

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\  
 Data File : BE094132.D  
 Acq On : 26 Sep 2017 17:16  
 Operator : SJ/JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 19:21:52 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 25 17:37:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1588     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 8303     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 5186     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 18134    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 14279    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.91 | 264  | 13497    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.50  | 112 | 2234  | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 7.09  | 99  | 3399  | 0.41 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 2820  | 0.35 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 5156  | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 847   | 0.27 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 6709  | 0.39 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.27 | 212 | 62209 | 0.35 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 10638 | 0.41 | ng | 0.00 |

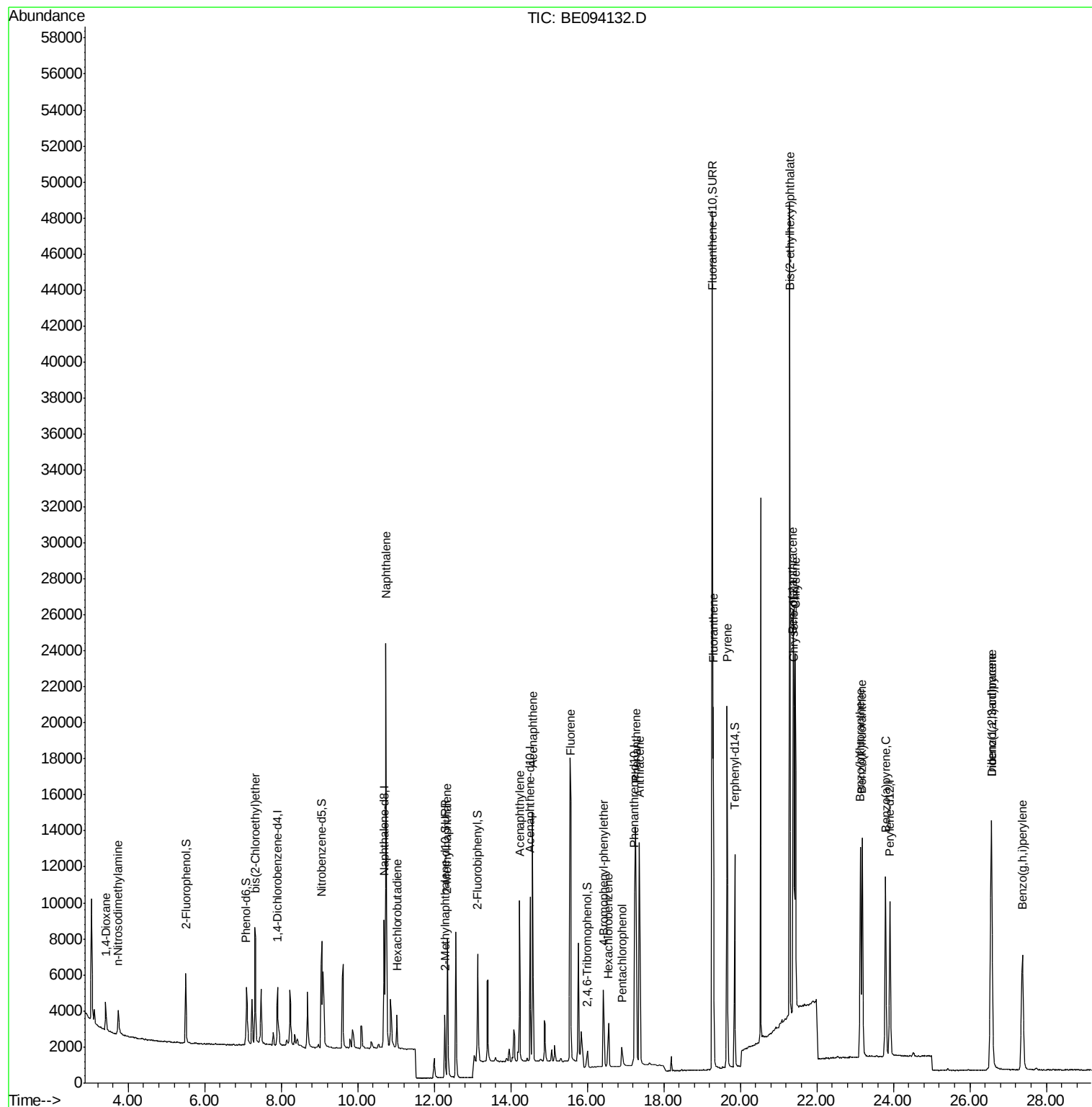
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 1272  | 0.411  | ng | # 86 |
| 3) n-Nitrosodimethylamine      | 3.73  | 42  | 1257  | 0.318  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 7.33  | 93  | 2566  | 0.396  | ng | 94   |
| 9) Naphthalene                 | 10.74 | 128 | 37418 | 0.399  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.02 | 225 | 1390  | 0.396  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 6124  | 0.403  | ng | 99   |
| 16) Acenaphthylene             | 14.23 | 152 | 10164 | 0.391  | ng | 100  |
| 17) Acenaphthene               | 14.57 | 154 | 6817  | 0.420  | ng | 98   |
| 18) Fluorene                   | 15.56 | 166 | 8807  | 0.399  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 3256  | 0.438  | ng | 95   |
| 21) Hexachlorobenzene          | 16.55 | 284 | 2343  | 0.499  | ng | # 89 |
| 22) Pentachlorophenol          | 16.91 | 266 | 1136  | 0.264  | ng | # 73 |
| 23) Phenanthrene               | 17.27 | 178 | 19999 | 0.431  | ng | 99   |
| 24) Anthracene                 | 17.37 | 178 | 18857 | 0.387  | ng | 98   |
| 26) Fluoranthene               | 19.30 | 202 | 18514 | 0.356  | ng | 99   |
| 28) Pyrene                     | 19.66 | 202 | 19517 | 0.431  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 18451 | 0.384  | ng | 98   |
| 31) Chrysene                   | 21.44 | 228 | 18664 | 0.402  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 51392 | 0.181  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.56 | 276 | 18428 | 0.371  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 17704 | 0.364  | ng | 97   |
| 36) Benzo(k)fluoranthene       | 23.19 | 252 | 17551 | 0.376  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.79 | 252 | 16756 | 0.381  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278 | 15664 | 0.376  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 15704 | 0.381  | ng | 98   |

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\  
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :

Quant Time: Sep 26 19:21:52 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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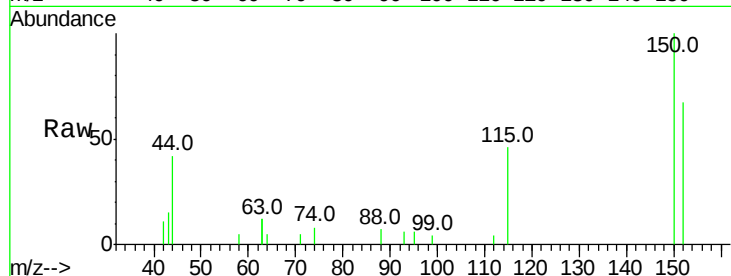


#1

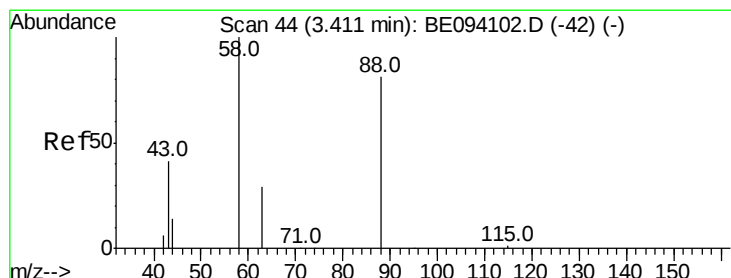
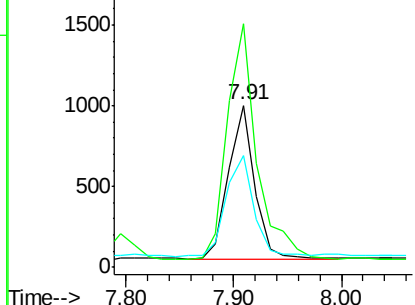
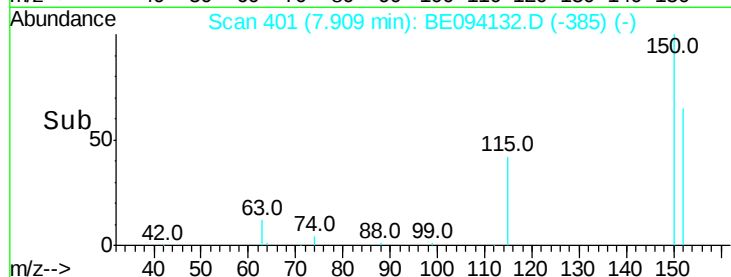
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1588  
Ion Ratio Lower Upper  
152 100  
150 150.2 117.2 175.8  
115 69.2 57.0 85.6



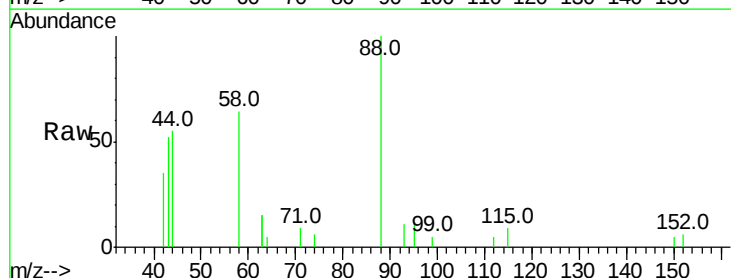
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



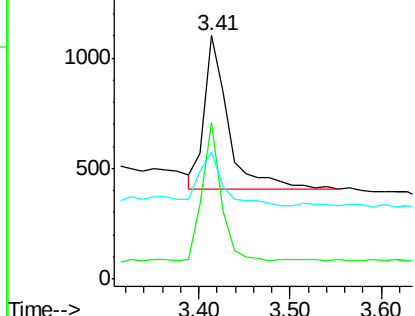
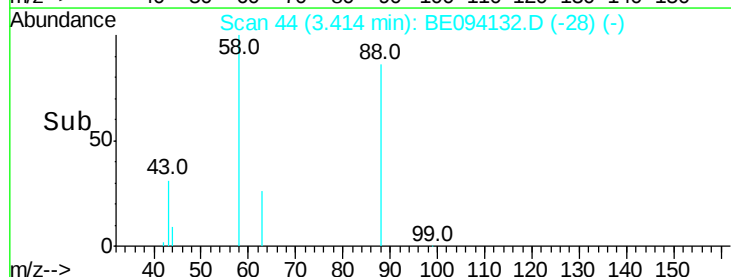
#2

1,4-Dioxane  
Concen: 0.411 ng  
RT: 3.41 min Scan# 44  
Delta R.T. 0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

Tgt Ion: 88 Resp: 1272  
Ion Ratio Lower Upper  
88 100  
58 71.9 63.2 94.8  
43 36.3 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



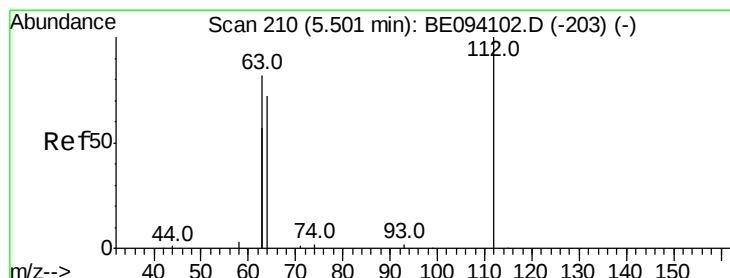
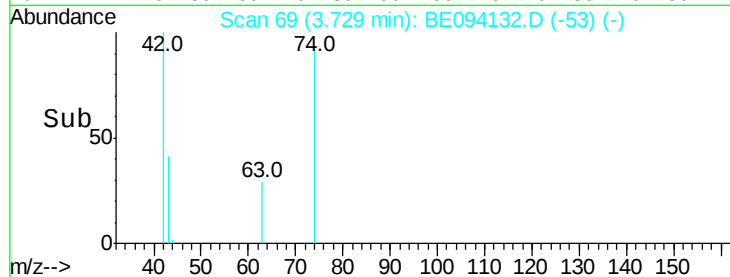
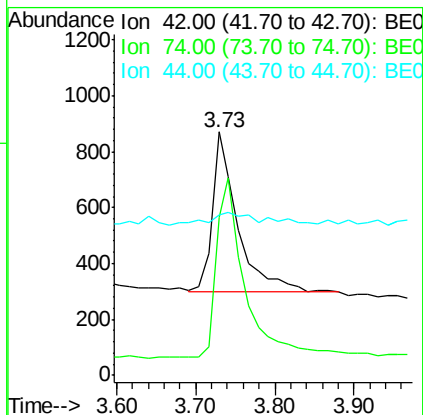
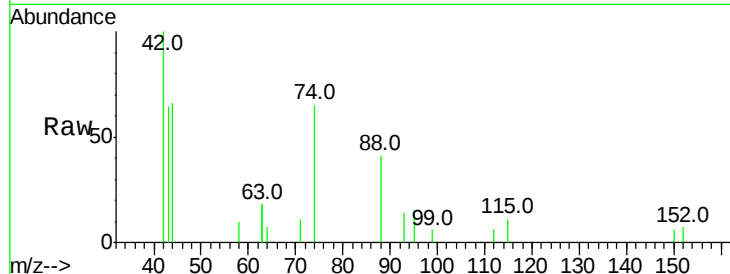


