

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\  
 Data File : BE094086.D  
 Acq On : 23 Sep 2017 20:05  
 Operator : SJ/JU  
 Sample : I5340-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 25 08:46:58 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 25 07:59:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 1851     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 10942    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 7639     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 21463    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 16940    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 15225    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.50  | 112  | 3594     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.09  | 99   | 4794     | 0.44 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.04  | 82   | 3909     | 0.40 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152  | 6491     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330  | 2506     | 0.43 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.13 | 172  | 10482    | 0.42 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.26 | 212  | 73065    | 0.27 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 9996     | 0.38 | ng    | 0.00     |

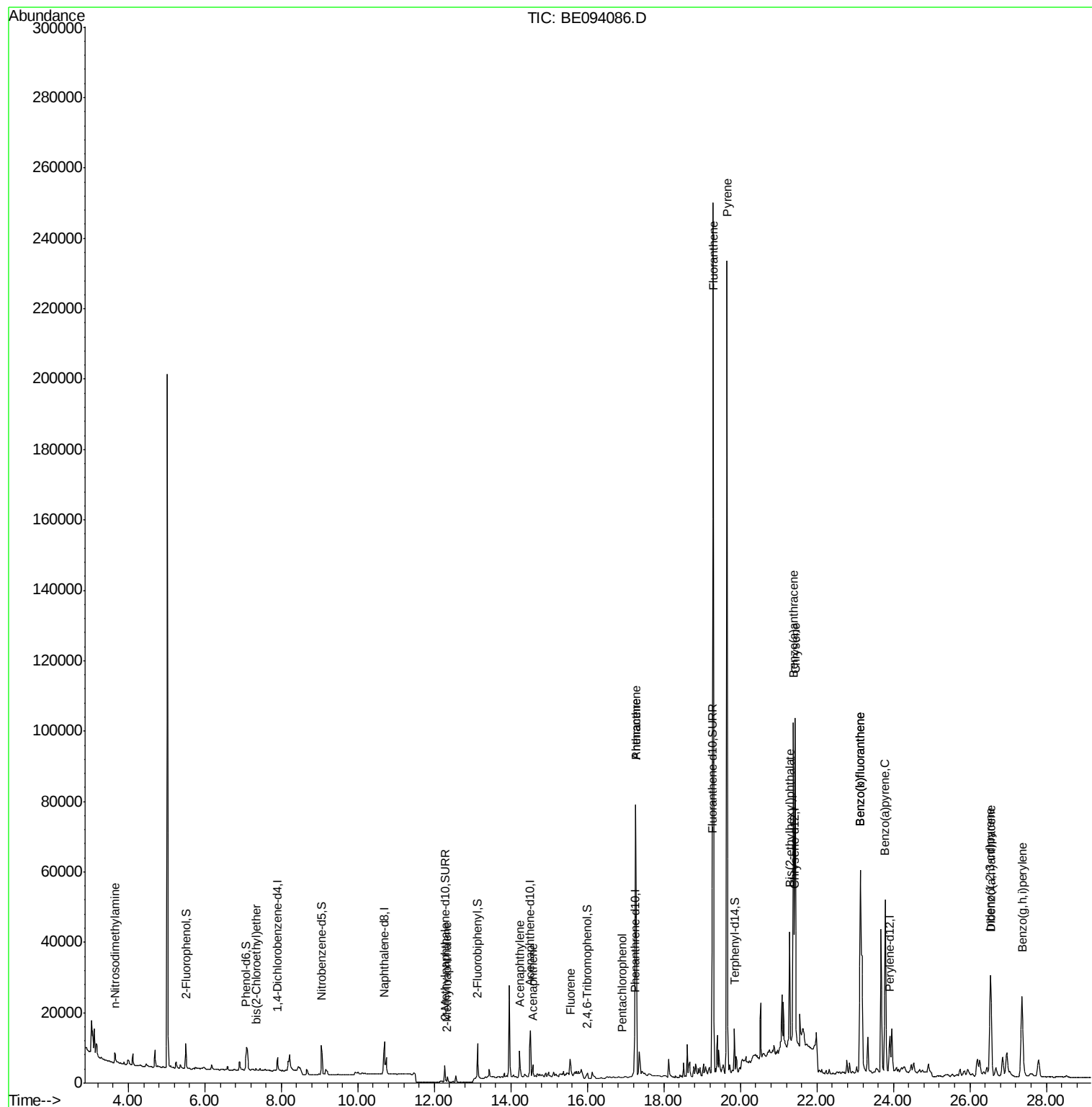
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 3) n-Nitrosodimethylamine      | 3.65  | 42   | 967      | 0.186     | ng    | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93   | 303      | 0.037     | ng    | # 1    |
| 9) Naphthalene                 | 10.74 | 128  | 8663     | Below Cal |       | # 98   |
| 12) 2-Methylnaphthalene        | 12.34 | 142  | 1079     | 0.049     | ng    | # 93   |
| 16) Acenaphthylene             | 14.23 | 152  | 9359     | 0.243     | ng    | 99     |
| 17) Acenaphthene               | 14.57 | 154  | 1748     | 0.069     | ng    | 98     |
| 18) Fluorene                   | 15.55 | 166  | 3541     | 0.093     | ng    | 90     |
| 22) Pentachlorophenol          | 16.91 | 266  | 123      | 0.042     | ng    | 96     |
| 23) Phenanthrene               | 17.27 | 178  | 115147   | 1.498     | ng    | 97     |
| 24) Anthracene                 | 17.27 | 178  | 115030   | 1.941     | ng    | 97     |
| 26) Fluoranthene               | 19.29 | 202  | 220186   | 2.669     | ng    | 99     |
| 28) Pyrene                     | 19.65 | 202  | 213755   | 4.561     | ng    | # 95   |
| 30) Benzo(a)anthracene         | 21.38 | 228  | 87552    | 1.543     | ng    | 98     |
| 31) Chrysene                   | 21.44 | 228  | 94812    | 1.705     | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 42827    | 0.281     | ng    | 97     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.54 | 276  | 52166    | 1.214     | ng    | 96     |
| 35) Benzo(b)fluoranthene       | 23.14 | 252  | 111702   | 2.027     | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.14 | 252  | 111702   | 2.020     | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.79 | 252  | 75968    | 1.535     | ng    | 99     |
| 38) Dibenzo(a,h)anthracene     | 26.55 | 278  | 14366    | 0.363     | ng    | # 87   |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276  | 55294    | 1.396     | ng    | 98     |

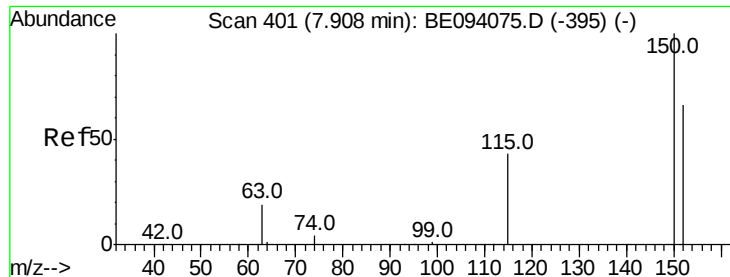
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\  
Data File : BE094086.D  
Acq On : 23 Sep 2017 20:05  
Operator : SJ/JU  
Sample : I5340-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Sep 25 08:46:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 25 07:59:29 2017  
Response via : Initial Calibration



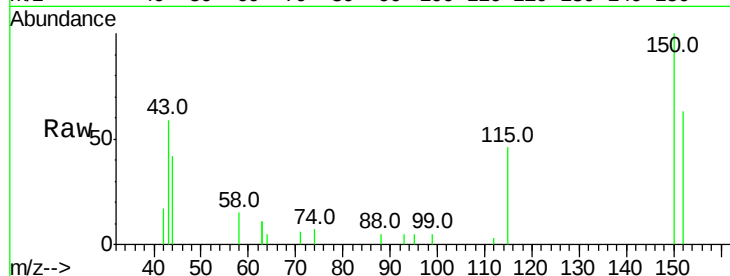


#1

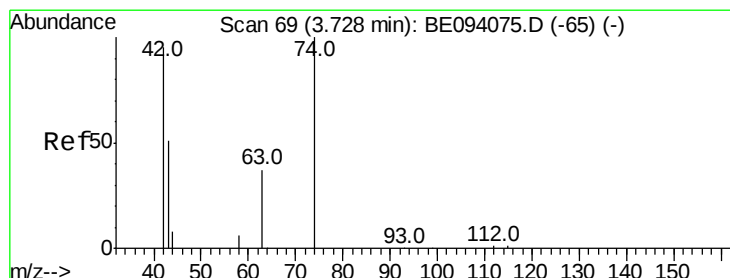
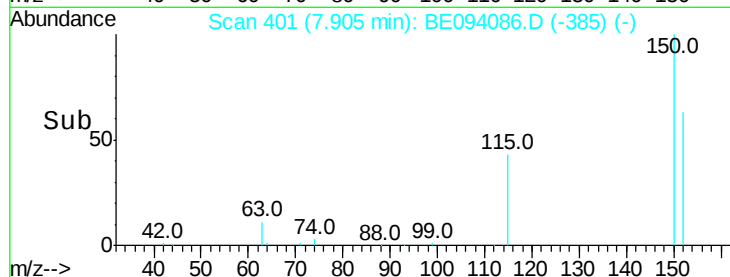
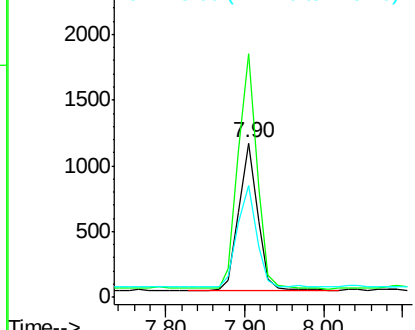
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.90 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BE094086.D  
Acq: 23 Sep 2017 20:05

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1851  
Ion Ratio Lower Upper  
152 100  
150 158.0 117.2 175.8  
115 72.3 57.0 85.6



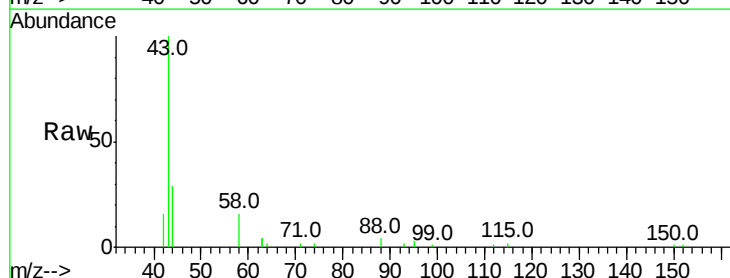
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



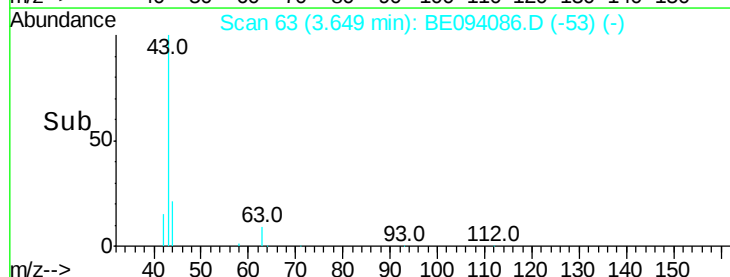
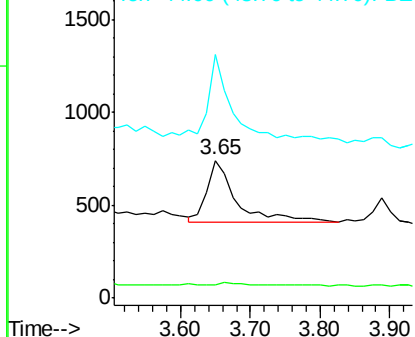
#3

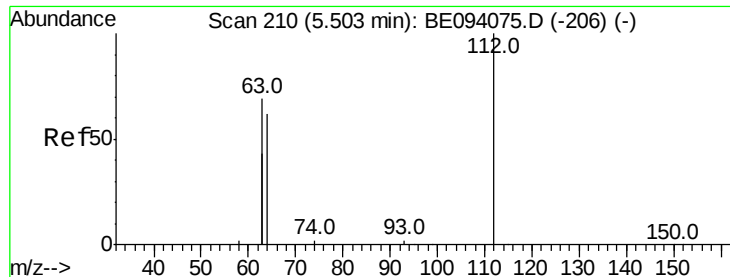
n-Nitrosodimethylamine  
Concen: 0.186 ng  
RT: 3.65 min Scan# 63  
Delta R.T. -0.08 min  
Lab File: BE094086.D  
Acq: 23 Sep 2017 20:05

