

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021318\  
 Data File : BE095666.D  
 Acq On : 12 Feb 2018 17:56  
 Operator : SJ/JU  
 Sample : PB106445BSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Feb 13 03:27:00 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 20:27:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.42  | 152  | 1201     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.26 | 136  | 4277     | 0.40 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 15.00 | 164  | 2272     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.71 | 188  | 5109     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.79 | 240  | 5675     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.43 | 264  | 5402     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.92  | 112  | 1317     | 0.36 | ng    | 0.00     |
| 5) Phenol-d6                | 7.56  | 99   | 1716     | 0.34 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.60  | 82   | 1554     | 0.34 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10 | 12.80 | 152  | 2501     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.47 | 330  | 301      | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.64 | 172  | 3445     | 0.35 | ng    | -0.02    |
| 25) Fluoranthene-d10        | 19.69 | 212  | 25047    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.25 | 244  | 3982     | 0.33 | ng    | 0.00     |

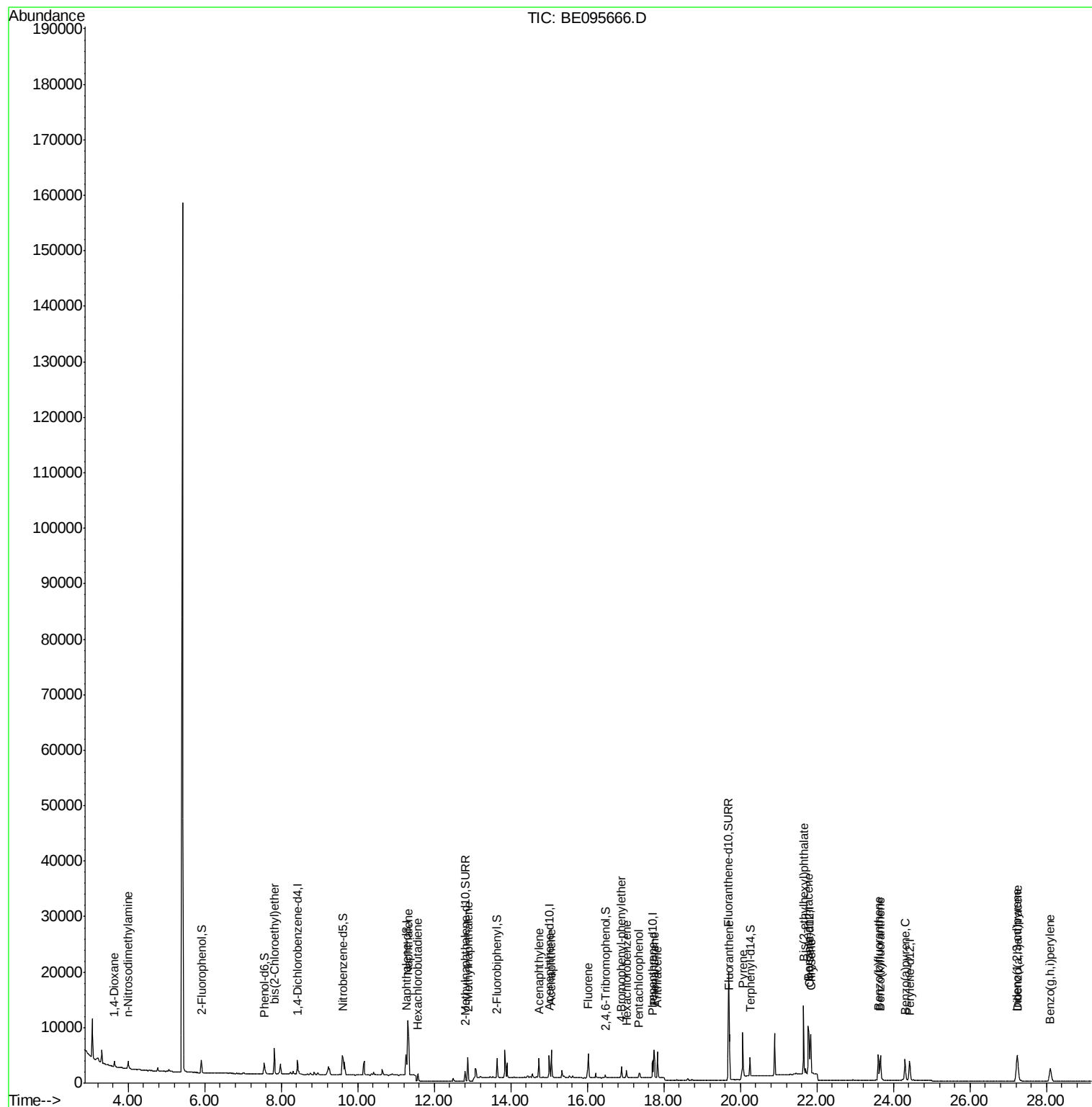
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.64  | 88   | 576      | 0.29 | ng    | # 5    |
| 3) n-Nitrosodimethylamine      | 3.99  | 42   | 945      | 0.38 | ng    | # 80   |
| 6) bis(2-Chloroethyl)ether     | 7.82  | 93   | 1564     | 0.34 | ng    | 97     |
| 9) Naphthalene                 | 11.31 | 128  | 17725    | 0.36 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.58 | 225  | 1104     | 0.41 | ng    | 92     |
| 12) 2-Methylnaphthalene        | 12.88 | 142  | 2969     | 0.35 | ng    | 98     |
| 16) Acenaphthylene             | 14.73 | 152  | 4114     | 0.32 | ng    | 99     |
| 17) Acenaphthene               | 15.06 | 154  | 2516     | 0.31 | ng    | 94     |
| 18) Fluorene                   | 16.02 | 166  | 3291     | 0.33 | ng    | # 79   |
| 20) 4-Bromophenyl-phenylether  | 16.89 | 248  | 1087     | 0.35 | ng    | # 61   |
| 21) Hexachlorobenzene          | 17.03 | 284  | 1103     | 0.35 | ng    | # 80   |
| 22) Pentachlorophenol          | 17.35 | 266  | 599      | 0.62 | ng    | # 71   |
| 23) Phenanthrene               | 17.74 | 178  | 5535     | 0.35 | ng    | 98     |
| 24) Anthracene                 | 17.83 | 178  | 5184     | 0.35 | ng    | 96     |
| 26) Fluoranthene               | 19.72 | 202  | 7077     | 0.36 | ng    | 98     |
| 28) Pyrene                     | 20.07 | 202  | 8451     | 0.35 | ng    | 98     |
| 30) Benzo(a)anthracene         | 21.78 | 228  | 6861     | 0.36 | ng    | 99     |
| 31) Chrysene                   | 21.84 | 228  | 6784     | 0.36 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.65 | 149  | 13932    | 0.32 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.23 | 276  | 7152     | 0.40 | ng    | 94     |
| 35) Benzo(b)fluoranthene       | 23.61 | 252  | 6693     | 0.36 | ng    | # 89   |
| 36) Benzo(k)fluoranthene       | 23.66 | 252  | 6743     | 0.36 | ng    | 93     |
| 37) Benzo(a)pyrene             | 24.31 | 252  | 6291     | 0.37 | ng    | 93     |
| 38) Dibenzo(a,h)anthracene     | 27.25 | 278  | 5716     | 0.38 | ng    | 96     |
| 39) Benzo(g,h,i)perylene       | 28.10 | 276  | 6083     | 0.38 | ng    | # 92   |

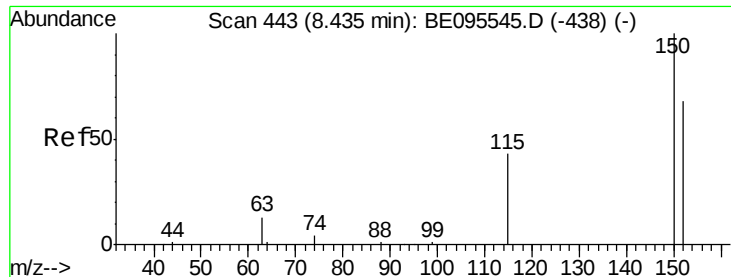
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021318\  
Data File : BE095666.D  
Acq On : 12 Feb 2018 17:56  
Operator : SJ/JU  
Sample : PB106445BSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Feb 13 03:27:00 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 06 20:27:34 2018  
Response via : Initial Calibration



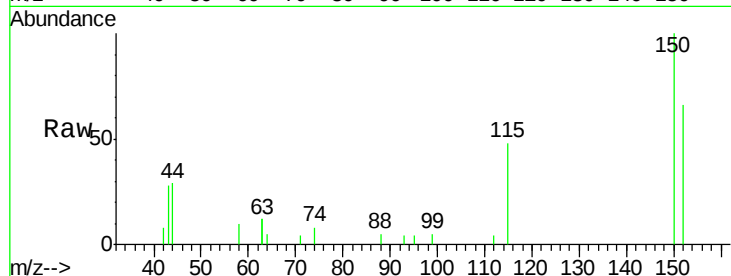


#1

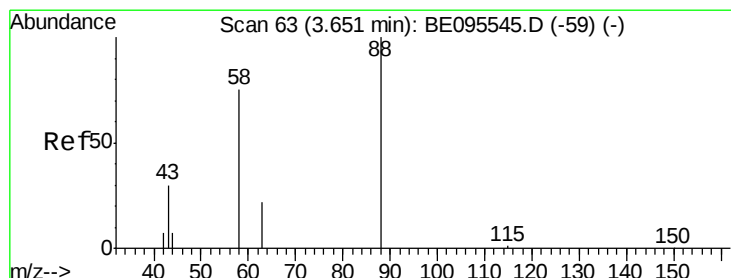
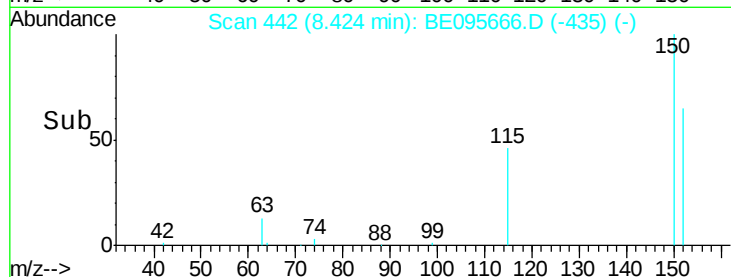
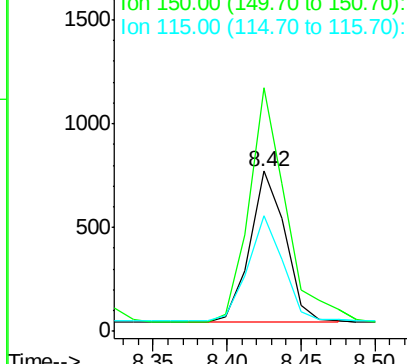
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 8.42 min Scan# 442  
Delta R.T. -0.01 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1201  
Ion Ratio Lower Upper  
152 100  
150 152.0 117.2 175.8  
115 72.5 57.0 85.6



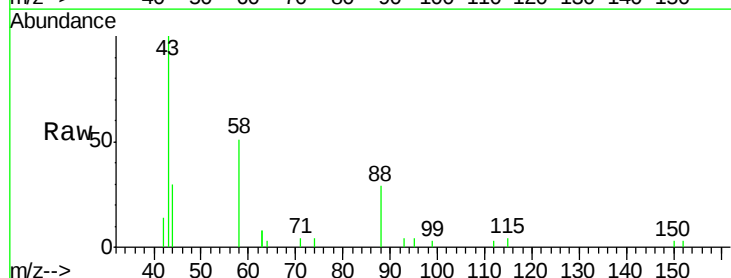
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



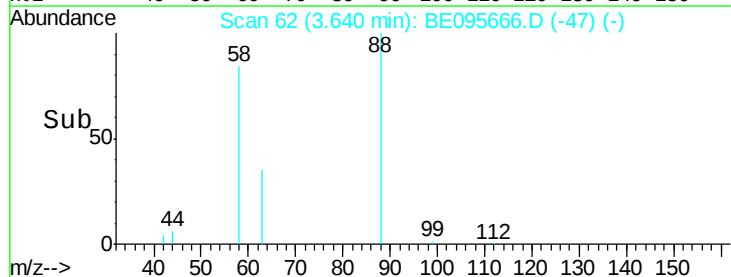
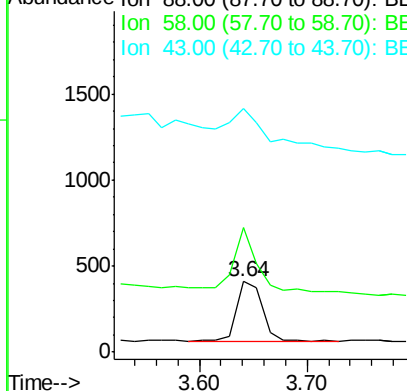
#2

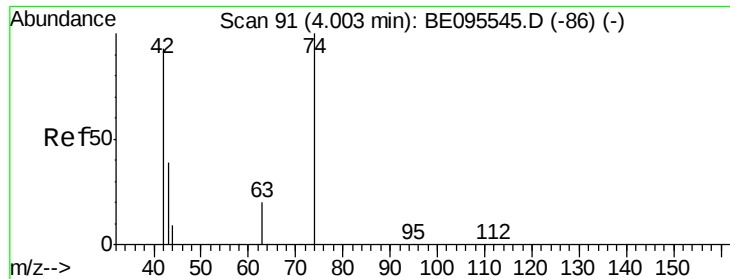
1,4-Dioxane  
Concen: 0.29 ng  
RT: 3.64 min Scan# 62  
Delta R.T. -0.01 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

Tgt Ion: 88 Resp: 576  
Ion Ratio Lower Upper  
88 100  
58 139.6 63.2 94.8#  
43 146.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.38 ng

RT: 3.99 min Scan# 90

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampled :

