

Data Path : Z:\HPCHEM1\BNA E\Data\BE022318\  
 Data File : BE095680.D  
 Acq On : 23 Feb 2018 13:19  
 Operator : SJ/JU  
 Sample : J1627-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Feb 23 15:55:56 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 12:12:42 2018  
 Response via : Initial Calibration

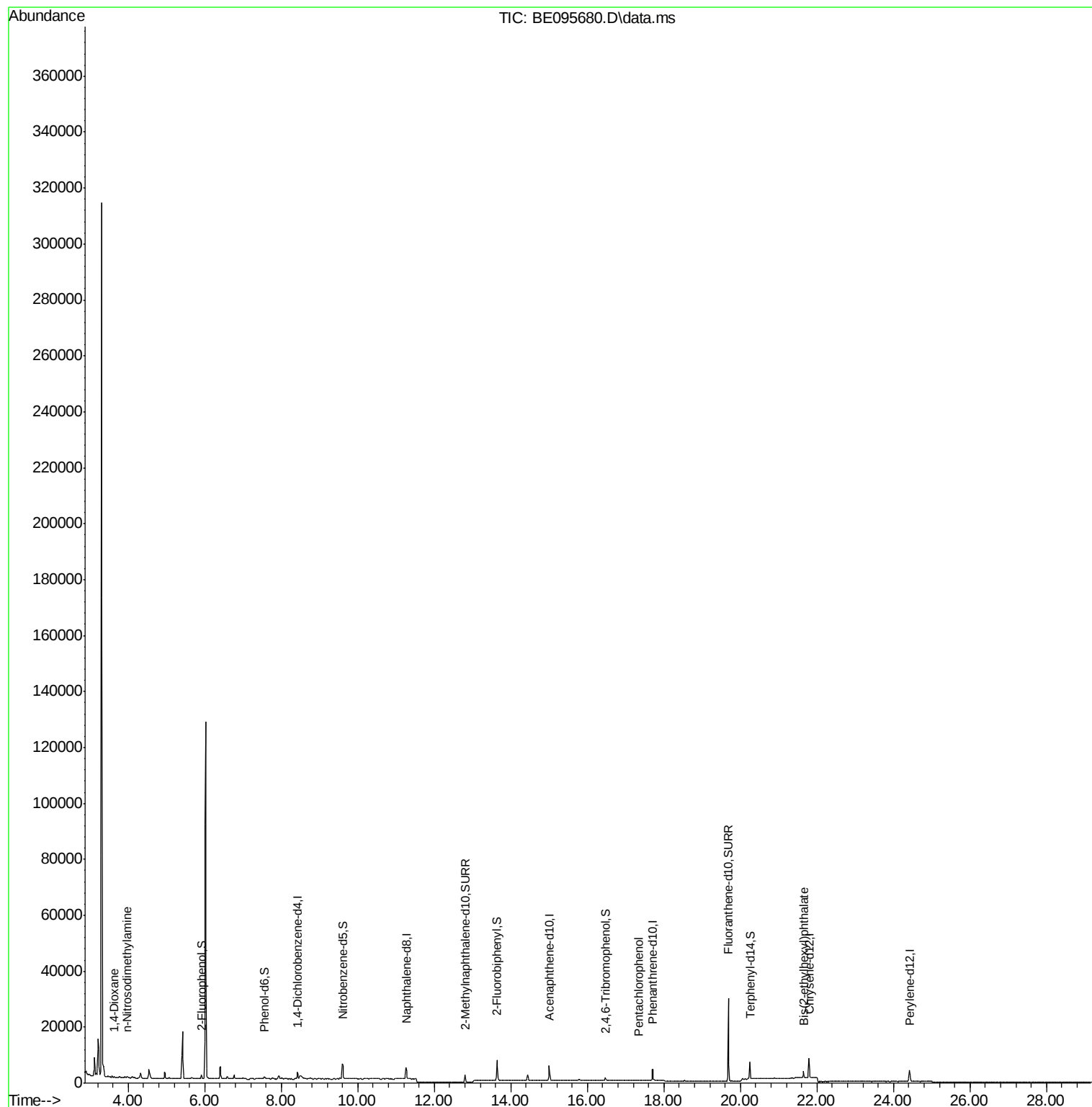
| Internal Standards            | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.424  | 152  | 1268     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 11.259 | 136  | 4968     | 0.40 | ng    | -0.02    |
| 13) Acenaphthene-d10          | 15.000 | 164  | 2961     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.713 | 188  | 6921     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12              | 21.792 | 240  | 7130     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12              | 24.425 | 264  | 6504     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.918  | 112  | 760      | 0.23 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.555  | 99   | 648      | 0.14 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.597  | 82   | 2268     | 0.44 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10   | 12.805 | 152  | 3610     | 0.43 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.472 | 330  | 497      | 0.47 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.637 | 172  | 7371     | 0.56 | ng    | 0.00     |
| 25) Fluoranthene-d10          | 19.686 | 212  | 36496    | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14             | 20.252 | 244  | 7987     | 0.56 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.640  | 88   | 79       | 0.04 | ng    | # 1      |
| 3) n-Nitrosodimethylamine     | 3.967  | 42   | 76       | 0.03 | ng    | # 1      |
| 22) Pentachlorophenol         | 17.354 | 266  | 16       | 0.19 | ng    | 93       |
| 32) Bis(2-ethylhexyl)phtha... | 21.652 | 149  | 3268     | 0.08 | ng    | 100      |