Tgt Ion: 42 Resp: 967  
Ion Ratio Lower Upper  
42 100  
74 3.4 100.3 150.5#  
44 136.4 17.0 25.4#



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: 0.337 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

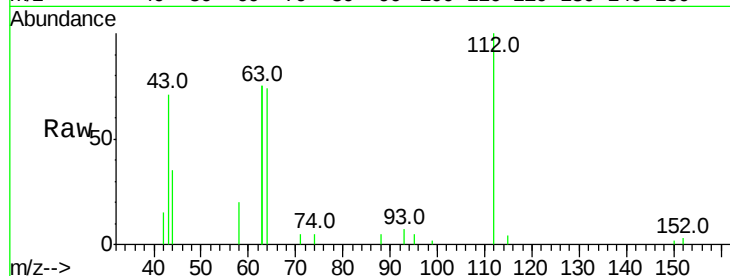
Tot Ion:112 Resp: 3594

Ion Ratio Lower Upper

112 100

64 72.7 60.1 90.1

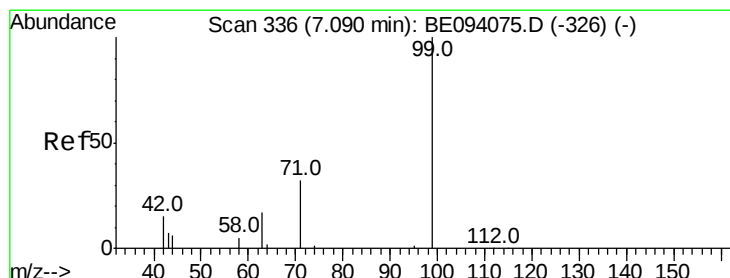
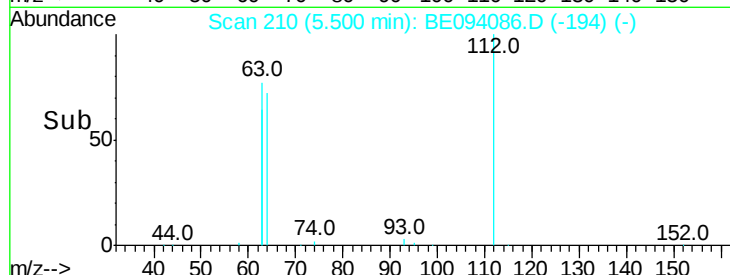
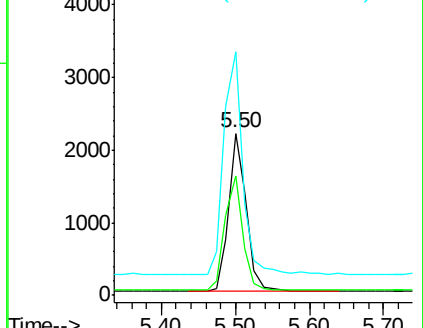
63 151.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.438 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

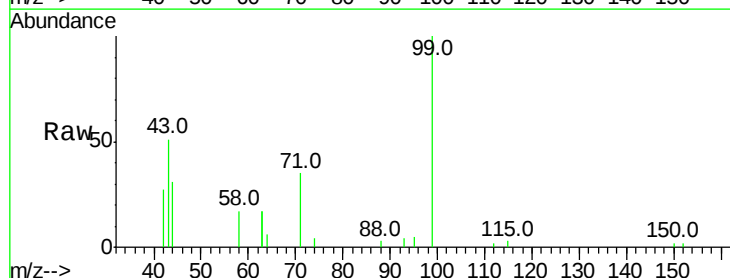
Tgt Ion: 99 Resp: 4794

Ion Ratio Lower Upper

99 100

42 29.3 20.2 30.2

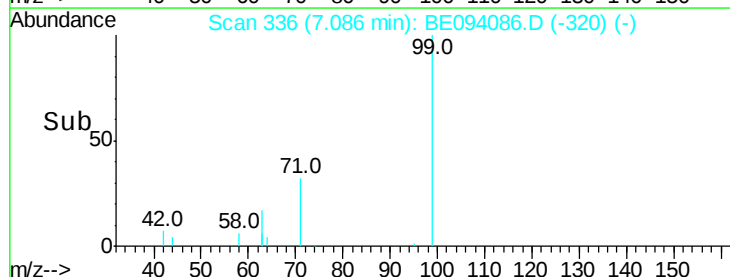
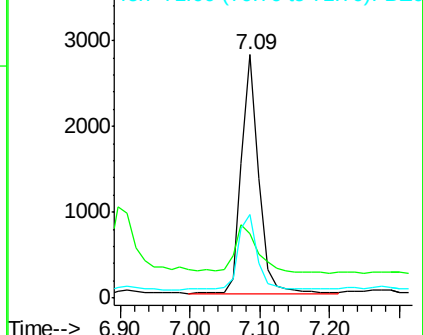
71 34.3 28.4 42.6

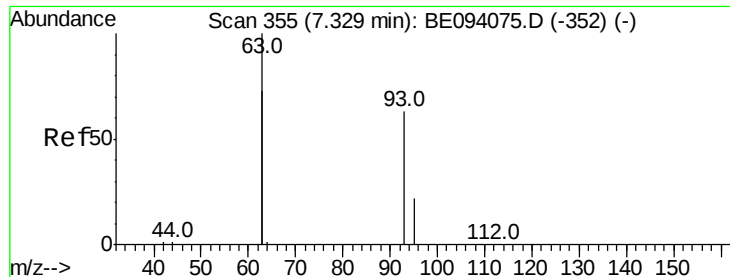


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.037 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

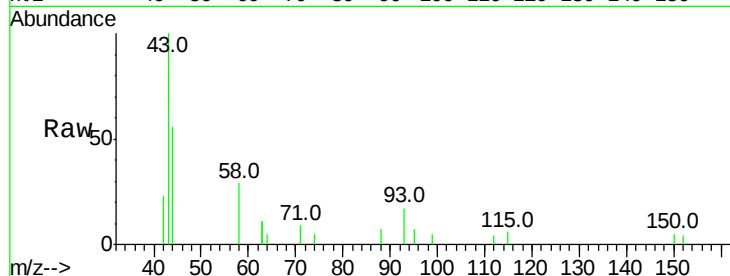
Tot Ion: 93 Resp: 303

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

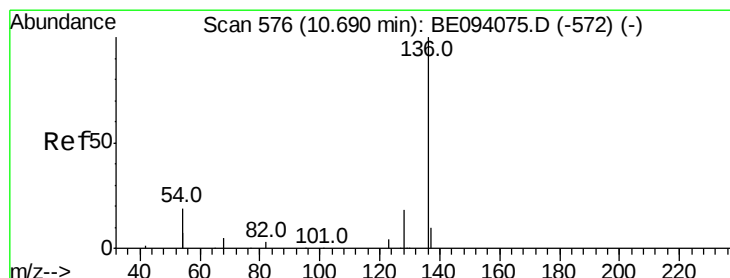
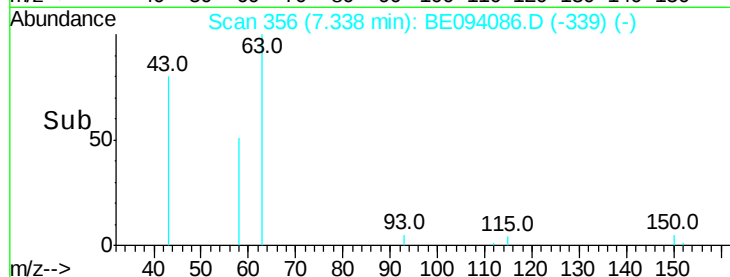
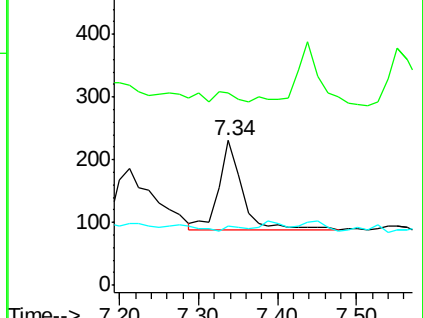
95 0.0 25.2 37.8#



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: BE094086.D

Acq: 23 Sep 2017 20:05

Tgt Ion: 136 Resp: 10942

Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 30.4 29.1 43.7

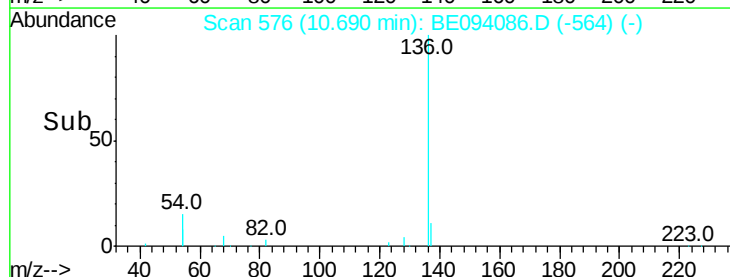
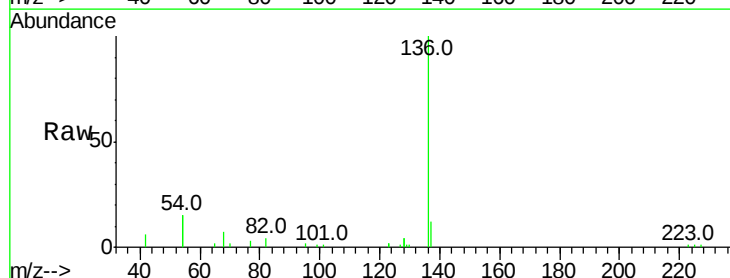
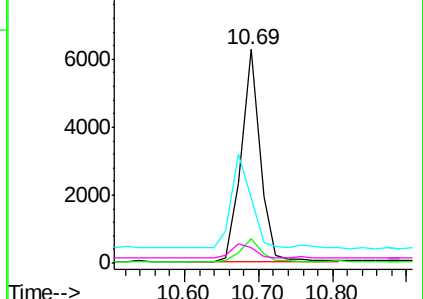
68 7.3 6.2 9.2

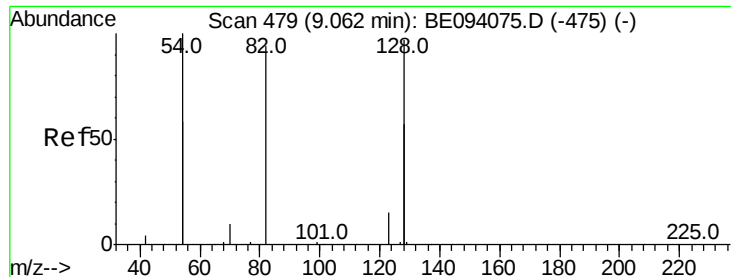
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.402 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

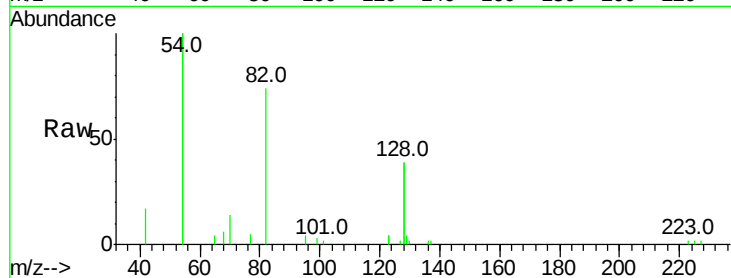
Tot Ion: 82 Resp: 3909

Ion Ratio Lower Upper

82 100

128 104.1 150.0 225.0#

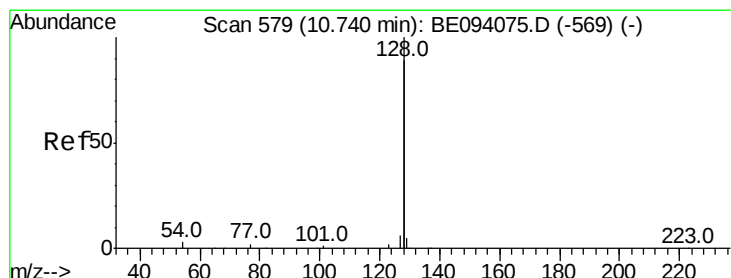
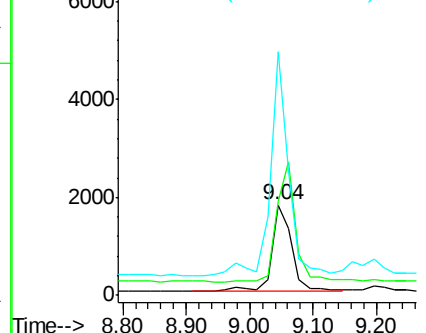
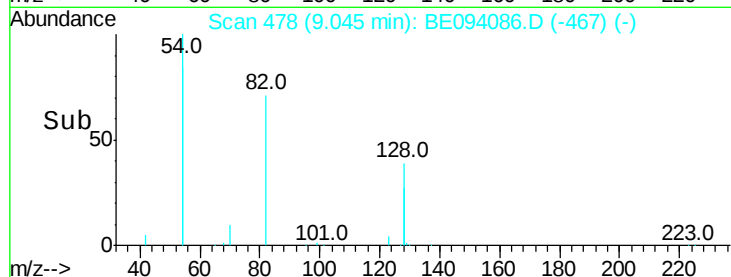
54 269.5 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094086.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094086.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094086.D (-467) (-)



