

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\  
 Data File : BE094110.D  
 Acq On : 25 Sep 2017 19:53  
 Operator : SJ/JU  
 Sample : I5340-08RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 01:36:12 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  | 1542     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 7283     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 4525     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 16826    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 16655    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.91 | 264  | 15570    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.50  | 112 | 1808  | 0.31 | ng | 0.00 |
| 5) Phenol-d6                | 7.09  | 99  | 2179  | 0.27 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 1862  | 0.26 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 2196  | 0.20 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 477   | 0.16 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 3036  | 0.20 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.27 | 212 | 28528 | 0.18 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 4161  | 0.14 | ng | 0.00 |

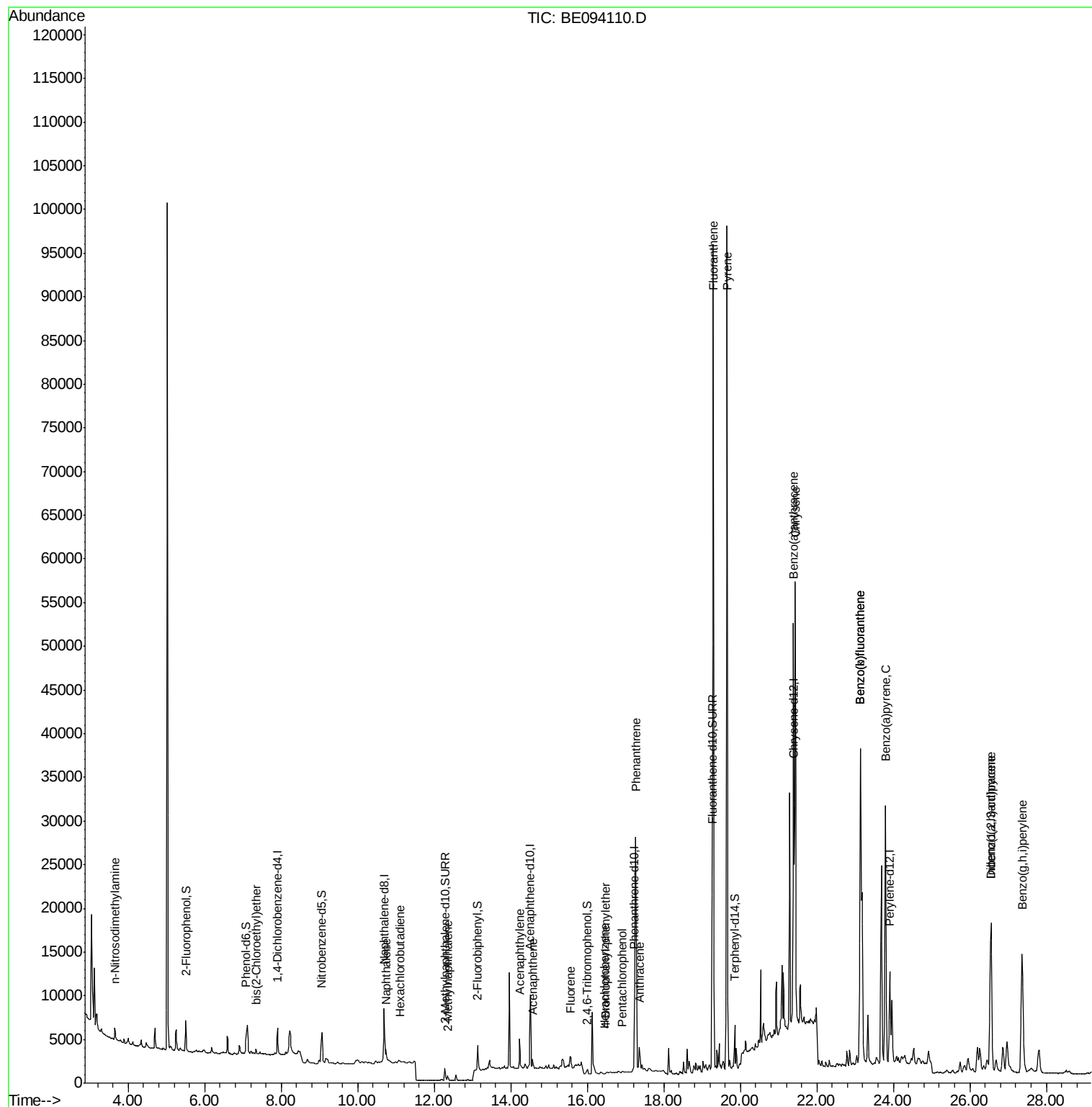
|                                |       |     |       |           |    |      |
|--------------------------------|-------|-----|-------|-----------|----|------|
| Target Compounds               |       |     |       | Qvalue    |    |      |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 372   | 0.097     | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 757   | 0.120     | ng | # 1  |
| 9) Naphthalene                 | 10.74 | 128 | 2272  | 0.028     | ng | # 90 |
| 10) Hexachlorobutadiene        | 11.09 | 225 | 4     | 0.001     | ng | # 17 |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 356   | 0.027     | ng | # 78 |
| 16) Acenaphthylene             | 14.23 | 152 | 4625  | 0.204     | ng | 99   |
| 17) Acenaphthene               | 14.57 | 154 | 510   | 0.036     | ng | # 87 |
| 18) Fluorene                   | 15.56 | 166 | 1301  | 0.068     | ng | # 84 |
| 20) 4-Bromophenyl-phenylether  | 16.49 | 248 | 4     | 0.001     | ng | # 2  |
| 21) Hexachlorobenzene          | 16.45 | 284 | 6     | 0.001     | ng | # 38 |
| 22) Pentachlorophenol          | 16.91 | 266 | 123   | 0.031     | ng | 90   |
| 23) Phenanthrene               | 17.27 | 178 | 40176 | 0.933     | ng | 98   |
| 24) Anthracene                 | 17.37 | 178 | 4946  | 0.110     | ng | # 94 |
| 26) Fluoranthene               | 19.29 | 202 | 86727 | 1.798     | ng | 99   |
| 28) Pyrene                     | 19.65 | 202 | 86370 | 1.637     | ng | # 96 |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 41820 | 0.746     | ng | 98   |
| 31) Chrysene                   | 21.44 | 228 | 51720 | 0.956     | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 32832 | Below Cal |    | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 31750 | 0.548     | ng | 96   |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 66125 | 1.177     | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 66125 | 1.229     | ng | 100  |
| 37) Benzo(a)pyrene             | 23.79 | 252 | 45104 | 0.889     | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278 | 7796  | 0.162     | ng | # 84 |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 32430 | 0.682     | ng | 99   |

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

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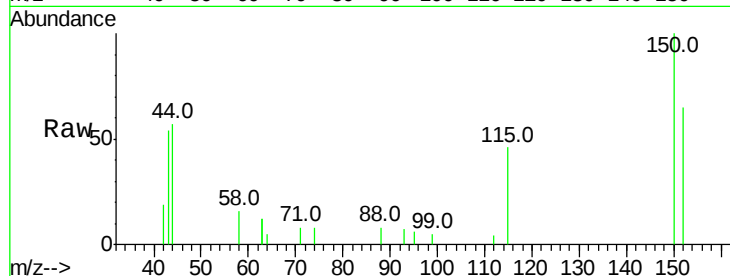


#1

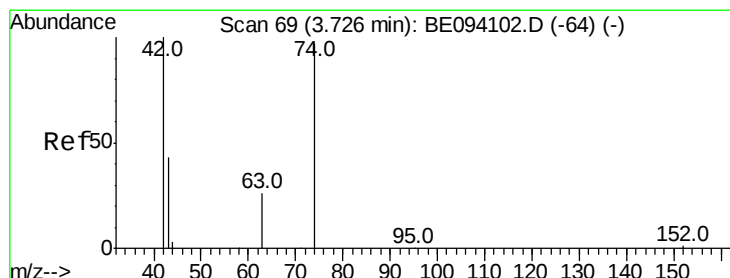
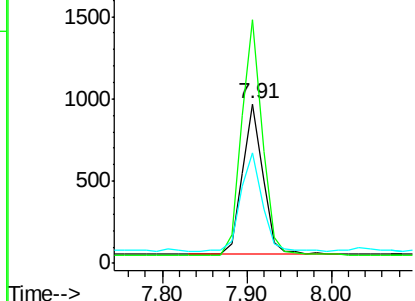
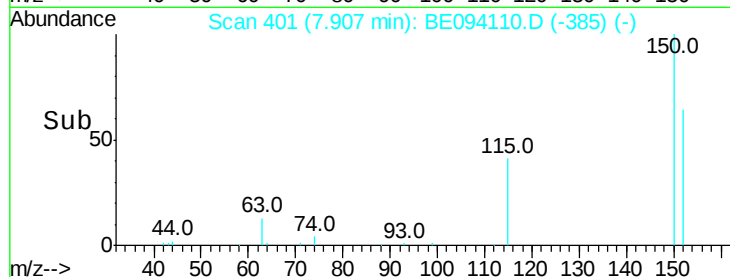
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1542  
Ion Ratio Lower Upper  
152 100  
150 152.7 117.2 175.8  
115 69.6 57.0 85.6



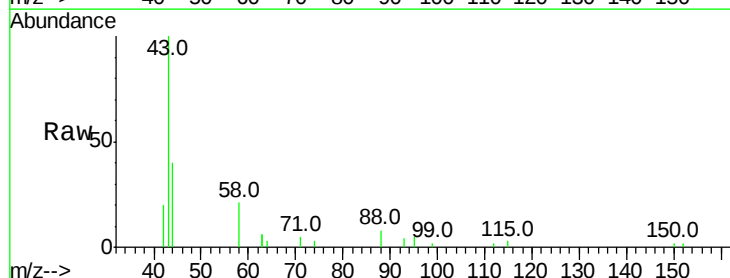
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



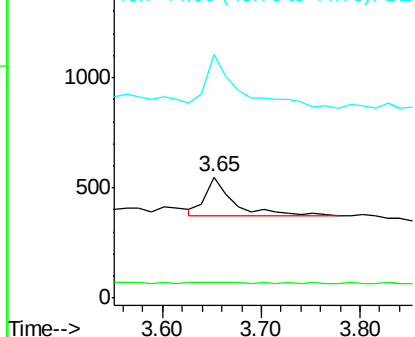
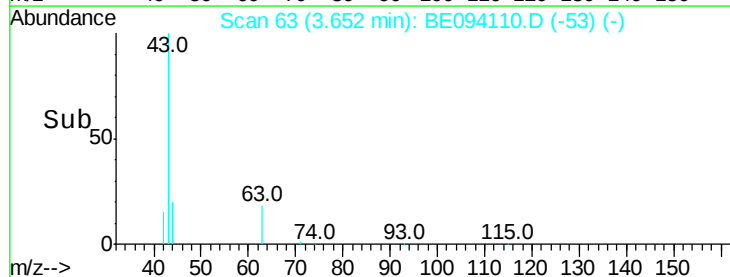
#3

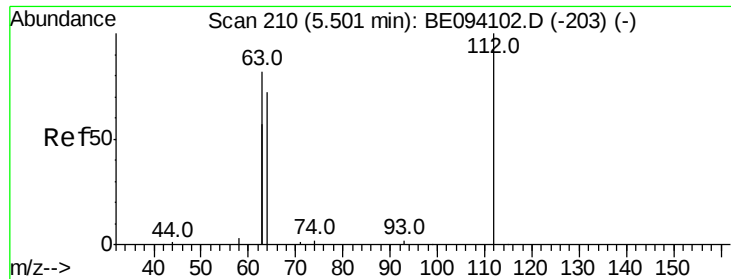
n-Nitrosodimethylamine  
Concen: 0.097 ng  
RT: 3.65 min Scan# 63  
Delta R.T. -0.07 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

Tgt Ion: 42 Resp: 372  
Ion Ratio Lower Upper  
42 100  
74 7.8 100.3 150.5#  
44 149.7 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: 0.309 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

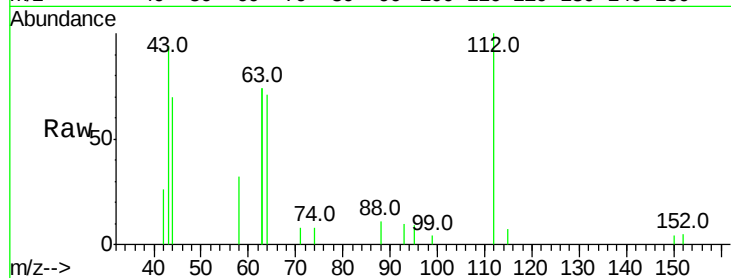
Tot Ion:112 Resp: 1808

Ion Ratio Lower Upper

112 100

64 73.0 60.1 90.1

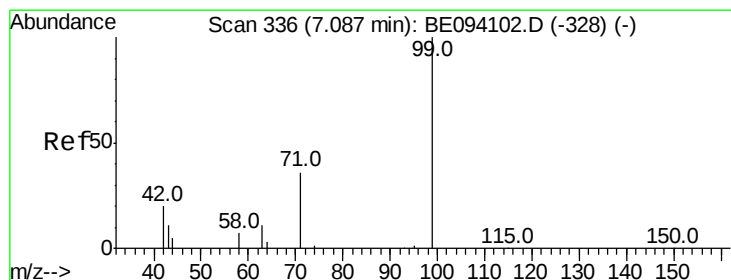
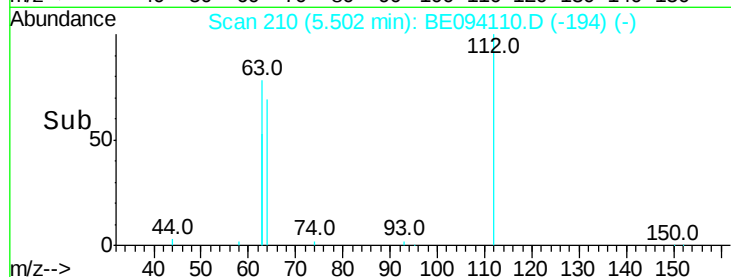
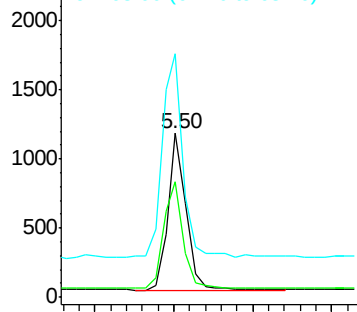
63 149.9 116.8 175.2