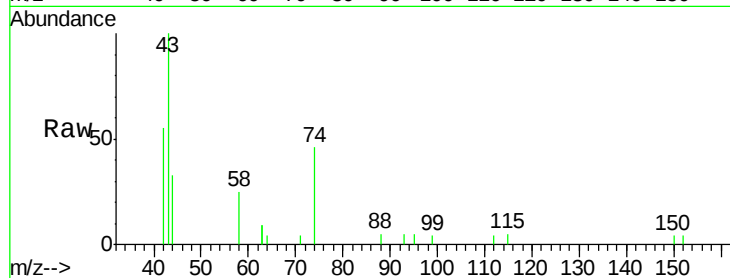
Tot Ion: 42 Resp: 945

Ion Ratio Lower Upper

42 100

74 96.2 96.0 144.0

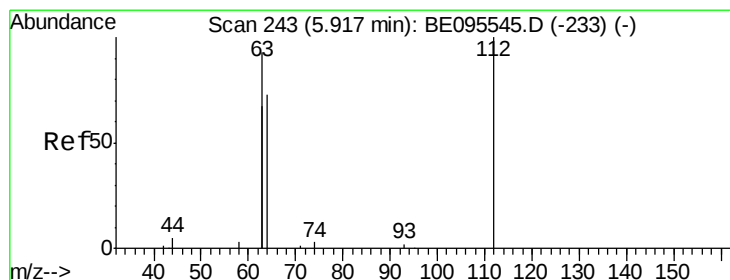
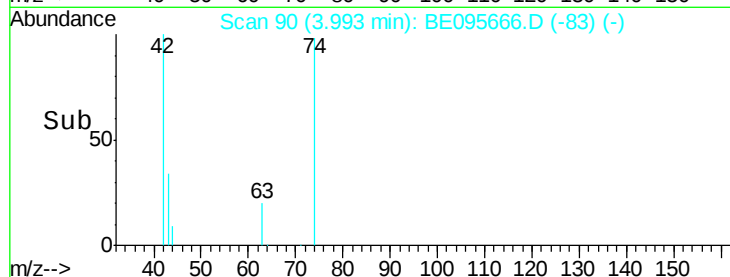
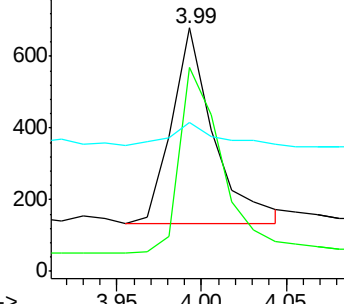
44 11.2 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.36 ng

RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

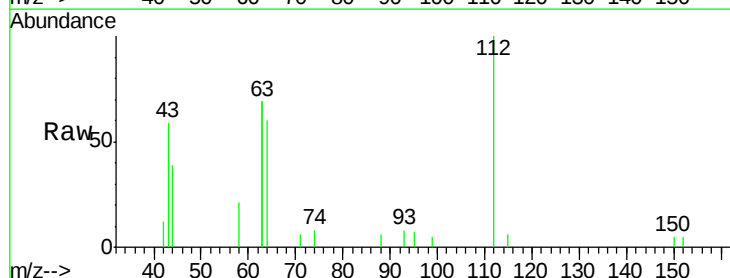
Tgt Ion: 112 Resp: 1317

Ion Ratio Lower Upper

112 100

64 70.5 60.1 90.1

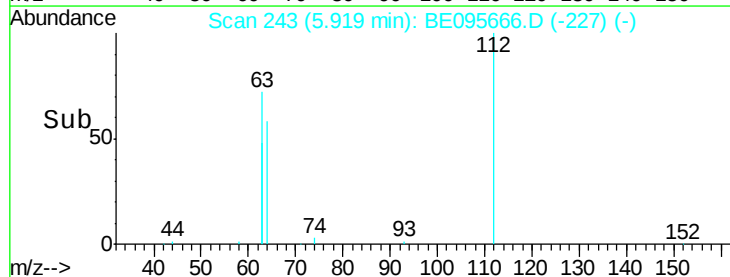
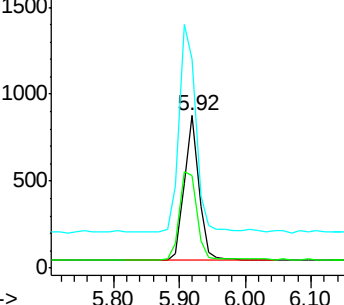
63 157.9 116.8 175.2

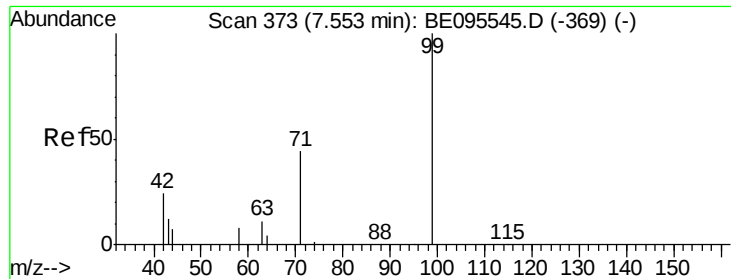


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.34 ng

RT: 7.56 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampled :

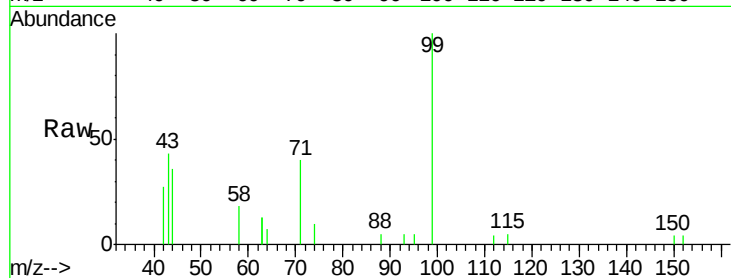
Tot Ion: 99 Resp: 1716

Ion Ratio Lower Upper

99 100

42 27.4 20.2 30.2

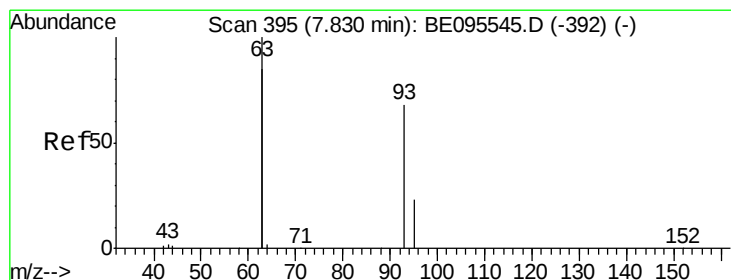
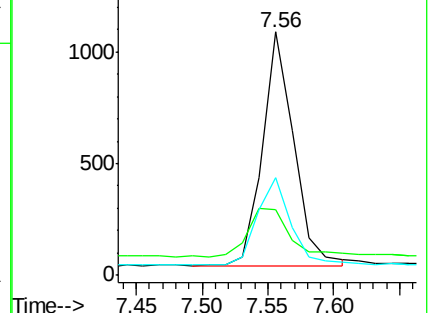
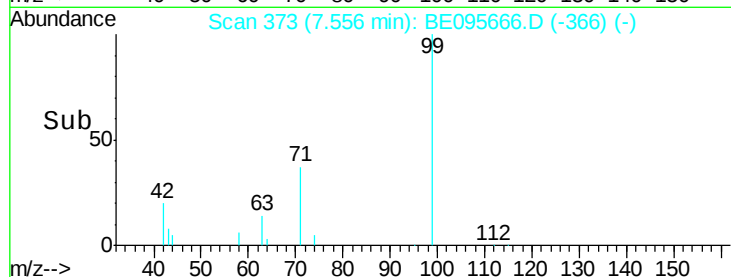
71 40.5 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.34 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

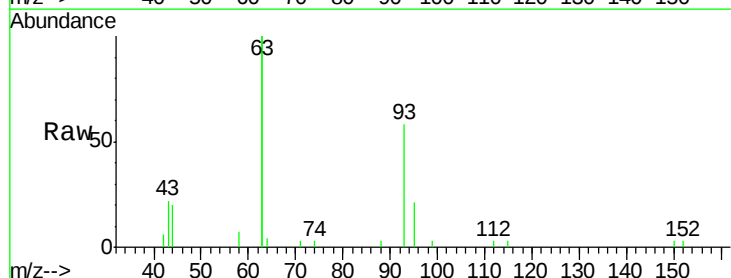
Tgt Ion: 93 Resp: 1564

Ion Ratio Lower Upper

93 100

63 338.7 275.3 412.9

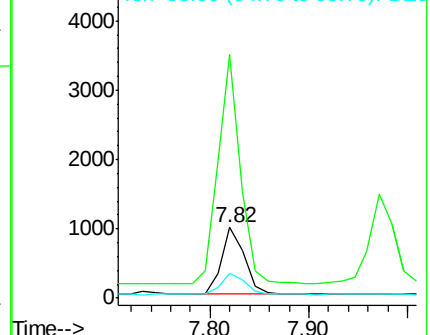
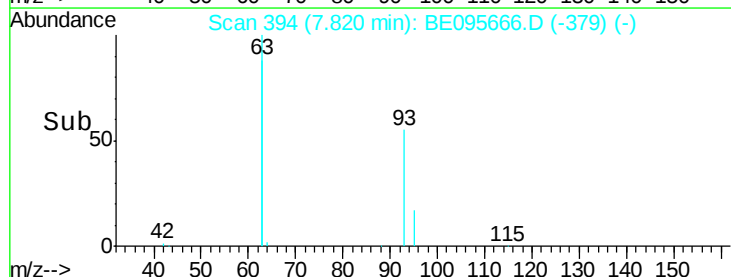
95 33.4 25.2 37.8

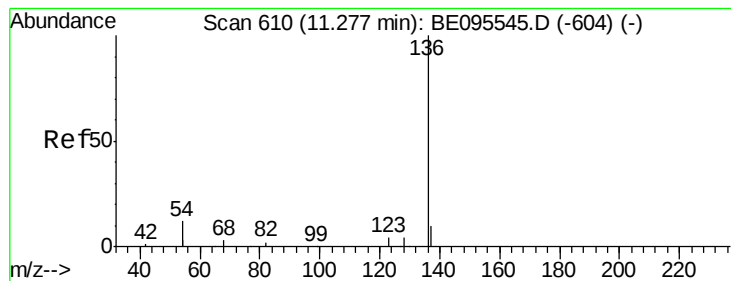


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 4277

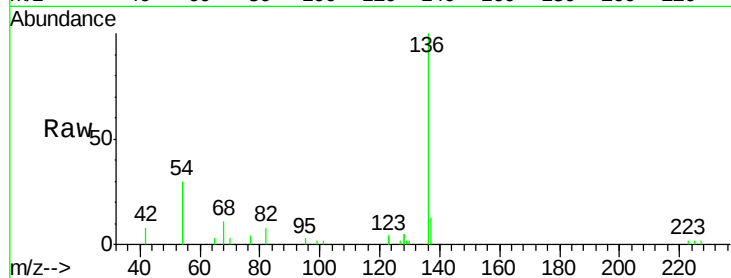
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 59.4 29.1 43.7#

68 10.8 6.2 9.2#

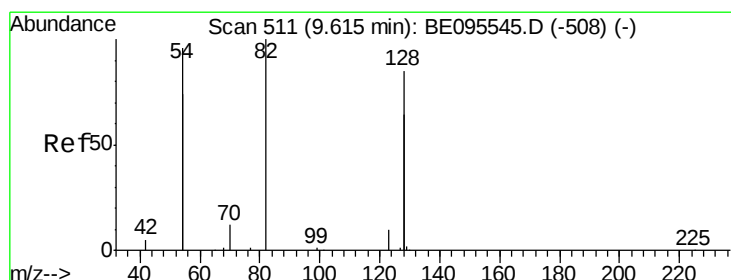
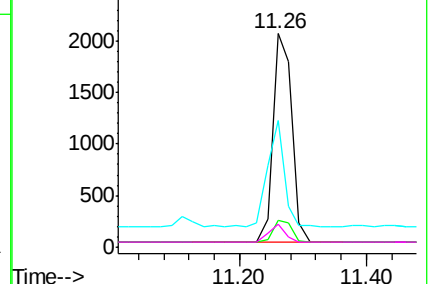
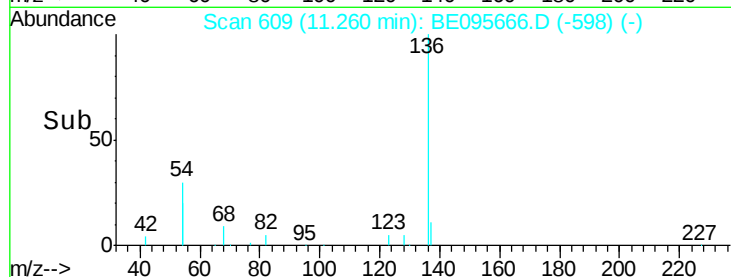


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.34 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

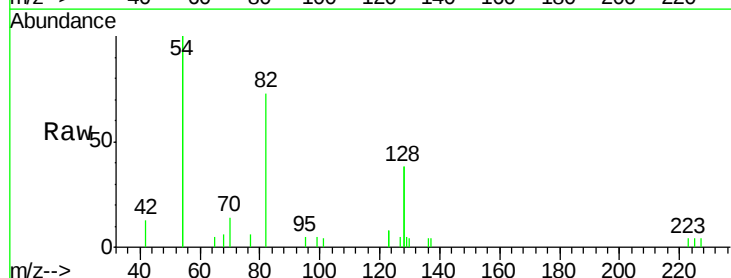
Tgt Ion: 82 Resp: 1554

Ion Ratio Lower Upper

82 100

128 103.6 150.0 225.0#

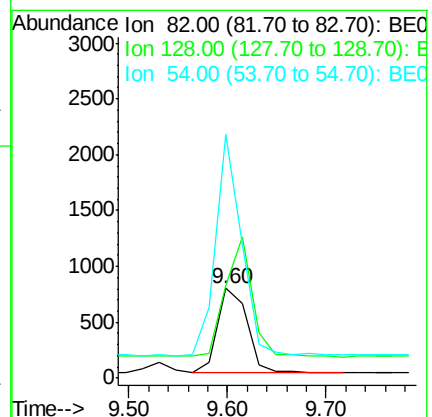
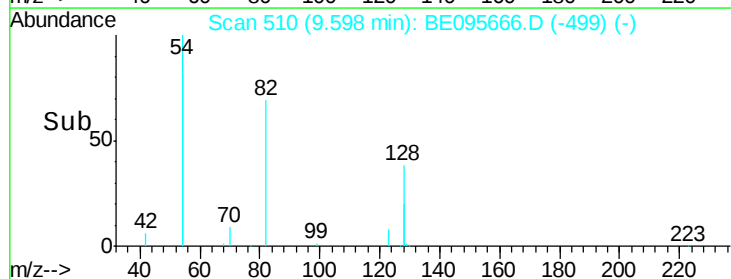
54 272.2 154.2 231.4#