#3

n-Nitrosodimethylamine  
 Concen: 0.318 ng  
 RT: 3.73 min Scan# 69  
 Delta R.T. 0.00 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

Instrument :  
 BNA\_E  
 ClientSampleId :

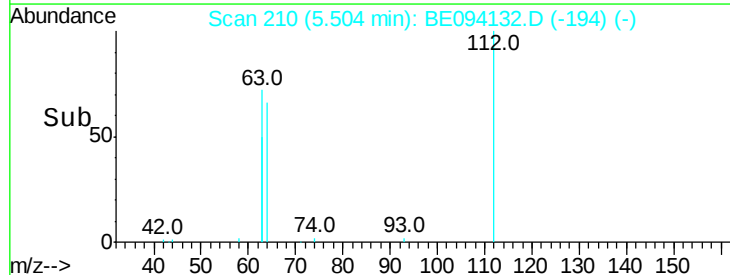
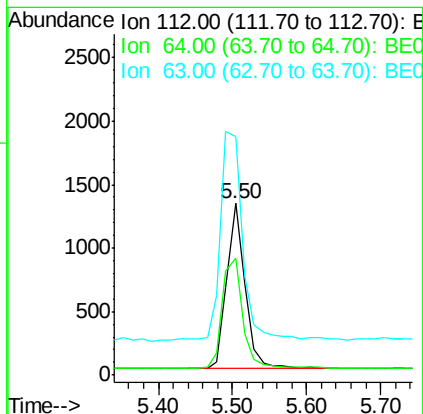
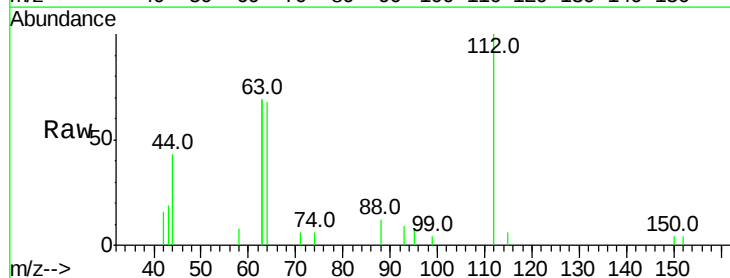
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 132.1 | 100.3 | 150.5 |
| 44      | 16.3  | 17.0  | 25.4# |



#4

2-Fluorophenol  
 Concen: 0.371 ng  
 RT: 5.50 min Scan# 210  
 Delta R.T. 0.00 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.2  | 60.1  | 90.1  |
| 63      | 156.4 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.406 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampled :

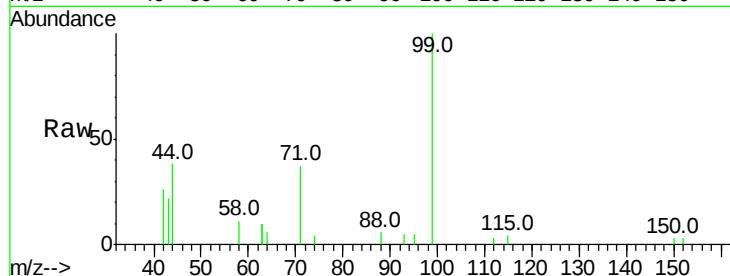
Tot Ion: 99 Resp: 3399

Ion Ratio Lower Upper

99 100

42 23.1 20.2 30.2

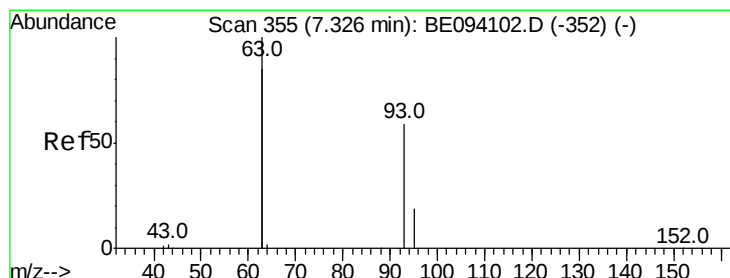
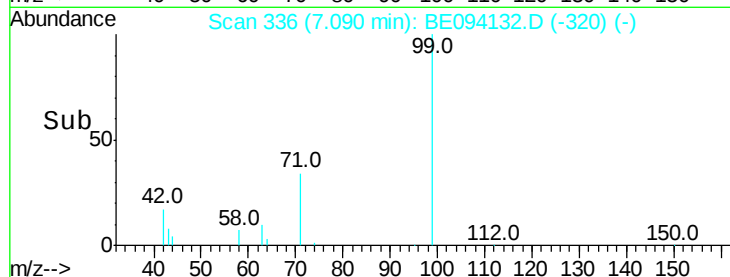
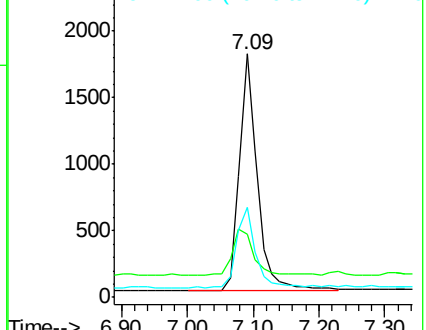
71 35.7 28.4 42.6



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: 0.396 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

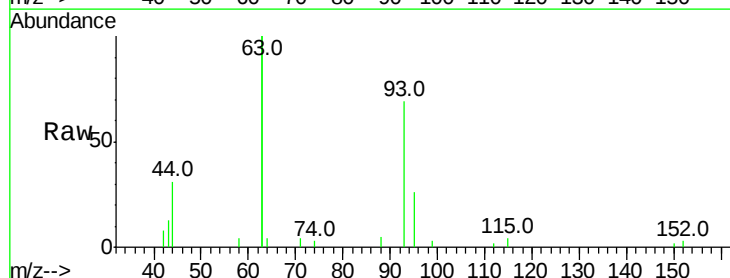
Tgt Ion: 93 Resp: 2566

Ion Ratio Lower Upper

93 100

63 356.9 275.3 412.9

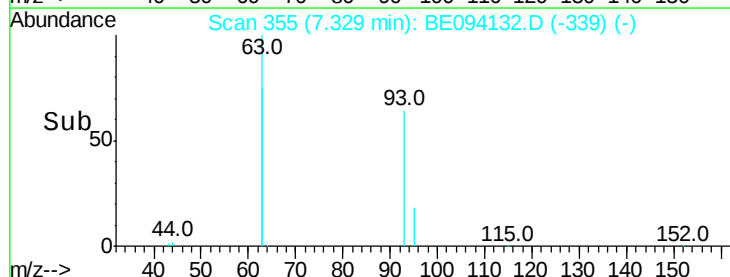
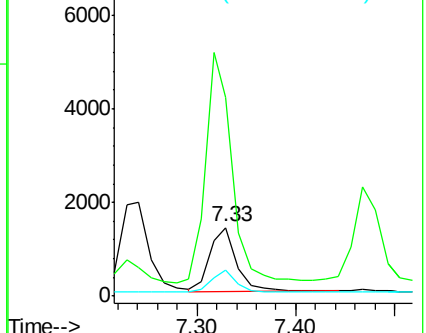
95 32.2 25.2 37.8

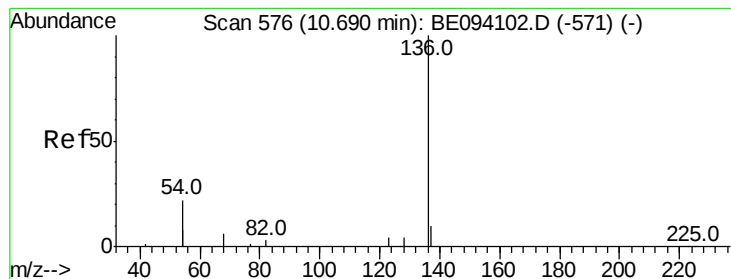


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 8303

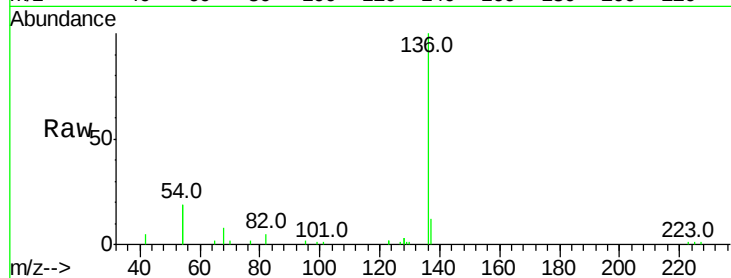
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 38.7 29.1 43.7

68 8.1 6.2 9.2

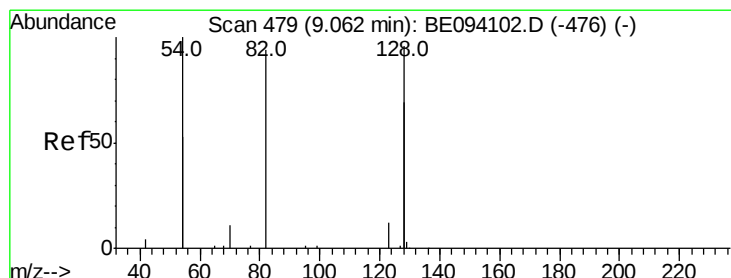
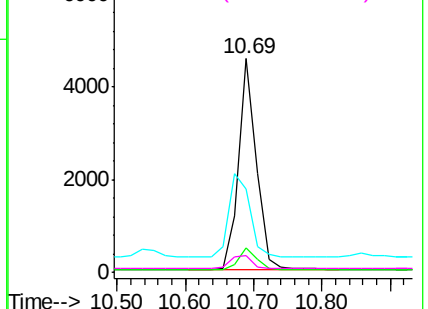
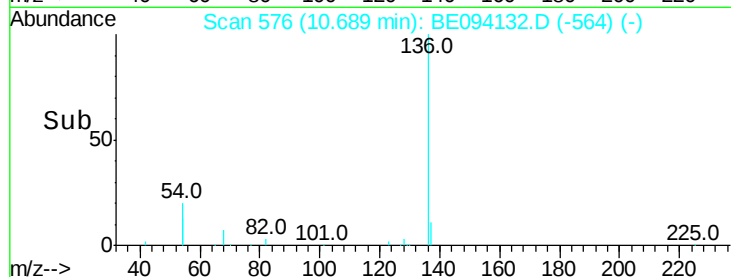


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

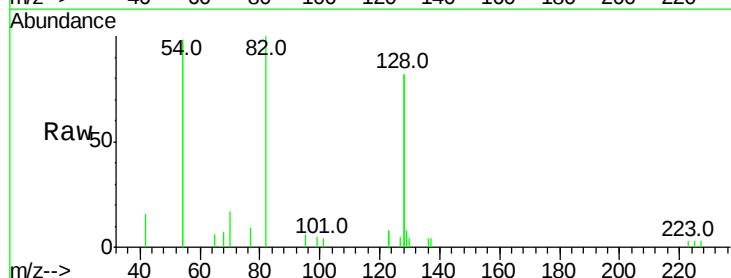
Tgt Ion: 82 Resp: 2820

Ion Ratio Lower Upper

82 100

128 164.7 150.0 225.0

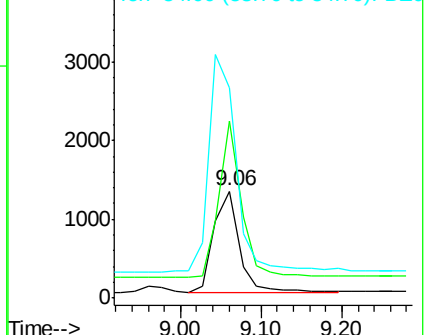
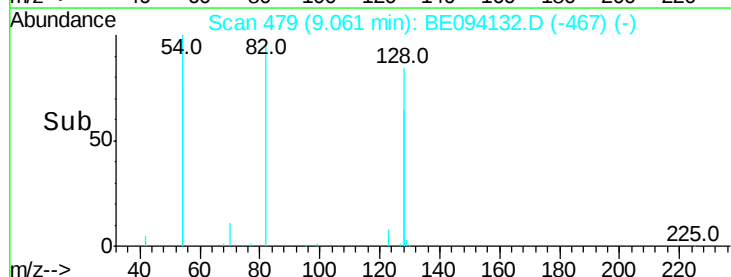
54 196.5 154.2 231.4