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: 0.268 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

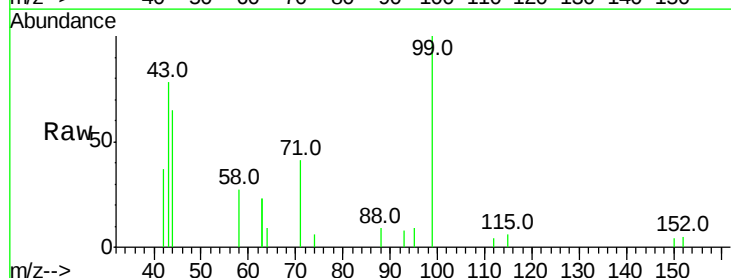
Tgt Ion: 99 Resp: 2179

Ion Ratio Lower Upper

99 100

42 27.5 20.2 30.2

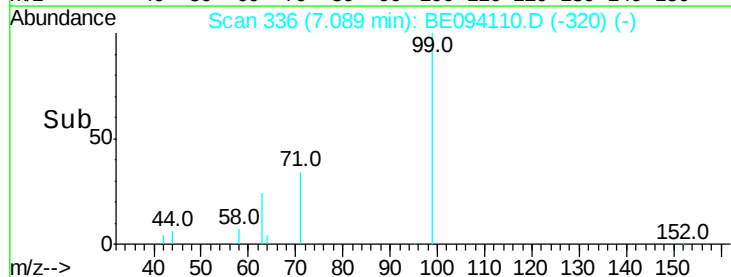
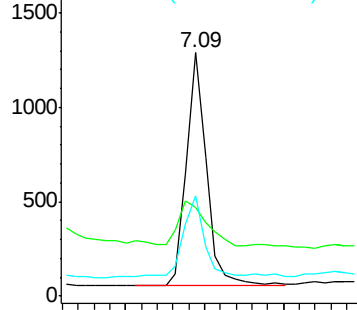
71 39.9 28.4 42.6

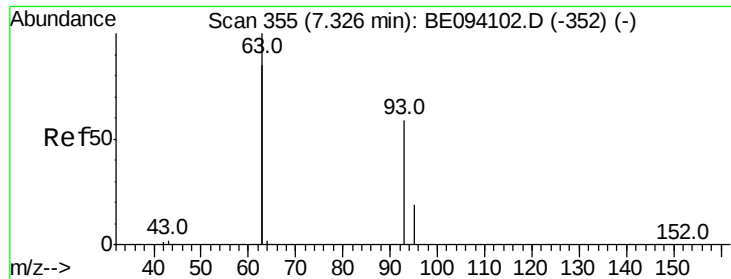


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.120 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

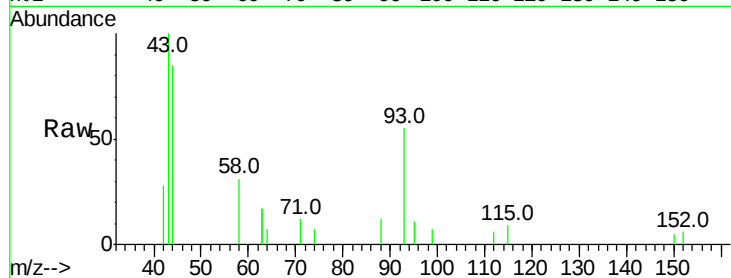
Tot Ion: 93 Resp: 757

Ion Ratio Lower Upper

93 100

63 12.8 275.3 412.9#

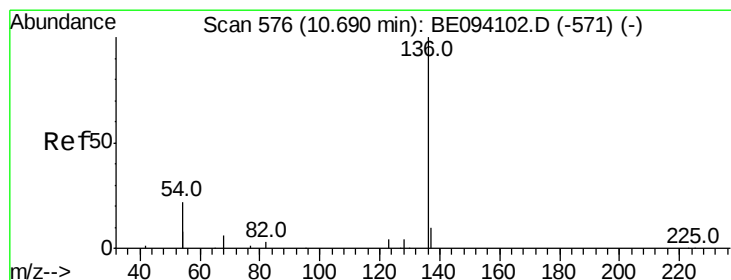
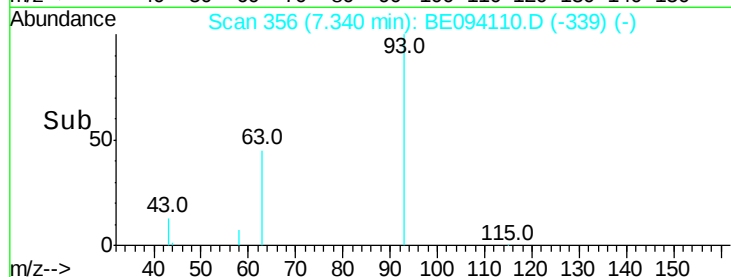
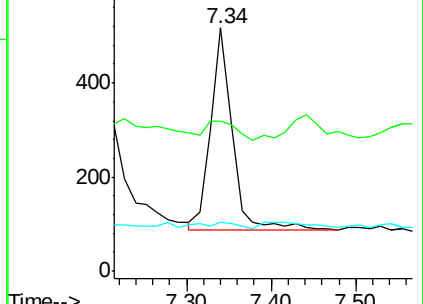
95 4.9 25.2 37.8#



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: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion: 136 Resp: 7283

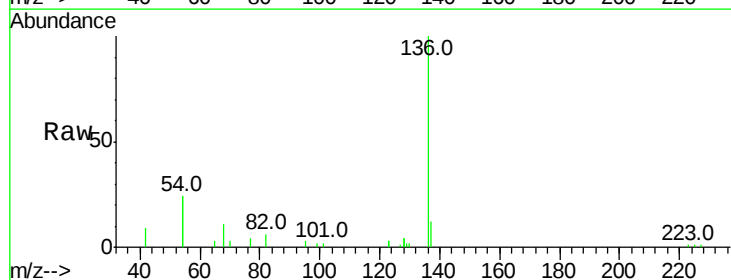
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 47.7 29.1 43.7#

68 10.6 6.2 9.2#

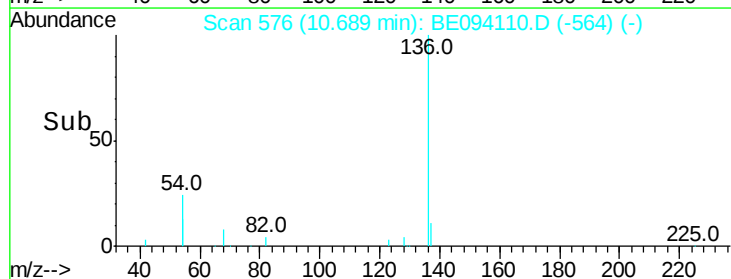
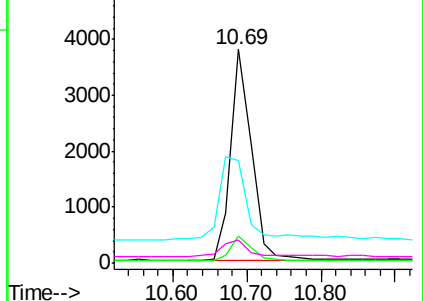


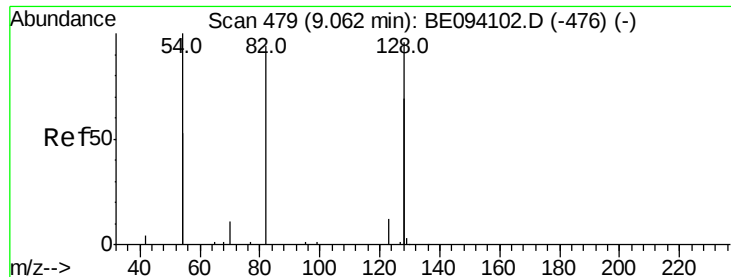
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.264 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

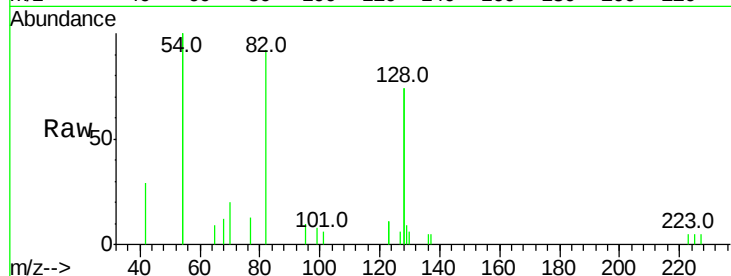
Tot Ion: 82 Resp: 1862

Ion Ratio Lower Upper

82 100

128 160.1 150.0 225.0

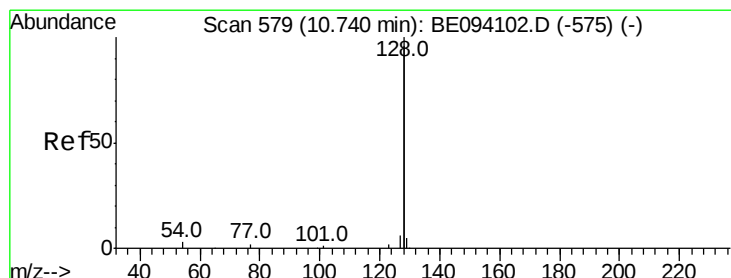
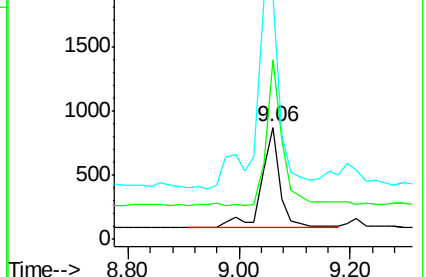
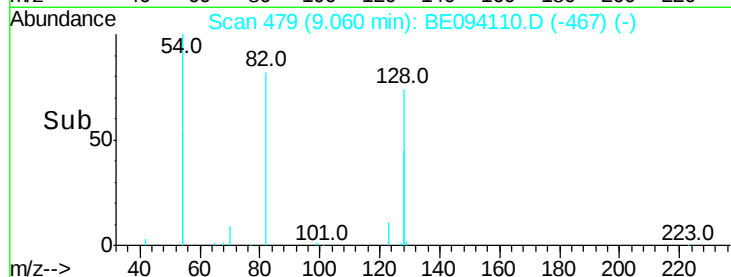
54 217.0 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094110.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094110.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094110.D (-467) (-)



#9

Naphthalene

Concen: 0.028 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

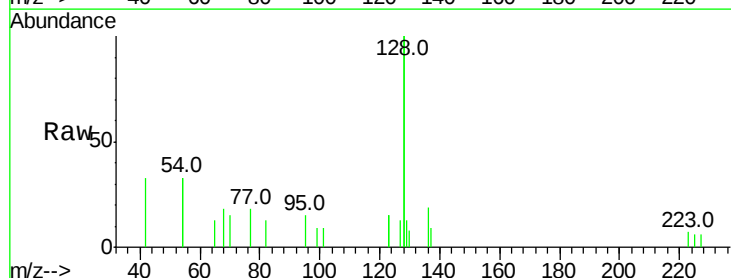
Tgt Ion: 128 Resp: 2272

Ion Ratio Lower Upper

128 100

129 6.5 2.6 3.8#

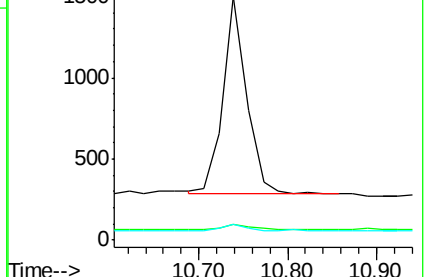
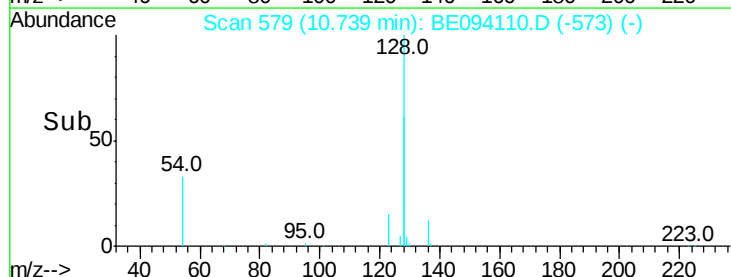
127 6.5 2.8 4.2#

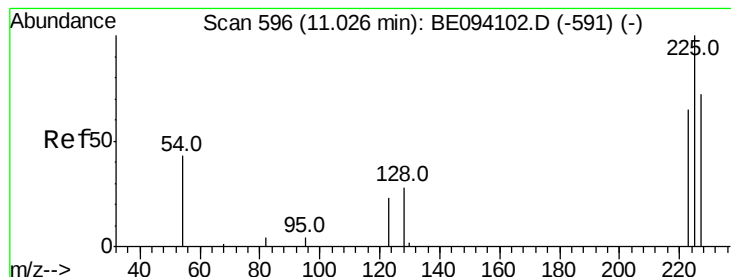


Abundance Ion 128.00 (127.70 to 128.70): BE094110.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE094110.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE094110.D (-573) (-)





