

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\  
 Data File : BE095736.D  
 Acq On : 12 Mar 2018 18:42  
 Operator : SJ/JU  
 Sample : J1867-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 CPS103071

Quant Time: Mar 13 10:47:36 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

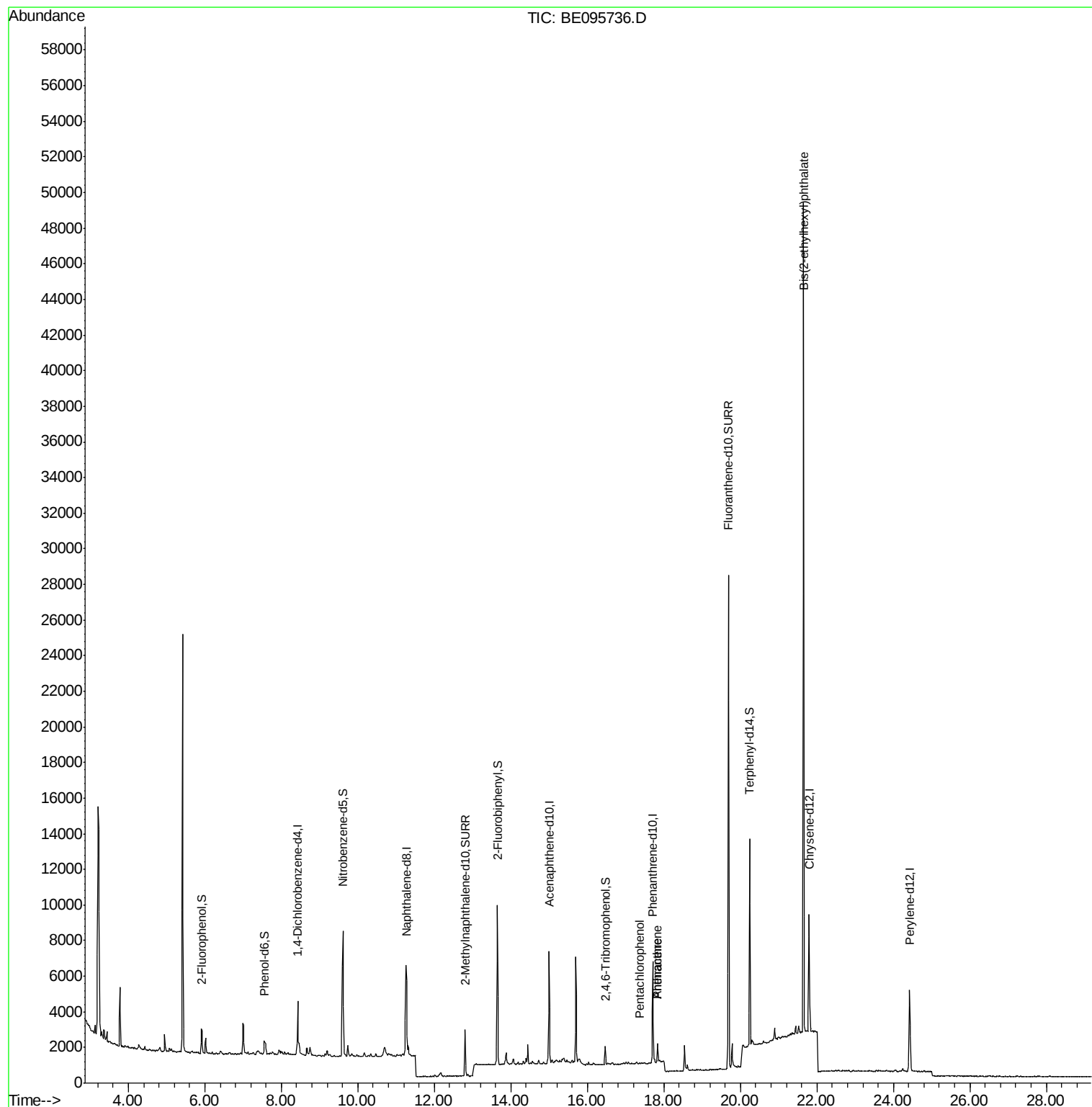
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.43  | 152  | 1428     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 11.27 | 136  | 5731     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 15.00 | 164  | 3321     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.71 | 188  | 7277     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.80 | 240  | 7319     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.42 | 264  | 7036     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.92  | 112  | 721      | 0.19  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.56  | 99   | 636      | 0.12  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.61  | 82   | 2656     | 0.45  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.80 | 152  | 3391     | 0.35  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.47 | 330  | 603      | 0.49  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.64 | 172  | 7884     | 0.53  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.69 | 212  | 35798    | 0.38  | ng    | 0.00     |
| 29) Terphenyl-d14              | 20.24 | 244  | 11441    | 0.78  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 17.36 | 266  | 26       | 0.194 | ng    | 98       |
| 23) Phenanthrene               | 17.84 | 178  | 1464     | 0.064 | ng    | 98       |
| 24) Anthracene                 | 17.84 | 178  | 1431     | 0.069 | ng    | # 92     |
| 32) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 53643    | 1.270 | ng    | 100      |

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\  
Data File : BE095736.D  
Acq On : 12 Mar 2018 18:42  
Operator : SJ/JU  
Sample : J1867-08  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
CPS103071

Quant Time: Mar 13 10:47:36 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



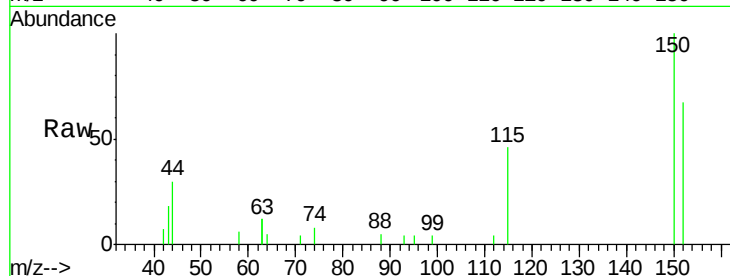


#1

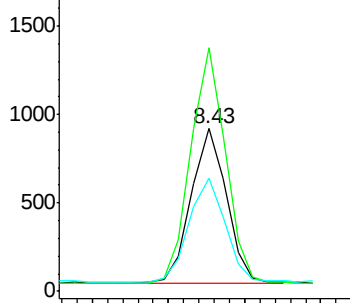
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BE095736.D  
Acq: 12 Mar 2018 18:42

