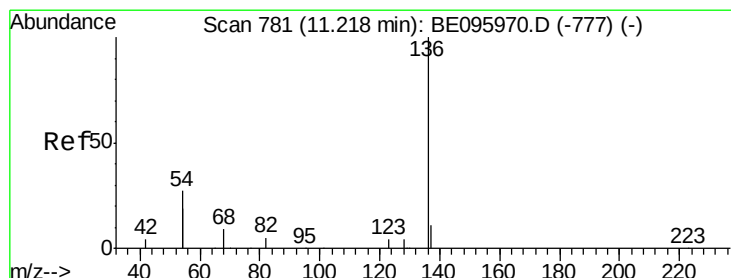
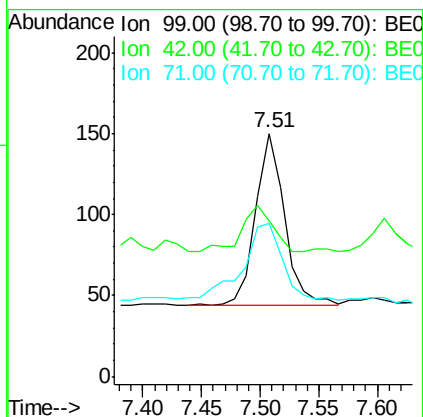
Tot Ion: 99 Resp: 183

Ion Ratio Lower Upper

99 100

42 27.9 20.2 30.2

71 61.7 28.4 42.6#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Tgt Ion: 136 Resp: 1359

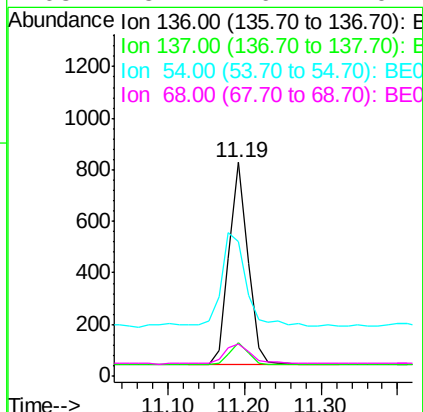
Ion Ratio Lower Upper

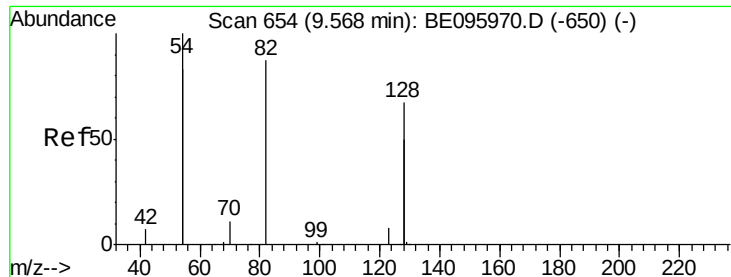
136 100

137 15.4 9.5 14.3#

54 62.7 29.1 43.7#

68 15.2 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.881 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

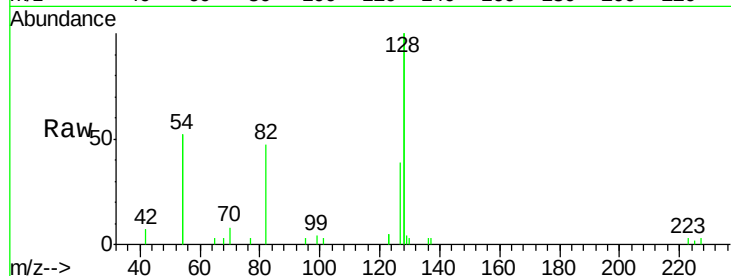
Tot Ion: 82 Resp: 1405

Ion Ratio Lower Upper

82 100

128 425.3 150.0 225.0#

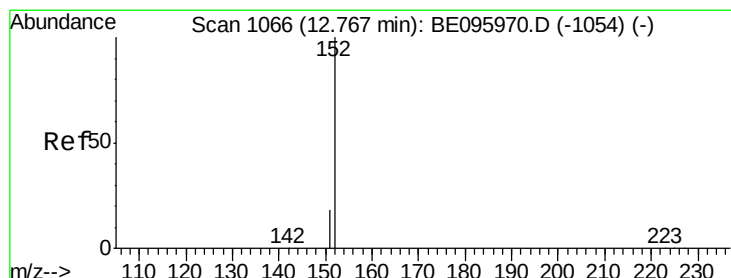
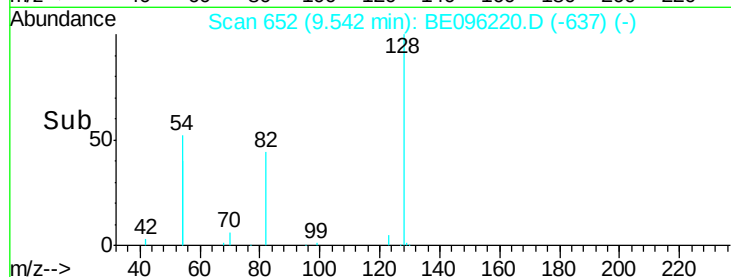
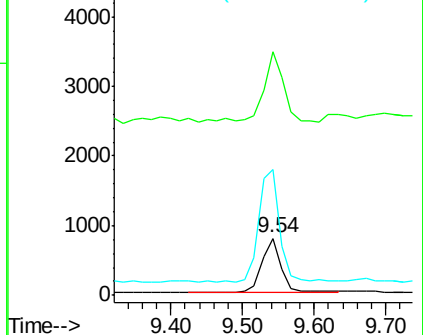
54 219.5 154.2 231.4