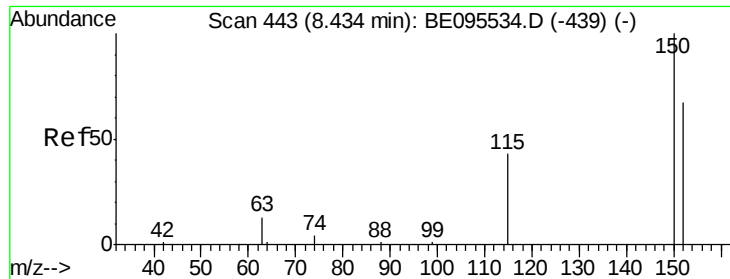
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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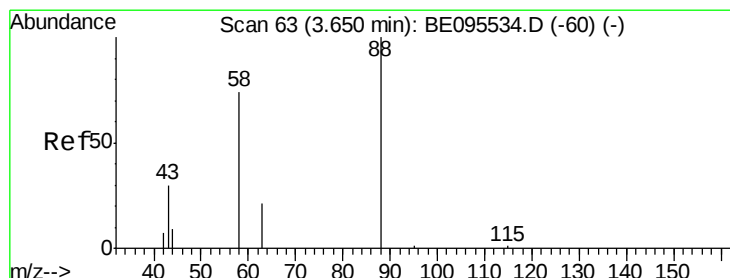
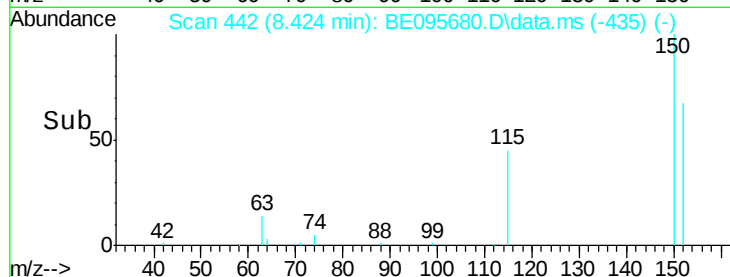
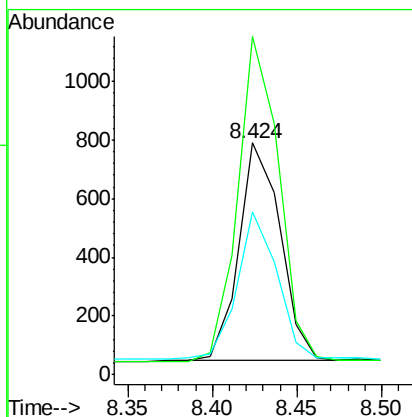
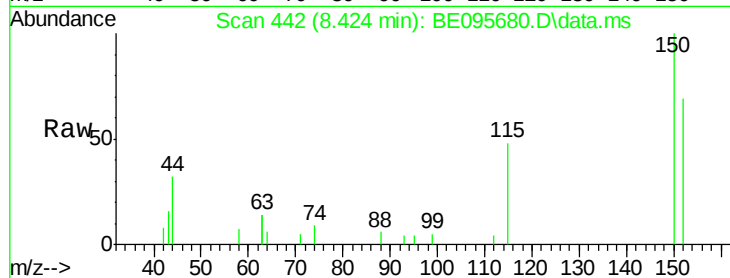




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 8.424 min Scan# 44  
 Delta R.T. -0.010 min  
 Lab File: BE095680.D  
 Acq: 23 Feb 2018 13:19

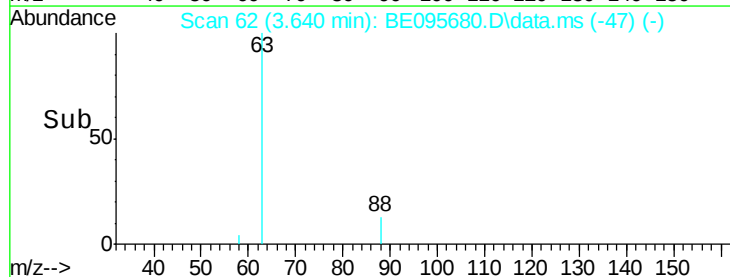
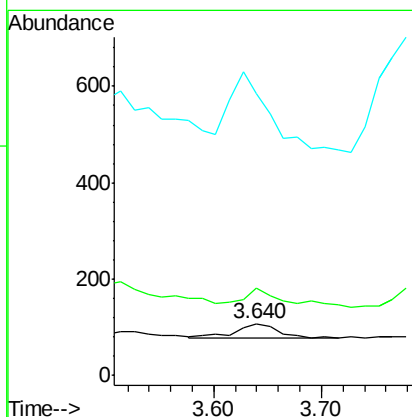
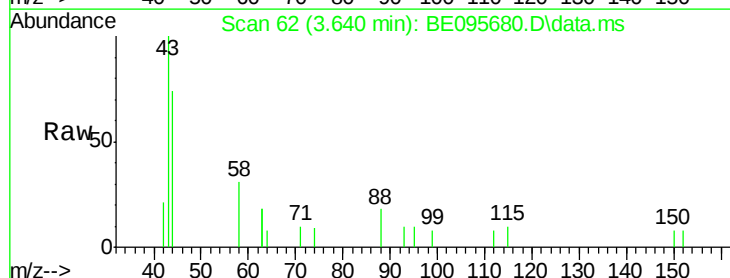
Instrument :  
 BNA\_E  
 ClientSampleId :

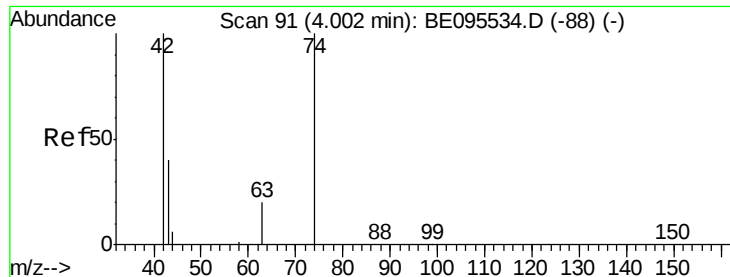
Tot Ion:152 Resp: 1268  
 Ion Ratio Lower Upper  
 152 100  
 150 145.9 117.2 175.8  
 115 70.0 57.0 85.6



#2  
 1,4-Dioxane  
 Concen: 0.04 ng  
 RT: 3.640 min Scan# 62  
 Delta R.T. -0.010 min  
 Lab File: BE095680.D  
 Acq: 23 Feb 2018 13:19

Tgt Ion: 88 Resp: 79  
 Ion Ratio Lower Upper  
 88 100  
 58 139.2 63.2 94.8#  
 43 487.3 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.967 min Scan# 88

Delta R.T. -0.035 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

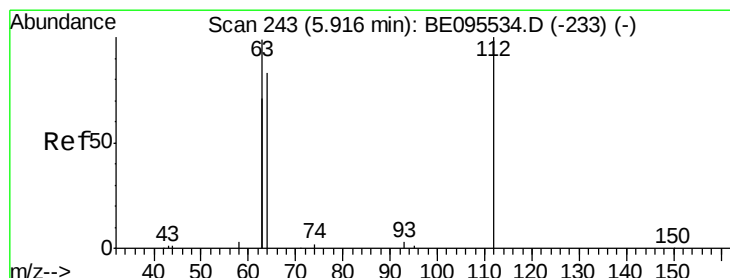
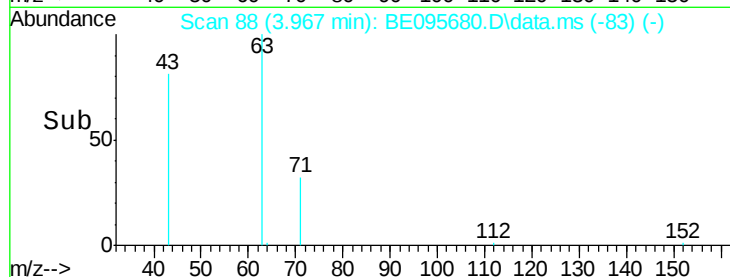
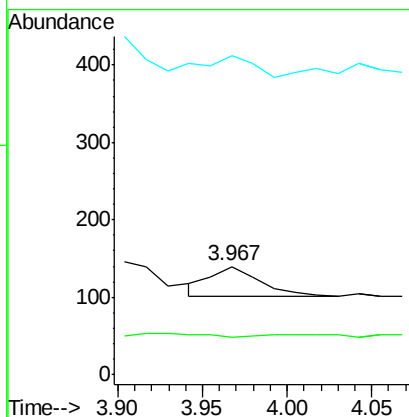
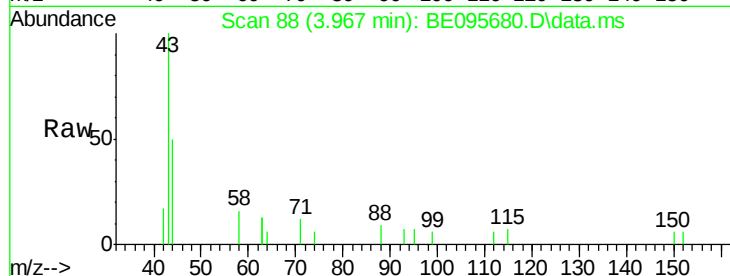
Tot Ion: 42 Resp: 76