Instrument :  
BNA\_E  
ClientSampleId :  
CPS103071

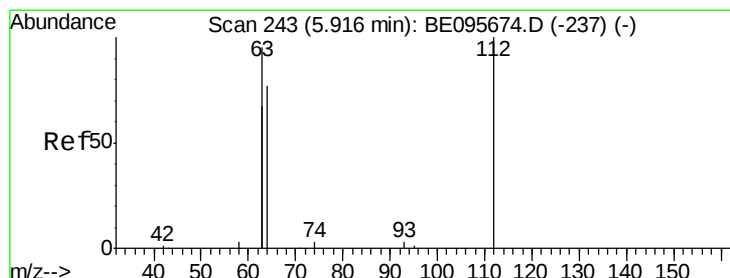
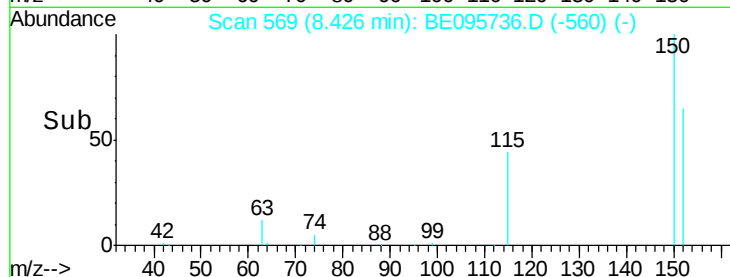
Tot Ion:152 Resp: 1428  
Ion Ratio Lower Upper  
152 100  
150 149.8 117.2 175.8  
115 69.3 57.0 85.6



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



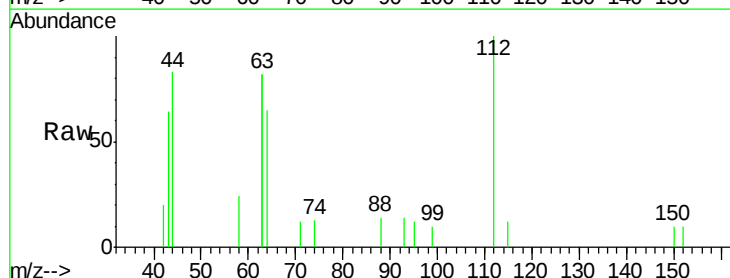
Time-->



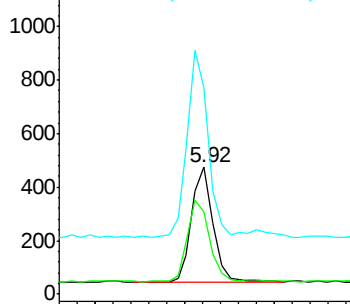
#4

2-Fluorophenol  
Concen: 0.191 ng  
RT: 5.92 min Scan# 313  
Delta R.T. 0.01 min  
Lab File: BE095736.D  
Acq: 12 Mar 2018 18:42

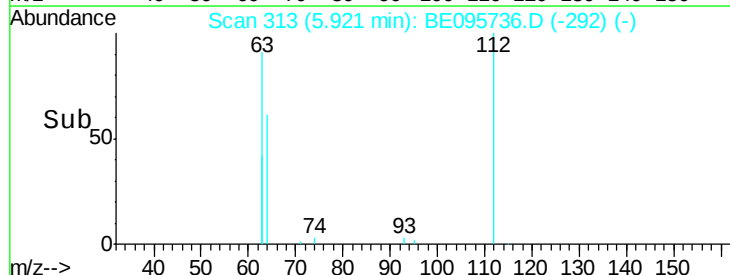
Tgt Ion:112 Resp: 721  
Ion Ratio Lower Upper  
112 100  
64 75.9 60.1 90.1  
63 166.2 116.8 175.2



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



Time-->





#5

Phenol-d6

Concen: 0.122 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

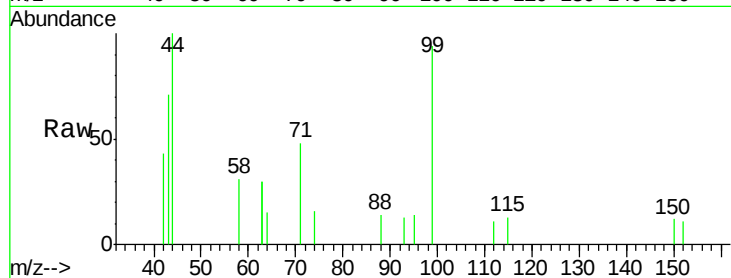
Tot Ion: 99 Resp: 636

Ion Ratio Lower Upper

99 100

42 25.6 20.2 30.2

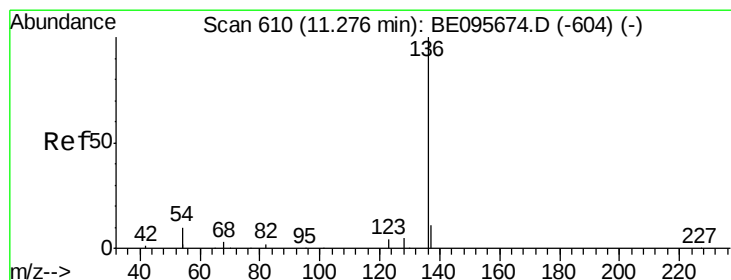
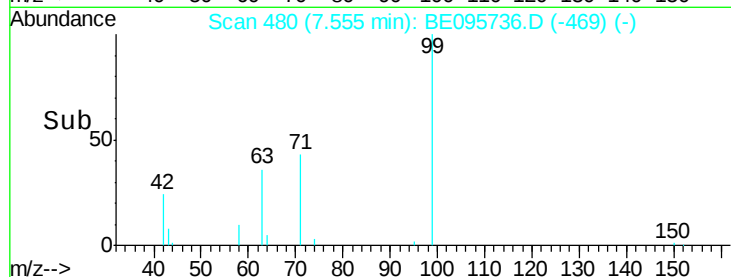
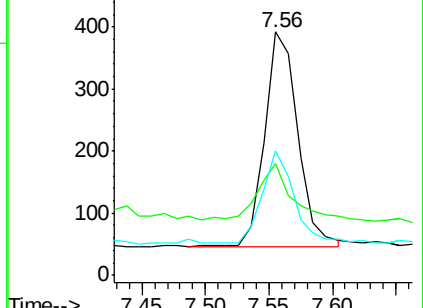
71 40.4 28.4 42.6



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: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Tgt Ion: 136 Resp: 5731