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



#11

2-Methylnaphthalene-d10

Concen: 0.775 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096220.D

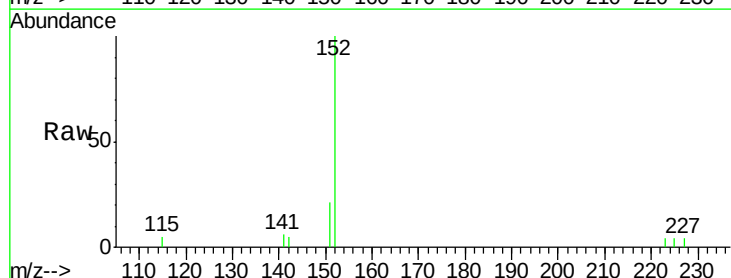
Acq: 30 Apr 2018 14:10

Tgt Ion: 152 Resp: 1669

Ion Ratio Lower Upper

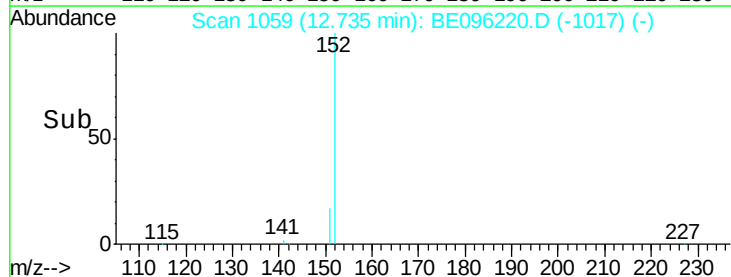
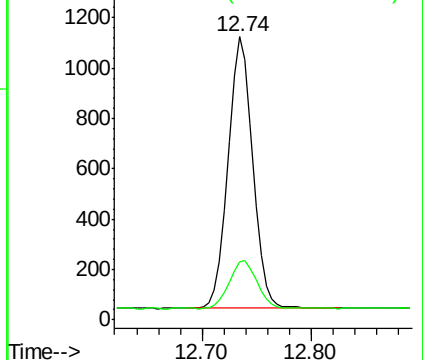
152 100

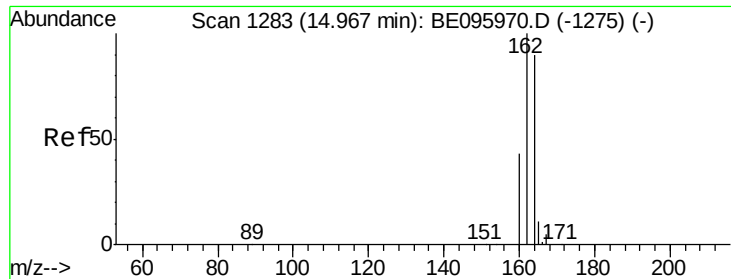
151 20.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