#9

Naphthalene

Concen: Below Cal

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

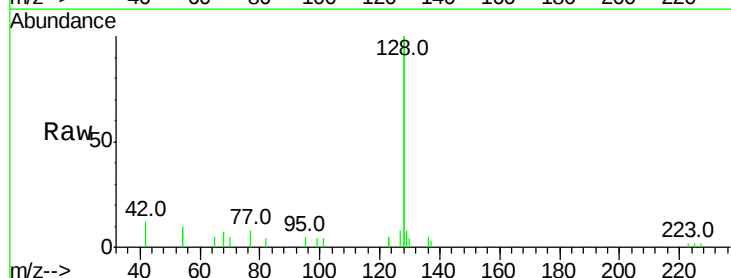
Tgt Ion: 128 Resp: 8663

Ion Ratio Lower Upper

128 100

129 4.2 2.6 3.8#

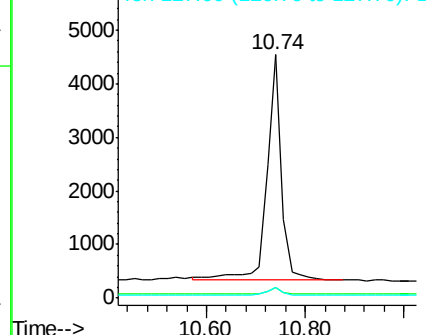
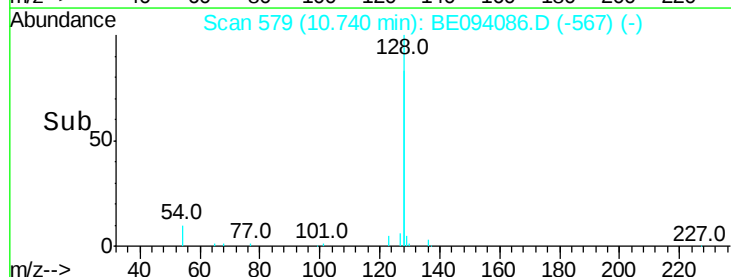
127 4.2 2.8 4.2#

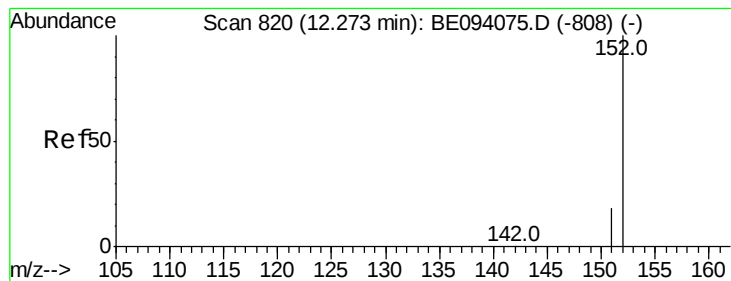


Abundance Ion 128.00 (127.70 to 128.70): BE094086.D (-567) (-)

Ion 129.00 (128.70 to 129.70): BE094086.D (-567) (-)

Ion 127.00 (126.70 to 127.70): BE094086.D (-567) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.350 ng

RT: 12.27 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

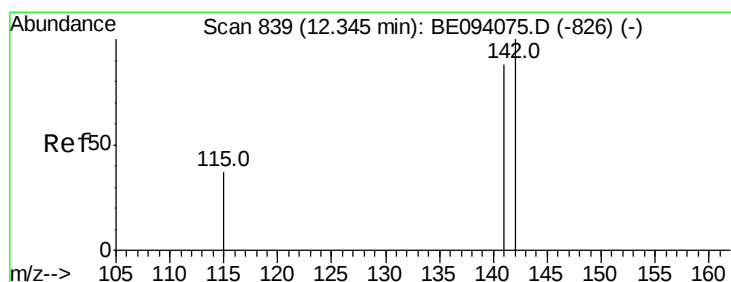
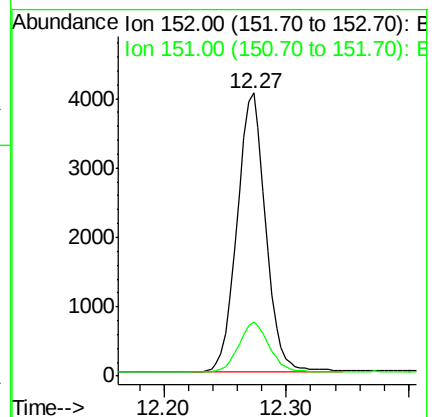
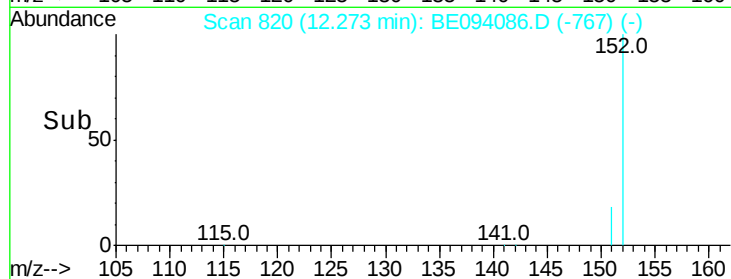
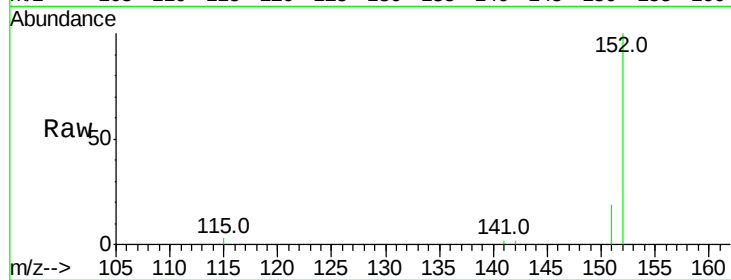
ClientSampleId :

Tot Ion:152 Resp: 6491

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.34 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

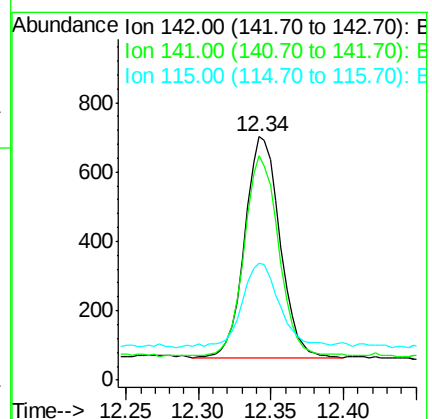
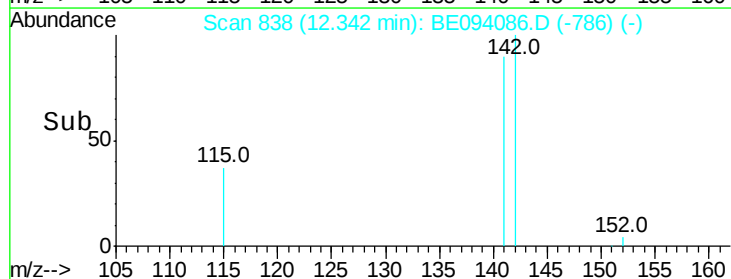
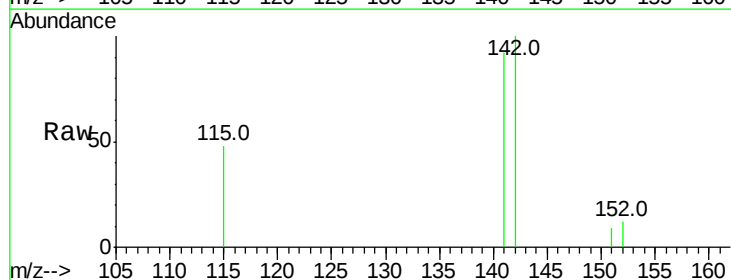
Tgt Ion:142 Resp: 1079

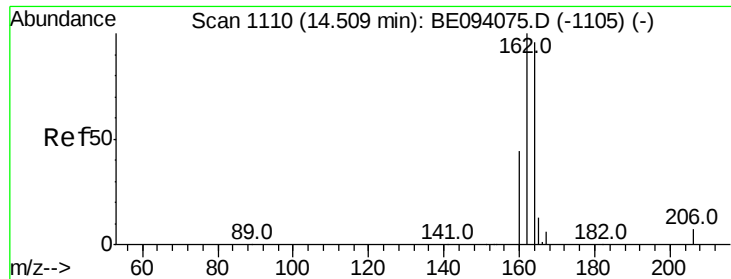
Ion Ratio Lower Upper

142 100

141 92.2 70.4 105.6

115 48.1 31.7 47.5#

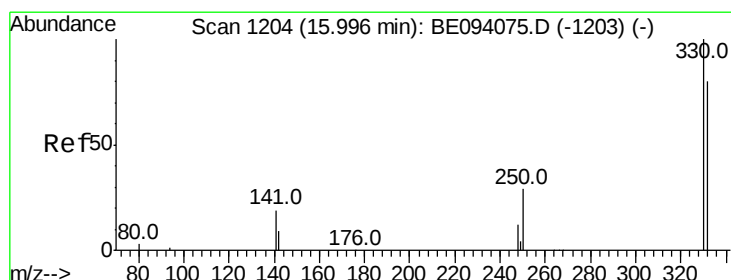
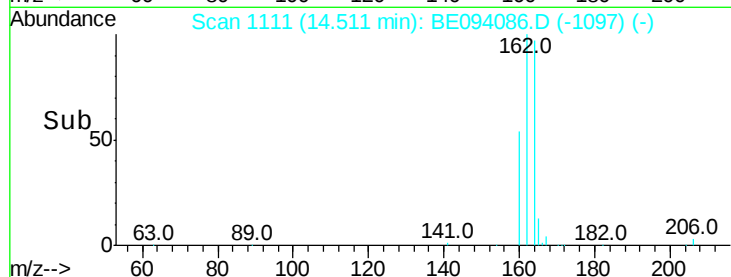
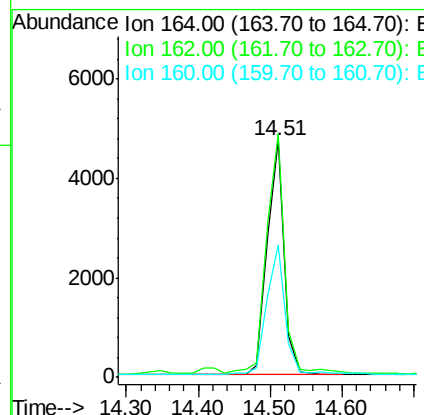
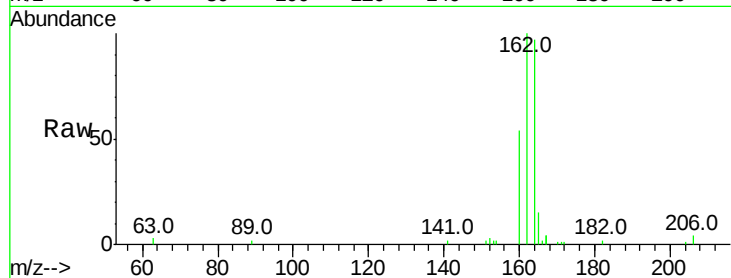




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.51 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: BE094086.D  
 Acq: 23 Sep 2017 20:05

