

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101217\  
 Data File : BE094311.D  
 Acq On : 12 Oct 2017 12:02  
 Operator : SJ/JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 12 22:45:46 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 15:16:13 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 1769     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.71 | 136  | 8638     | 0.40 | ng    | 0.02     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 4539     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 7027     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12          | 21.43 | 240  | 10221    | 0.40 | ng    | 0.02     |
| 34) Perylene-d12          | 23.96 | 264  | 9833     | 0.40 | ng    | 0.05     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.53  | 112 | 2473  | 0.42 | ng | 0.03 |
| 5) Phenol-d6                | 7.11  | 99  | 3629  | 0.42 | ng | 0.03 |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 2995  | 0.42 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152 | 5173  | 0.39 | ng | 0.02 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 751   | 0.38 | ng | 0.03 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 6566  | 0.42 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.29 | 212 | 47635 | 0.68 | ng | 0.02 |
| 29) Terphenyl-d14           | 19.87 | 244 | 8081  | 0.42 | ng | 0.01 |

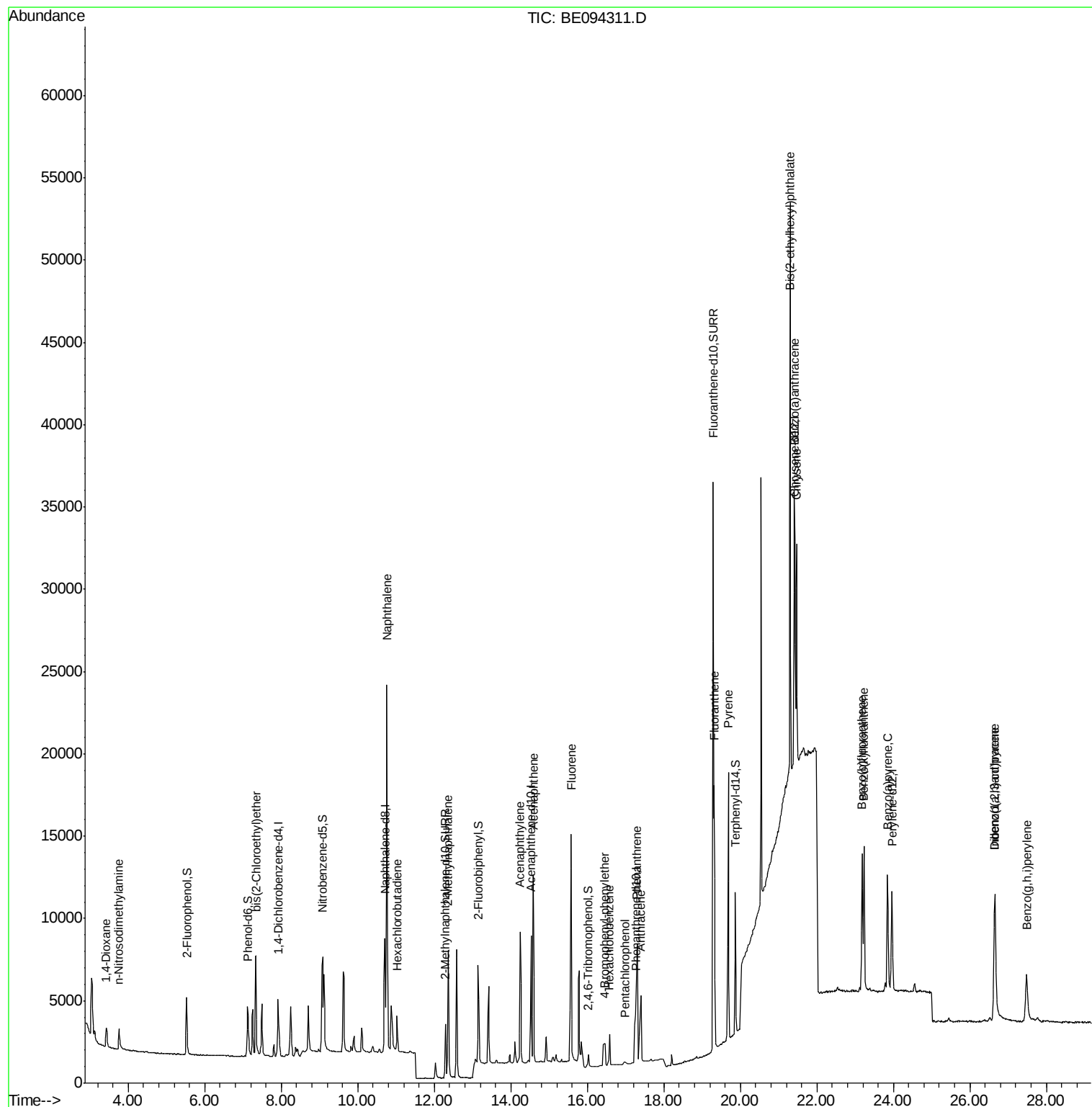
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.42  | 88  | 1066  | 0.333  | ng | # 85  |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 1172  | 0.341  | ng | # 94  |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 2763  | 0.398  | ng | 93    |
| 9) Naphthalene                 | 10.76 | 128 | 38854 | 0.399  | ng | 99    |
| 10) Hexachlorobutadiene        | 11.02 | 225 | 1535  | 0.416  | ng | 99    |
| 12) 2-Methylnaphthalene        | 12.36 | 142 | 6186  | 0.387  | ng | 98    |
| 16) Acenaphthylene             | 14.24 | 152 | 9690  | 0.422  | ng | 100   |
| 17) Acenaphthene               | 14.58 | 154 | 6031  | 0.397  | ng | 99    |
| 18) Fluorene                   | 15.58 | 166 | 7530  | 0.379  | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 1355  | 0.335  | ng | # 35  |
| 21) Hexachlorobenzene          | 16.58 | 284 | 2652  | 0.729  | ng | # 62  |
| 22) Pentachlorophenol          | 16.97 | 266 | 256   | 0.260  | ng | 90    |
| 23) Phenanthrene               | 17.30 | 178 | 13589 | 0.558  | ng | # 90  |
| 24) Anthracene                 | 17.40 | 178 | 6237  | 0.336  | ng | # 77  |
| 26) Fluoranthene               | 19.32 | 202 | 14230 | 0.666  | ng | 99    |
| 28) Pyrene                     | 19.68 | 202 | 15000 | 0.427  | ng | 98    |
| 30) Benzo(a)anthracene         | 21.41 | 228 | 13591 | 0.405  | ng | # 87  |
| 31) Chrysene                   | 21.47 | 228 | 13649 | 0.412  | ng | # 87  |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 42819 | 0.554  | ng | # 100 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.65 | 276 | 11015 | 0.335  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 23.18 | 252 | 12749 | 0.385  | ng | # 66  |
| 36) Benzo(k)fluoranthene       | 23.23 | 252 | 13150 | 0.391  | ng | # 69  |
| 37) Benzo(a)pyrene             | 23.85 | 252 | 12195 | 0.390  | ng | # 61  |
| 38) Dibenzo(a,h)anthracene     | 26.66 | 278 | 9973  | 0.344  | ng | # 60  |
| 39) Benzo(g,h,i)perylene       | 27.48 | 276 | 8226  | 0.278  | ng | # 69  |

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101217\  
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Acq On : 12 Oct 2017 12:02  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :

Quant Time: Oct 12 22:45:46 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M  
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QLast Update : Fri Oct 06 15:16:13 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampled :

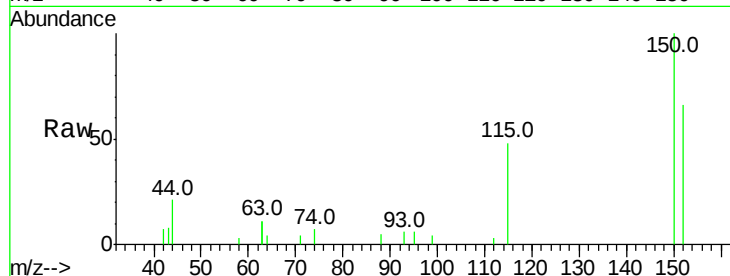
Tot Ion:152 Resp: 1769

Ion Ratio Lower Upper

152 100

150 151.7 117.2 175.8

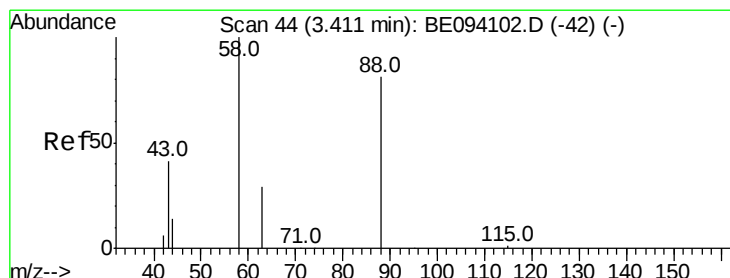
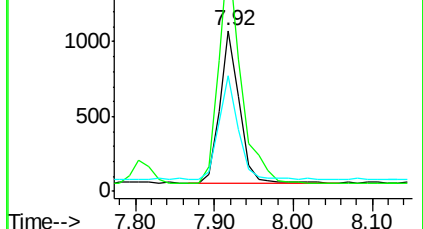
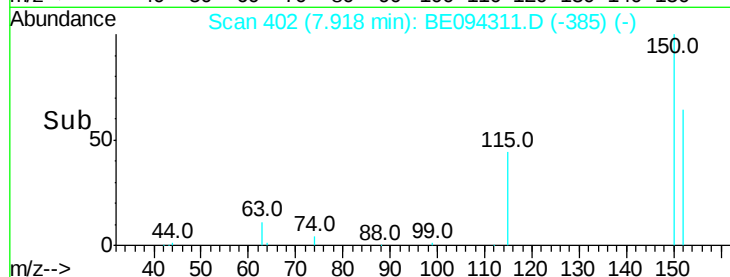
115 72.2 57.0 85.6



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: 0.333 ng

RT: 3.42 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

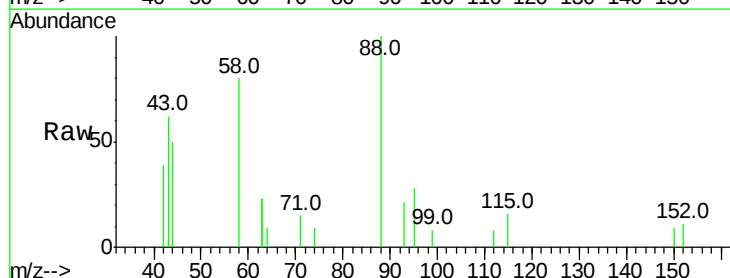
Tgt Ion: 88 Resp: 1066

Ion Ratio Lower Upper

88 100

58 82.7 63.2 94.8

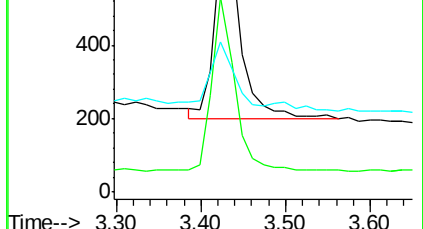
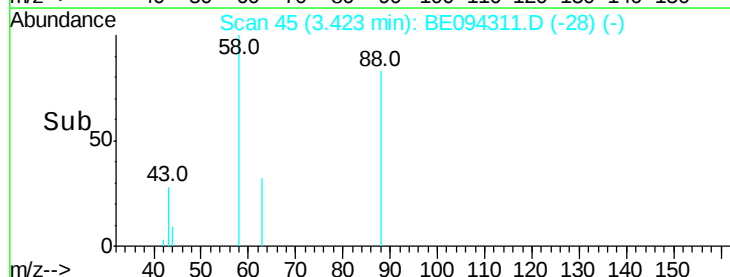
43 28.9 41.2 61.8#