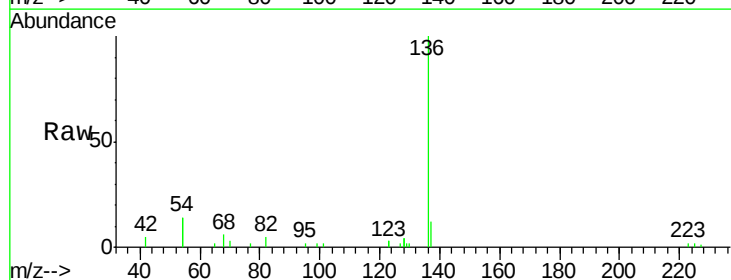
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 28.8 29.1 43.7#

68 5.9 6.2 9.2#

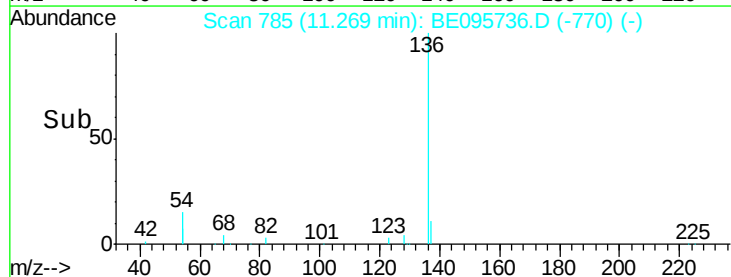
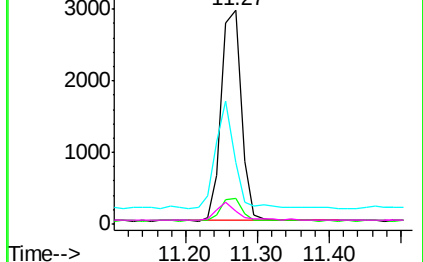


Abundance Ion 136.00 (135.70 to 136.70): E

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

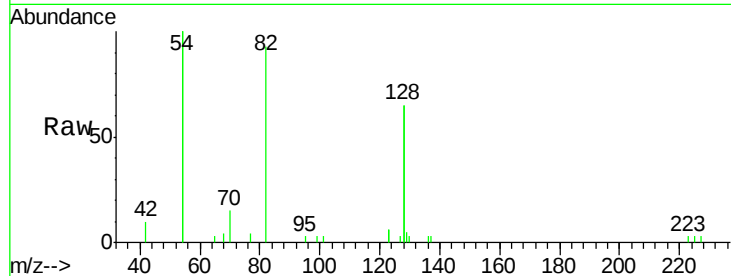




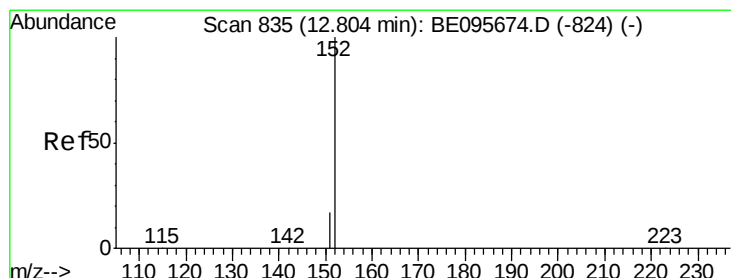
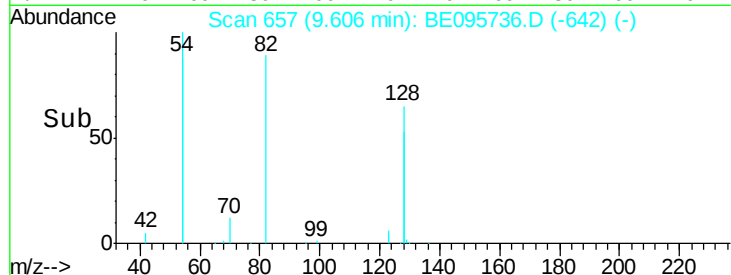
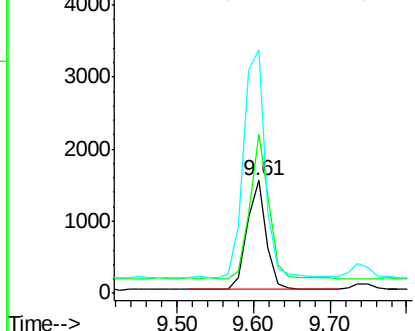
#8  
 Nitrobenzene-d5  
 Concen: 0.450 ng  
 RT: 9.61 min Scan# 657  
 Delta R.T. -0.01 min  
 Lab File: BE095736.D  
 Acq: 12 Mar 2018 18:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 CPS103071

Tot Ion: 82 Resp: 2656  
 Ion Ratio Lower Upper  
 82 100  
 128 141.3 150.0 225.0#  
 54 215.9 154.2 231.4

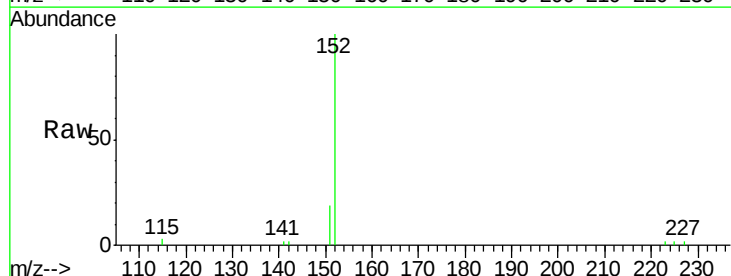


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): BE0  
 Ion 54.00 (53.70 to 54.70): BE0

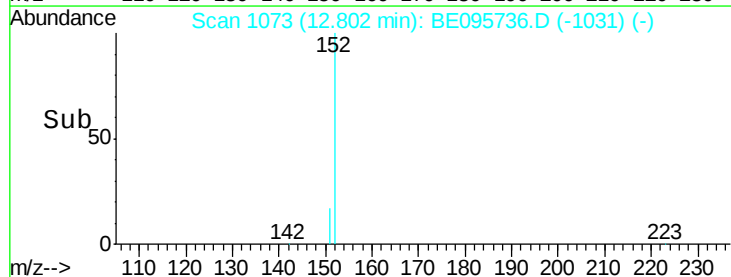
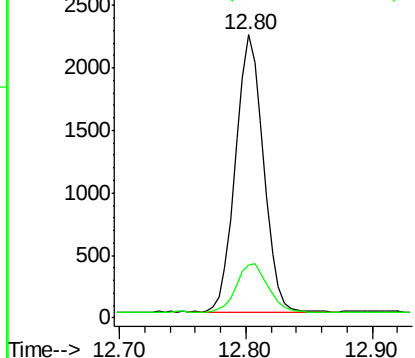


