

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032919\  
 Data File : BE099263.D  
 Acq On : 29 Mar 2019 20:14  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Mar 29 22:57:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 3957     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.63 | 136  | 17628    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 13109    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.20 | 188  | 33944    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.38 | 240  | 40949    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 41809    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.40  | 112  | 5244     | 0.44 | ng    | -0.01    |
| 5) Phenol-d6                | 6.99  | 99   | 8068     | 0.45 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 7199     | 0.50 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 14936    | 0.44 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 2618     | 0.58 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 23025    | 0.43 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.23 | 212  | 192174   | 0.47 | ng    | -0.01    |
| 29) Terphenyl-d14           | 19.83 | 244  | 38565    | 0.43 | ng    | 0.00     |

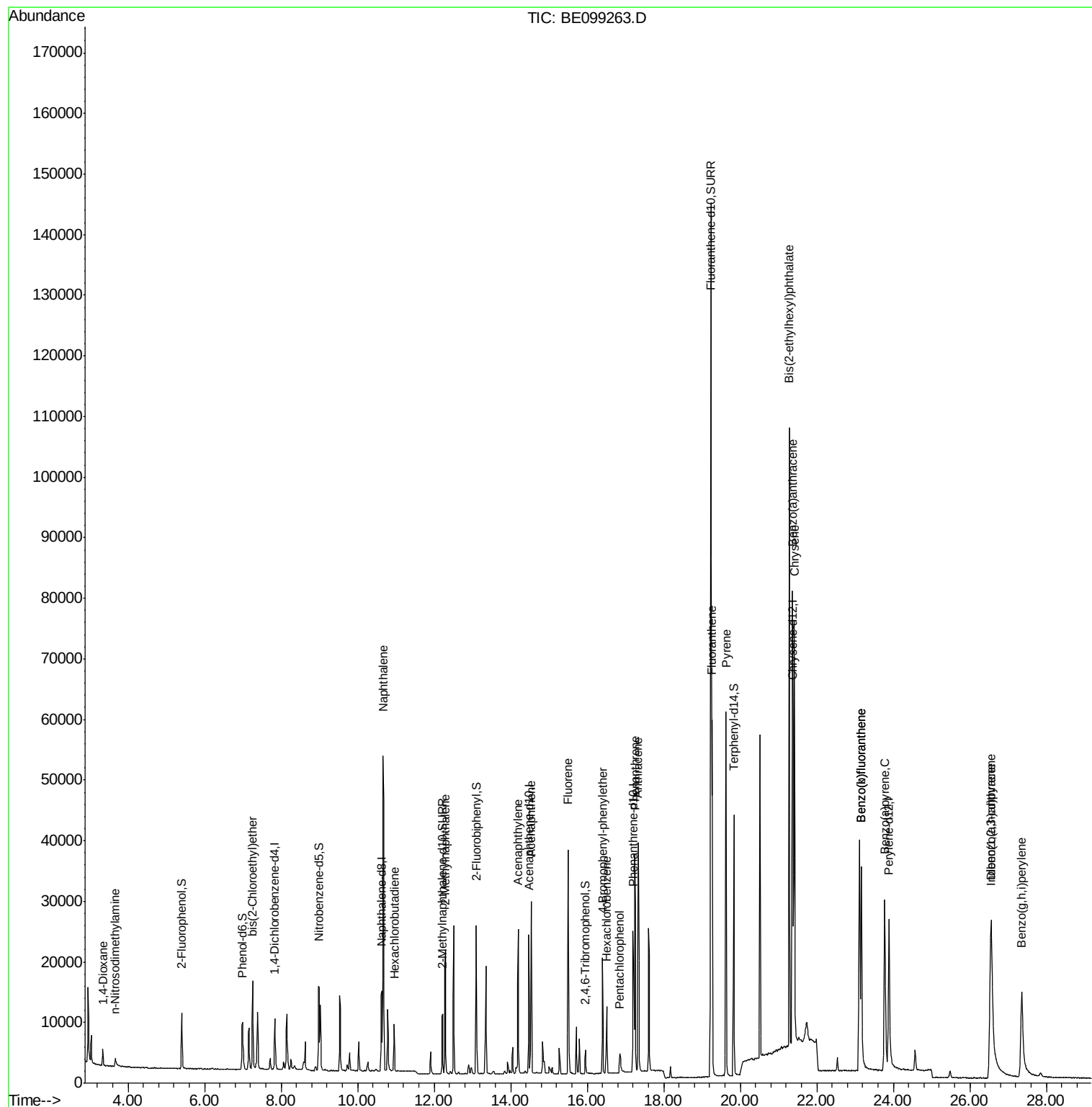
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 1992     | 0.382 | ng    | 98     |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 1272     | 0.436 | ng    | # 93   |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93   | 5761     | 0.406 | ng    | 98     |
| 9) Naphthalene                 | 10.67 | 128  | 88903    | 0.428 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.95 | 225  | 5221     | 0.471 | ng    | 96     |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 15692    | 0.422 | ng    | 99     |
| 16) Acenaphthylene             | 14.20 | 152  | 28464    | 0.426 | ng    | 100    |
| 17) Acenaphthene               | 14.53 | 154  | 16457    | 0.412 | ng    | 99     |
| 18) Fluorene                   | 15.50 | 166  | 22966    | 0.409 | ng    | 97     |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248  | 9031     | 0.412 | ng    | # 81   |
| 21) Hexachlorobenzene          | 16.50 | 284  | 8829     | 0.417 | ng    | 98     |
| 22) Pentachlorophenol          | 16.85 | 266  | 2555     | 0.993 | ng    | 87     |
| 23) Phenanthrene               | 17.24 | 178  | 41160    | 0.413 | ng    | 100    |
| 24) Anthracene                 | 17.33 | 178  | 38215    | 0.424 | ng    | 100    |
| 26) Fluoranthene               | 19.26 | 202  | 55973    | 0.440 | ng    | 99     |
| 28) Pyrene                     | 19.63 | 202  | 56641    | 0.416 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.37 | 228  | 60875    | 0.451 | ng    | 98     |
| 31) Chrysene                   | 21.41 | 228  | 60181    | 0.417 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 103677   | 0.643 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.54 | 276  | 59047    | 0.432 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 23.16 | 252  | 55562    | 0.404 | ng    | 99     |
| 36) Benzo(k)fluoranthene       | 23.16 | 252  | 55562    | 0.382 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.77 | 252  | 53575    | 0.417 | ng    | # 94   |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278  | 47654    | 0.417 | ng    | # 95   |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276  | 46504    | 0.406 | ng    | 98     |

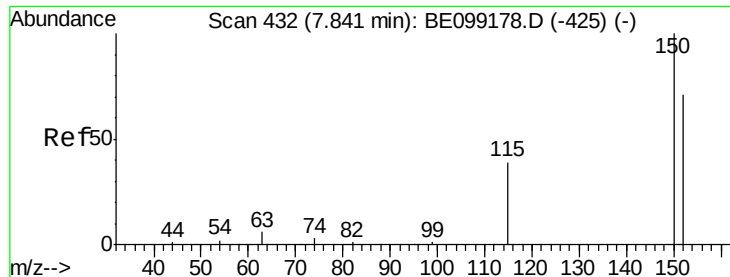
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

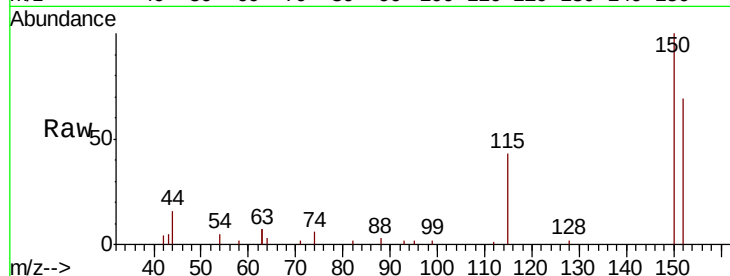
Tgt Ion:152 Resp: 3957

Ion Ratio Lower Upper

152 100

150 145.5 112.8 169.2

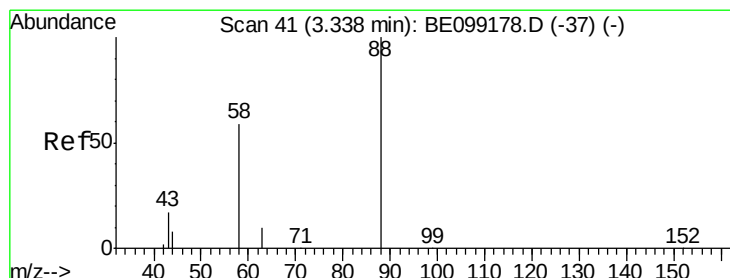
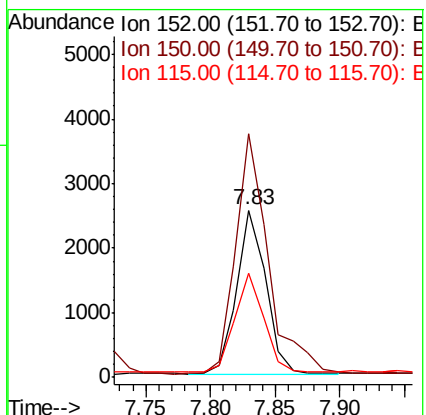
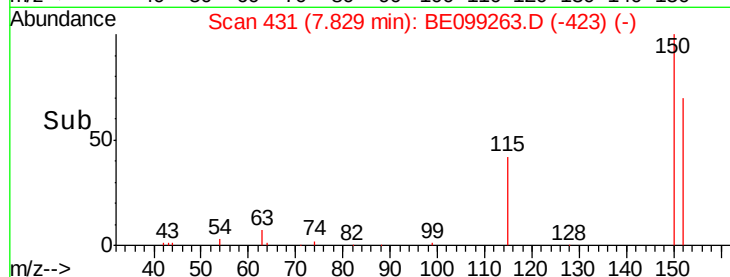
115 62.2 45.1 67.7



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: 0.382 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

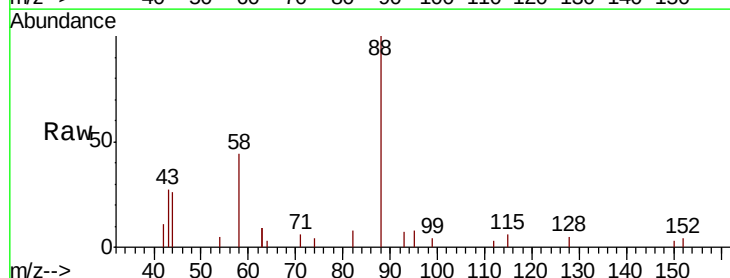
Tgt Ion: 88 Resp: 1992

Ion Ratio Lower Upper

88 100

58 60.9 47.4 71.0

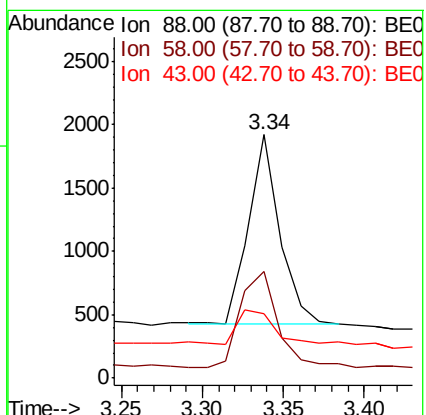
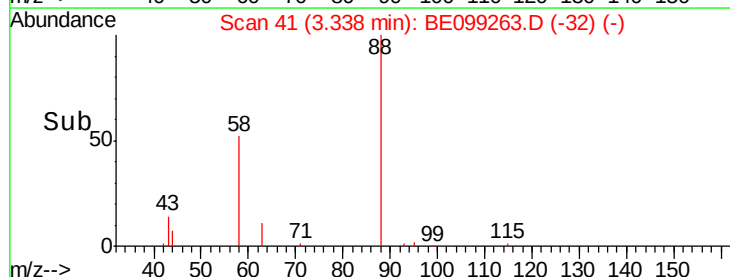
43 19.8 15.6 23.4