#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 11.09 min Scan# 600

Delta R.T. 0.07 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

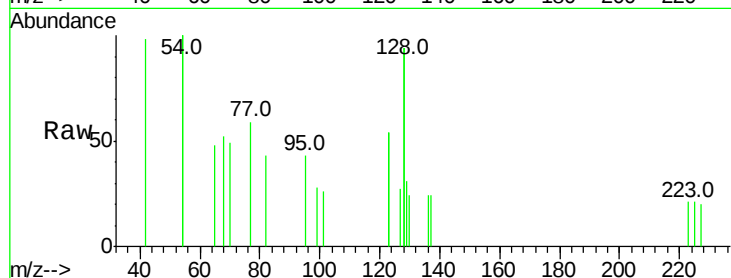
Tot Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

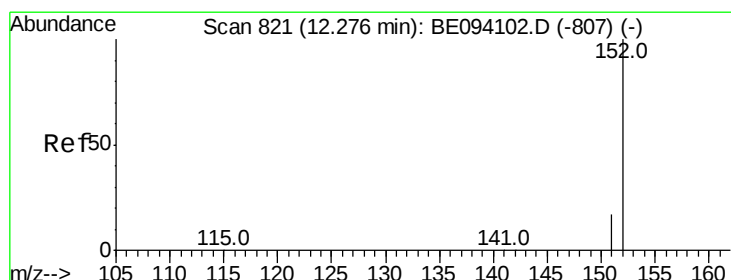
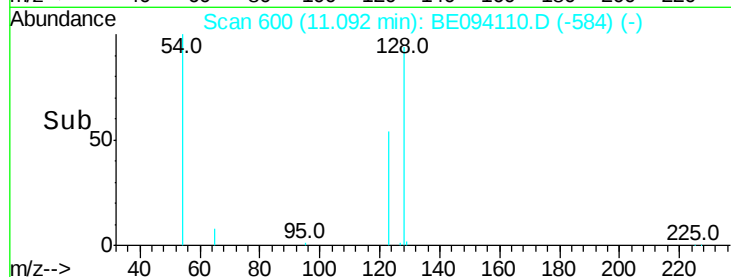
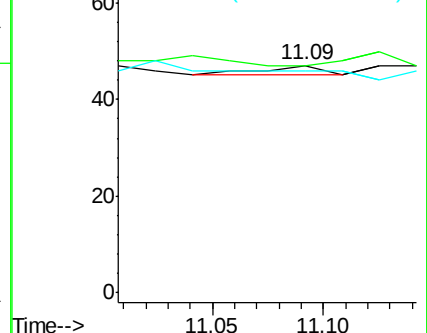
227 0.0 51.4 77.2#



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: 0.196 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094110.D

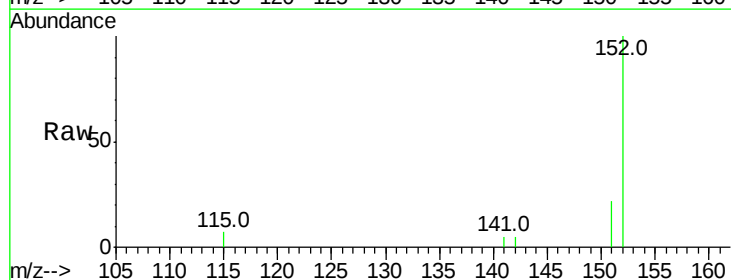
Acq: 25 Sep 2017 19:53

Tgt Ion:152 Resp: 2196

Ion Ratio Lower Upper

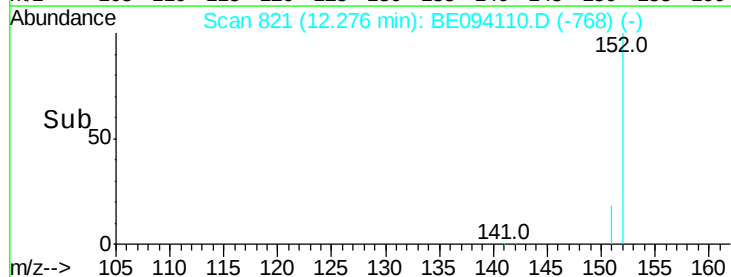
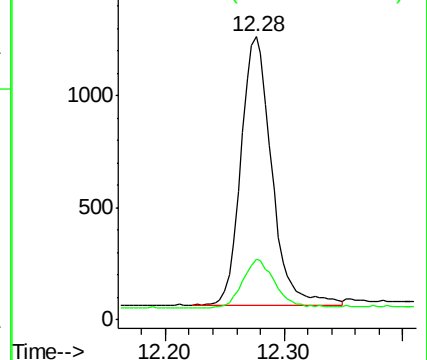
152 100

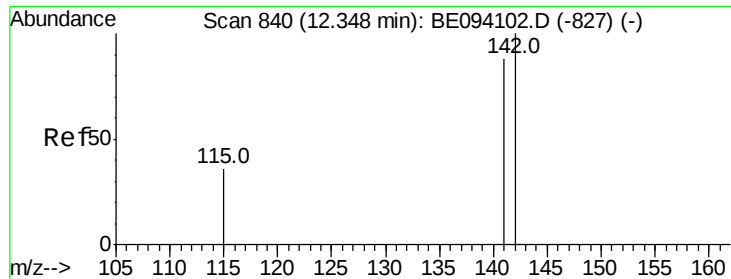
151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

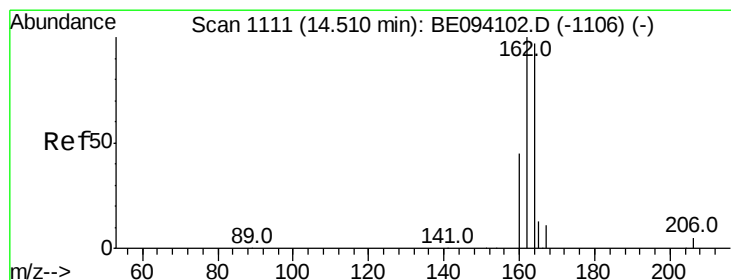
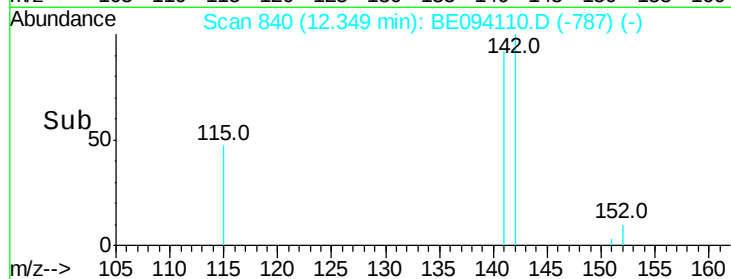
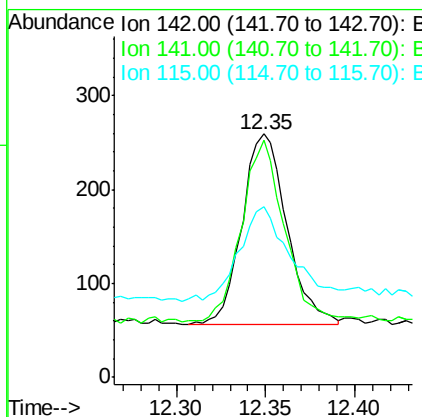
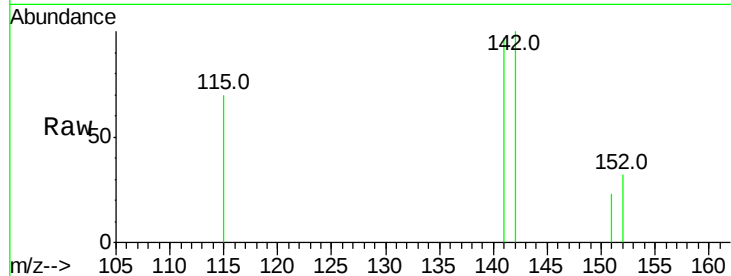




#12  
2-Methylnaphthalene  
Concen: 0.027 ng  
RT: 12.35 min Scan# 840  
Delta R.T. 0.00 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

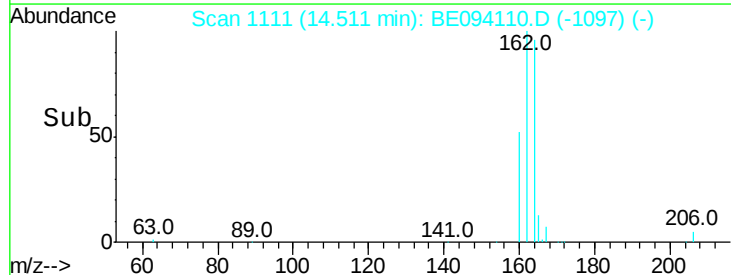
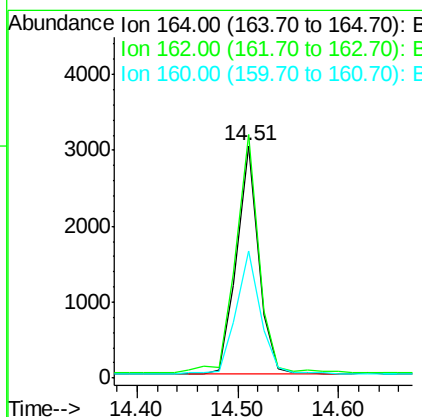
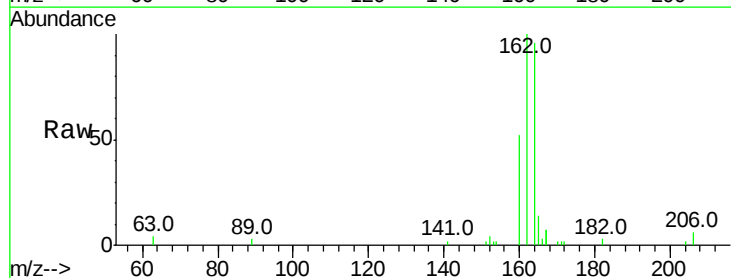
Instrument :  
BNA\_E  
ClientSampleId :

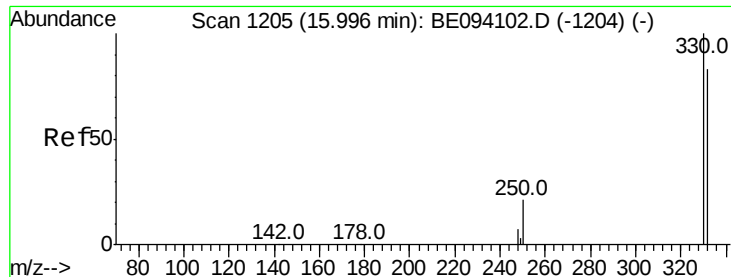
Tot Ion:142 Resp: 356  
Ion Ratio Lower Upper  
142 100  
141 97.3 70.4 105.6  
115 69.9 31.7 47.5#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

Tgt Ion:164 Resp: 4525  
Ion Ratio Lower Upper  
164 100  
162 104.6 83.1 124.7  
160 54.6 37.1 55.7

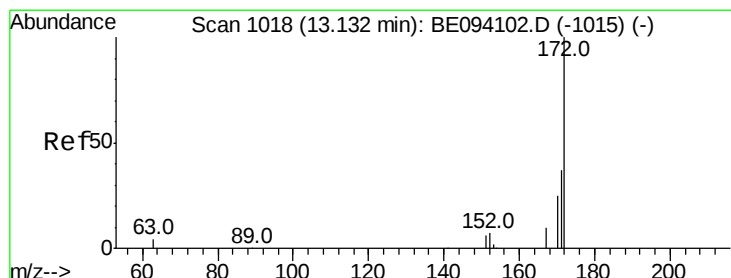
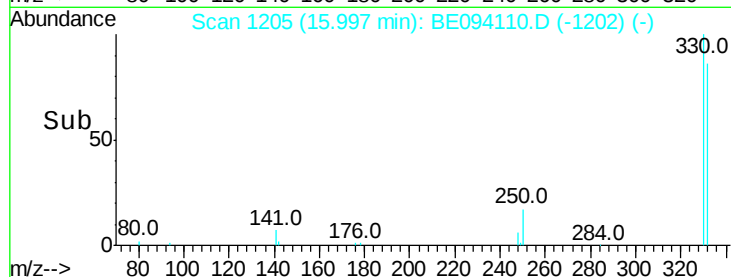
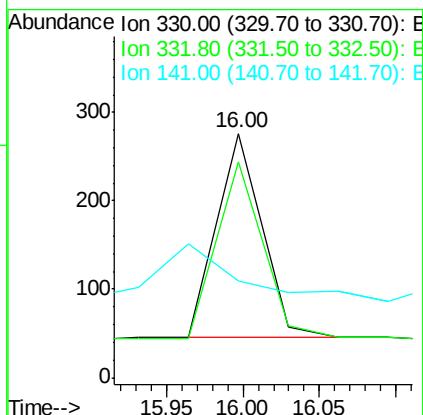
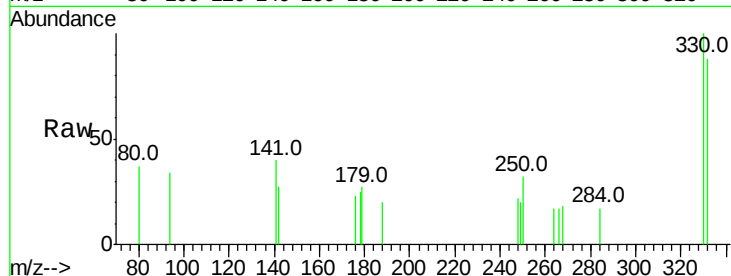