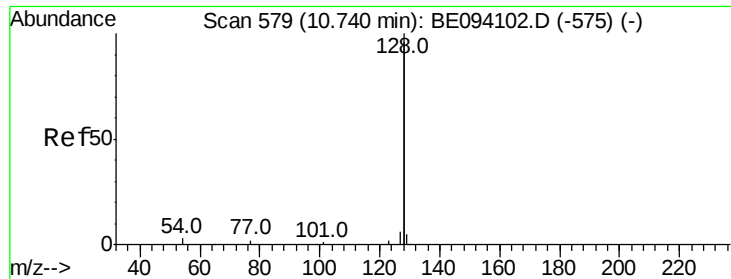


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampled :

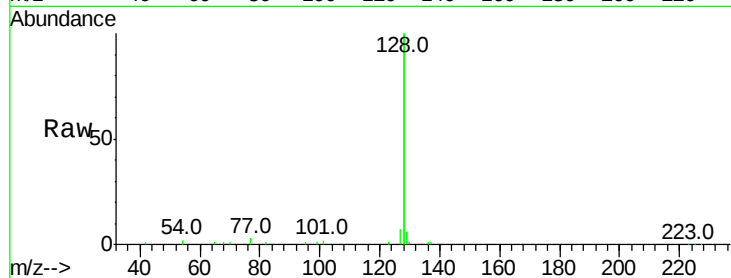
Tot Ion:128 Resp: 37418

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

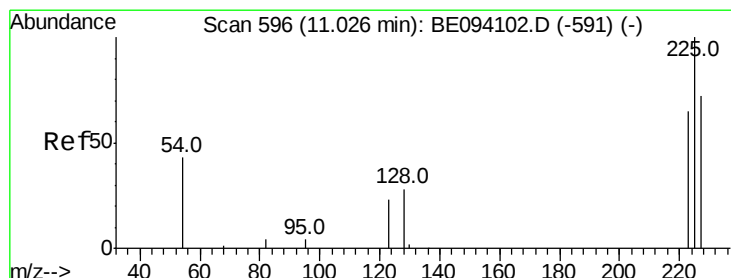
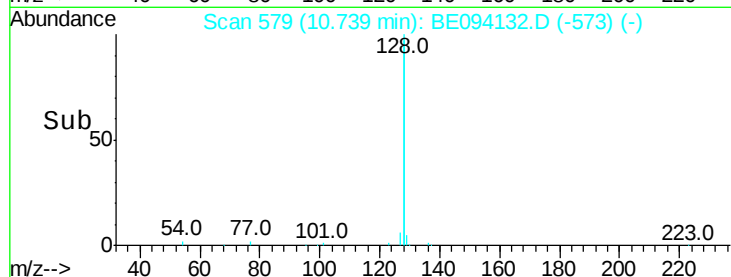
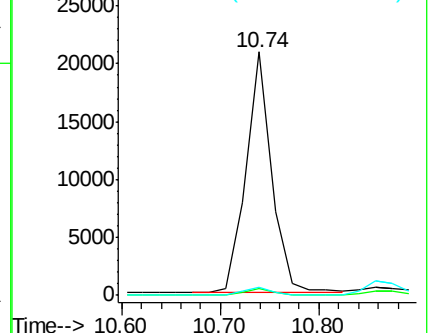
127 3.4 2.8 4.2



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: 0.396 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

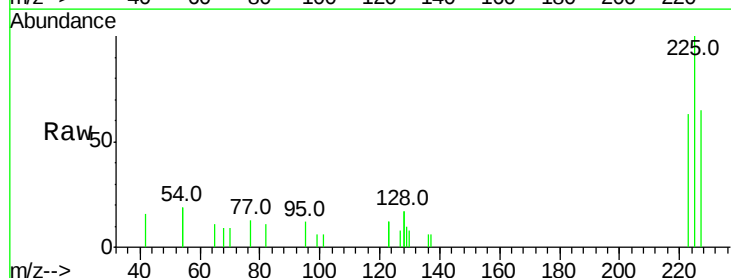
Tgt Ion:225 Resp: 1390

Ion Ratio Lower Upper

225 100

223 64.0 53.0 79.6

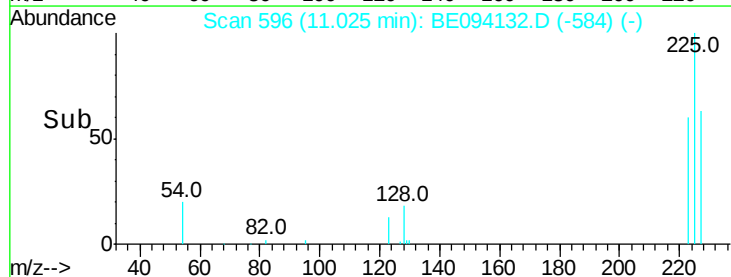
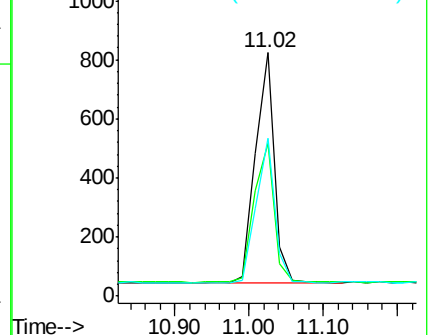
227 62.2 51.4 77.2



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: 0.403 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

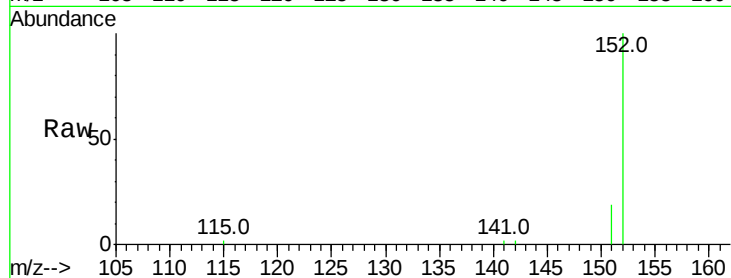
ClientSampleId :

Tot Ion:152 Resp: 5156

Ion Ratio Lower Upper

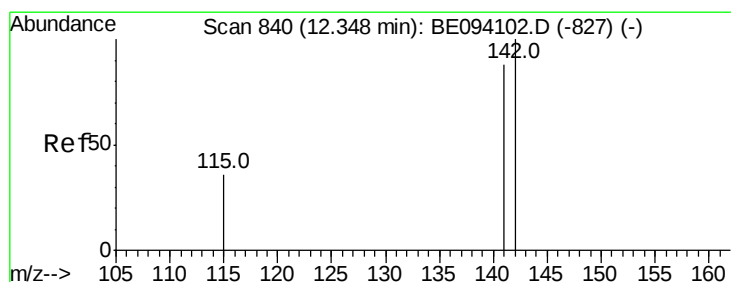
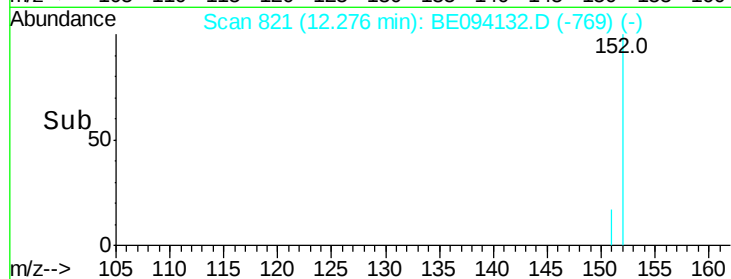
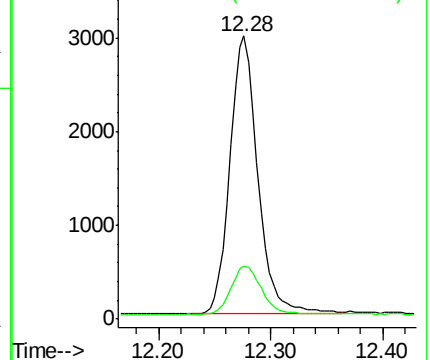
152 100

151 19.0 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: 0.403 ng

RT: 12.35 min Scan# 840

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

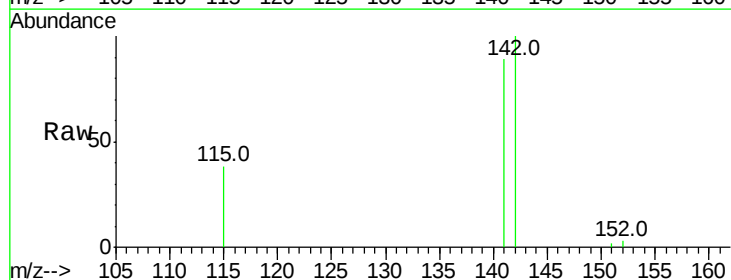
Tgt Ion:142 Resp: 6124

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

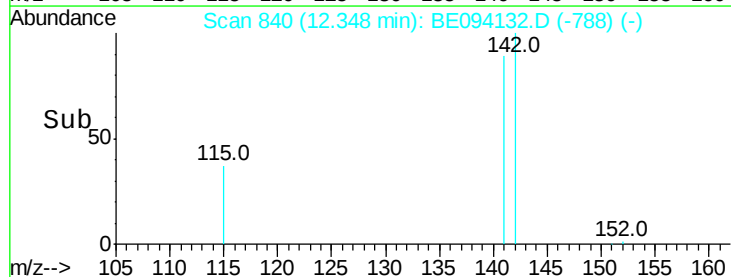
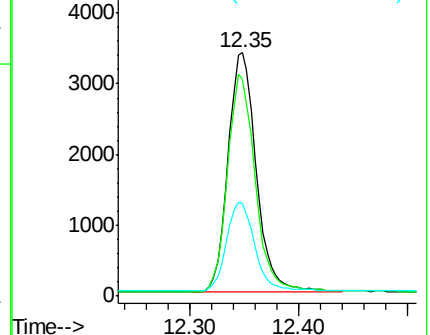
115 38.2 31.7 47.5

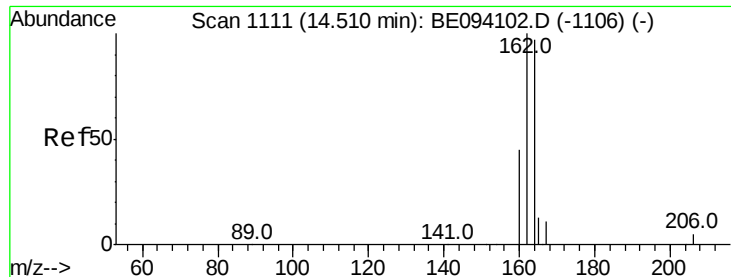


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

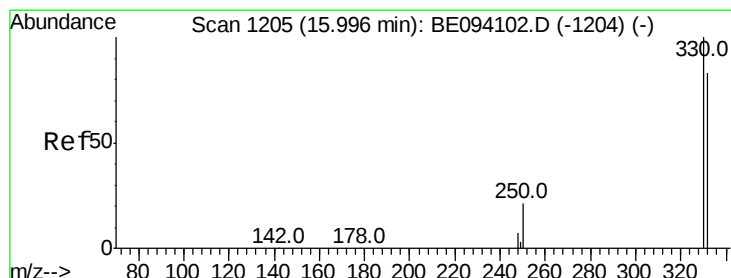
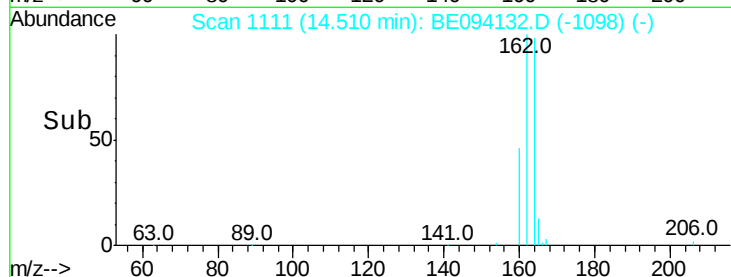
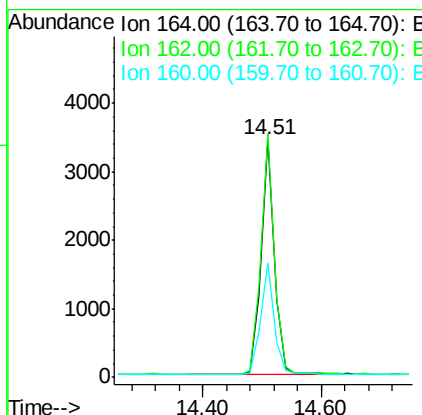
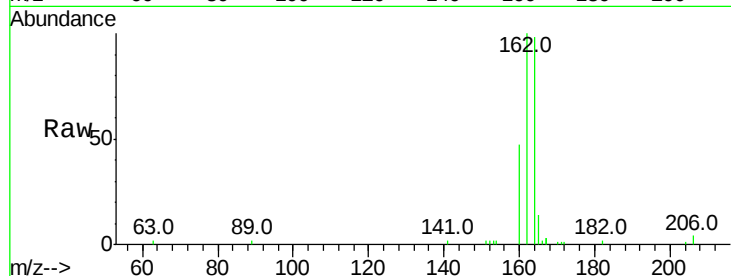