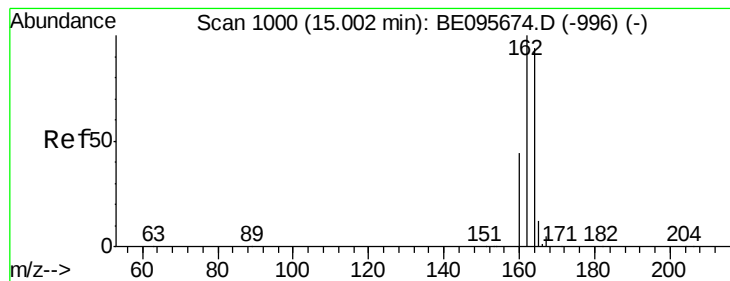
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.354 ng  
 RT: 12.80 min Scan# 1073  
 Delta R.T. -0.00 min  
 Lab File: BE095736.D  
 Acq: 12 Mar 2018 18:42

Tgt Ion: 152 Resp: 3391  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE  
 Ion 151.00 (150.70 to 151.70): BE





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

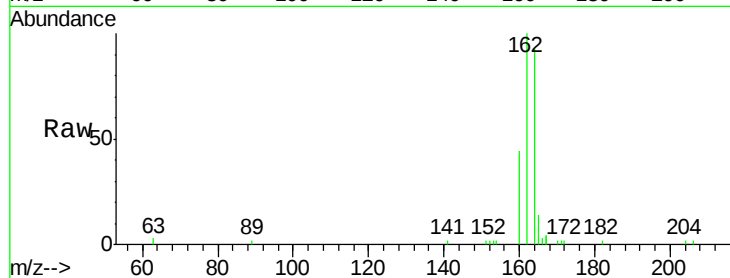
Tot Ion:164 Resp: 3321

Ion Ratio Lower Upper

164 100

162 107.6 83.1 124.7

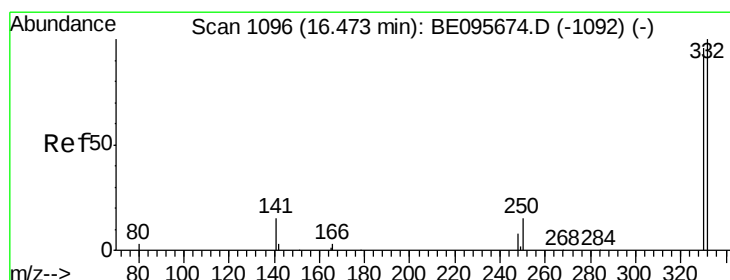
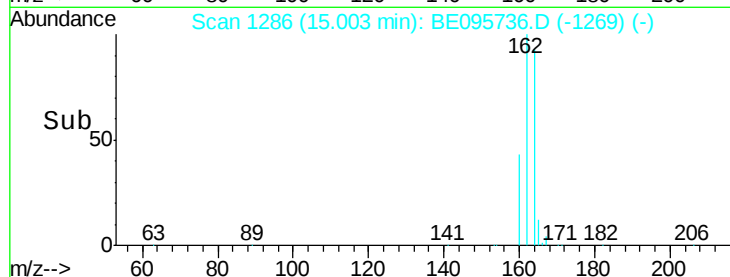
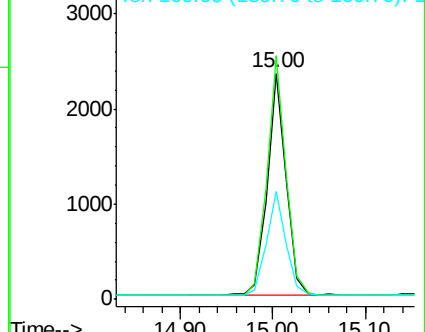
160 47.7 37.1 55.7



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: 0.495 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

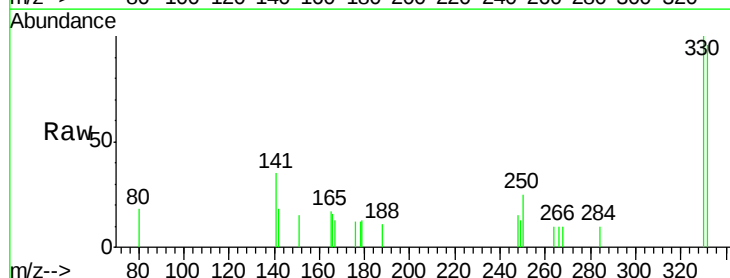
Tgt Ion:330 Resp: 603

Ion Ratio Lower Upper

330 100

332 95.0 152.7 229.1#

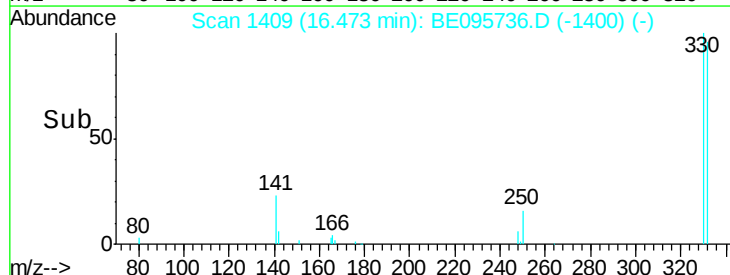
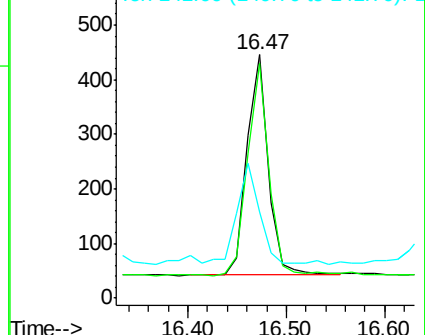
141 46.6 33.7 50.5

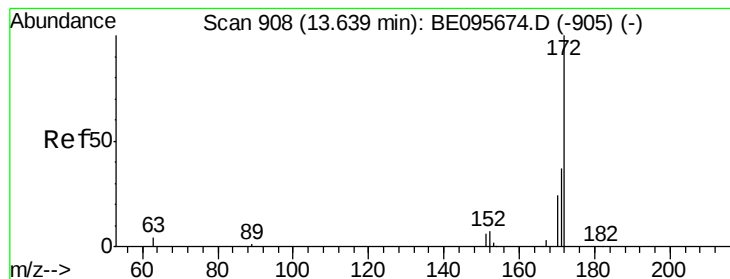


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.531 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