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



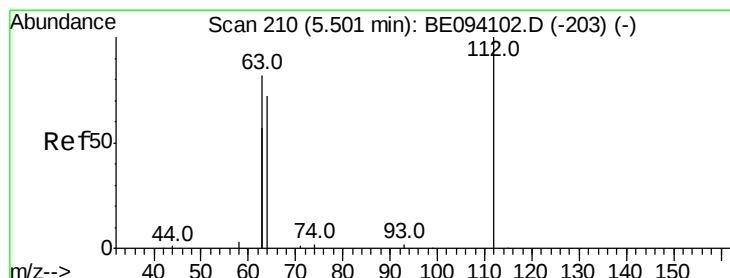
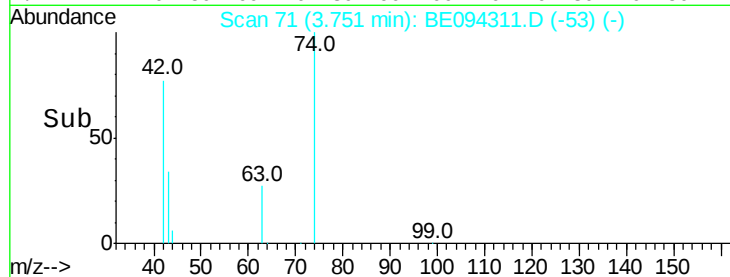
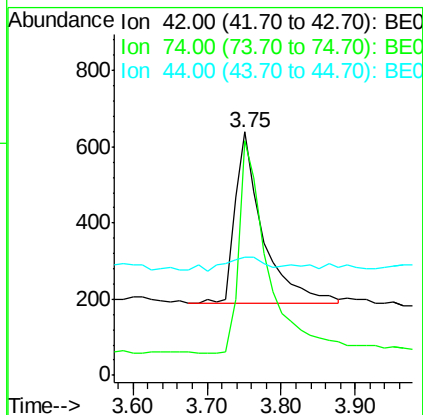
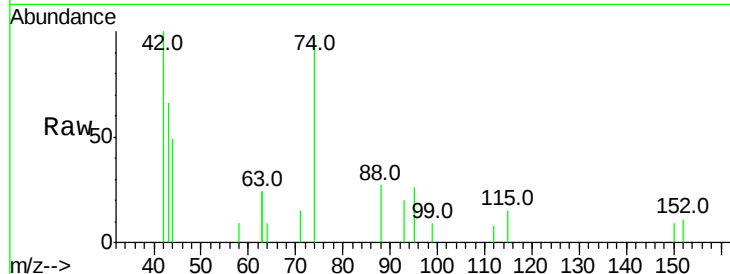


#3

n-Nitrosodimethylamine  
 Concen: 0.341 ng  
 RT: 3.75 min Scan# 71  
 Delta R.T. 0.03 min  
 Lab File: BE094311.D  
 Acq: 12 Oct 2017 12:02

Instrument :  
 BNA\_E  
 ClientSampleId :

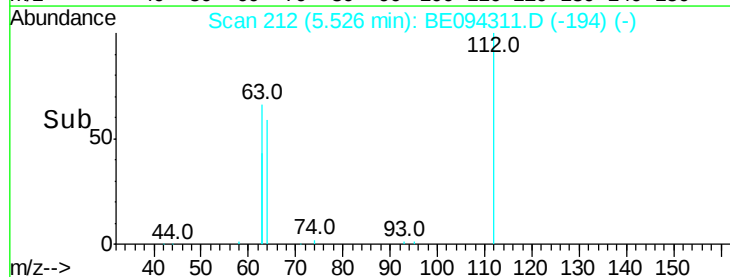
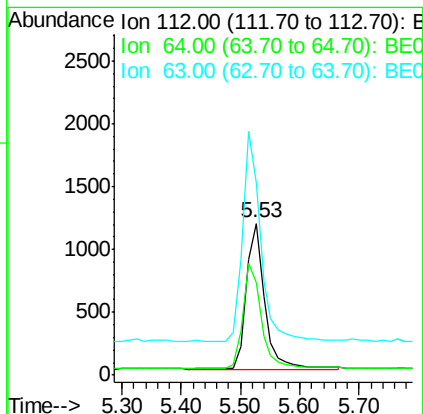
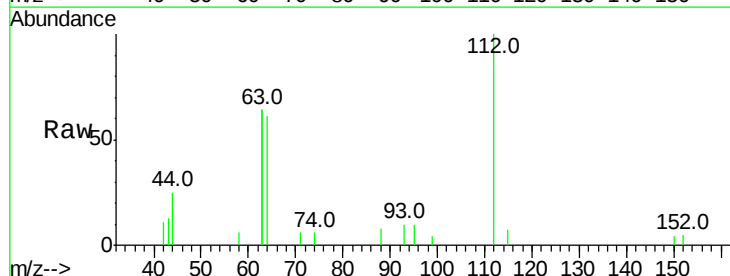
Tot Ion: 42 Resp: 1172  
 Ion Ratio Lower Upper  
 42 100  
 74 129.4 100.3 150.5  
 44 11.4 17.0 25.4#



#4

2-Fluorophenol  
 Concen: 0.420 ng  
 RT: 5.53 min Scan# 212  
 Delta R.T. 0.03 min  
 Lab File: BE094311.D  
 Acq: 12 Oct 2017 12:02

Tgt Ion: 112 Resp: 2473  
 Ion Ratio Lower Upper  
 112 100  
 64 72.4 60.1 90.1  
 63 142.5 116.8 175.2





#5

Phenol-d6

Concen: 0.425 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

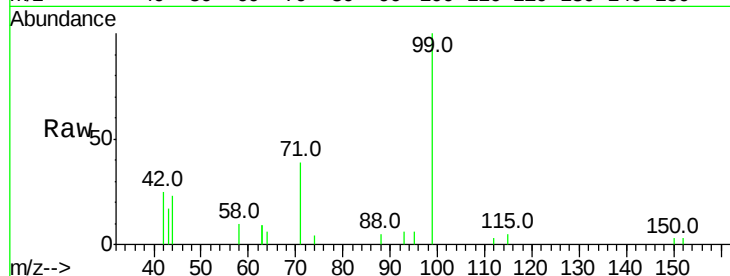
Tot Ion: 99 Resp: 3629

Ion Ratio Lower Upper

99 100

42 20.7 20.2 30.2

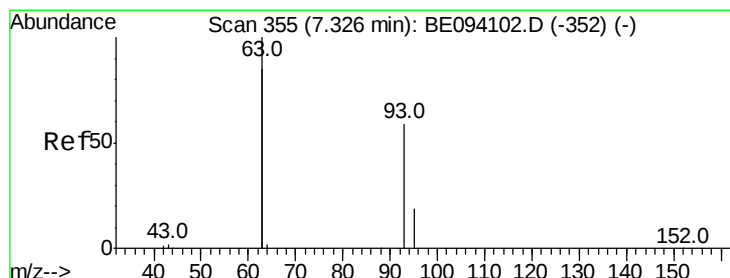
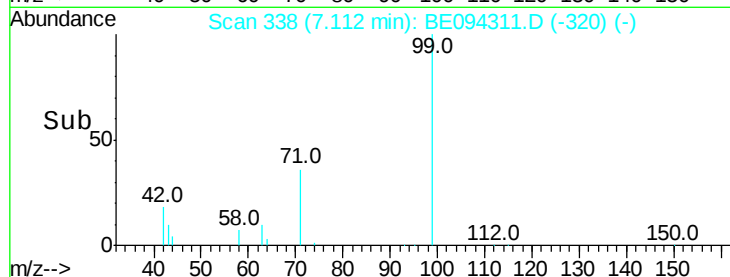
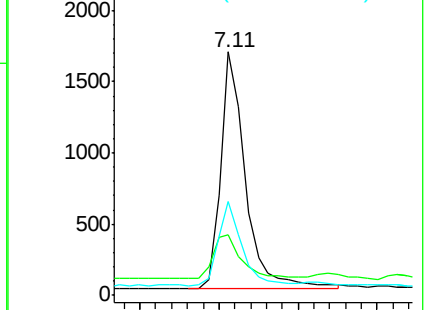
71 34.1 28.4 42.6



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: 0.398 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

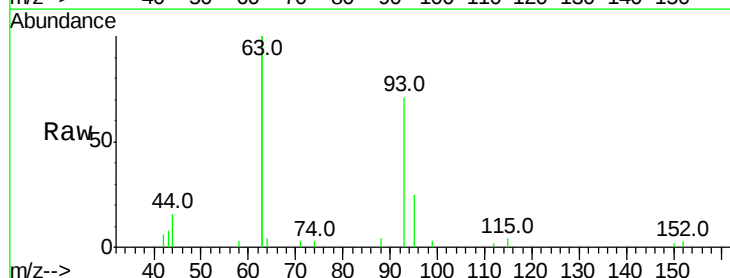
Tgt Ion: 93 Resp: 2763

Ion Ratio Lower Upper

93 100

63 329.1 275.3 412.9

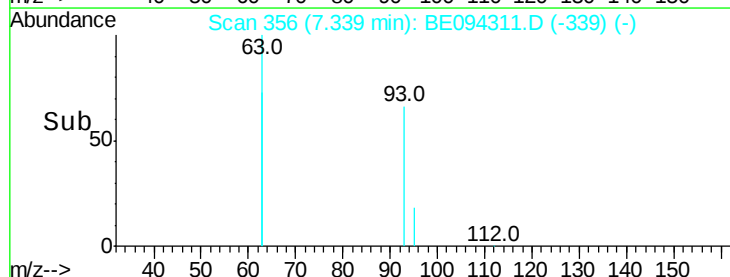
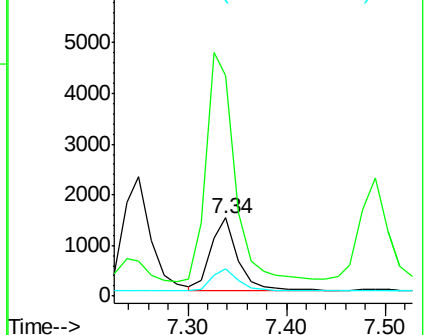
95 30.1 25.2 37.8



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: 10.71 min Scan# 577

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 8638

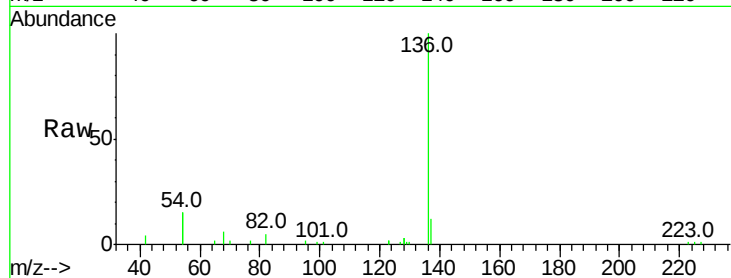
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 30.3 29.1 43.7

68 6.5 6.2 9.2

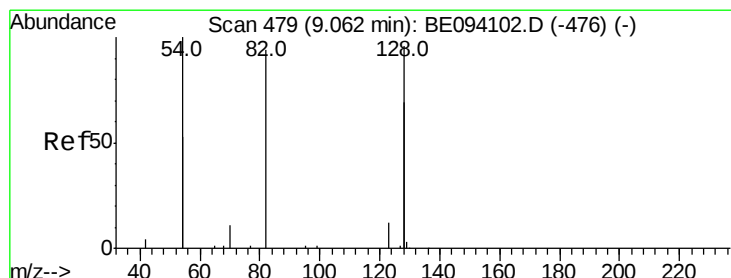
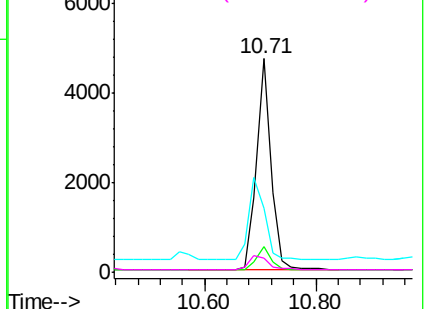
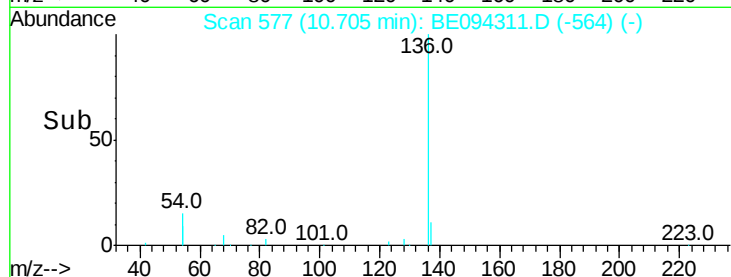


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.416 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

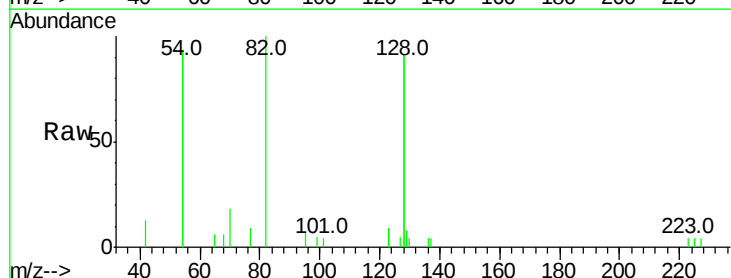
Tgt Ion: 82 Resp: 2995

Ion Ratio Lower Upper

82 100

128 182.7 150.0 225.0

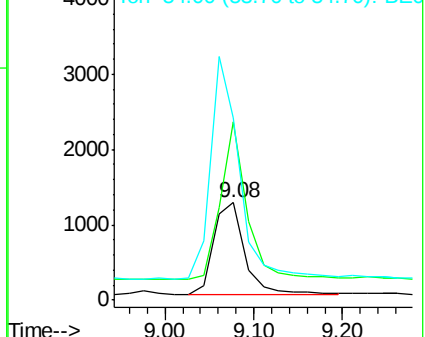
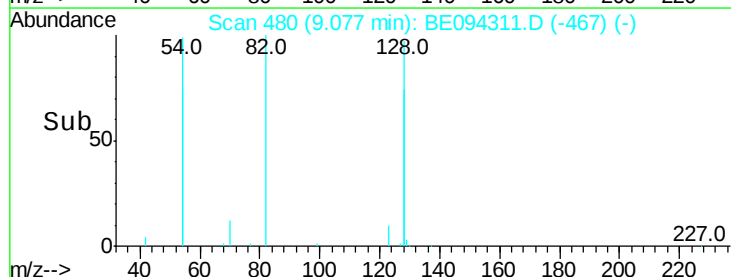
54 186.4 154.2 231.4