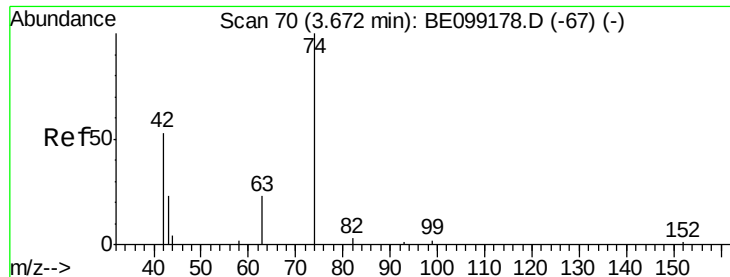


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.436 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

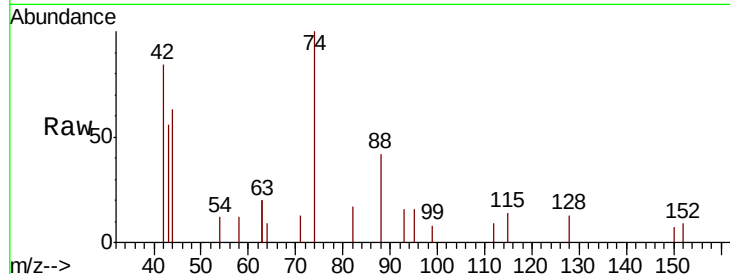
Tgt Ion: 42 Resp: 1272

Ion Ratio Lower Upper

42 100

74 165.5 138.6 207.8

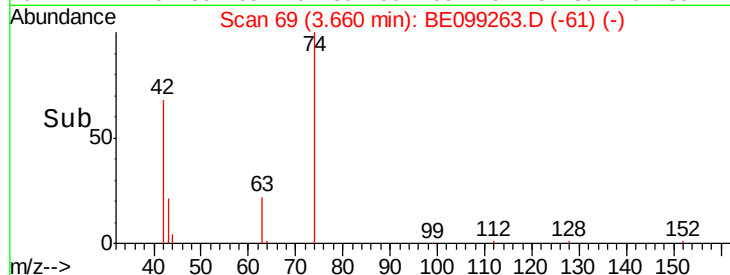
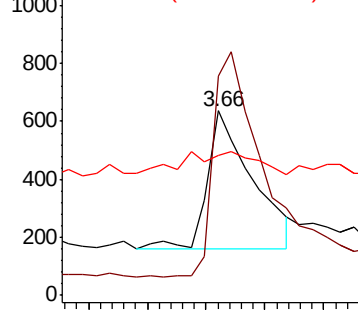
44 26.1 15.0 22.6#



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: 0.444 ng

RT: 5.40 min Scan# 220

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

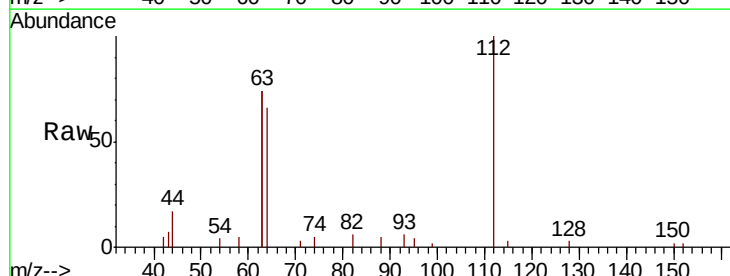
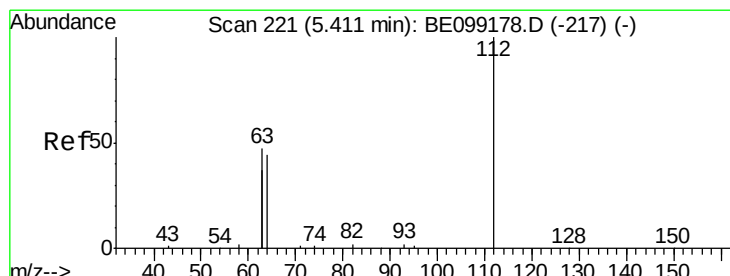
Tgt Ion: 112 Resp: 5244

Ion Ratio Lower Upper

112 100

64 56.2 46.2 69.2

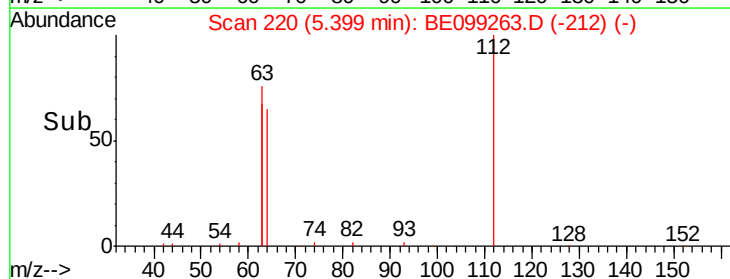
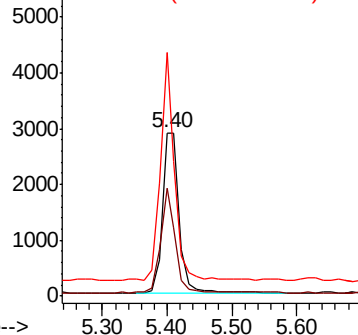
63 119.9 89.9 134.9

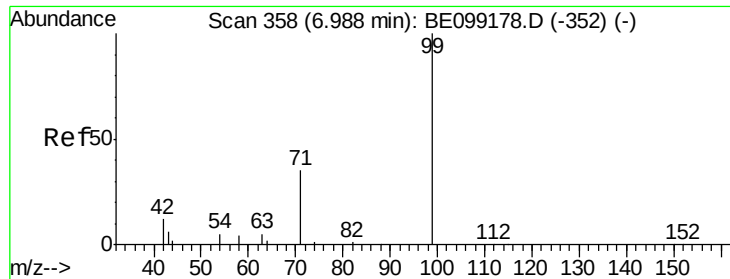


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.447 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

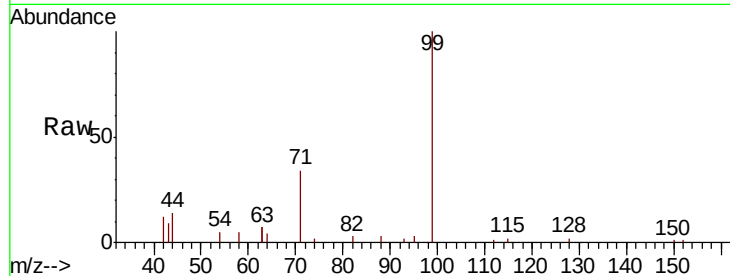
Tgt Ion: 99 Resp: 8068

Ion Ratio Lower Upper

99 100

42 15.0 12.4 18.6

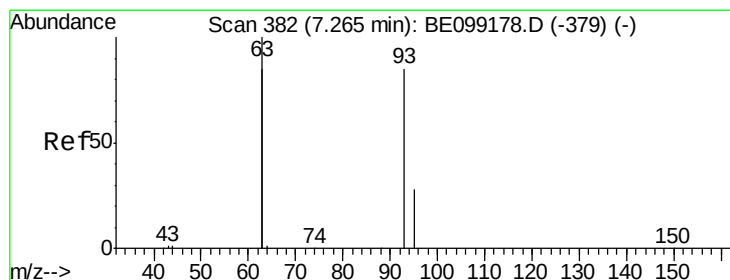
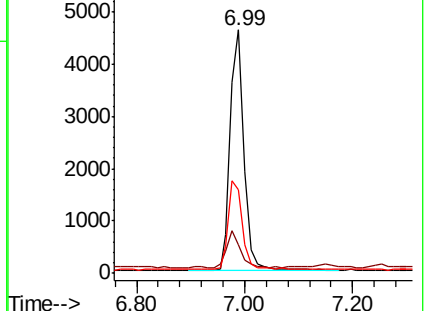
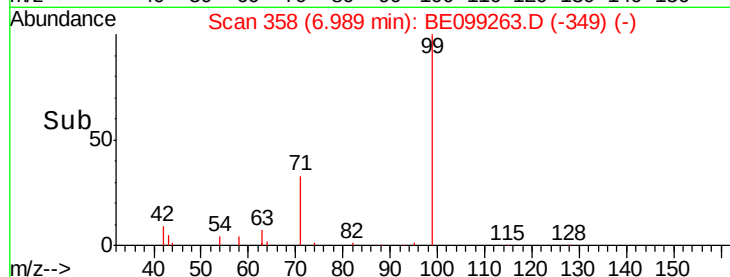
71 37.2 28.4 42.6



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: 0.406 ng

RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

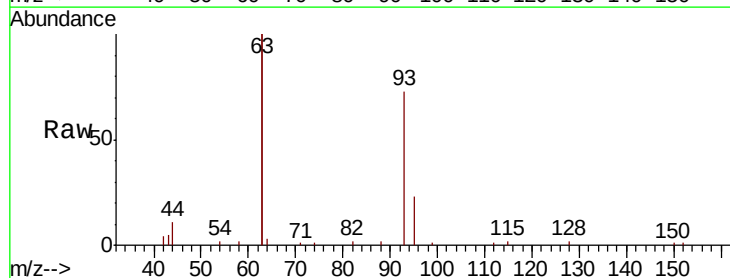
Tgt Ion: 93 Resp: 5761

Ion Ratio Lower Upper

93 100

63 273.2 221.4 332.0

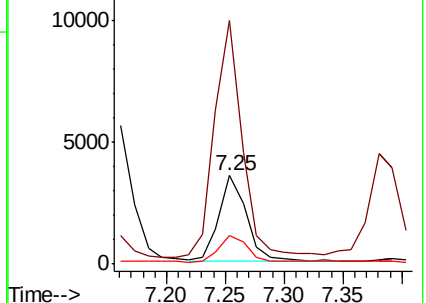
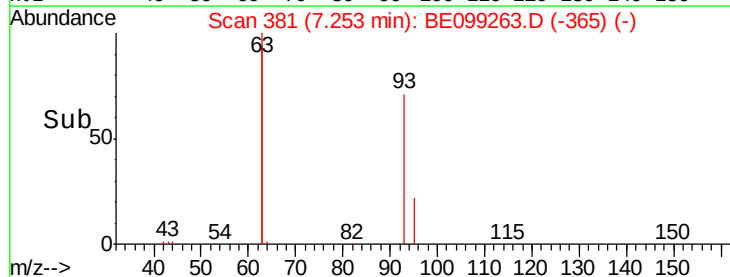
95 32.0 25.8 38.8

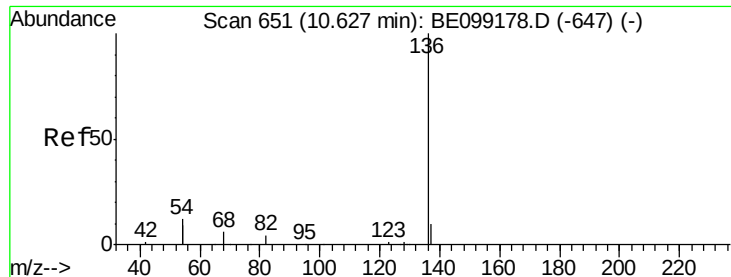


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 17628

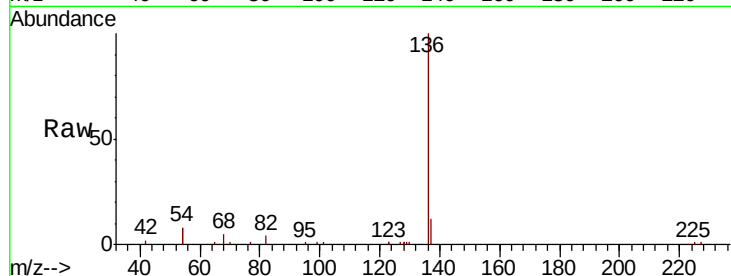
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 16.6 18.7 28.1#