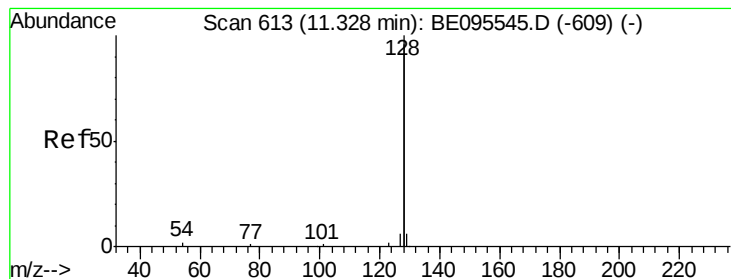


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.36 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

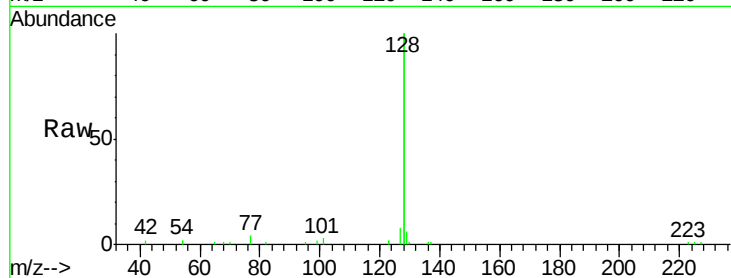
Tot Ion:128 Resp: 17725

Ion Ratio Lower Upper

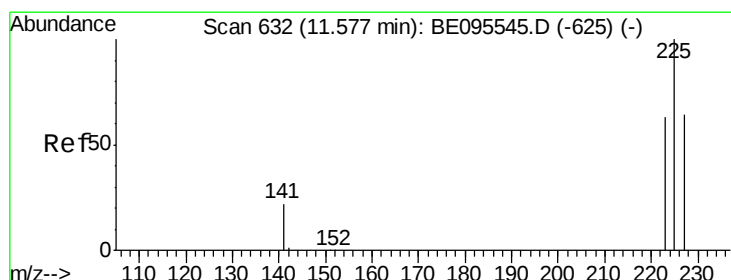
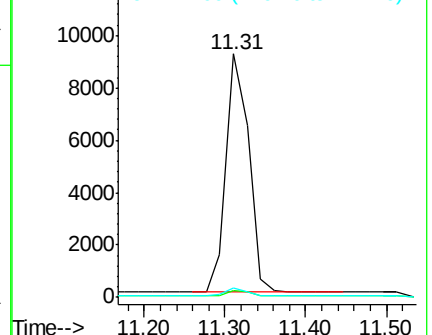
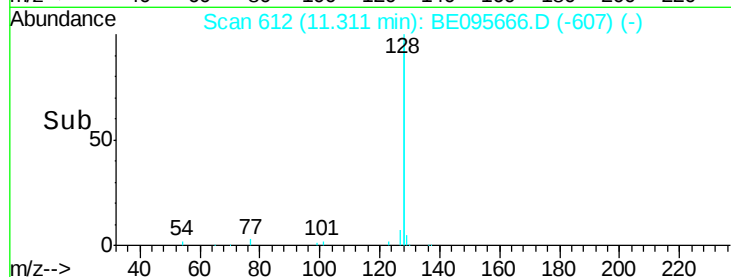
128 100

129 3.0 2.6 3.8

127 3.9 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



#10

Hexachlorobutadiene

Concen: 0.41 ng

RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

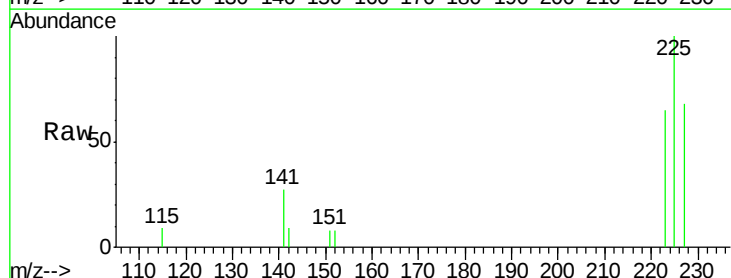
Tgt Ion:225 Resp: 1104

Ion Ratio Lower Upper

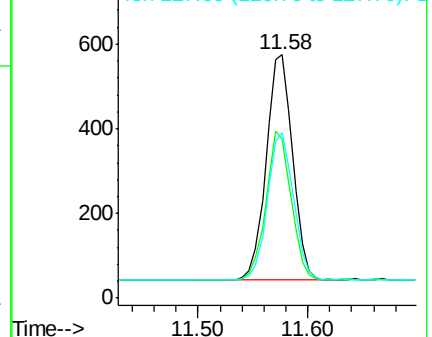
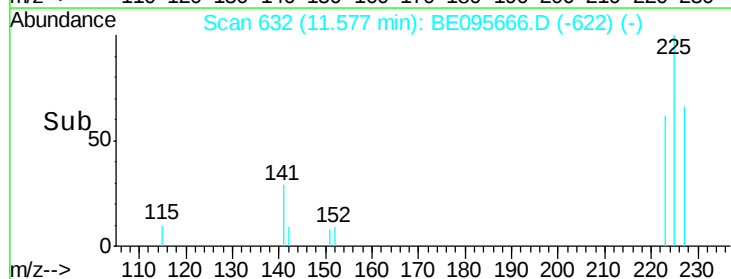
225 100

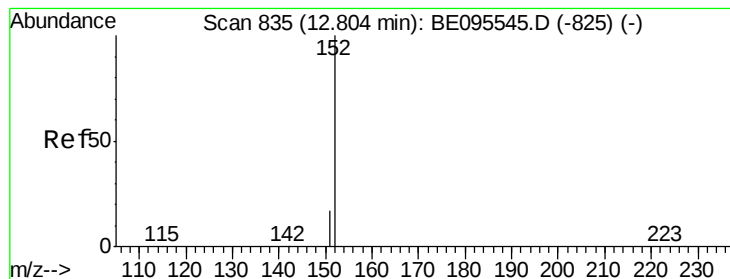
223 58.2 53.0 79.6

227 60.6 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

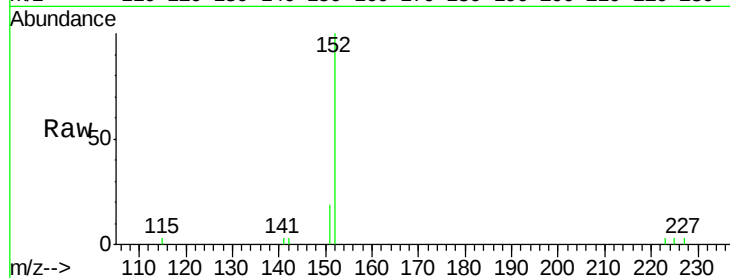
ClientSampleId :

Tot Ion:152 Resp: 2501

Ion Ratio Lower Upper

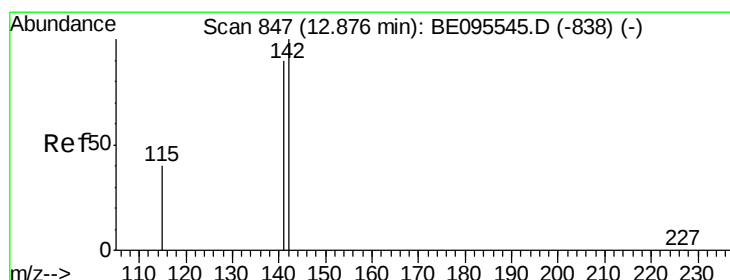
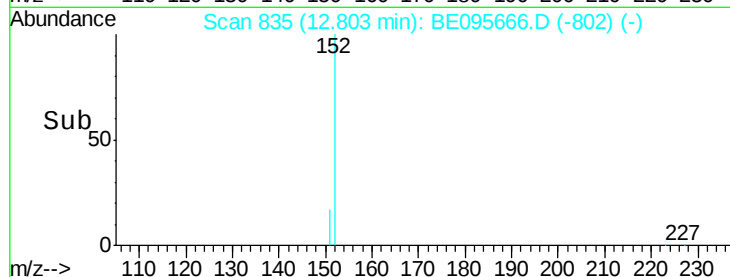
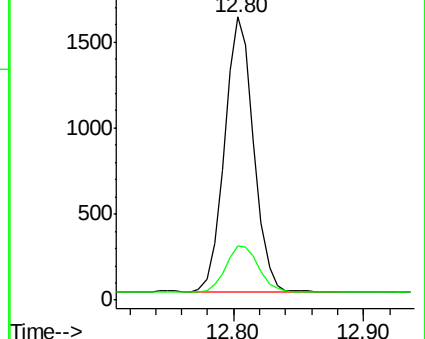
152 100

151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.35 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

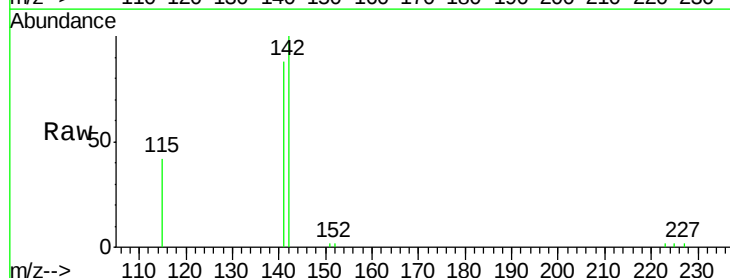
Tgt Ion:142 Resp: 2969

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

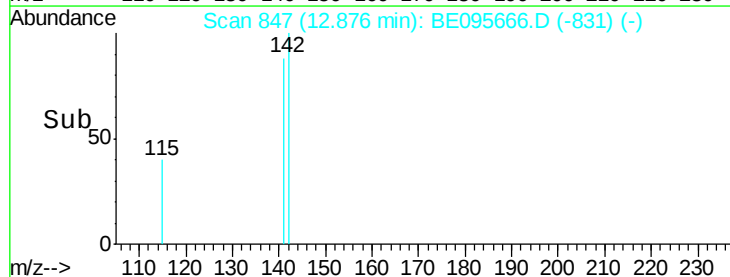
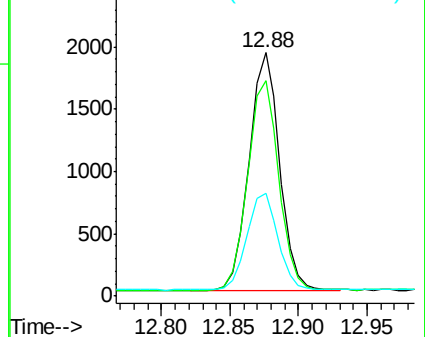
115 42.0 31.7 47.5

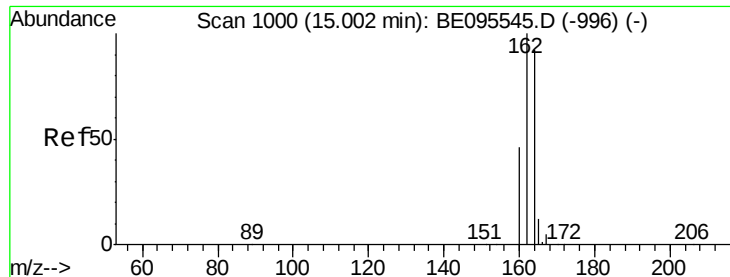


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

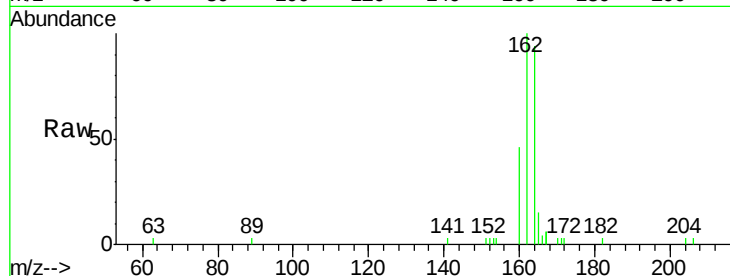
Tot Ion:164 Resp: 2272

Ion Ratio Lower Upper

164 100

162 106.7 83.1 124.7

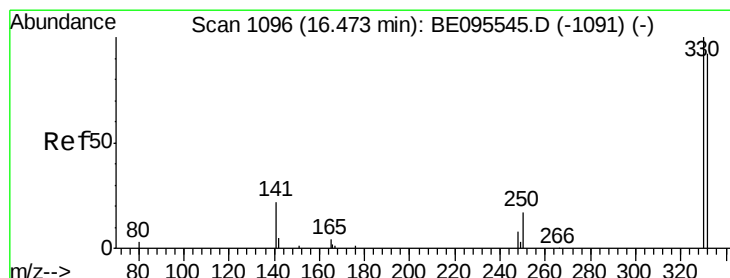
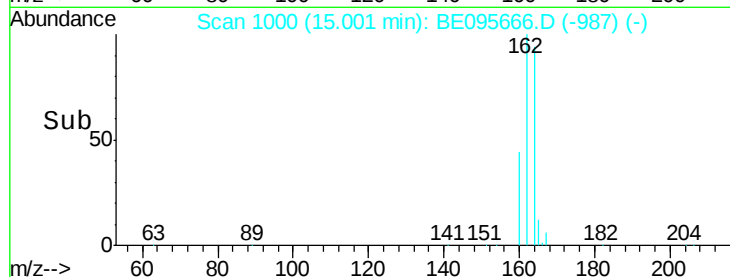
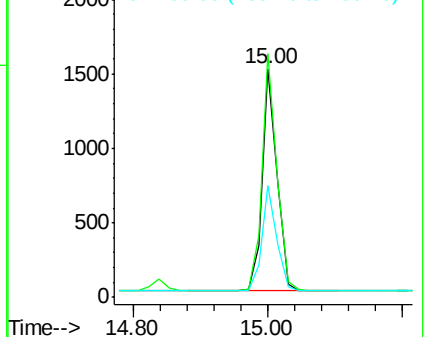
160 48.9 37.1 55.7