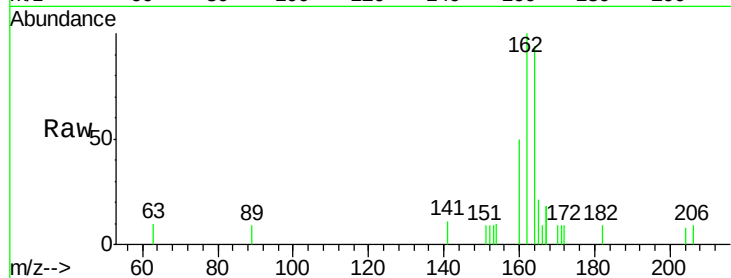
Tot Ion:164 Resp: 688

Ion Ratio Lower Upper

164 100

162 106.6 83.1 124.7

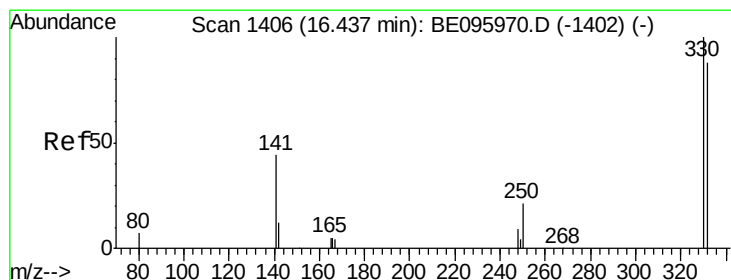
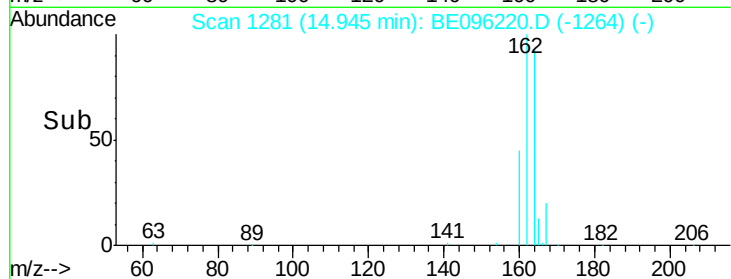
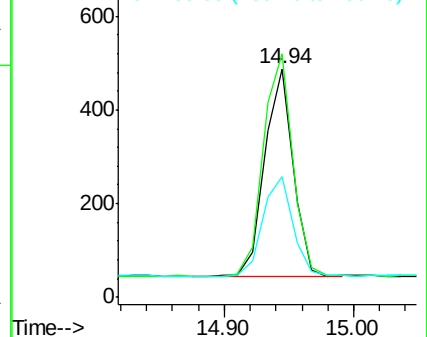
160 52.9 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.241 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

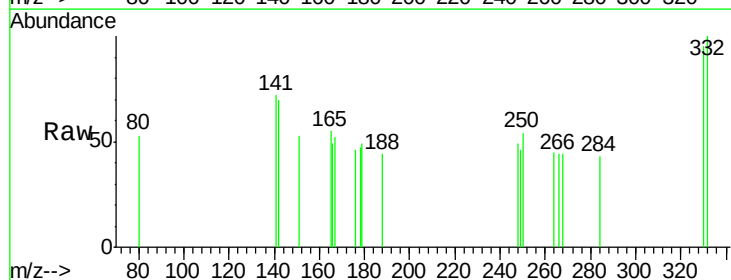
Tgt Ion:330 Resp: 80

Ion Ratio Lower Upper

330 100

332 113.8 152.7 229.1#

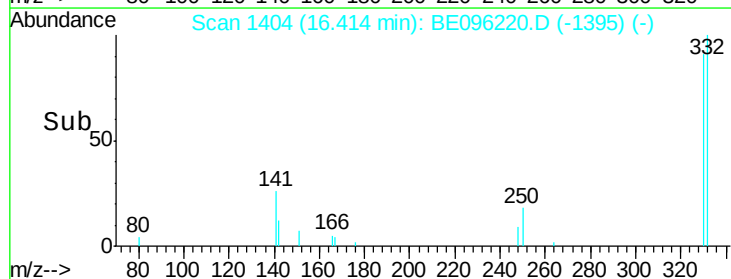
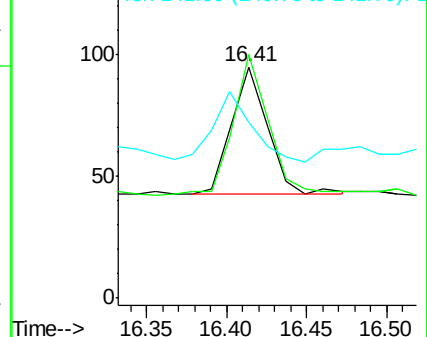
141 60.0 33.7 50.5#

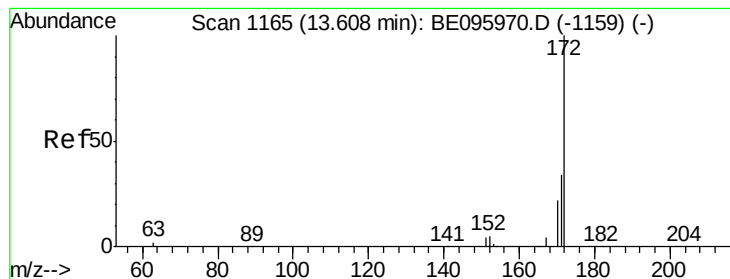


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.941 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