68 4.6 5.2 7.8#

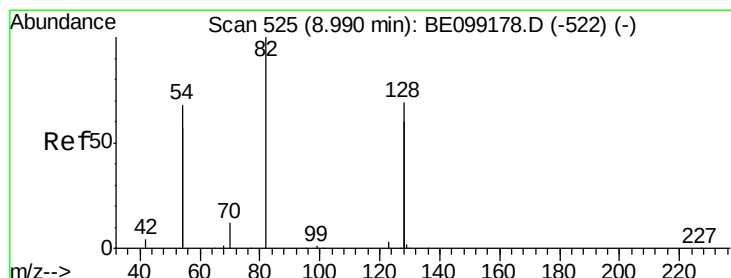
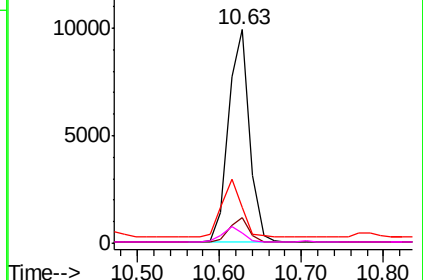
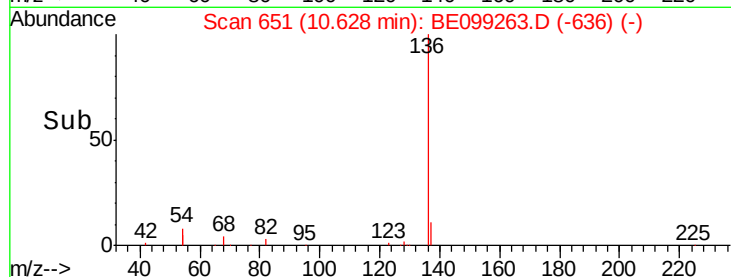


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.500 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

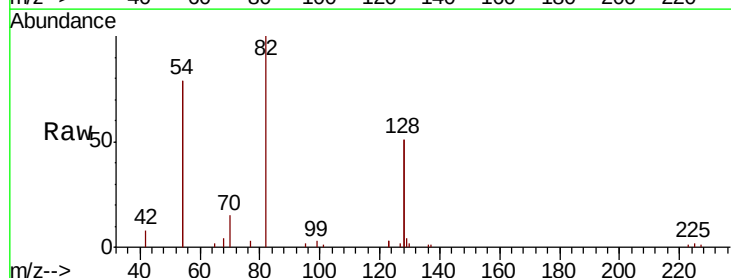
Tgt Ion: 82 Resp: 7199

Ion Ratio Lower Upper

82 100

128 101.5 107.5 161.3#

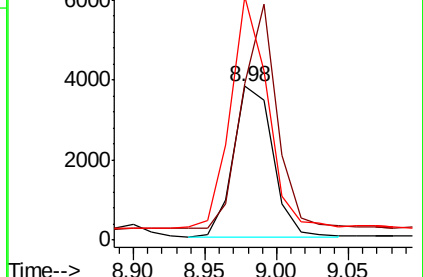
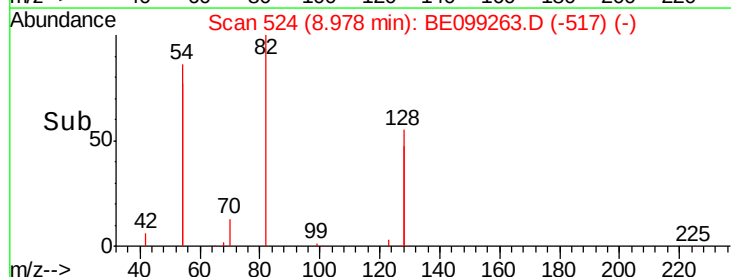
54 158.4 106.3 159.5

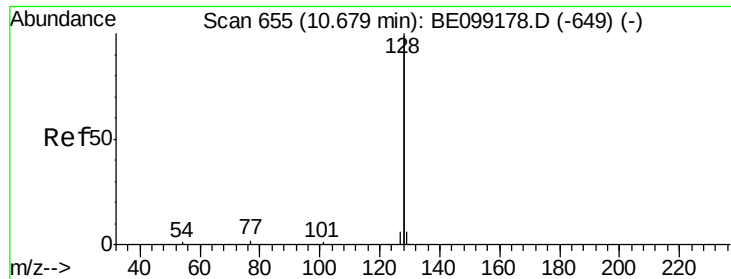


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.428 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

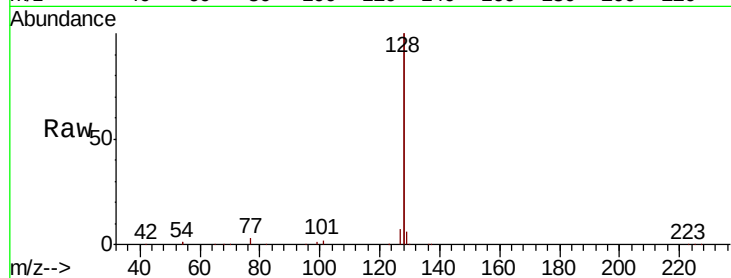
Tgt Ion:128 Resp: 88903

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

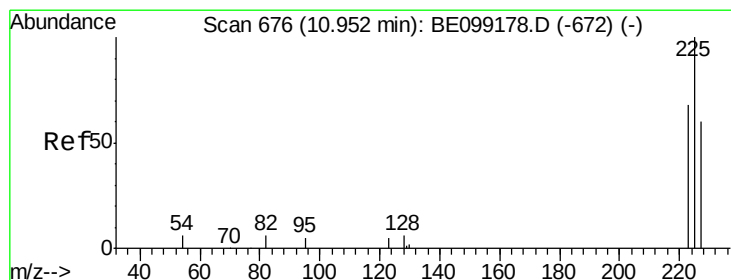
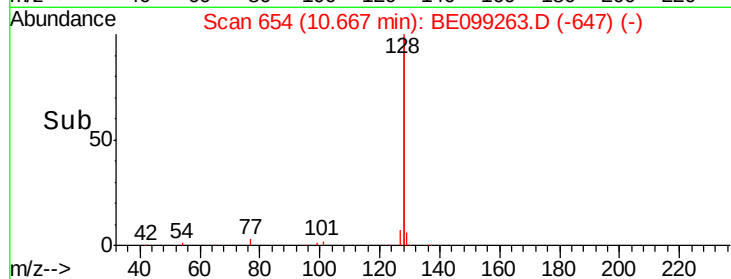
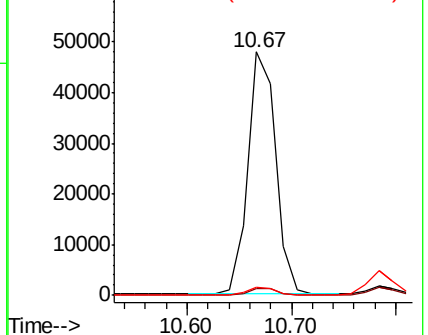
127 3.5 2.6 3.8



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: 0.471 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

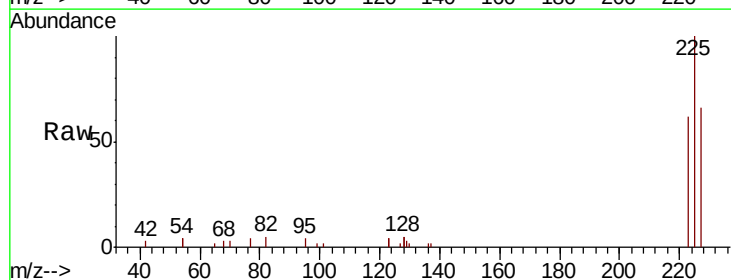
Tgt Ion:225 Resp: 5221

Ion Ratio Lower Upper

225 100

223 64.0 51.3 76.9

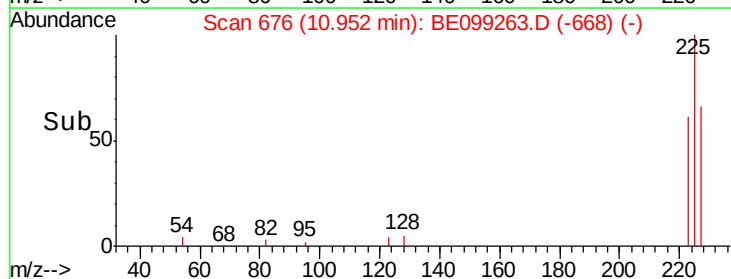
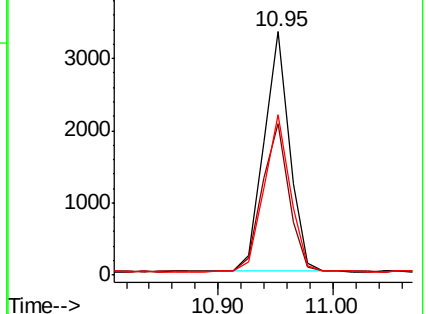
227 66.7 48.6 73.0

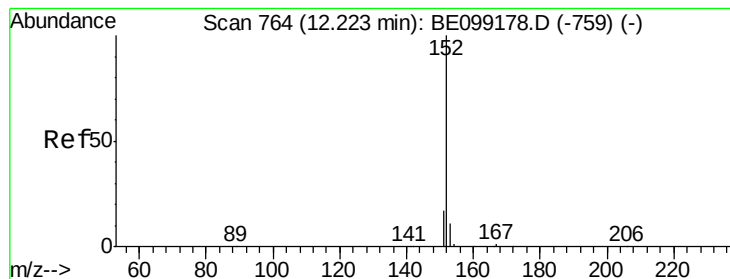


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.440 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

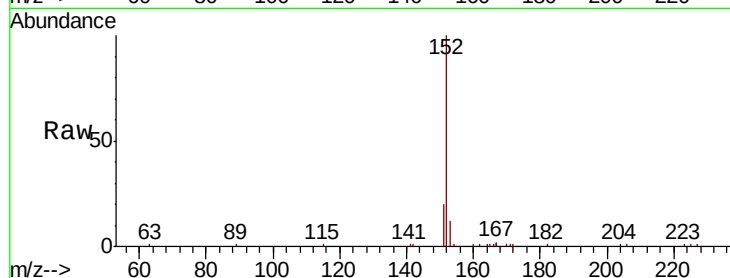
SSTDCCC0.4EC

Tgt Ion:152 Resp: 14936

Ion Ratio Lower Upper

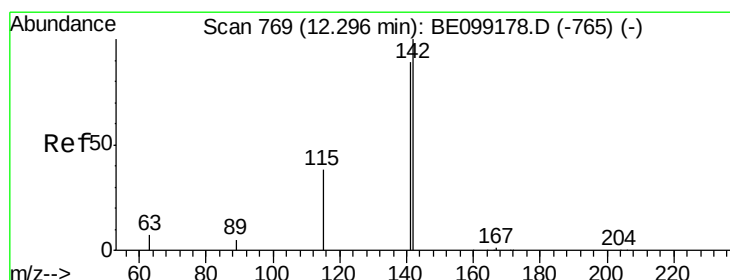
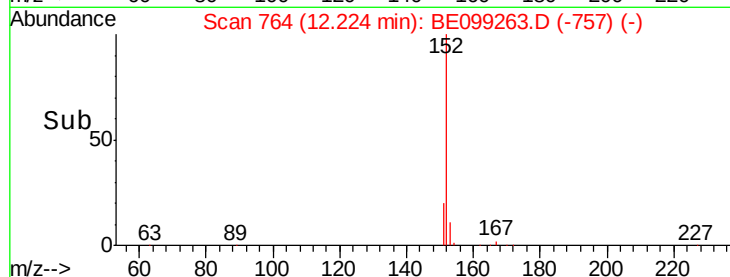
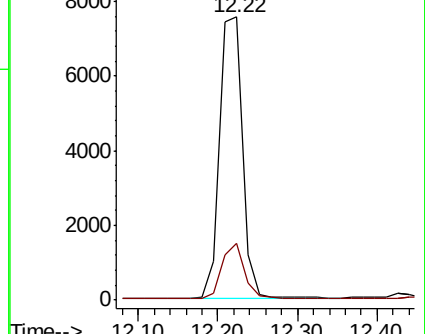
152 100

151 18.9 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.422 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