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

44 80.3 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.23 ng

RT: 5.918 min Scan# 243

Delta R.T. 0.003 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

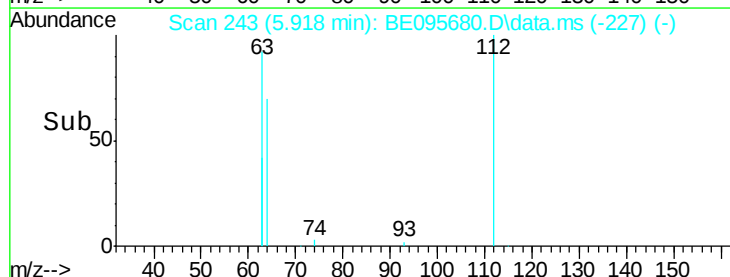
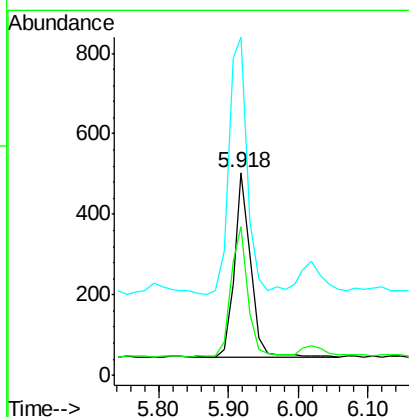
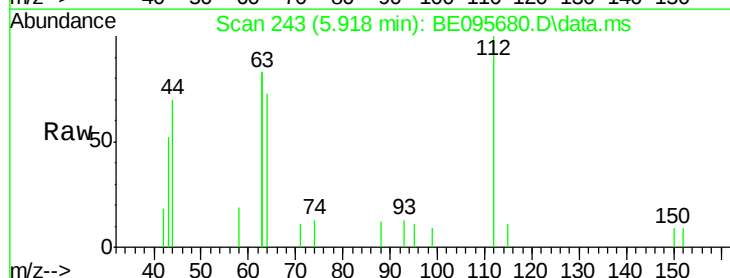
Tgt Ion: 112 Resp: 760

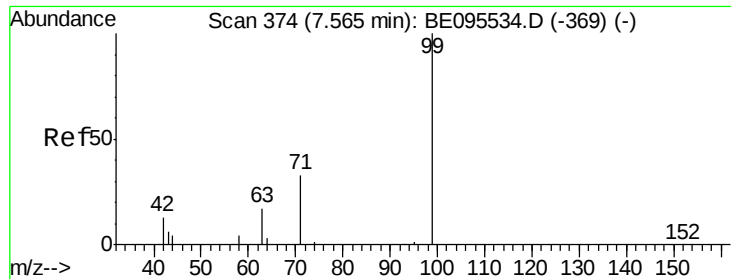
Ion Ratio Lower Upper

112 100

64 74.3 60.1 90.1

63 159.1 116.8 175.2





#5

Phenol-d6

Concen: 0.14 ng

RT: 7.555 min Scan# 37

Delta R.T. 0.003 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

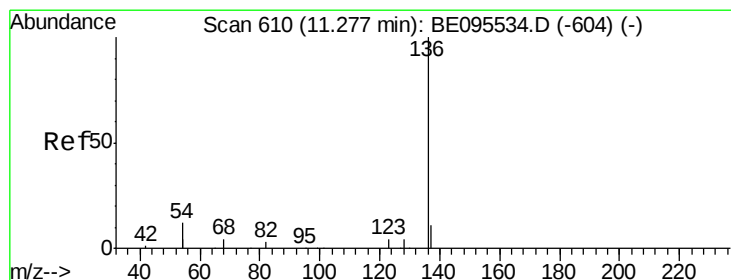
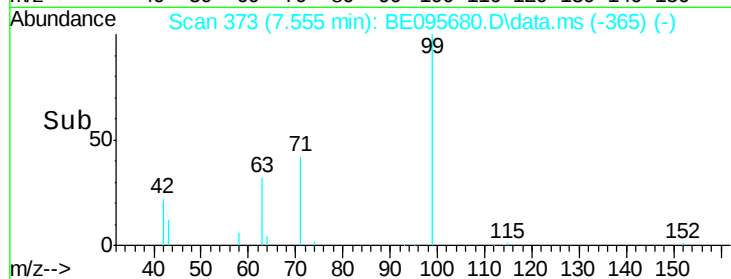
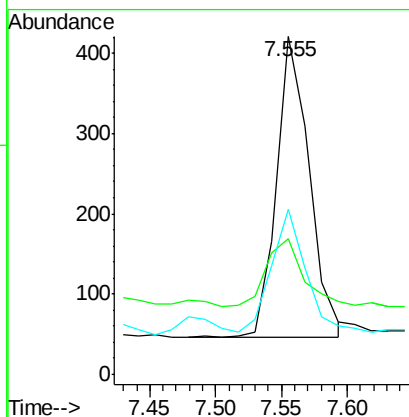
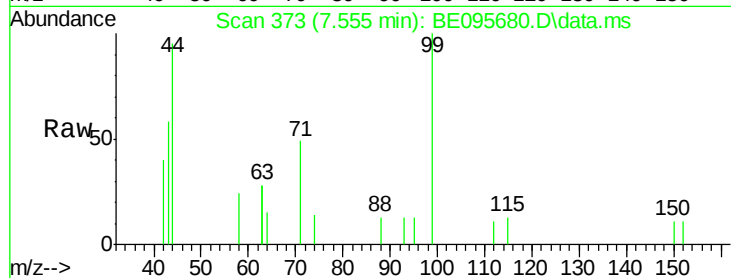
Tot Ion: 99 Resp: 648