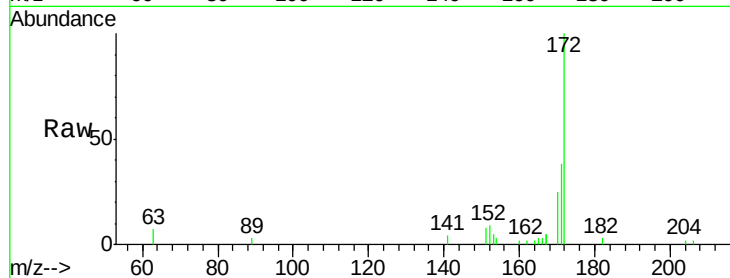
Tot Ion:172 Resp: 2771

Ion Ratio Lower Upper

172 100

171 38.0 29.9 44.9

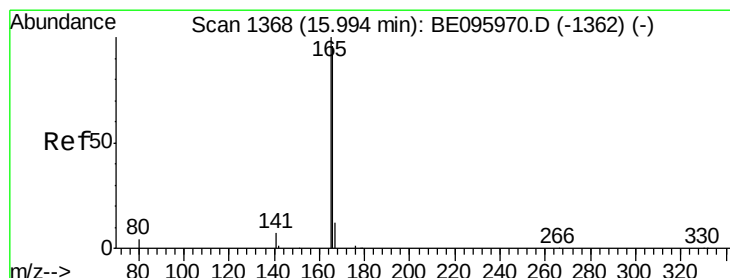
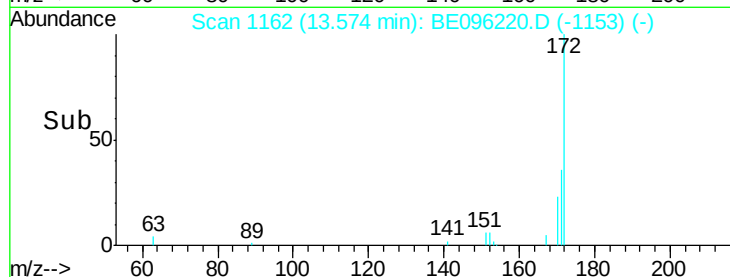
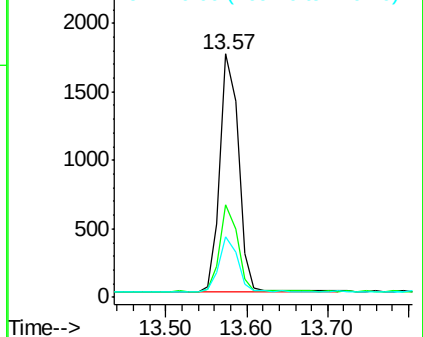
170 25.0 21.8 32.8



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



#18

Fluorene

Concen: 0.052 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

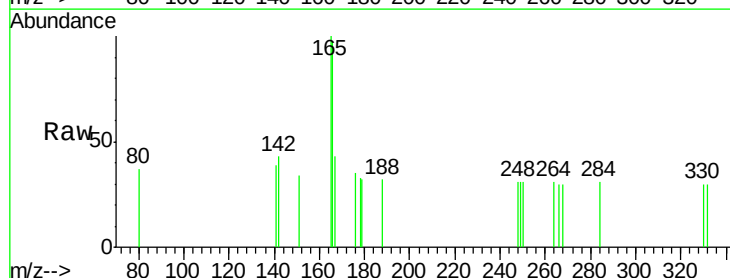
Tgt Ion:166 Resp: 141

Ion Ratio Lower Upper

166 100

165 105.0 77.8 116.6

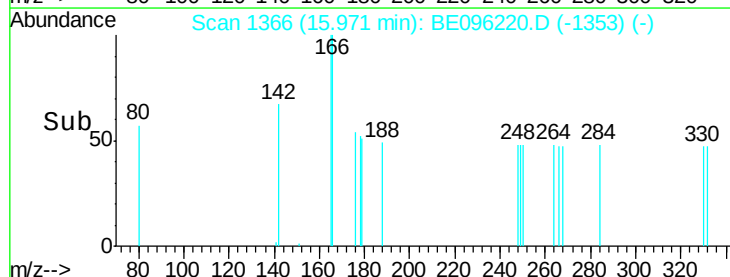
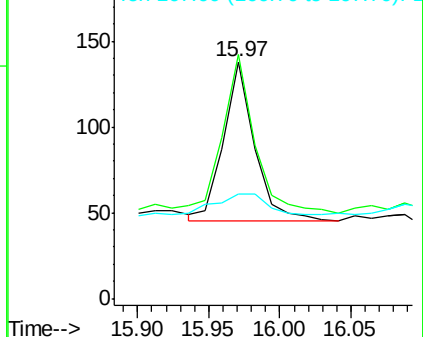
167 21.3 42.4 63.6#