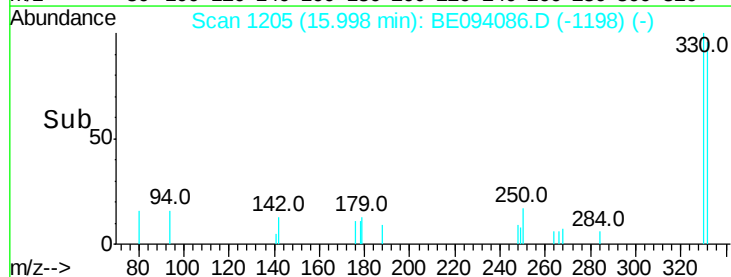
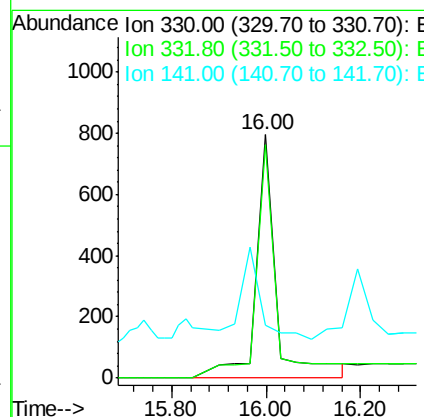
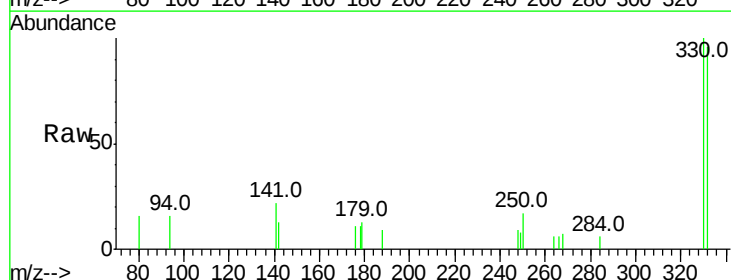
Instrument :  
 BNA\_E  
 ClientSampleId :

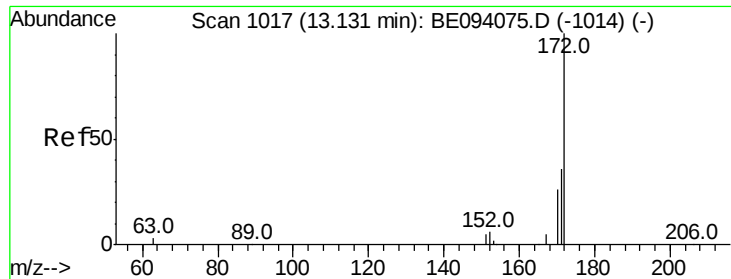
Tot Ion:164 Resp: 7639  
 Ion Ratio Lower Upper  
 164 100  
 162 102.7 83.1 124.7  
 160 55.6 37.1 55.7



#14  
 2,4,6-Tribromophenol  
 Concen: 0.432 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094086.D  
 Acq: 23 Sep 2017 20:05

Tgt Ion:330 Resp: 2506  
 Ion Ratio Lower Upper  
 330 100  
 332 94.1 152.7 229.1#  
 141 0.0 33.7 50.5#

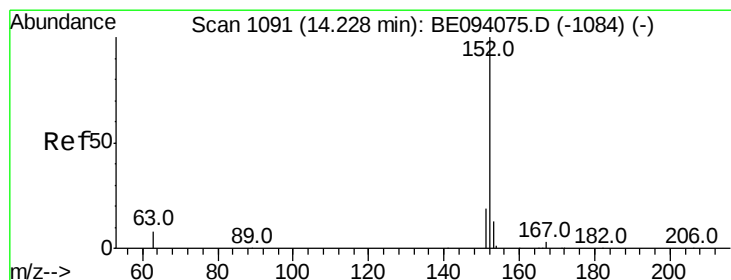
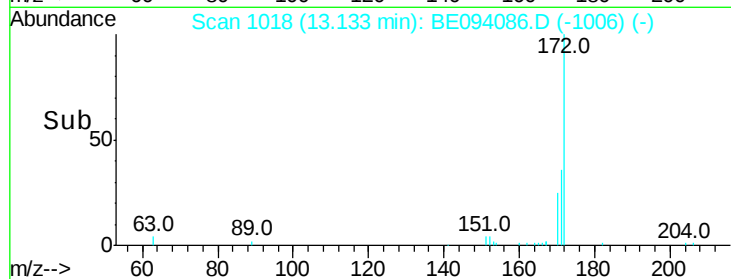
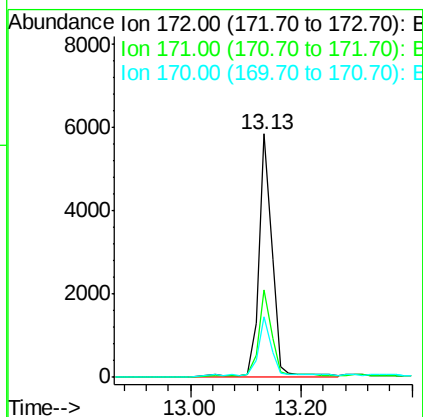
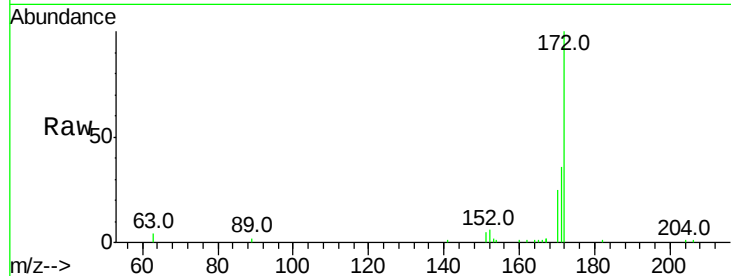




#15  
2-Fluorobiphenyl  
Concen: 0.418 ng  
RT: 13.13 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: BE094086.D  
Acq: 23 Sep 2017 20:05

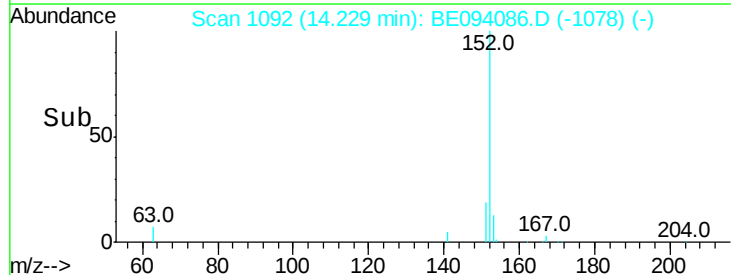
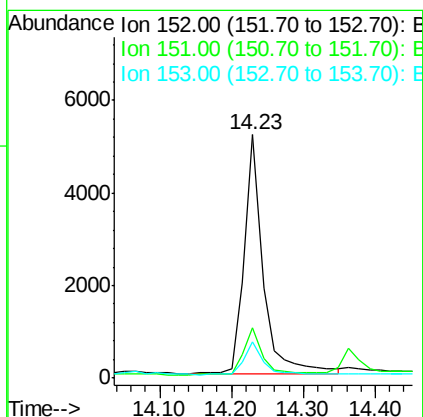
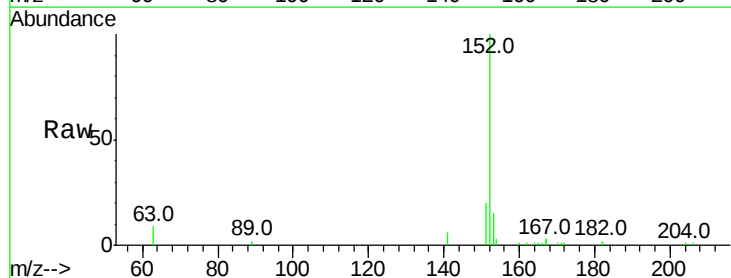
Instrument :  
BNA\_E  
ClientSampleId :

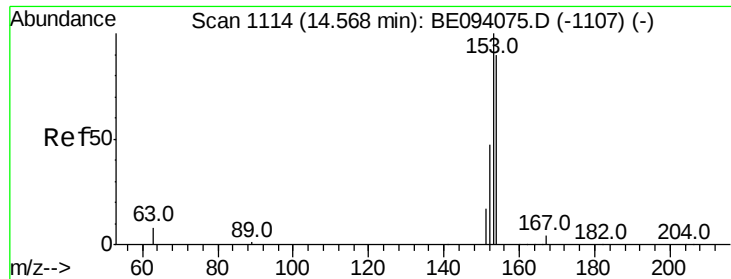
Tot Ion:172 Resp: 10482  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.9 44.9  
170 24.7 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.243 ng  
RT: 14.23 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: BE094086.D  
Acq: 23 Sep 2017 20:05

Tgt Ion:152 Resp: 9359  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.7 10.5 15.7





#17

Acenaphthene

Concen: 0.069 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

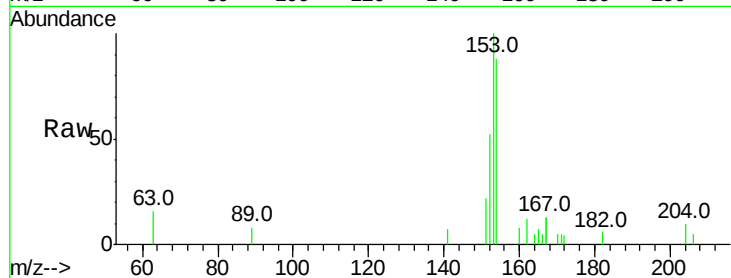
Tot Ion:154 Resp: 1748

Ion Ratio Lower Upper

154 100

153 113.0 89.2 133.8

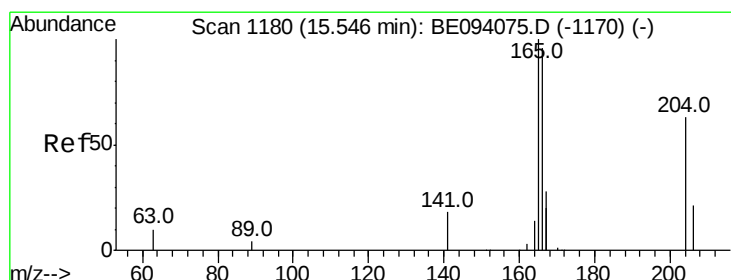
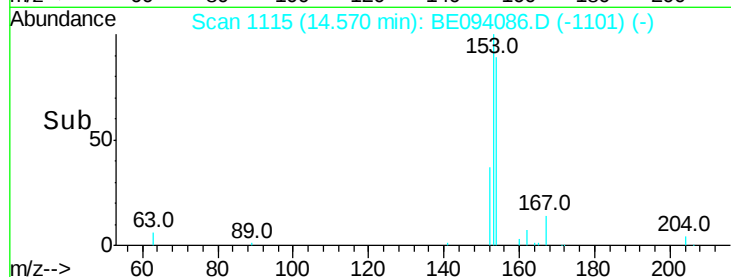
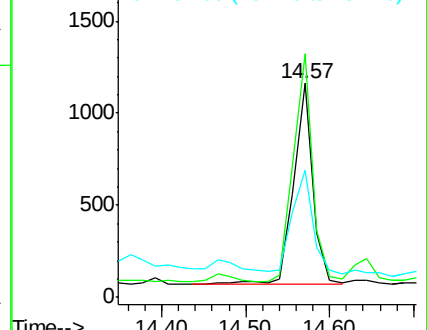
152 54.5 42.0 63.0



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: 0.093 ng

RT: 15.55 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

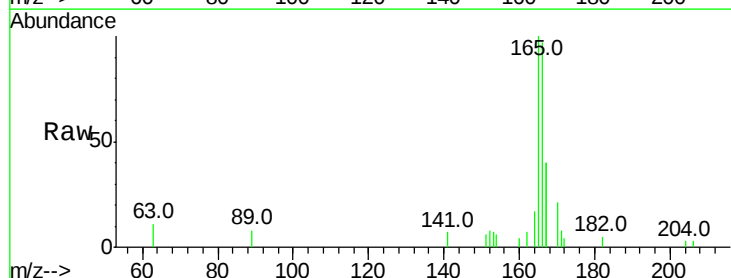
Tgt Ion:166 Resp: 3541

Ion Ratio Lower Upper

166 100

165 107.9 77.8 116.6

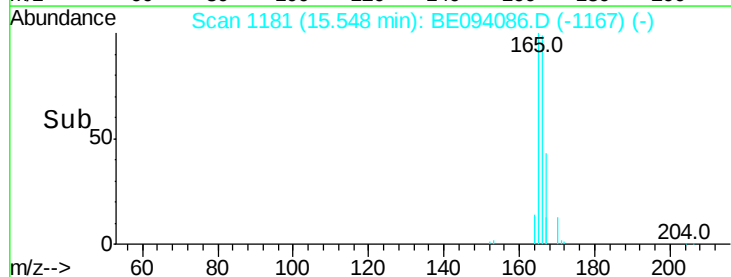
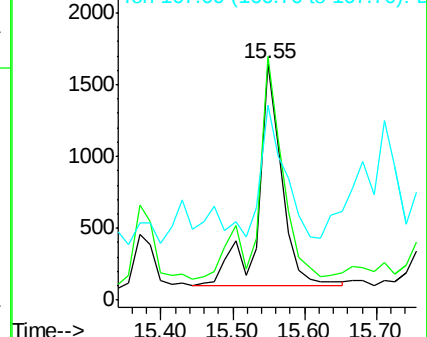
167 59.3 42.4 63.6