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: 0.29 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

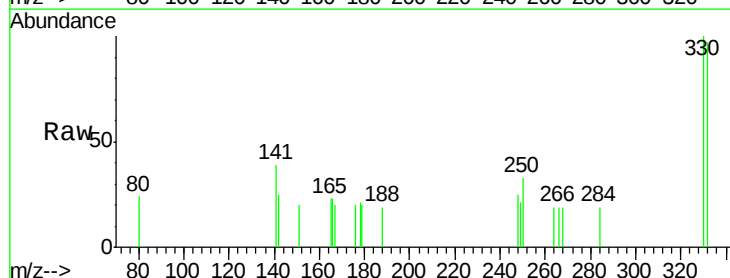
Tgt Ion:330 Resp: 301

Ion Ratio Lower Upper

330 100

332 97.7 152.7 229.1#

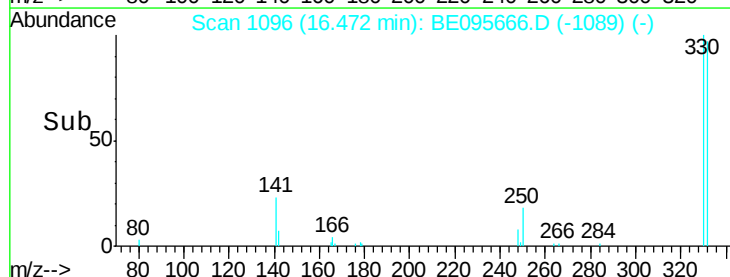
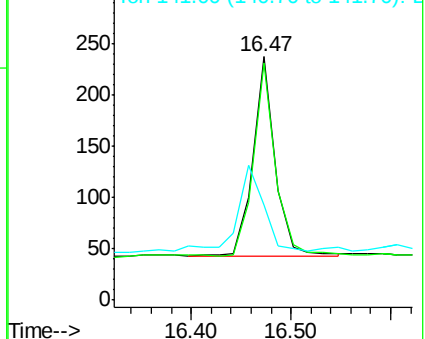
141 46.8 33.7 50.5

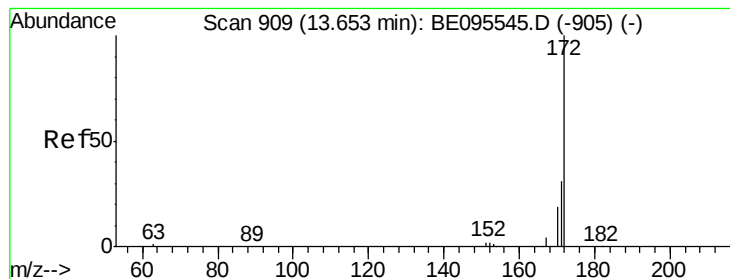


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.64 min Scan# 908

Delta R.T. -0.02 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

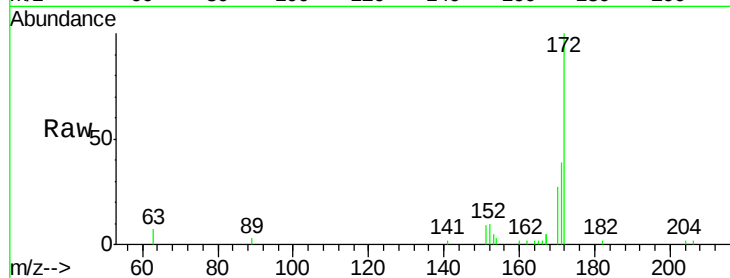
Tot Ion:172 Resp: 3445

Ion Ratio Lower Upper

172 100

171 38.6 29.9 44.9

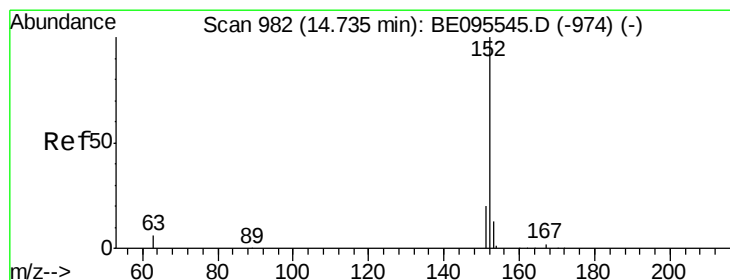
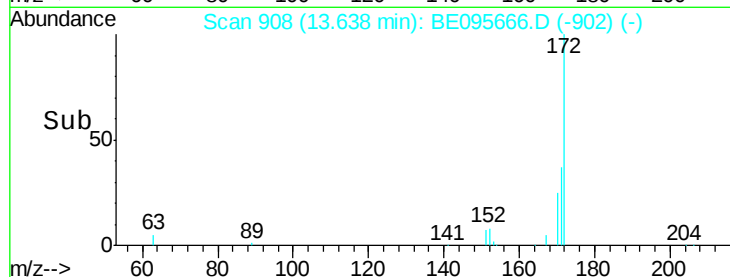
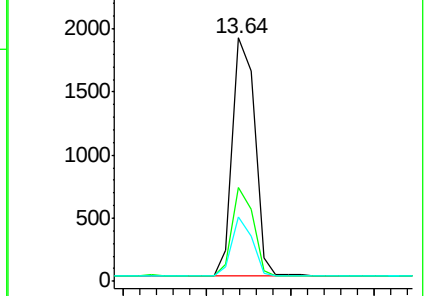
170 26.7 21.8 32.8



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



#16

Acenaphthylene

Concen: 0.32 ng

RT: 14.73 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

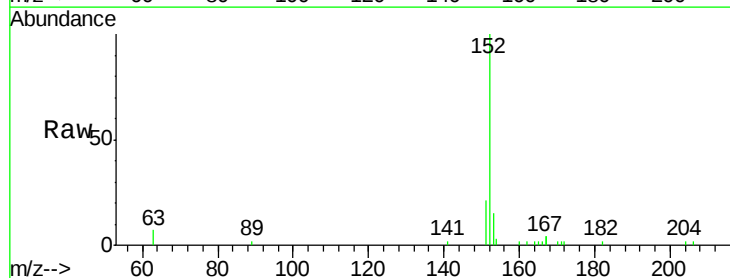
Tgt Ion:152 Resp: 4114

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

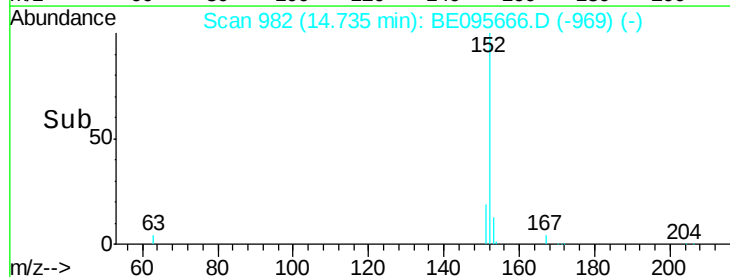
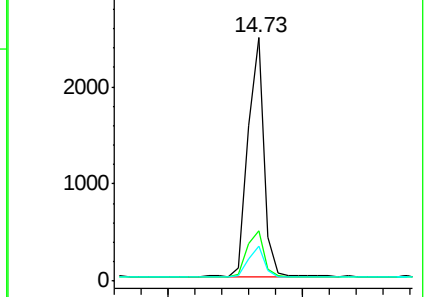
153 12.8 10.5 15.7

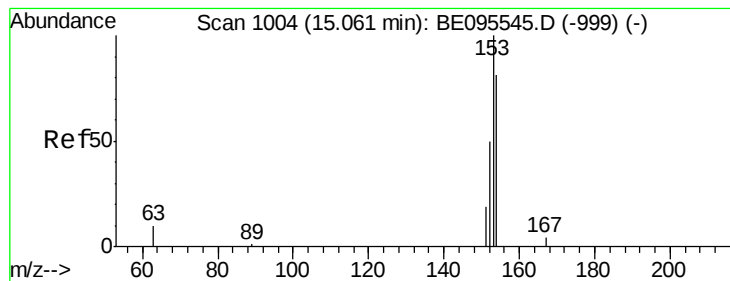


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.31 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

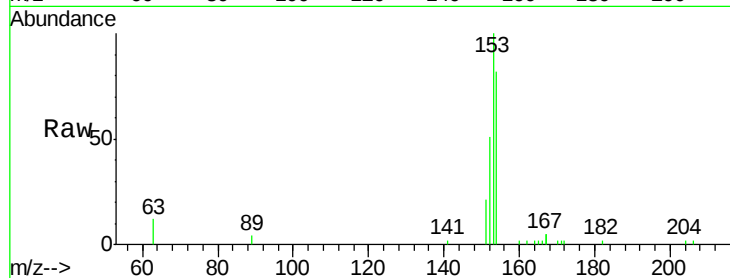
Tot Ion:154 Resp: 2516

Ion Ratio Lower Upper

154 100

153 117.4 89.2 133.8

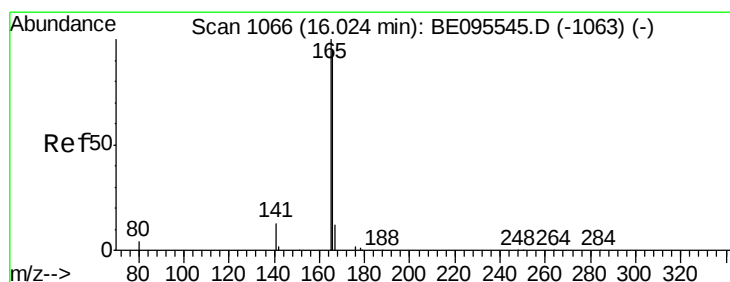
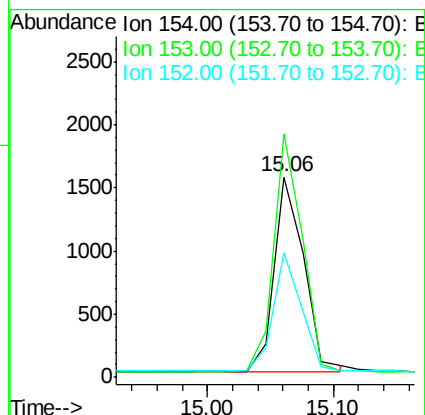
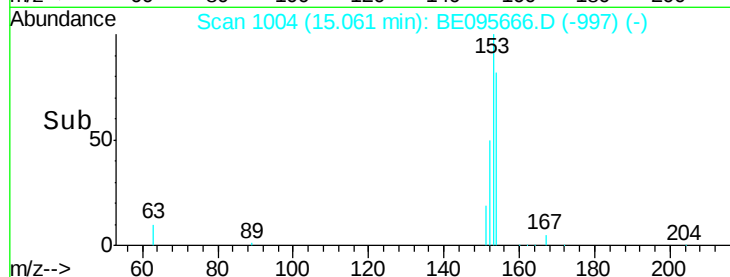
152 57.7 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.33 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

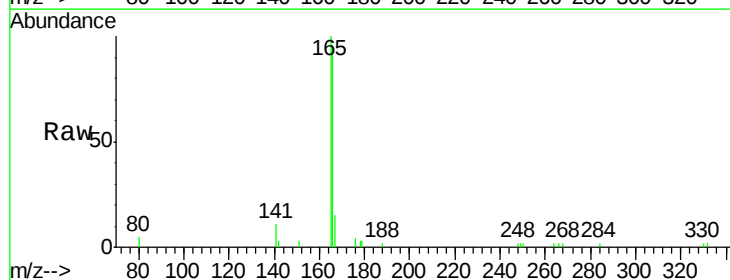
Tgt Ion:166 Resp: 3291

Ion Ratio Lower Upper

166 100

165 100.1 77.8 116.6

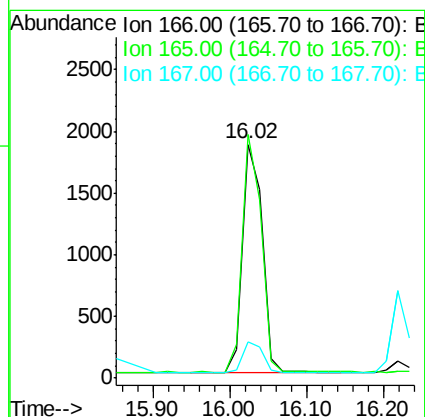
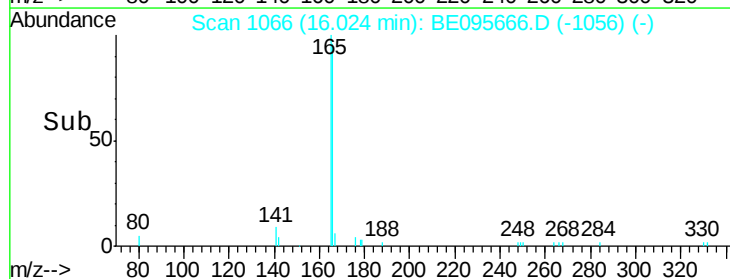
167 13.9 42.4 63.6#