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: 10.76 min Scan# 580

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

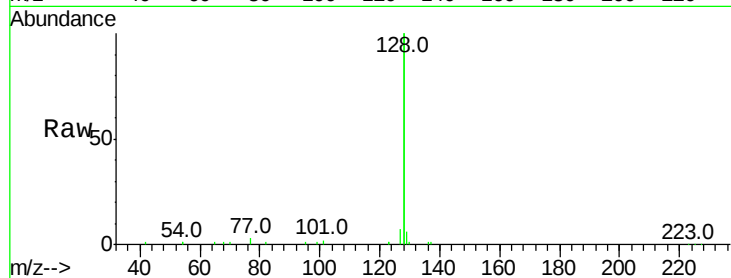
Tot Ion:128 Resp: 38854

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

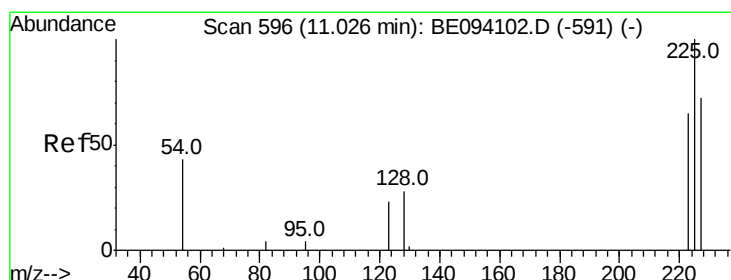
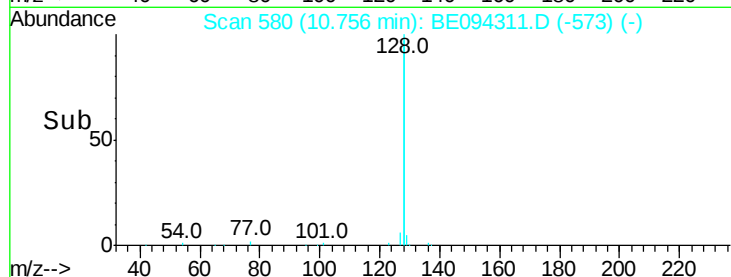
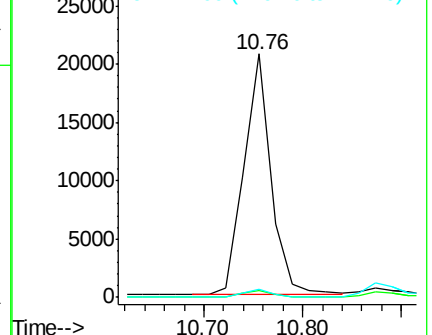
127 3.4 2.8 4.2



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: 0.416 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

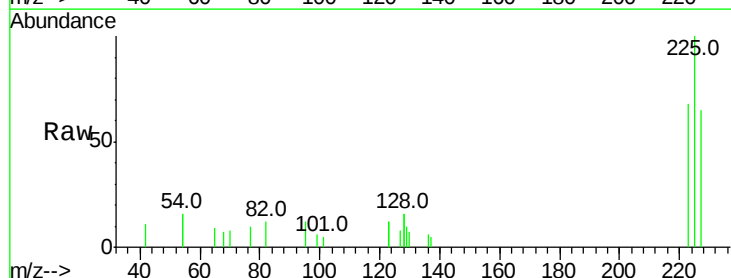
Tgt Ion:225 Resp: 1535

Ion Ratio Lower Upper

225 100

223 65.5 53.0 79.6

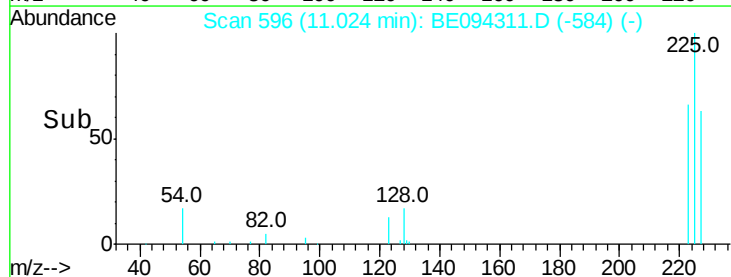
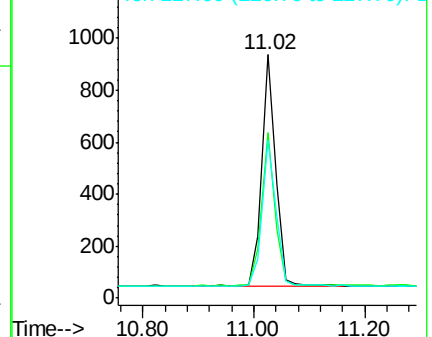
227 63.5 51.4 77.2



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: 0.389 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

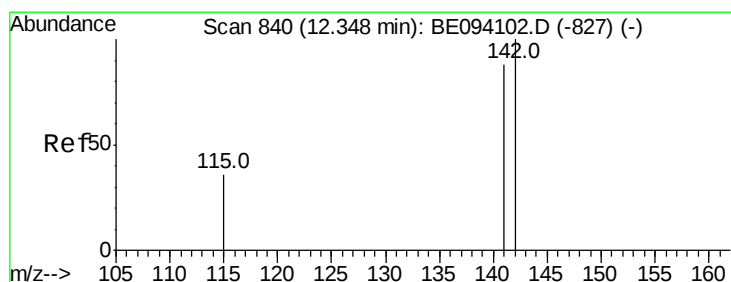
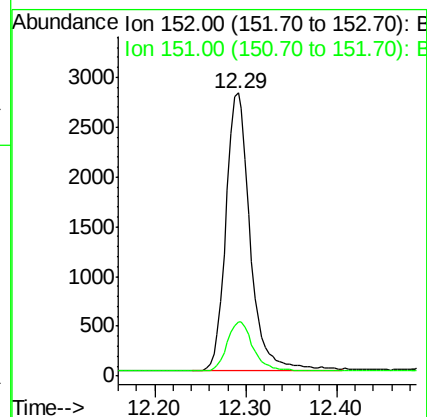
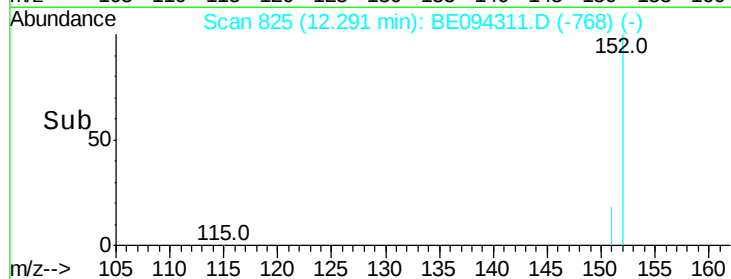
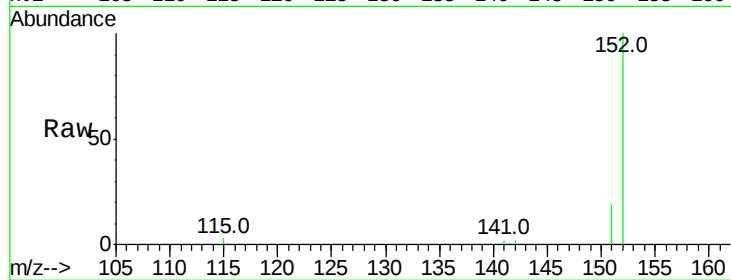
ClientSampleId :

Tot Ion:152 Resp: 5173

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.387 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

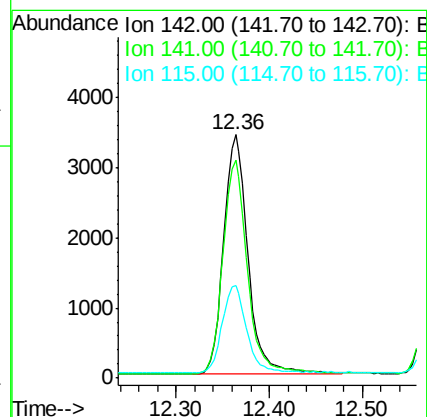
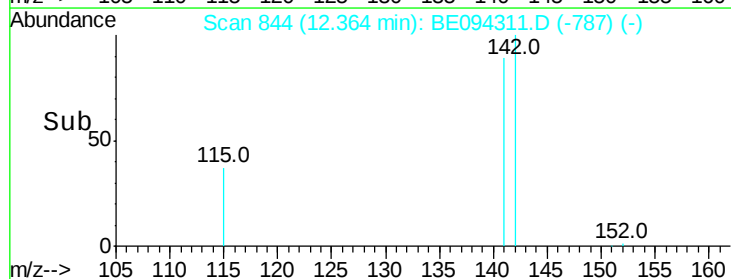
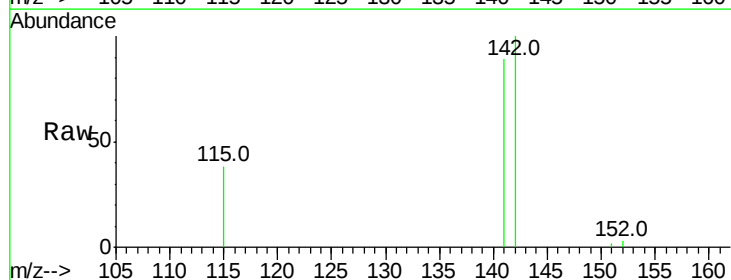
Tgt Ion:142 Resp: 6186

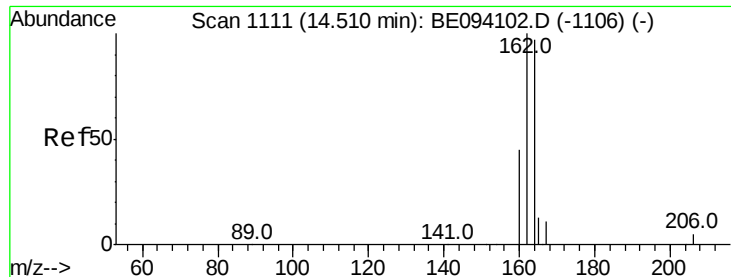
Ion Ratio Lower Upper

142 100

141 89.4 70.4 105.6

115 38.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

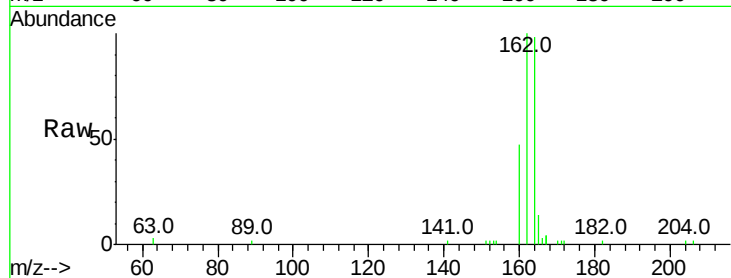
Tot Ion:164 Resp: 4539

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

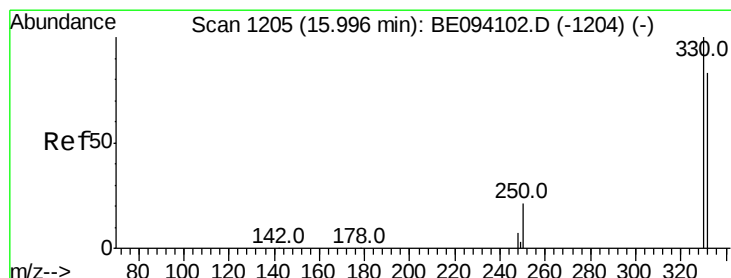
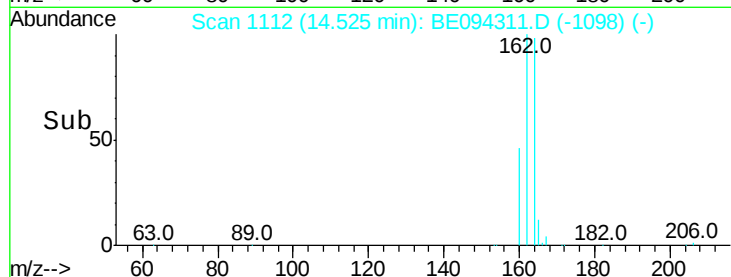
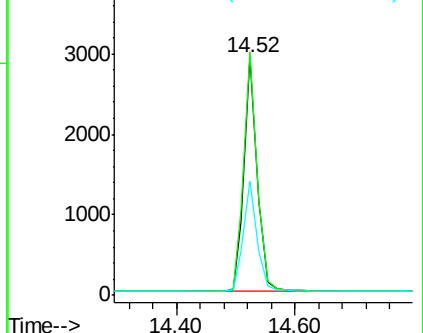
160 48.0 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.381 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