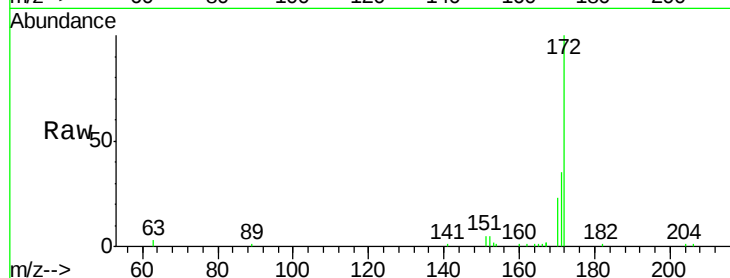
Tot Ion:172 Resp: 7884

Ion Ratio Lower Upper

172 100

171 34.9 29.9 44.9

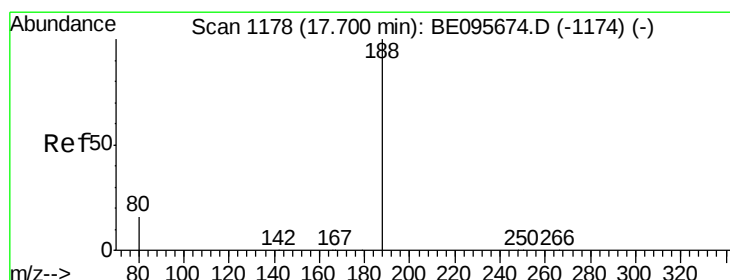
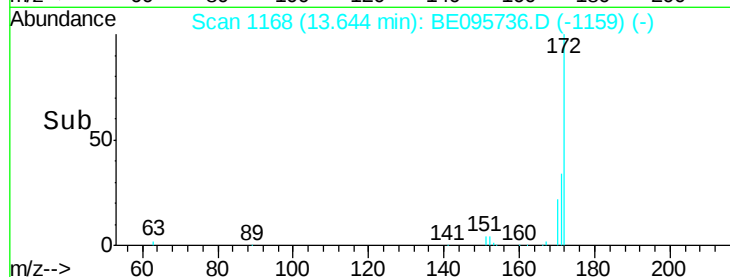
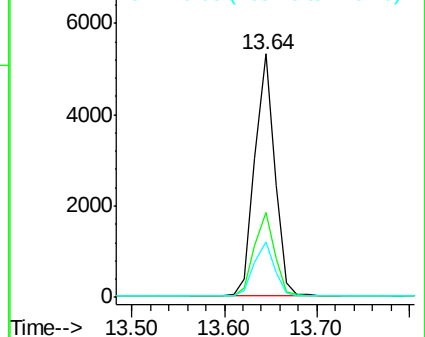
170 22.7 21.8 32.8



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: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

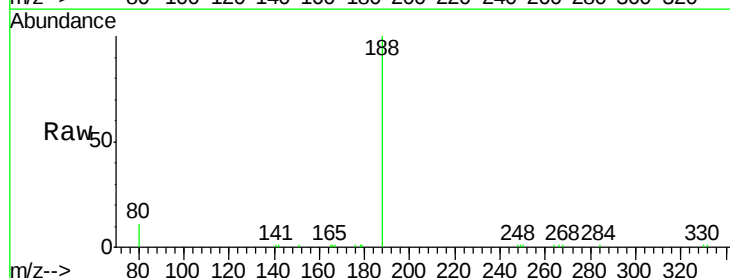
Tgt Ion:188 Resp: 7277

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

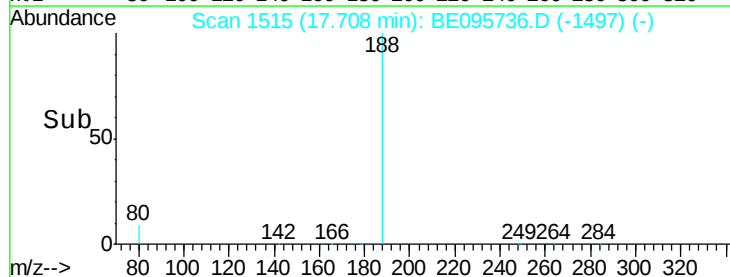
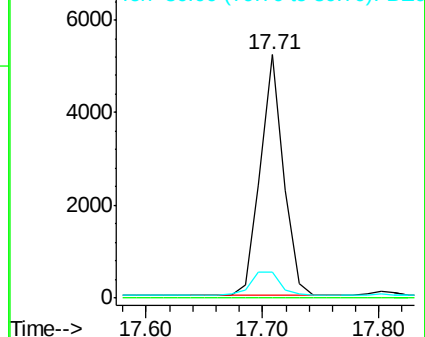
80 10.6 3.6 5.4#