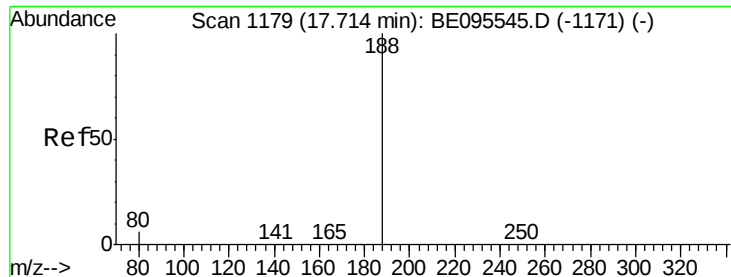


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

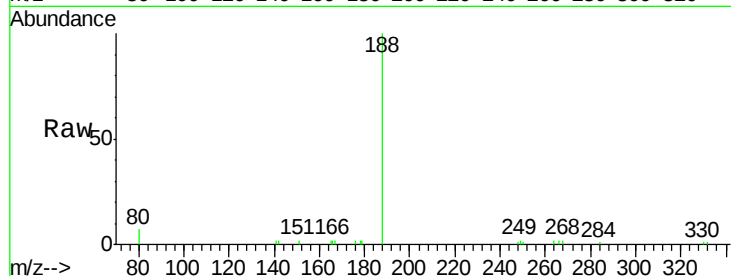
Tot Ion:188 Resp: 5109

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

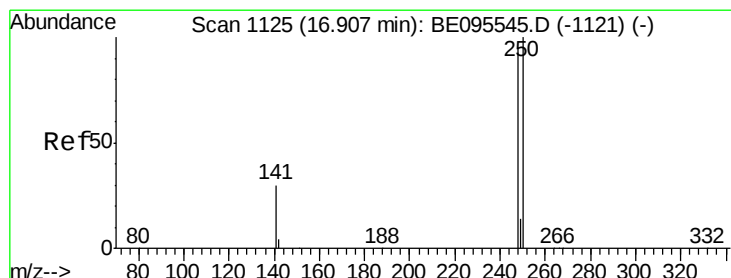
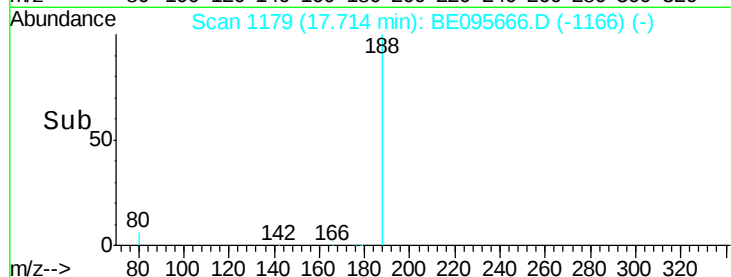
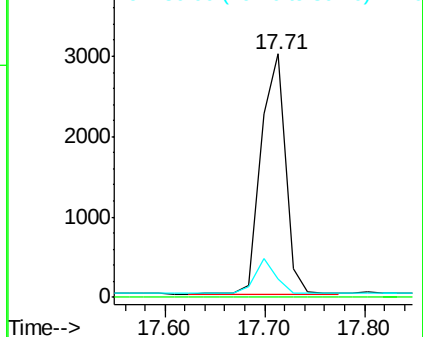
80 7.4 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.35 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

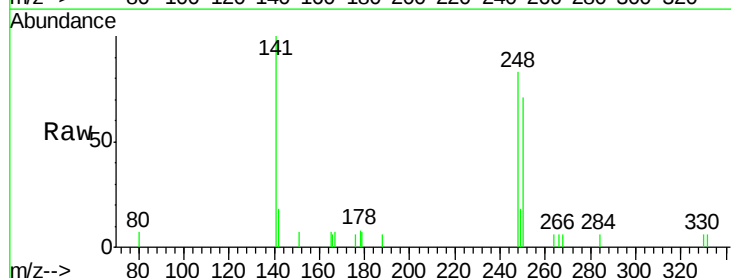
Tgt Ion:248 Resp: 1087

Ion Ratio Lower Upper

248 100

250 85.6 62.7 94.1

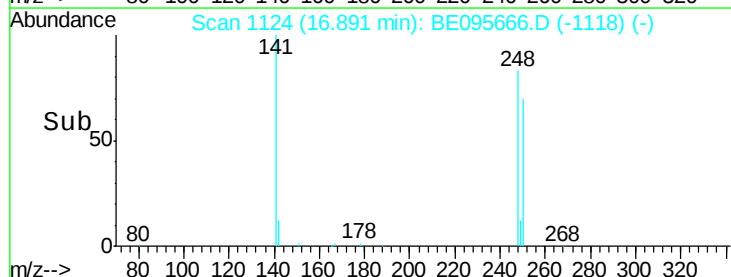
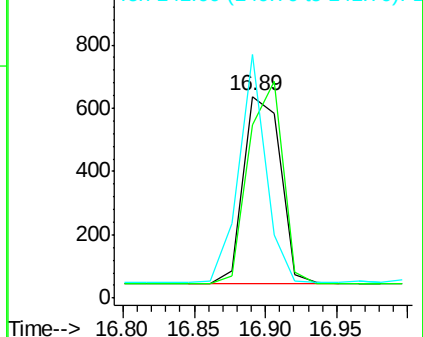
141 120.5 48.2 72.2#

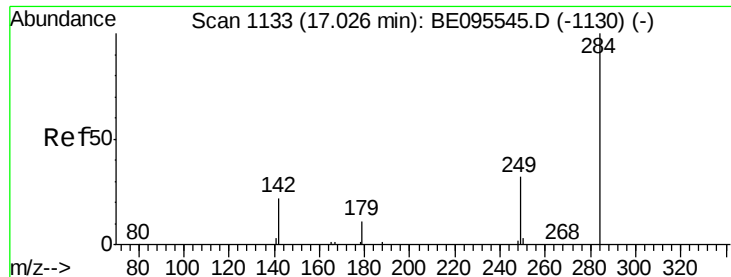


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

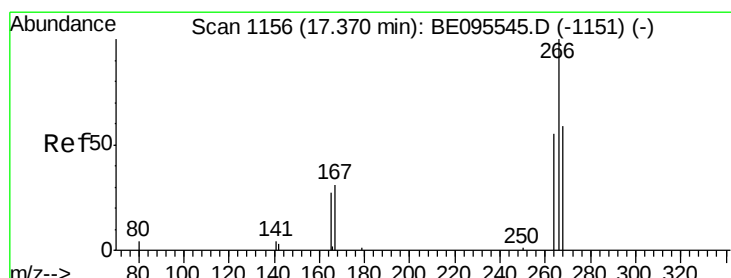
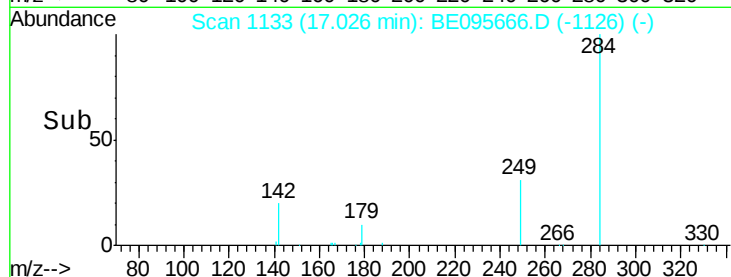
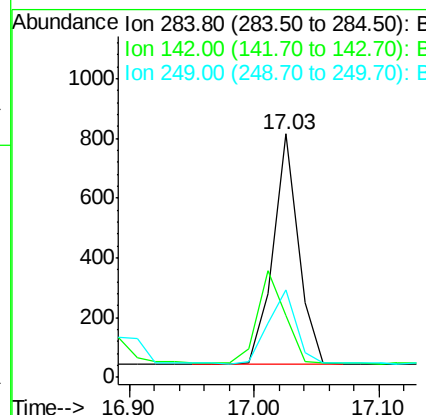
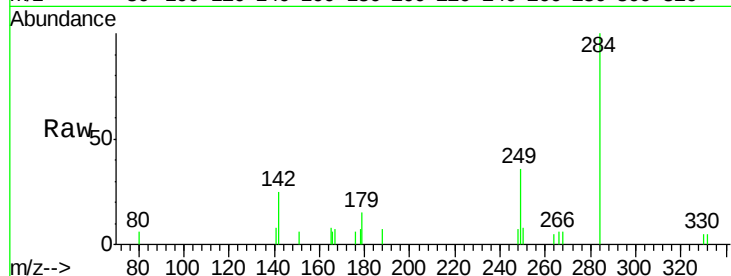




#21  
Hexachlorobenzene  
Concen: 0.35 ng  
RT: 17.03 min Scan# 1133  
Delta R.T. 0.00 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

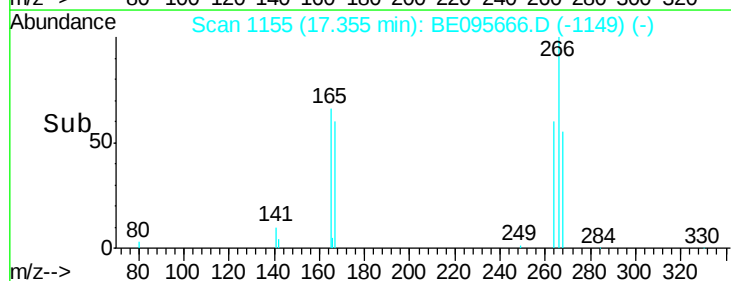
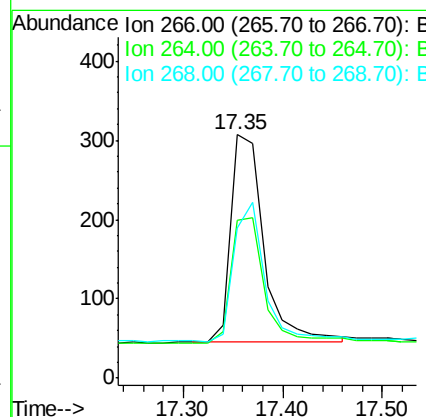
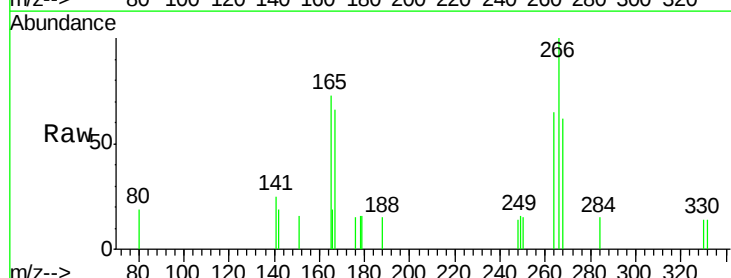
Instrument :  
BNA\_E  
ClientSampled :

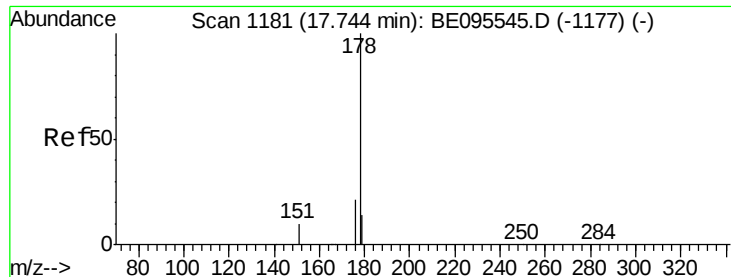
Tot Ion:284 Resp: 1103  
Ion Ratio Lower Upper  
284 100  
142 42.9 22.1 33.1#  
249 34.4 34.8 52.2#



#22  
Pentachlorophenol  
Concen: 0.62 ng  
RT: 17.35 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

Tgt Ion:266 Resp: 599  
Ion Ratio Lower Upper  
266 100  
264 65.1 72.5 108.7#  
268 61.9 73.8 110.6#





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

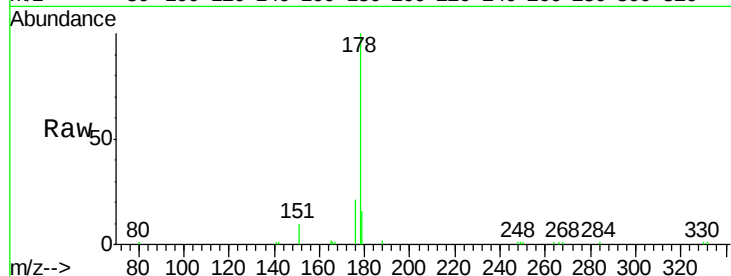
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:178 Resp: 5535

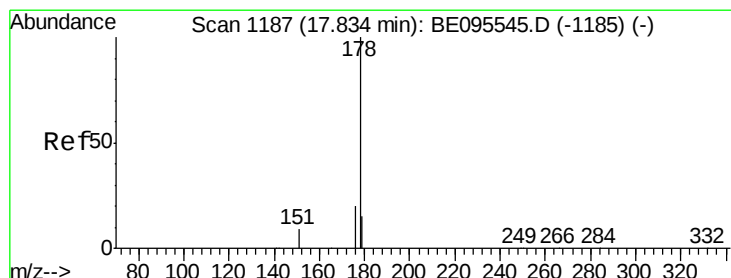
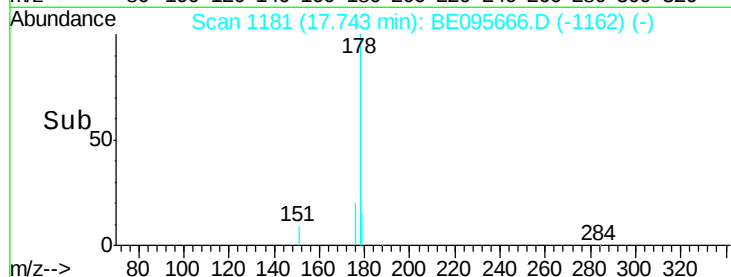
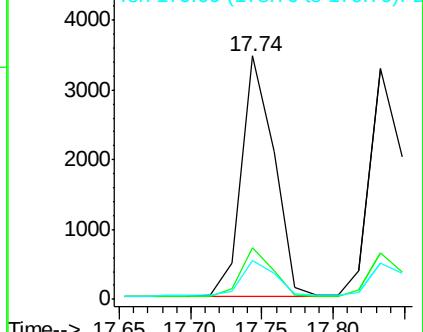
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.9  | 15.1  | 22.7  |
| 179 | 14.9  | 11.8  | 17.6  |