Ion Ratio Lower Upper

99 100

42 25.0 20.2 30.2

71 42.1 28.4 42.6



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.259 min Scan# 609

Delta R.T. -0.017 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Tgt Ion: 136 Resp: 4968

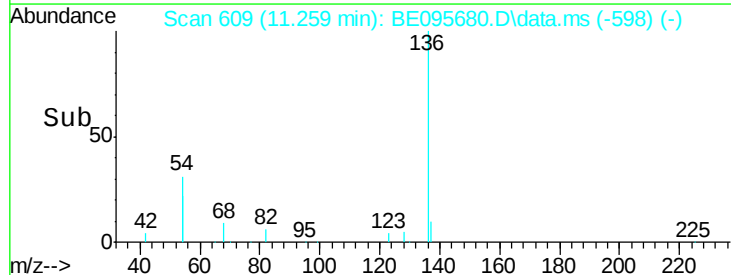
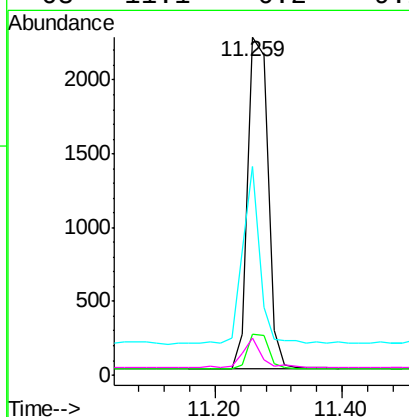
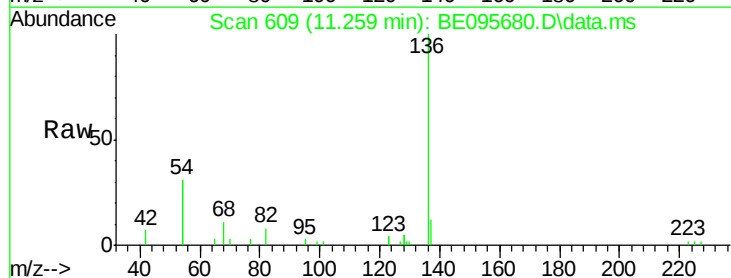
Ion Ratio Lower Upper

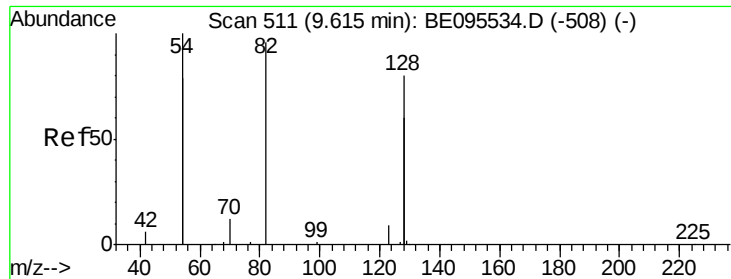
136 100

137 12.3 9.5 14.3

54 61.7 29.1 43.7#

68 11.1 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.44 ng

RT: 9.597 min Scan# 51

Delta R.T. -0.017 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

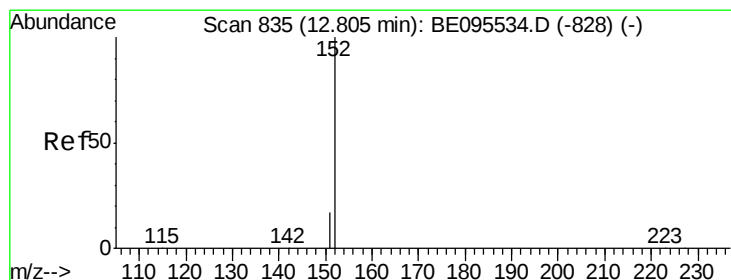
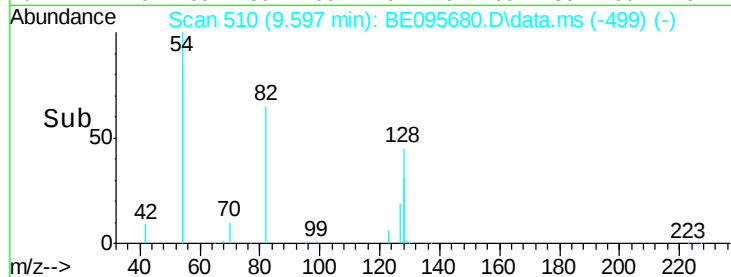
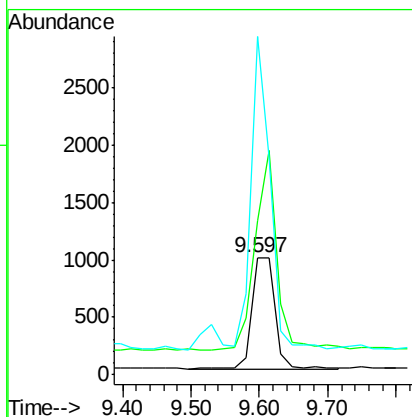
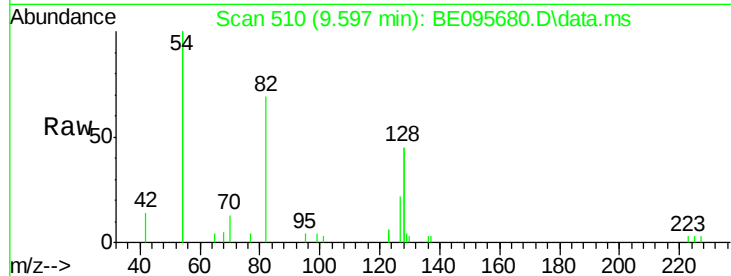
Tot Ion: 82 Resp: 2268

Ion Ratio Lower Upper

82 100

128 131.5 150.0 225.0#

54 289.3 154.2 231.4#



#11

2-Methylnaphthalene-d10

Concen: 0.43 ng

RT: 12.805 min Scan# 835

Delta R.T. 0.000 min

Lab File: BE095680.D

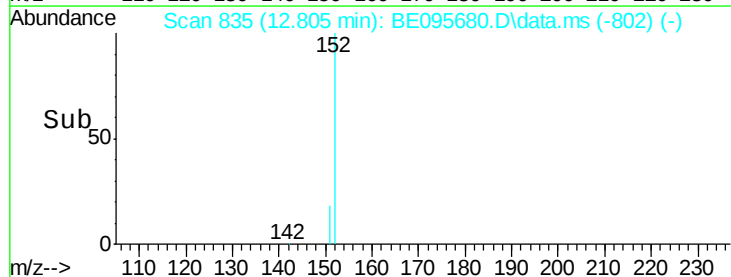
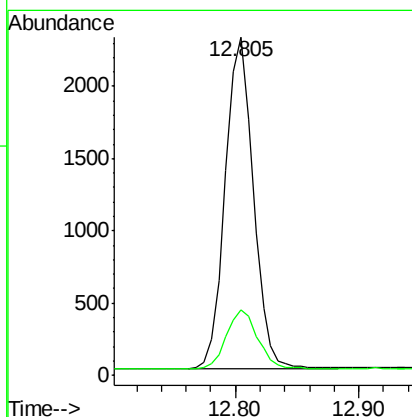
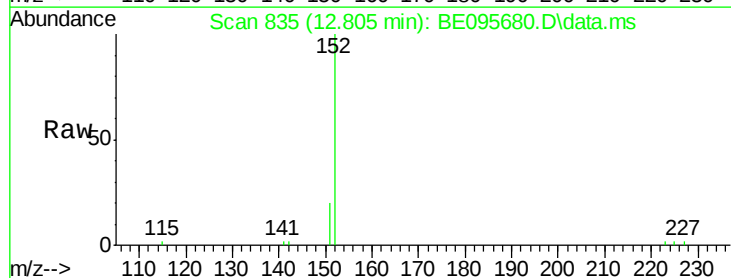
Acq: 23 Feb 2018 13:19