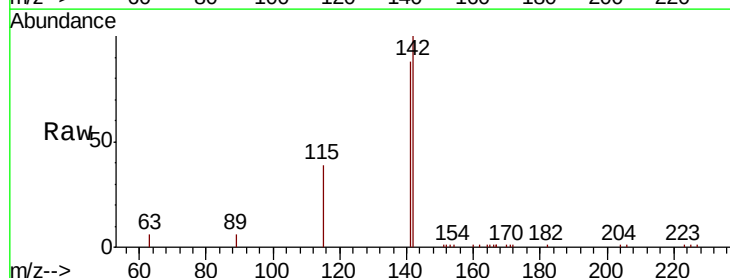
Tgt Ion:142 Resp: 15692

Ion Ratio Lower Upper

142 100

141 88.2 71.3 106.9

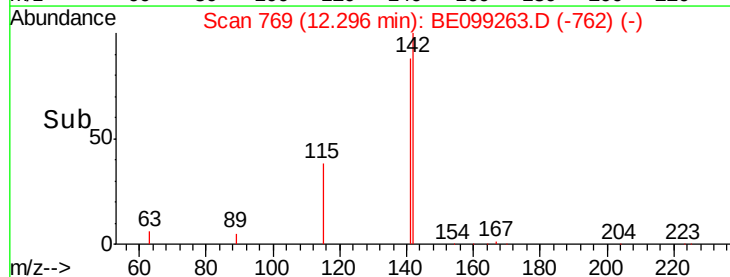
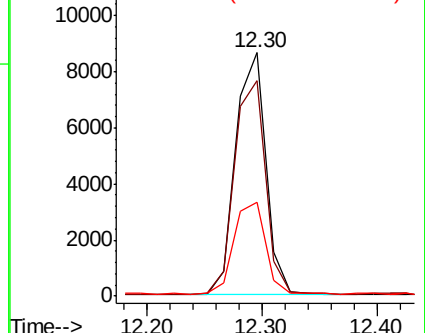
115 38.8 30.4 45.6



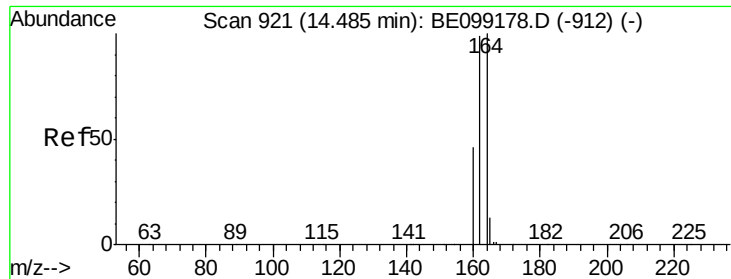
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



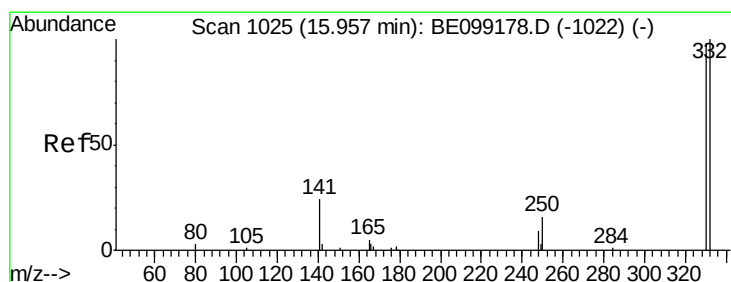
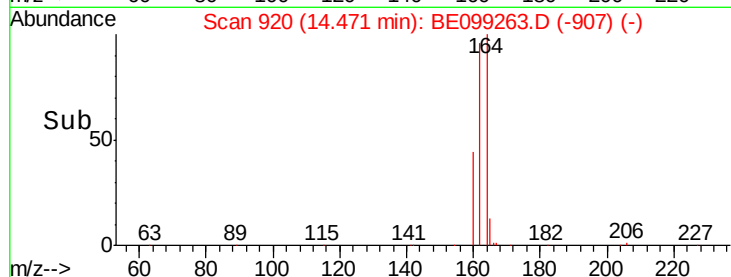
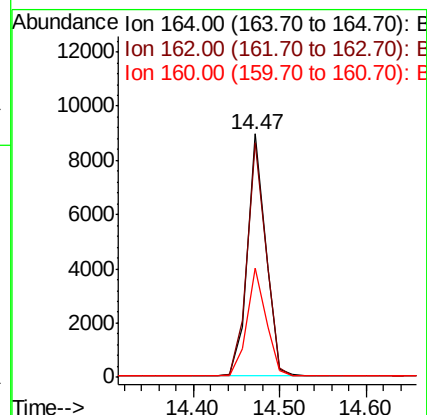
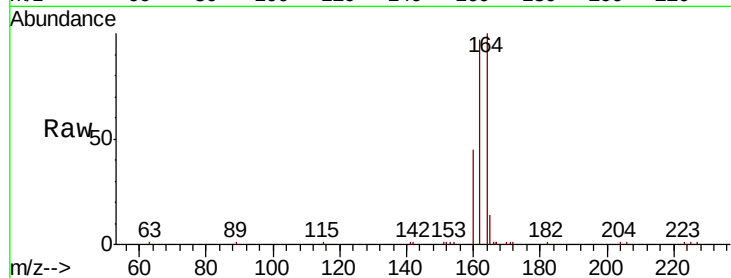




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: BE099263.D  
 Acq: 29 Mar 2019 20:14

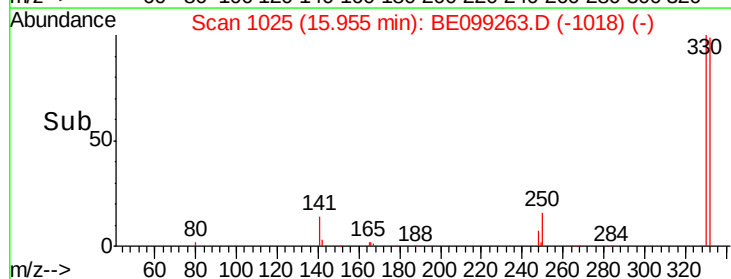
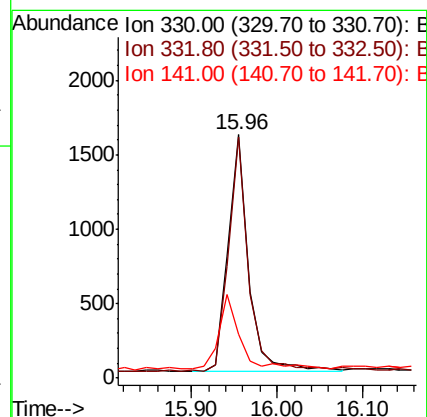
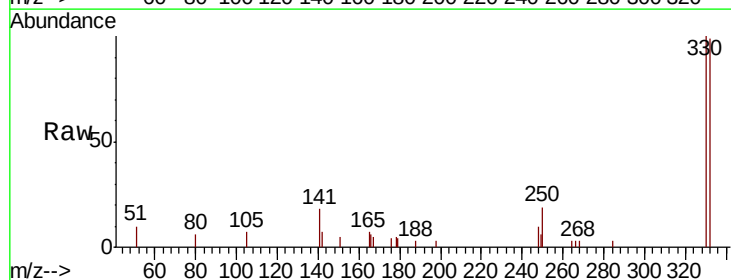
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

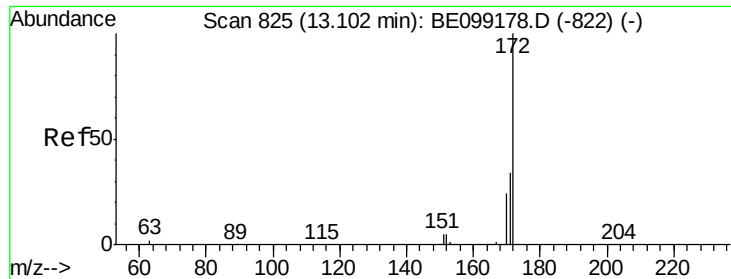
Tgt Ion:164 Resp: 13109  
 Ion Ratio Lower Upper  
 164 100  
 162 96.5 79.2 118.8  
 160 44.7 36.7 55.1



#14  
 2,4,6-Tribromophenol  
 Concen: 0.578 ng  
 RT: 15.96 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BE099263.D  
 Acq: 29 Mar 2019 20:14

Tgt Ion:330 Resp: 2618  
 Ion Ratio Lower Upper  
 330 100  
 332 100.1 71.3 106.9  
 141 33.7 21.7 32.5#

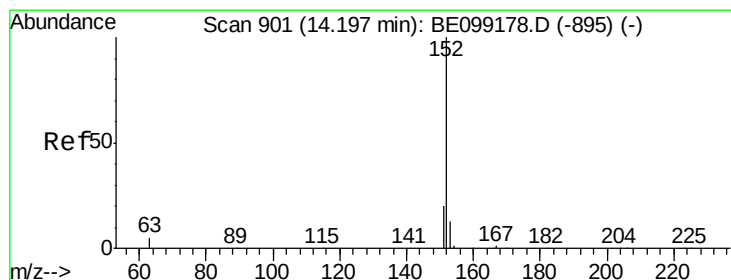
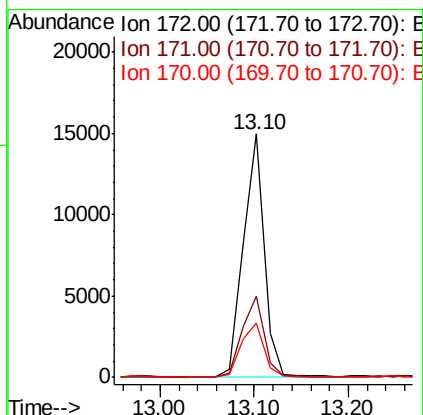
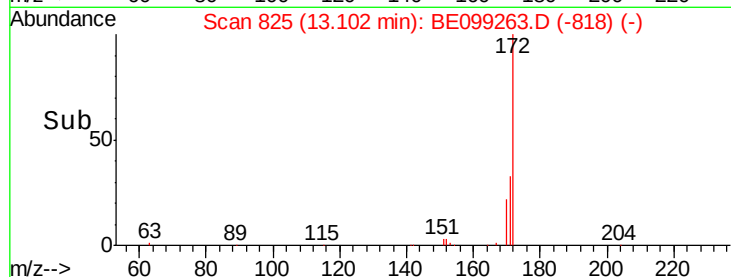
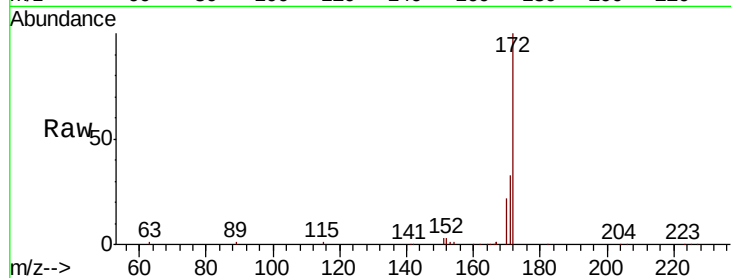




#15  
2-Fluorobiphenyl  
Concen: 0.431 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099263.D  
Acq: 29 Mar 2019 20:14

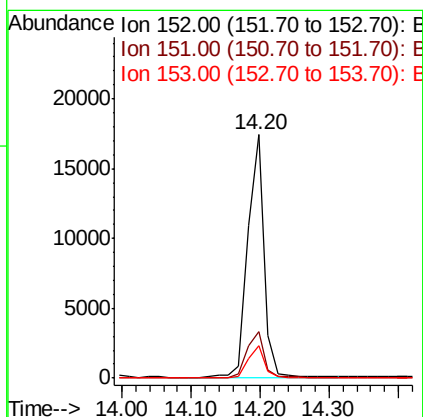
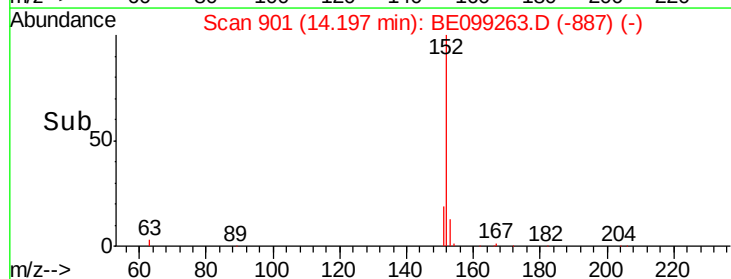
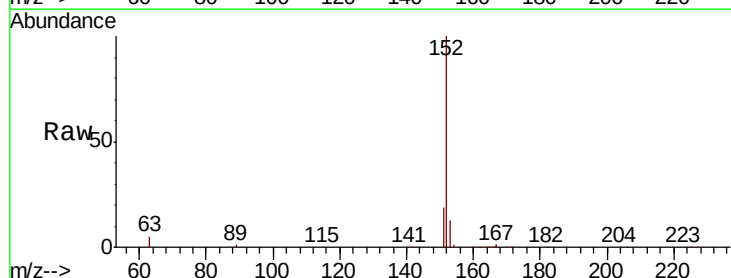
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