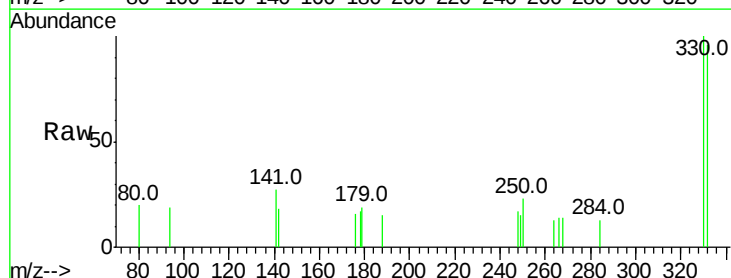
Tgt Ion:330 Resp: 751

Ion Ratio Lower Upper

330 100

332 97.3 152.7 229.1#

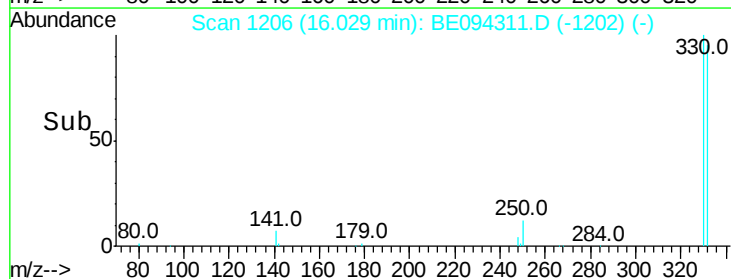
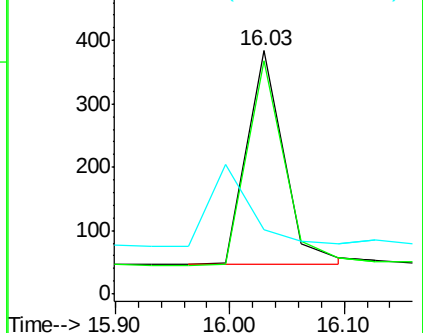
141 0.0 33.7 50.5#



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

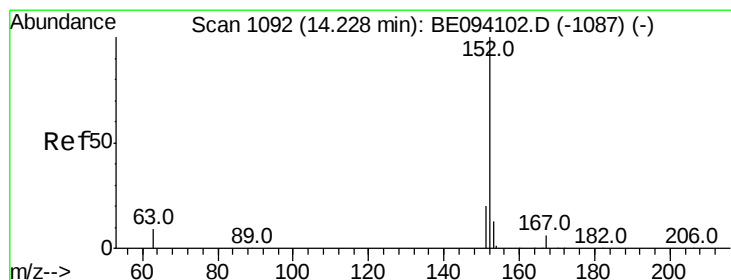
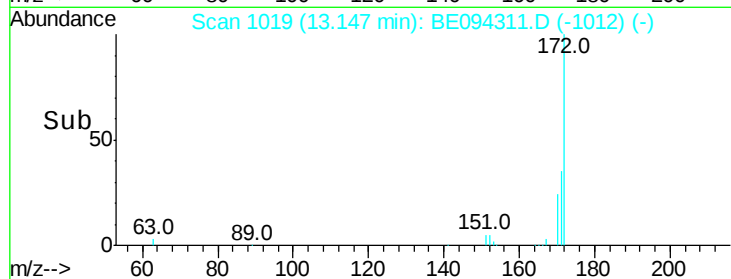
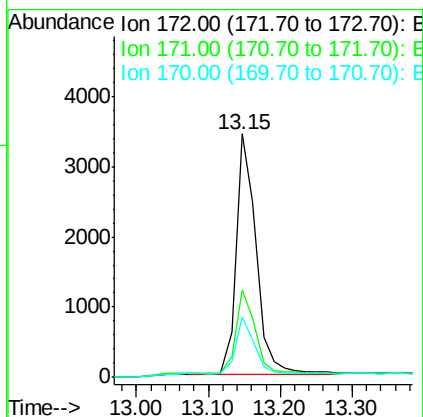
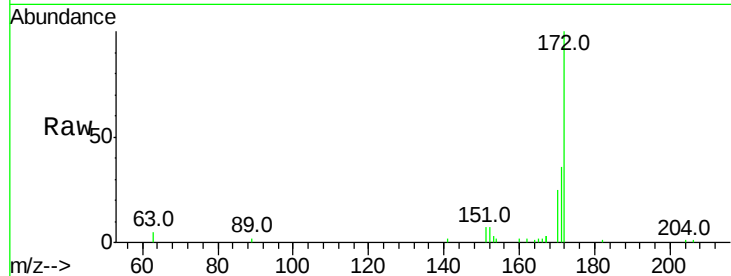




#15  
2-Fluorobiphenyl  
Concen: 0.422 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: BE094311.D  
Acq: 12 Oct 2017 12:02

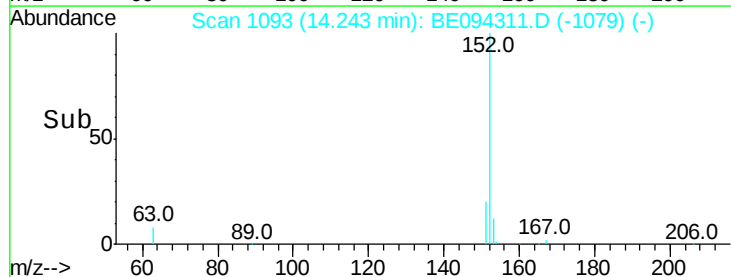
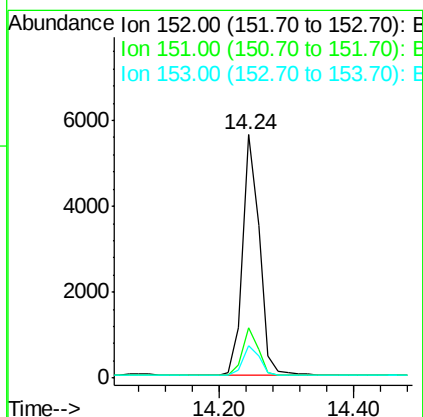
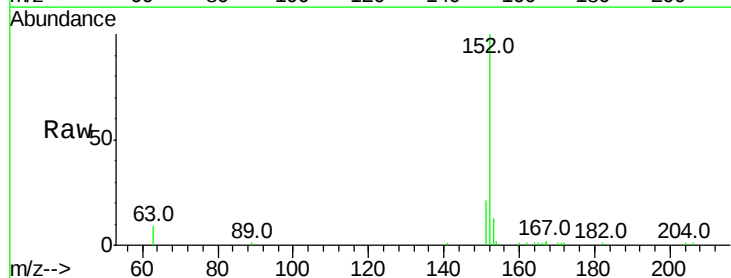
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 6566  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.9 44.9  
170 24.9 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.422 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.01 min  
Lab File: BE094311.D  
Acq: 12 Oct 2017 12:02

Tgt Ion:152 Resp: 9690  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.397 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

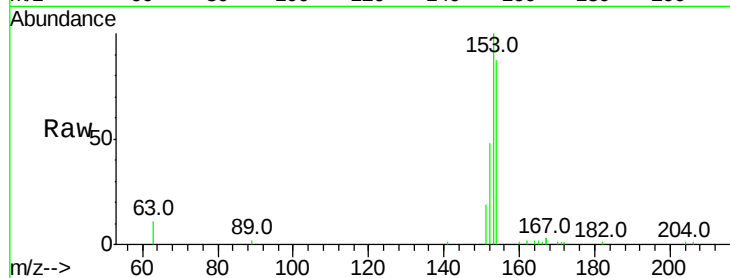
Tot Ion:154 Resp: 6031

Ion Ratio Lower Upper

154 100

153 113.0 89.2 133.8

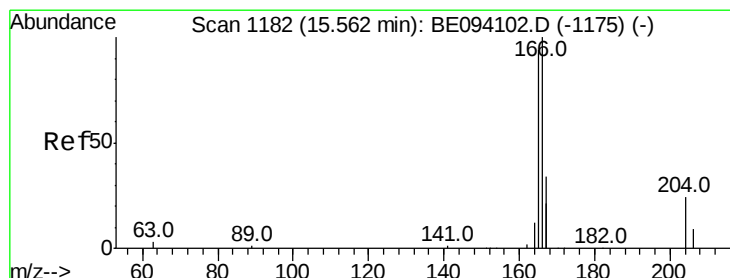
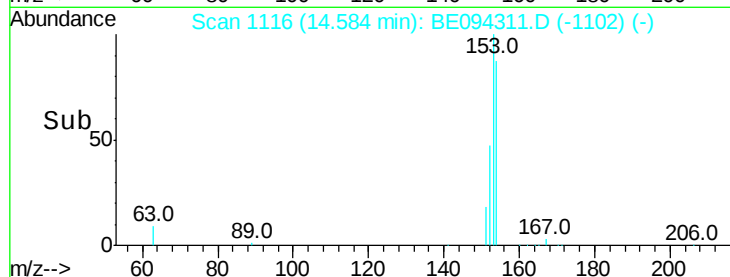
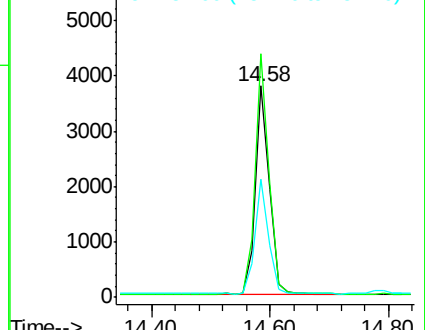
152 53.1 42.0 63.0



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: 0.379 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

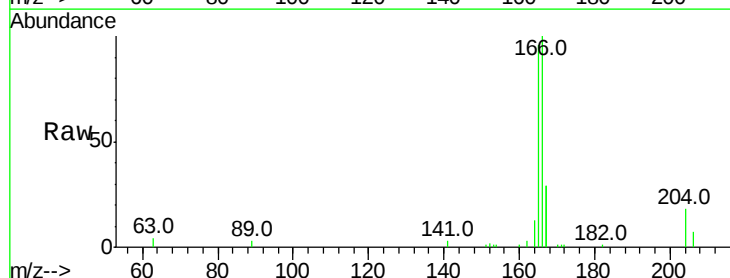
Tgt Ion:166 Resp: 7530

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

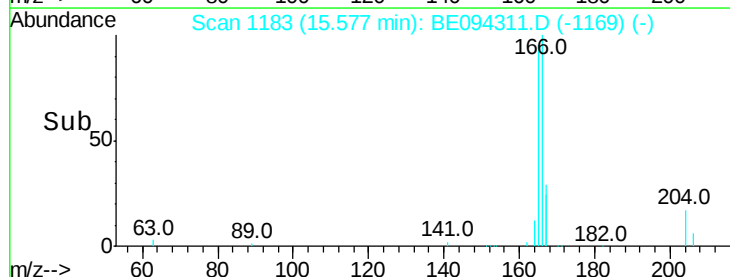
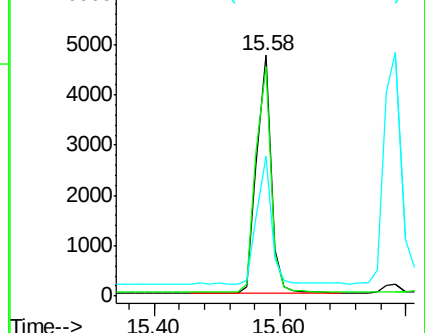
167 53.9 42.4 63.6