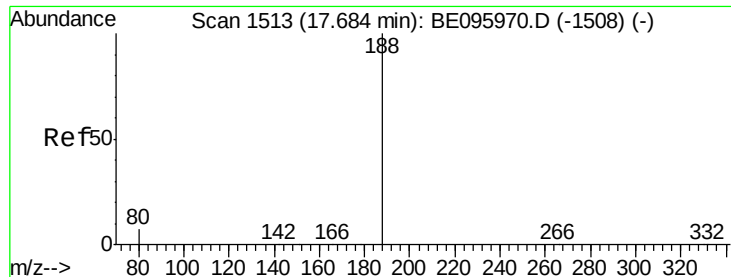


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

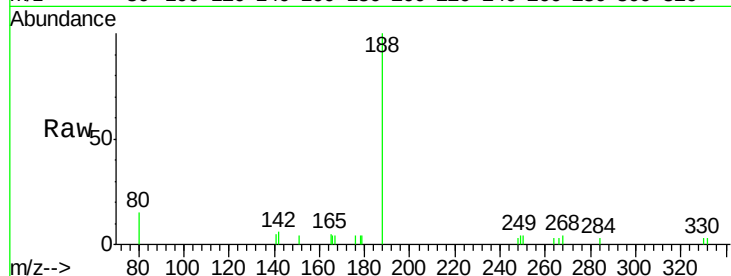
Tot Ion:188 Resp: 1701

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

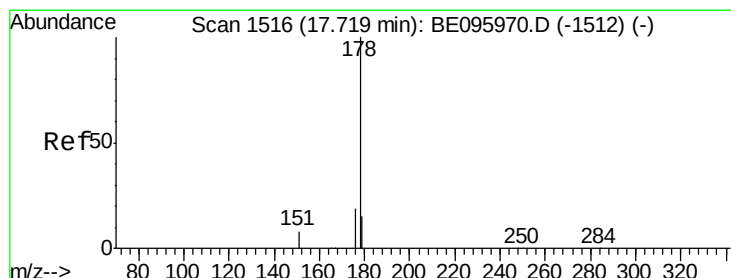
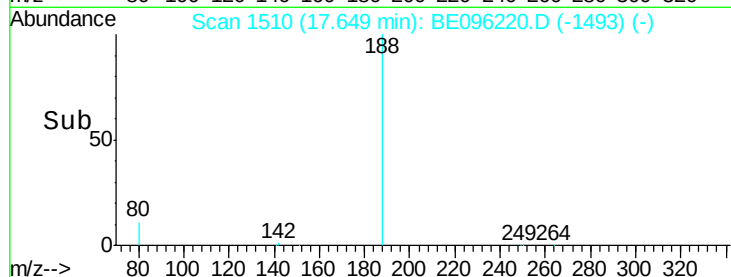
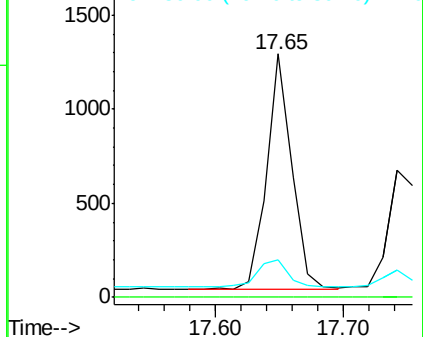
80 15.3 3.6 5.4#



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



#23

Phenanthrene

Concen: 0.079 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

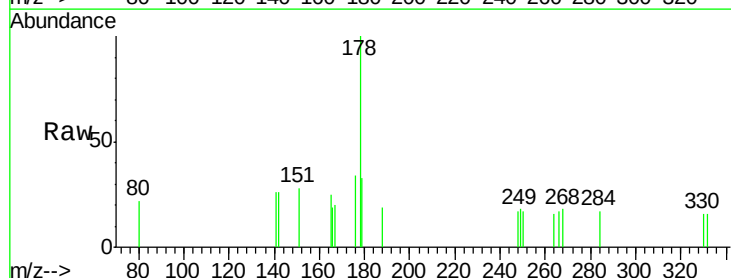
Tgt Ion:178 Resp: 376

Ion Ratio Lower Upper

178 100

176 21.3 15.1 22.7

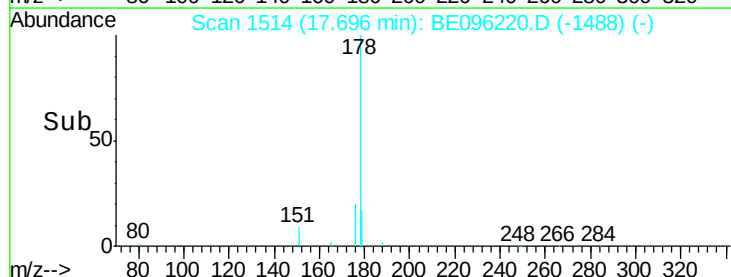
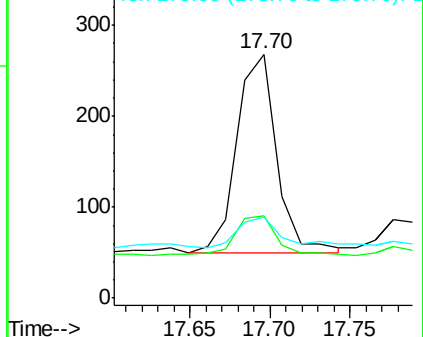
179 0.0 11.8 17.6#