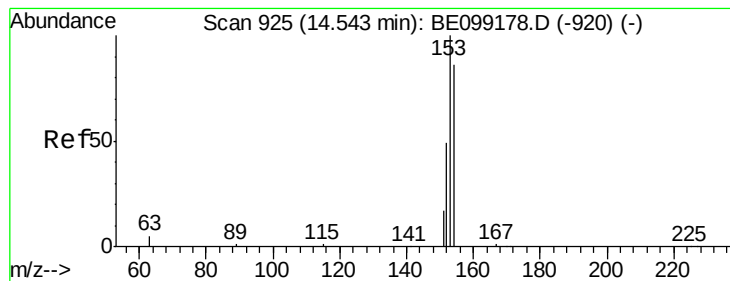
Tgt Ion:172 Resp: 23025  
Ion Ratio Lower Upper  
172 100  
171 33.4 27.4 41.0  
170 22.2 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.426 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099263.D  
Acq: 29 Mar 2019 20:14

Tgt Ion:152 Resp: 28464  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.412 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

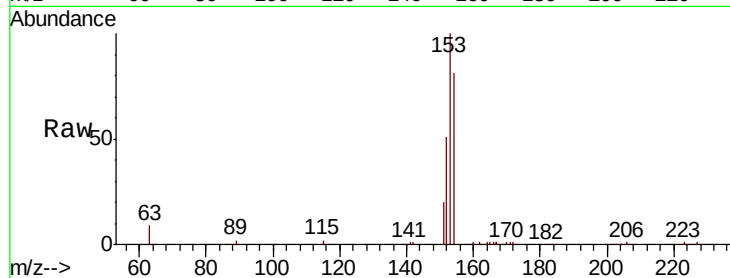
Tgt Ion:154 Resp: 16457

Ion Ratio Lower Upper

154 100

153 116.9 93.4 140.0

152 56.9 46.6 69.8

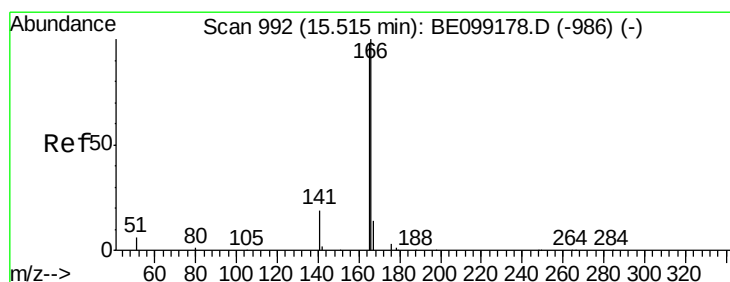
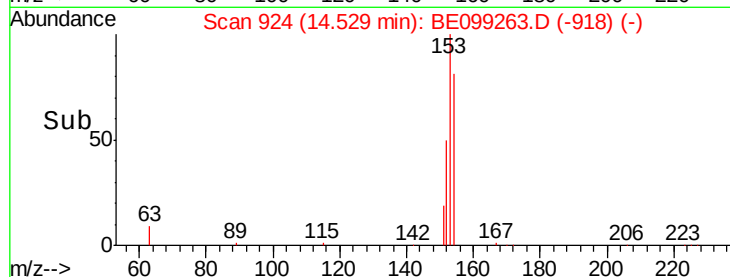
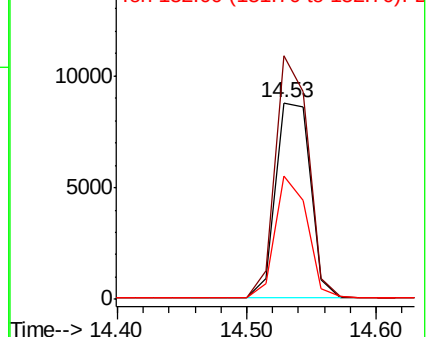


Abundance

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: 0.409 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

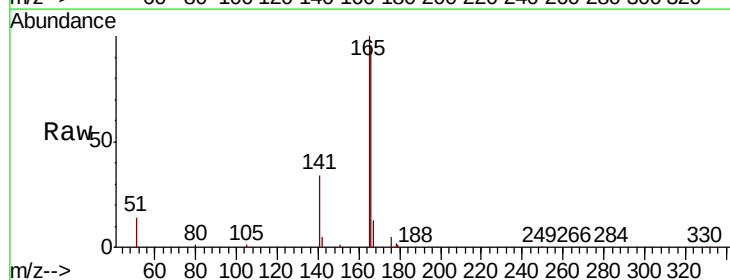
Tgt Ion:166 Resp: 22966

Ion Ratio Lower Upper

166 100

165 101.6 78.9 118.3

167 13.8 10.9 16.3

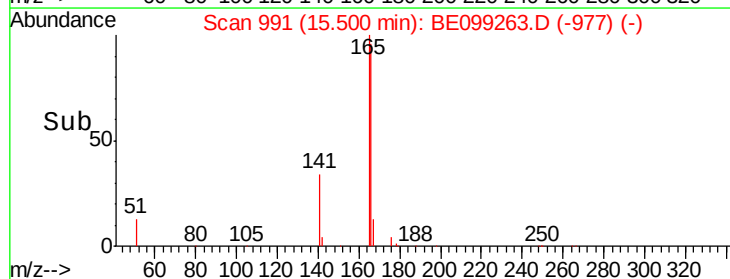
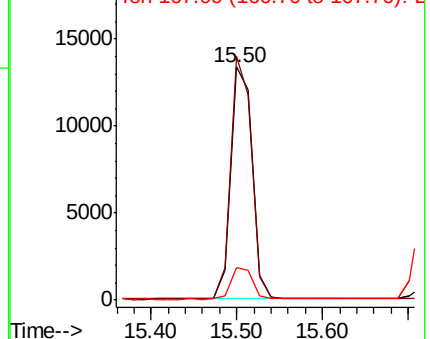


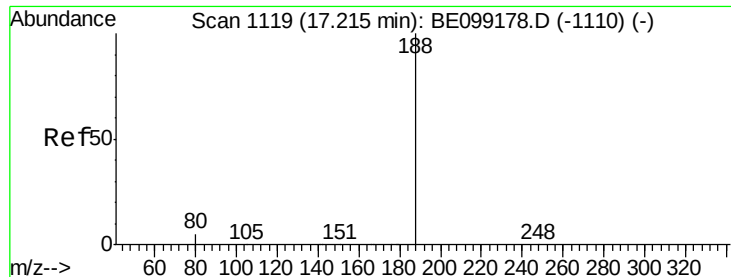
Abundance

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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

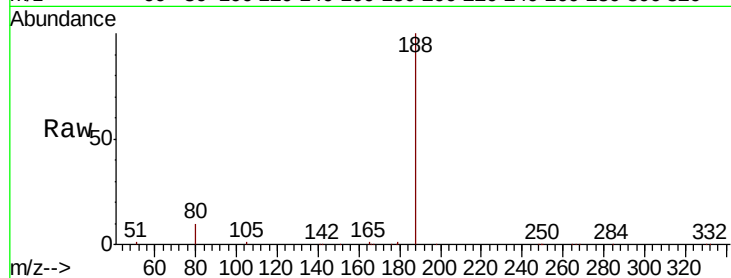
Tgt Ion:188 Resp: 33944

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

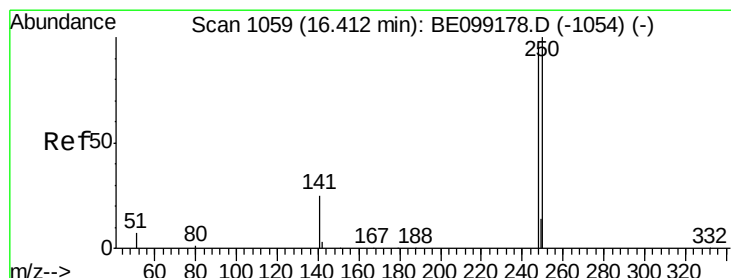
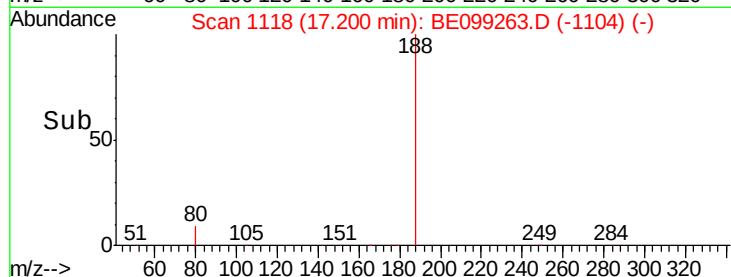
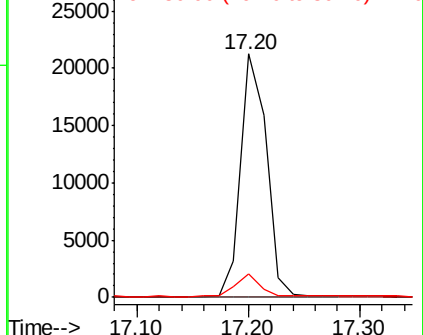
80 9.8 4.5 6.7#



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: 0.412 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

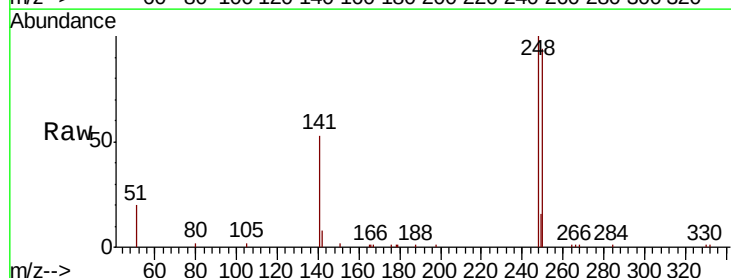
Tgt Ion:248 Resp: 9031

Ion Ratio Lower Upper

248 100

250 94.0 84.2 126.2

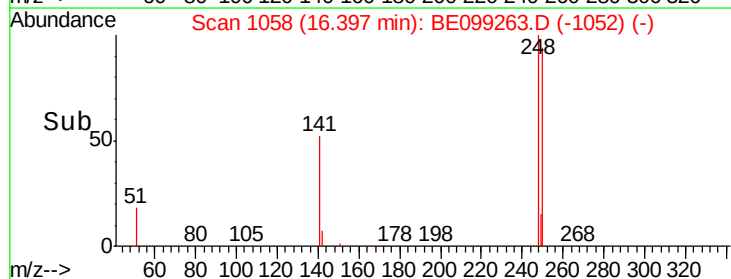
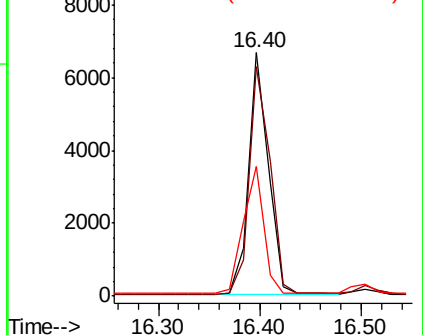
141 53.1 21.8 32.6#