#14  
 2,4,6-Tribromophenol  
 Concen: 0.161 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

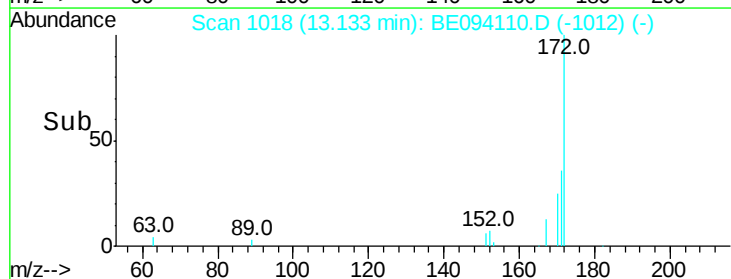
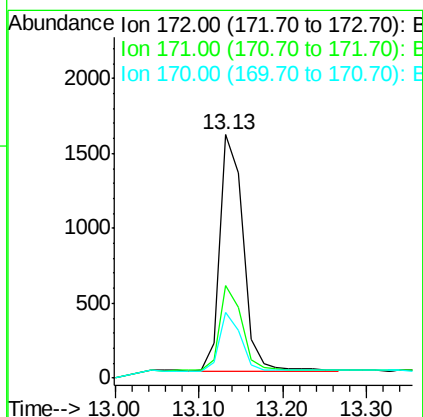
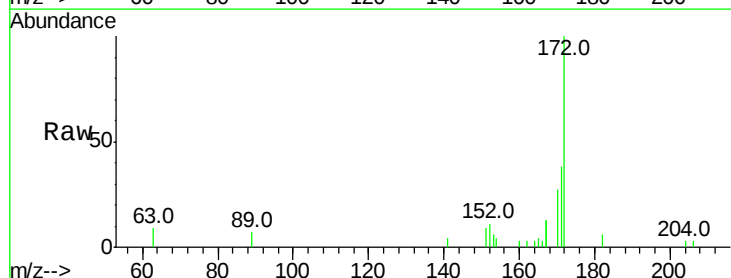
Instrument :  
 BNA\_E  
 ClientSampleId :

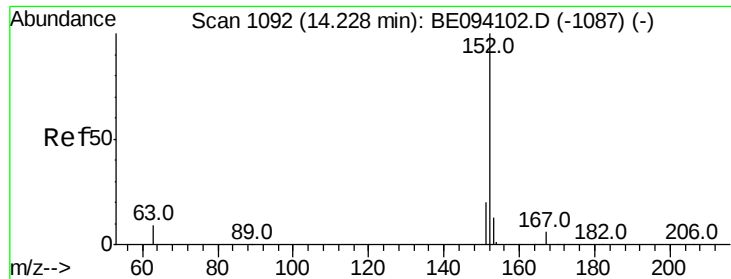
Tot Ion:330 Resp: 477  
 Ion Ratio Lower Upper  
 330 100  
 332 88.5 152.7 229.1#  
 141 0.0 33.7 50.5#



#15  
 2-Fluorobiphenyl  
 Concen: 0.203 ng  
 RT: 13.13 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

Tgt Ion:172 Resp: 3036  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 29.9 44.9  
 170 27.1 21.8 32.8





#16

Acenaphthylene

Concen: 0.204 ng

RT: 14.23 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

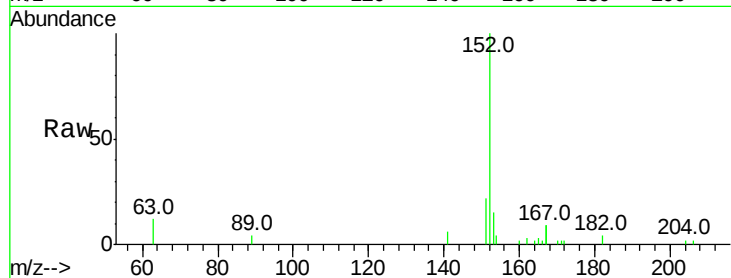
Tot Ion:152 Resp: 4625

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

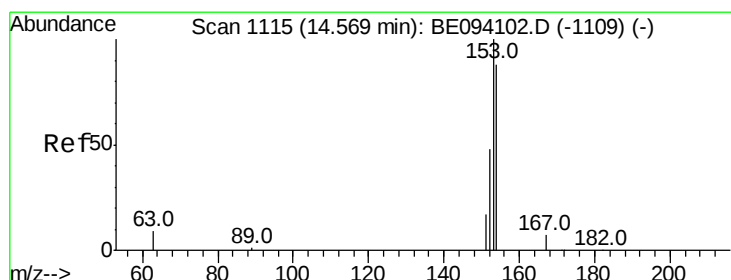
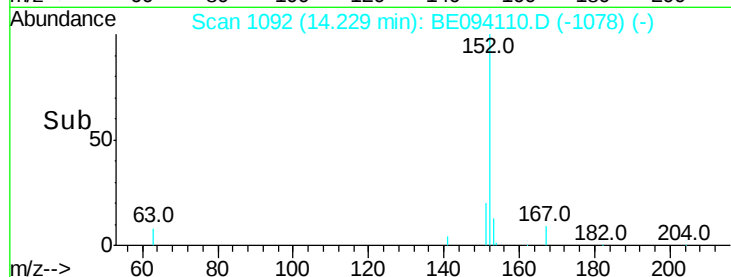
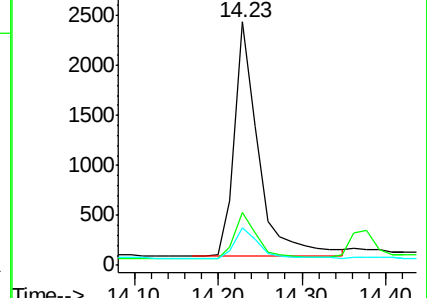
153 14.0 10.5 15.7



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: 0.036 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

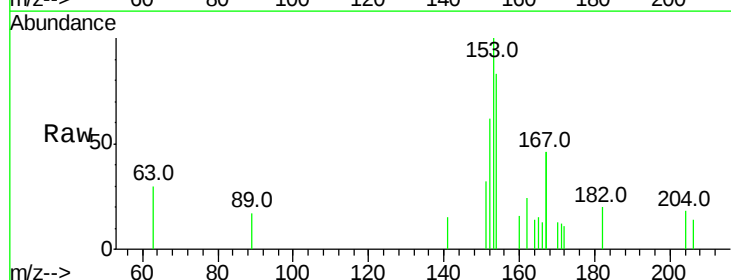
Tgt Ion:154 Resp: 510

Ion Ratio Lower Upper

154 100

153 121.6 89.2 133.8

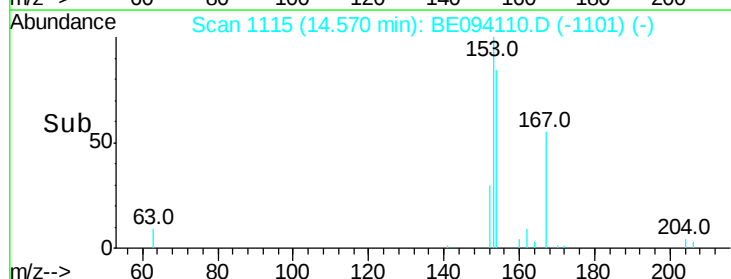
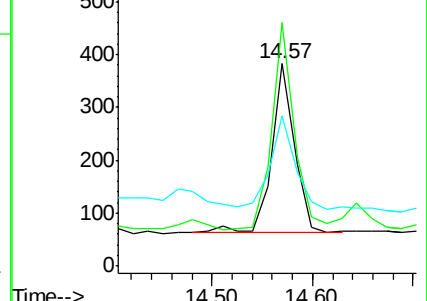
152 67.8 42.0 63.0#

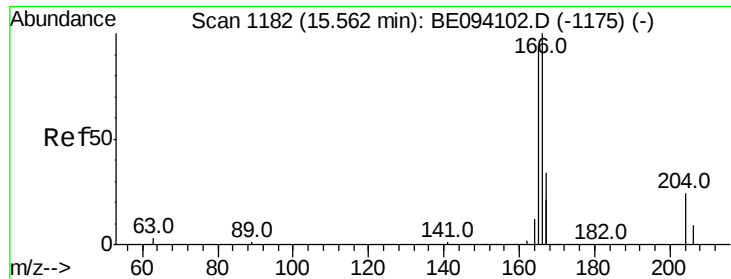


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.068 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

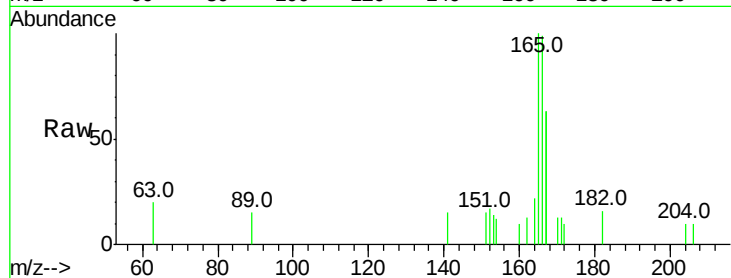
Tot Ion:166 Resp: 1301

Ion Ratio Lower Upper

166 100

165 113.0 77.8 116.6

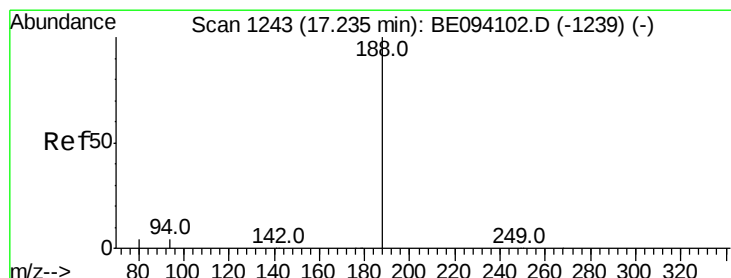
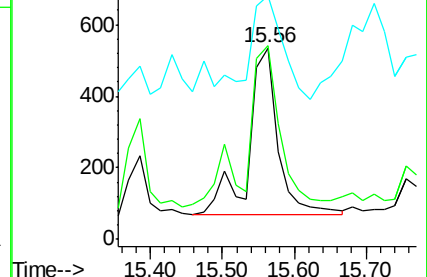
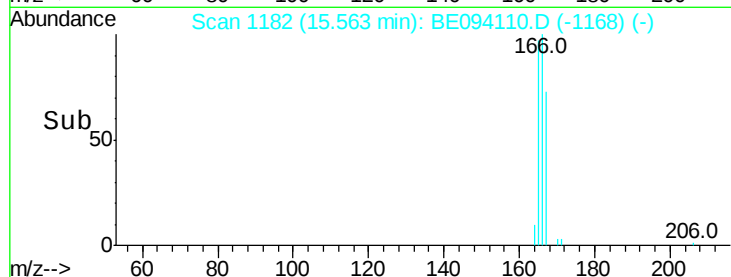
167 63.8 42.4 63.6#



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: BE094110.D

Acq: 25 Sep 2017 19:53

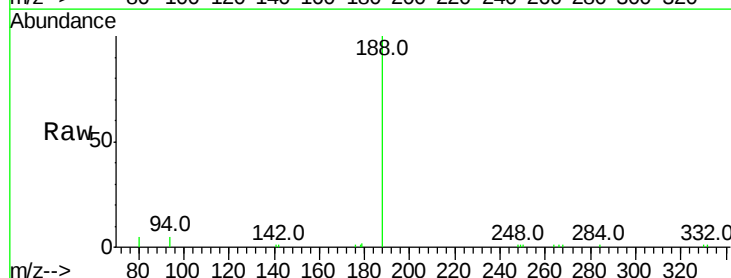
Tgt Ion:188 Resp: 16826

Ion Ratio Lower Upper

188 100

94 4.9 3.9 5.9

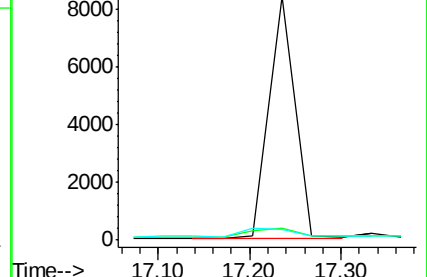
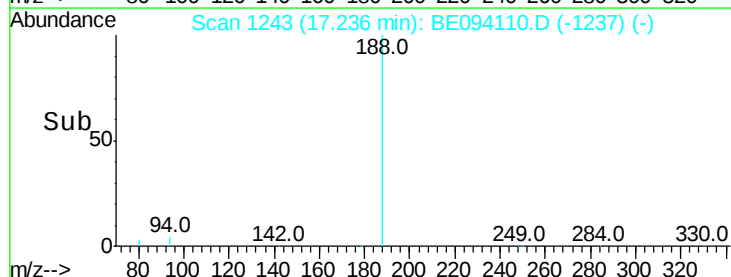
80 4.5 3.6 5.4