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



#24

Anthracene

Concen: 0.35 ng

RT: 17.83 min Scan# 1187

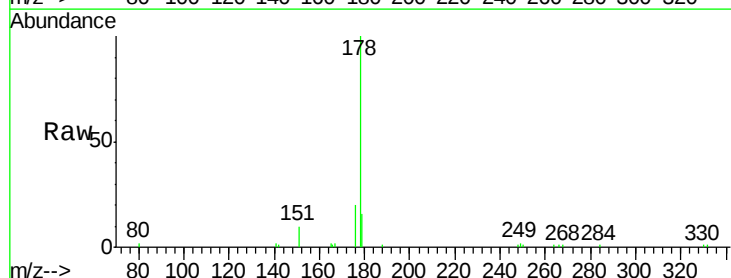
Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Tgt Ion:178 Resp: 5184

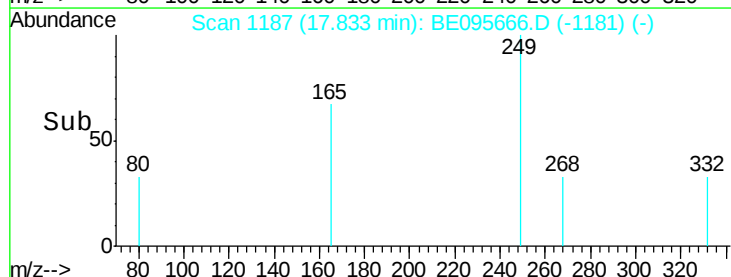
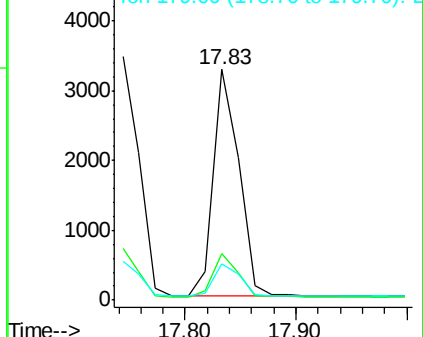
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.4  | 12.8  | 19.2  |
| 179 | 15.3  | 13.0  | 19.6  |

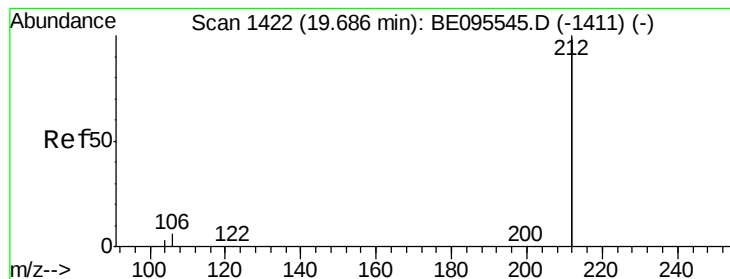


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.37 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

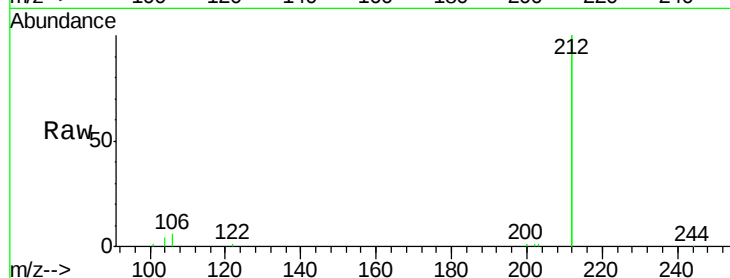
Tot Ion:212 Resp: 25047

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

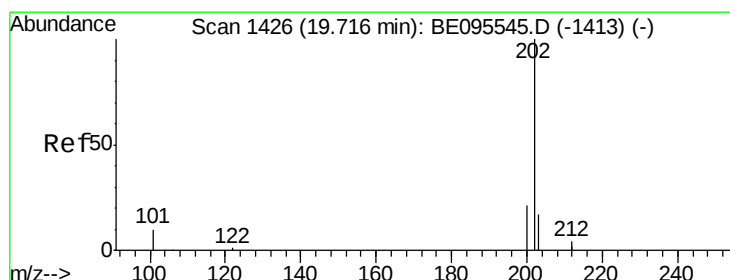
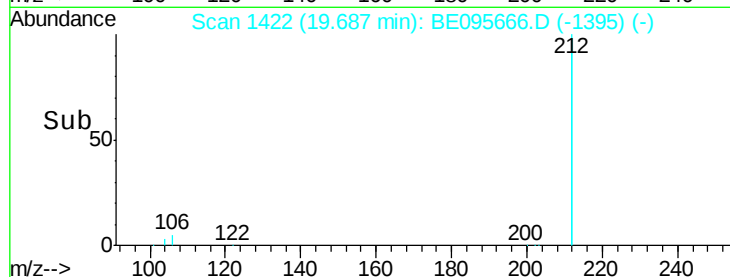
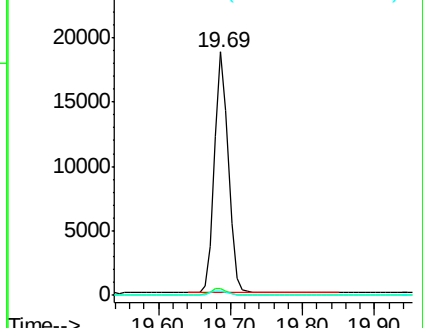
104 1.7 1.6 2.4



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



#26

Fluoranthene

Concen: 0.36 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

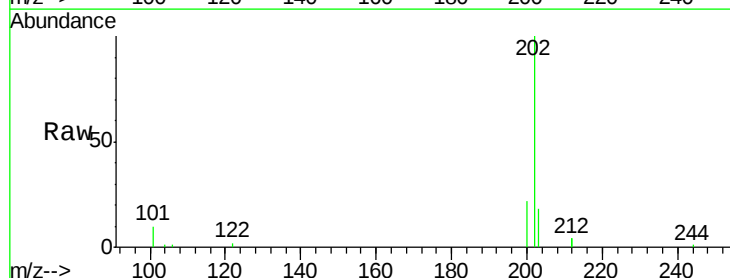
Tgt Ion:202 Resp: 7077

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

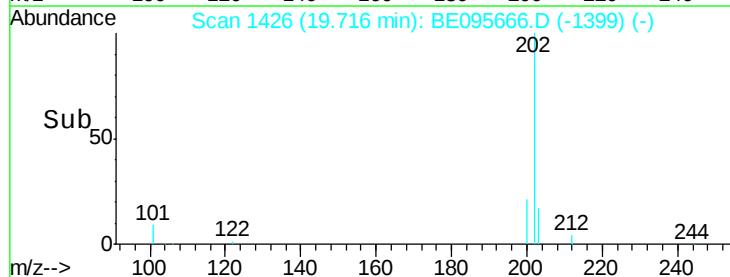
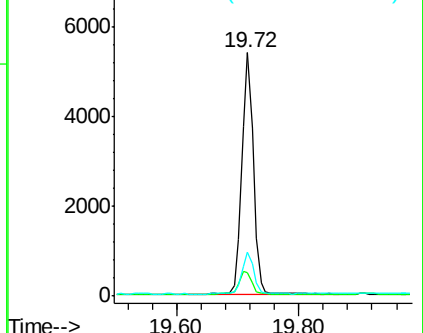
203 17.1 13.7 20.5

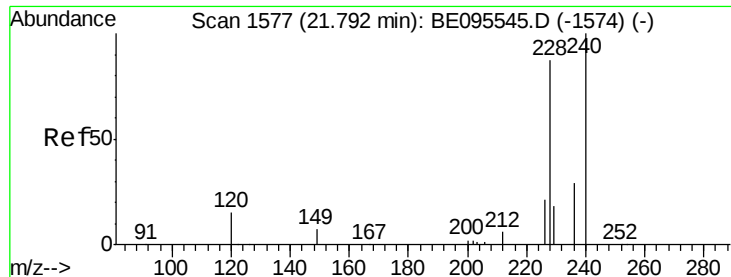


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

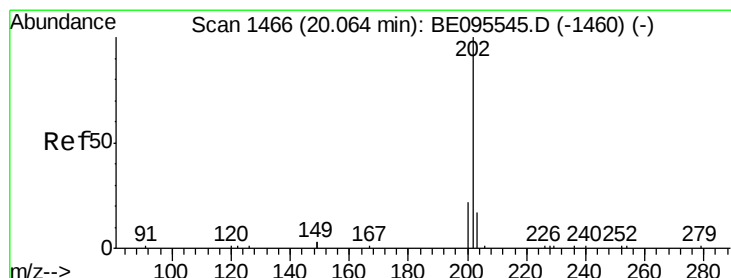
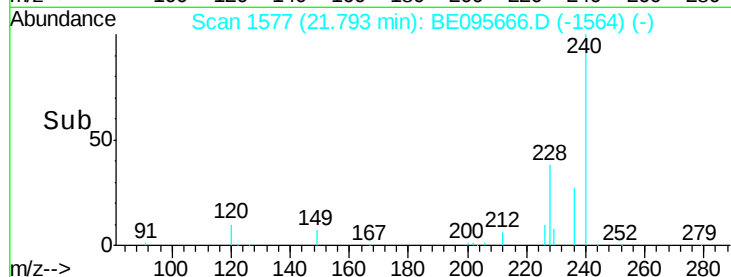
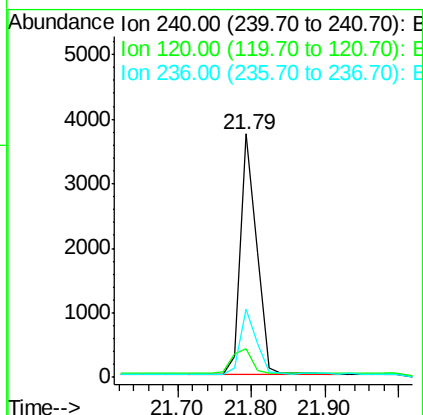
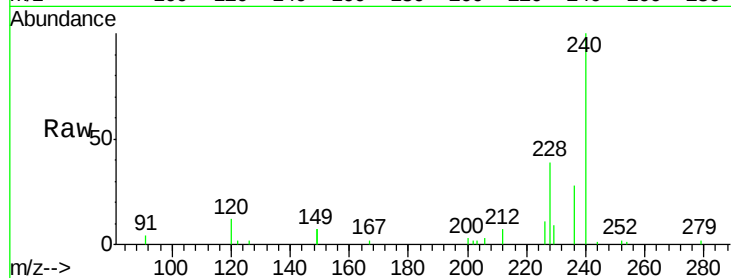




#27  
 Chrysene-d12  
 Concen: 0.40 ng  
 RT: 21.79 min Scan# 1577  
 Delta R.T. 0.00 min  
 Lab File: BE095666.D  
 Acq: 12 Feb 2018 17:56

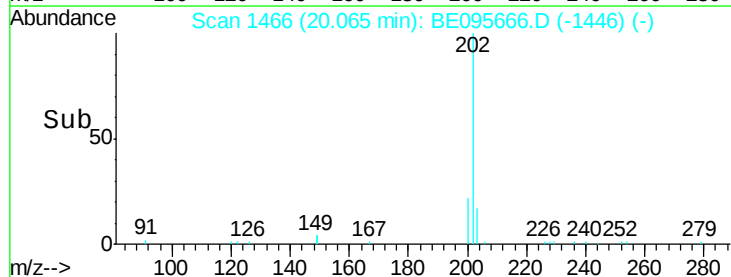
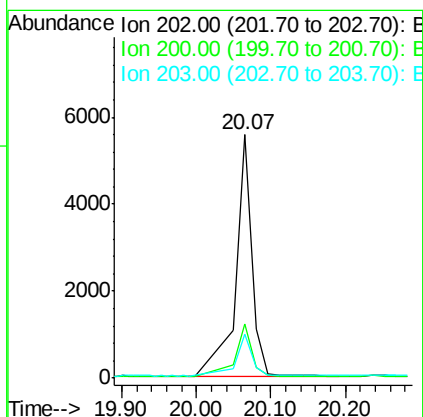
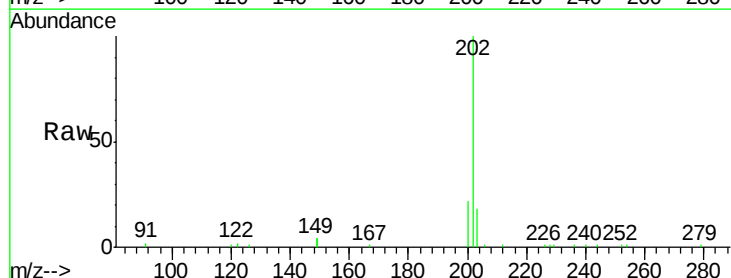
Instrument :  
 BNA\_E  
 ClientSampled :

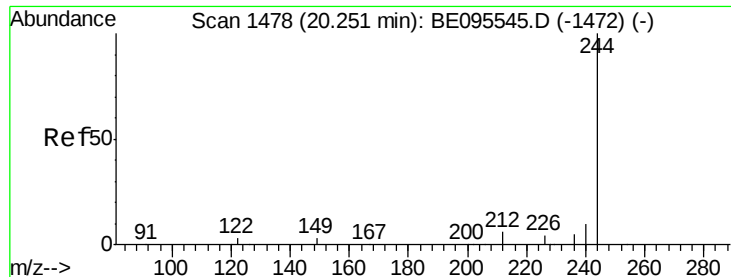
Tot Ion:240 Resp: 5675  
 Ion Ratio Lower Upper  
 240 100  
 120 11.6 5.5 8.3#  
 236 28.2 20.7 31.1



