

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\  
 Data File : BE093031.D  
 Acq On : 15 May 2017 12:59  
 Operator : SJ/MA  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 15 13:44:00 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 15 13:35:57 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 828      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3511     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1722     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 4162     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.28 | 240  | 4476     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.69 | 264  | 3767     | 0.40 | ng    | -0.01    |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.35  | 112 | 978  | 0.39 | ng | 0.00 |
| 5) Phenol-d6                | 6.92  | 99  | 1343 | 0.39 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 1189 | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 2059 | 0.40 | ng | 0.02 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 184  | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2851 | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.14 | 212 | 4234 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.74 | 244 | 3333 | 0.40 | ng | 0.00 |

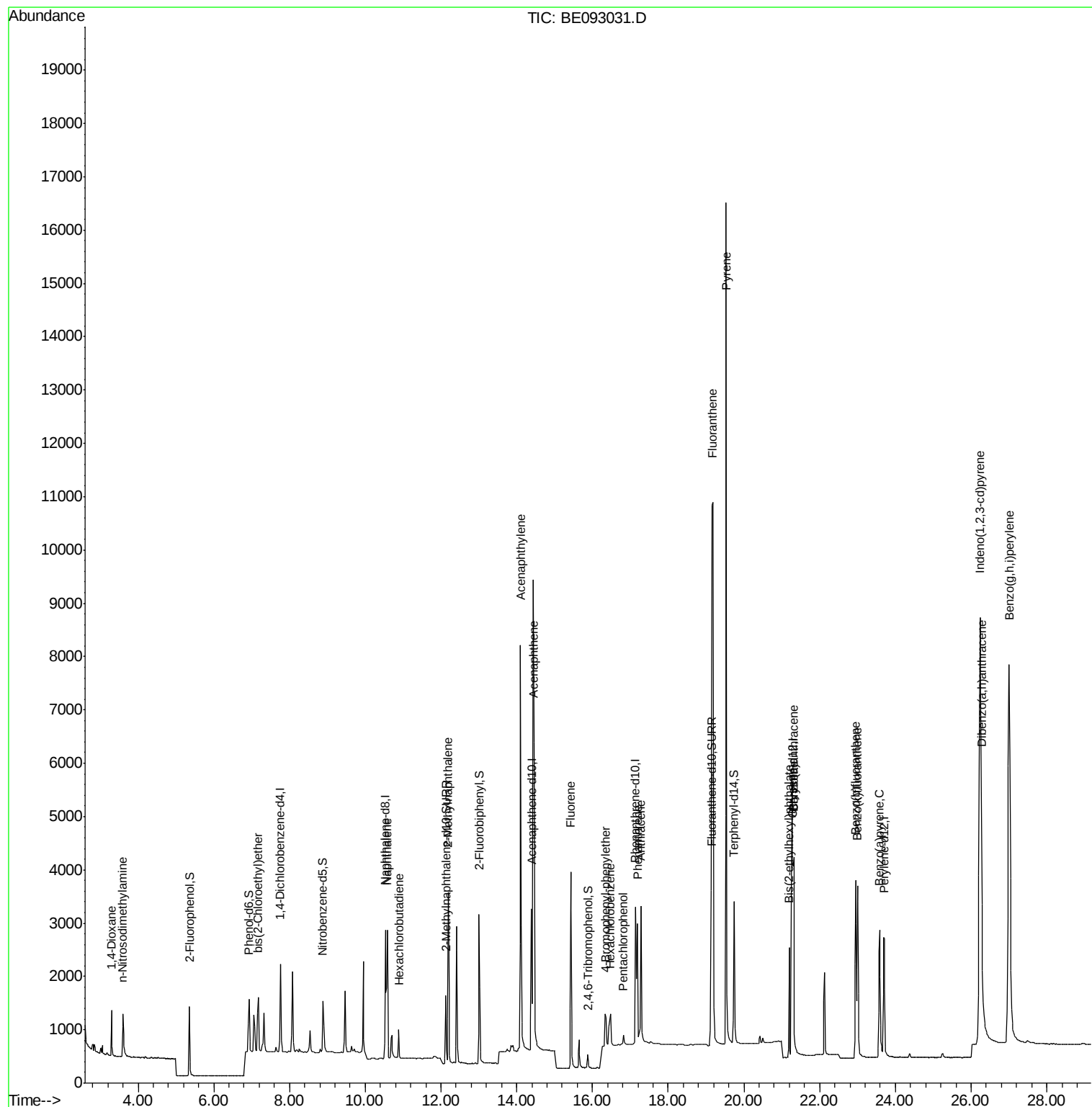
|                                |       |     |       |      |        |       |
|--------------------------------|-------|-----|-------|------|--------|-------|
| Target Compounds               |       |     |       |      | Qvalue |       |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 642   | 0.39 | ng     | 98    |
| 3) n-Nitrosodimethylamine      | 3.59  | 42  | 586   | 0.39 | ng     | 97    |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93  | 1111  | 0.40 | ng     | # 100 |
| 9) Naphthalene                 | 10.58 | 128 | 3714  | 0.40 | ng     | 99    |
| 10) Hexachlorobutadiene        | 10.89 | 225 | 483   | 0.40 | ng     | 99    |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 2299  | 0.40 | ng     | 98    |
| 16) Acenaphthylene             | 14.10 | 152 | 11524 | 0.38 | ng     | 100   |
| 17) Acenaphthene               | 14.46 | 154 | 2178  | 0.40 | ng     | 96    |
| 18) Fluorene                   | 15.43 | 166 | 2621  | 0.39 | ng     | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.36 | 248 | 537   | 0.42 | ng     | 90    |
| 21) Hexachlorobenzene          | 16.47 | 284 | 860   | 0.48 | ng     | # 100 |
| 22) Pentachlorophenol          | 16.82 | 266 | 190   | 0.38 | ng     | 95    |
| 23) Phenanthrene               | 17.19 | 178 | 3943  | 0.46 | ng     | 99    |
| 24) Anthracene                 | 17.28 | 178 | 3870  | 0.46 | ng     | 97    |
| 26) Fluoranthene               | 19.18 | 202 | 20847 | 0.41 | ng     | # 99  |
| 28) Pyrene                     | 19.53 | 202 | 21734 | 0.40 | ng     | # 95  |
| 30) Benzo(a)anthracene         | 21.32 | 228 | 4404  | 0.36 | ng     | 99    |
| 31) Chrysene                   | 21.32 | 228 | 5186  | 0.40 | ng     | 97    |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 1971  | 0.34 | ng     | 97    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 19811 | 0.42 | ng     | 99    |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 4689  | 0.39 | ng     | 99    |
| 36) Benzo(k)fluoranthene       | 23.00 | 252 | 4860  | 0.41 | ng     | 96    |
| 37) Benzo(a)pyrene             | 23.59 | 252 | 4162  | 0.38 | ng     | 99    |
| 38) Dibenzo(a,h)anthracene     | 26.27 | 278 | 4323  | 0.43 | ng     | 96    |
| 39) Benzo(g,h,i)perylene       | 27.00 | 276 | 17824 | 0.40 | ng     | 100   |

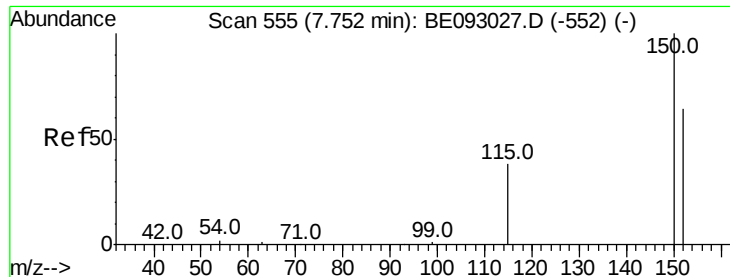
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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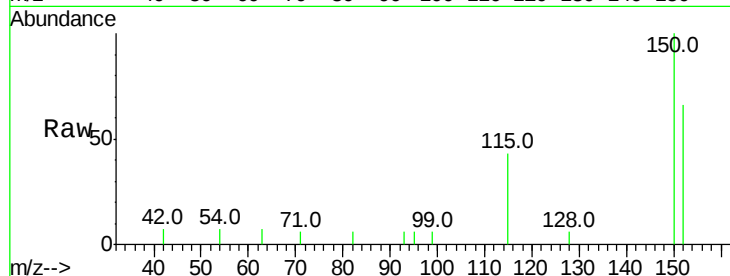


#1

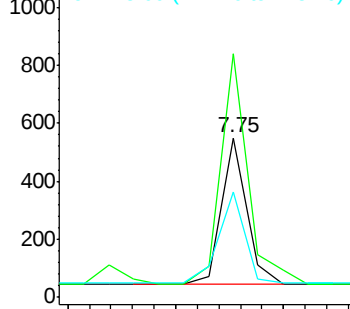
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.75 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Instrument :  
BNA\_E  
ClientSampled :

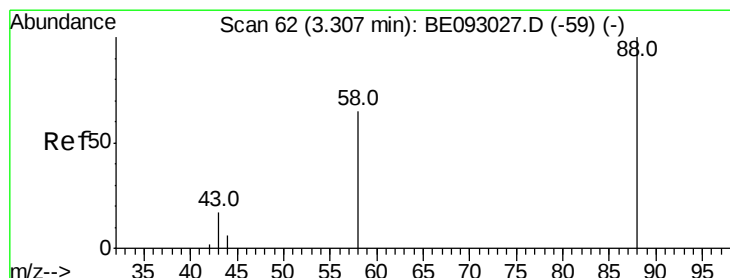
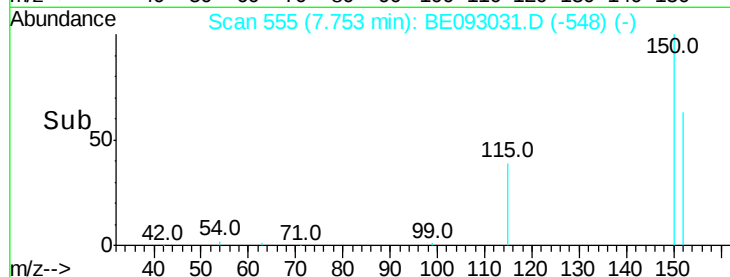
Tot Ion:152 Resp: 828  
Ion Ratio Lower Upper  
152 100  
150 152.5 125.1 187.7  
115 66.0 55.7 83.5



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



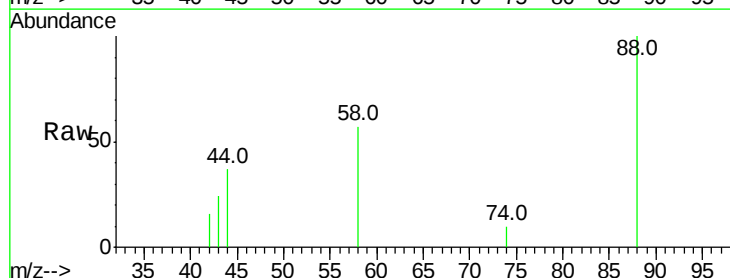
Time-->



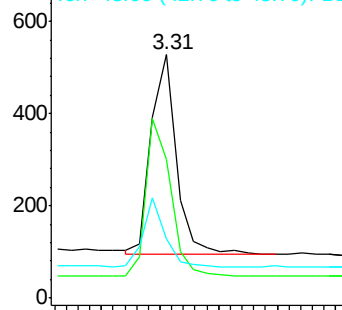
#2

1,4-Dioxane  
Concen: 0.39 ng  
RT: 3.31 min Scan# 62  
Delta R.T. -0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

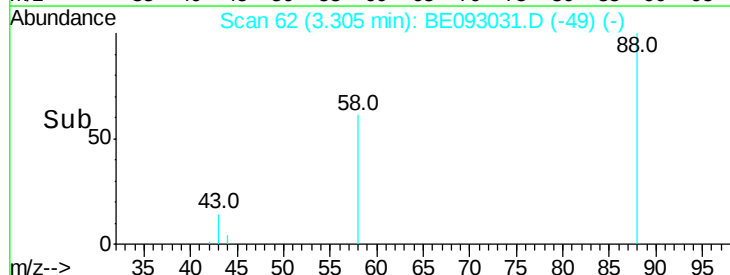
Tgt Ion: 88 Resp: 642  
Ion Ratio Lower Upper  
88 100  
58 76.8 62.2 93.4  
43 31.3 23.2 34.8