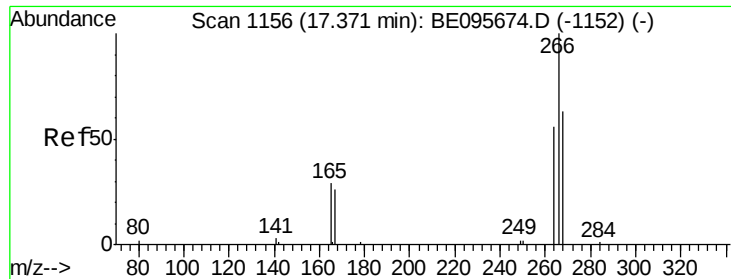


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

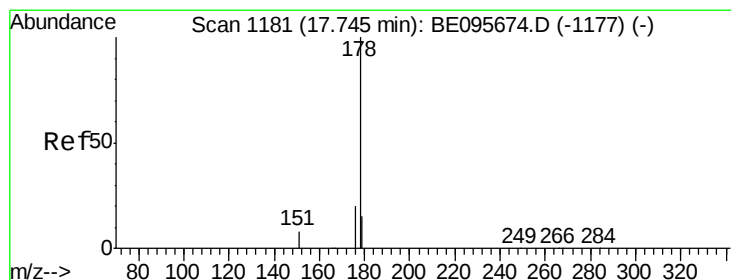
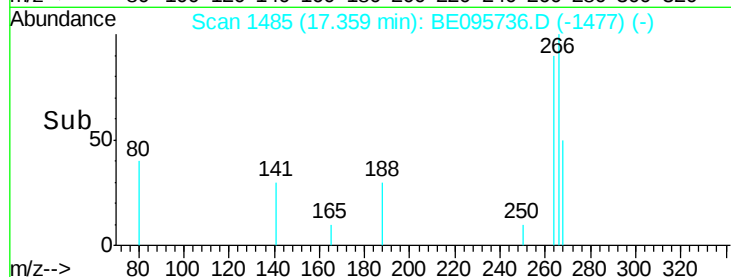
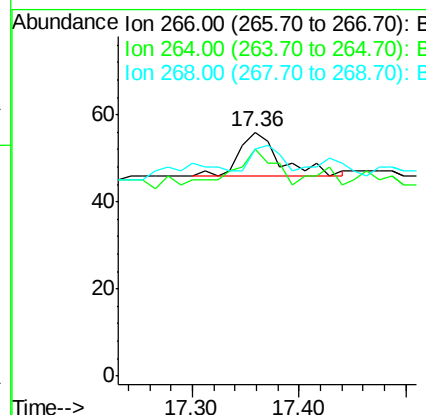
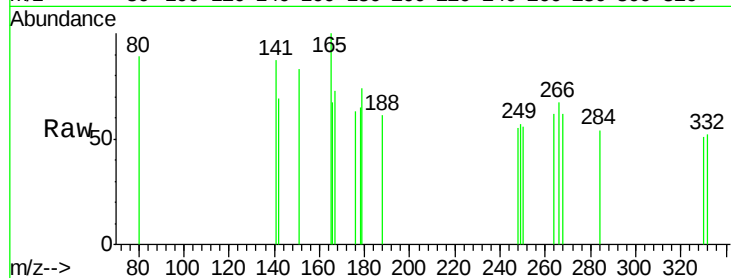




#22  
 Pentachlorophenol  
 Concen: 0.194 ng  
 RT: 17.36 min Scan# 1485  
 Delta R.T. -0.01 min  
 Lab File: BE095736.D  
 Acq: 12 Mar 2018 18:42

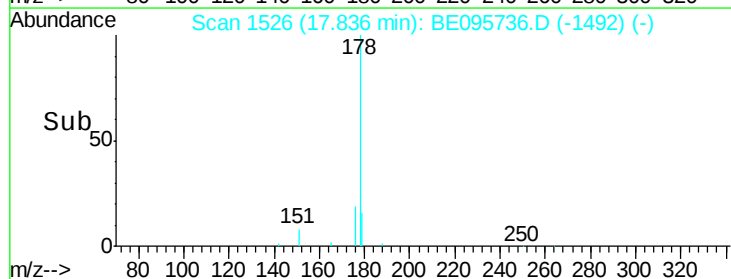
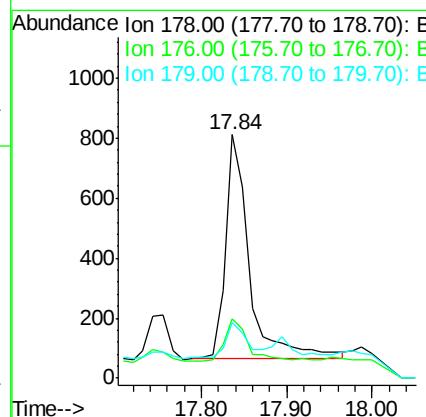
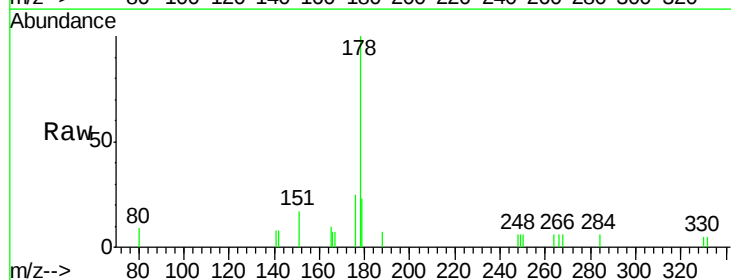
Instrument :  
 BNA\_E  
 ClientSampleId :  
 CPS103071

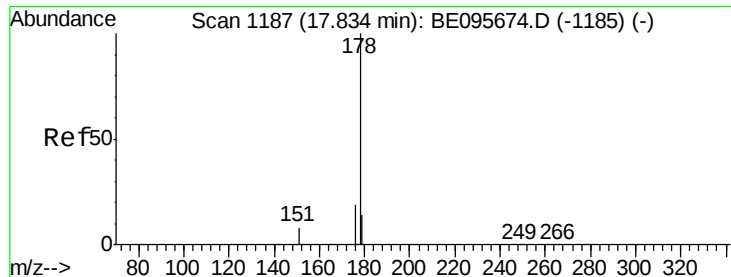
Tot Ion:266 Resp: 26  
 Ion Ratio Lower Upper  
 266 100  
 264 92.9 72.5 108.7  
 268 92.9 73.8 110.6



#23  
 Phenanthrene  
 Concen: 0.064 ng  
 RT: 17.84 min Scan# 1526  
 Delta R.T. 0.09 min  
 Lab File: BE095736.D  
 Acq: 12 Mar 2018 18:42

Tgt Ion:178 Resp: 1464  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.1 22.7  
 179 13.3 11.8 17.6