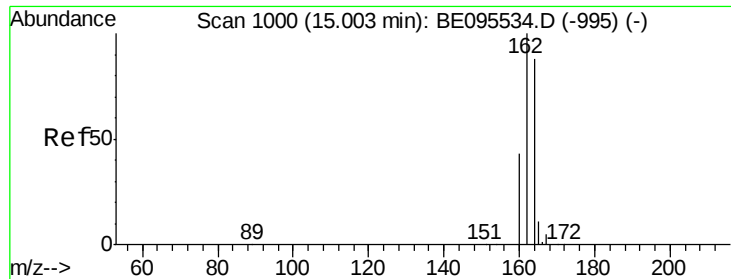
Tgt Ion: 152 Resp: 3610

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.000 min Scan# 10

Delta R.T. -0.002 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

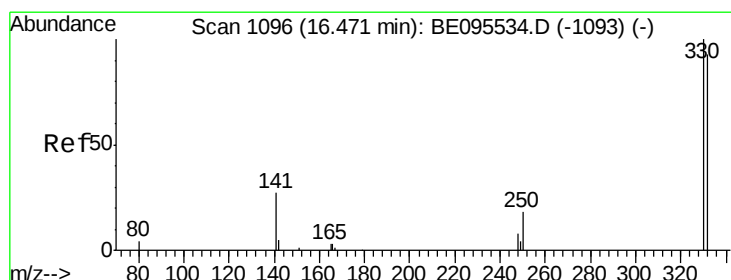
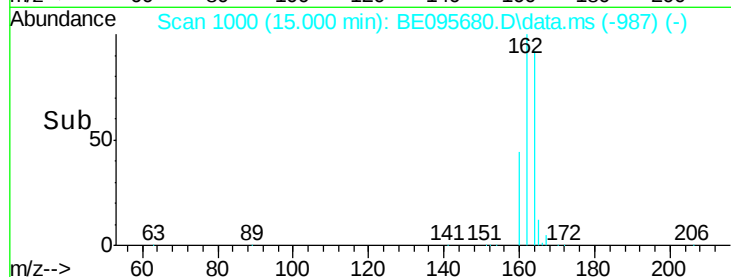
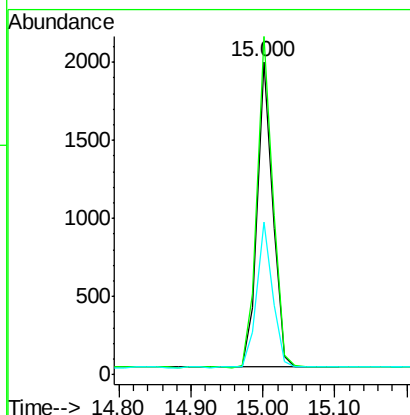
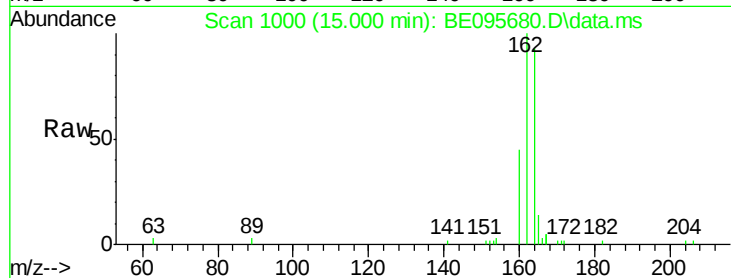
Tot Ion:164 Resp: 2961

Ion Ratio Lower Upper

164 100

162 108.0 83.1 124.7

160 48.7 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.47 ng

RT: 16.472 min Scan# 1096

Delta R.T. -0.001 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

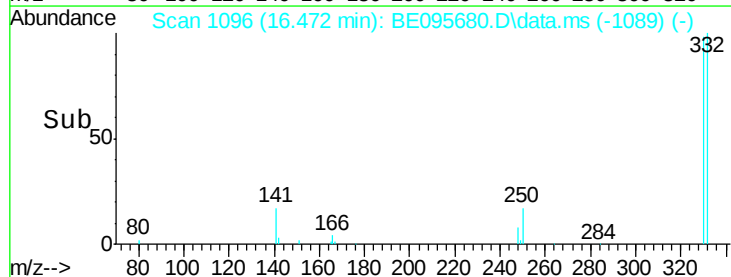
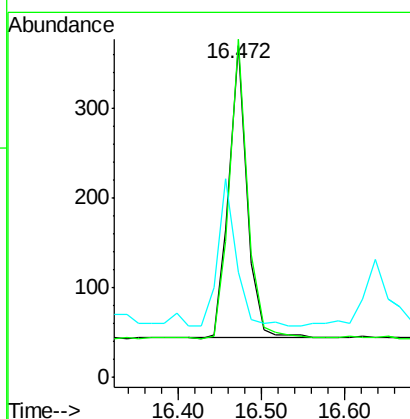
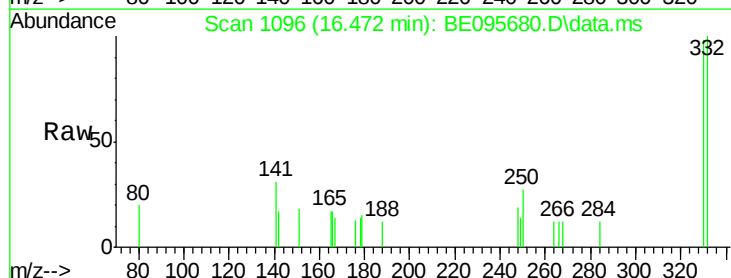
Tgt Ion:330 Resp: 497