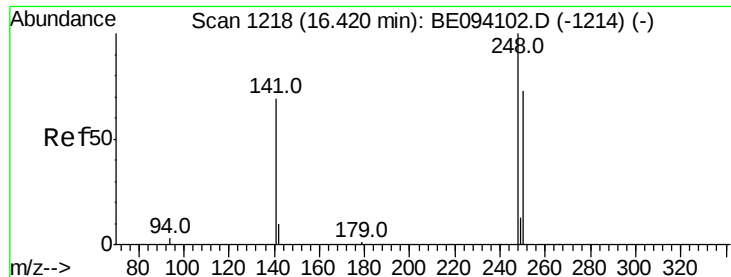


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

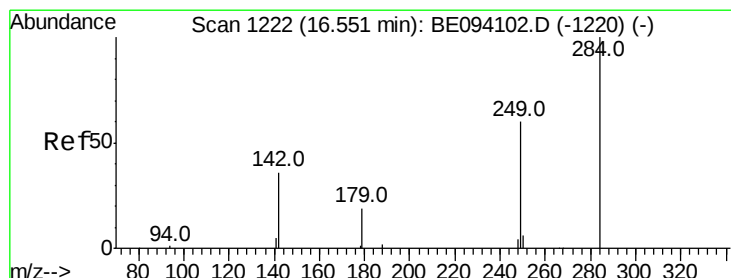
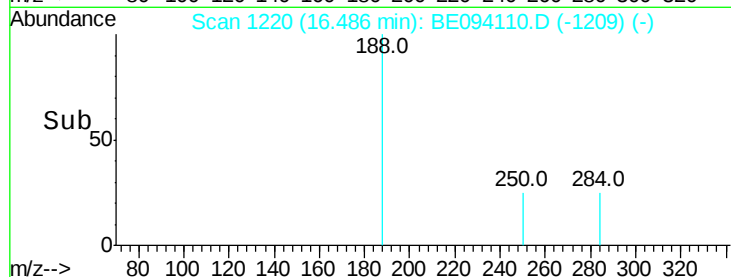
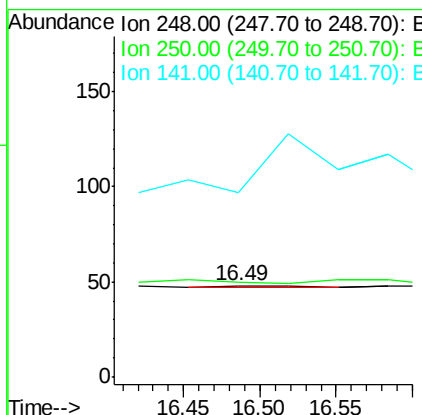
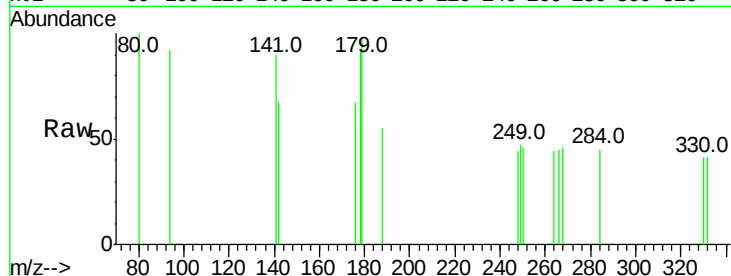




#20  
4-Bromophenyl-phenylether  
Concen: 0.001 ng  
RT: 16.49 min Scan# 1220  
Delta R.T. 0.07 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

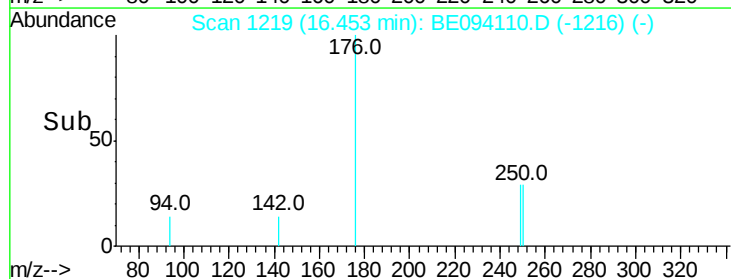
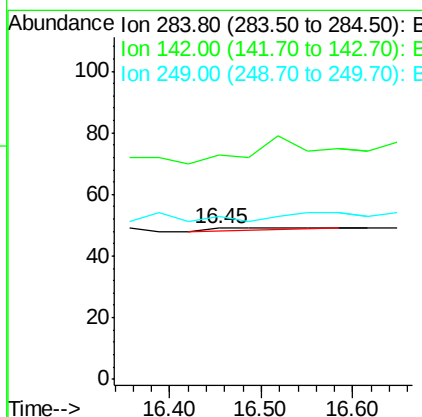
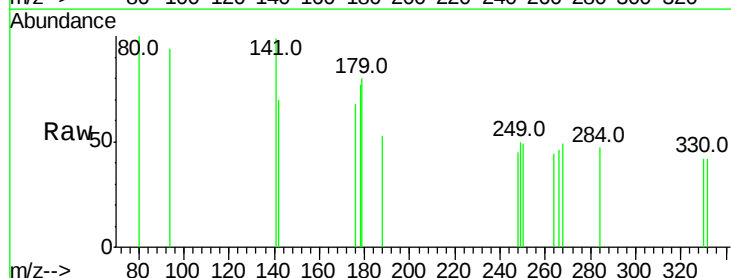
Instrument :  
BNA\_E  
ClientSampleId :

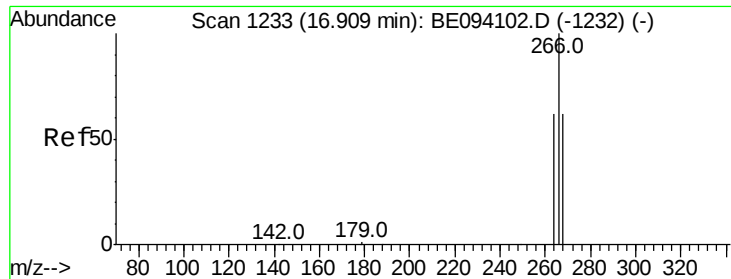
Tot Ion:248 Resp: 4  
Ion Ratio Lower Upper  
248 100  
250 104.2 62.7 94.1#  
141 202.1 48.2 72.2#



#21  
Hexachlorobenzene  
Concen: 0.001 ng  
RT: 16.45 min Scan# 1219  
Delta R.T. -0.10 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

Tgt Ion:284 Resp: 6  
Ion Ratio Lower Upper  
284 100  
142 0.0 22.1 33.1#  
249 0.0 34.8 52.2#

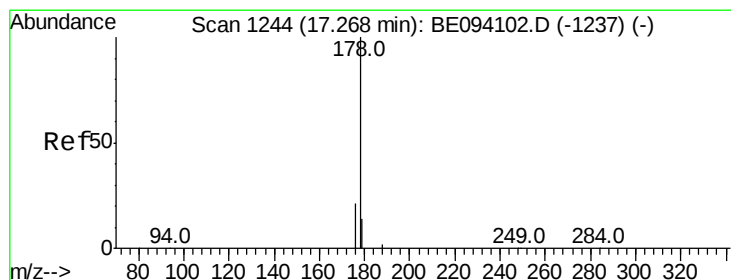
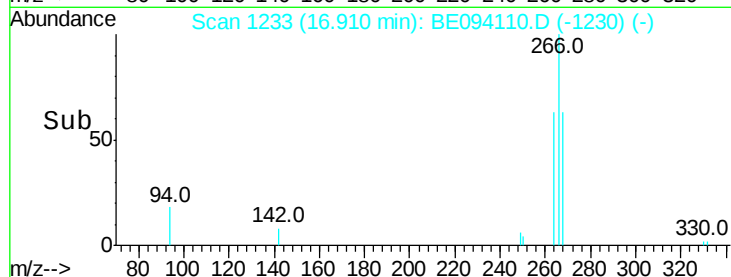
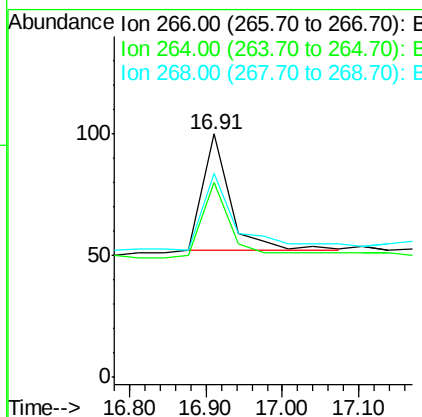
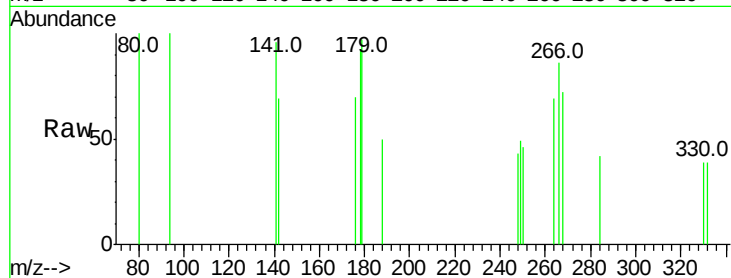




#22  
 Pentachlorophenol  
 Concen: 0.031 ng  
 RT: 16.91 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

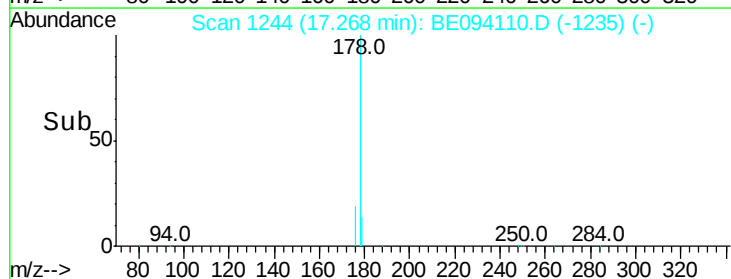
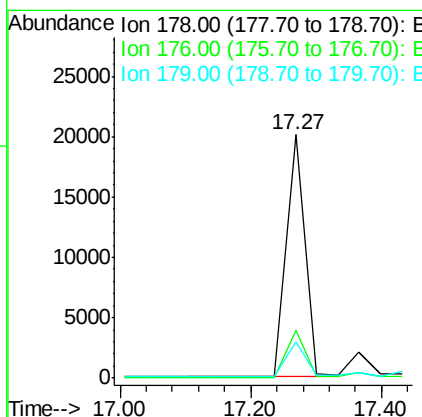
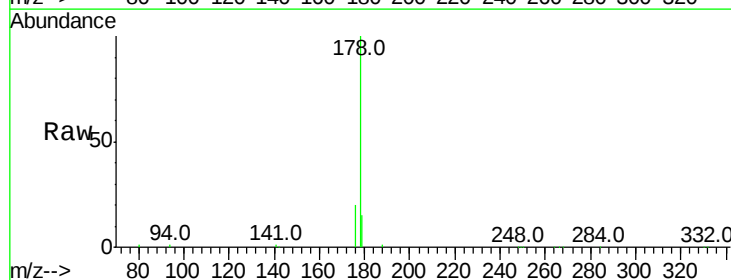
Instrument :  
 BNA\_E  
 ClientSampled :

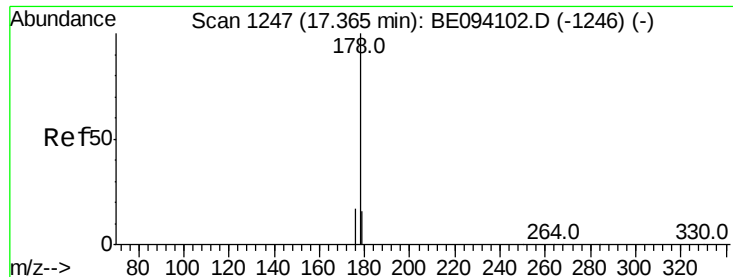
Tot Ion:266 Resp: 123  
 Ion Ratio Lower Upper  
 266 100  
 264 80.0 72.5 108.7  
 268 84.0 73.8 110.6



#23  
 Phenanthrene  
 Concen: 0.933 ng  
 RT: 17.27 min Scan# 1244  
 Delta R.T. 0.00 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

Tgt Ion:178 Resp: 40176  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.1 22.7  
 179 15.5 11.8 17.6





#24

Anthracene

Concen: 0.110 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

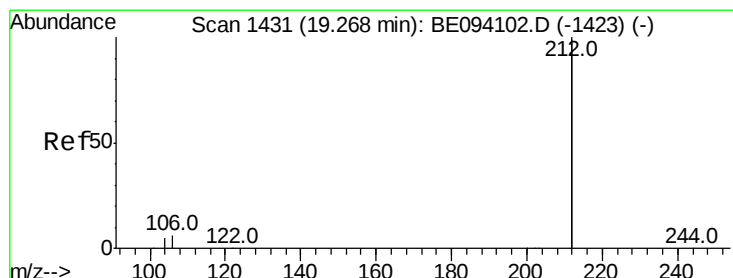
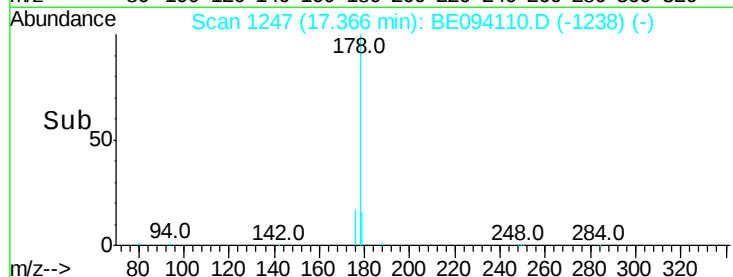
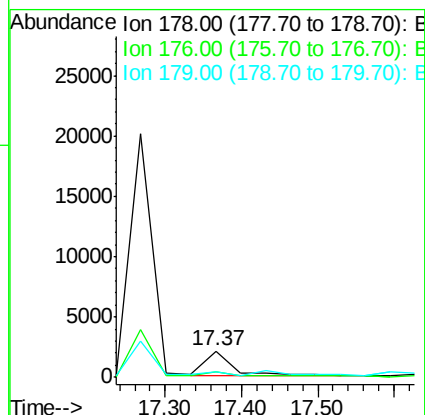
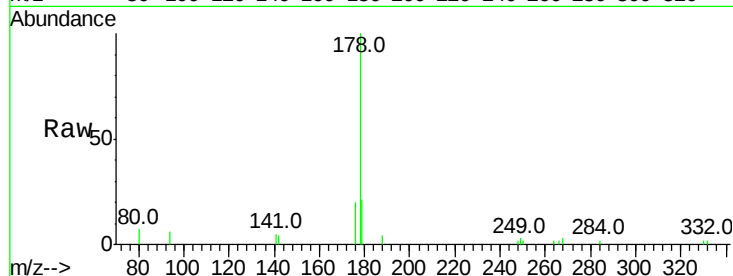
Tot Ion:178 Resp: 4946