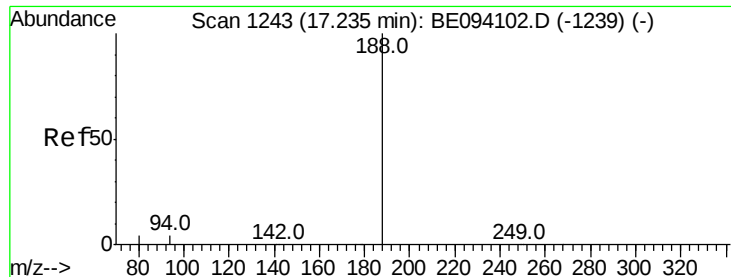


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

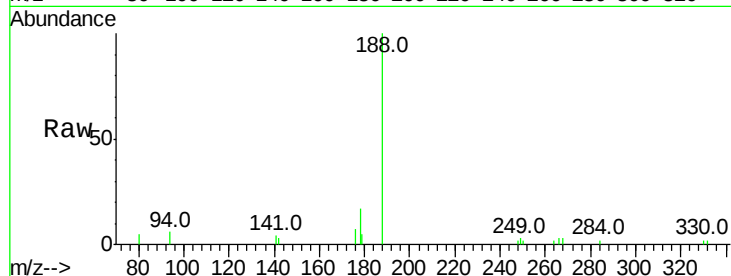
Tot Ion:188 Resp: 7027

Ion Ratio Lower Upper

188 100

94 5.7 3.9 5.9

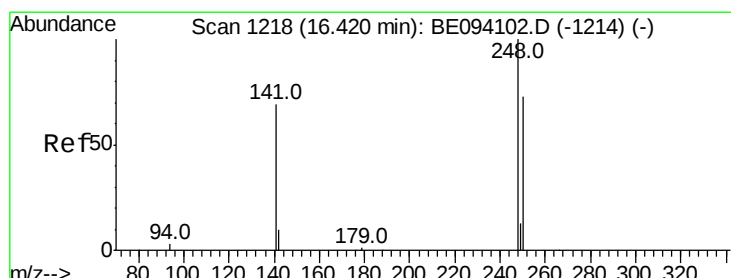
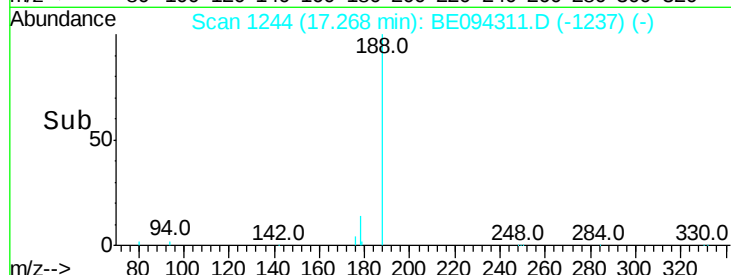
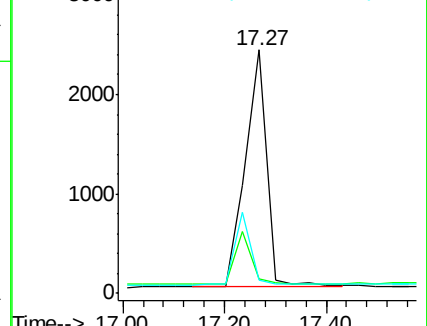
80 5.3 3.6 5.4



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: 0.335 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

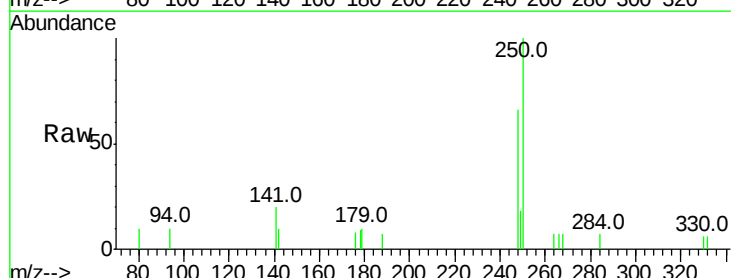
Tgt Ion:248 Resp: 1355

Ion Ratio Lower Upper

248 100

250 152.5 62.7 94.1#

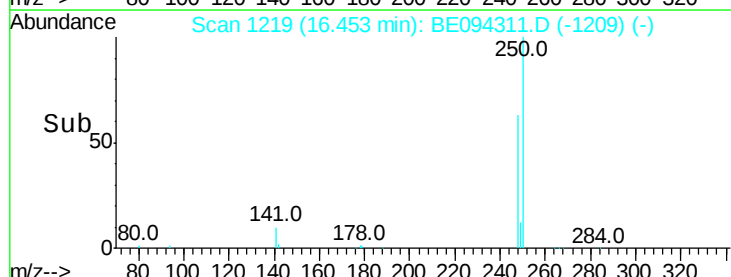
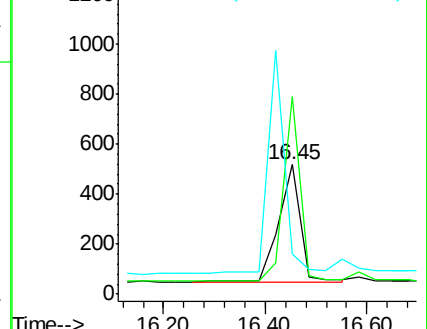
141 31.1 48.2 72.2#

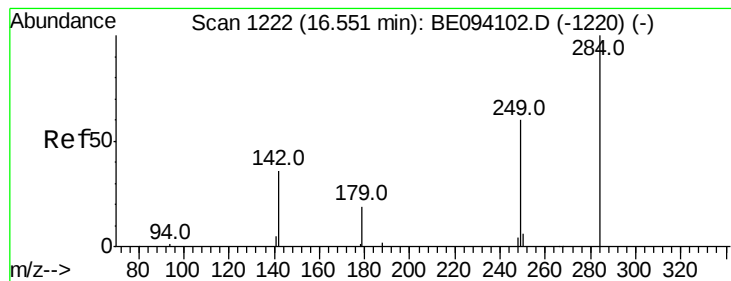


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.729 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

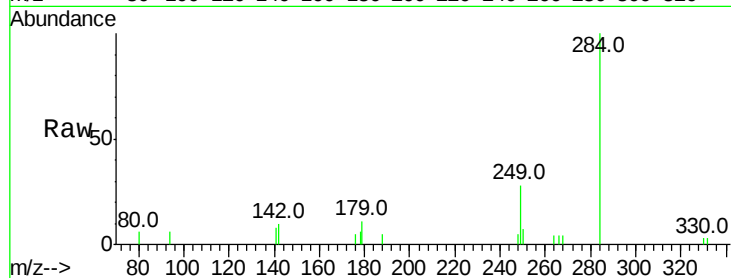
Tot Ion:284 Resp: 2652

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

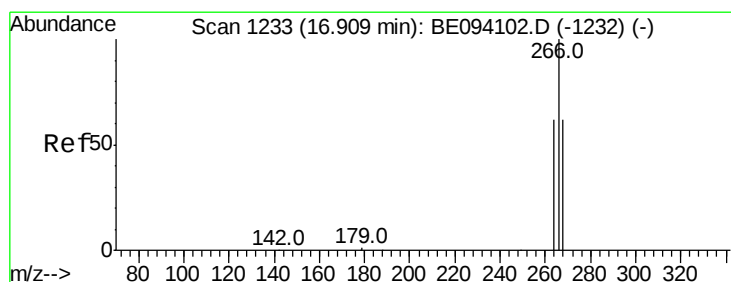
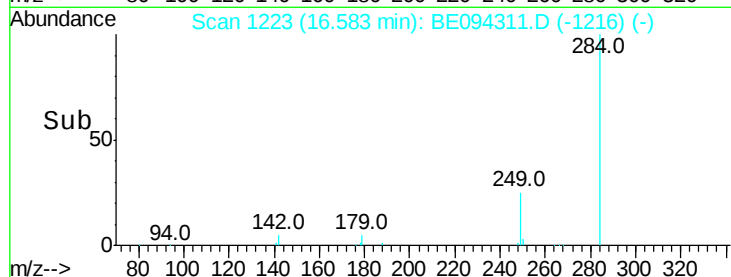
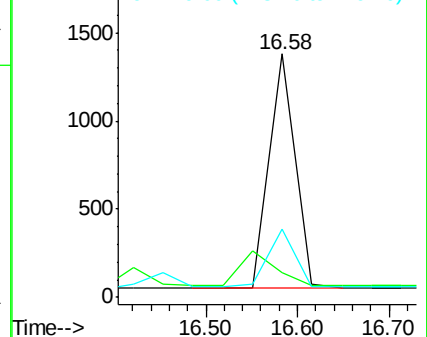
249 25.5 34.8 52.2#



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: 0.260 ng

RT: 16.97 min Scan# 1235

Delta R.T. 0.07 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

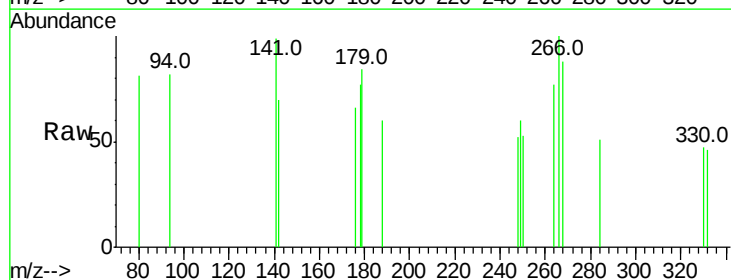
Tgt Ion:266 Resp: 256

Ion Ratio Lower Upper

266 100

264 76.6 72.5 108.7

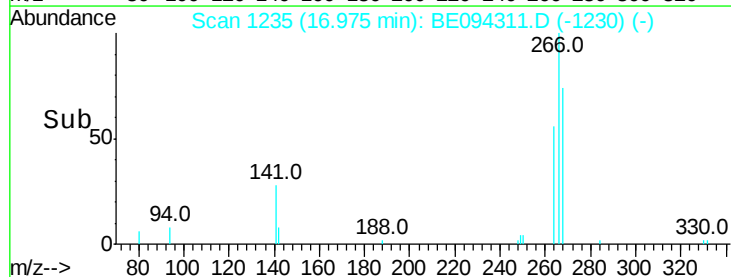
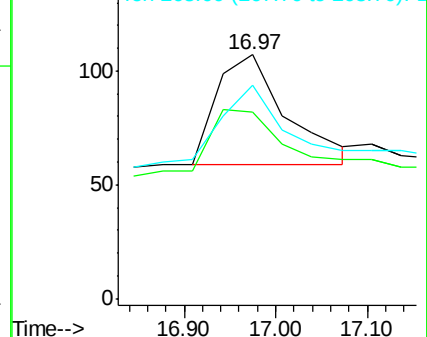
268 87.9 73.8 110.6

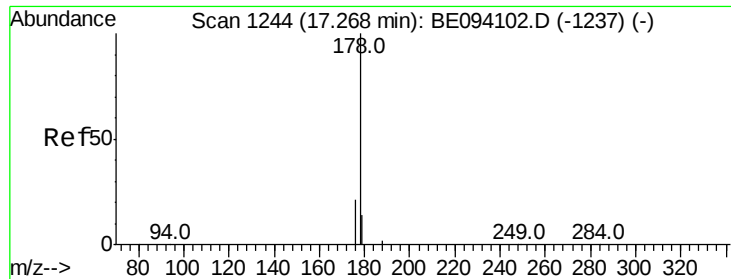


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.558 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

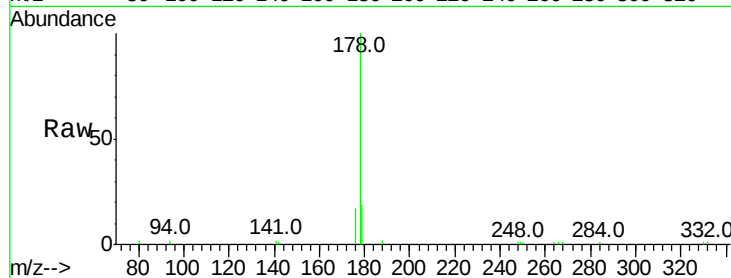
Tot Ion:178 Resp: 13589

Ion Ratio Lower Upper

178 100

176 25.2 15.1 22.7#

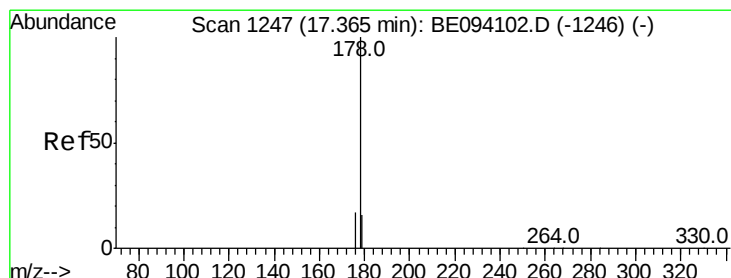
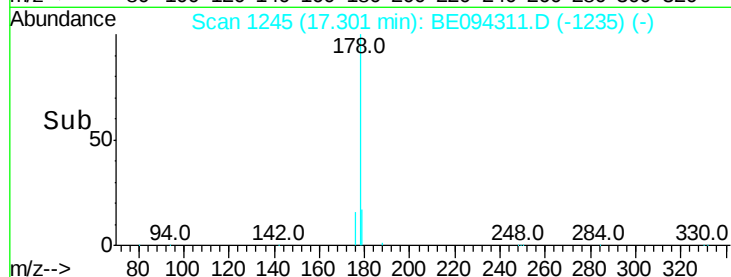
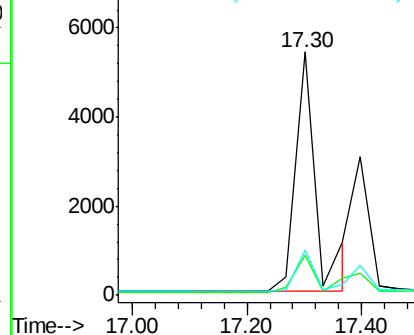
179 16.4 11.8 17.6



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: 0.336 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