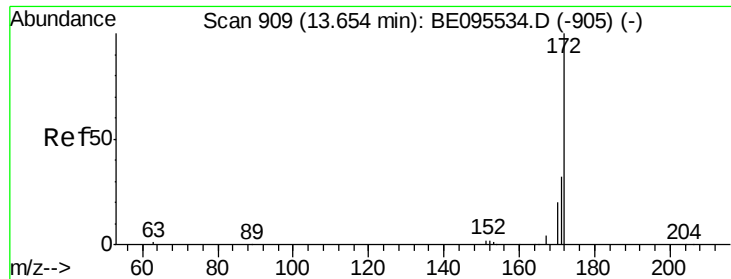
Ion Ratio Lower Upper

330 100

332 102.8 152.7 229.1#

141 51.5 33.7 50.5#

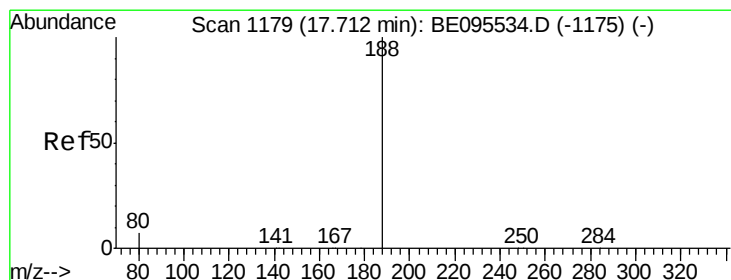
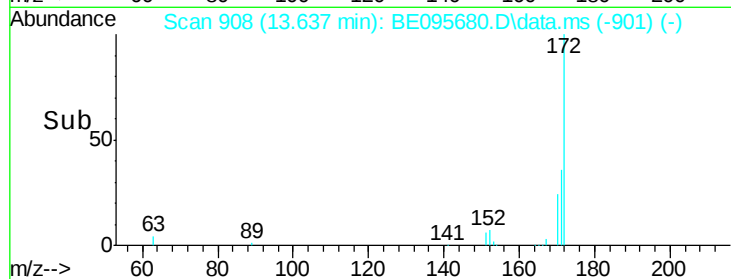
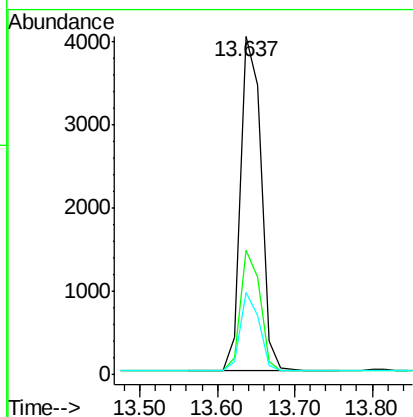
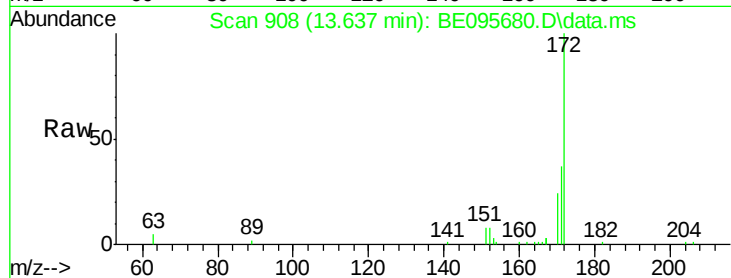




#15  
2-Fluorobiphenyl  
Concen: 0.56 ng  
RT: 13.637 min Scan# 909  
Delta R.T. -0.002 min  
Lab File: BE095680.D  
Acq: 23 Feb 2018 13:19

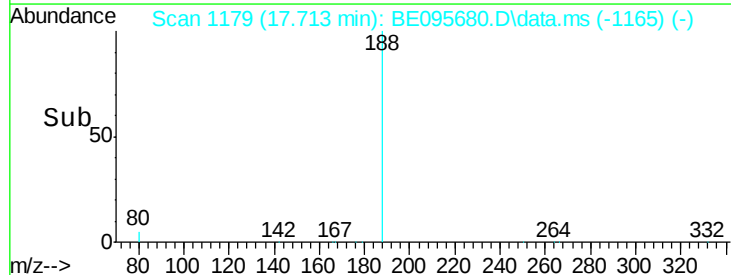
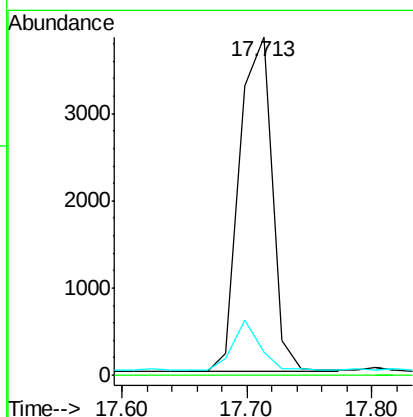
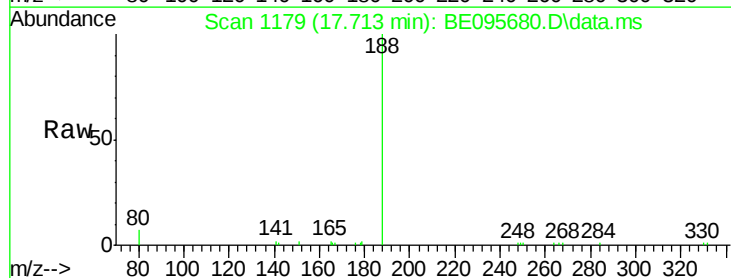
Instrument :  
BNA\_E  
ClientSampleId :

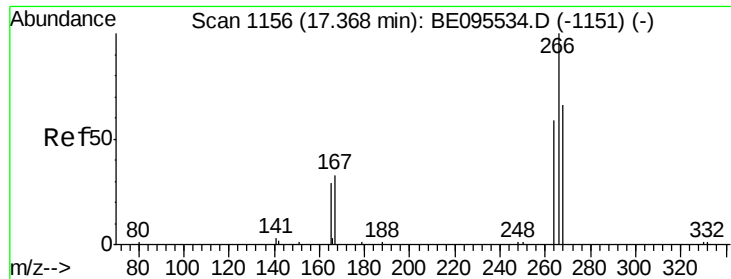
Tot Ion:172 Resp: 7371  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.9 44.9  
170 24.4 21.8 32.8



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.713 min Scan# 1179  
Delta R.T. 0.013 min  
Lab File: BE095680.D  
Acq: 23 Feb 2018 13:19

Tgt Ion:188 Resp: 6921  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 6.7 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.19 ng