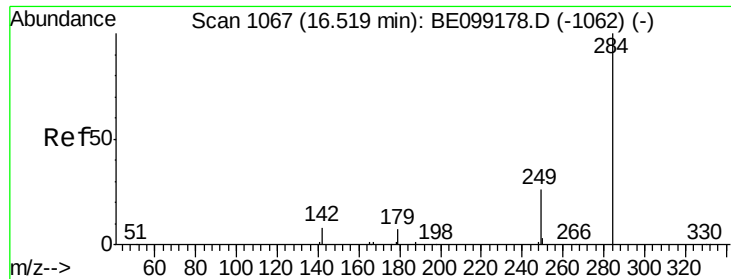


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.417 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

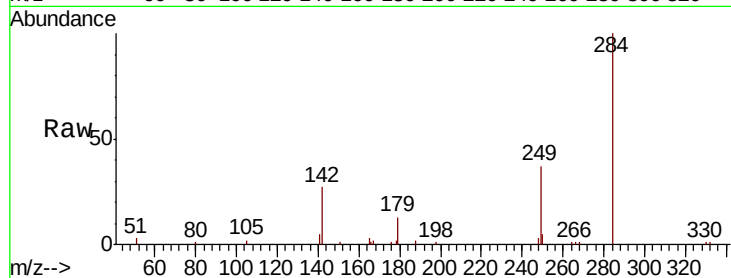
Tgt Ion:284 Resp: 8829

Ion Ratio Lower Upper

284 100

142 26.5 22.7 34.1

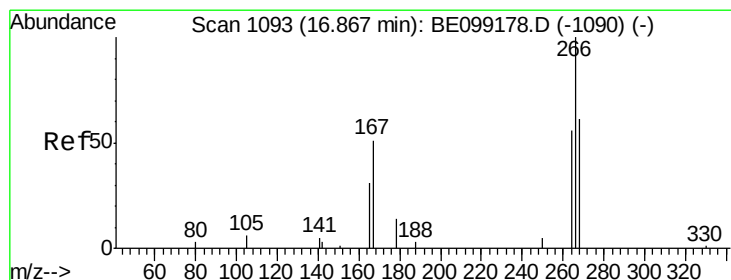
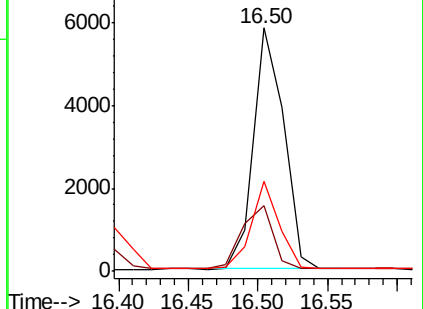
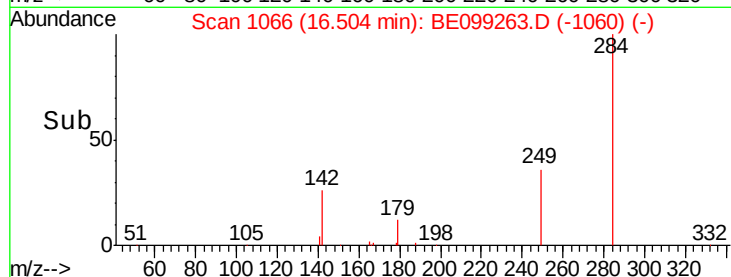
249 33.5 26.9 40.3



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: 0.993 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

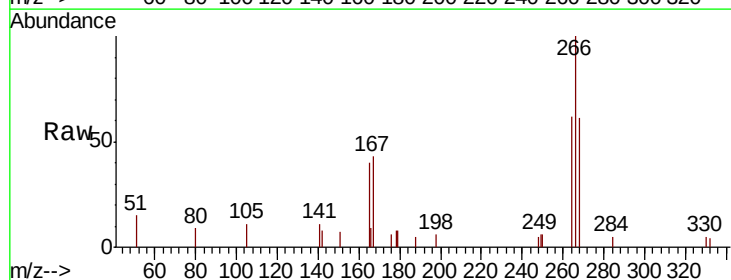
Tgt Ion:266 Resp: 2555

Ion Ratio Lower Upper

266 100

264 61.6 54.4 81.6

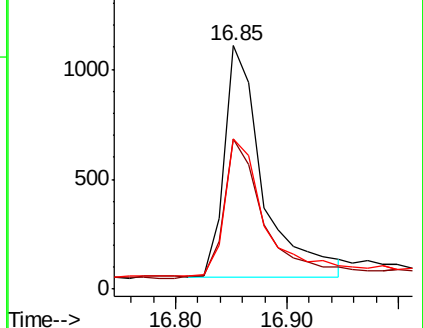
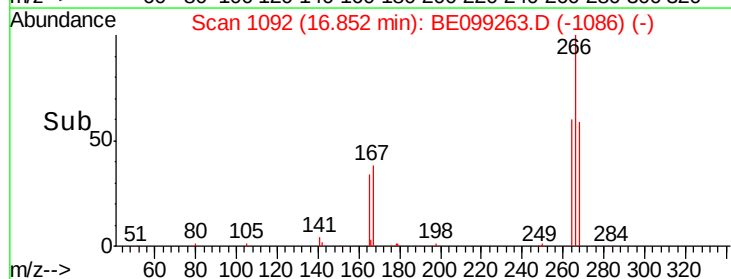
268 61.5 61.3 91.9

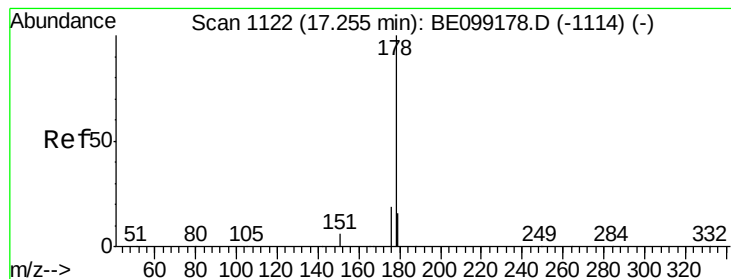


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.413 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

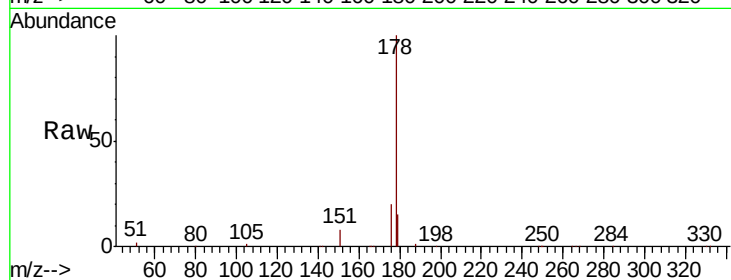
Tgt Ion:178 Resp: 41160

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

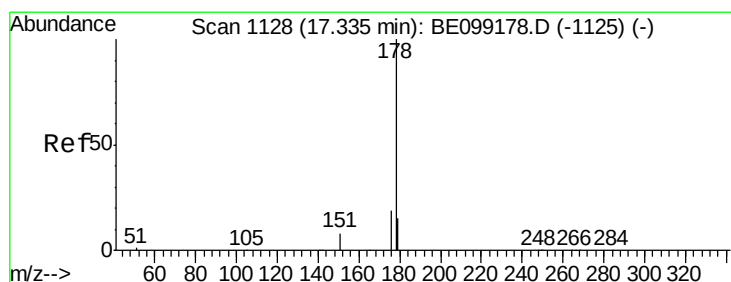
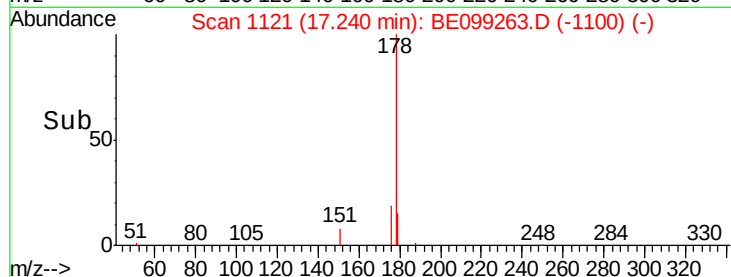
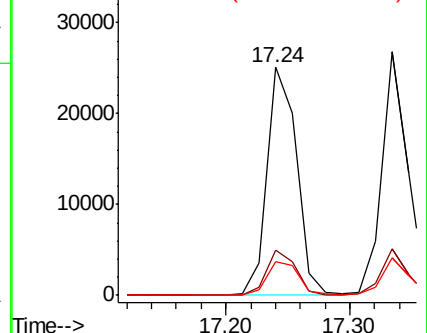
179 15.6 12.3 18.5



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: 0.424 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

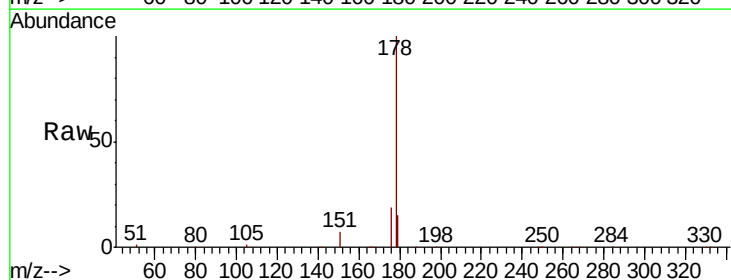
Tgt Ion:178 Resp: 38215

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

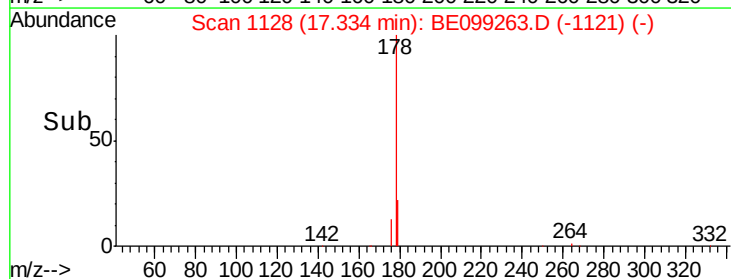
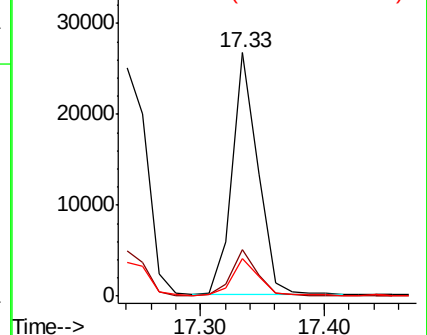
179 15.3 12.4 18.6

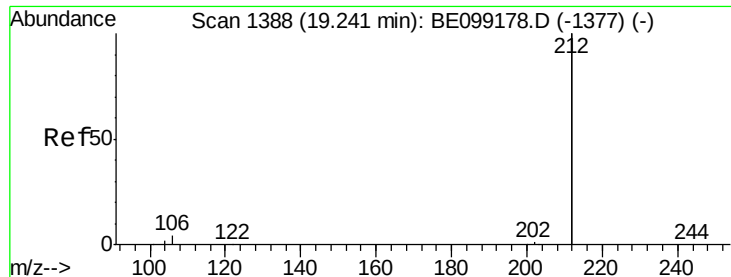


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.467 ng

RT: 19.23 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

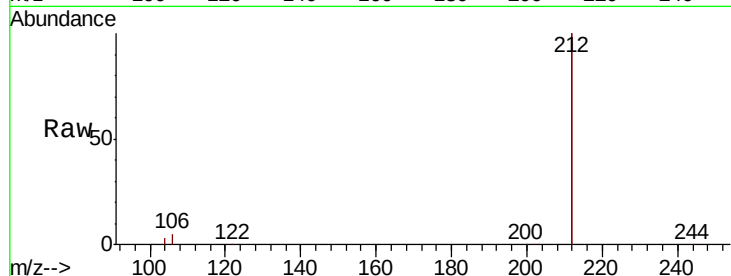
Tgt Ion:212 Resp: 192174

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.8

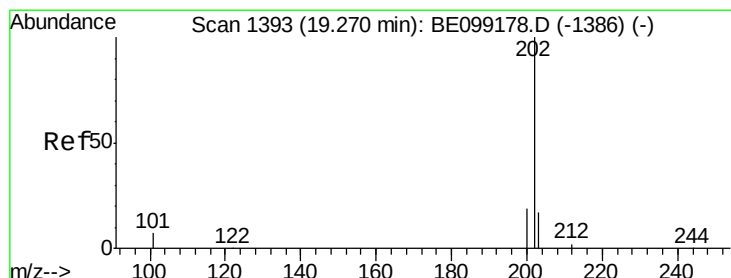
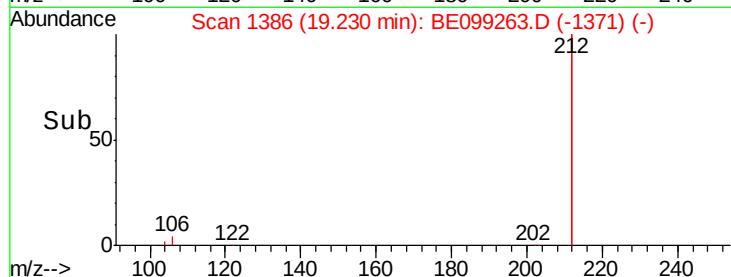
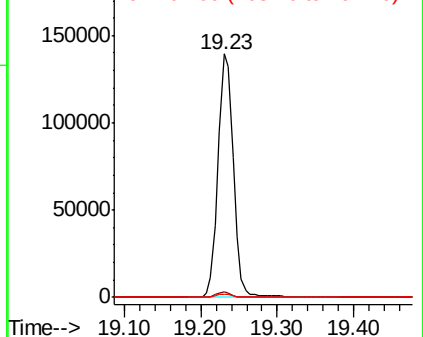
104 1.2 1.1 1.7