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

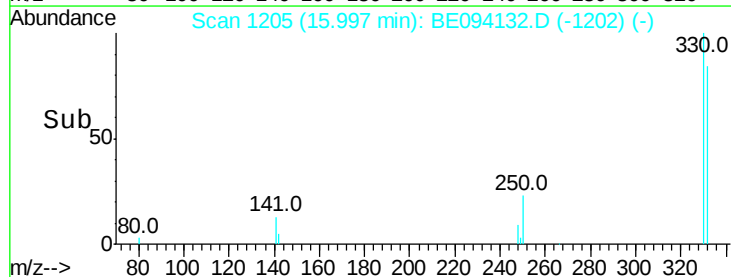
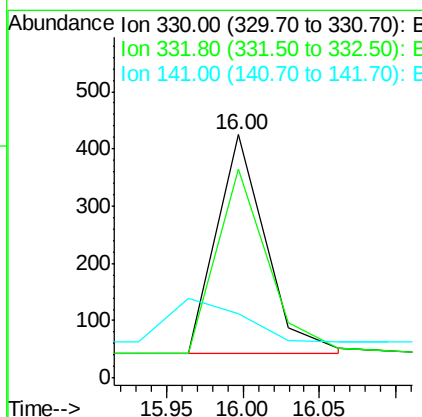
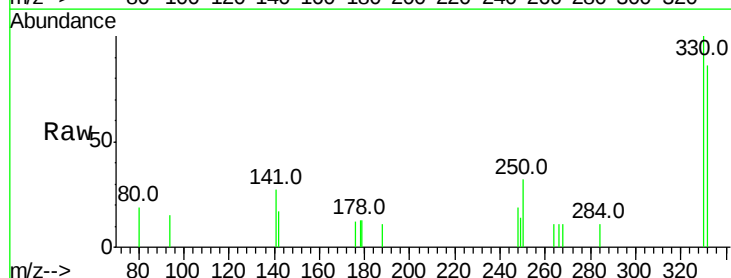
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 5186  
Ion Ratio Lower Upper  
164 100  
162 102.3 83.1 124.7  
160 47.8 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.272 ng  
RT: 16.00 min Scan# 1205  
Delta R.T. 0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

Tgt Ion:330 Resp: 847  
Ion Ratio Lower Upper  
330 100  
332 88.4 152.7 229.1#  
141 0.0 33.7 50.5#

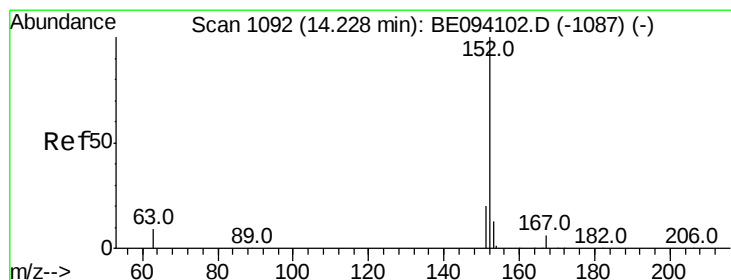
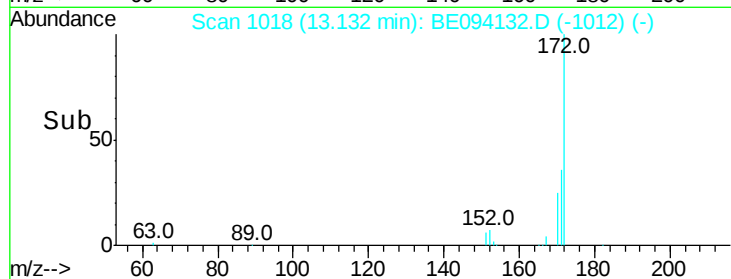
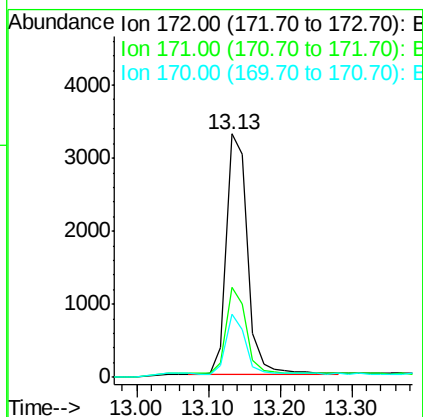
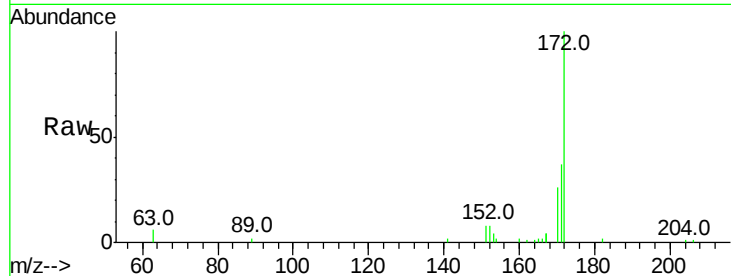




#15  
2-Fluorobiphenyl  
Concen: 0.392 ng  
RT: 13.13 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

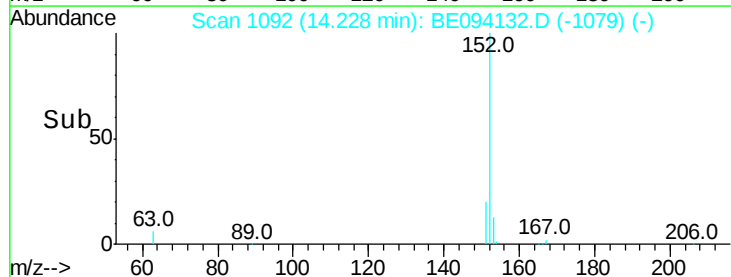
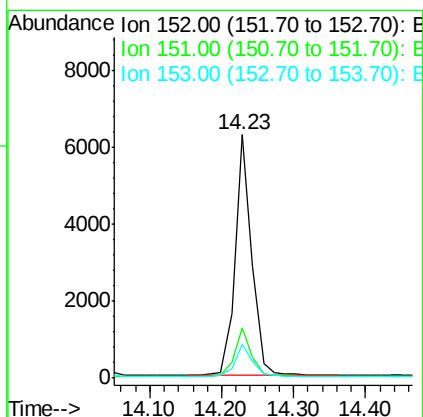
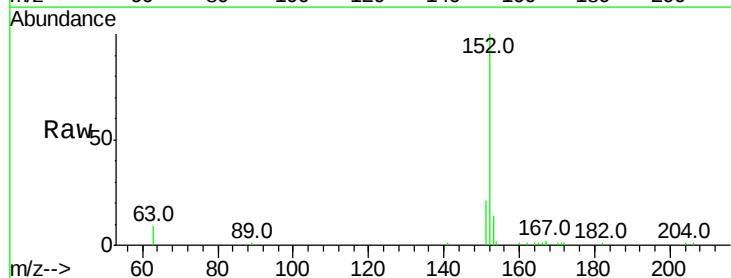
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 6709  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.9 44.9  
170 25.8 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.391 ng  
RT: 14.23 min Scan# 1092  
Delta R.T. -0.00 min  
Lab File: BE094132.D  
Acq: 26 Sep 2017 17:16

Tgt Ion:152 Resp: 10164  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

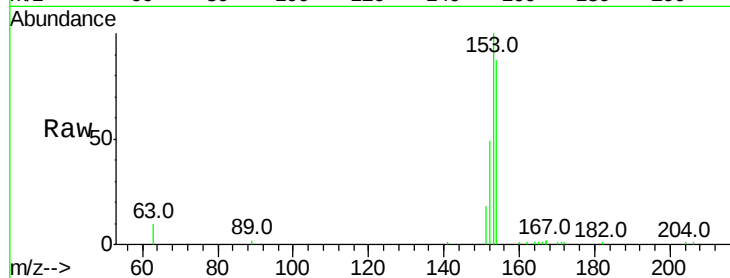
Tot Ion:154 Resp: 6817

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

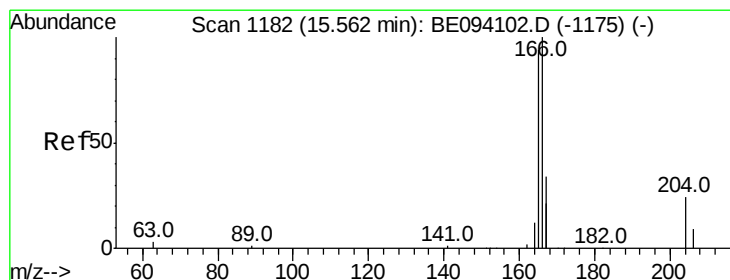
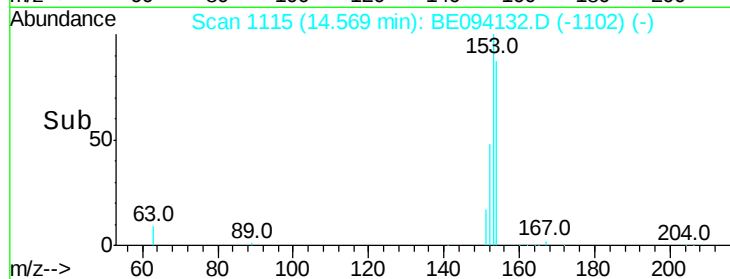
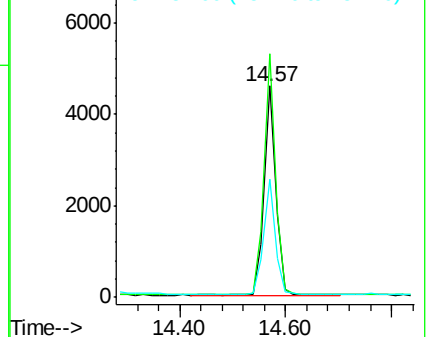
152 54.7 42.0 63.0



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: 0.399 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

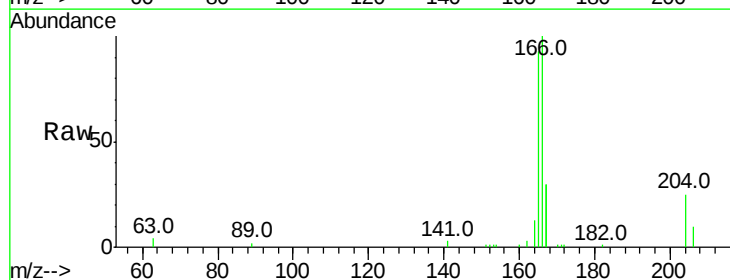
Tgt Ion:166 Resp: 8807

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

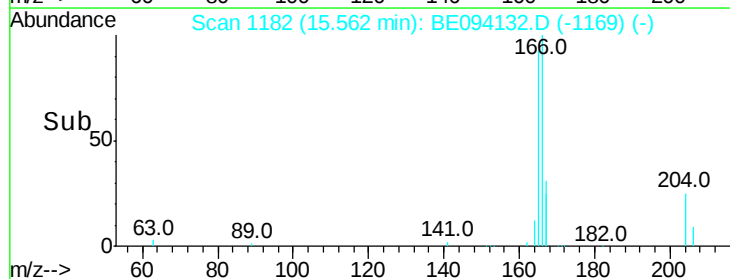
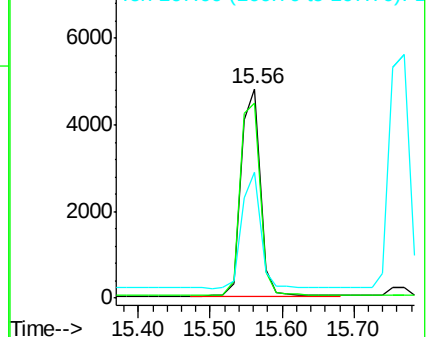
167 55.6 42.4 63.6