#28  
 Pyrene  
 Concen: 0.35 ng  
 RT: 20.07 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: BE095666.D  
 Acq: 12 Feb 2018 17:56

Tgt Ion:202 Resp: 8451  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 16.6 25.0  
 203 15.8 13.8 20.8





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 20.25 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

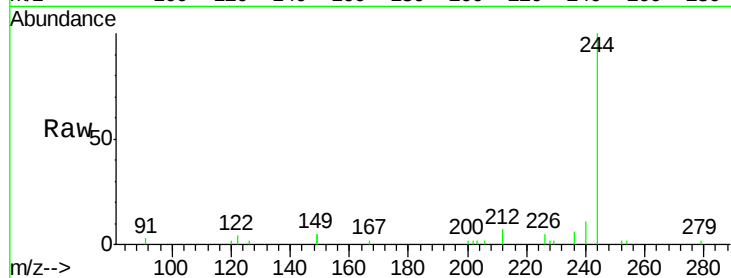
Tot Ion:244 Resp: 3982

Ion Ratio Lower Upper

244 100

212 7.2 25.4 38.0#

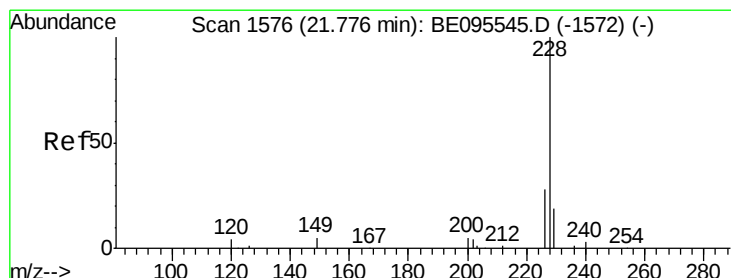
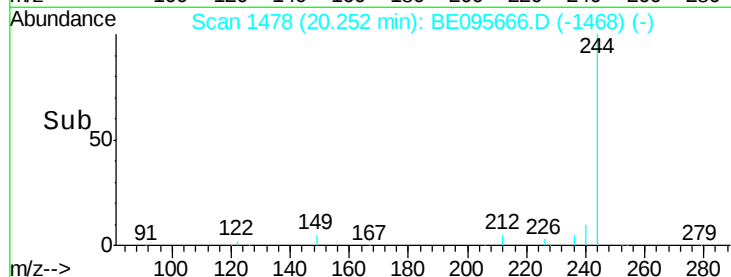
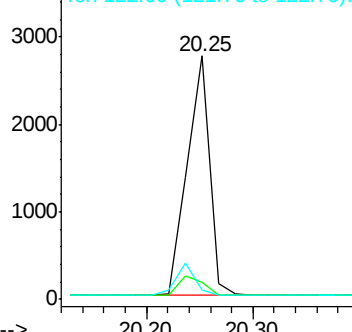
122 3.6 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.36 ng

RT: 21.78 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

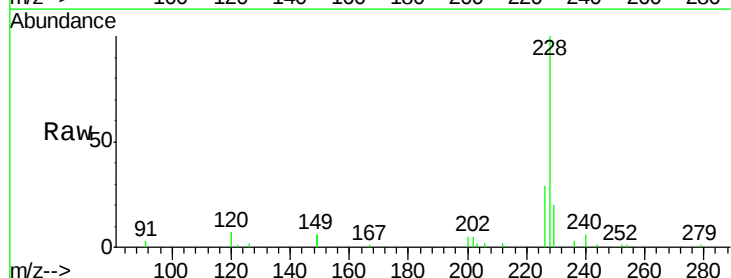
Tgt Ion:228 Resp: 6861

Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

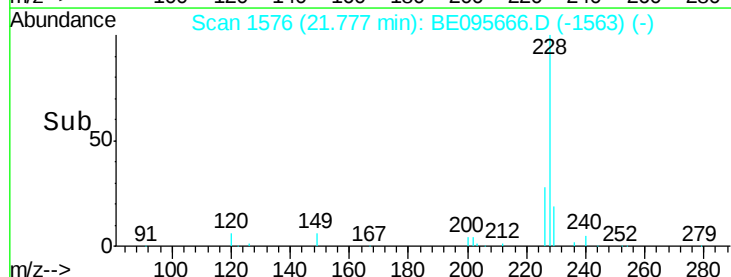
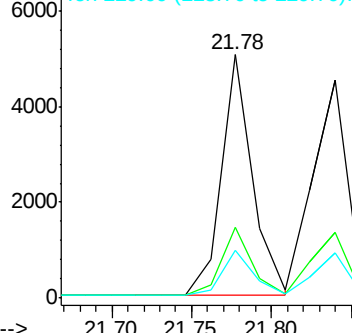
229 19.9 16.0 24.0

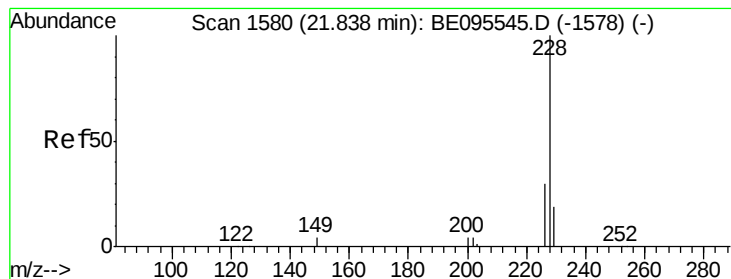


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.36 ng

RT: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

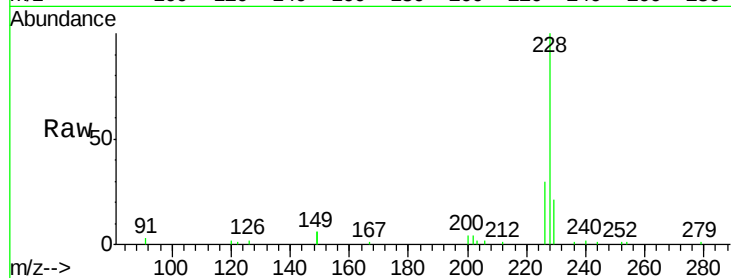
Tot Ion:228 Resp: 6784

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

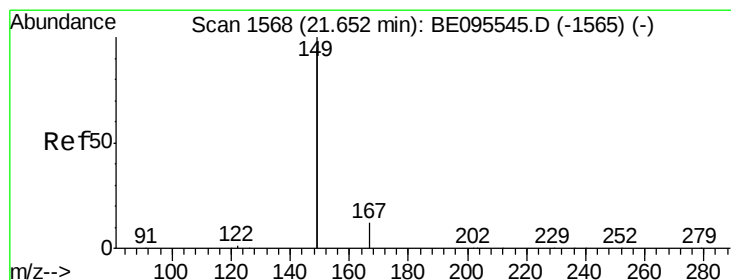
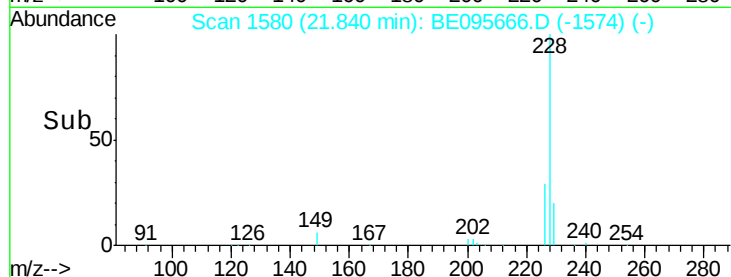
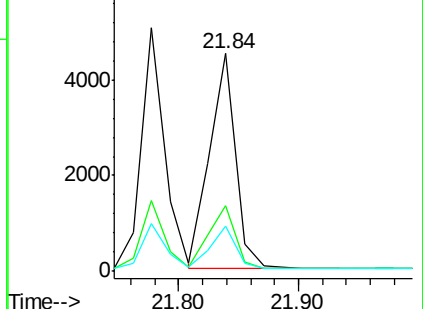
229 20.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.32 ng

RT: 21.65 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

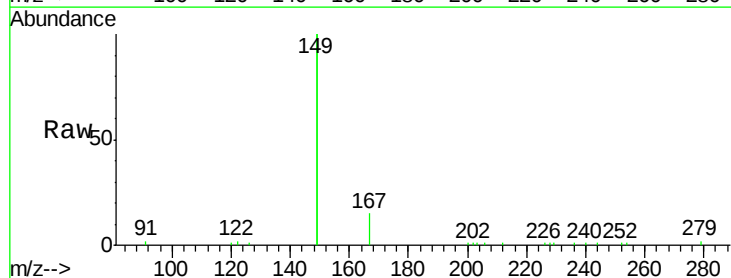
Tgt Ion:149 Resp: 13932

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

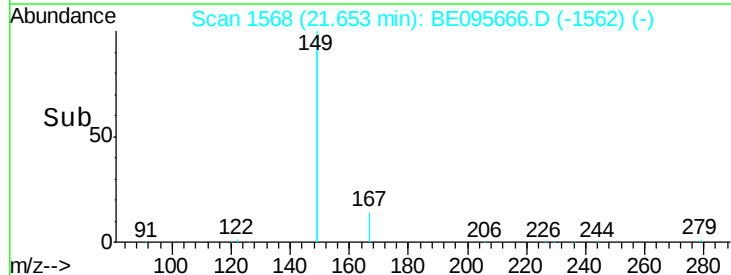
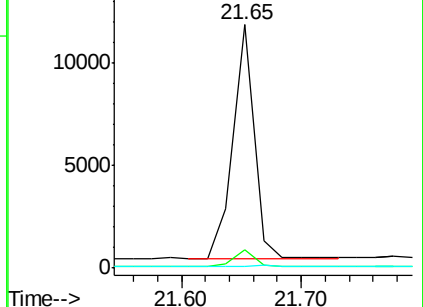
279 0.9 0.7 1.1

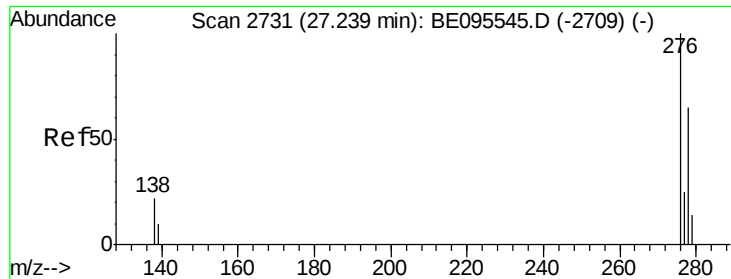


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

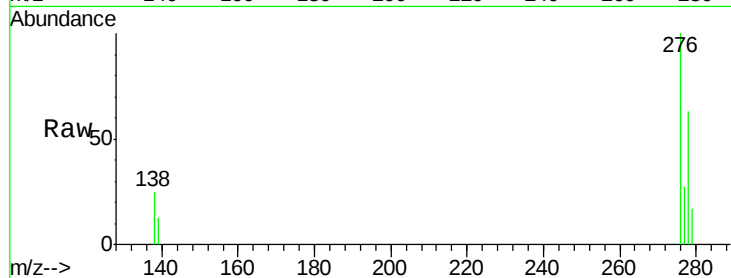




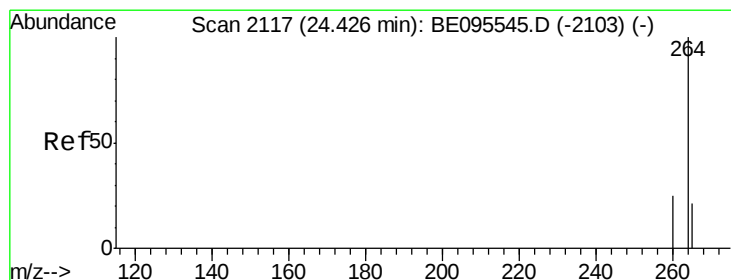
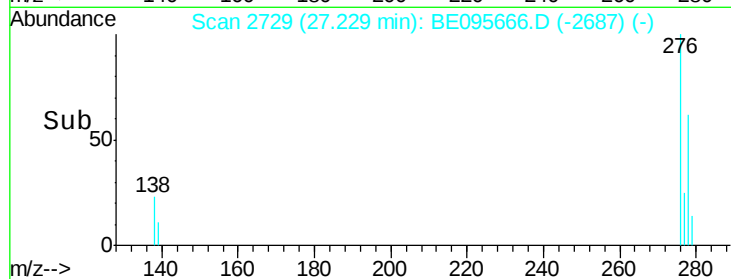
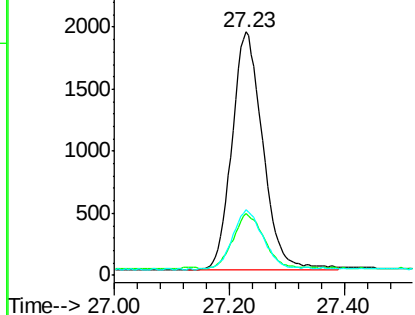
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.40 ng  
RT: 27.23 min Scan# 2729  
Delta R.T. -0.01 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:276 Resp: 7152  
Ion Ratio Lower Upper  
276 100  
138 22.8 22.5 33.7  
277 24.7 19.9 29.9