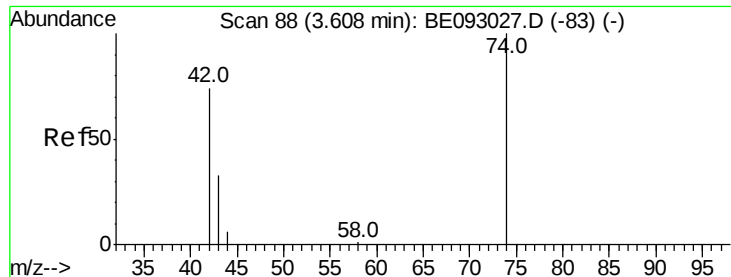


Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

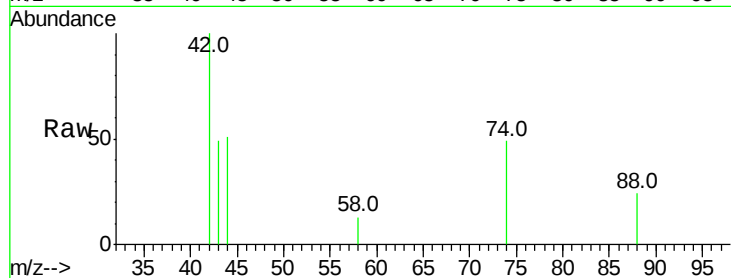
Tot Ion: 42 Resp: 586

Ion Ratio Lower Upper

42 100

74 127.5 99.1 148.7

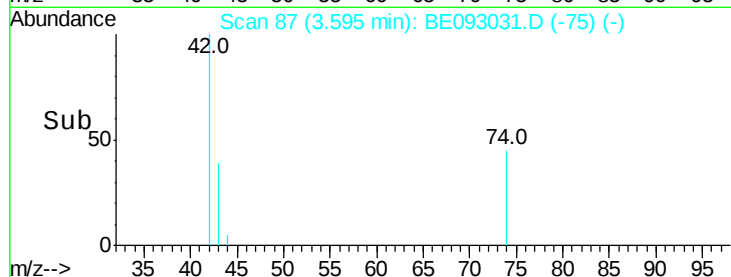
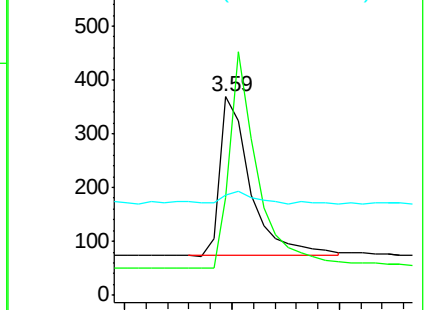
44 8.7 7.4 11.2



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: 0.39 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

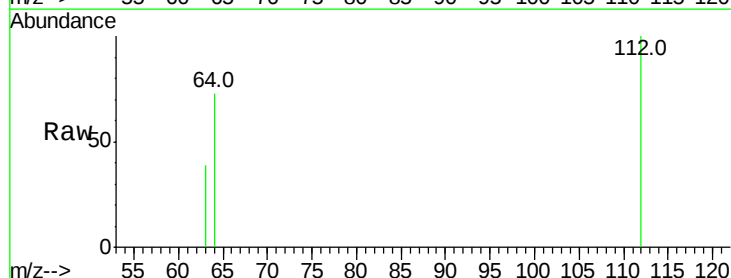
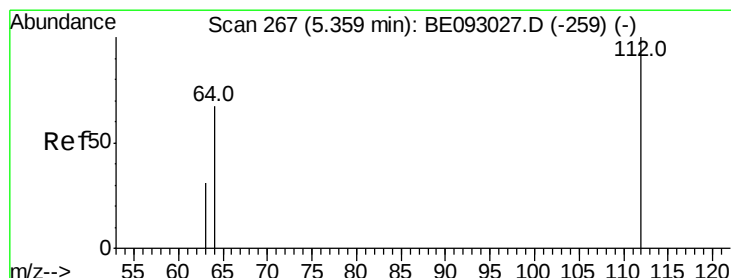
Tgt Ion: 112 Resp: 978

Ion Ratio Lower Upper

112 100

64 72.9 56.4 84.6

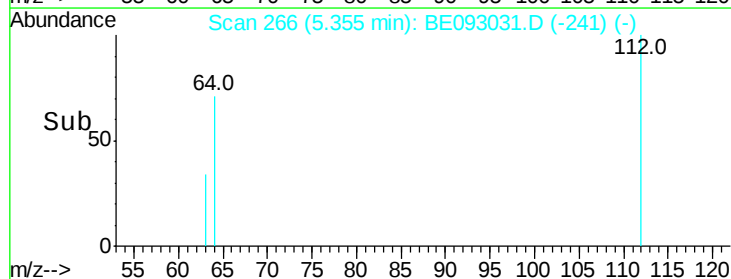
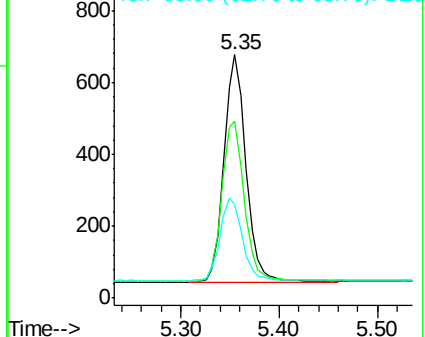
63 37.2 29.3 43.9

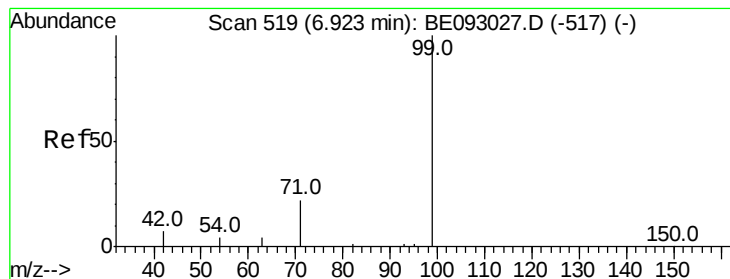


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.39 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

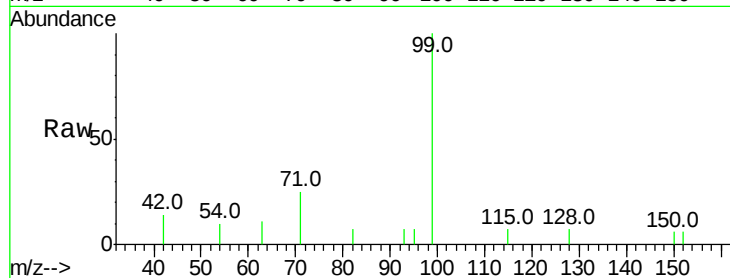
Tot Ion: 99 Resp: 1343

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

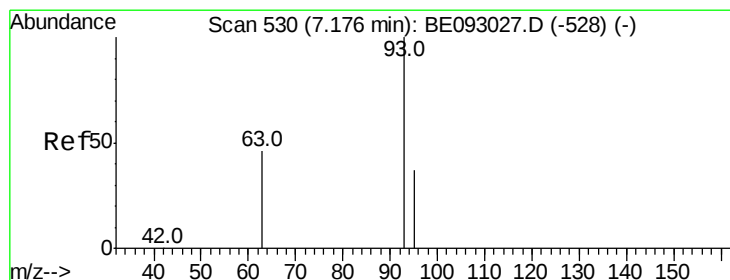
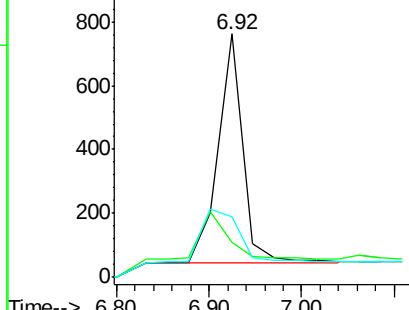
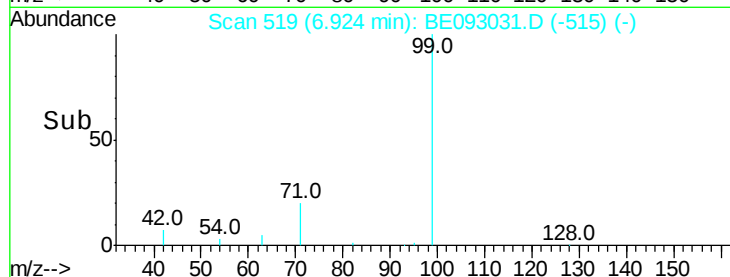
71 0.0 0.0 0.0



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: 0.40 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

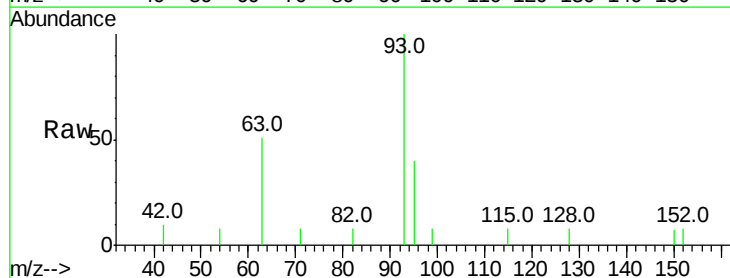
Tgt Ion: 93 Resp: 1111

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

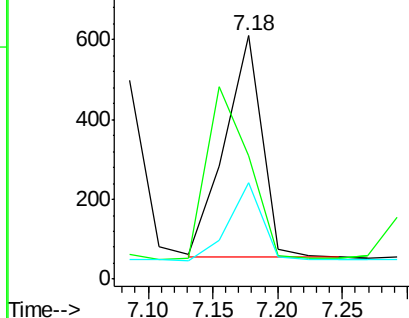
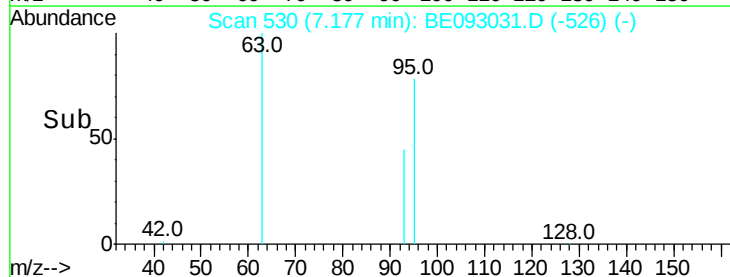
95 32.0 25.4 38.0

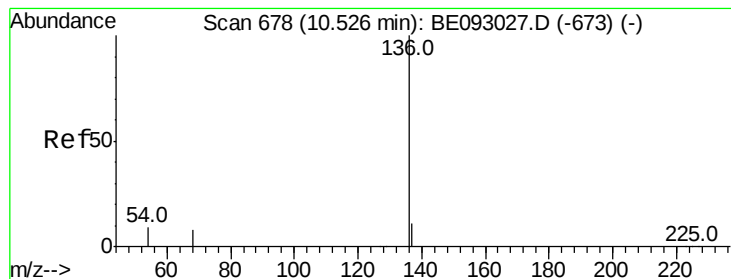


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 3511

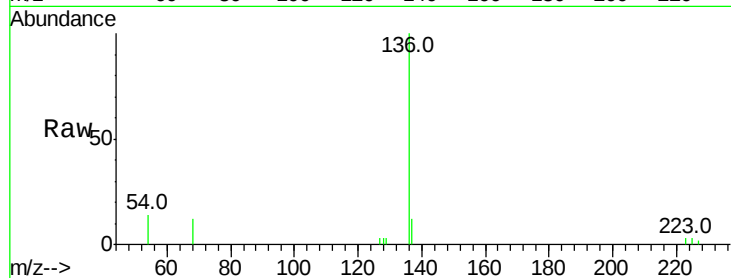
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 14.0 10.3 15.5

68 12.1 9.0 13.4

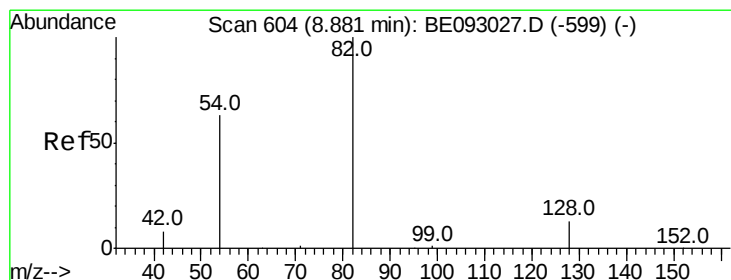
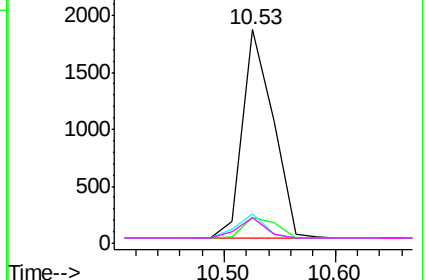
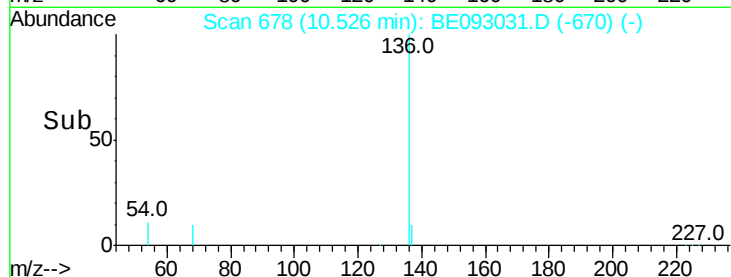


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

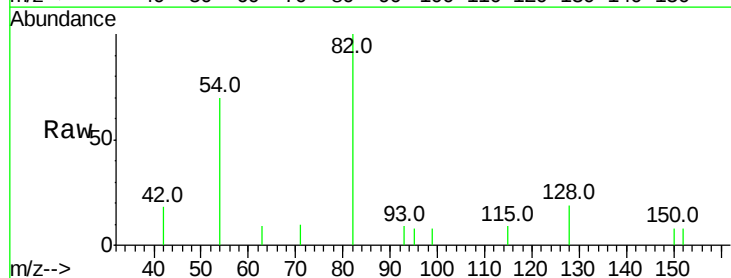
Tgt Ion: 82 Resp: 1189

Ion Ratio Lower Upper

82 100

128 19.4 17.0 25.4

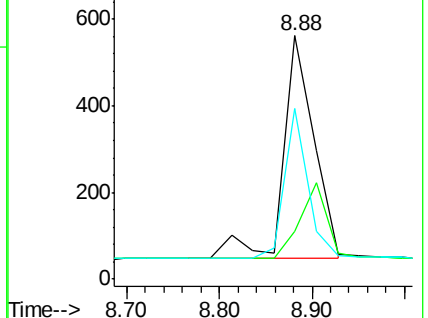
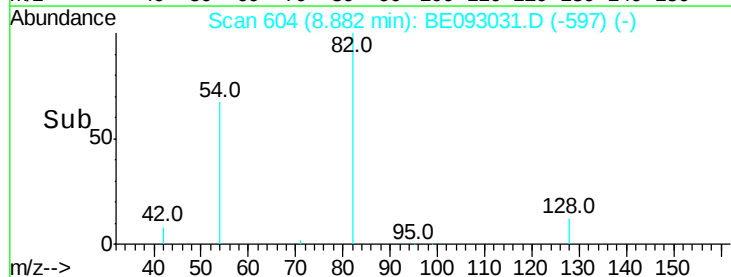
54 69.9 53.8 80.6