RT: 17.354 min Scan# 1155

Delta R.T. -0.016 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

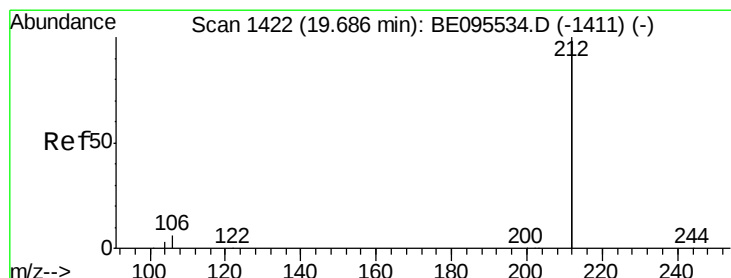
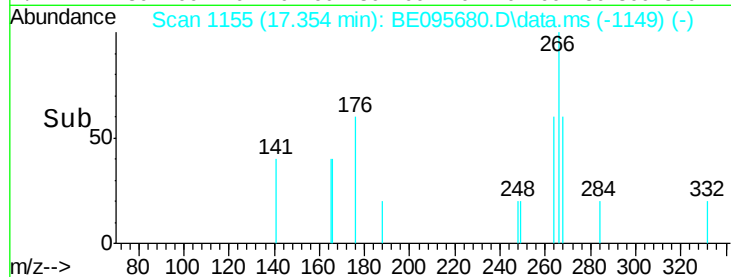
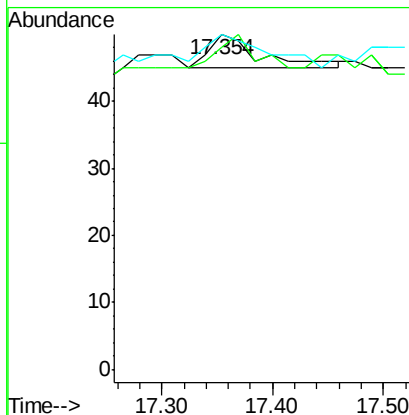
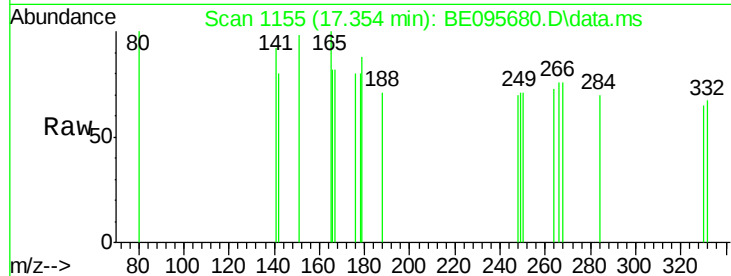
Tot Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 96.0 72.5 108.7

268 100.0 73.8 110.6



#25

Fluoranthene-d10

Concen: 0.40 ng

RT: 19.686 min Scan# 1422

Delta R.T. 0.000 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

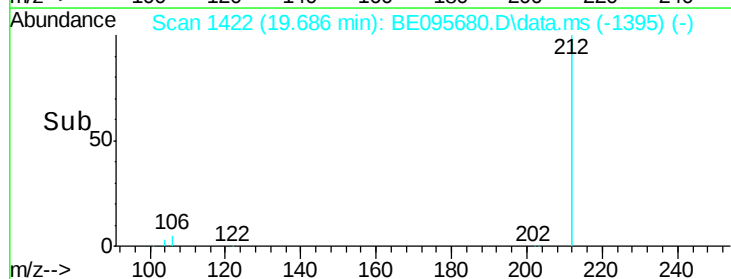
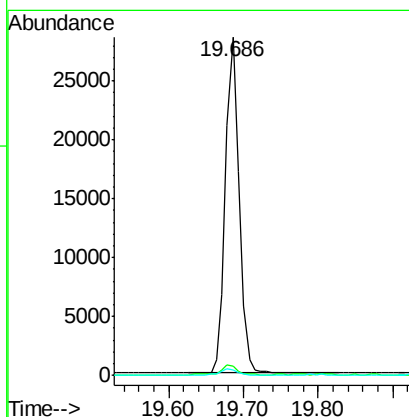
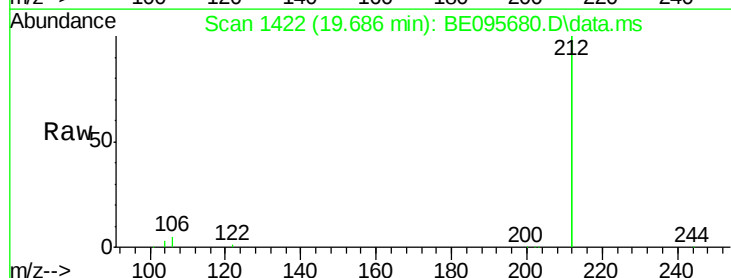
Tgt Ion:212 Resp: 36496

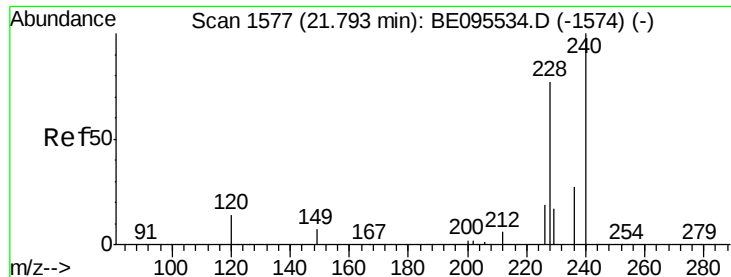
Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

104 1.7 1.6 2.4





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.792 min Scan# 15

Delta R.T. 0.000 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

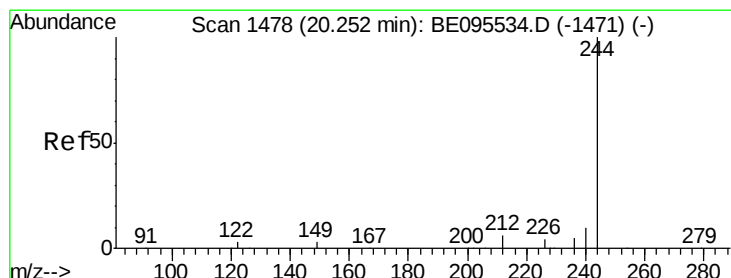
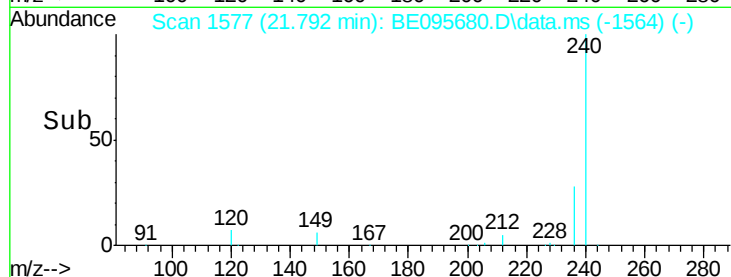
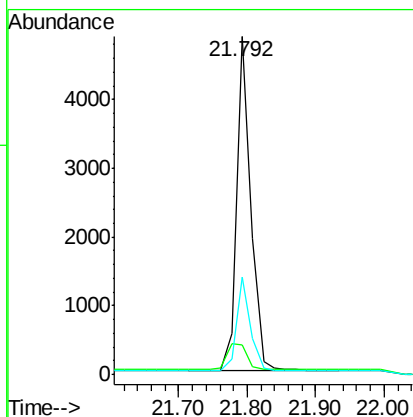
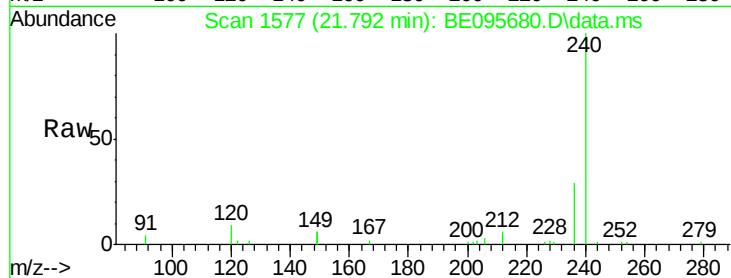
Tot Ion:240 Resp: 7130