#24

Anthracene

Concen: 0.069 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

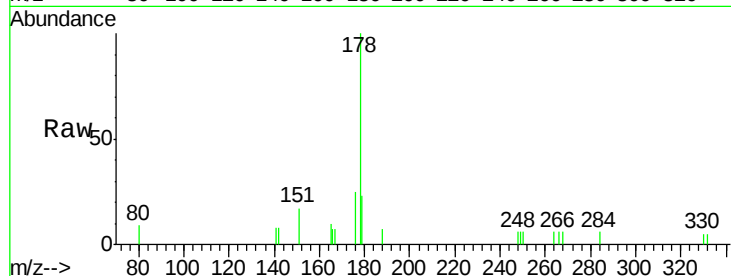
Tot Ion:178 Resp: 1431

Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

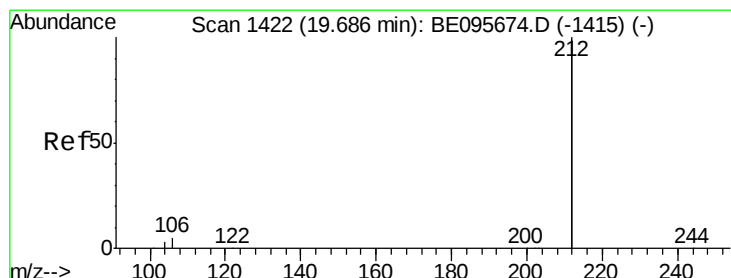
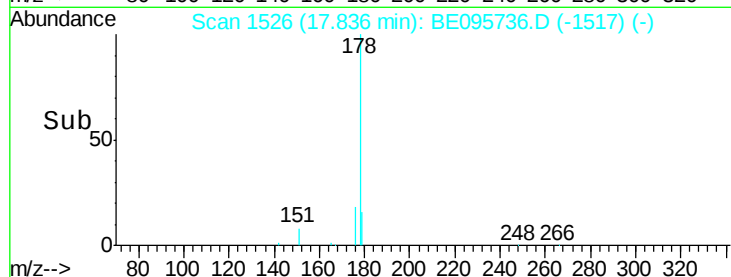
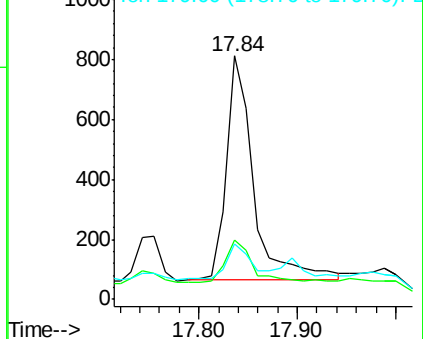
179 13.6 13.0 19.6



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: 0.377 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

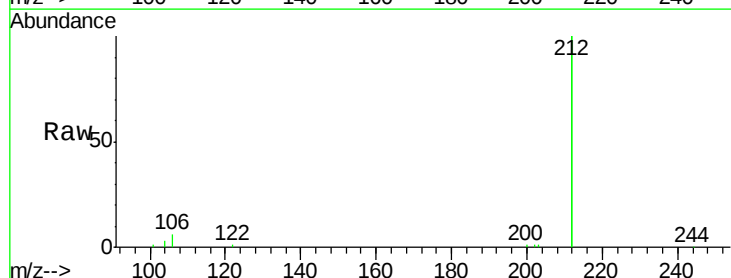
Tgt Ion:212 Resp: 35798

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

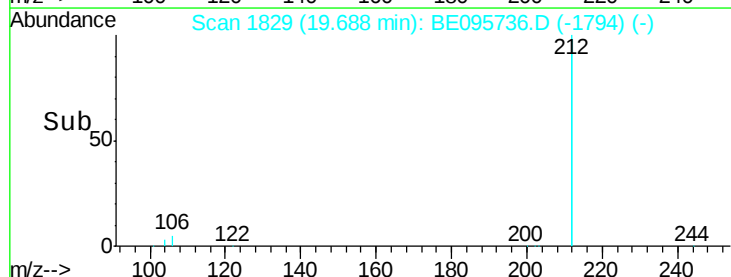
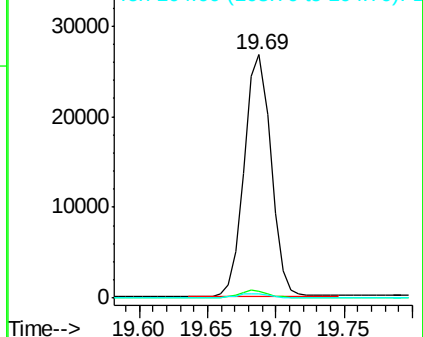
104 1.7 1.6 2.4

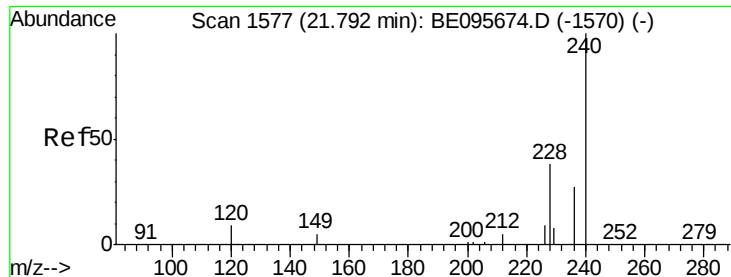


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

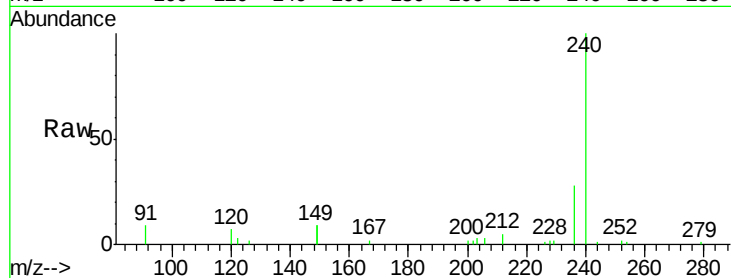
Tot Ion:240 Resp: 7319

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

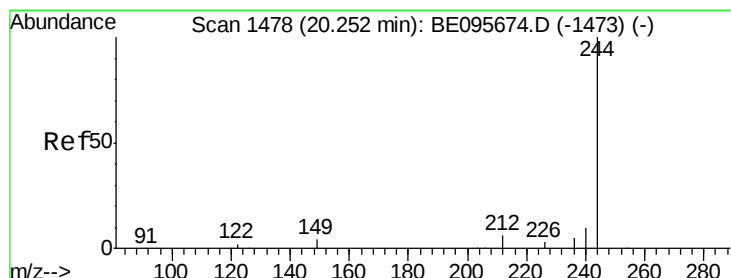
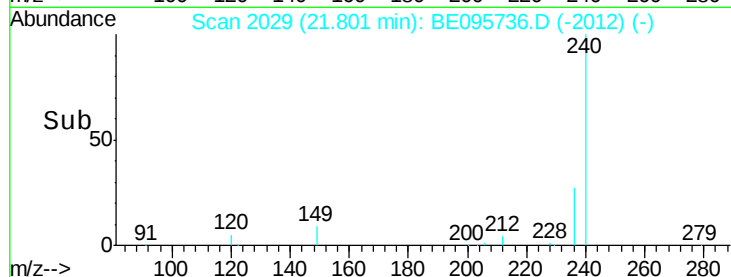
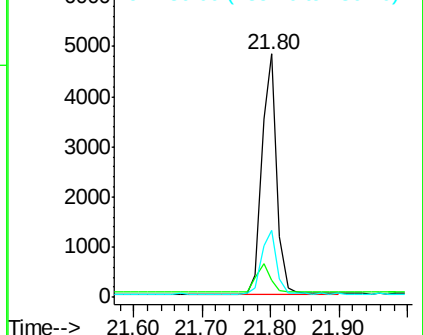
236 27.7 20.7 31.1