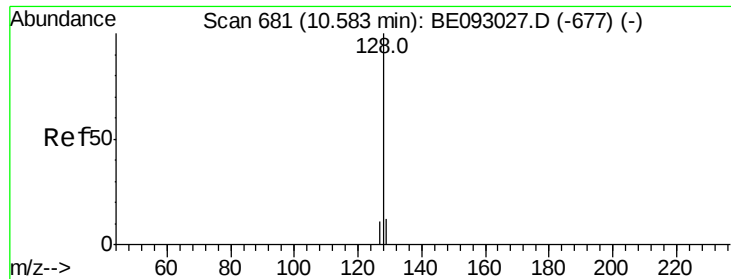


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.40 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

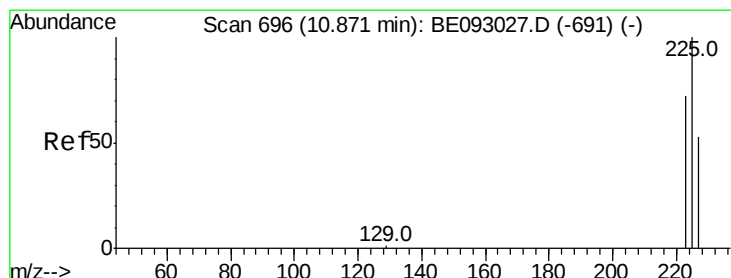
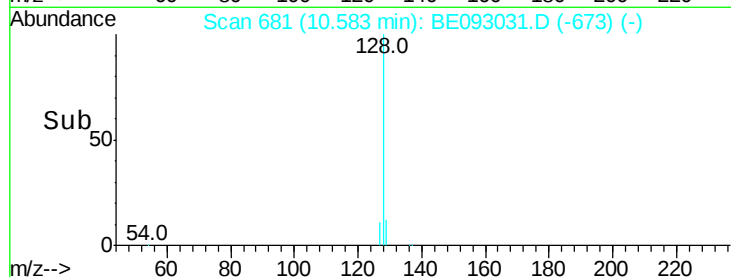
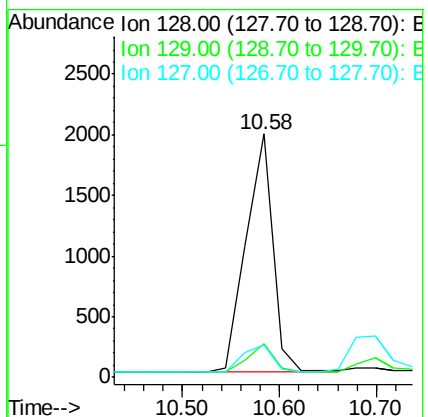
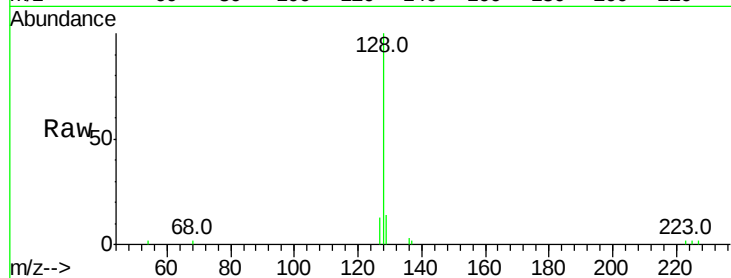
Tot Ion:128 Resp: 3714

Ion Ratio Lower Upper

128 100

129 13.7 11.4 17.0

127 13.4 11.2 16.8



#10

Hexachlorobutadiene

Concen: 0.40 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.02 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

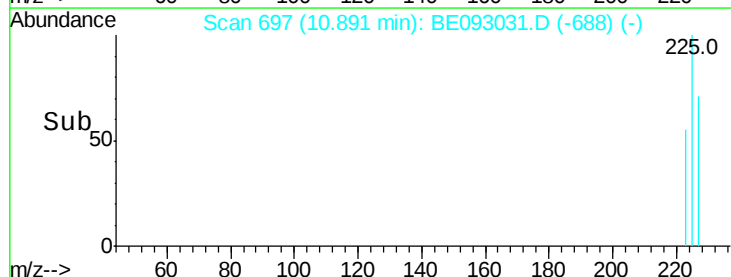
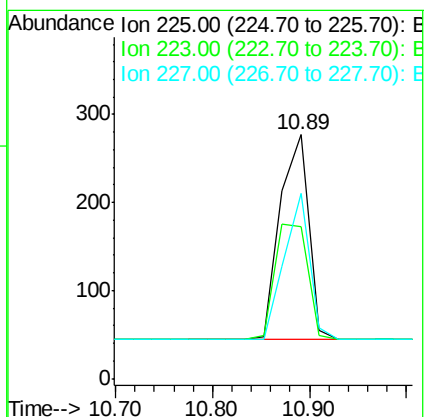
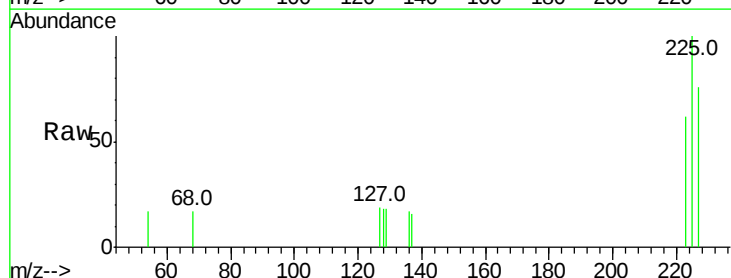
Tgt Ion:225 Resp: 483

Ion Ratio Lower Upper

225 100

223 63.6 49.7 74.5

227 62.7 50.3 75.5

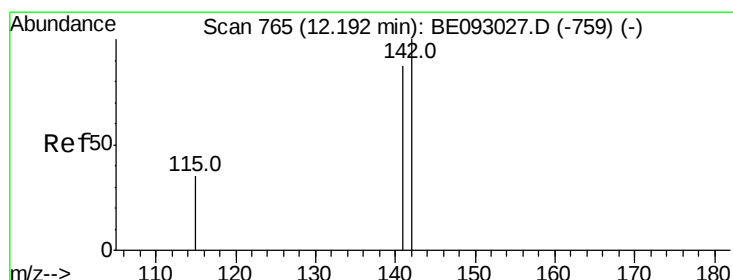
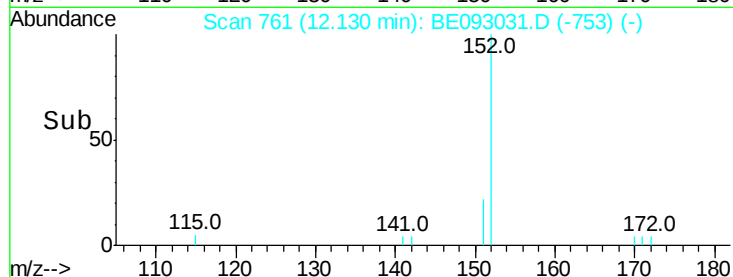
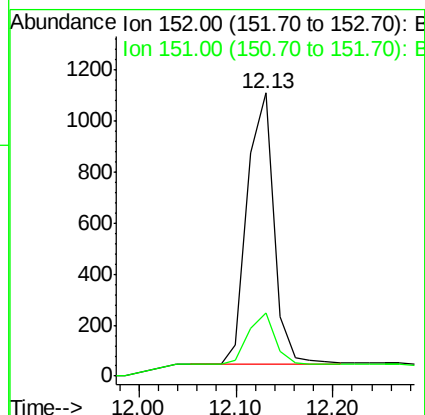
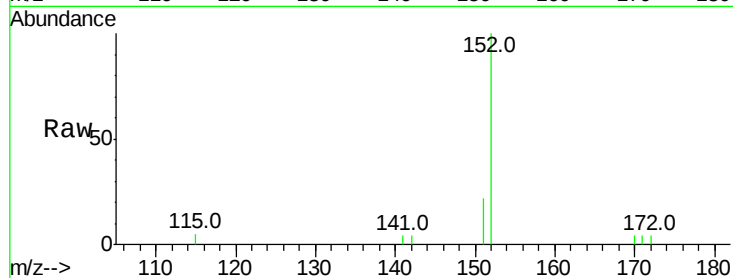




#11  
2-Methylnaphthalene-d10  
Concen: 0.40 ng  
RT: 12.13 min Scan# 761  
Delta R.T. 0.02 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

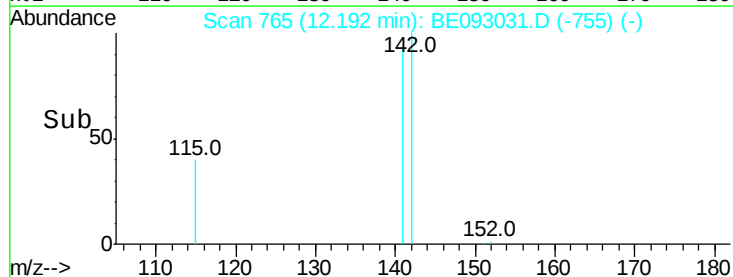
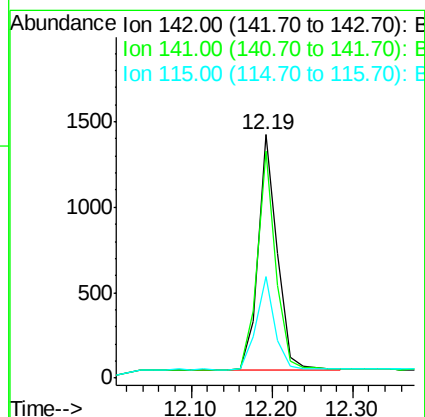
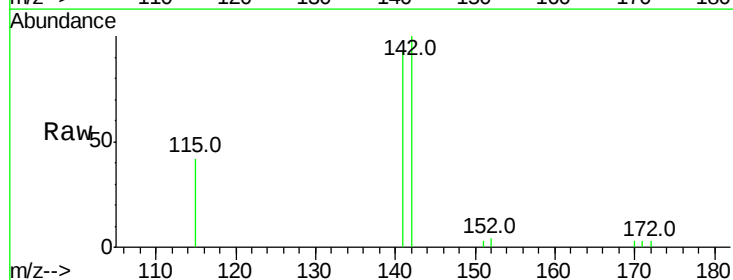
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 2059  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.1 22.7



#12  
2-Methylnaphthalene  
Concen: 0.40 ng  
RT: 12.19 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Tgt Ion:142 Resp: 2299  
Ion Ratio Lower Upper  
142 100  
141 93.0 72.6 108.8  
115 41.8 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

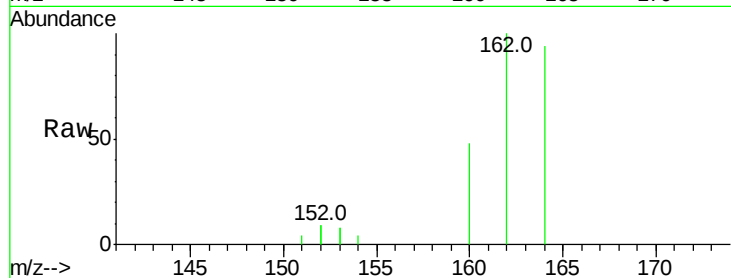
Tot Ion:164 Resp: 1722

Ion Ratio Lower Upper

164 100

162 105.9 84.6 127.0

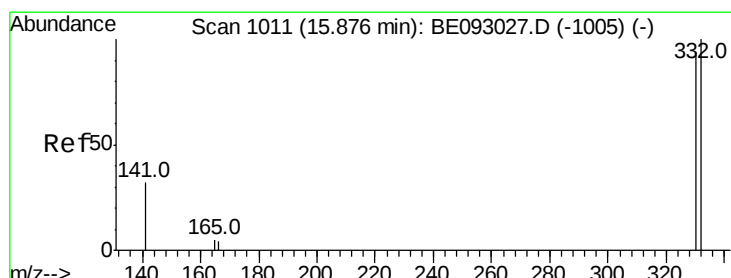
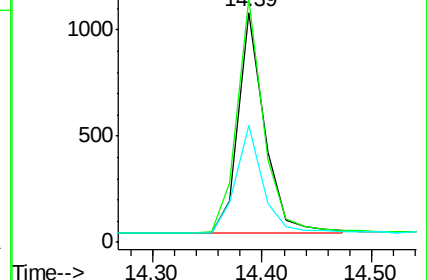
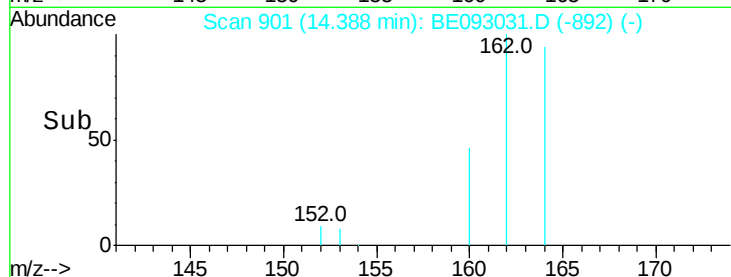
160 51.0 41.8 62.6