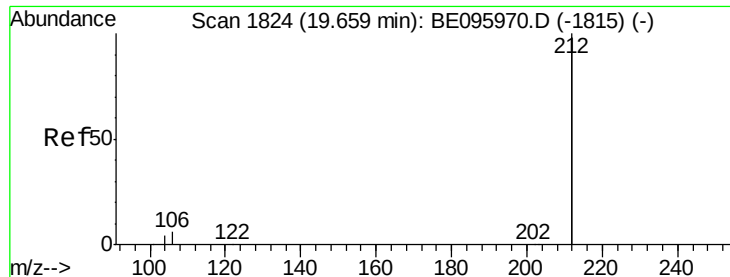
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#25

Fluoranthene-d10

Concen: 0.837 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

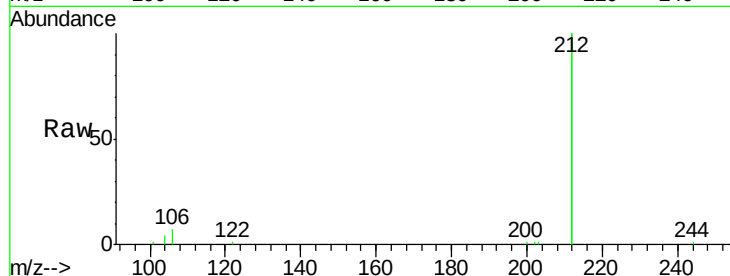
Tot Ion:212 Resp: 19327

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

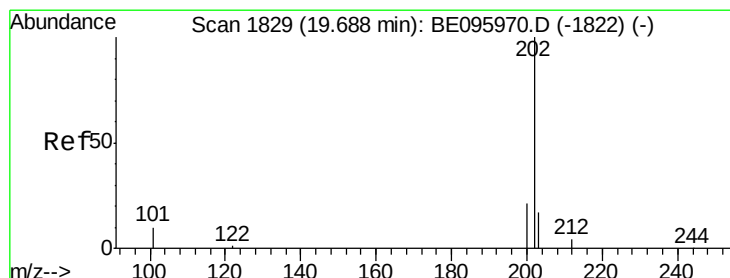
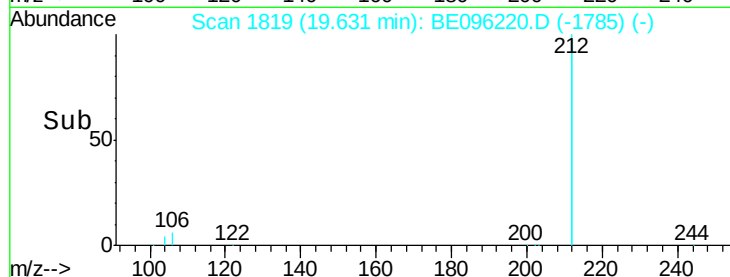
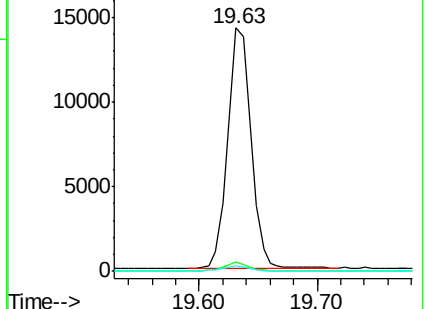
104 1.8 1.6 2.4



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



#26

Fluoranthene

Concen: 0.039 ng

RT: 19.67 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

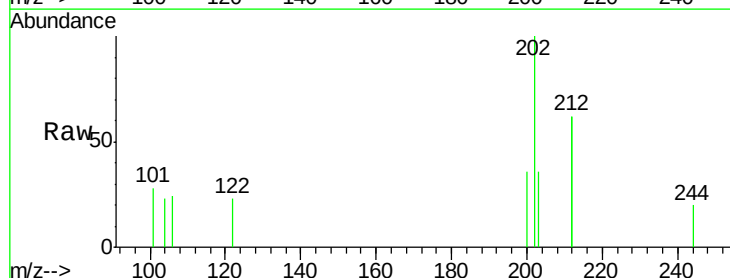
Tgt Ion:202 Resp: 248

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

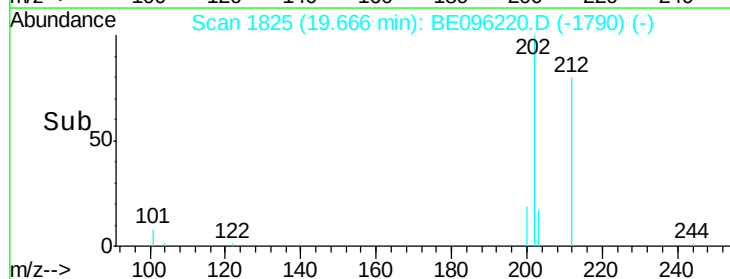
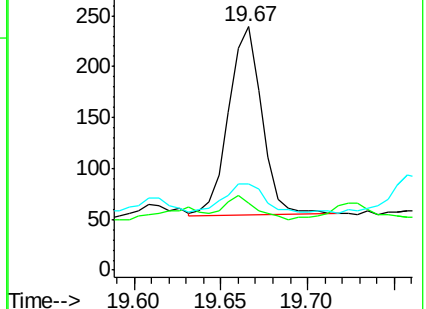
203 17.7 13.7 20.5