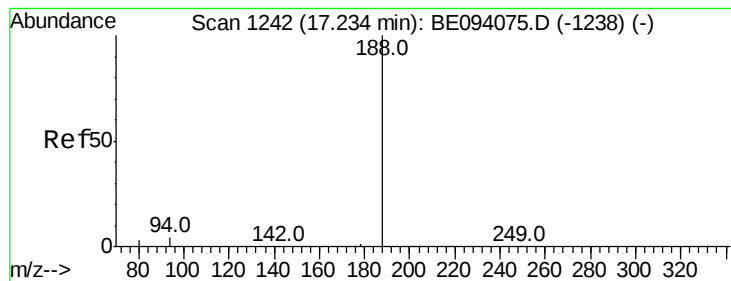


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampled :

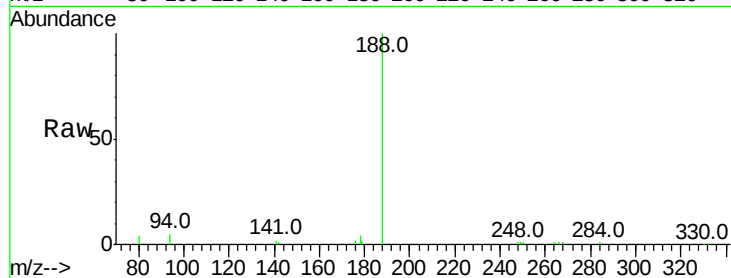
Tot Ion:188 Resp: 21463

Ion Ratio Lower Upper

188 100

94 4.5 3.9 5.9

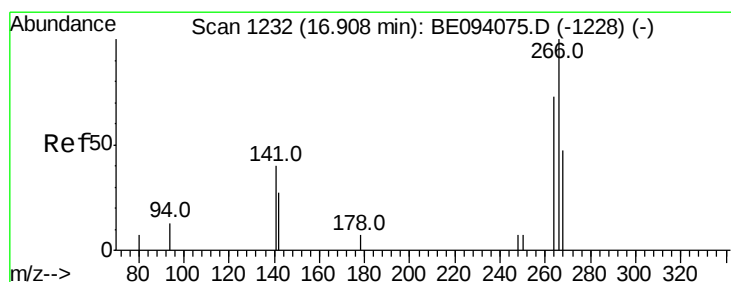
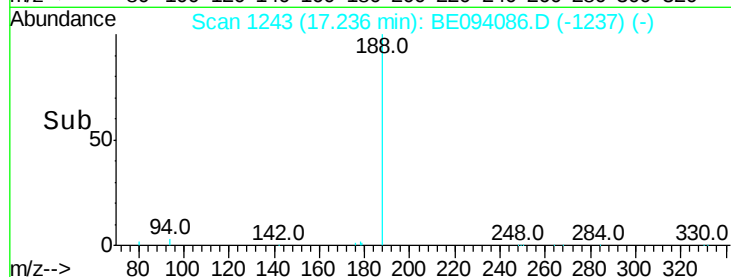
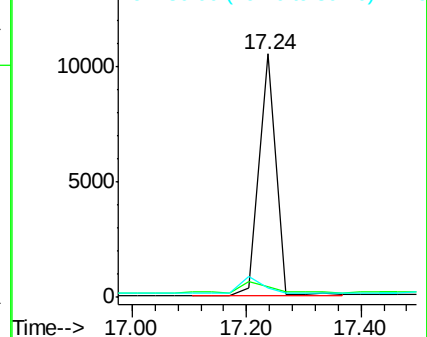
80 4.0 3.6 5.4



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: 0.042 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

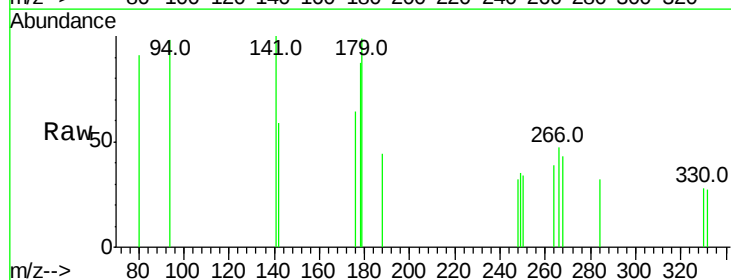
Tgt Ion:266 Resp: 123

Ion Ratio Lower Upper

266 100

264 82.9 72.5 108.7

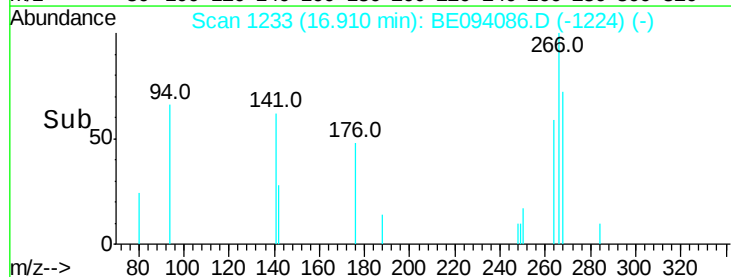
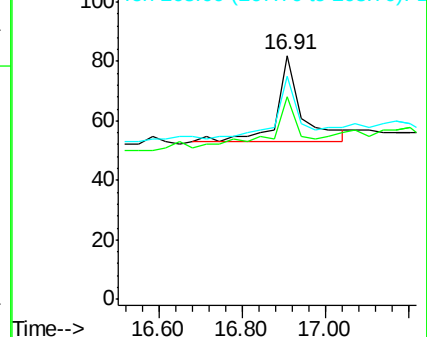
268 91.5 73.8 110.6

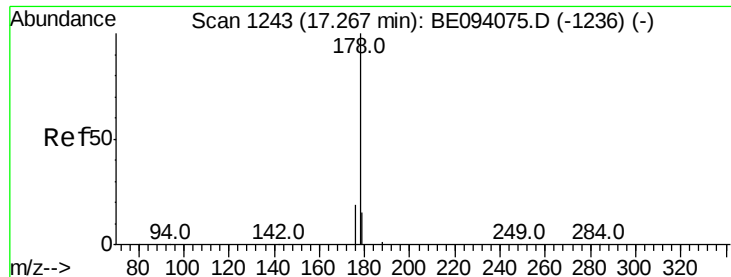


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.498 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

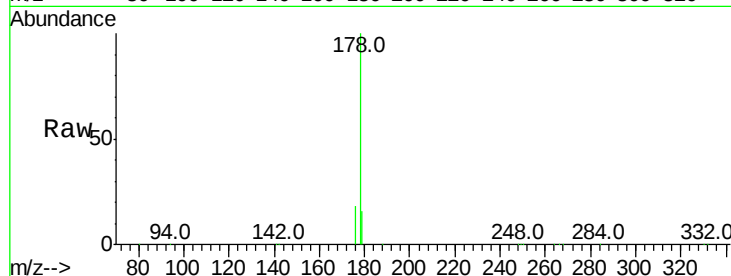
Instrument :

BNA\_E

ClientSampled :

Tot Ion:178 Resp: 115147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.3  | 15.1  | 22.7  |
| 179 | 16.6  | 11.8  | 17.6  |

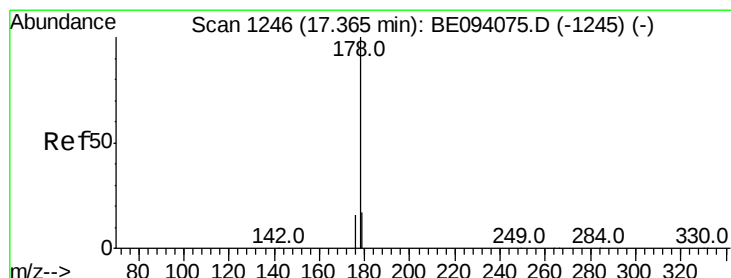
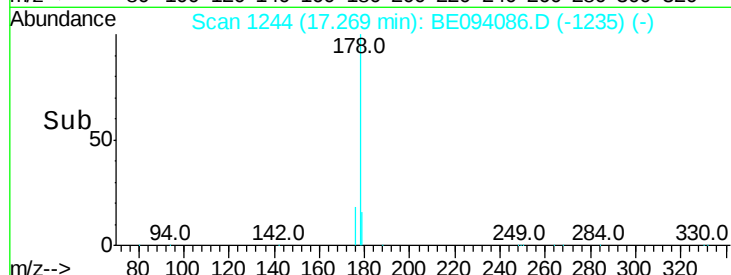
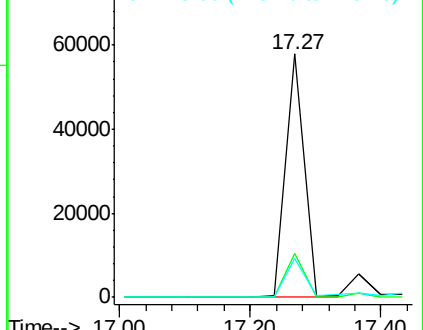


Abundance

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: 1.941 ng

RT: 17.27 min Scan# 1244

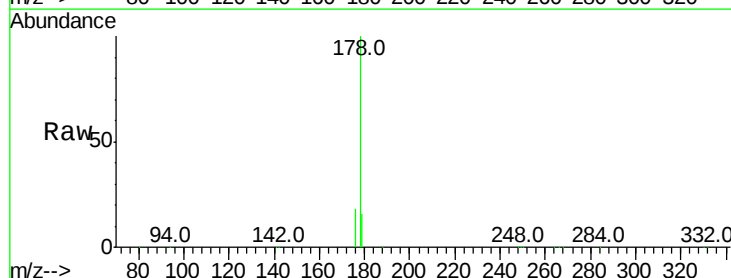
Delta R.T. -0.10 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Tgt Ion:178 Resp: 115030

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.3  | 12.8  | 19.2  |
| 179 | 16.5  | 13.0  | 19.6  |

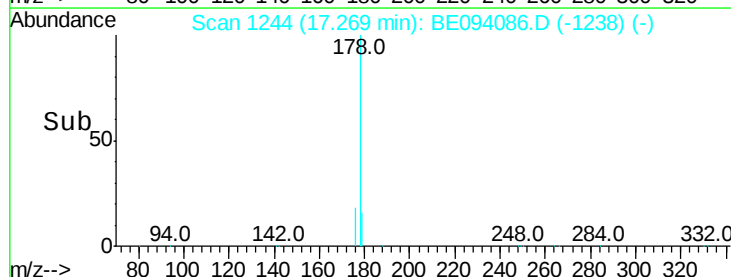
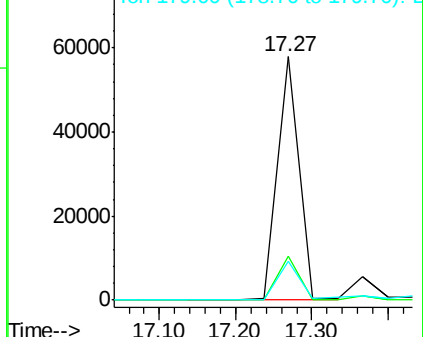