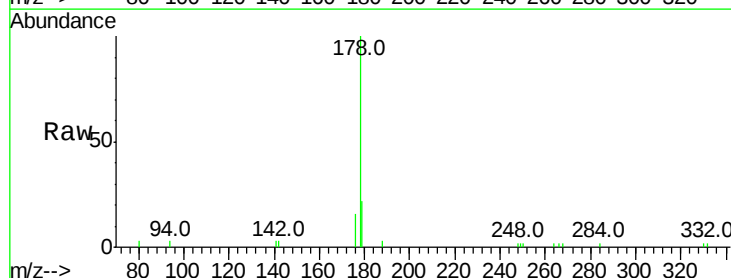
Tgt Ion:178 Resp: 6237

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

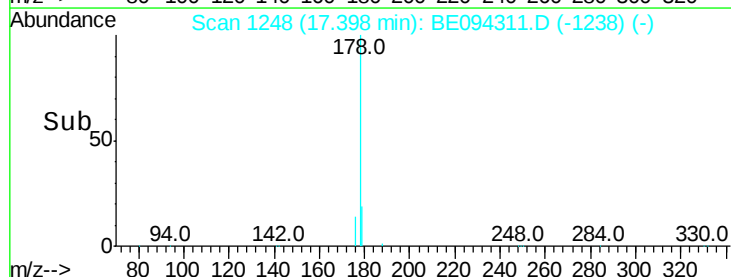
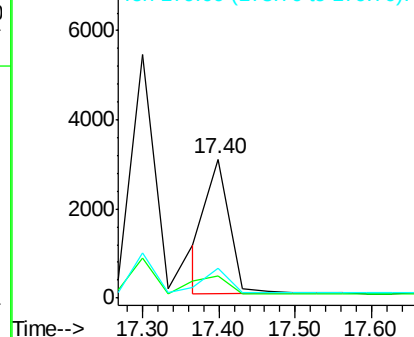
179 20.2 13.0 19.6#

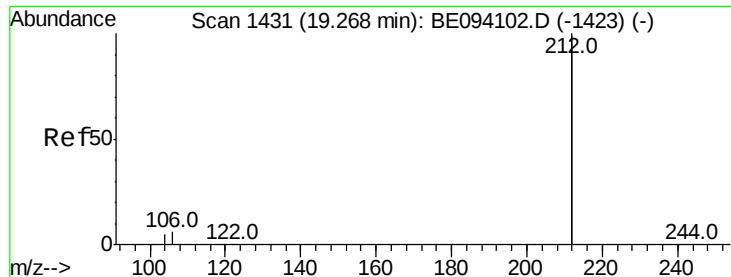


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.679 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

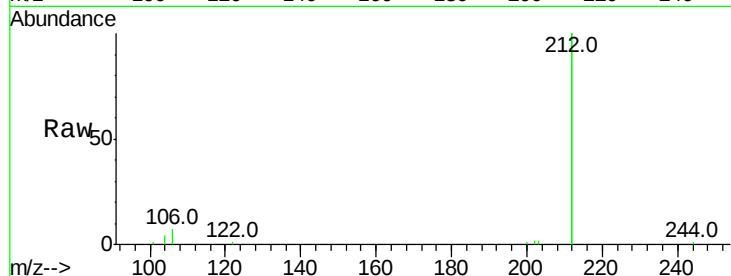
Tot Ion:212 Resp: 47635

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

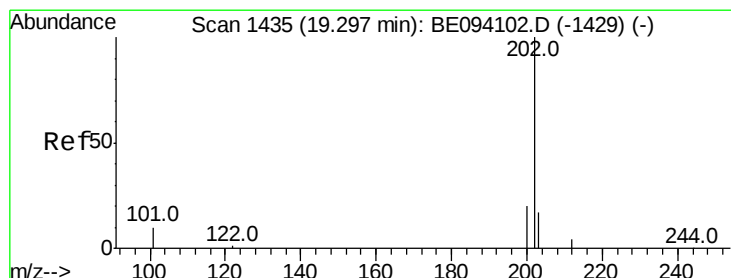
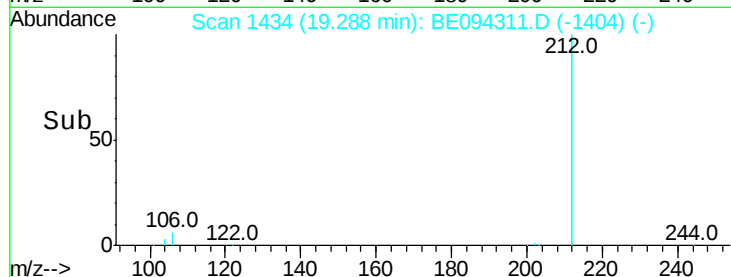
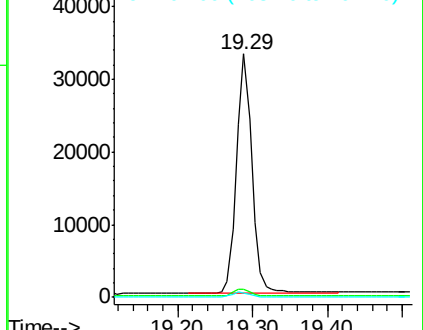
104 1.9 1.6 2.4



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: 0.666 ng

RT: 19.32 min Scan# 1438

Delta R.T. 0.02 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

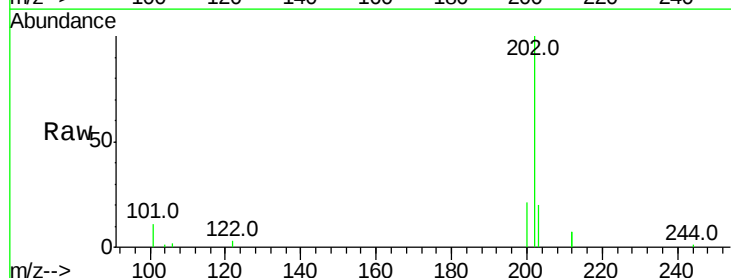
Tgt Ion:202 Resp: 14230

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

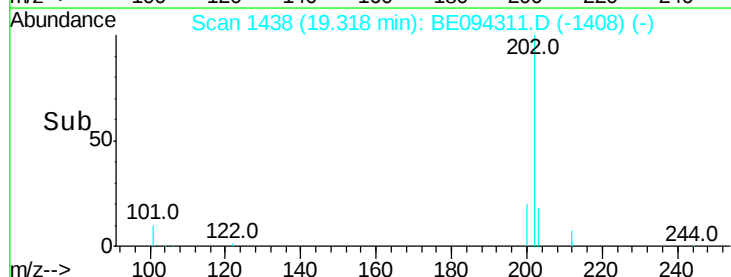
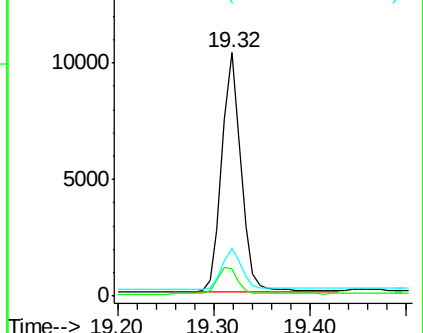
203 18.0 13.7 20.5

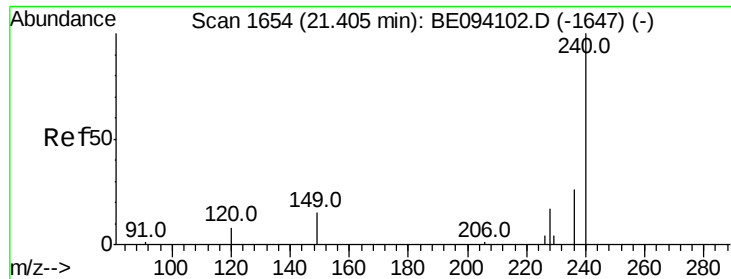


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

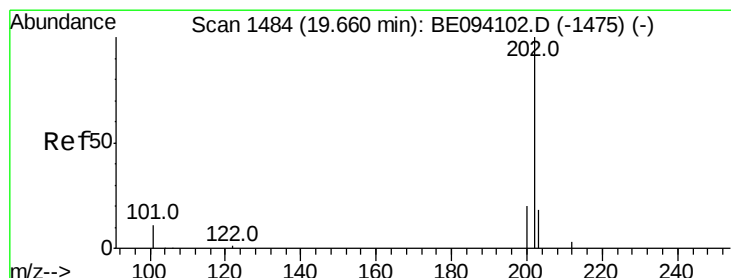
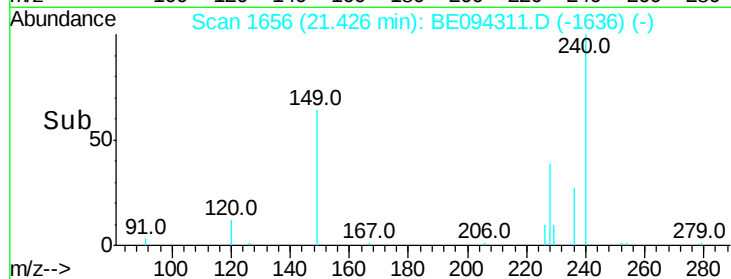
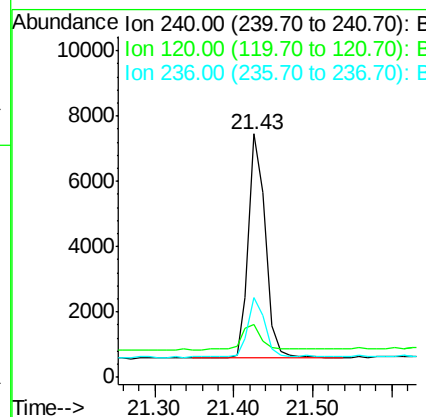
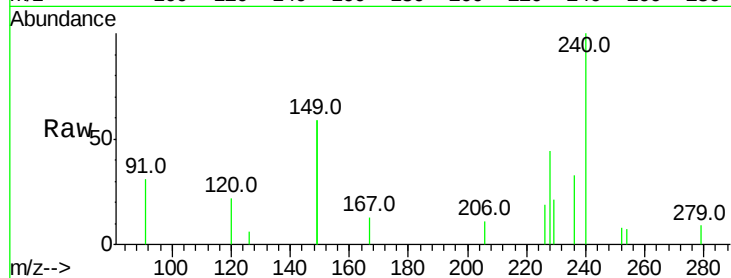




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.43 min Scan# 1656  
 Delta R.T. 0.02 min  
 Lab File: BE094311.D  
 Acq: 12 Oct 2017 12:02

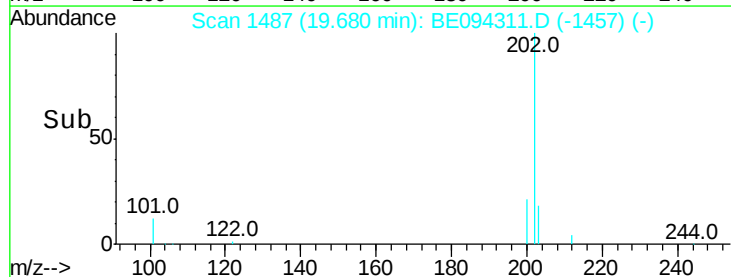
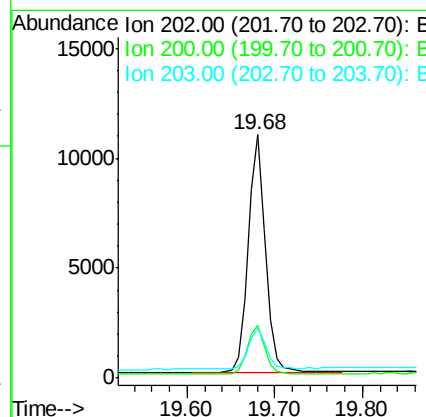
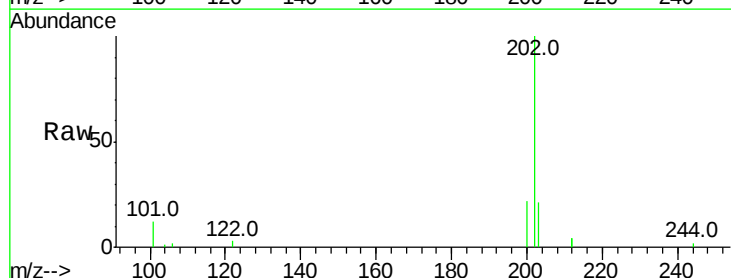
Instrument :  
 BNA\_E  
 ClientSampleId :

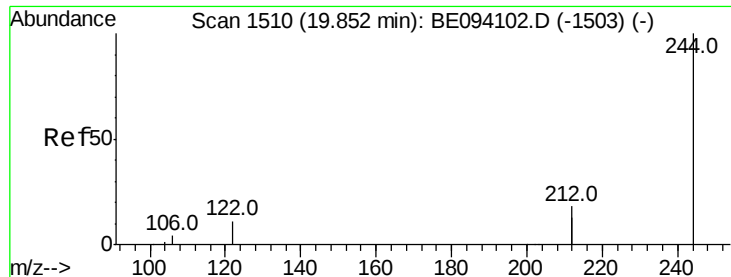
Tot Ion:240 Resp: 10221  
 Ion Ratio Lower Upper  
 240 100  
 120 21.7 5.5 8.3#  
 236 32.9 20.7 31.1#



#28  
 Pyrene  
 Concen: 0.427 ng  
 RT: 19.68 min Scan# 1487  
 Delta R.T. 0.02 min  
 Lab File: BE094311.D  
 Acq: 12 Oct 2017 12:02