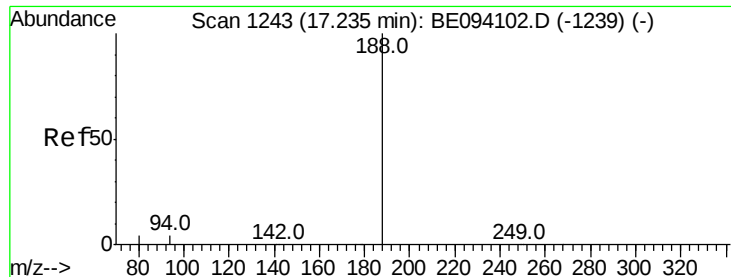


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

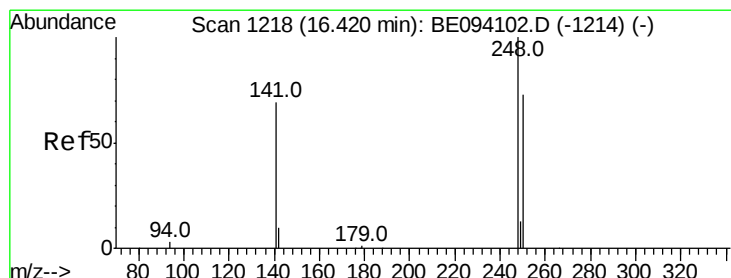
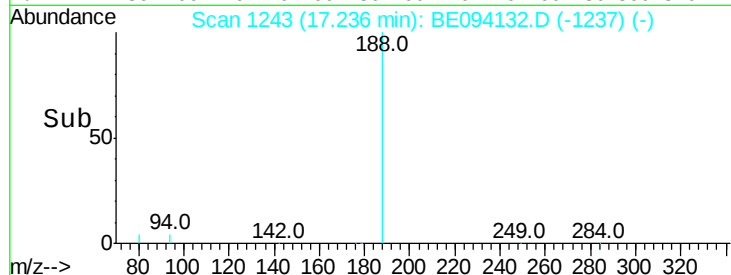
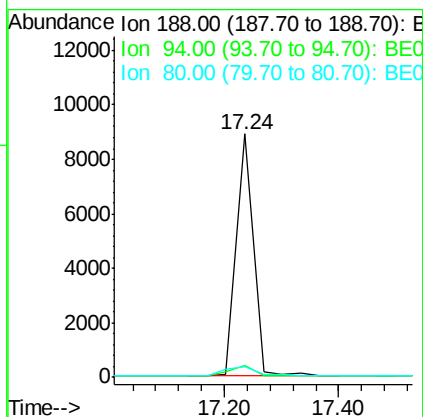
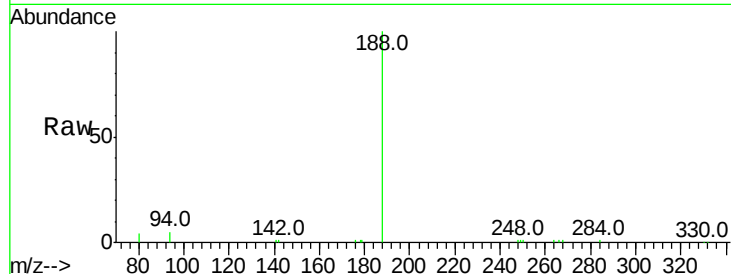




#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.24 min Scan# 1243  
 Delta R.T. 0.00 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

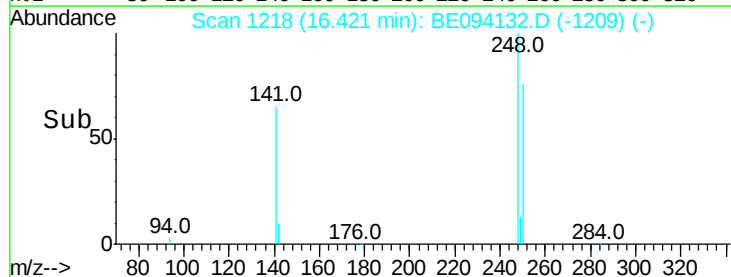
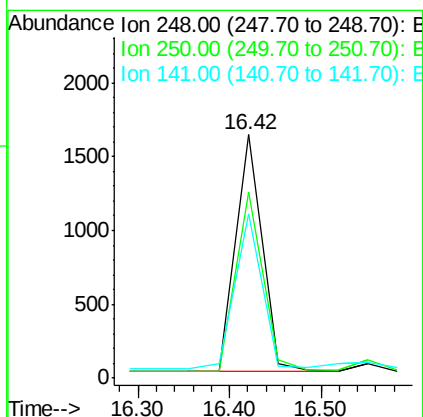
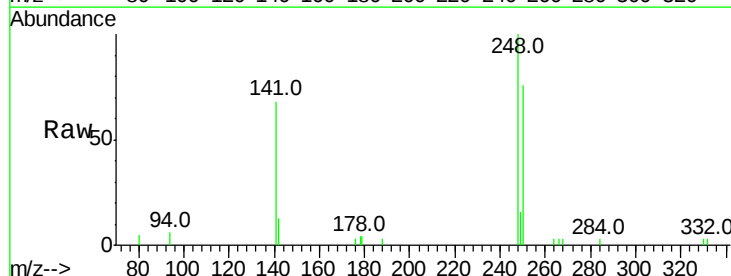
Instrument :  
 BNA\_E  
 ClientSampleId :

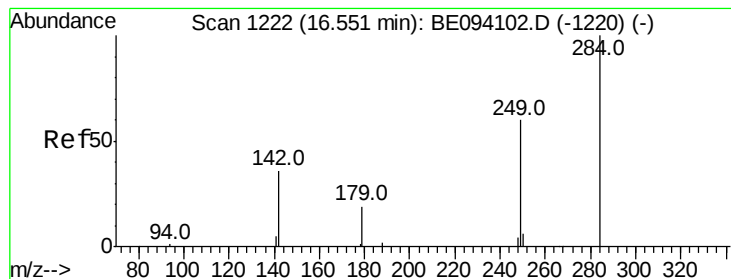
Tot Ion:188 Resp: 18134  
 Ion Ratio Lower Upper  
 188 100  
 94 4.8 3.9 5.9  
 80 4.5 3.6 5.4



#20  
 4-Bromophenyl-phenylether  
 Concen: 0.438 ng  
 RT: 16.42 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

Tgt Ion:248 Resp: 3256  
 Ion Ratio Lower Upper  
 248 100  
 250 76.5 62.7 94.1  
 141 67.5 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.499 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

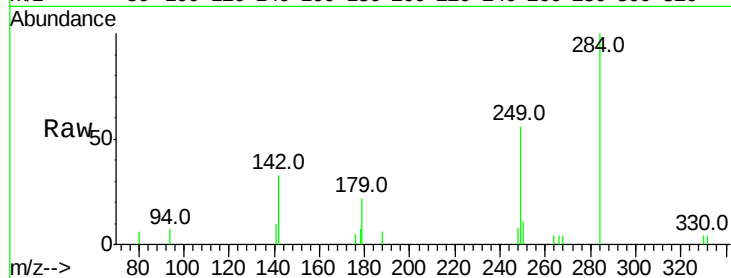
Tot Ion:284 Resp: 2343

Ion Ratio Lower Upper

284 100

142 34.1 22.1 33.1#

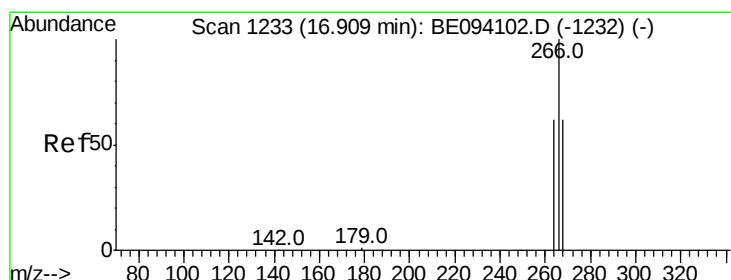
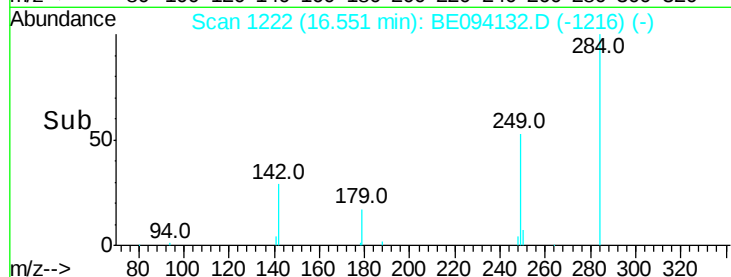
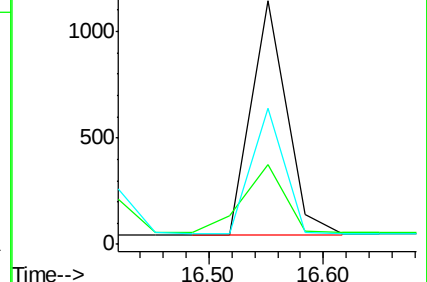
249 49.6 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.264 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

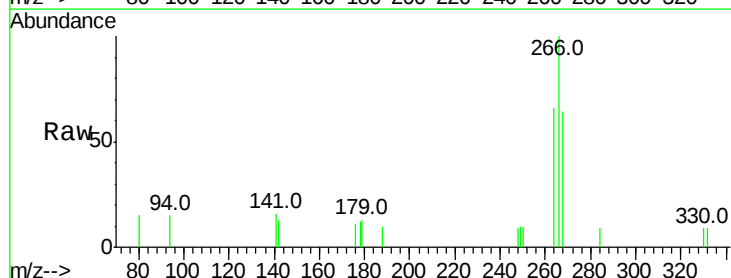
Tgt Ion:266 Resp: 1136

Ion Ratio Lower Upper

266 100

264 66.5 72.5 108.7#

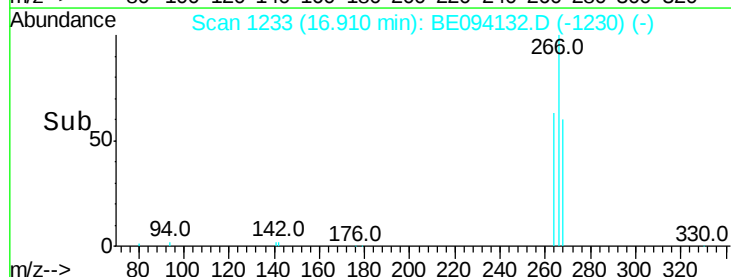
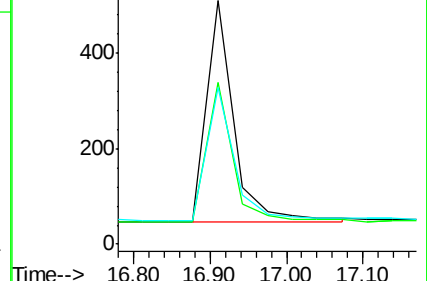
268 64.1 73.8 110.6#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.431 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampled :

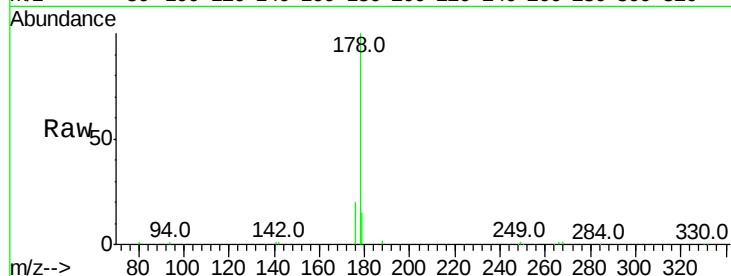
Tot Ion:178 Resp: 19999

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

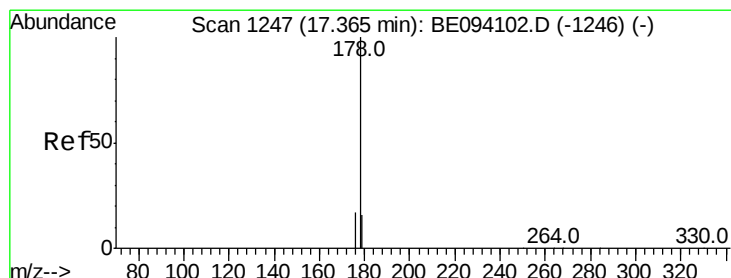
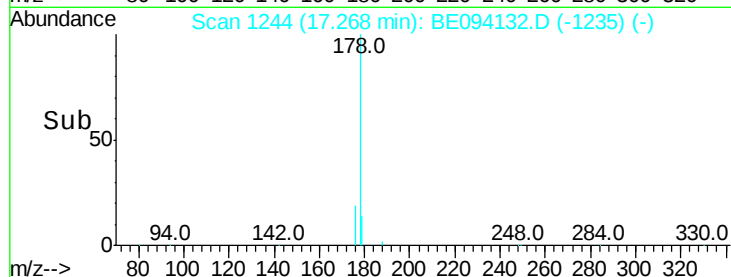
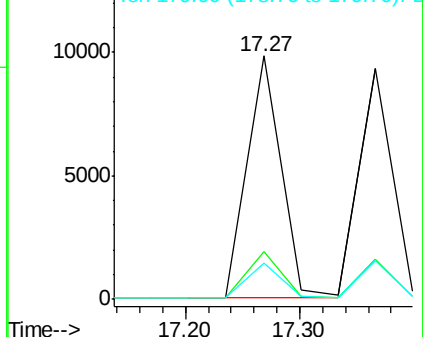
179 14.9 11.8 17.6