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: 0.36 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

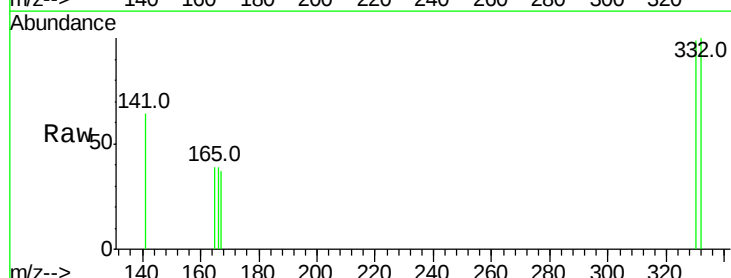
Tgt Ion:330 Resp: 184

Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

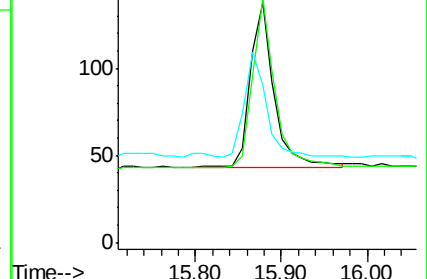
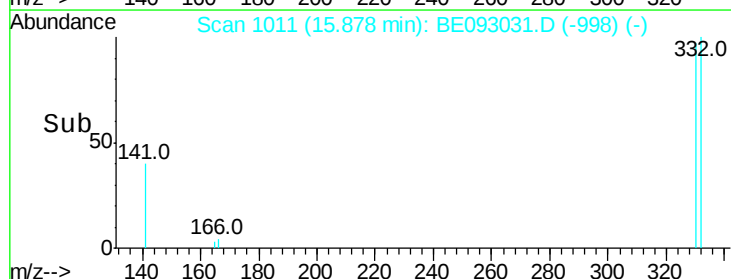
141 58.7 56.2 84.4

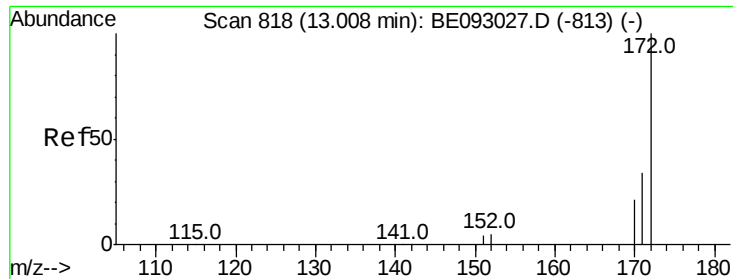


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

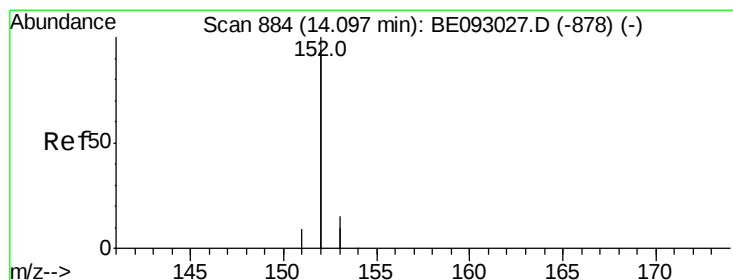
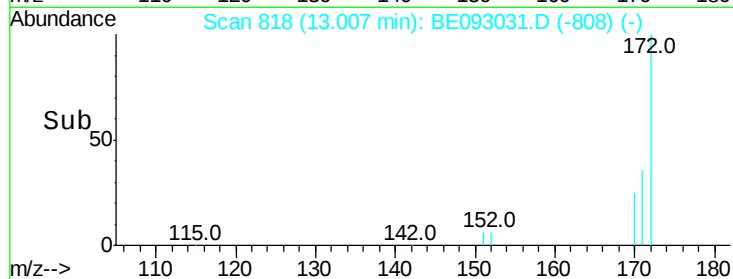
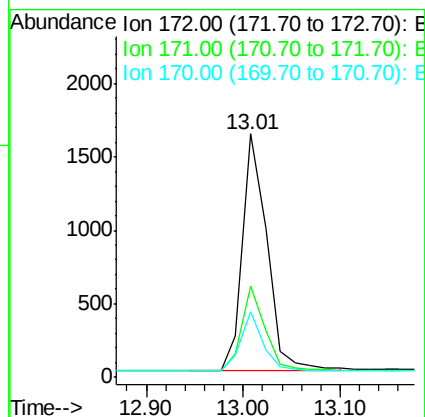
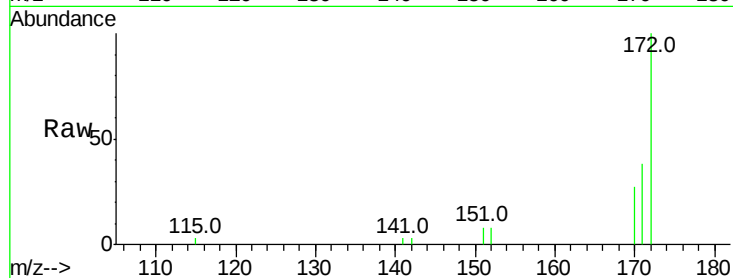




#15  
2-Fluorobiphenyl  
Concen: 0.40 ng  
RT: 13.01 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

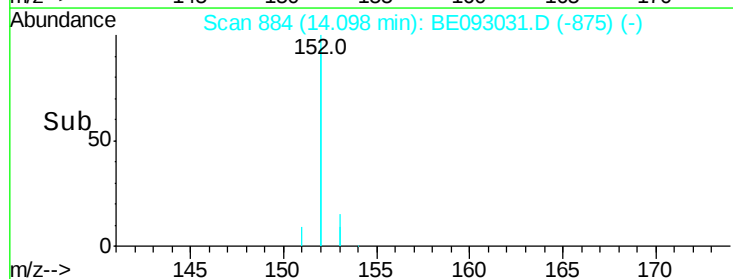
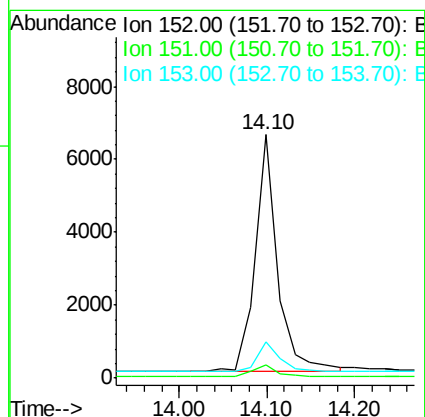
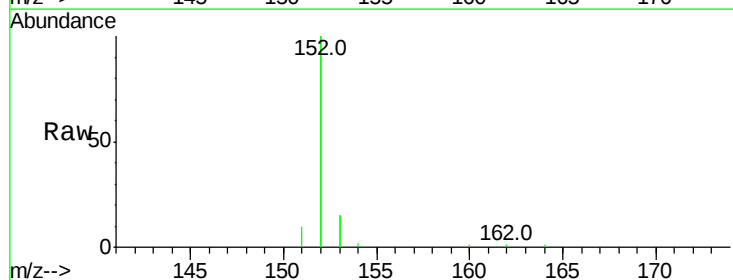
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 2851  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.8 44.6  
170 26.9 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.38 ng  
RT: 14.10 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Tgt Ion:152 Resp: 11524  
Ion Ratio Lower Upper  
152 100  
151 4.9 4.0 6.0  
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 0.40 ng

RT: 14.46 min Scan# 905

Delta R.T. 0.02 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

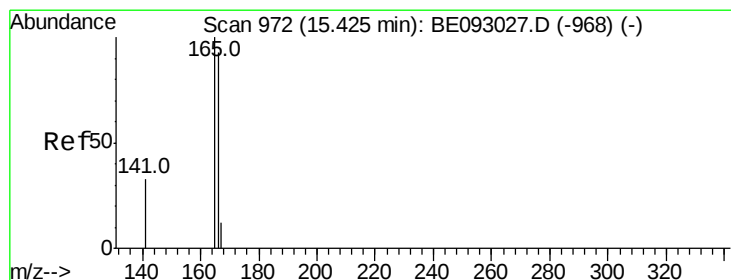
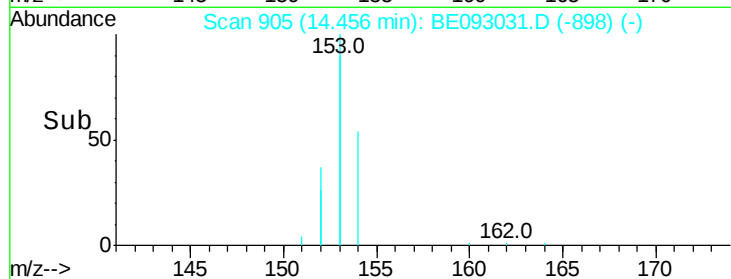
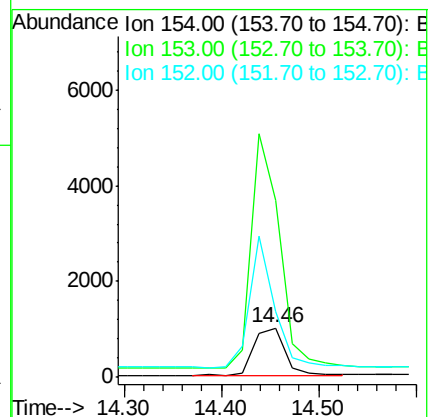
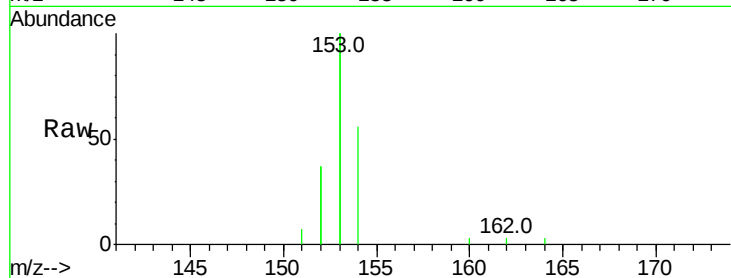
Tot Ion:154 Resp: 2178

Ion Ratio Lower Upper

154 100

153 454.0 367.8 551.6

152 223.6 188.2 282.2



#18

Fluorene

Concen: 0.39 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

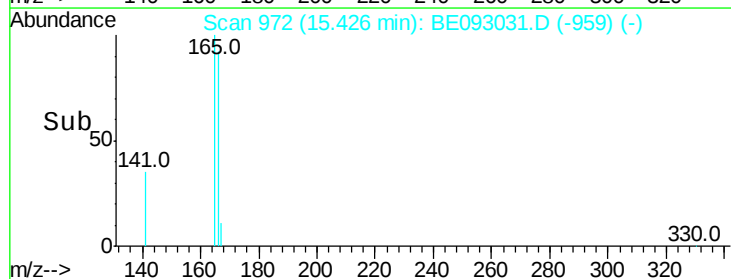
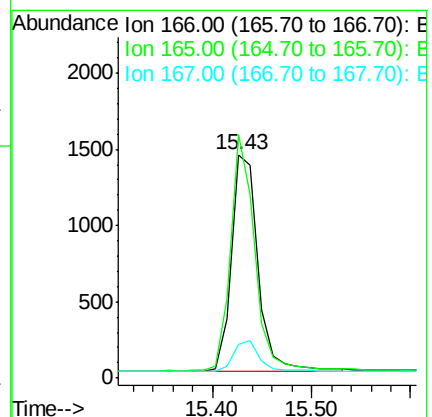
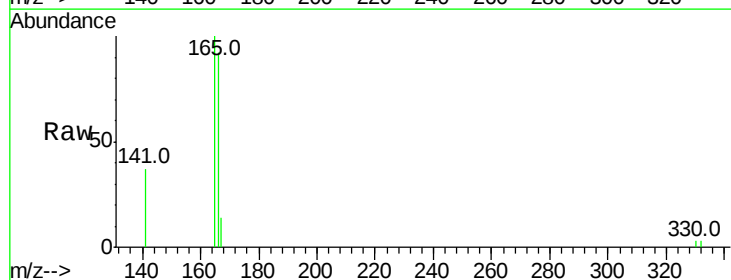
Tgt Ion:166 Resp: 2621

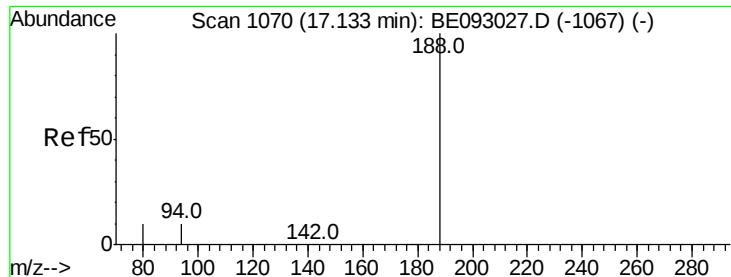
Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