Ion Ratio Lower Upper

178 100

176 17.5 12.8 19.2

179 12.5 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.175 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

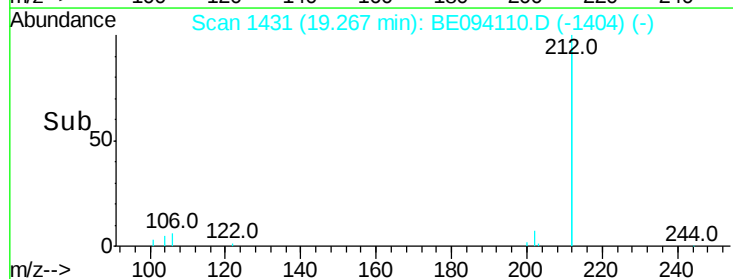
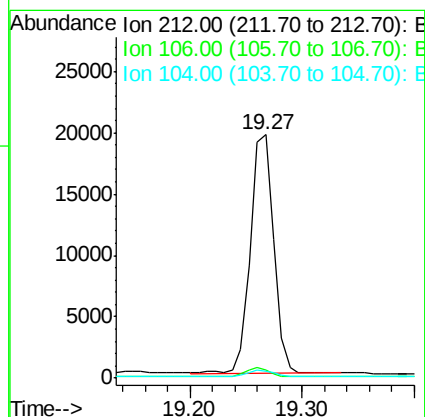
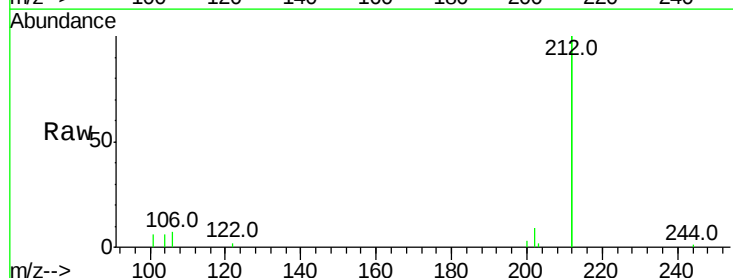
Tgt Ion:212 Resp: 28528

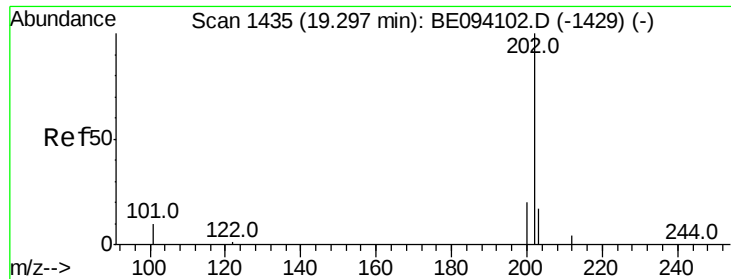
Ion Ratio Lower Upper

212 100

106 3.7 2.8 4.2

104 3.4 1.6 2.4#

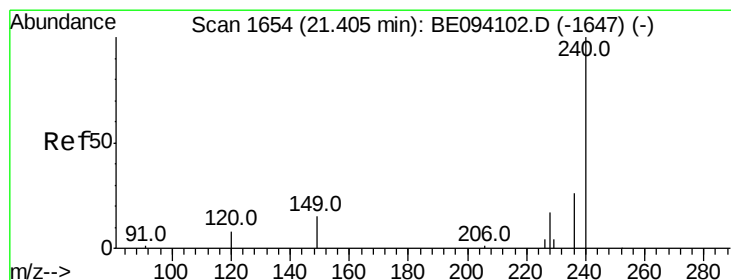
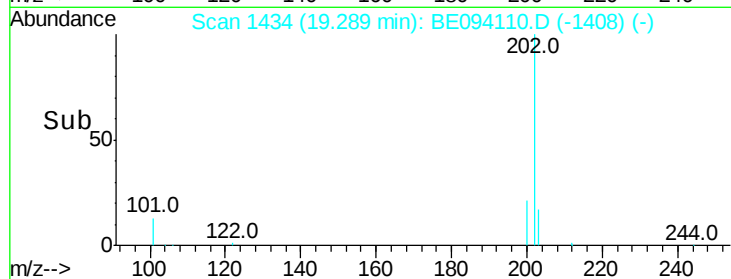
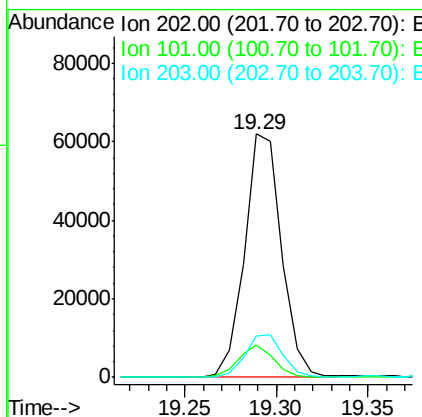
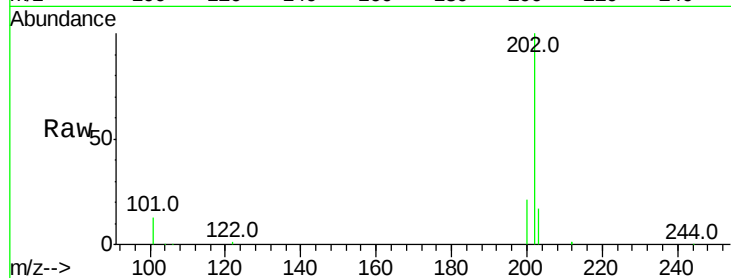




#26  
 Fluoranthene  
 Concen: 1.798 ng  
 RT: 19.29 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

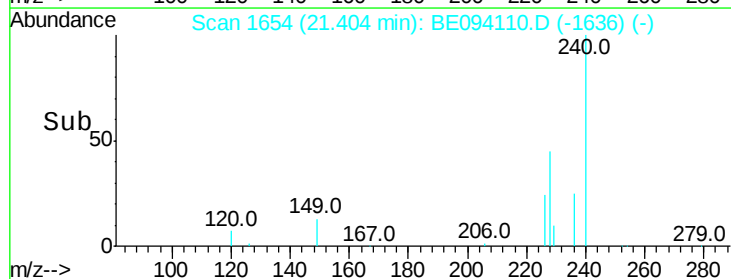
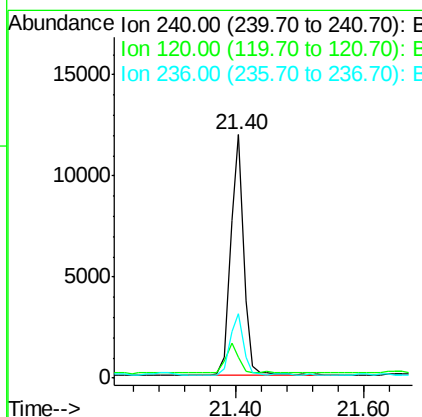
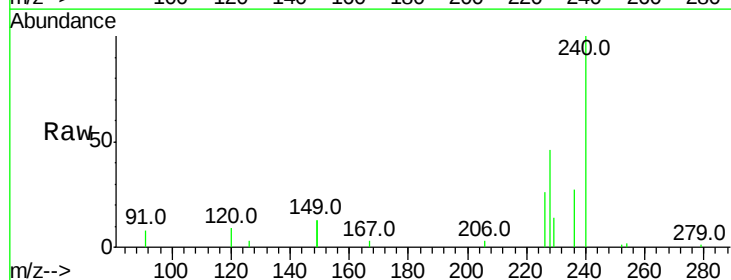
Instrument :  
 BNA\_E  
 ClientSampleId :

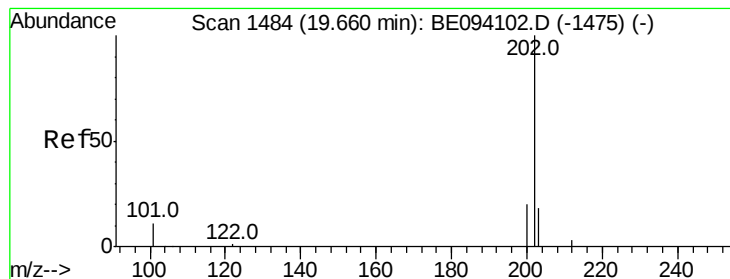
Tot Ion:202 Resp: 86727  
 Ion Ratio Lower Upper  
 202 100  
 101 12.5 9.8 14.8  
 203 17.5 13.7 20.5



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BE094110.D  
 Acq: 25 Sep 2017 19:53

Tgt Ion:240 Resp: 16655  
 Ion Ratio Lower Upper  
 240 100  
 120 8.6 5.5 8.3#  
 236 26.7 20.7 31.1





#28

Pvrene

Concen: 1.637 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

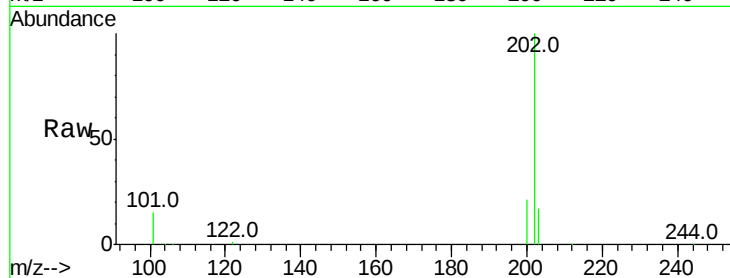
Tot Ion:202 Resp: 86370

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

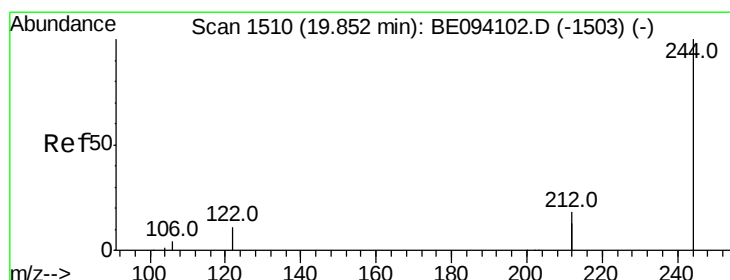
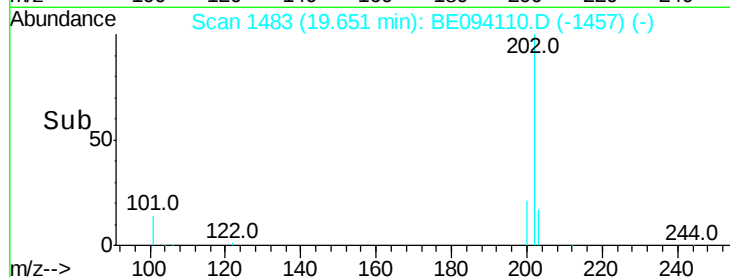
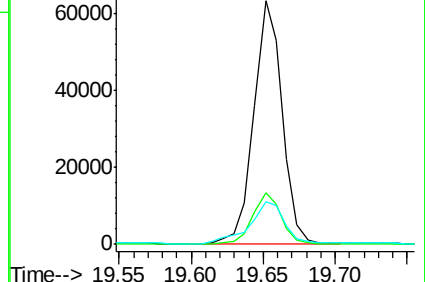
203 20.9 13.8 20.8#



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: 0.137 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

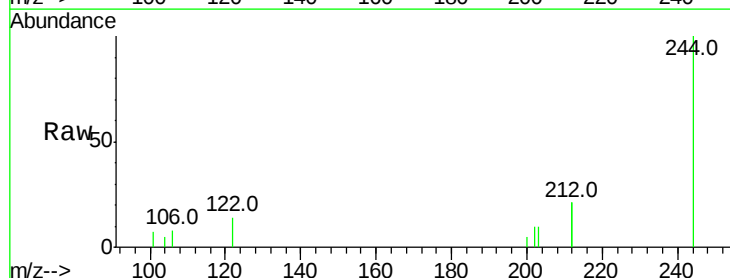
Tgt Ion:244 Resp: 4161

Ion Ratio Lower Upper

244 100

212 42.7 25.4 38.0#

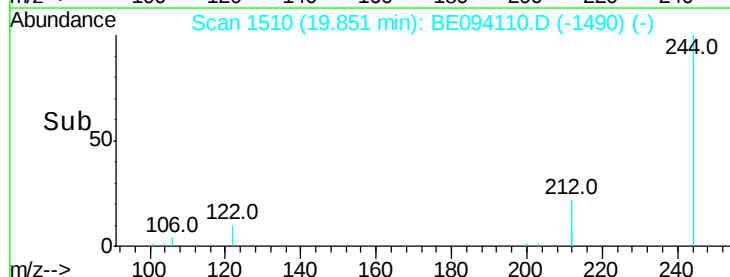
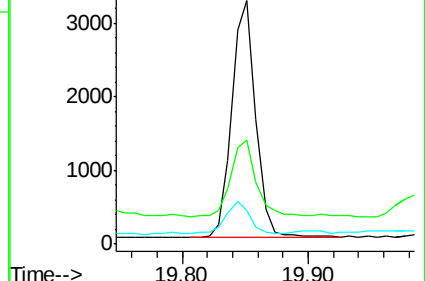
122 13.9 8.1 12.1#