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: 0.387 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

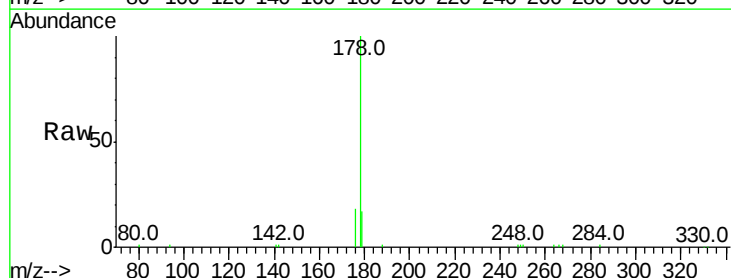
Tgt Ion:178 Resp: 18857

Ion Ratio Lower Upper

178 100

176 17.0 12.8 19.2

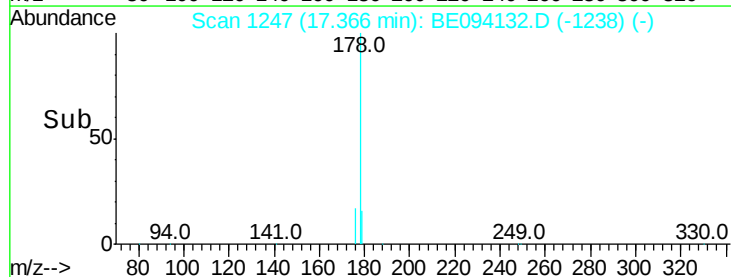
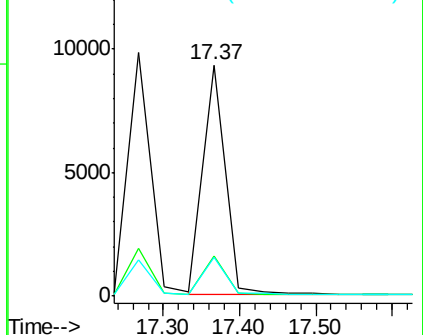
179 16.0 13.0 19.6

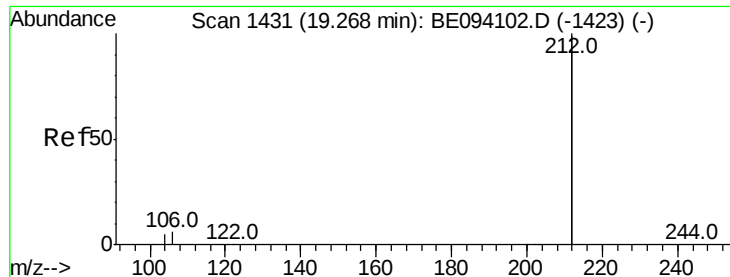


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

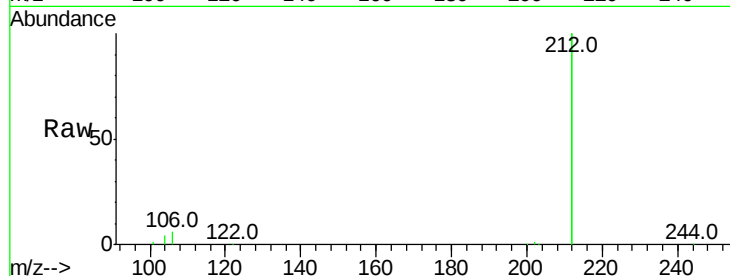
Tot Ion:212 Resp: 62209

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

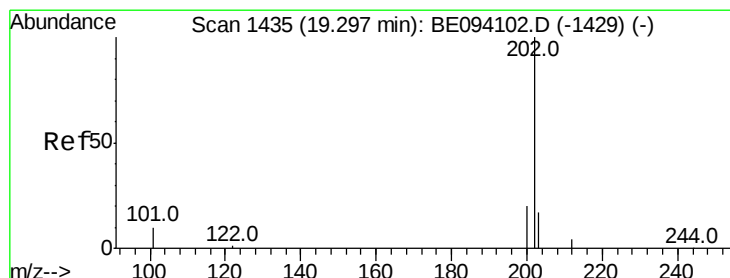
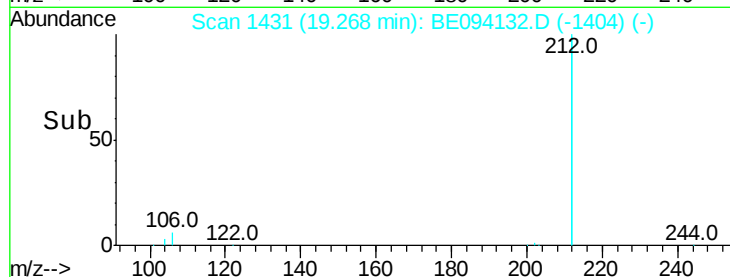
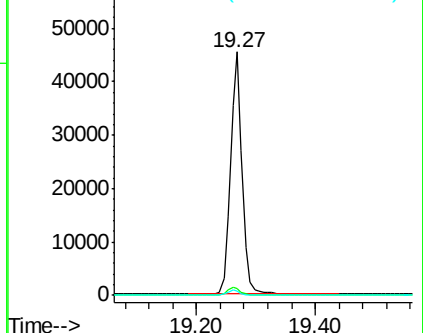
104 2.1 1.6 2.4



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: 0.356 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

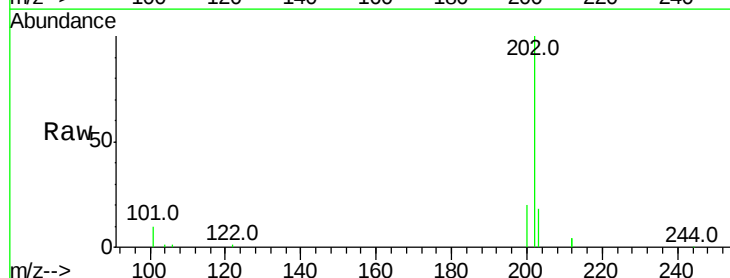
Tgt Ion:202 Resp: 18514

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.8

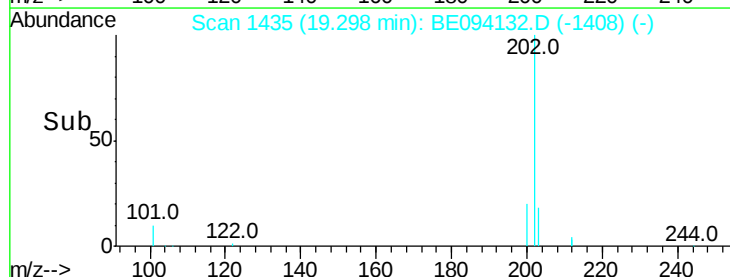
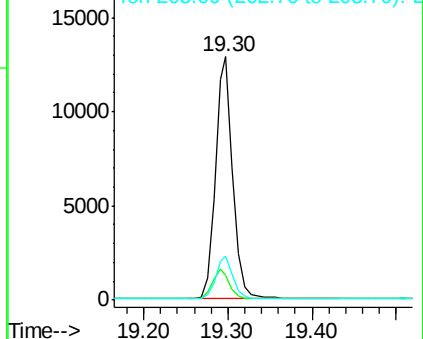
203 17.4 13.7 20.5



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: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampled :

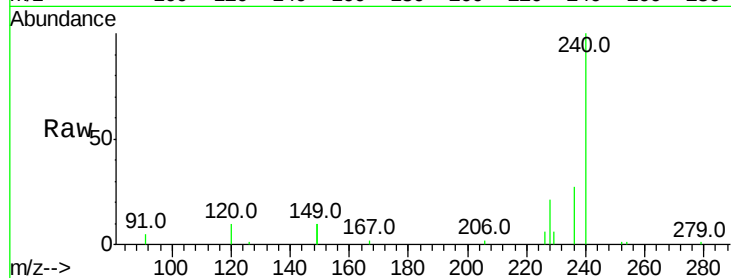
Tot Ion:240 Resp: 14279

Ion Ratio Lower Upper

240 100

120 10.0 5.5 8.3#

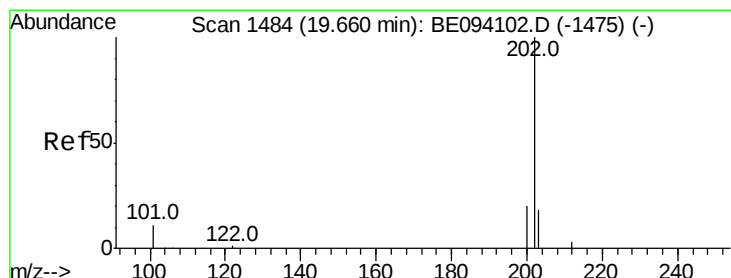
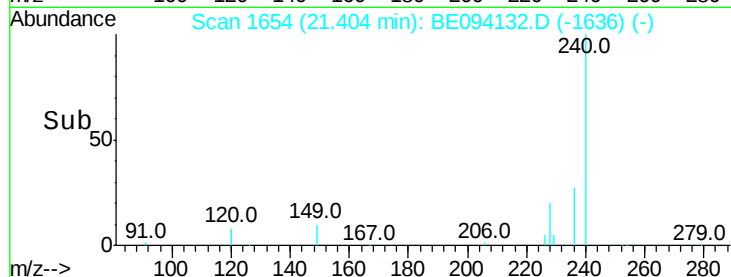
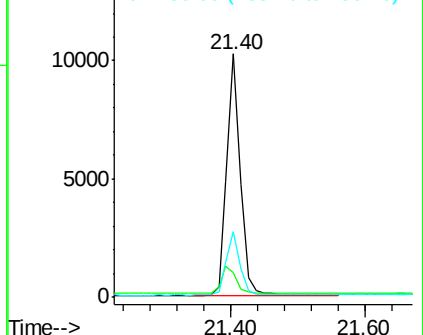
236 27.2 20.7 31.1



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



#28

Pyrene

Concen: 0.431 ng

RT: 19.66 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

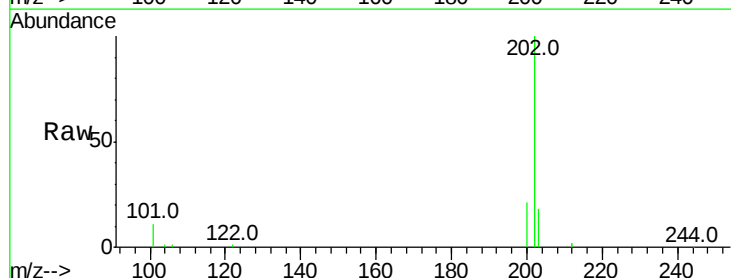
Tgt Ion:202 Resp: 19517

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

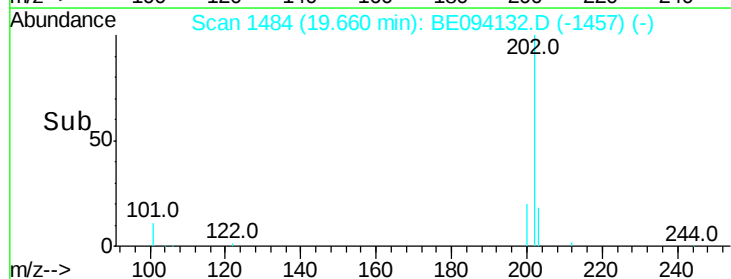
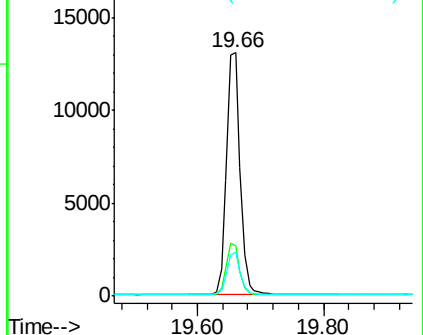
203 17.6 13.8 20.8

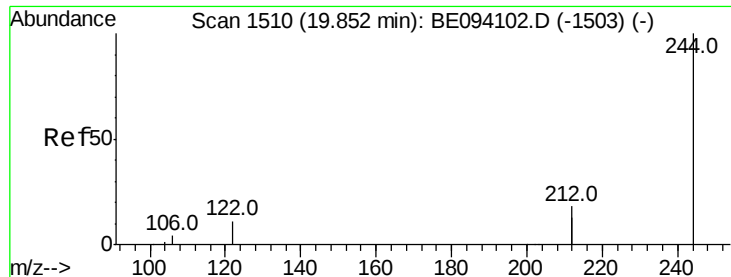


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.408 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