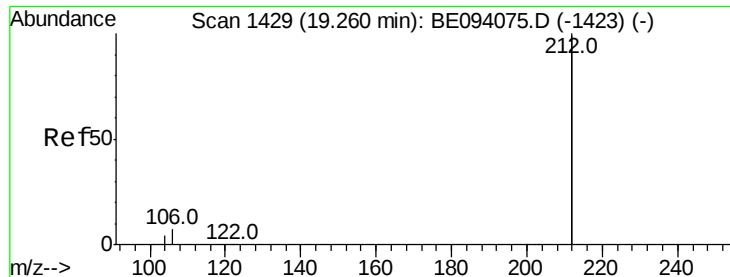
Abundance

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: 0.265 ng

RT: 19.26 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

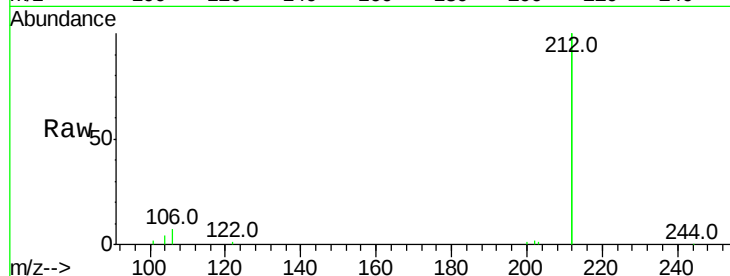
Tot Ion:212 Resp: 73065

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

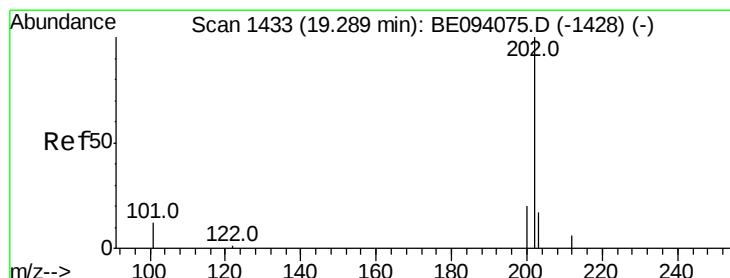
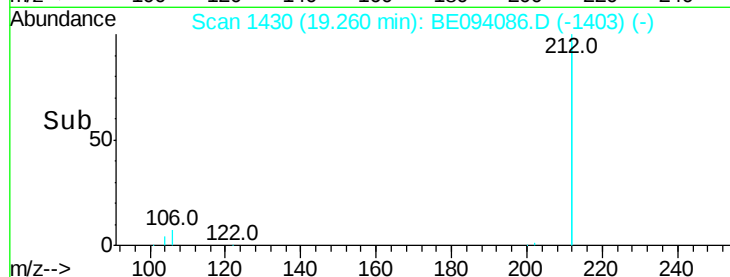
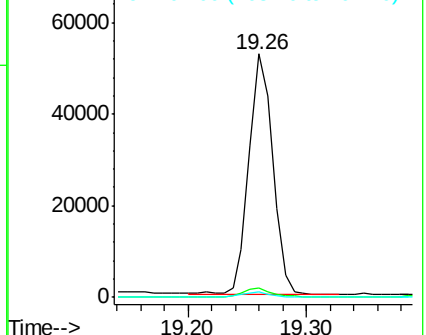
104 2.1 1.6 2.4



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: 2.669 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

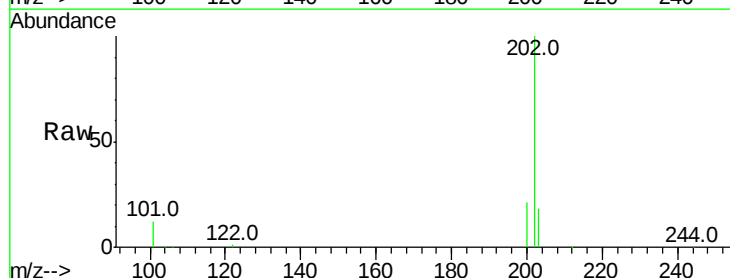
Tgt Ion:202 Resp: 220186

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.8

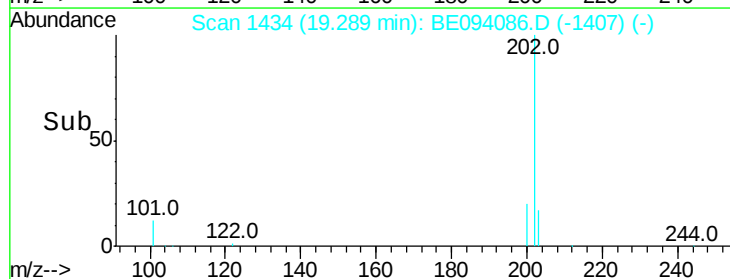
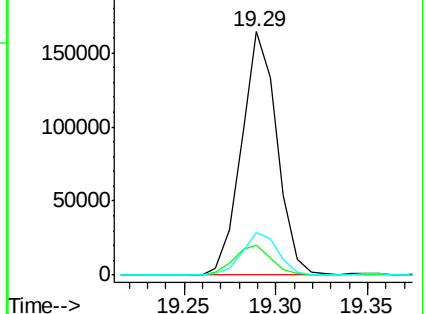
203 17.5 13.7 20.5

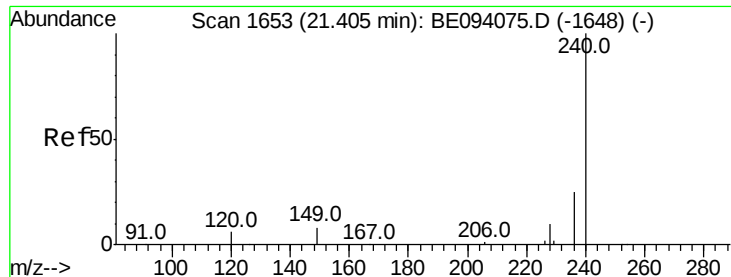


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

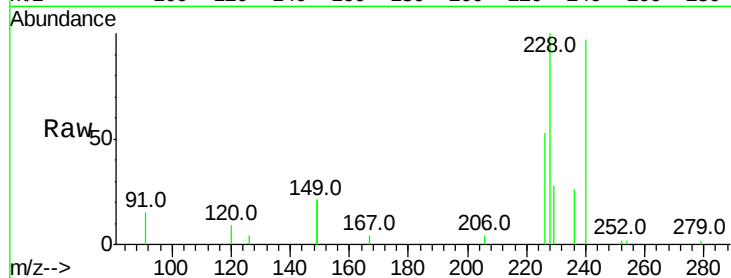




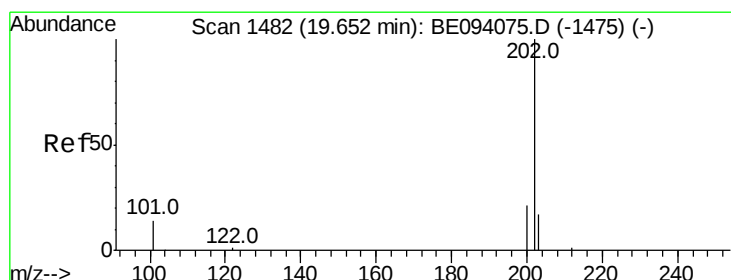
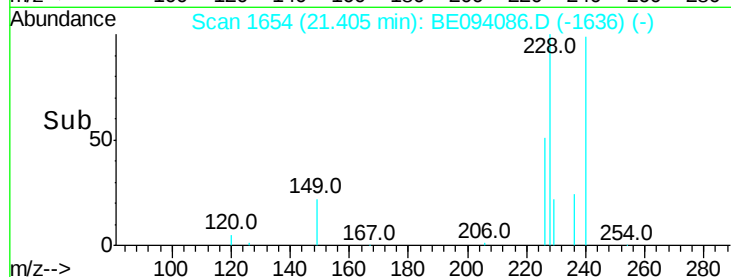
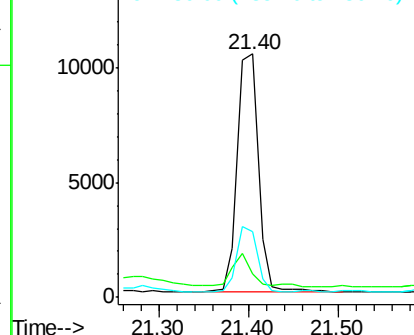
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BE094086.D  
 Acq: 23 Sep 2017 20:05

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:240 Resp: 16940  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 5.5 8.3#  
 236 27.0 20.7 31.1

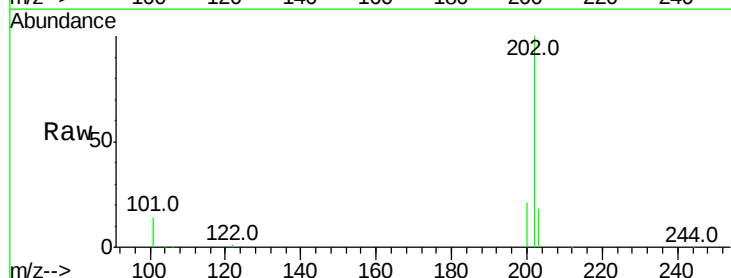


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

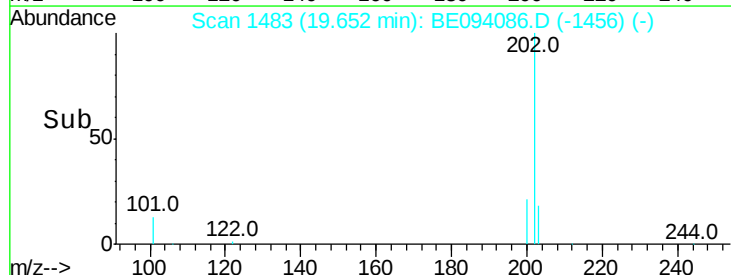
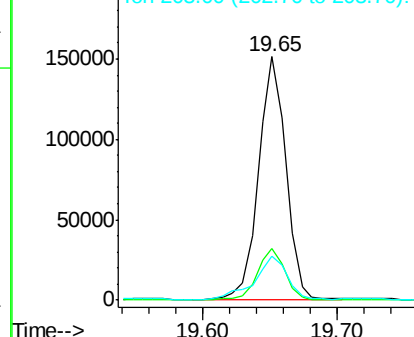


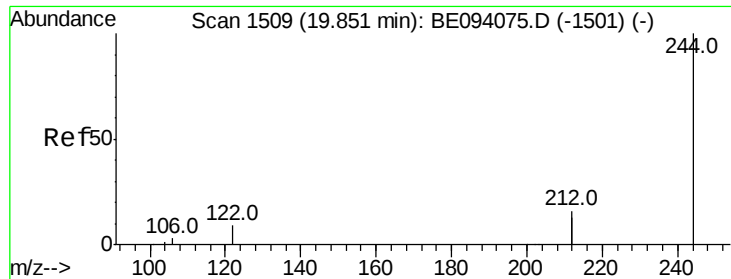
#28  
 Pyrene  
 Concen: 4.561 ng  
 RT: 19.65 min Scan# 1483  
 Delta R.T. 0.00 min  
 Lab File: BE094086.D  
 Acq: 23 Sep 2017 20:05

Tgt Ion:202 Resp: 213755  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 16.6 25.0  
 203 21.5 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: 0.377 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampled :

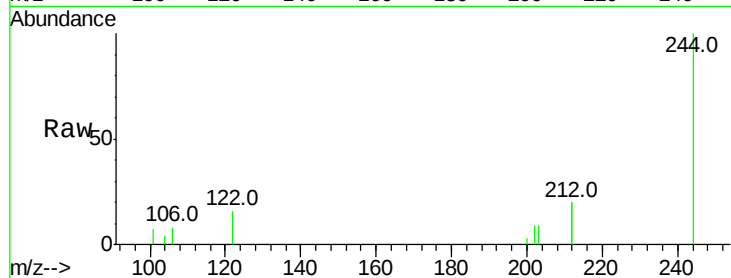
Tot Ion:244 Resp: 9996

Ion Ratio Lower Upper

244 100

212 39.4 25.4 38.0#

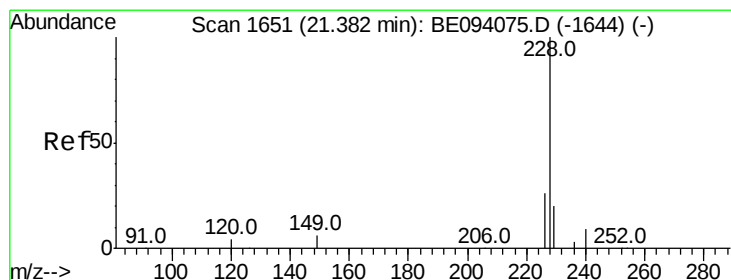
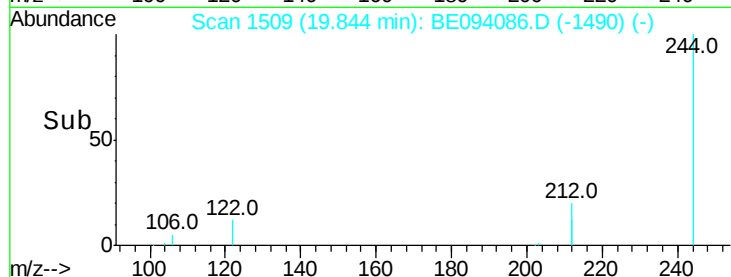
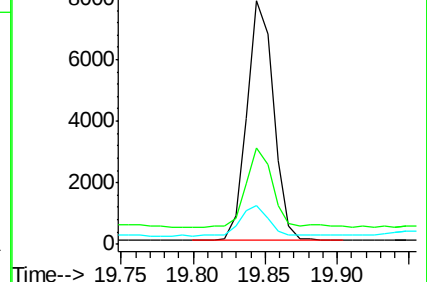
122 16.1 8.1 12.1#