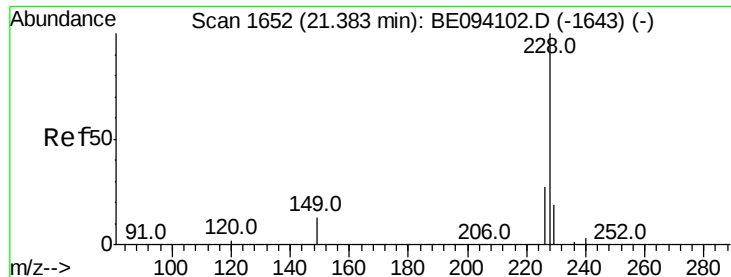


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.746 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

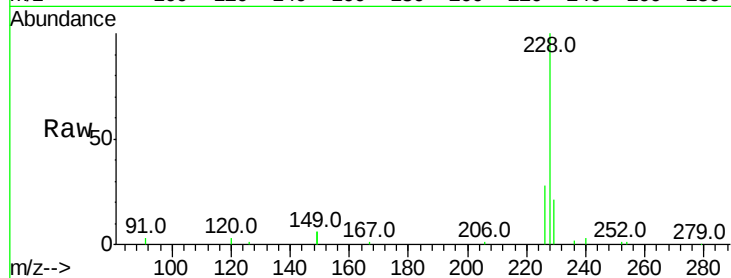
Tot Ion:228 Resp: 41820

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.8  | 21.4  | 32.0  |
| 229 | 21.4  | 16.4  | 24.6  |

228 100

226 27.8 21.4 32.0

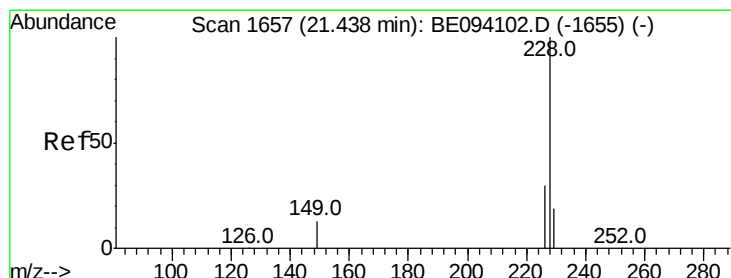
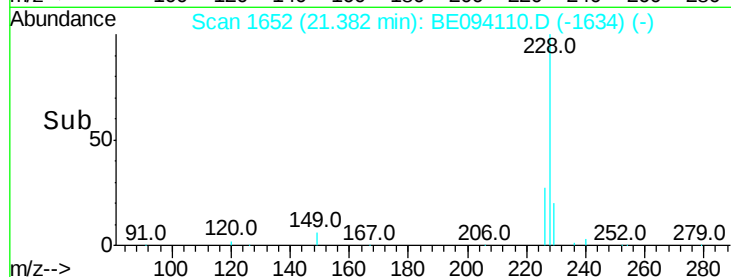
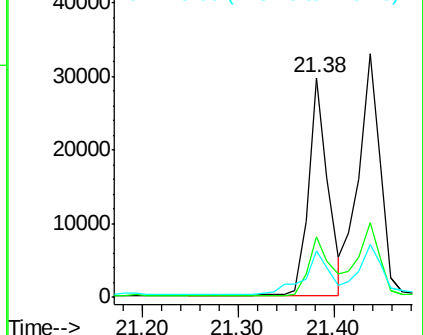
229 21.4 16.4 24.6



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: 0.956 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

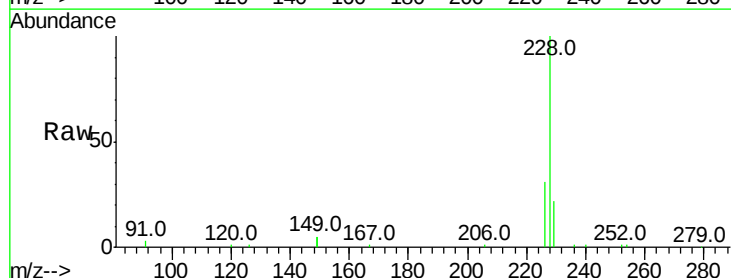
Tgt Ion:228 Resp: 51720

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.5  | 23.6  | 35.4  |
| 229 | 21.7  | 16.4  | 24.6  |

228 100

226 30.5 23.6 35.4

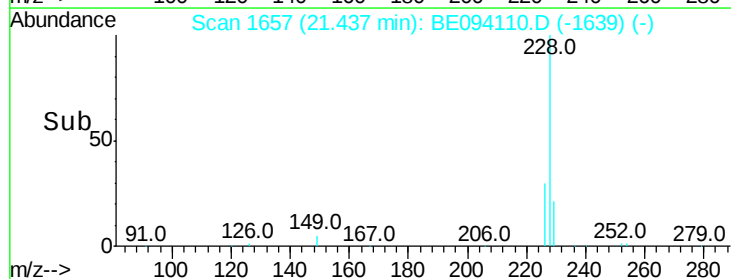
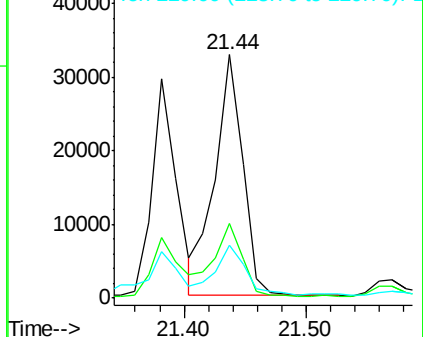
229 21.7 16.4 24.6

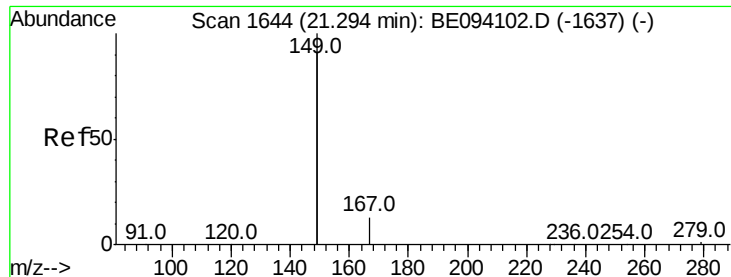


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

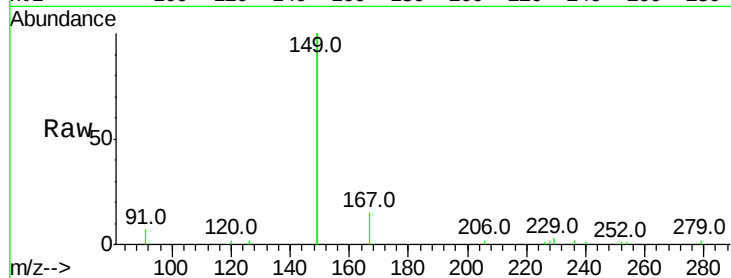
Tot Ion:149 Resp: 32832

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

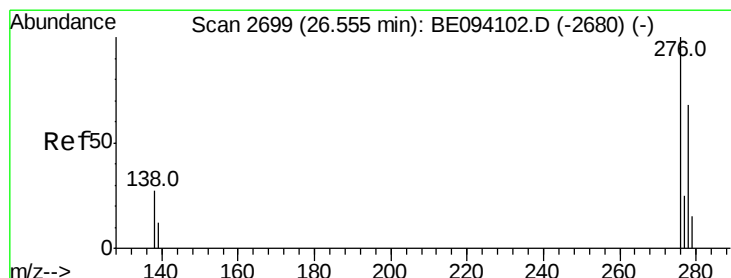
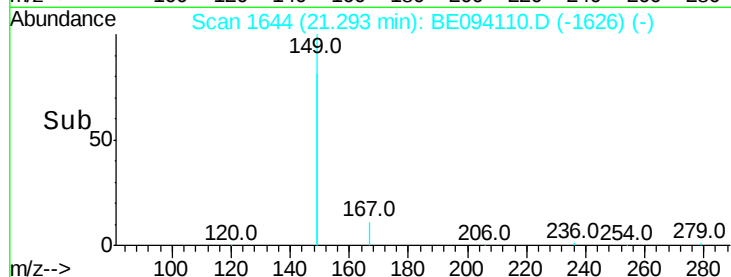
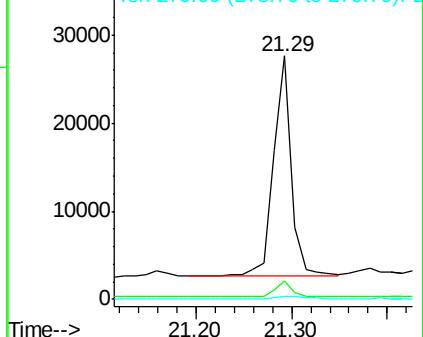
279 0.9 0.7 1.1



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: 0.548 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

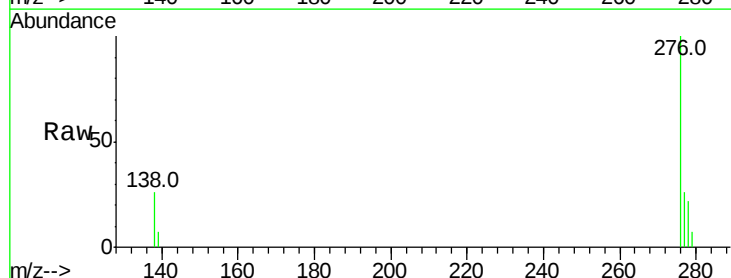
Tgt Ion:276 Resp: 31750

Ion Ratio Lower Upper

276 100

138 24.2 22.5 33.7

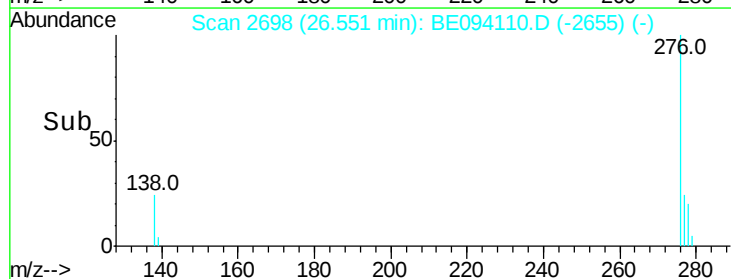
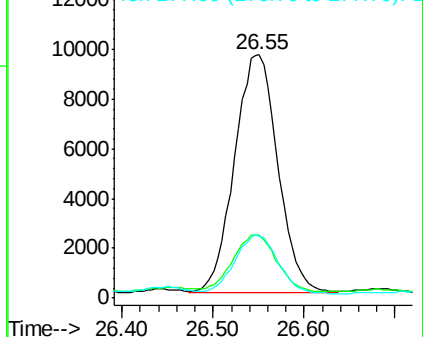
277 24.5 19.9 29.9

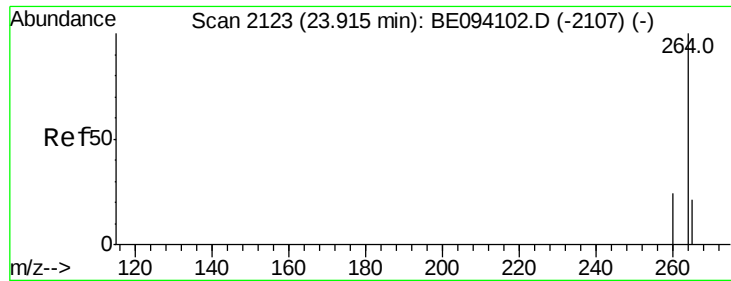


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

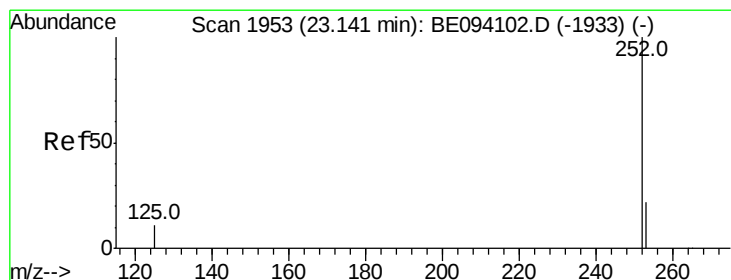
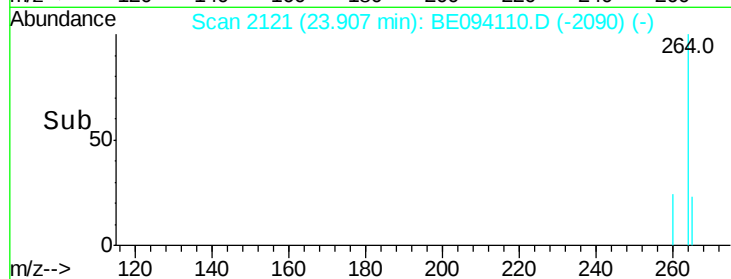
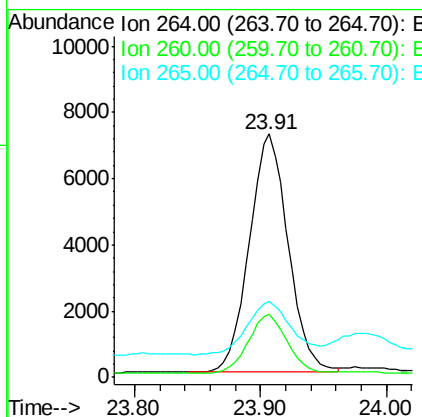
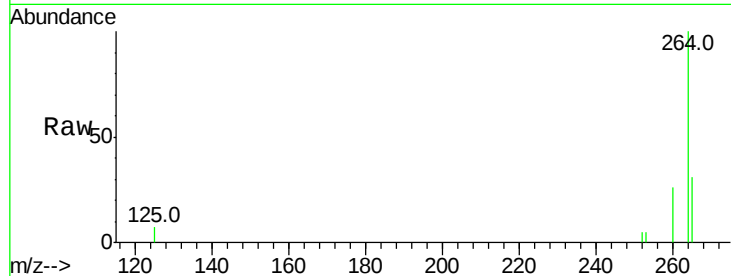