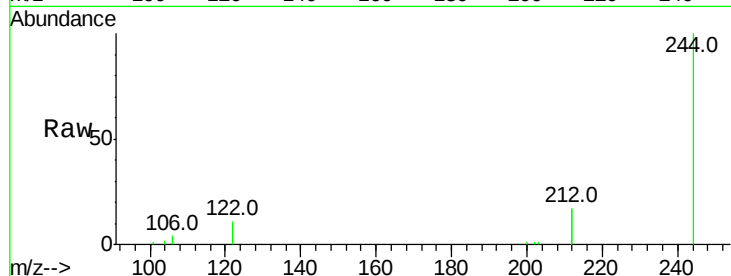
Tot Ion:244 Resp: 10638

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

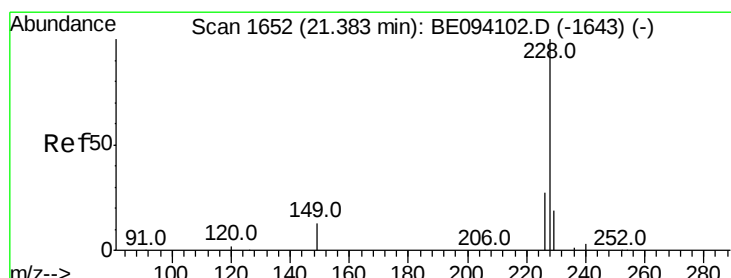
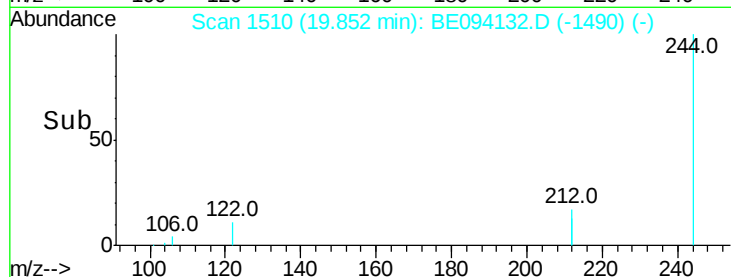
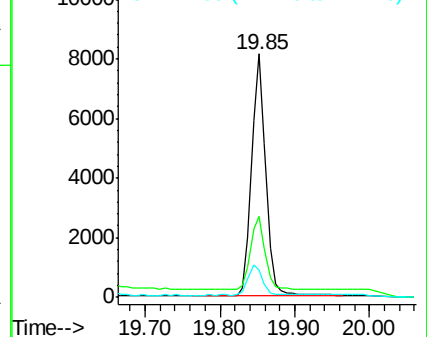
122 11.4 8.1 12.1



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: 0.384 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

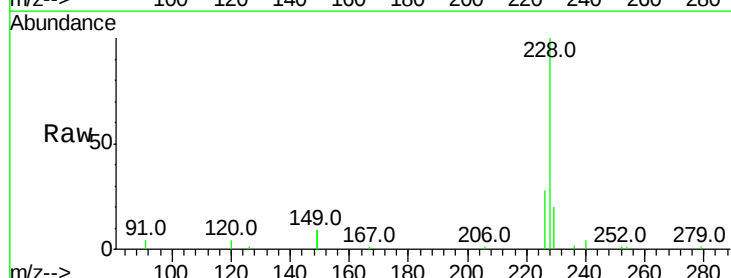
Tgt Ion:228 Resp: 18451

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.0

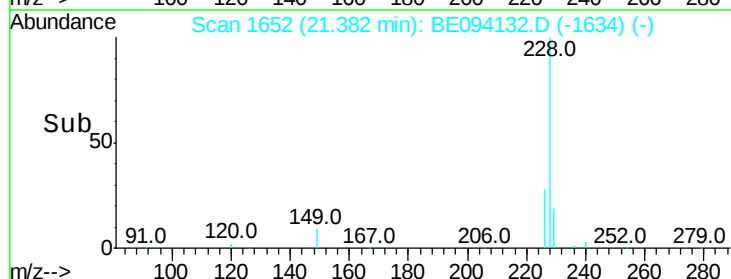
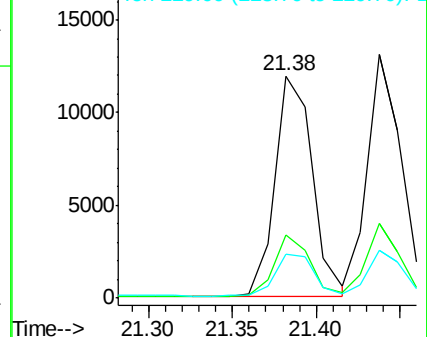
229 19.9 16.4 24.6

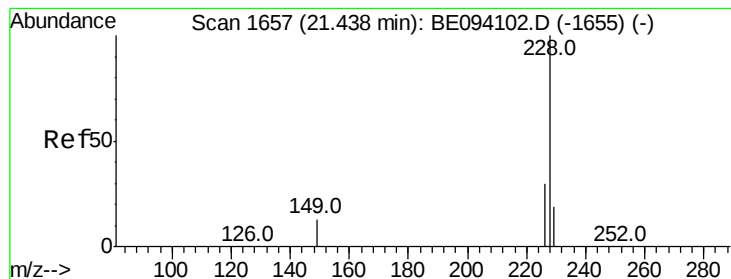


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.402 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

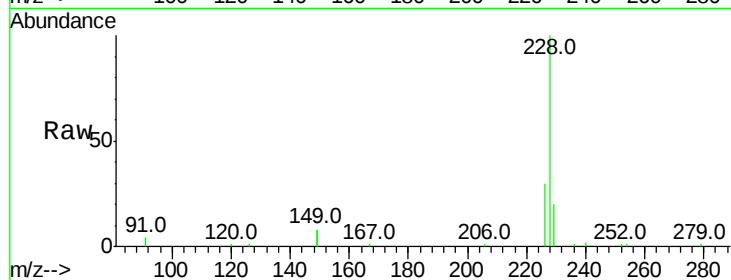
Tot Ion:228 Resp: 18664

Ion Ratio Lower Upper

228 100

226 30.4 23.6 35.4

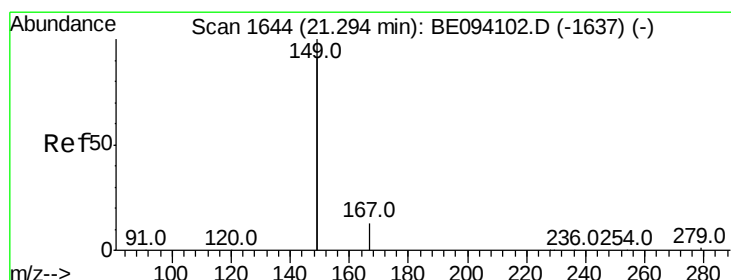
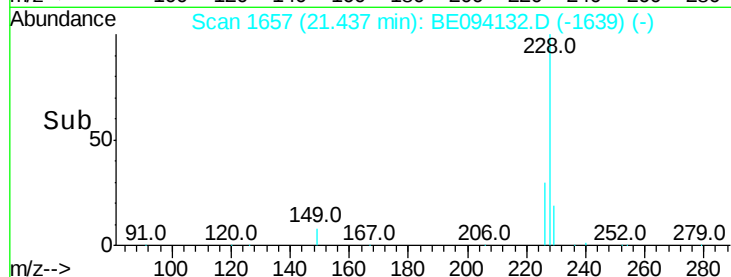
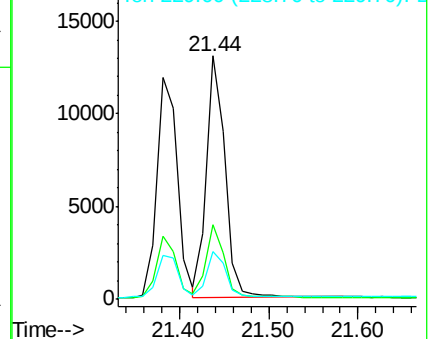
229 19.6 16.4 24.6



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: 0.181 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

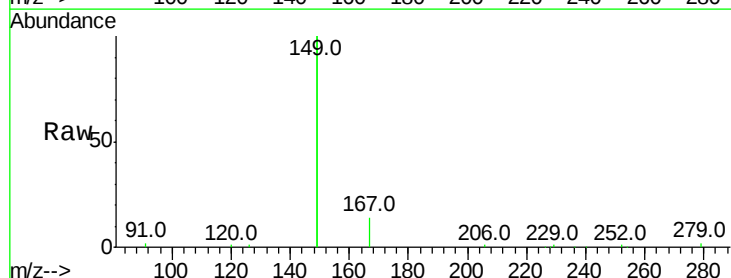
Tgt Ion:149 Resp: 51392

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

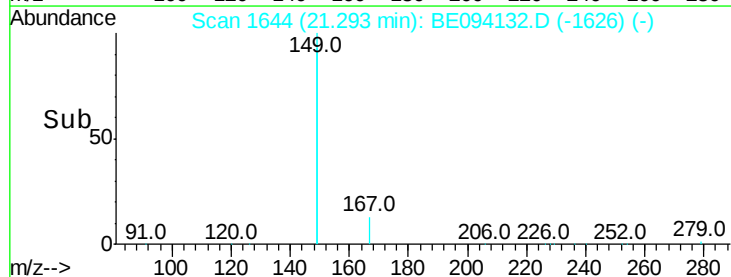
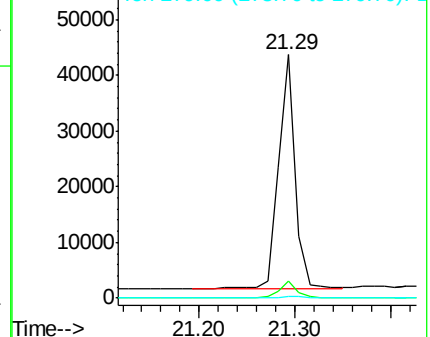
279 0.8 0.7 1.1



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

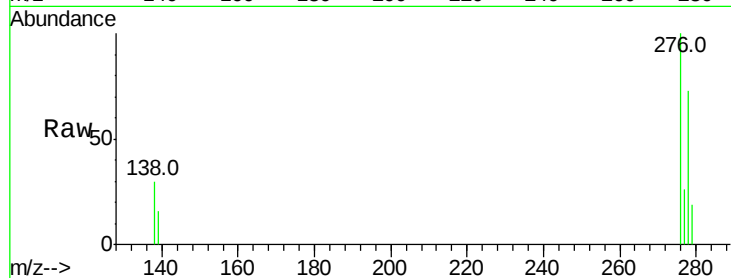




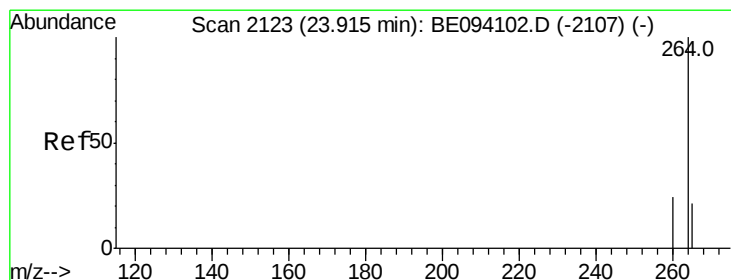
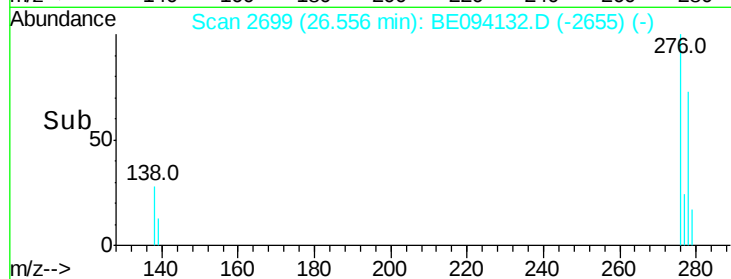
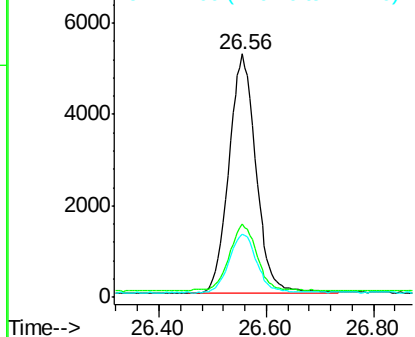
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.371 ng  
 RT: 26.56 min Scan# 2699  
 Delta R.T. 0.00 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:276 Resp: 18428  
 Ion Ratio Lower Upper  
 276 100  
 138 28.7 22.5 33.7  
 277 24.8 19.9 29.9