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: 1.543 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

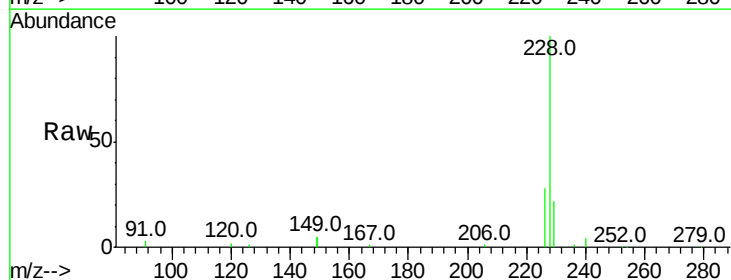
Tgt Ion:228 Resp: 87552

Ion Ratio Lower Upper

228 100

226 27.9 21.4 32.0

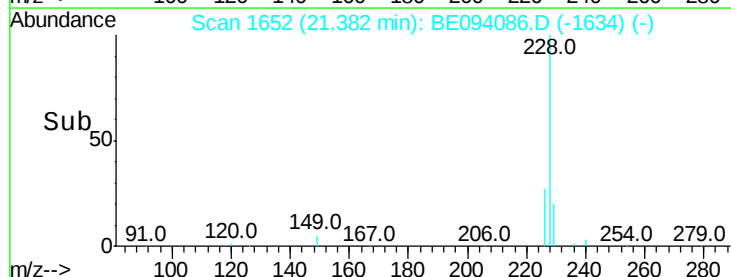
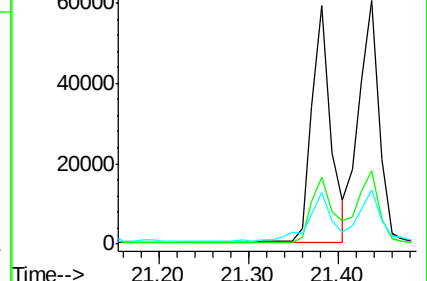
229 21.6 16.4 24.6

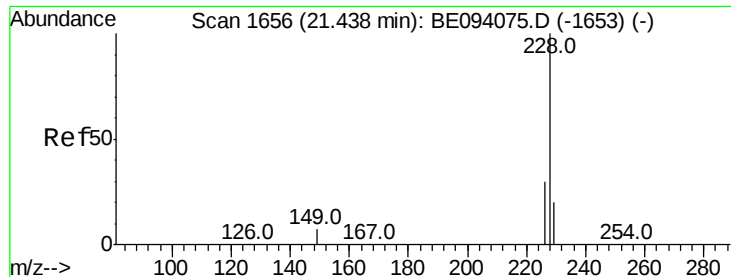


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.705 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

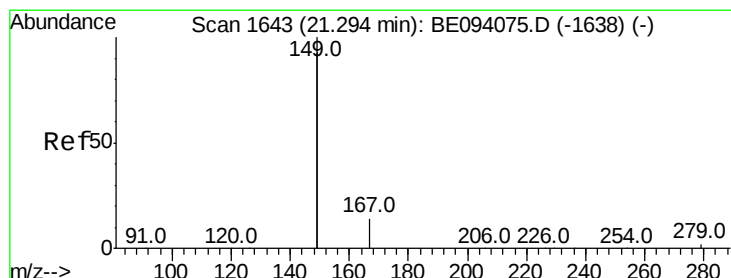
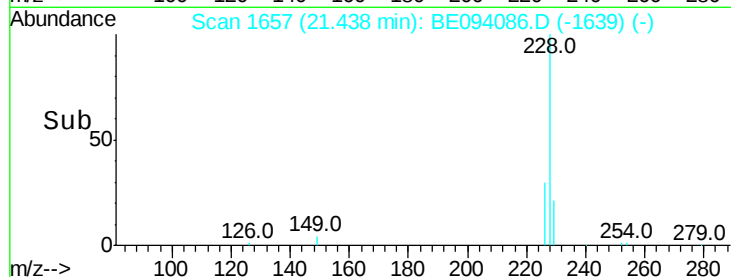
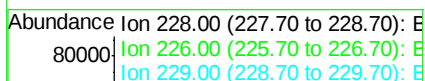
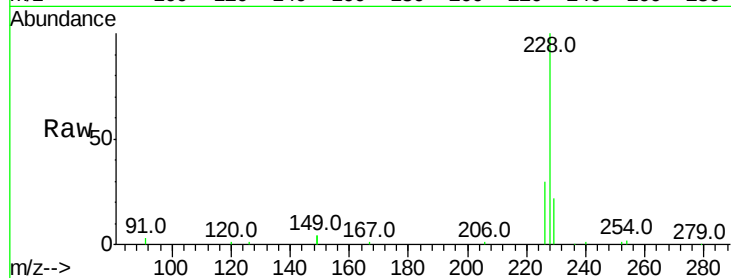
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:228 Resp: 94812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.1  | 23.6  | 35.4  |
| 229 | 22.3  | 16.4  | 24.6  |



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.281 ng

RT: 21.29 min Scan# 1644

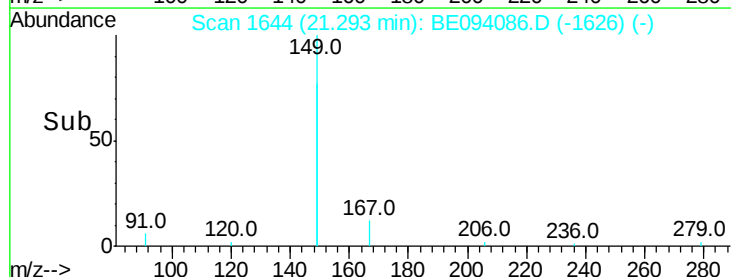
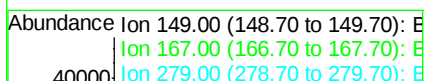
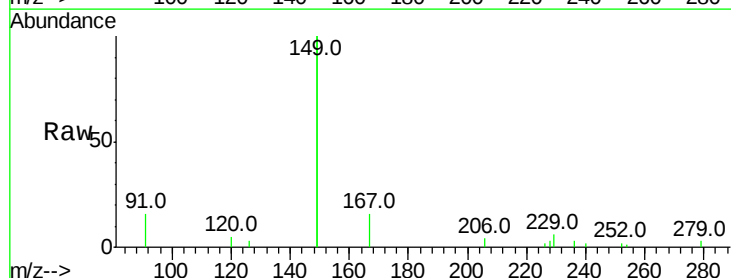
Delta R.T. -0.00 min

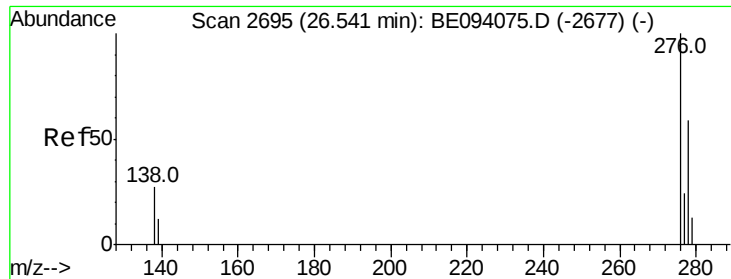
Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Tgt Ion:149 Resp: 42827

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 7.7   | 5.4   | 8.0   |
| 279 | 1.0   | 0.7   | 1.1   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.214 ng

RT: 26.54 min Scan# 2695

Delta R.T. -0.00 min

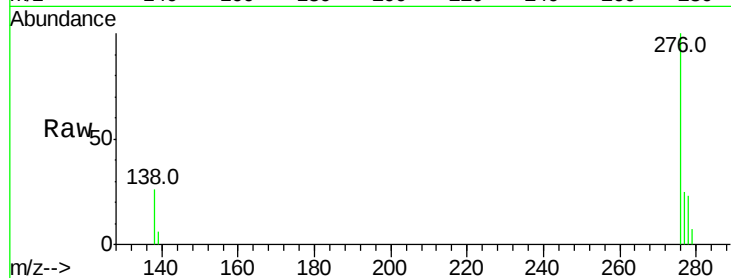
Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :



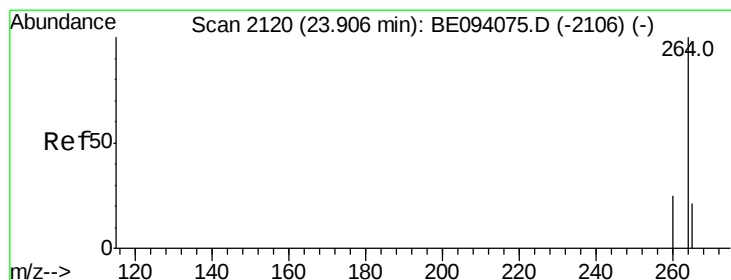
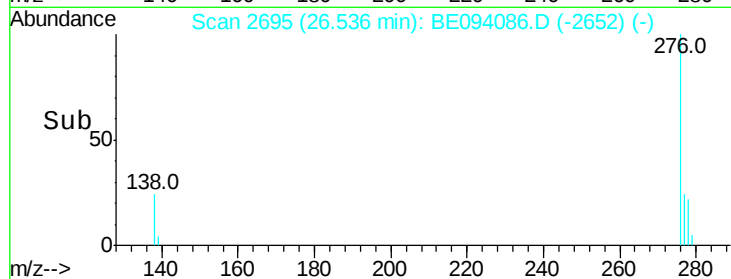
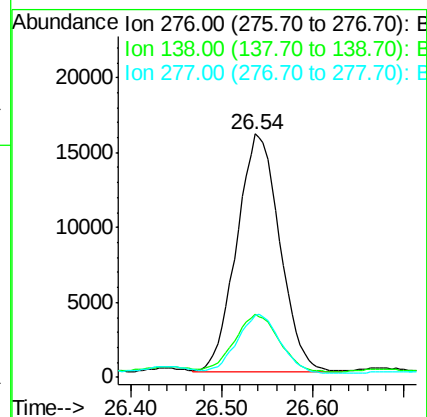
Tot Ion:276 Resp: 52166

Ion Ratio Lower Upper

276 100

138 24.6 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

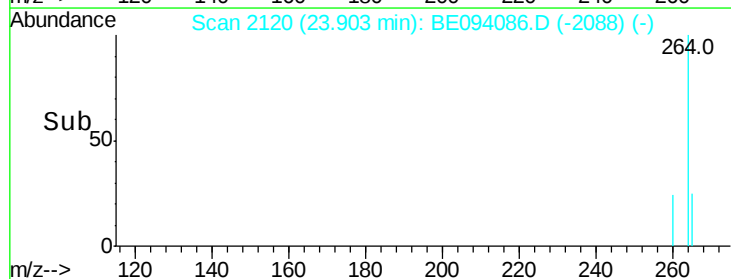
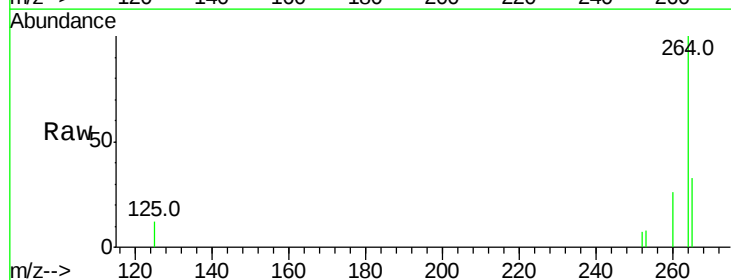
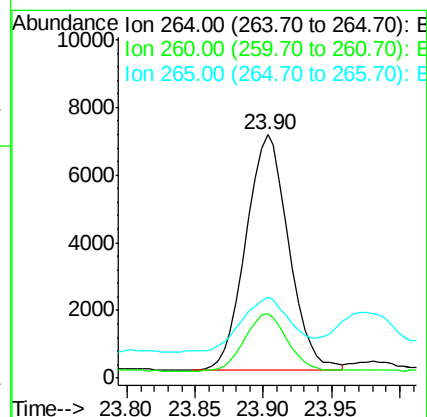
Tgt Ion:264 Resp: 15225