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: 0.440 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

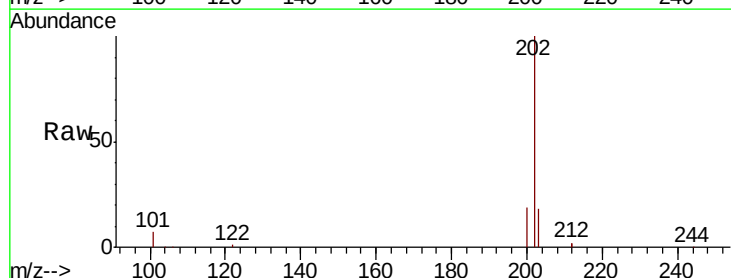
Tgt Ion:202 Resp: 55973

Ion Ratio Lower Upper

202 100

101 7.7 7.0 10.4

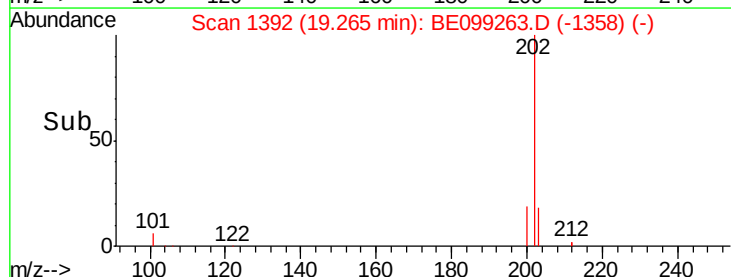
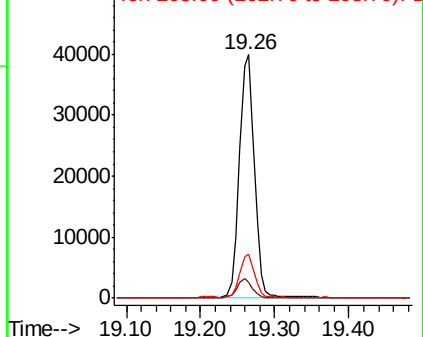
203 17.2 13.8 20.6

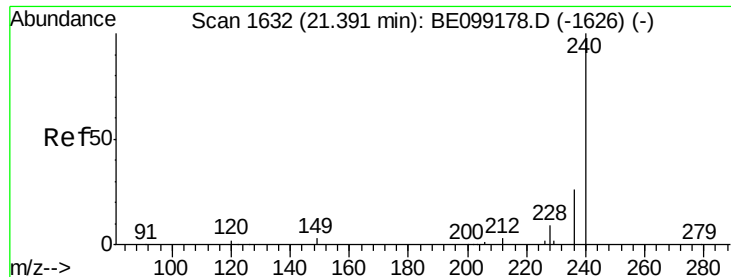


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

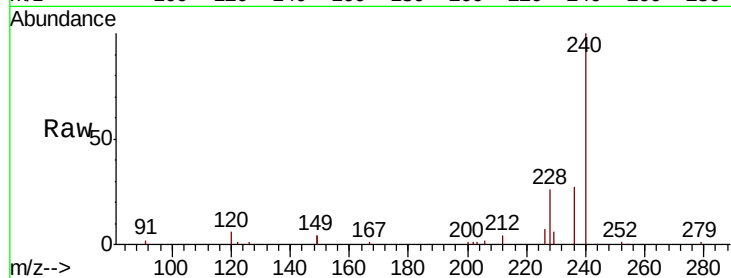
Tgt Ion:240 Resp: 40949

Ion Ratio Lower Upper

240 100

120 5.5 2.6 3.8#

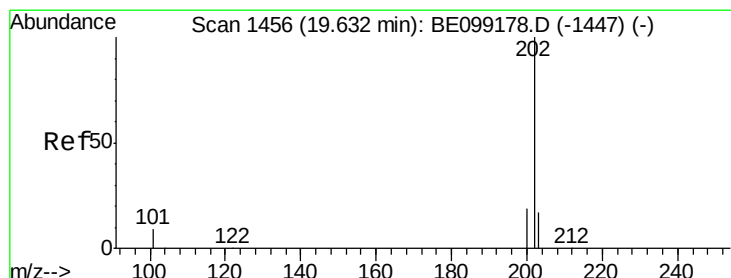
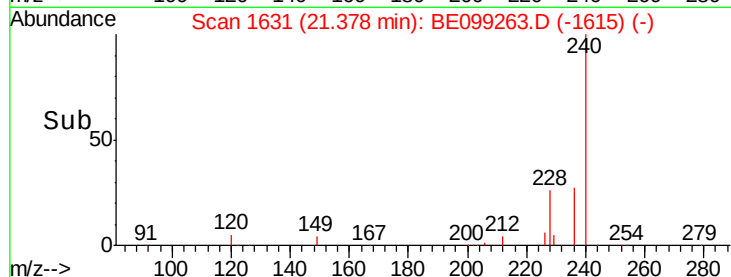
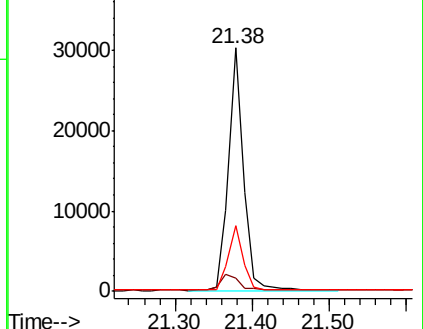
236 27.2 20.9 31.3



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: 0.416 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

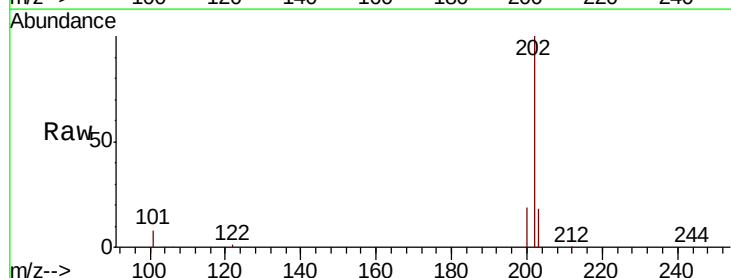
Tgt Ion:202 Resp: 56641

Ion Ratio Lower Upper

202 100

200 19.6 15.8 23.8

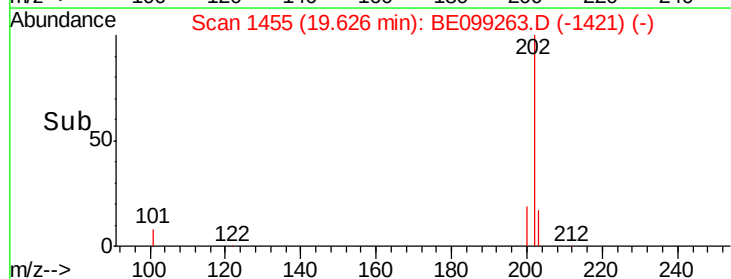
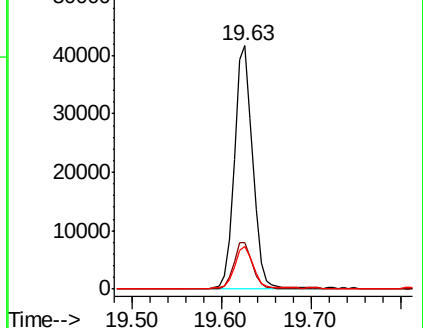
203 17.6 14.1 21.1



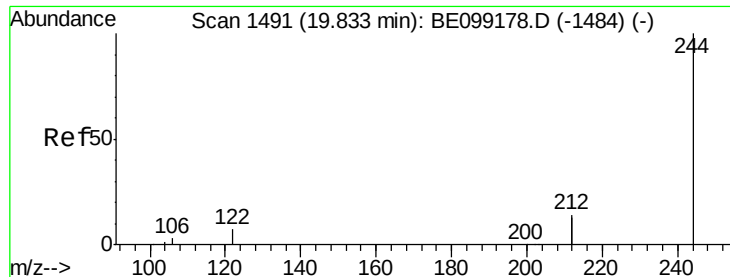
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

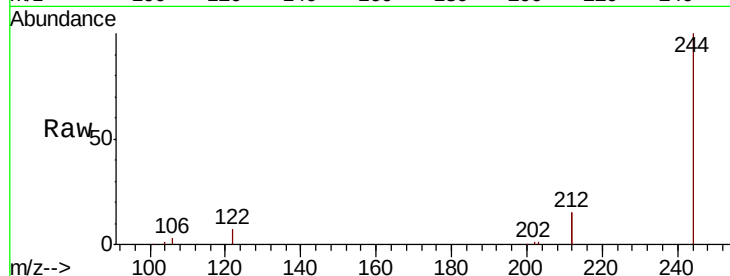
Tgt Ion:244 Resp: 38565

Ion Ratio Lower Upper

244 100

212 29.3 22.7 34.1

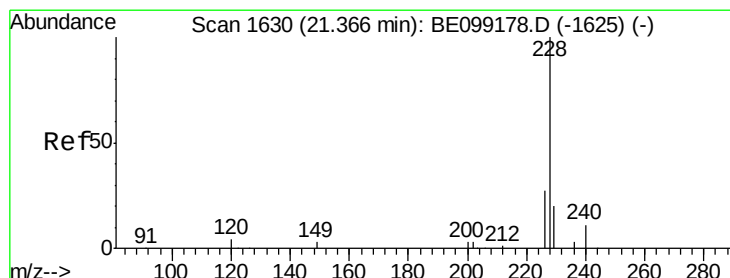
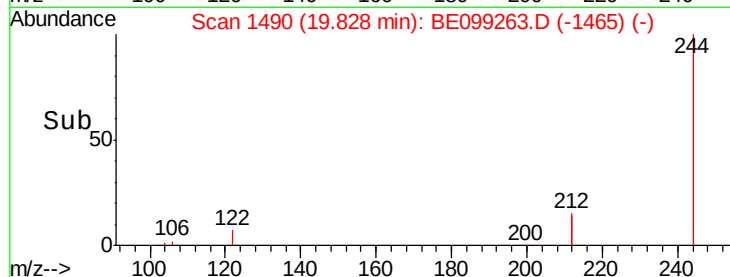
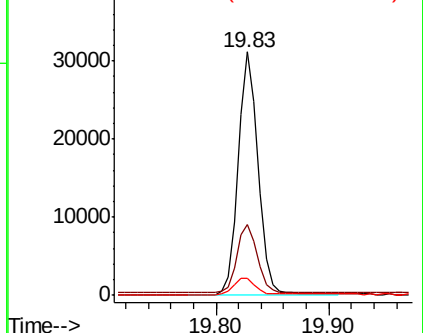
122 6.9 5.8 8.6