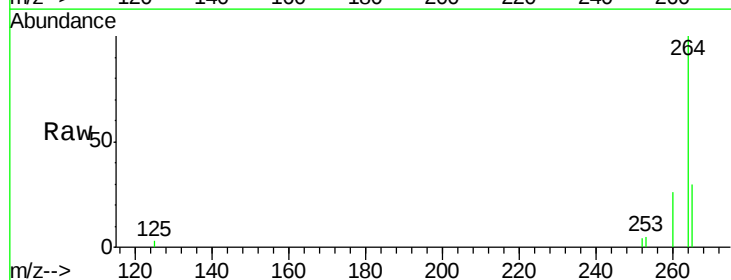


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

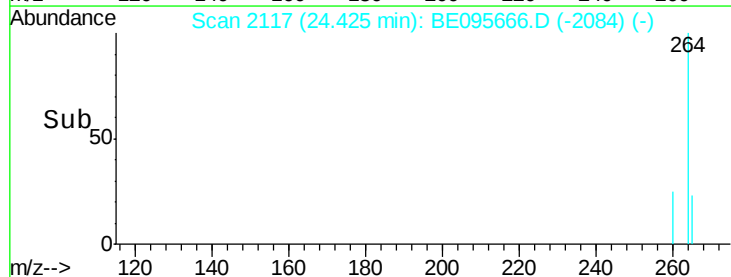
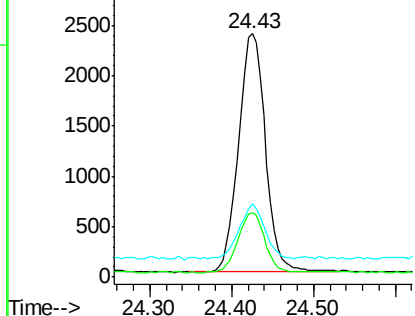


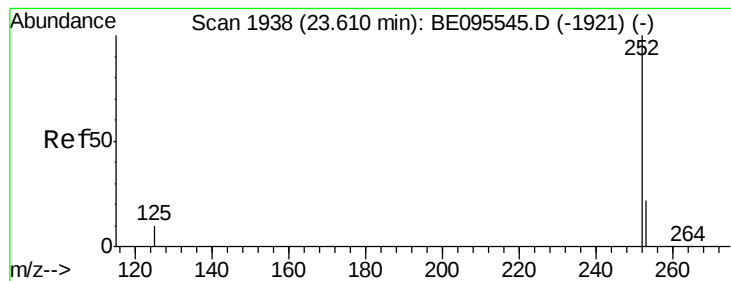
#34  
Perylene-d12  
Concen: 0.40 ng  
RT: 24.43 min Scan# 2117  
Delta R.T. -0.00 min  
Lab File: BE095666.D  
Acq: 12 Feb 2018 17:56

Tgt Ion:264 Resp: 5402  
Ion Ratio Lower Upper  
264 100  
260 26.2 20.5 30.7  
265 29.9 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





#35

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 23.61 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

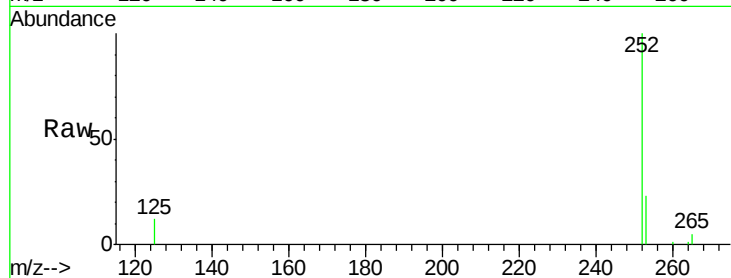
Tot Ion:252 Resp: 6693

Ion Ratio Lower Upper

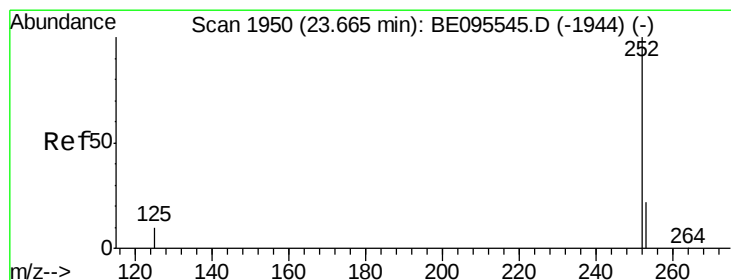
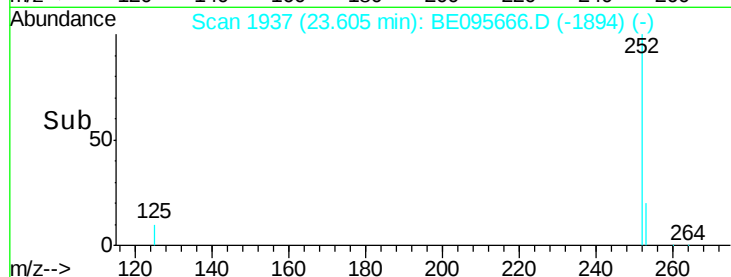
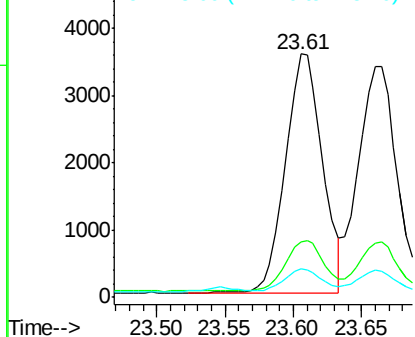
252 100

253 22.8 20.0 30.0

125 11.7 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.36 ng

RT: 23.66 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

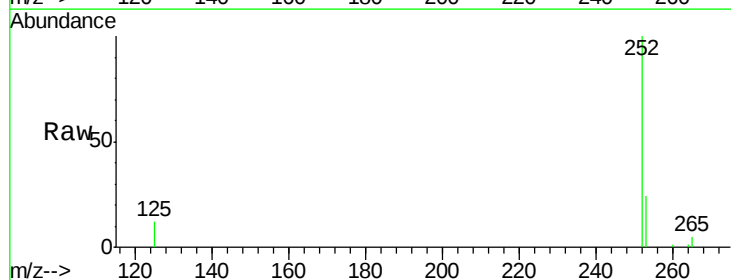
Tgt Ion:252 Resp: 6743

Ion Ratio Lower Upper

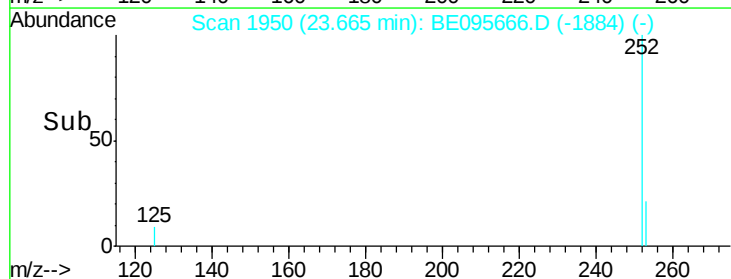
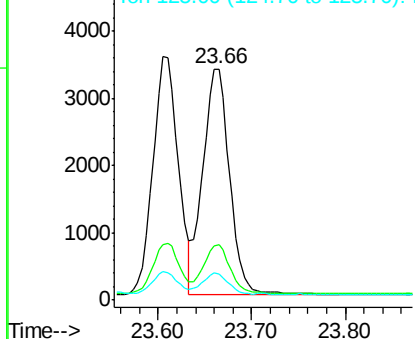
252 100

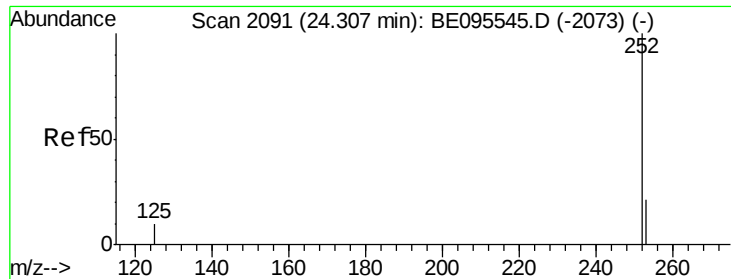
253 23.8 16.0 24.0

125 11.5 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.37 ng

RT: 24.31 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

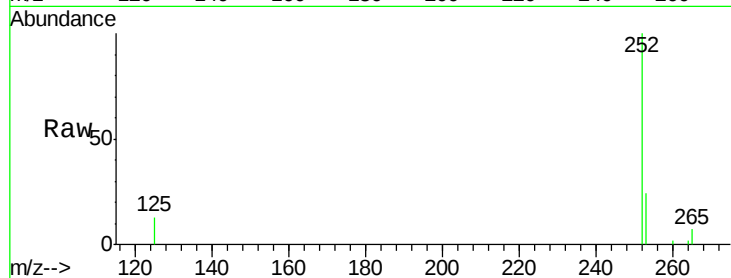
Tot Ion:252 Resp: 6291

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

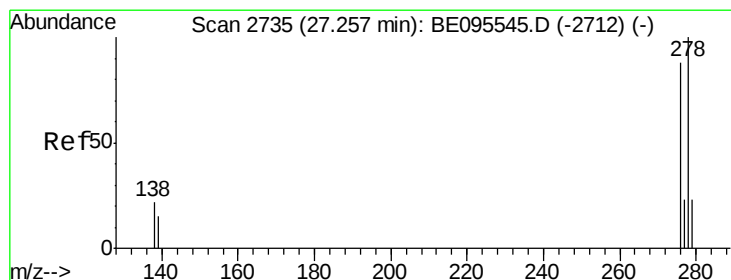
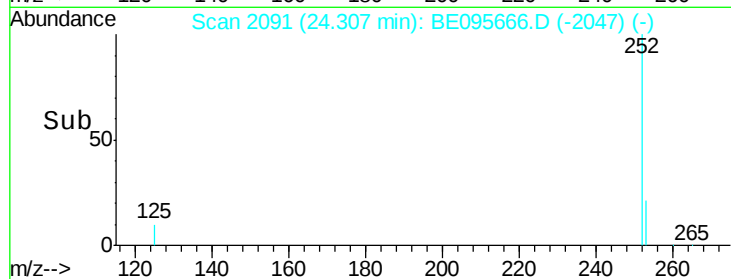
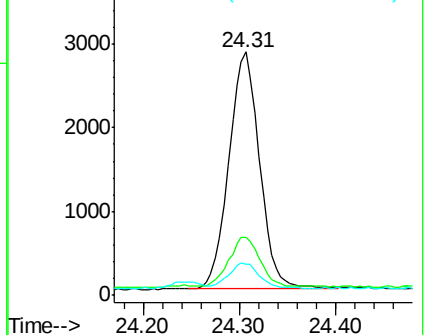
125 12.8 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 27.25 min Scan# 2733

Delta R.T. -0.01 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

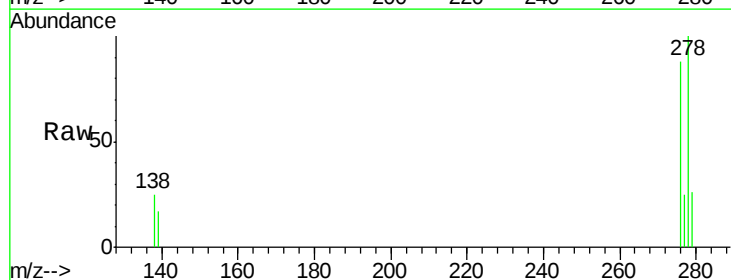
Tgt Ion:278 Resp: 5716

Ion Ratio Lower Upper

278 100

139 17.2 16.0 24.0

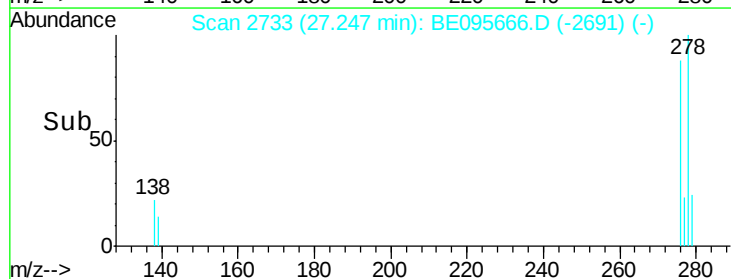
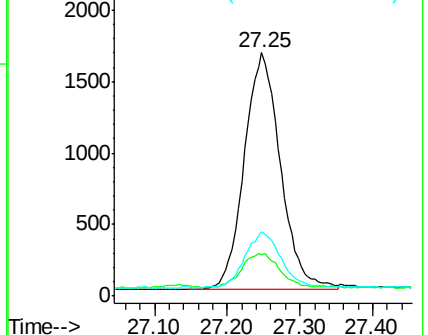
279 26.4 20.0 30.0

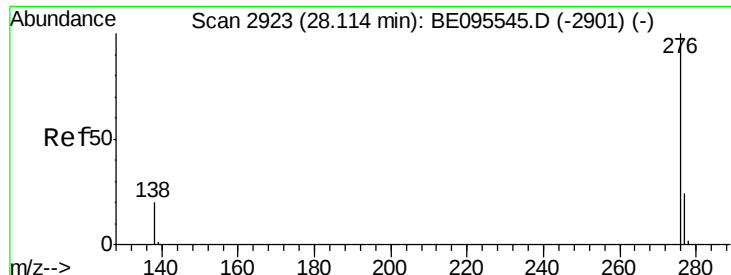


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.38 ng

RT: 28.10 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BE095666.D

Acq: 12 Feb 2018 17:56

Instrument :

BNA\_E

ClientSampleId :

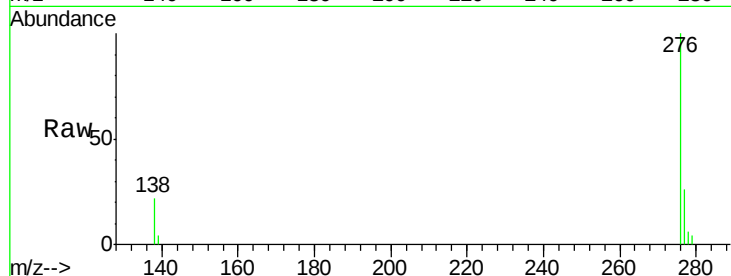
Tot Ion: 276 Resp: 6083

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 22.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