167 13.8 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

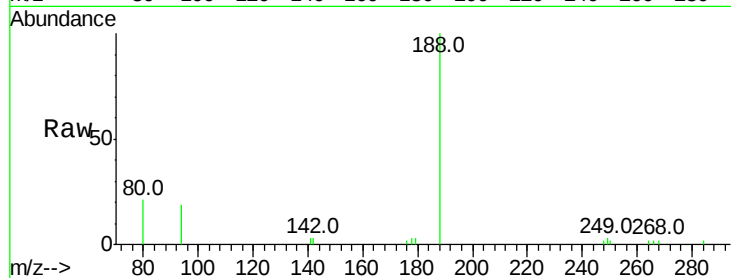
Tot Ion:188 Resp: 4162

Ion Ratio Lower Upper

188 100

94 19.0 11.3 16.9#

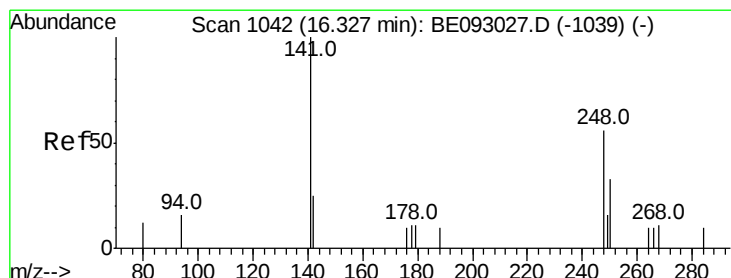
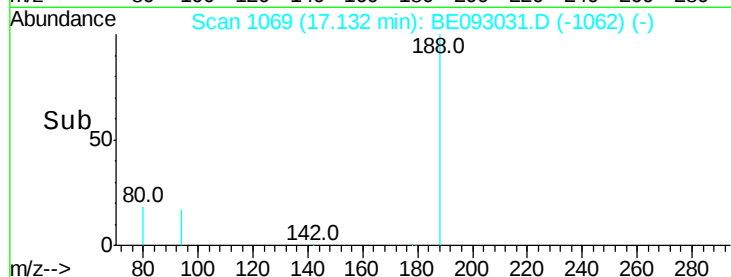
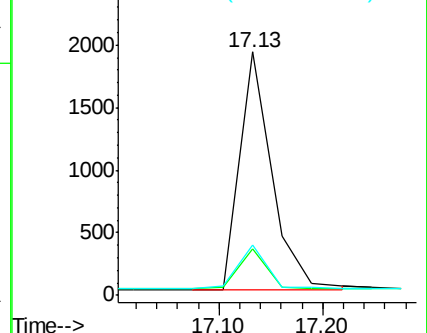
80 20.7 11.7 17.5#



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: 0.42 ng

RT: 16.36 min Scan# 1042

Delta R.T. 0.03 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

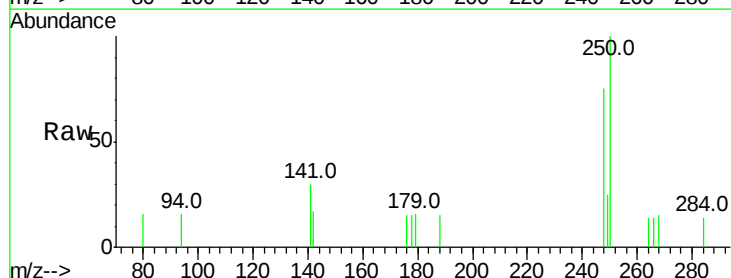
Tgt Ion:248 Resp: 537

Ion Ratio Lower Upper

248 100

250 134.2 100.0 150.0

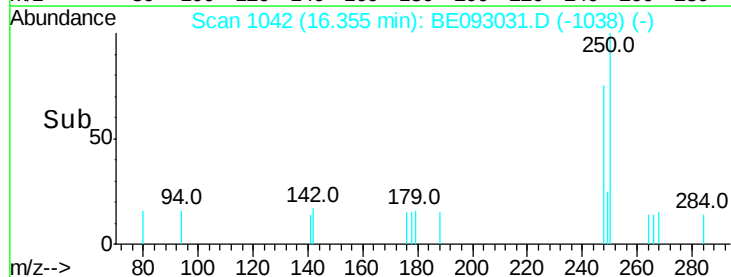
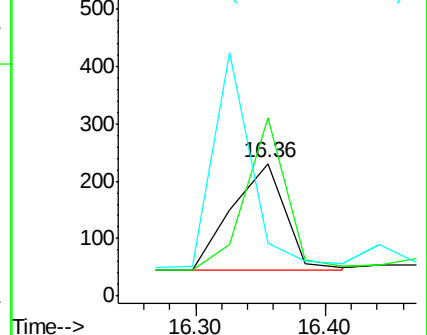
141 40.3 40.0 60.0



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

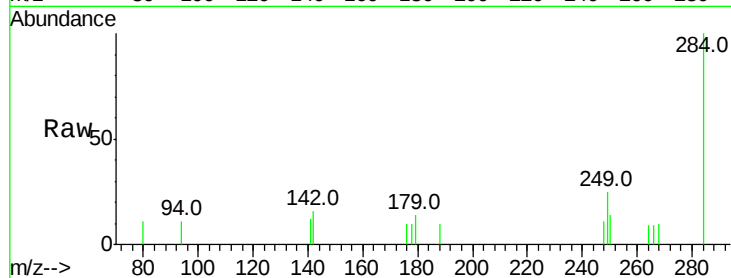




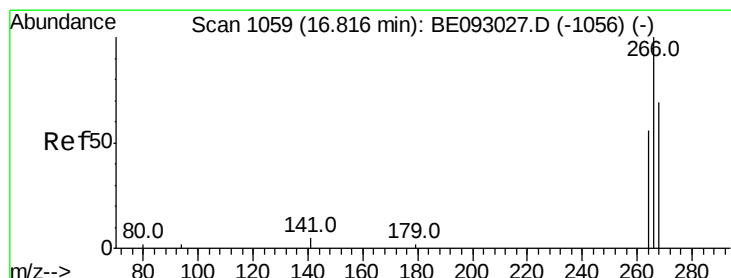
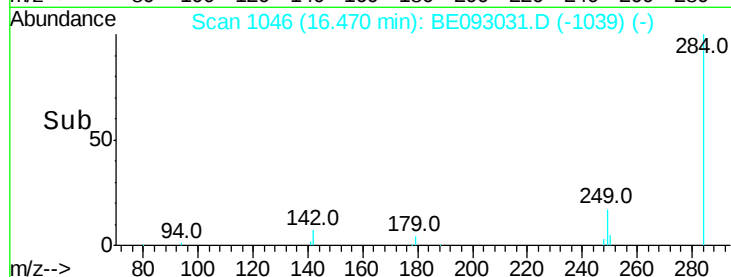
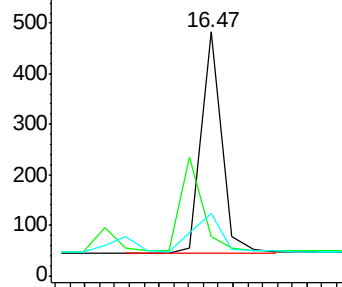
#21  
Hexachlorobenzene  
Concen: 0.48 ng  
RT: 16.47 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:284 Resp: 860  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 23.7 0.0 0.0#

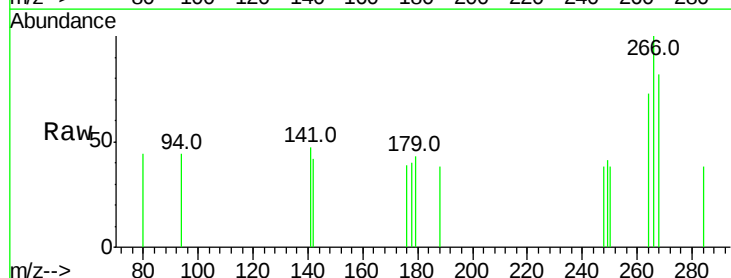


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

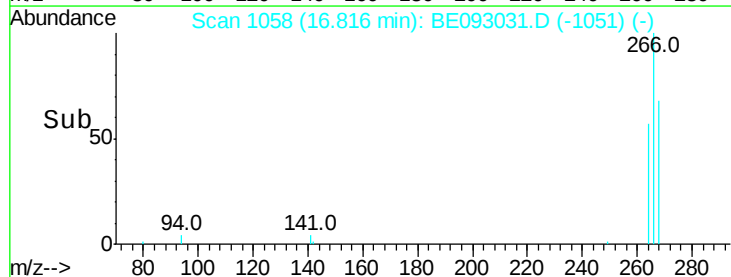
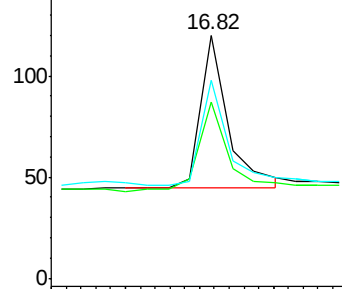


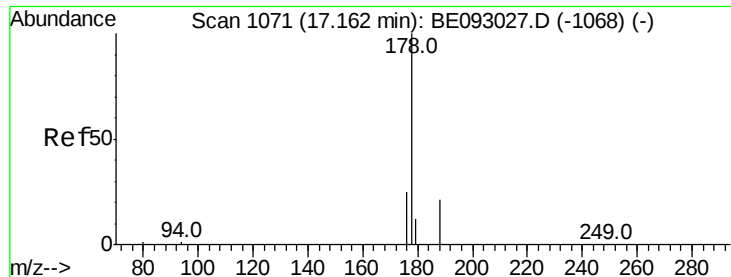
#22  
Pentachlorophenol  
Concen: 0.38 ng  
RT: 16.82 min Scan# 1058  
Delta R.T. -0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Tgt Ion:266 Resp: 190  
Ion Ratio Lower Upper  
266 100  
264 72.5 58.2 87.2  
268 81.7 71.9 107.9



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: 0.46 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampled :

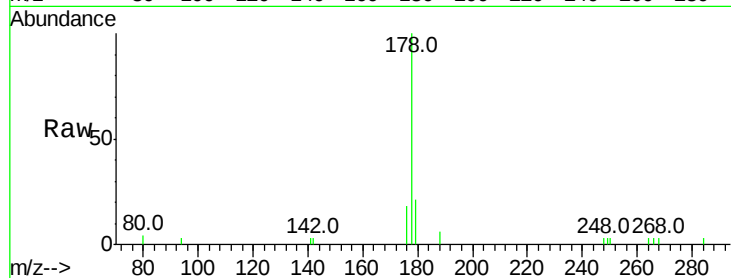
Tot Ion:178 Resp: 3943

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

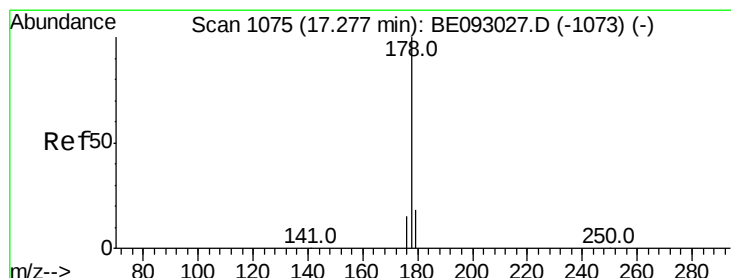
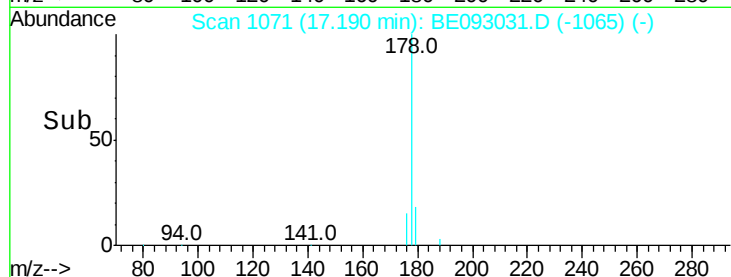
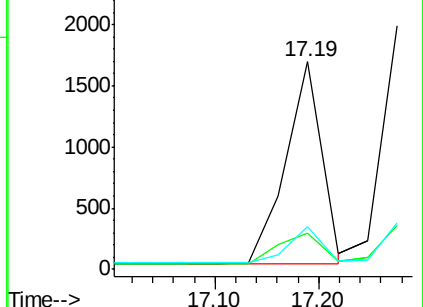
179 16.6 12.7 19.1



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: 0.46 ng

RT: 17.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

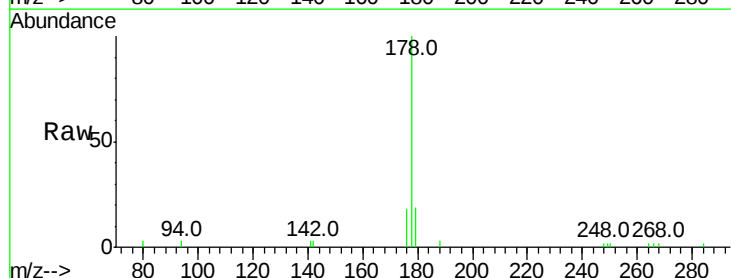
Tgt Ion:178 Resp: 3870

Ion Ratio Lower Upper

178 100

176 17.2 14.6 22.0

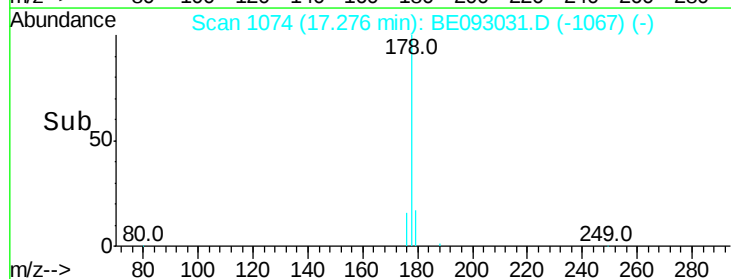
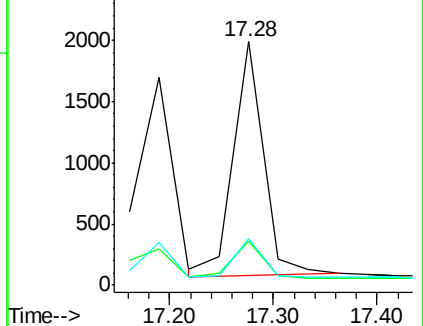
179 16.7 12.0 18.0