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

236 29.0 20.7 31.1



#29

Terphenyl-d14

Concen: 0.56 ng

RT: 20.252 min Scan# 1478

Delta R.T. 0.000 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

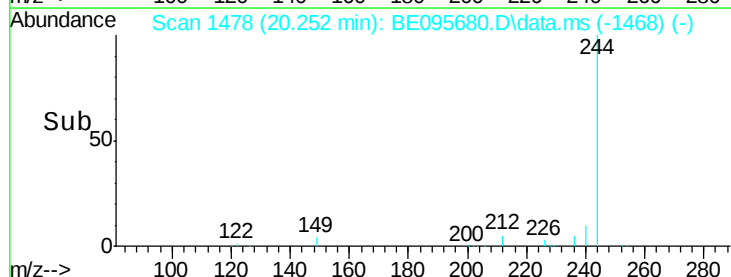
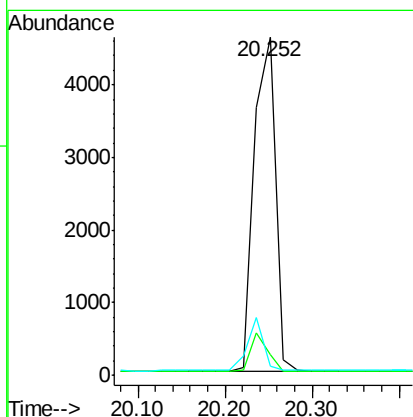
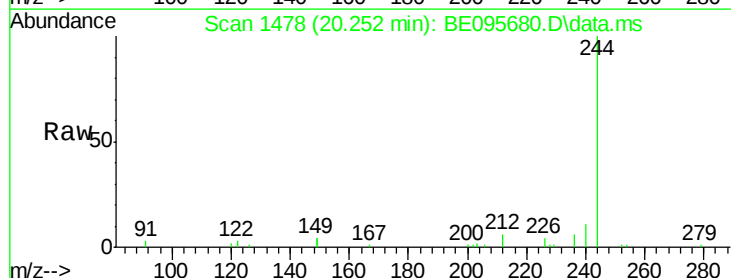
Tgt Ion:244 Resp: 7987

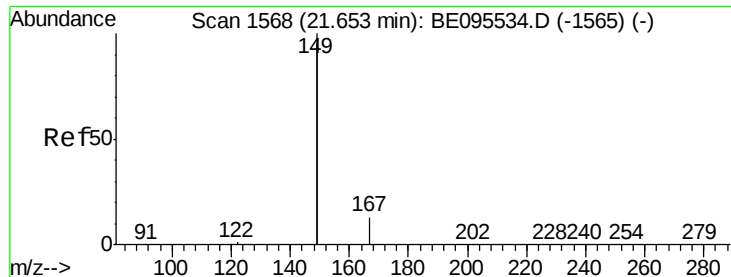
Ion Ratio Lower Upper

244 100

212 6.2 25.4 38.0#

122 2.7 8.1 12.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.652 min Scan# 15

Delta R.T. 0.000 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Instrument :

BNA\_E

ClientSampleId :

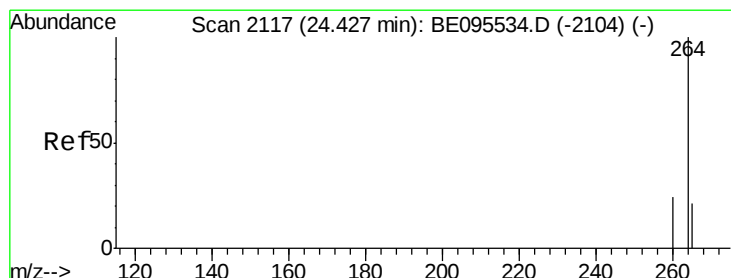
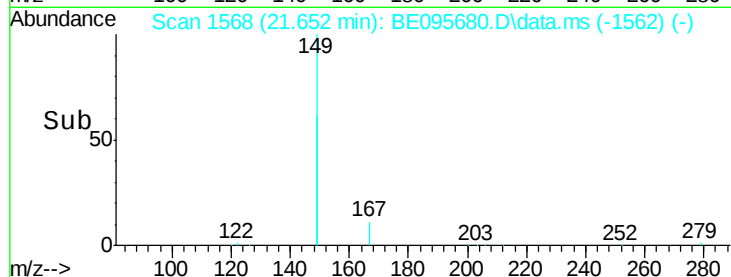
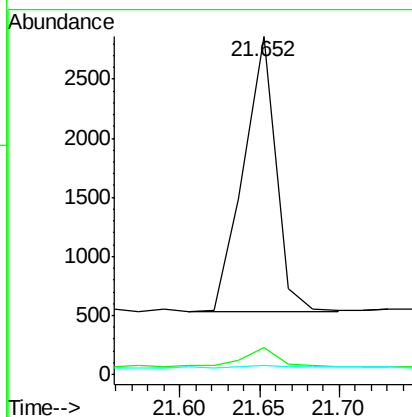
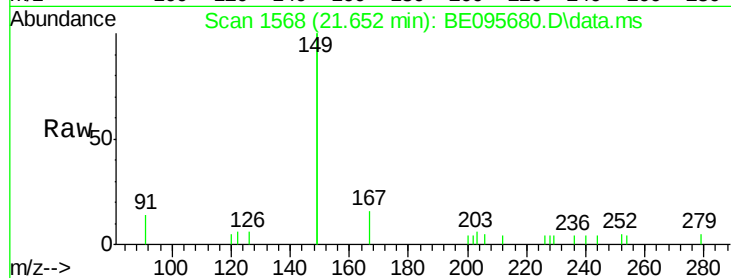
Tot Ion:149 Resp: 3268

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 0.7 1.1



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.425 min Scan# 2117

Delta R.T. 0.003 min

Lab File: BE095680.D

Acq: 23 Feb 2018 13:19

Tgt Ion:264 Resp: 6504

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

265 26.7 22.8 34.2