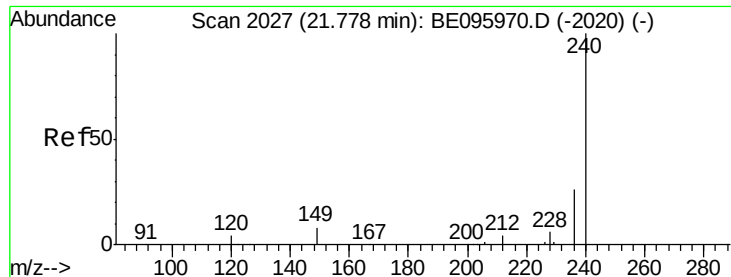


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

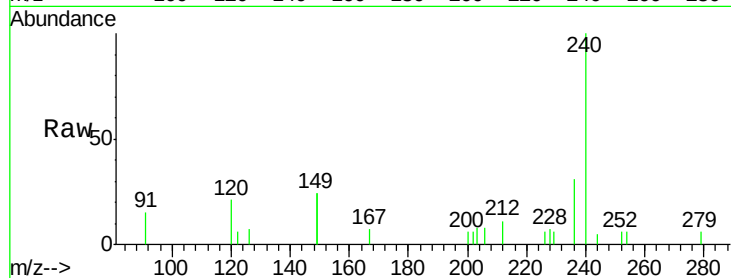
Tot Ion:240 Resp: 1757

Ion Ratio Lower Upper

240 100

120 20.7 5.5 8.3#

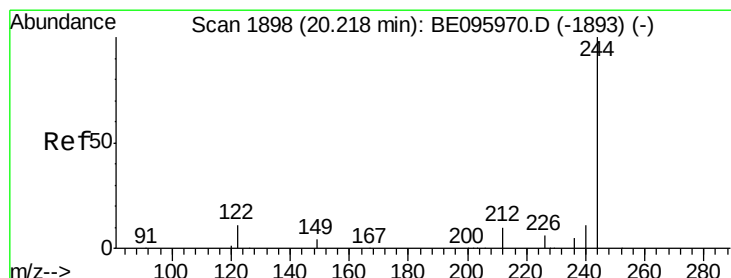
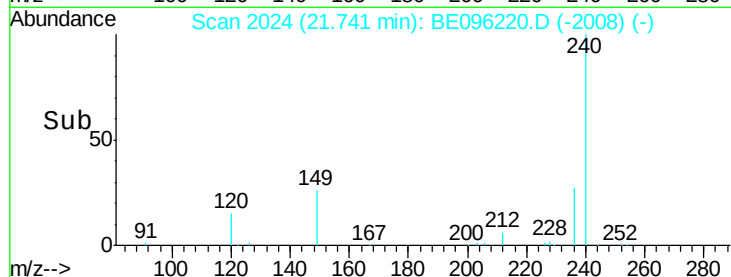
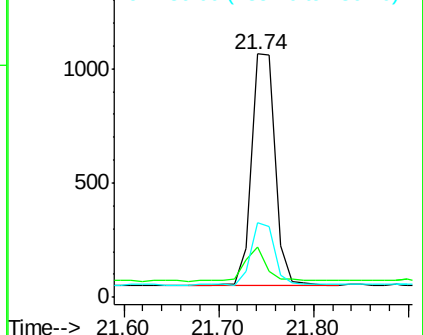
236 30.8 20.7 31.1



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: 0.802 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

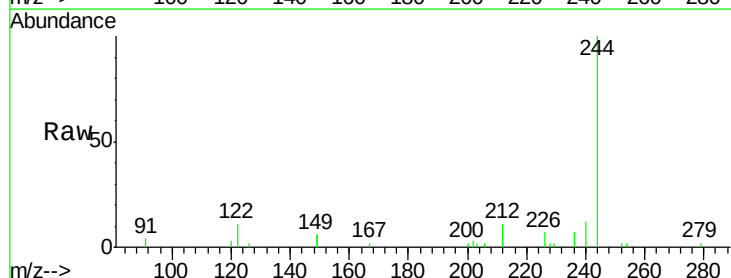
Tgt Ion:244 Resp: 3113

Ion Ratio Lower Upper

244 100

212 11.2 25.4 38.0#

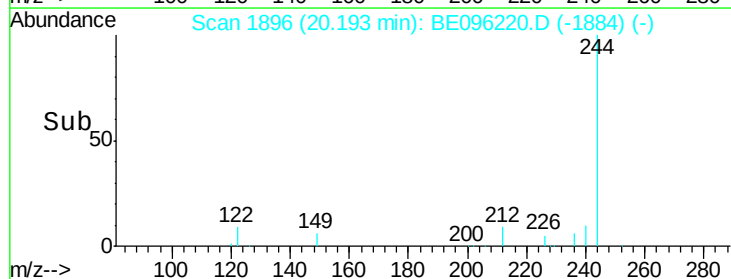
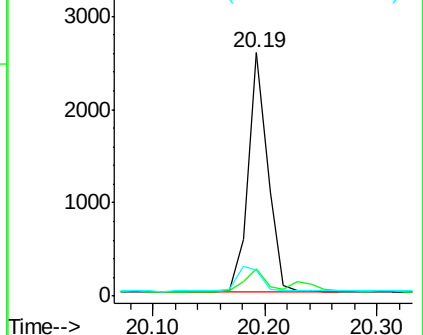
122 10.9 8.1 12.1