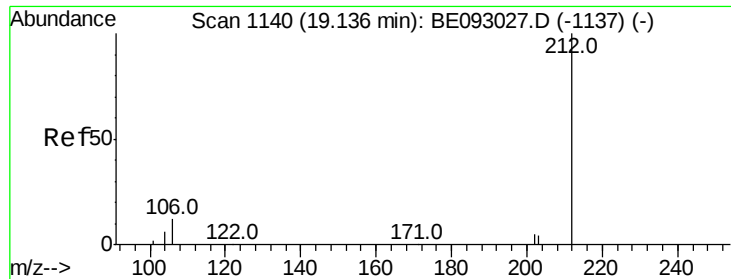


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.39 ng

RT: 19.14 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

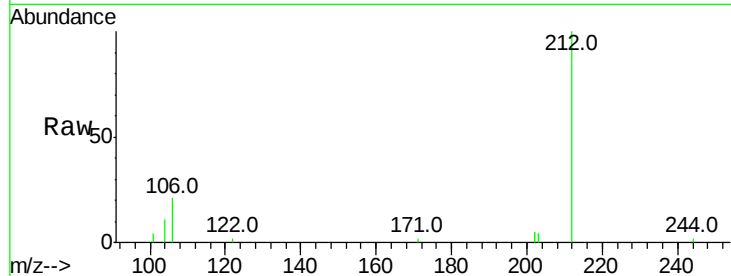
Tot Ion:212 Resp: 4234

Ion Ratio Lower Upper

212 100

106 17.1 0.0 0.0#

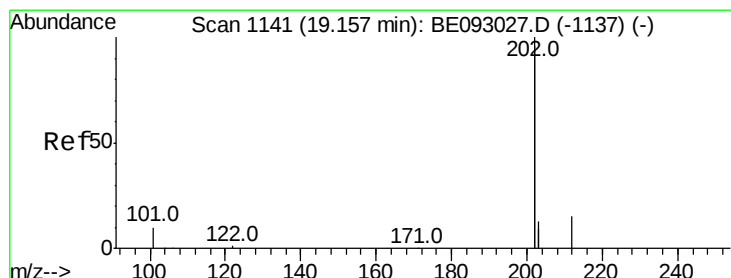
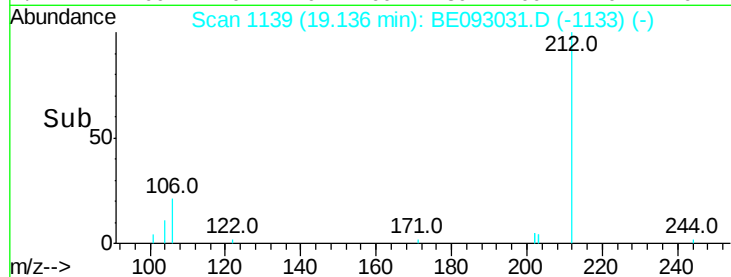
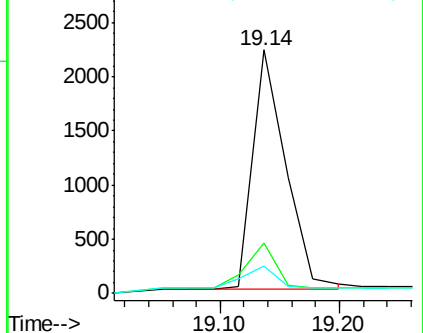
104 9.0 0.0 0.0#



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: 0.41 ng

RT: 19.18 min Scan# 1141

Delta R.T. 0.02 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

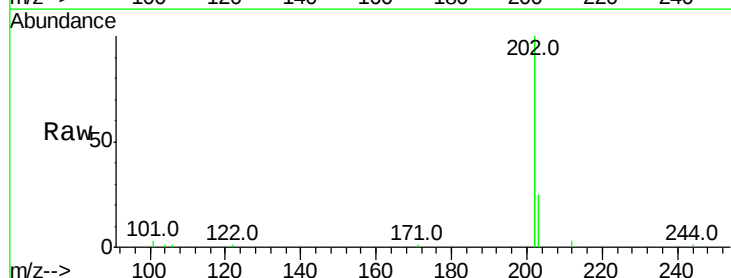
Tgt Ion:202 Resp: 20847

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

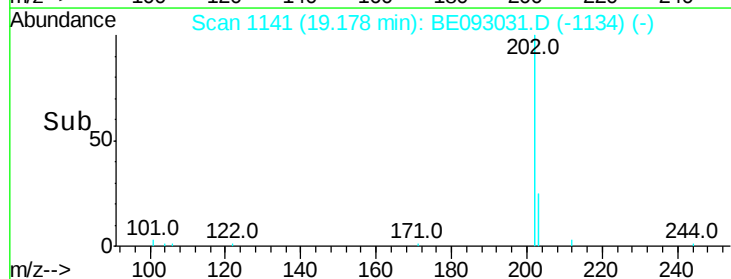
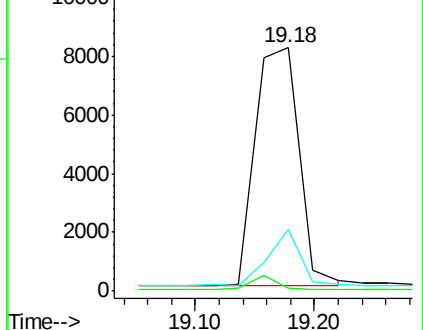
203 17.5 14.4 21.6

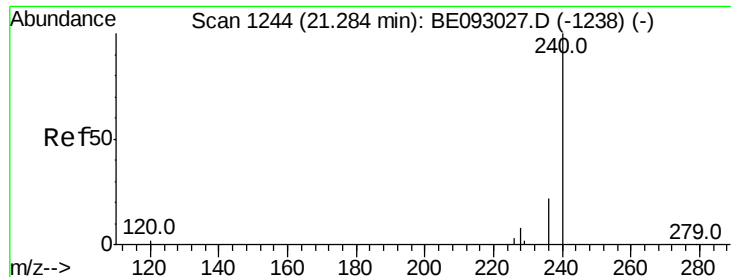


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

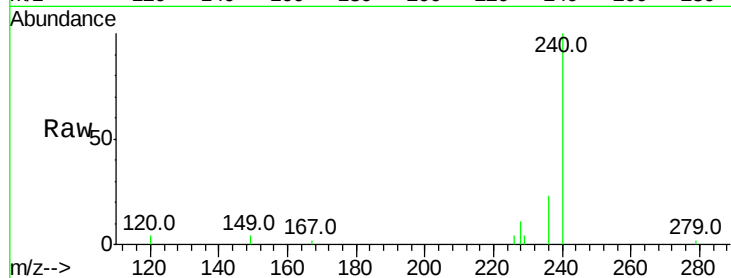
Tot Ion:240 Resp: 4476

Ion Ratio Lower Upper

240 100

120 4.3 4.6 7.0#

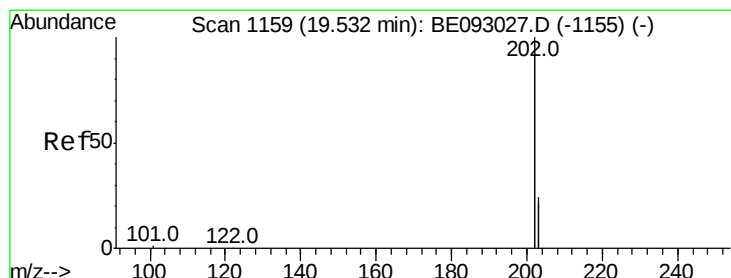
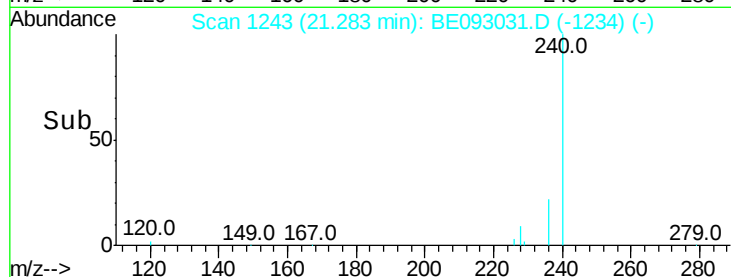
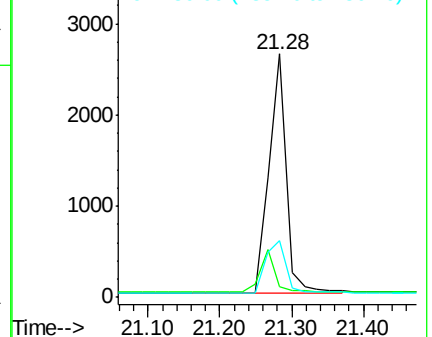
236 23.5 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.40 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

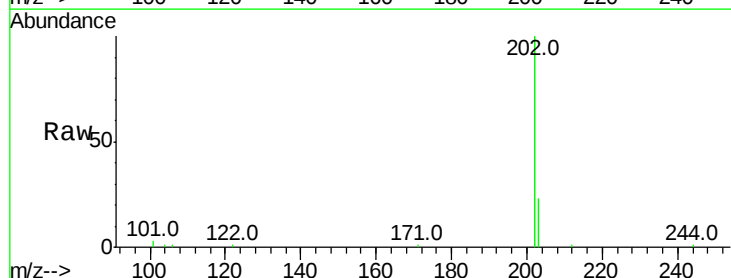
Tgt Ion:202 Resp: 21734

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

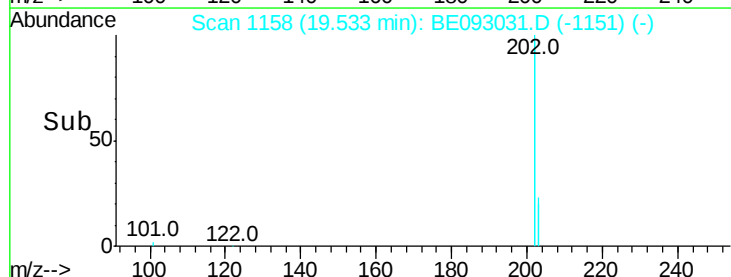
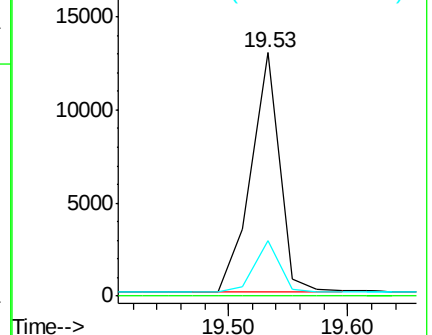
203 19.2 13.7 20.5

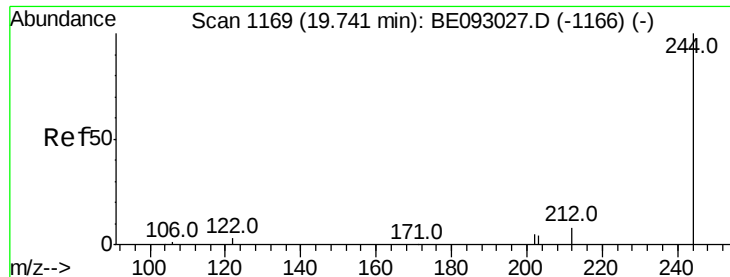


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.40 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

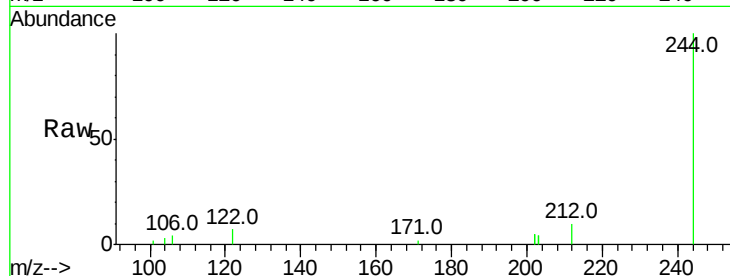
Tot Ion:244 Resp: 3333

Ion Ratio Lower Upper

244 100

212 10.4 10.6 16.0#

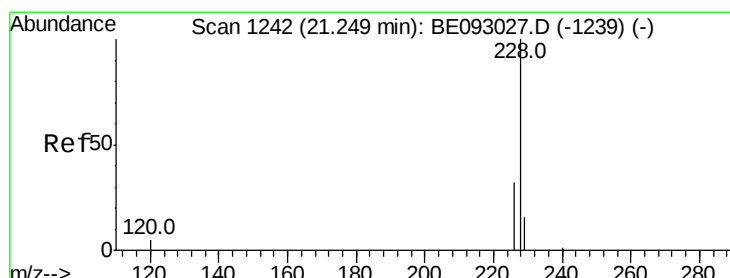
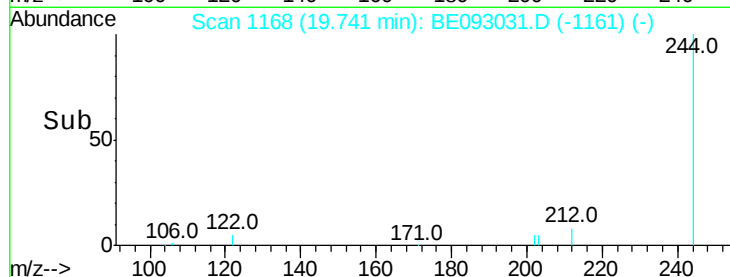
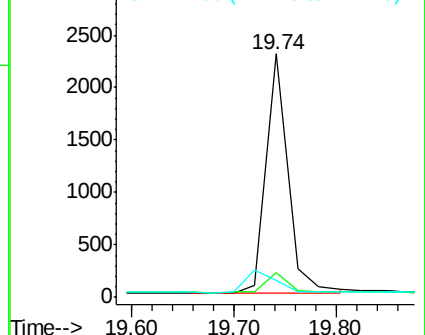
122 6.8 15.4 23.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.36 ng