Tgt Ion:202 Resp: 15000  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 16.6 25.0  
 203 18.9 13.8 20.8





#29

Terphenyl-d14

Concen: 0.419 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

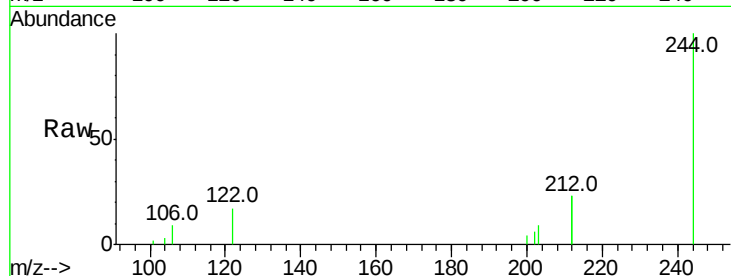
Tot Ion:244 Resp: 8081

Ion Ratio Lower Upper

244 100

212 46.8 25.4 38.0#

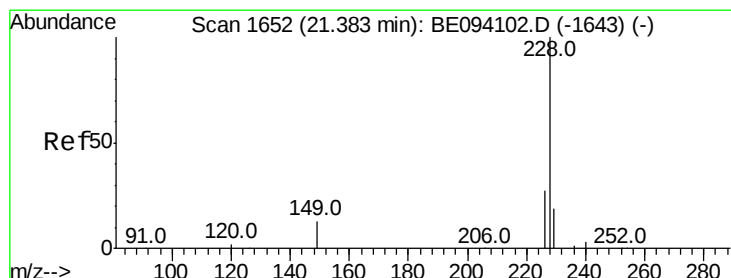
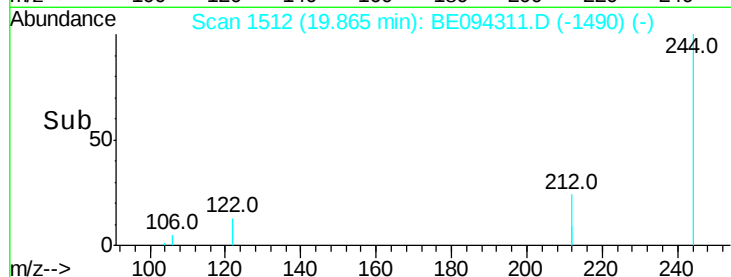
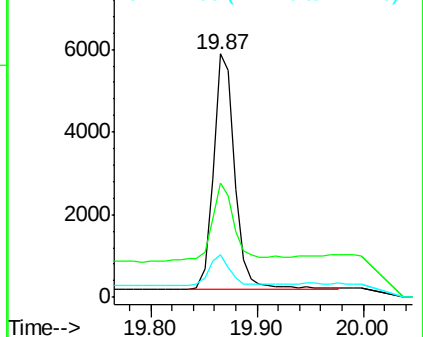
122 17.5 8.1 12.1#



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: 0.405 ng

RT: 21.41 min Scan# 1655

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

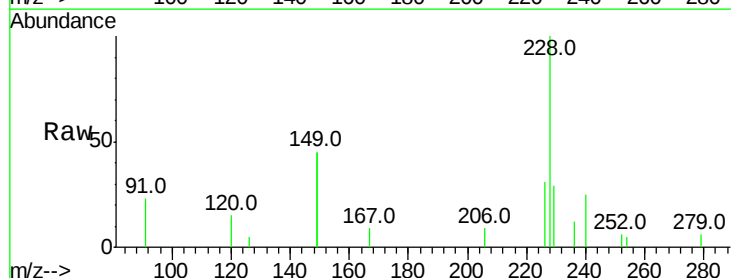
Tgt Ion:228 Resp: 13591

Ion Ratio Lower Upper

228 100

226 30.8 21.4 32.0

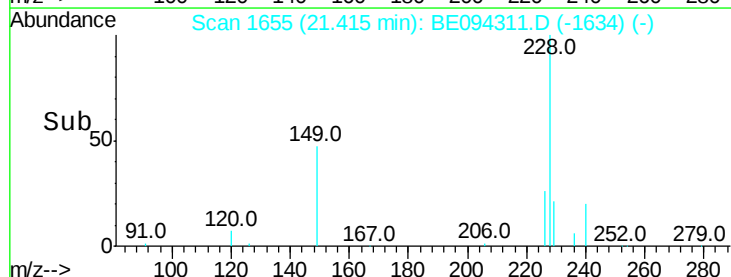
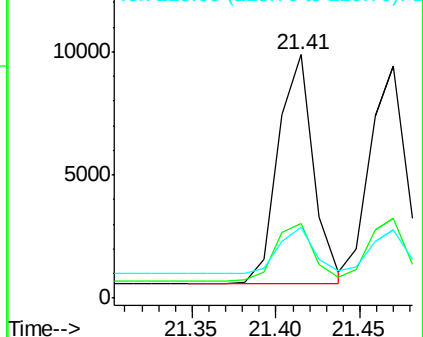
229 29.3 16.4 24.6#



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: 0.412 ng

RT: 21.47 min Scan# 1660

Delta R.T. 0.03 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

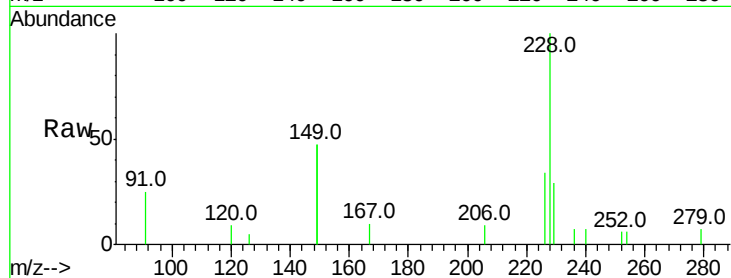
Tot Ion:228 Resp: 13649

Ion Ratio Lower Upper

228 100

226 34.2 23.6 35.4

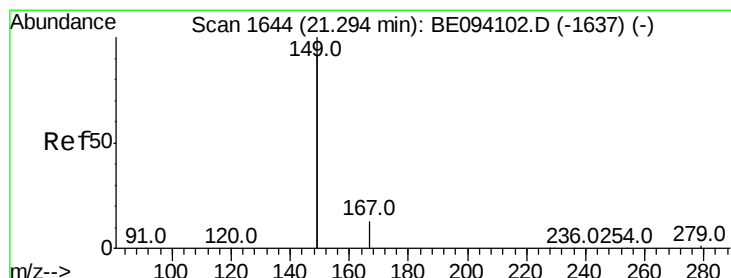
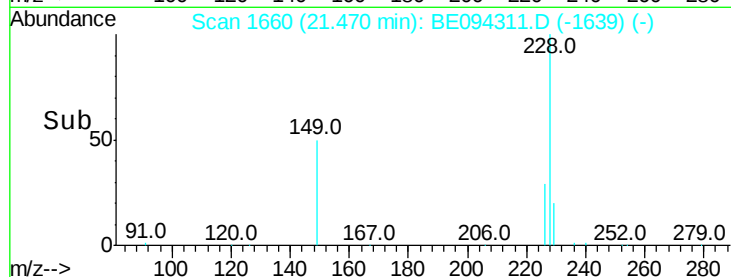
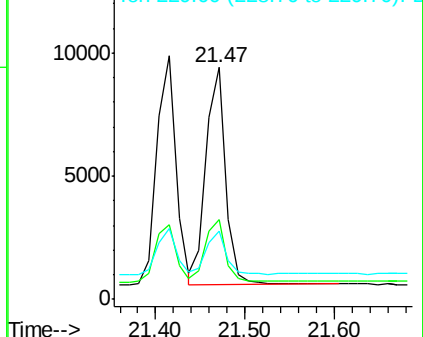
229 29.3 16.4 24.6#



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: 0.554 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.01 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

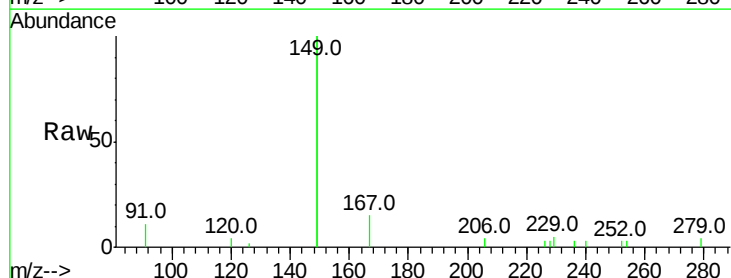
Tgt Ion:149 Resp: 42819

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

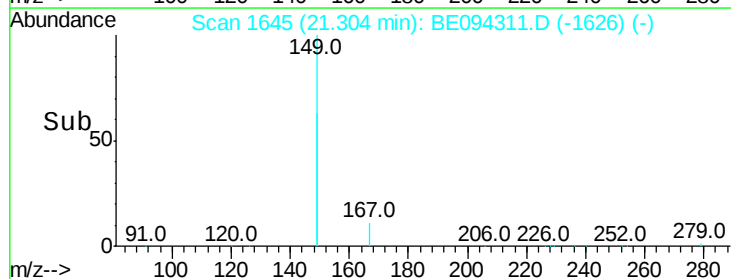
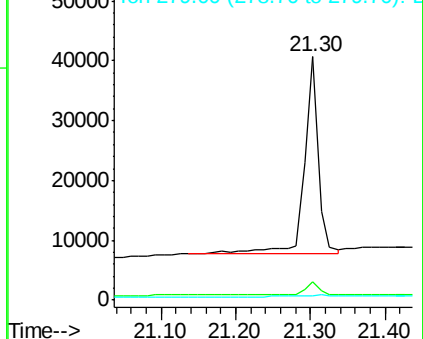
279 1.6 0.7 1.1#

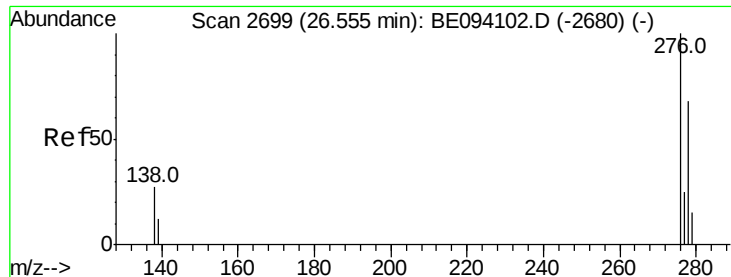


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.335 ng

RT: 26.65 min Scan# 2720

Delta R.T. 0.10 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

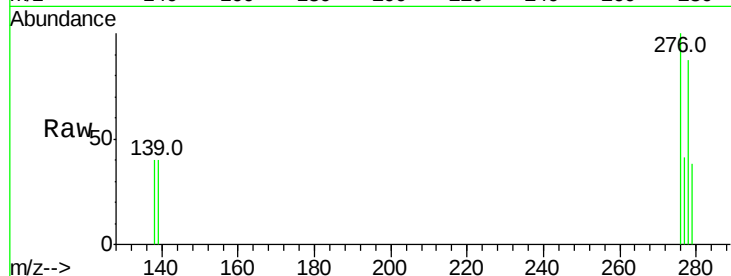
Tot Ion:276 Resp: 11015

Ion Ratio Lower Upper

276 100

138 27.5 22.5 33.7

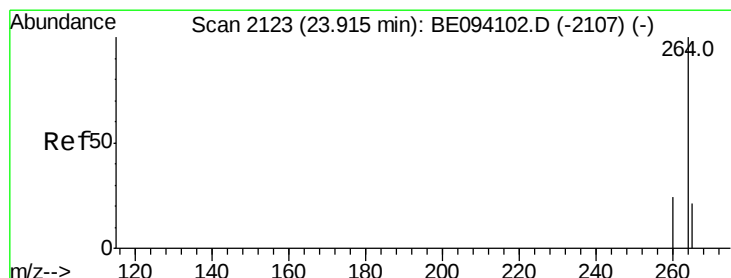
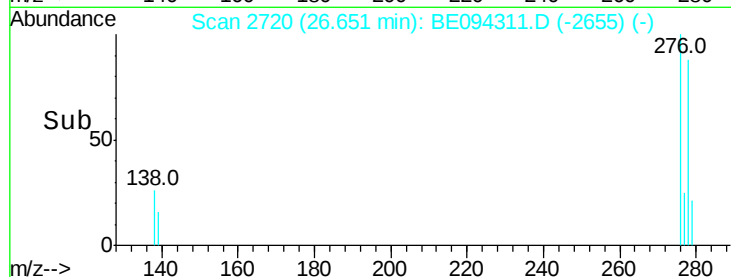
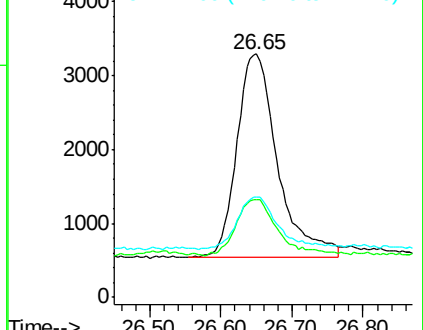
277 24.6 19.9 29.9