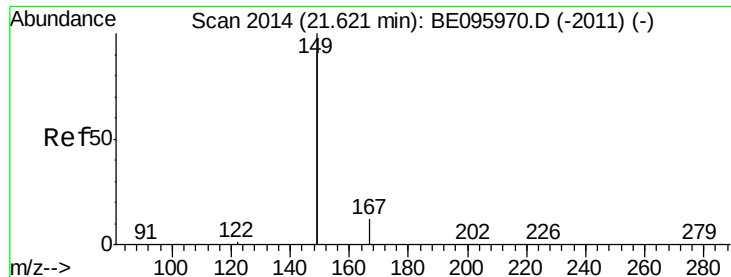


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.091 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

AOC50MW002-180417

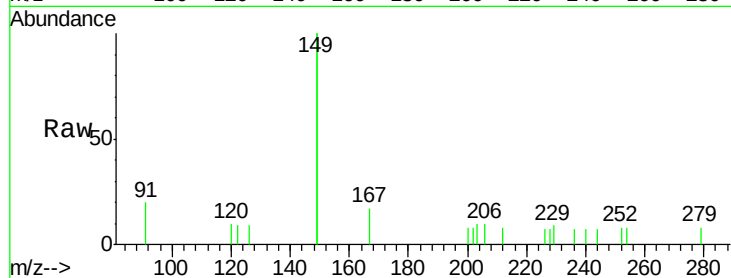
Tot Ion:149 Resp: 1325

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

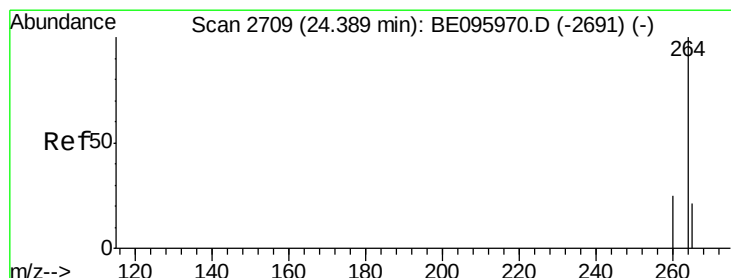
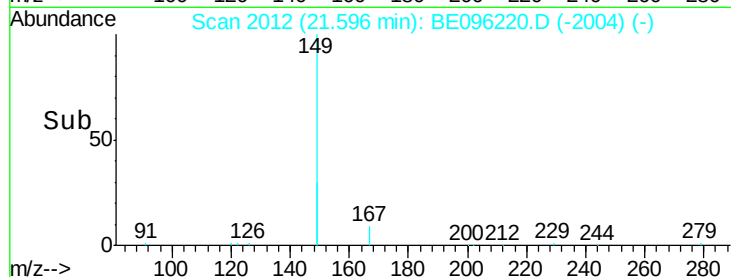
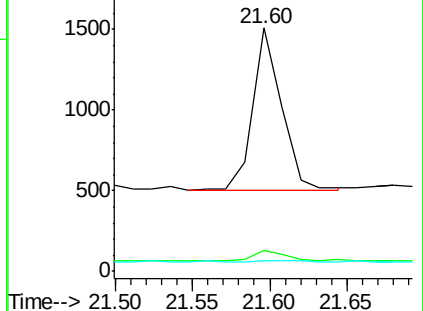
279 1.3 0.7 1.1#



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: 24.35 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE096220.D

Acq: 30 Apr 2018 14:10

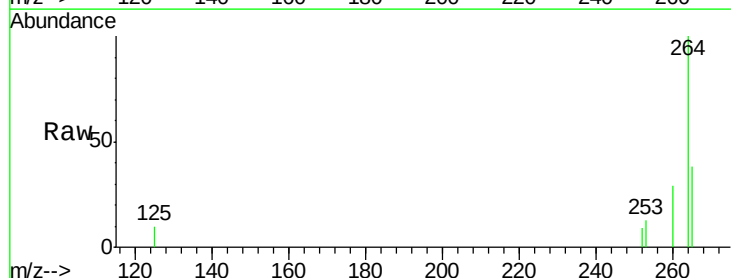
Tgt Ion:264 Resp: 1609

Ion Ratio Lower Upper

264 100

260 28.7 20.5 30.7

265 38.2 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