RT: 21.32 min Scan# 1245

Delta R.T. 0.07 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

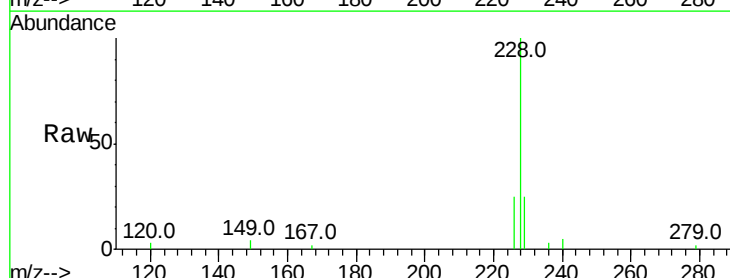
Tgt Ion:228 Resp: 4404

Ion Ratio Lower Upper

228 100

226 25.2 19.7 29.5

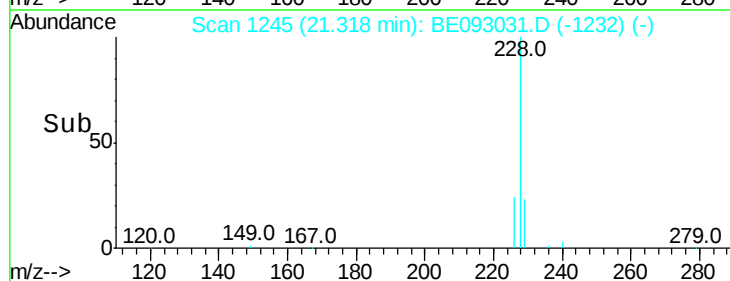
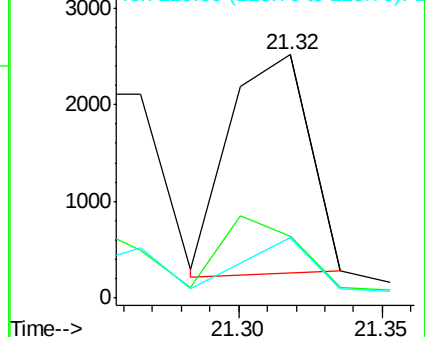
229 24.8 19.2 28.8

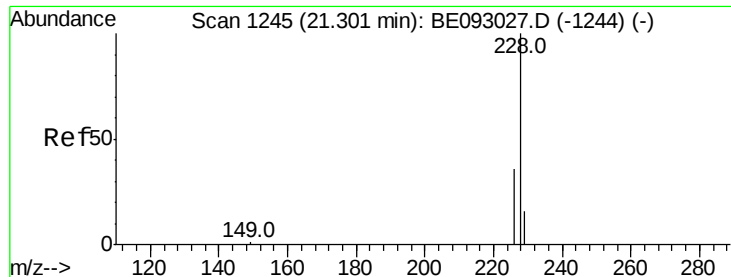


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.40 ng

RT: 21.32 min Scan# 1245

Delta R.T. 0.02 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

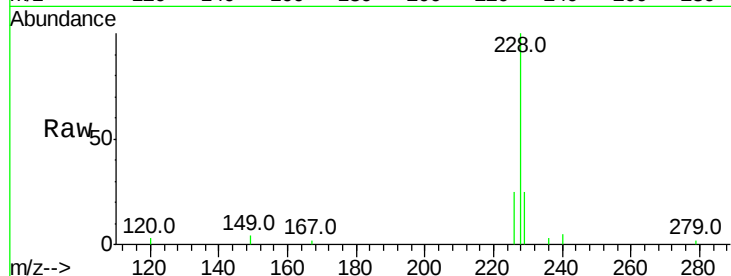
Tot Ion:228 Resp: 5186

Ion Ratio Lower Upper

228 100

226 25.2 21.5 32.3

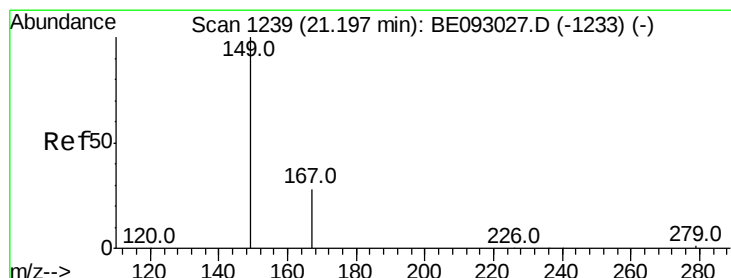
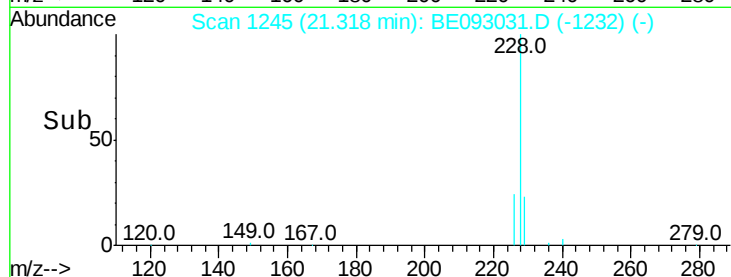
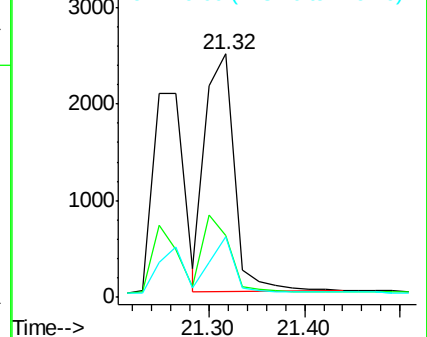
229 24.8 18.6 28.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

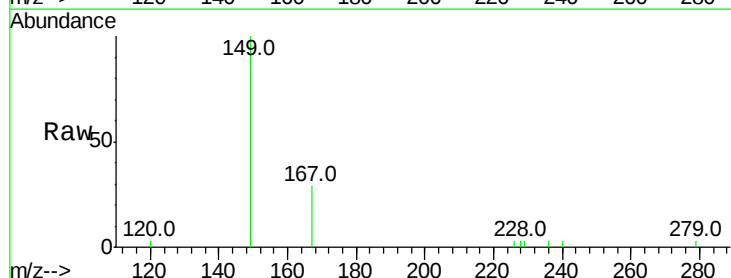
Tgt Ion:149 Resp: 1971

Ion Ratio Lower Upper

149 100

167 26.8 20.1 30.1

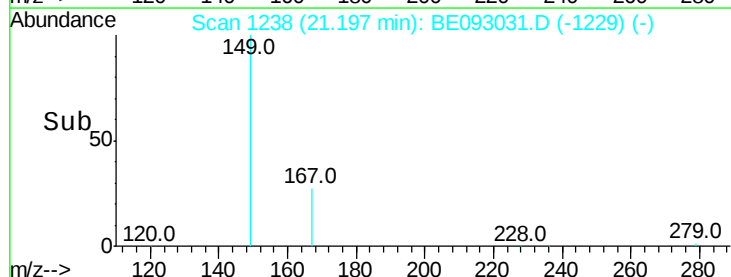
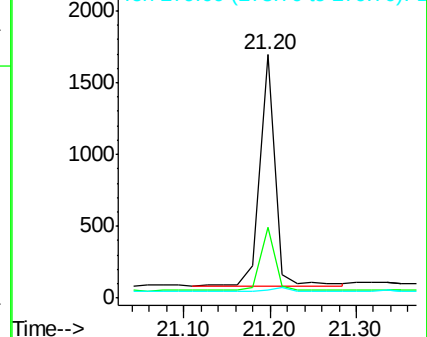
279 2.4 2.2 3.4

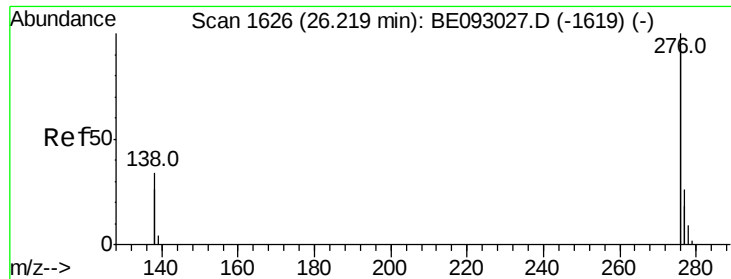


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.42 ng

RT: 26.24 min Scan# 1626

Delta R.T. 0.02 min

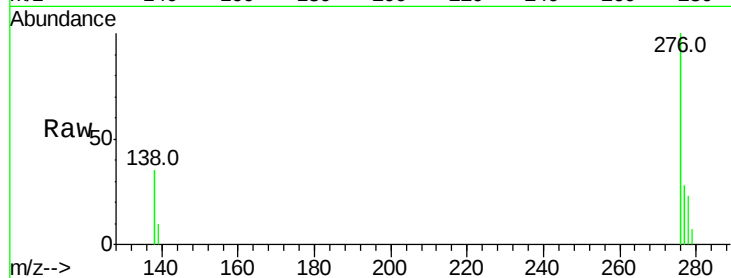
Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :



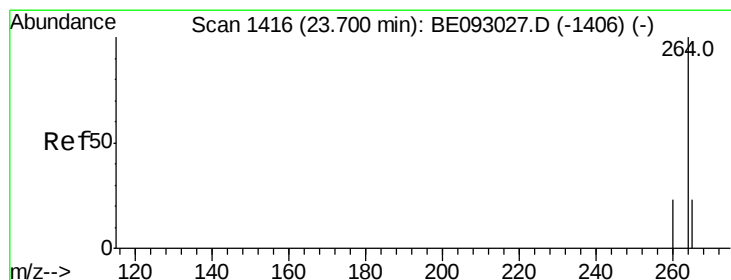
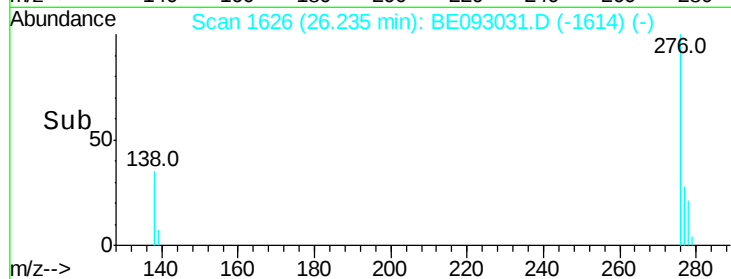
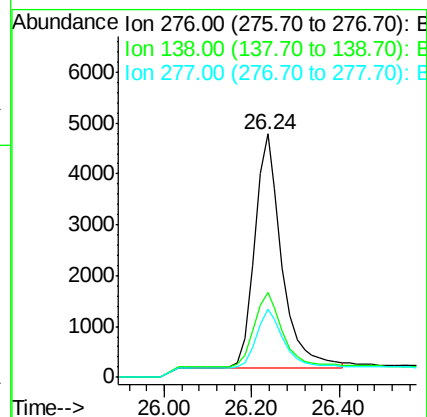
Tot Ion:276 Resp: 19811

Ion Ratio Lower Upper

276 100

138 33.8 27.4 41.2

277 25.1 20.1 30.1



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

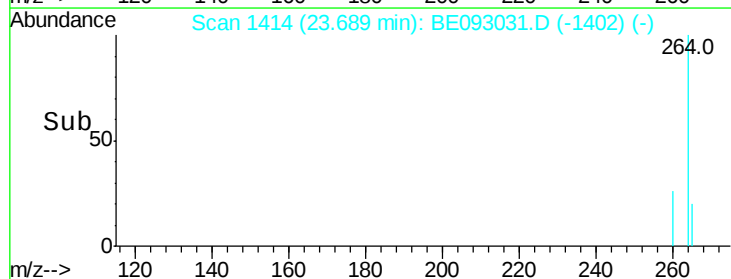
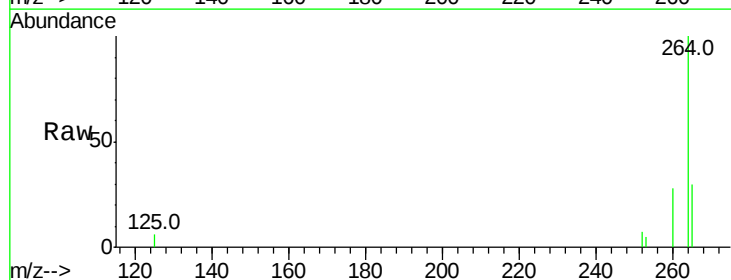
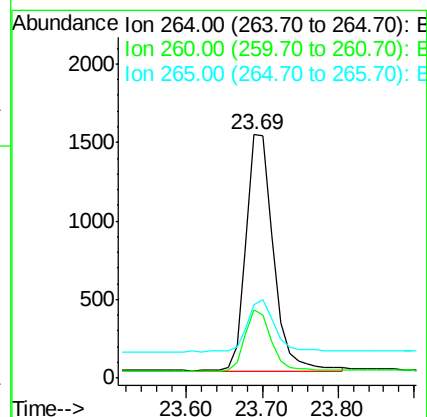
Tgt Ion:264 Resp: 3767