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: 23.96 min Scan# 2133

Delta R.T. 0.05 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

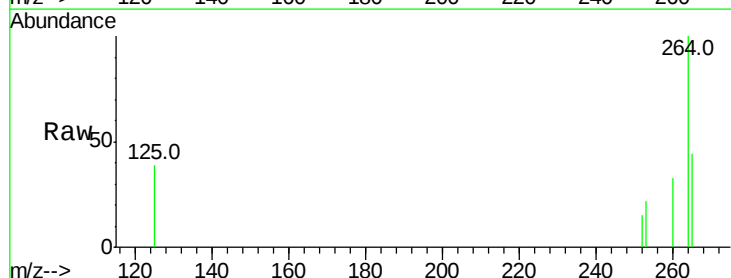
Tgt Ion:264 Resp: 9833

Ion Ratio Lower Upper

264 100

260 33.3 20.5 30.7#

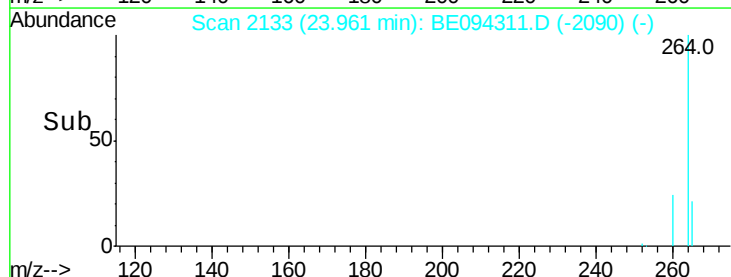
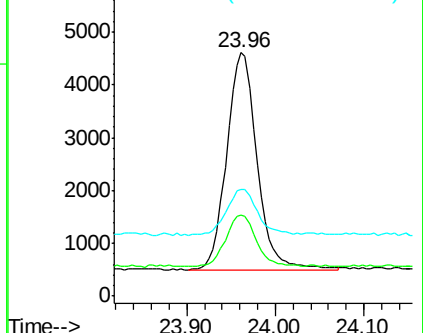
265 43.7 22.8 34.2#



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: 0.385 ng

RT: 23.18 min Scan# 1962

Delta R.T. 0.04 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

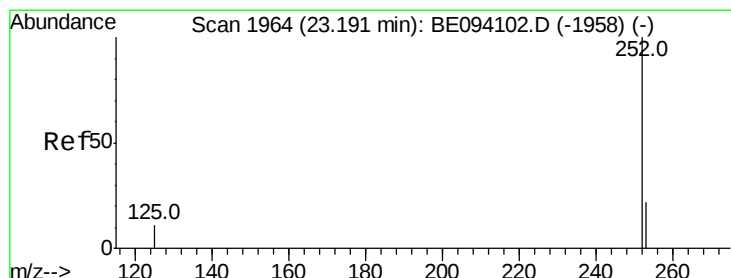
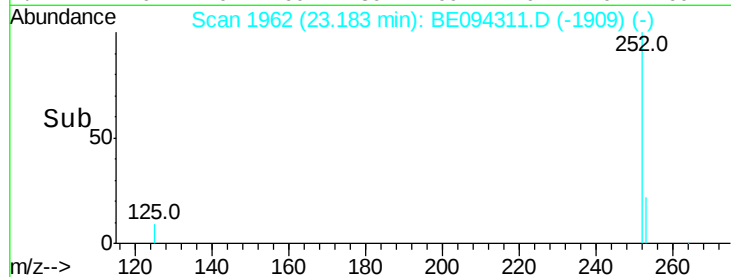
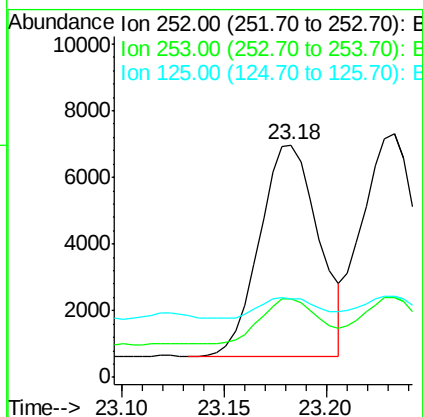
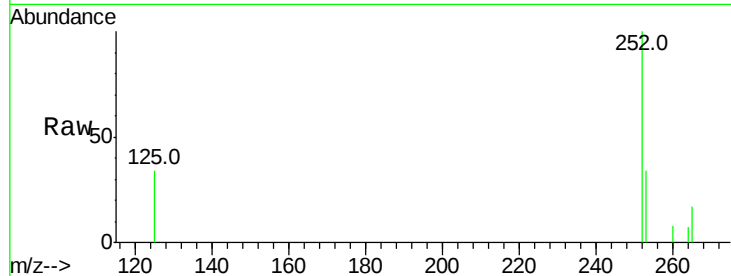
Tot Ion:252 Resp: 12749

Ion Ratio Lower Upper

252 100

253 33.9 18.2 27.2#

125 34.0 10.1 15.1#



#36

Benzo(k)fluoranthene

Concen: 0.391 ng

RT: 23.23 min Scan# 1973

Delta R.T. 0.04 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

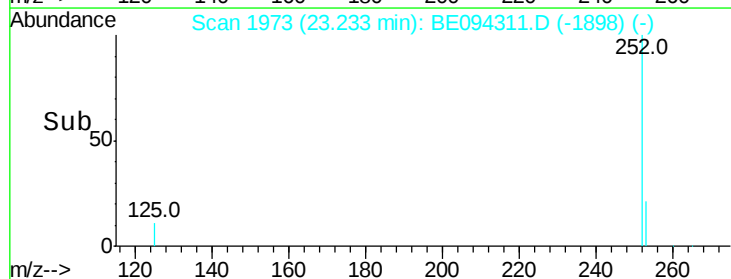
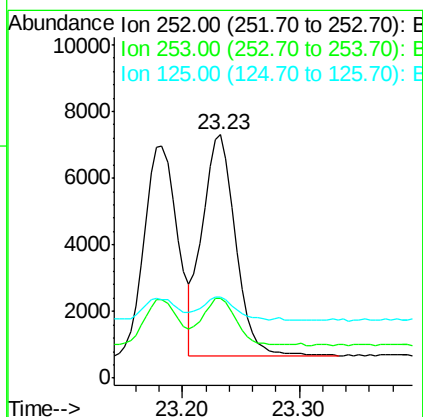
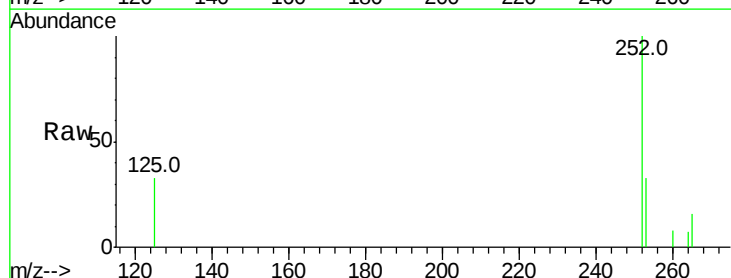
Tgt Ion:252 Resp: 13150

Ion Ratio Lower Upper

252 100

253 32.9 18.6 27.8#

125 33.5 10.7 16.1#





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.85 min Scan# 2108

Delta R.T. 0.05 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :

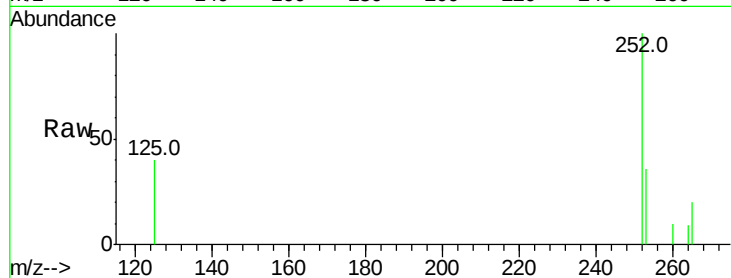
Tot Ion:252 Resp: 12195

Ion Ratio Lower Upper

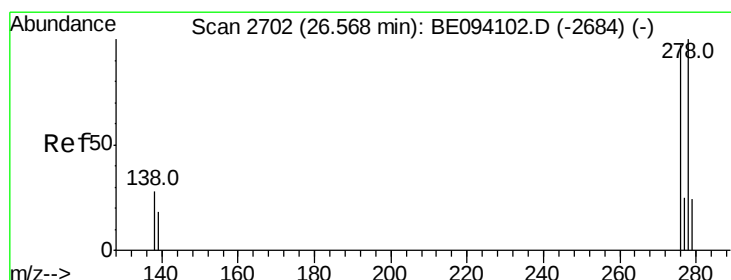
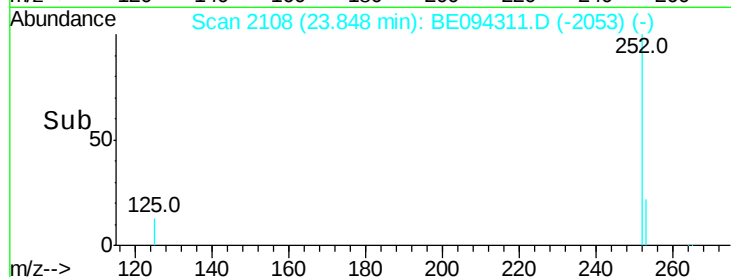
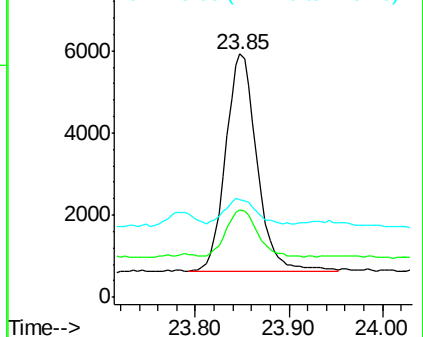
252 100

253 36.1 19.0 28.6#

125 40.3 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: 0.344 ng

RT: 26.66 min Scan# 2721

Delta R.T. 0.09 min

Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

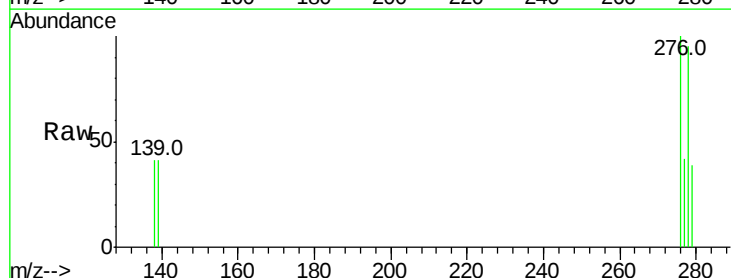
Tgt Ion:278 Resp: 9973

Ion Ratio Lower Upper

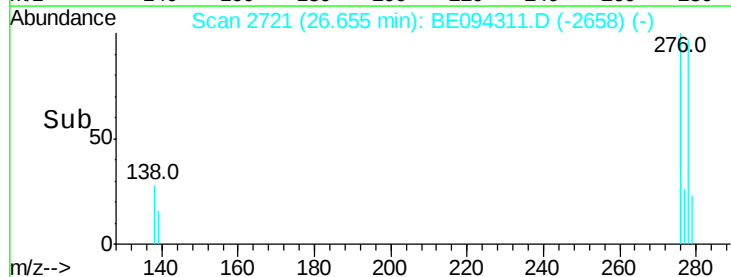
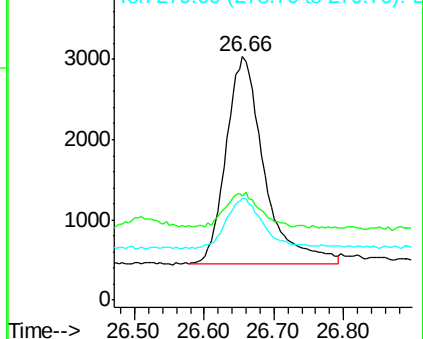
278 100

139 42.9 16.3 24.5#

279 41.4 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: 0.278 ng

RT: 27.48 min Scan# 2903

Delta R.T. 0.11 min

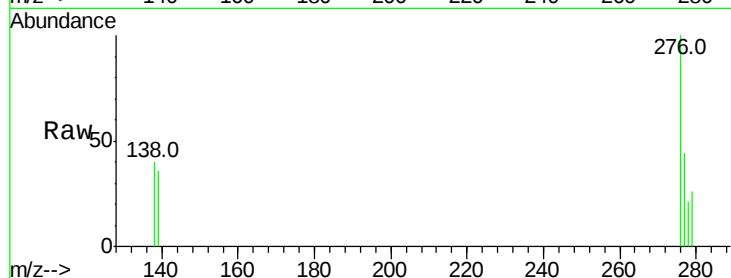
Lab File: BE094311.D

Acq: 12 Oct 2017 12:02

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 276 Resp: 8226

Ion Ratio Lower Upper

276 100

277 44.4 20.8 31.2#

138 40.3 21.5 32.3#