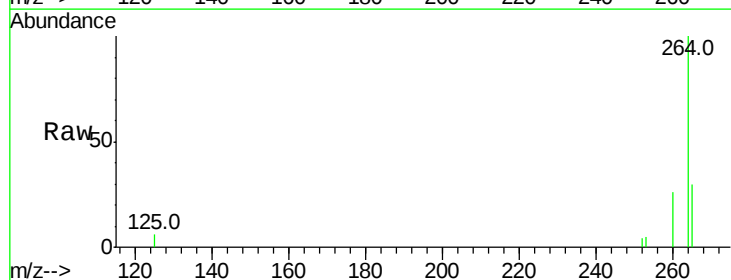


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

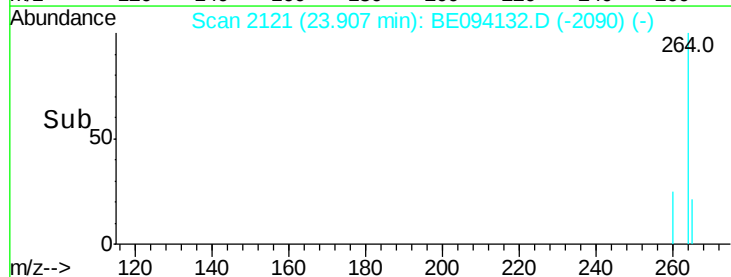
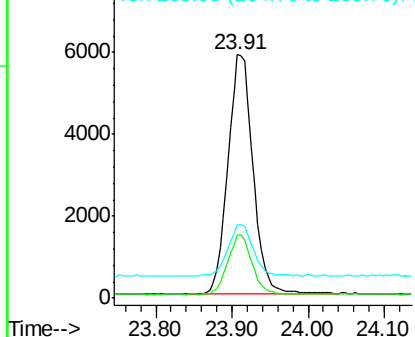


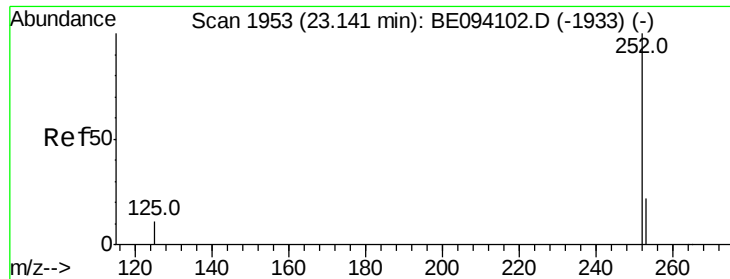
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.91 min Scan# 2121  
 Delta R.T. -0.01 min  
 Lab File: BE094132.D  
 Acq: 26 Sep 2017 17:16

Tgt Ion:264 Resp: 13497  
 Ion Ratio Lower Upper  
 264 100  
 260 25.9 20.5 30.7  
 265 30.0 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: 0.364 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

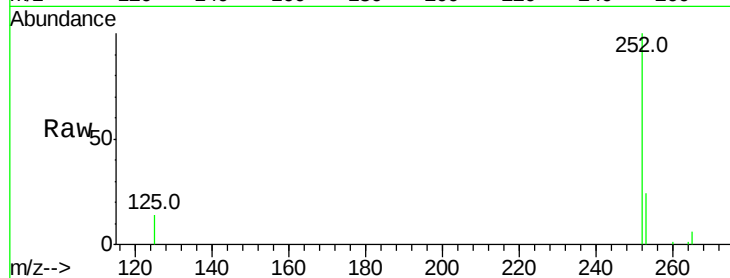
Tot Ion:252 Resp: 17704

Ion Ratio Lower Upper

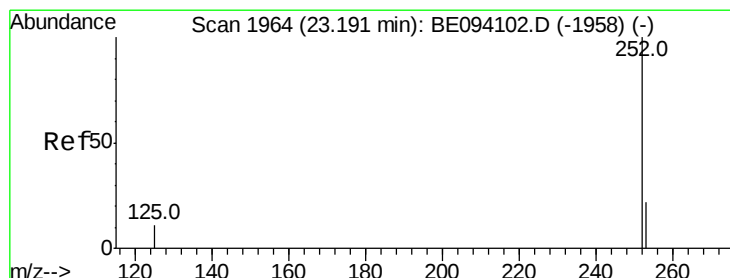
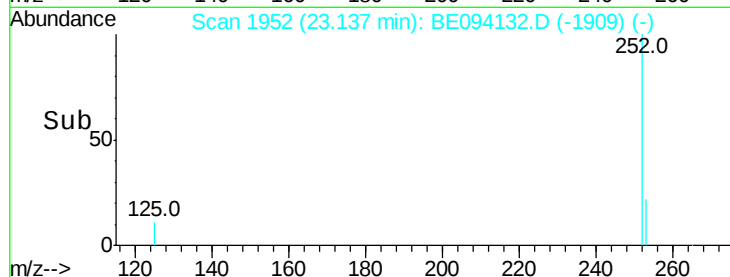
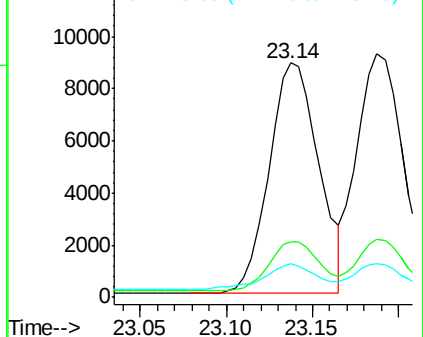
252 100

253 23.8 18.2 27.2

125 14.1 10.1 15.1



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: 0.376 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

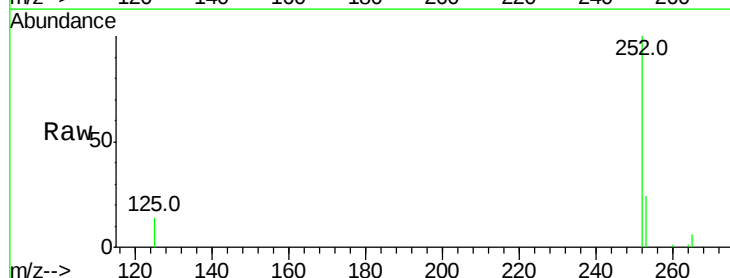
Tgt Ion:252 Resp: 17551

Ion Ratio Lower Upper

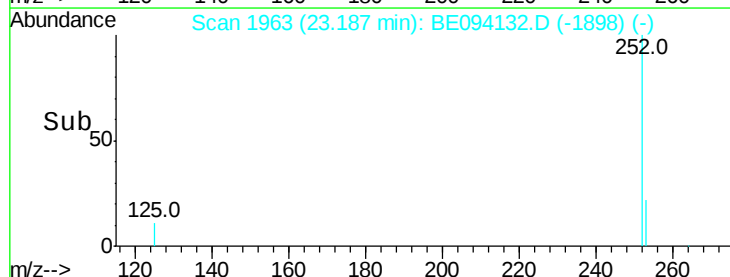
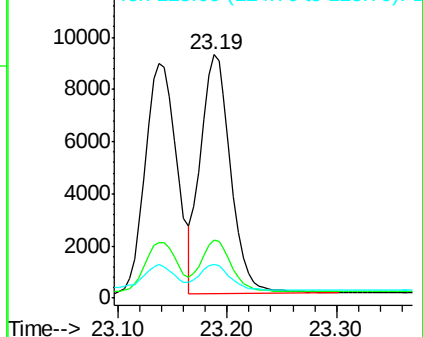
252 100

253 23.8 18.6 27.8

125 13.9 10.7 16.1



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: 0.381 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :

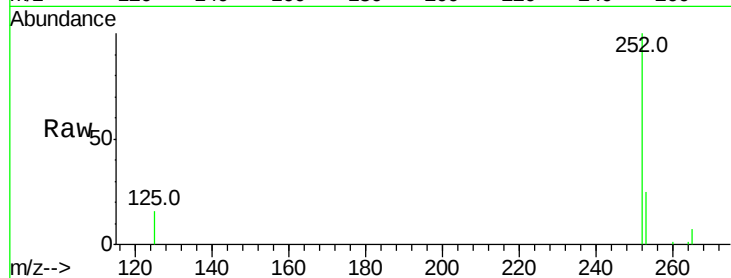
Tot Ion:252 Resp: 16756

Ion Ratio Lower Upper

252 100

253 24.5 19.0 28.6

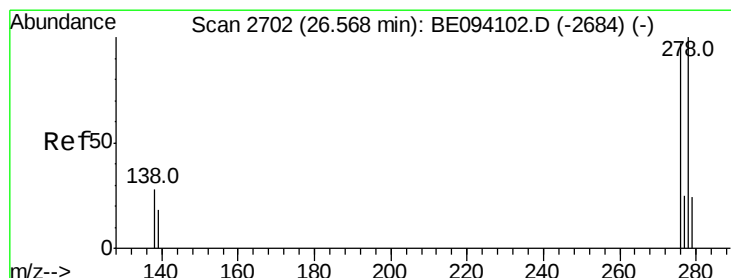
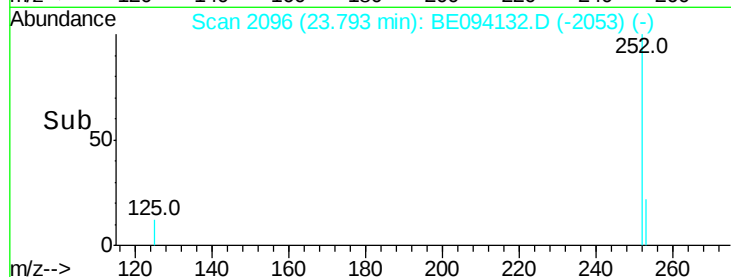
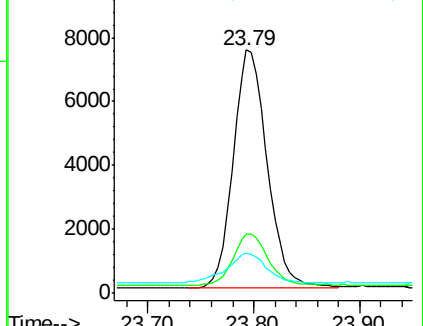
125 16.3 11.8 17.8



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: 0.376 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

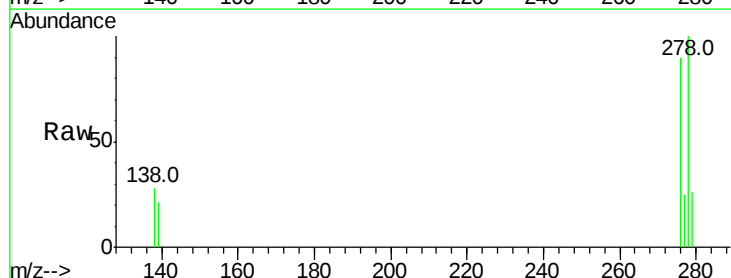
Tgt Ion:278 Resp: 15664

Ion Ratio Lower Upper

278 100

139 20.8 16.3 24.5

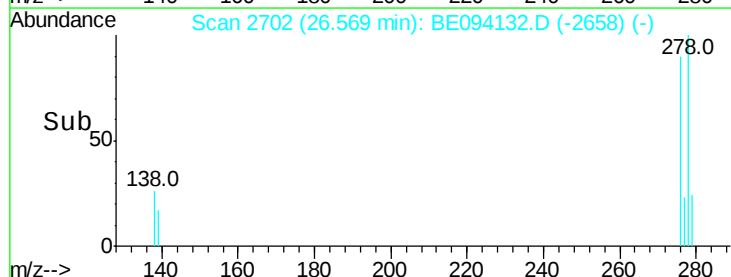
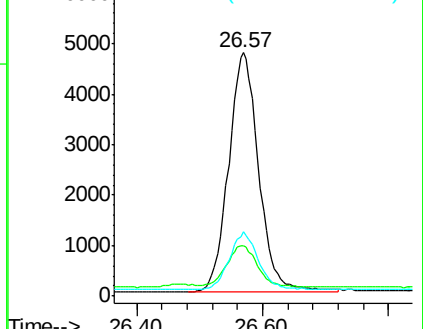
279 26.3 19.9 29.9



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: 0.381 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

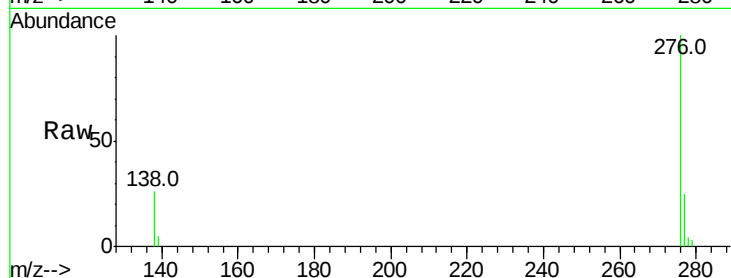
Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA\_E

ClientSampleId :



Tot Ion:276 Resp: 15704

Ion Ratio Lower Upper

276 100

277 24.9 20.8 31.2

138 26.4 21.5 32.3