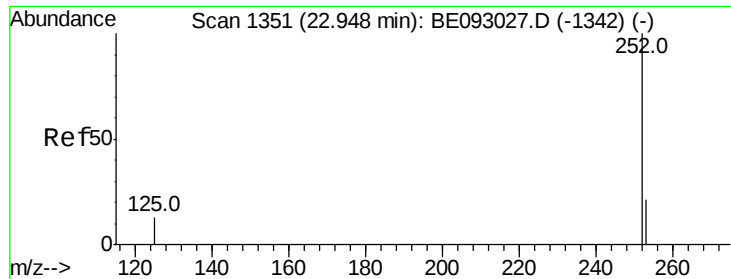
Ion Ratio Lower Upper

264 100

260 28.2 21.0 31.4

265 30.3 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :

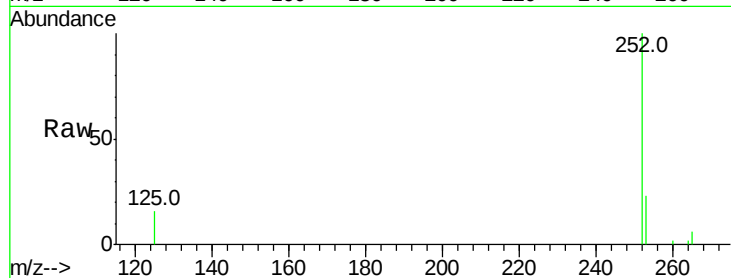
Tot Ion:252 Resp: 4689

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

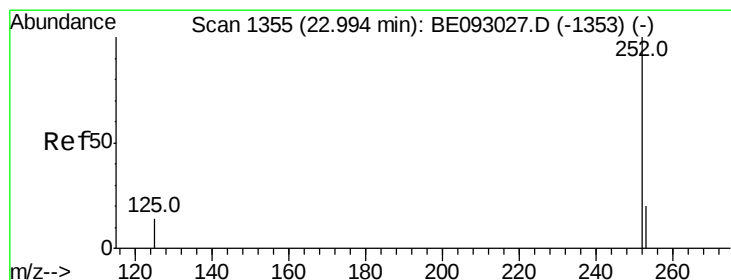
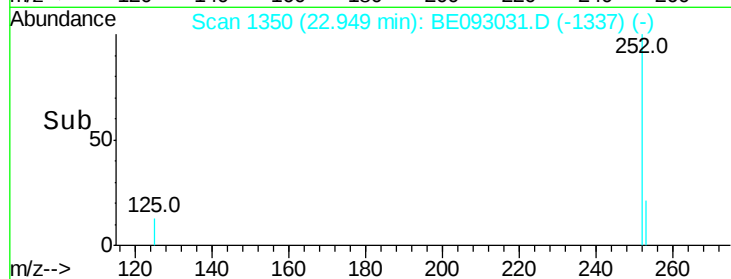
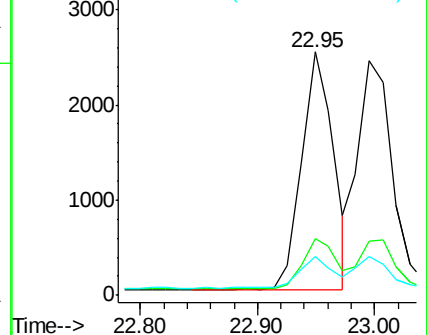
125 15.9 13.4 20.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.41 ng

RT: 23.00 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BE093031.D

Acq: 15 May 2017 12:59

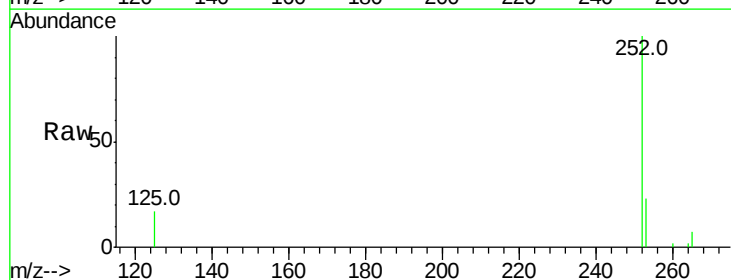
Tgt Ion:252 Resp: 4860

Ion Ratio Lower Upper

252 100

253 23.0 20.3 30.5

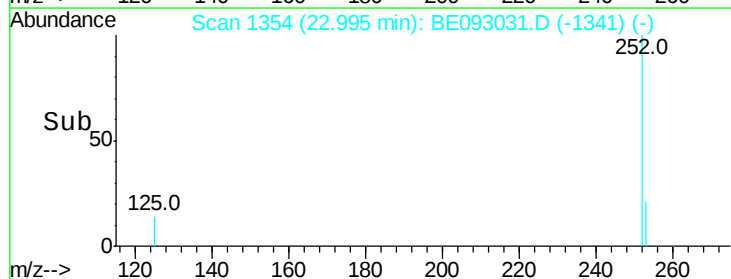
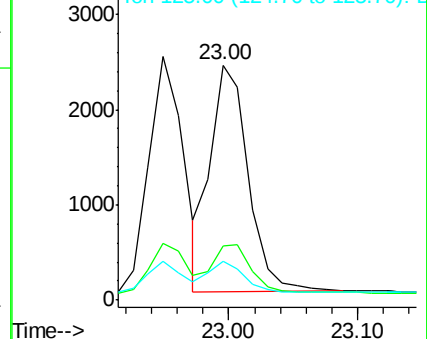
125 16.7 12.2 18.4

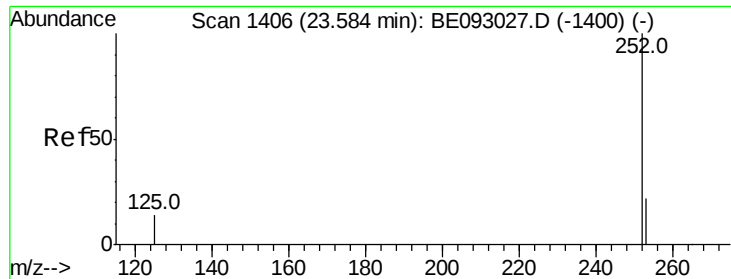


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

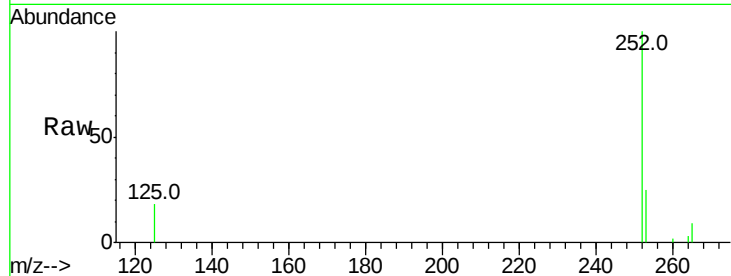




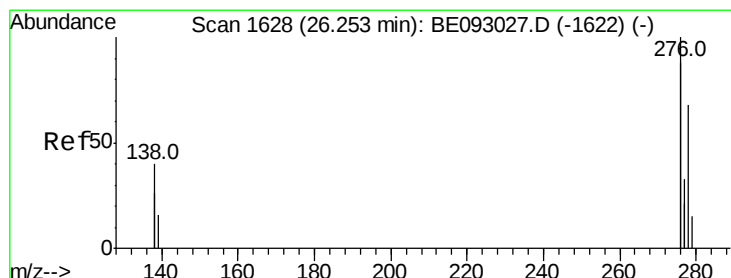
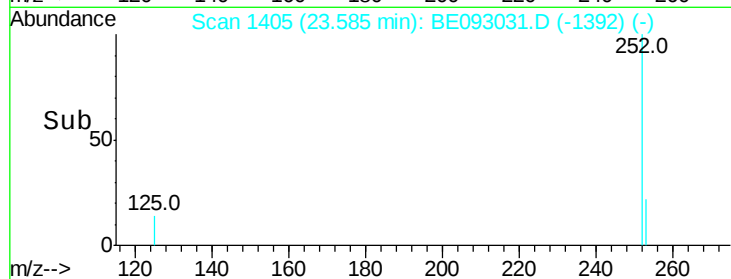
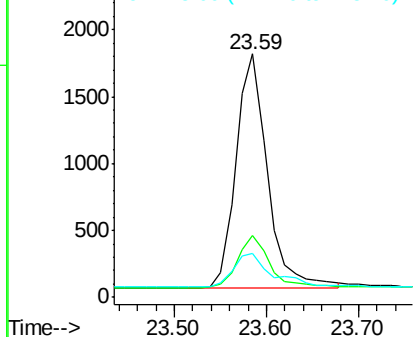
#37  
Benzo(a)pyrene  
Concen: 0.38 ng  
RT: 23.59 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 4162  
Ion Ratio Lower Upper  
252 100  
253 25.2 19.9 29.9  
125 17.8 14.6 21.8

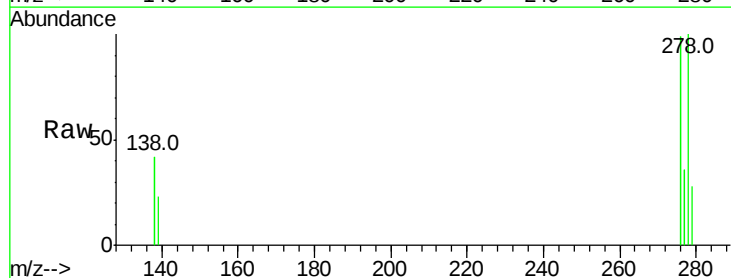


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

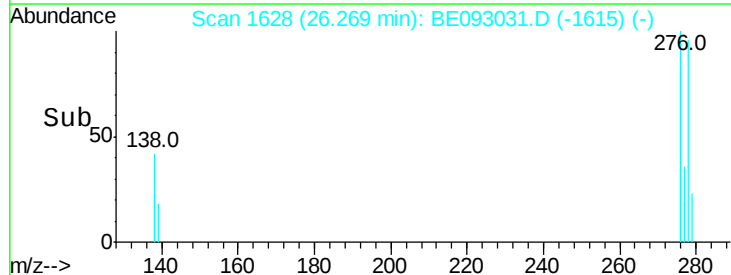
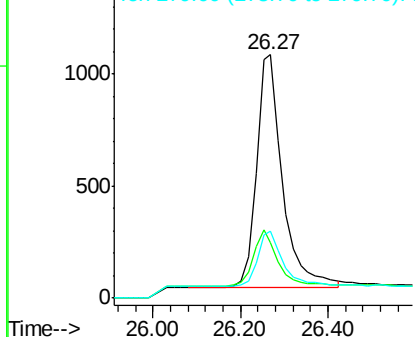


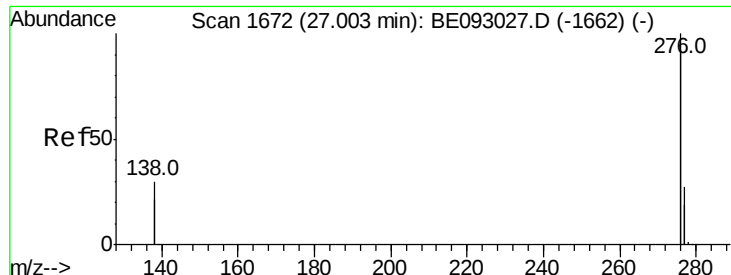
#38  
Dibenzo(a,h)anthracene  
Concen: 0.43 ng  
RT: 26.27 min Scan# 1628  
Delta R.T. 0.02 min  
Lab File: BE093031.D  
Acq: 15 May 2017 12:59

Tgt Ion:278 Resp: 4323  
Ion Ratio Lower Upper  
278 100  
139 22.7 21.4 32.0  
279 27.7 22.2 33.2



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: 0.40 ng

RT: 27.00 min Scan# 1671

Delta R.T. -0.00 min

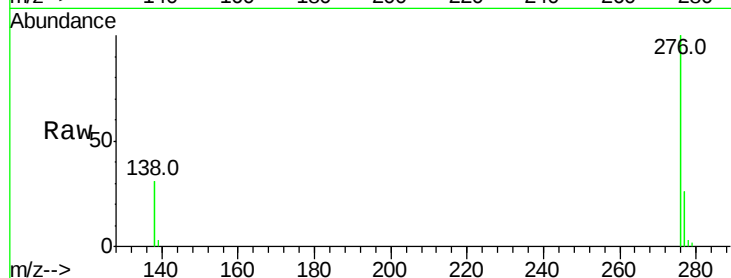
Lab File: BE093031.D

Acq: 15 May 2017 12:59

Instrument :

BNA\_E

ClientSampleId :



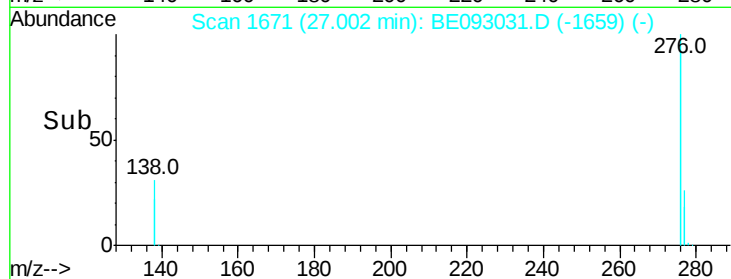
Tot Ion:276 Resp: 17824

Ion Ratio Lower Upper

276 100

277 26.2 21.2 31.8

138 30.5 24.5 36.7



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