#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.91 min Scan# 2121  
Delta R.T. -0.01 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

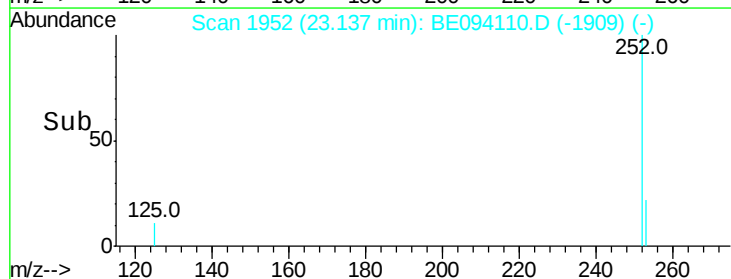
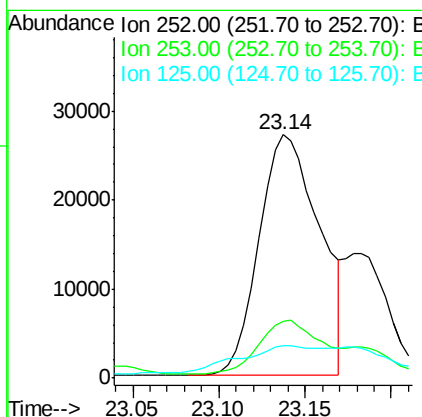
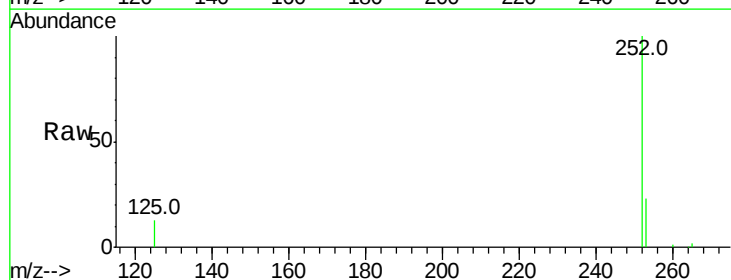
Instrument :  
BNA\_E  
ClientSampleId :

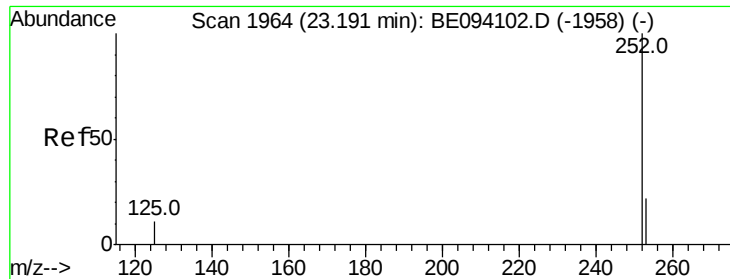
Tot Ion:264 Resp: 15570  
Ion Ratio Lower Upper  
264 100  
260 25.7 20.5 30.7  
265 31.0 22.8 34.2



#35  
Benzo(b)fluoranthene  
Concen: 1.177 ng  
RT: 23.14 min Scan# 1952  
Delta R.T. -0.00 min  
Lab File: BE094110.D  
Acq: 25 Sep 2017 19:53

Tgt Ion:252 Resp: 66125  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.2 27.2  
125 13.4 10.1 15.1





#36

Benzo(k)fluoranthene

Concen: 1.229 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.05 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

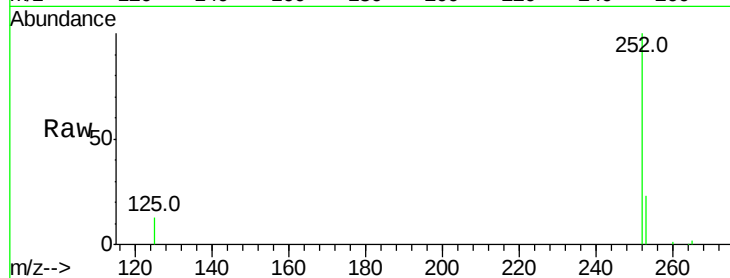
Tot Ion:252 Resp: 66125

Ion Ratio Lower Upper

252 100

253 23.4 18.6 27.8

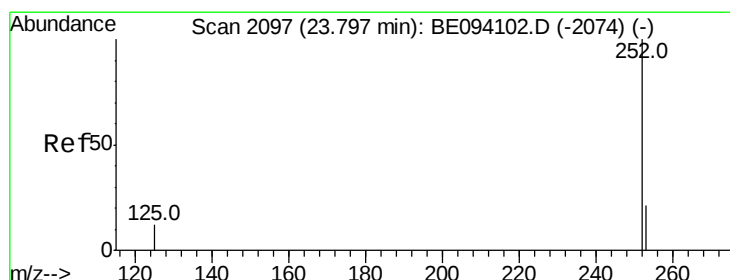
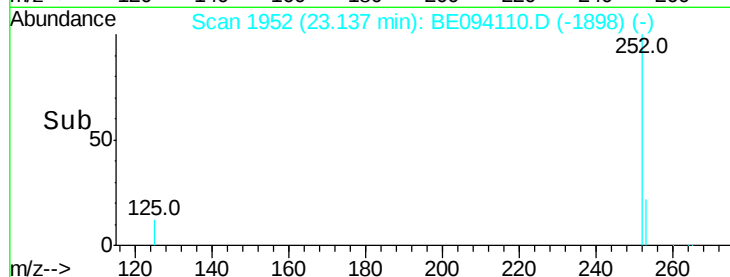
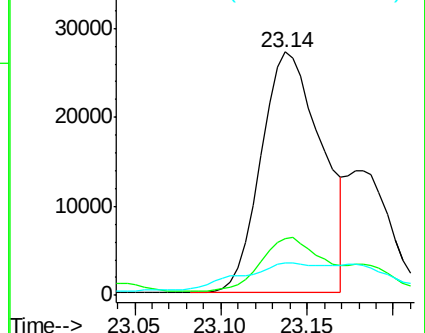
125 13.4 10.7 16.1



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: 0.889 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

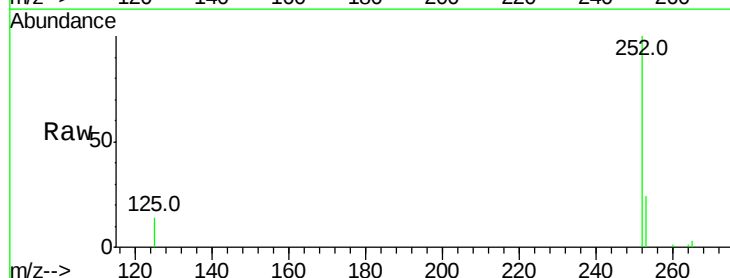
Tgt Ion:252 Resp: 45104

Ion Ratio Lower Upper

252 100

253 23.7 19.0 28.6

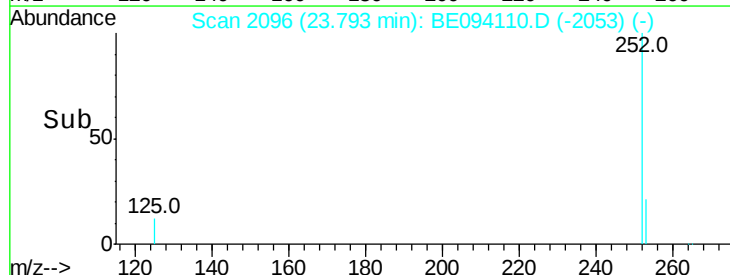
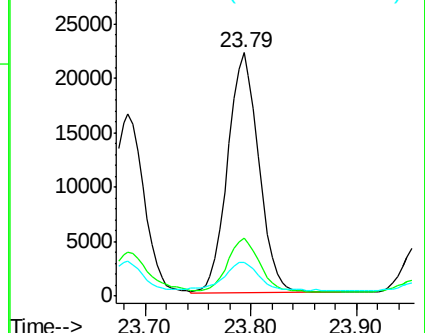
125 14.0 11.8 17.8

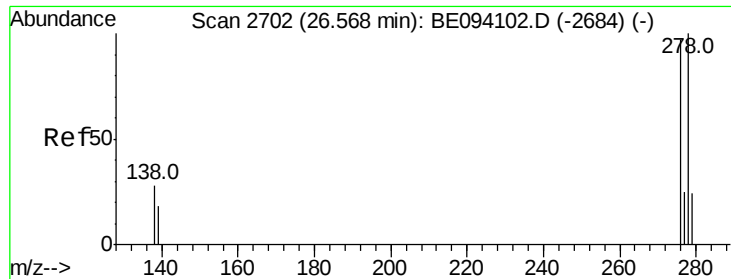


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.162 ng

RT: 26.56 min Scan# 2699

Delta R.T. -0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA\_E

ClientSampleId :

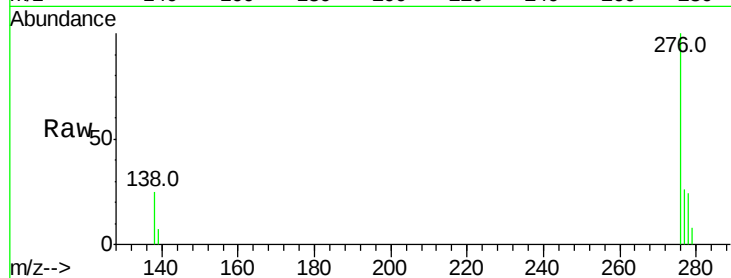
Tot Ion:278 Resp: 7796

Ion Ratio Lower Upper

278 100

139 28.4 16.3 24.5#

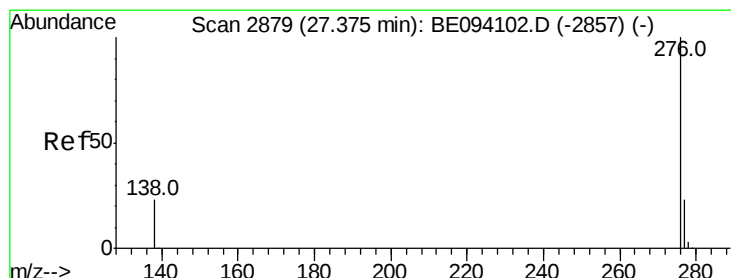
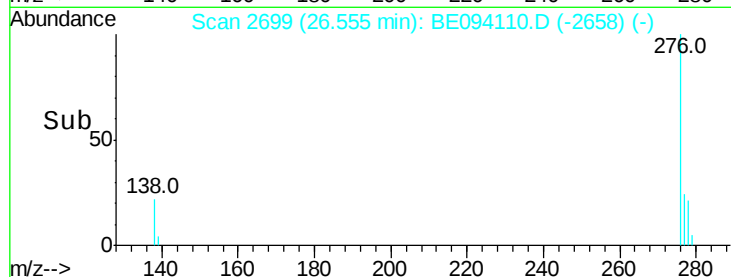
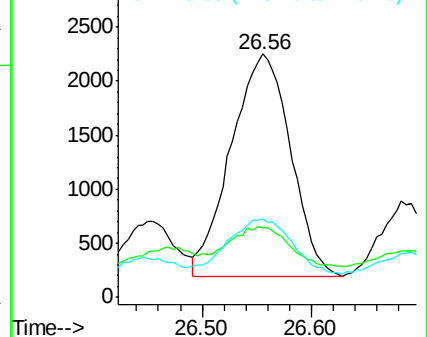
279 32.1 19.9 29.9#



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(g,h,i)perylene

Concen: 0.682 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

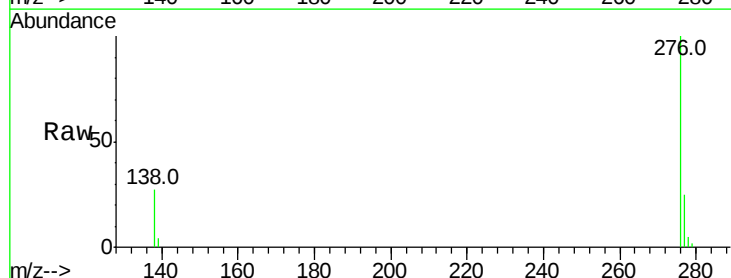
Tgt Ion:276 Resp: 32430

Ion Ratio Lower Upper

276 100

277 24.9 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