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: 0.784 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

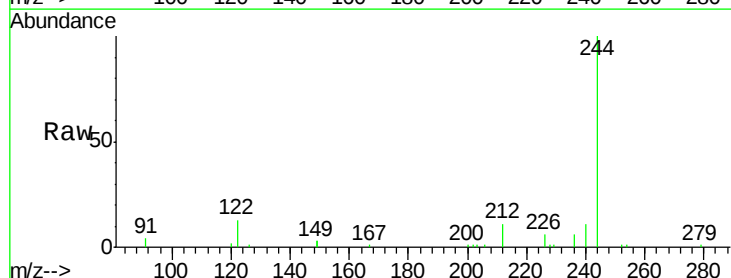
Tgt Ion:244 Resp: 11441

Ion Ratio Lower Upper

244 100

212 11.2 25.4 38.0#

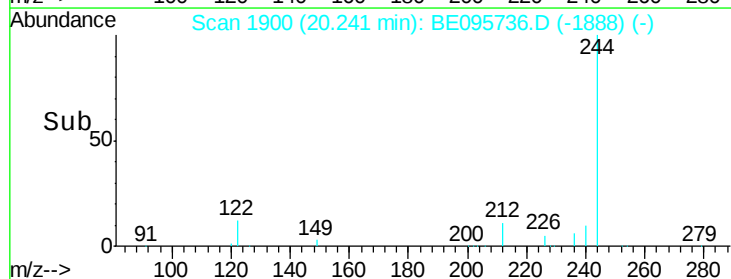
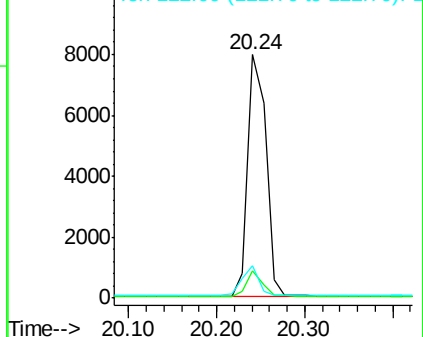
122 13.3 8.1 12.1#

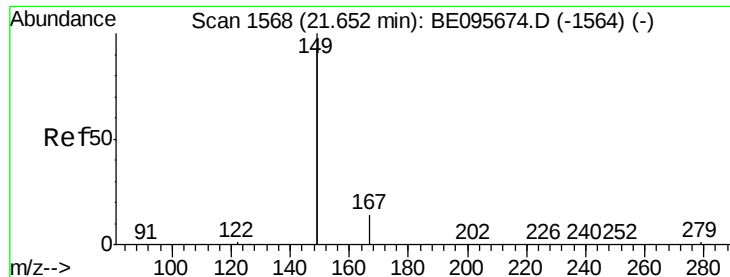


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.270 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

Instrument :

BNA\_E

ClientSampleId :

CPS103071

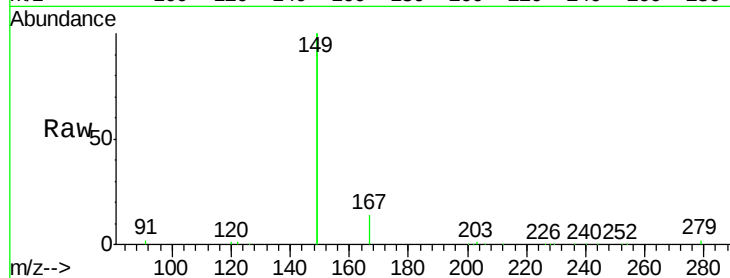
Tot Ion:149 Resp: 53643

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

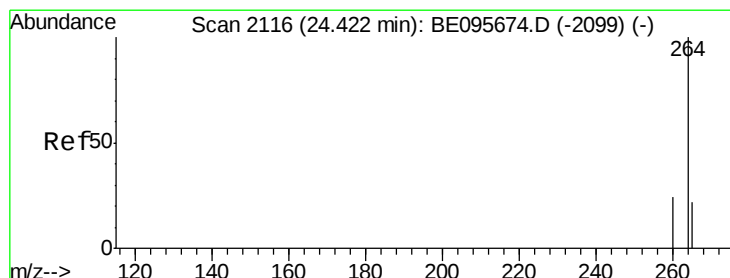
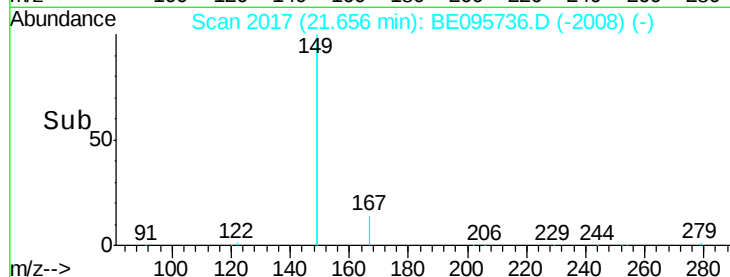
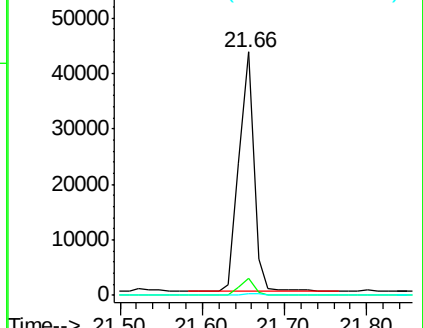
279 0.8 0.7 1.1



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: 24.42 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE095736.D

Acq: 12 Mar 2018 18:42

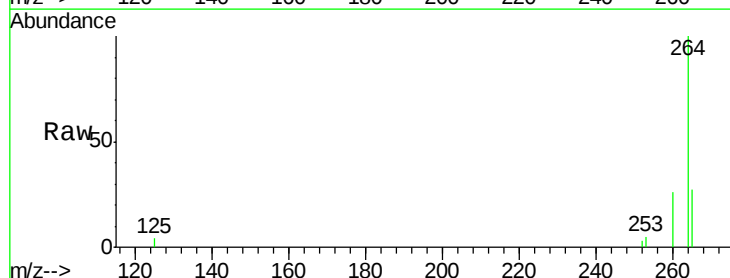
Tgt Ion:264 Resp: 7036

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 26.5 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