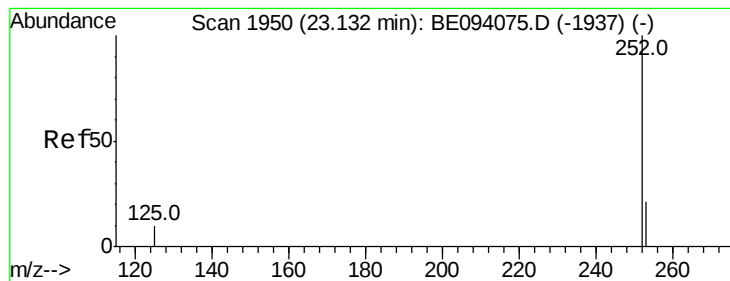
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 33.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 2.027 ng

RT: 23.14 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

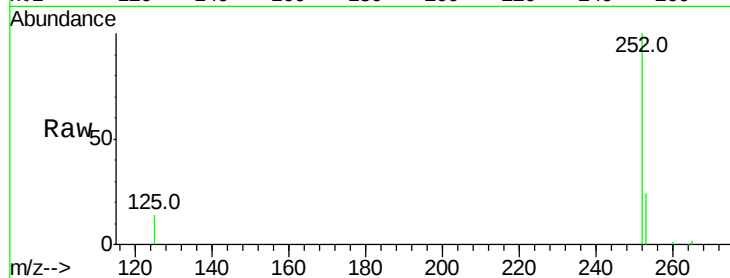
Tot Ion:252 Resp: 111702

Ion Ratio Lower Upper

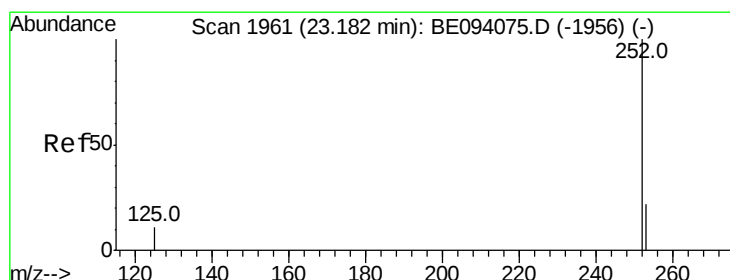
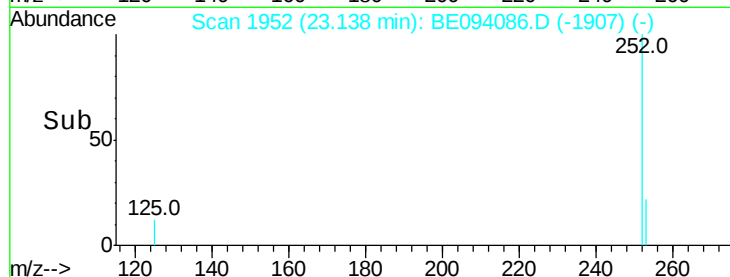
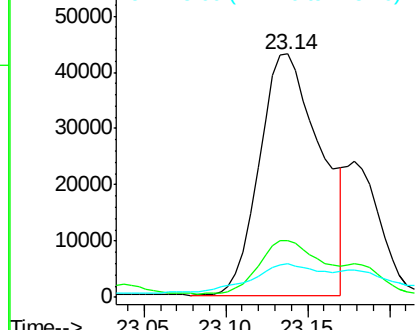
252 100

253 23.5 18.2 27.2

125 13.7 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: 2.020 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.04 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

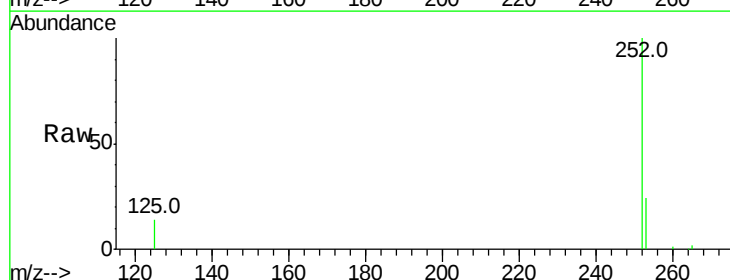
Tgt Ion:252 Resp: 111702

Ion Ratio Lower Upper

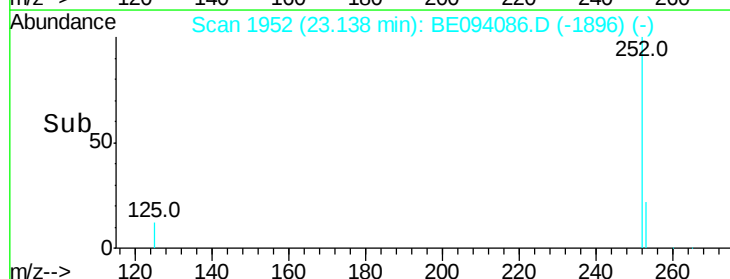
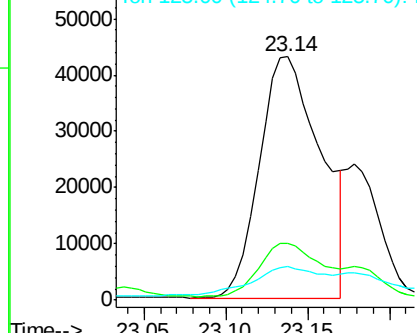
252 100

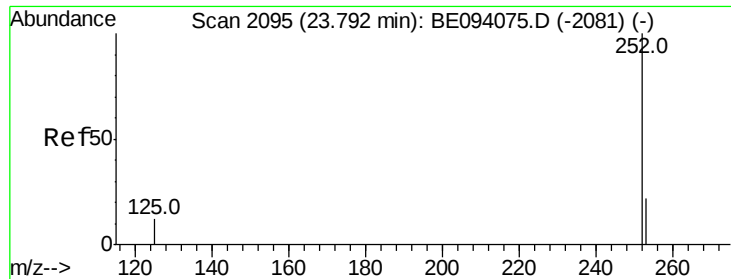
253 23.5 18.6 27.8

125 13.7 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: 1.535 ng

RT: 23.79 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :

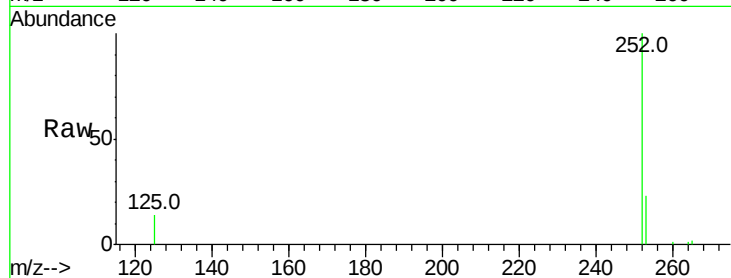
Tot Ion:252 Resp: 75968

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.6

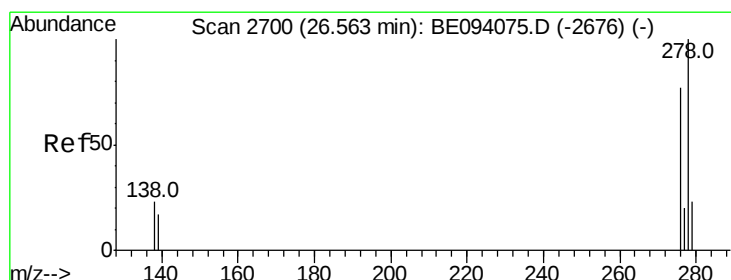
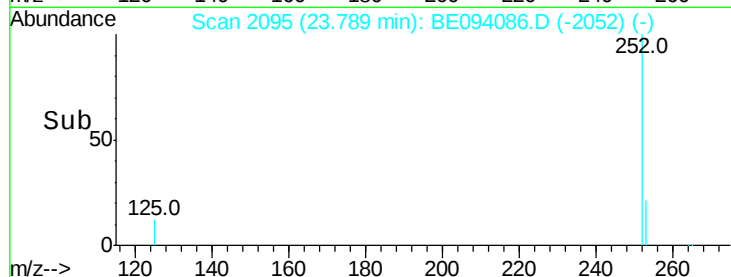
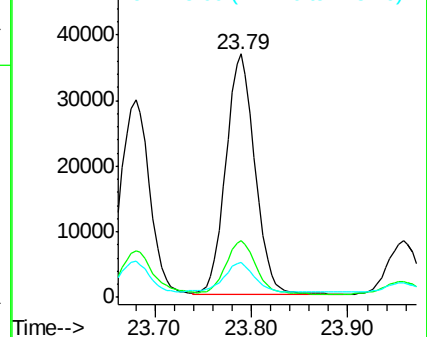
125 14.1 11.8 17.8



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: 0.363 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.01 min

Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

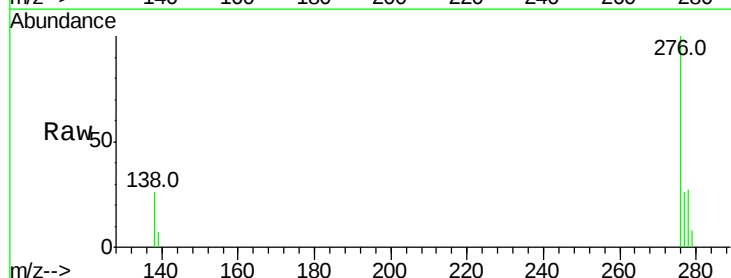
Tgt Ion:278 Resp: 14366

Ion Ratio Lower Upper

278 100

139 26.8 16.3 24.5#

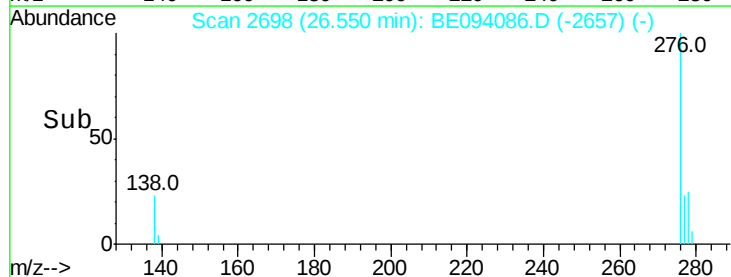
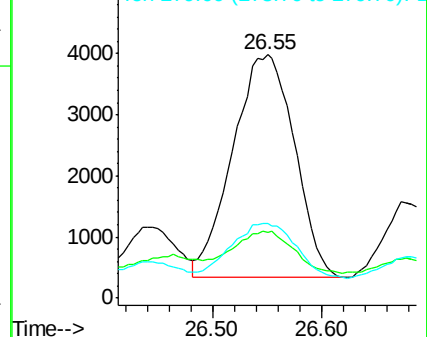
279 30.7 19.9 29.9#

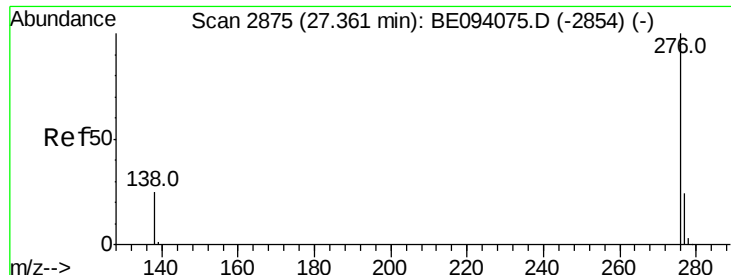


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.396 ng

RT: 27.36 min Scan# 2876

Delta R.T. 0.00 min

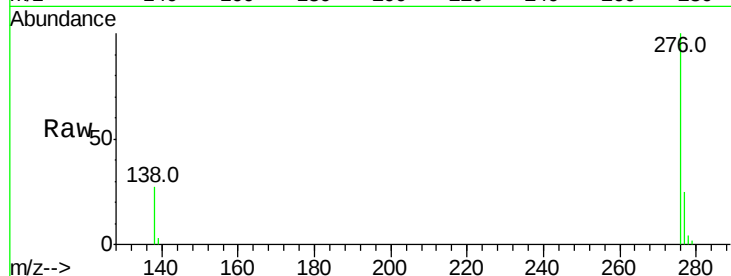
Lab File: BE094086.D

Acq: 23 Sep 2017 20:05

Instrument :

BNA\_E

ClientSampleId :



Tot Ion:276 Resp: 55294

Ion Ratio Lower Upper

276 100

277 24.5 20.8 31.2

138 27.1 21.5 32.3

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