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: 0.451 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

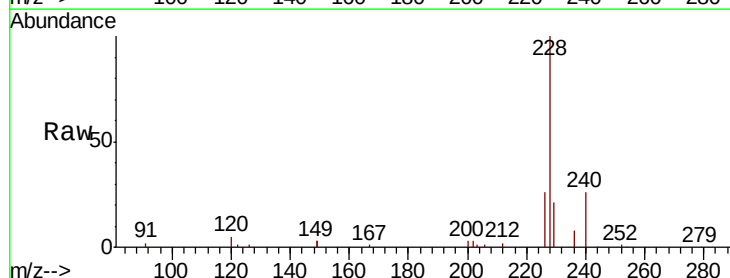
Tgt Ion:228 Resp: 60875

Ion Ratio Lower Upper

228 100

226 26.0 21.7 32.5

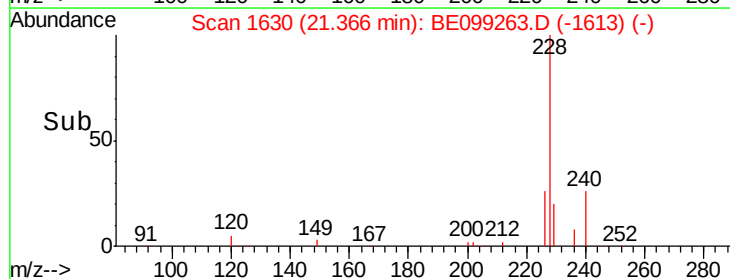
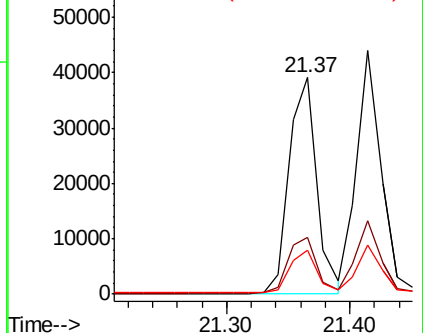
229 20.6 15.9 23.9

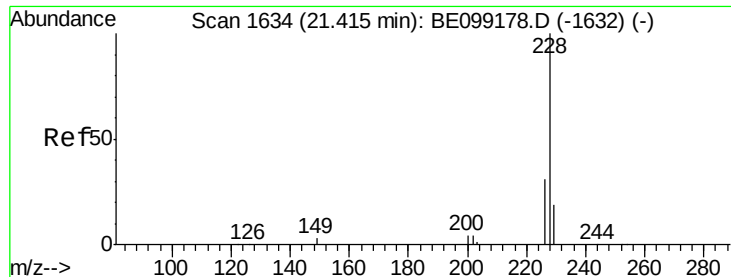


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.417 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

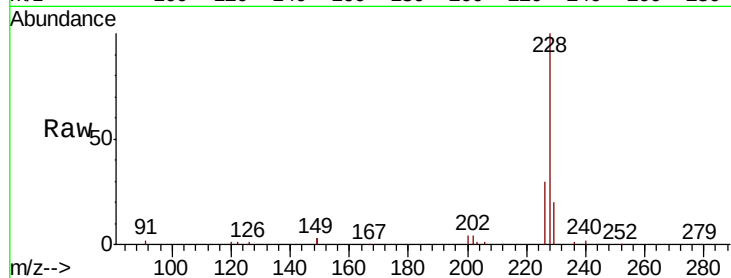
Tgt Ion:228 Resp: 60181

Ion Ratio Lower Upper

228 100

226 30.0 24.8 37.2

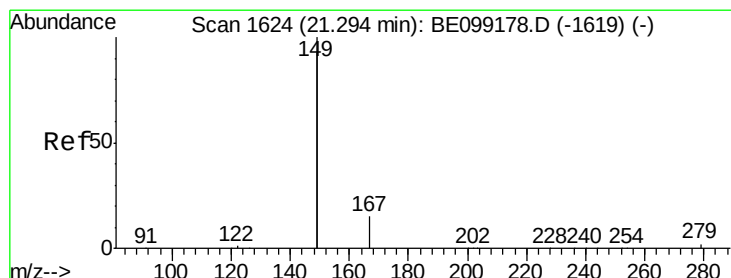
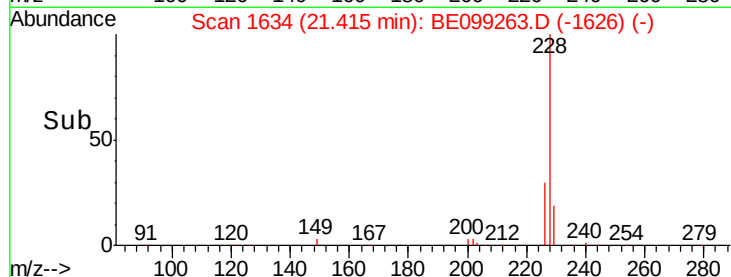
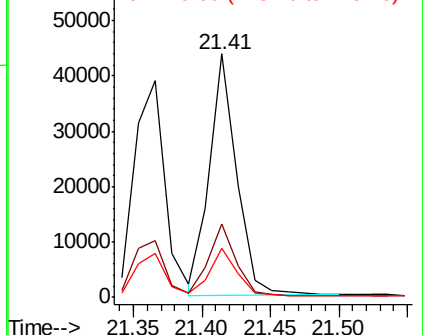
229 19.9 15.4 23.0



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: 0.643 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

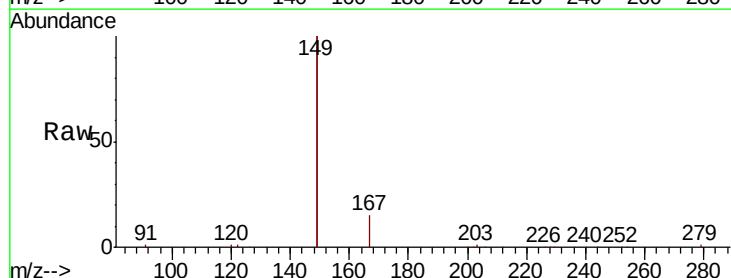
Tgt Ion:149 Resp: 103677

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

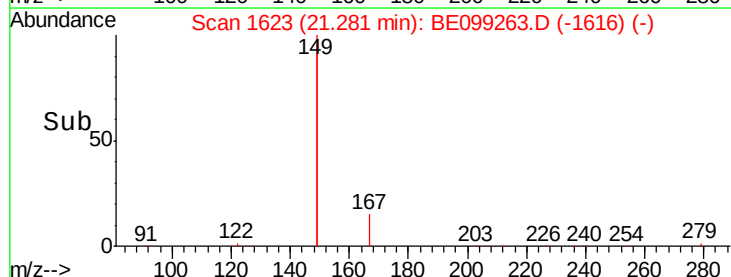
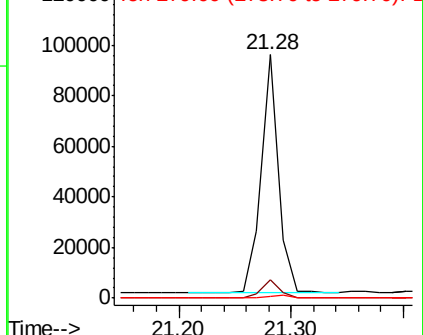
279 1.2 1.0 1.6

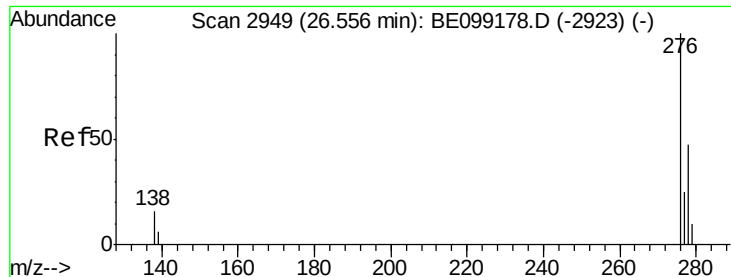


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.432 ng

RT: 26.54 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

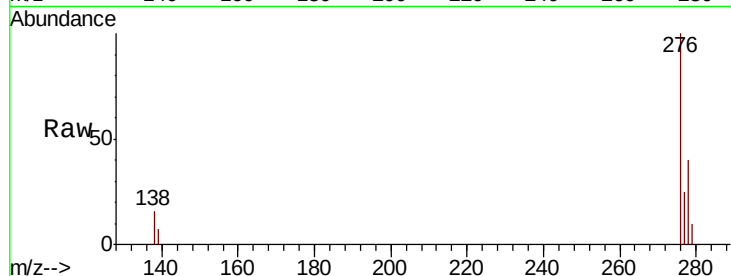
Tgt Ion:276 Resp: 59047

Ion Ratio Lower Upper

276 100

138 13.8 12.9 19.3

277 23.2 18.3 27.5

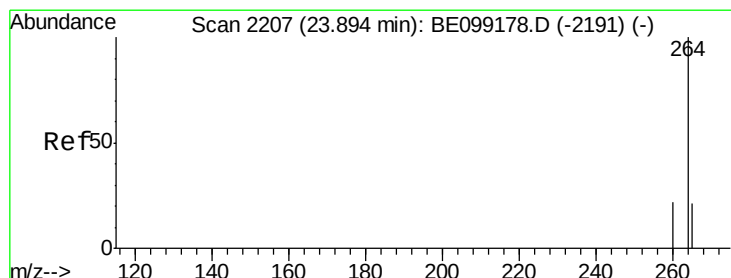
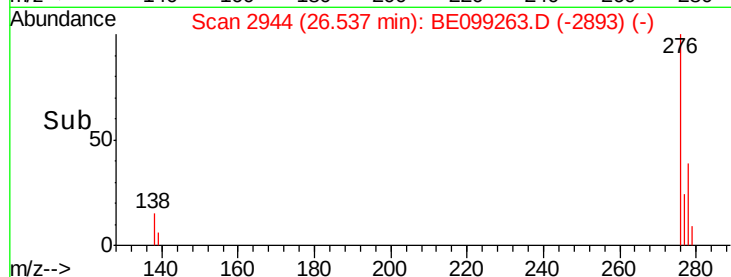
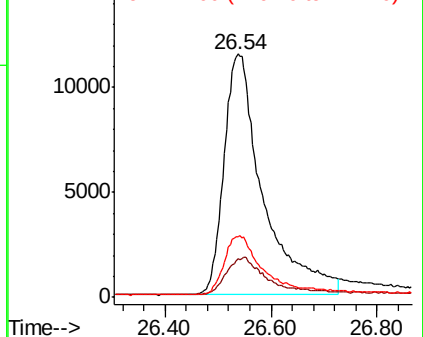


Abundance

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: 23.89 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

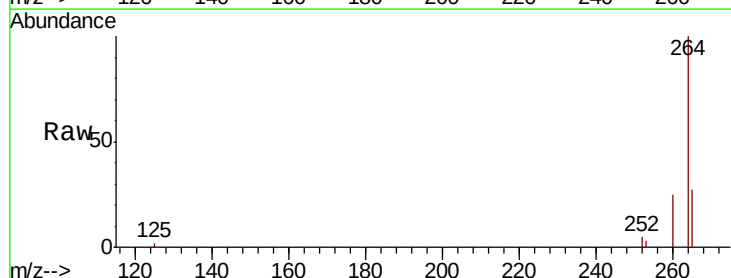
Tgt Ion:264 Resp: 41809

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.2

265 26.8 21.8 32.8

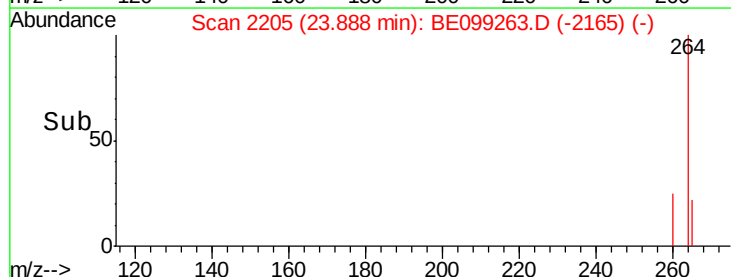
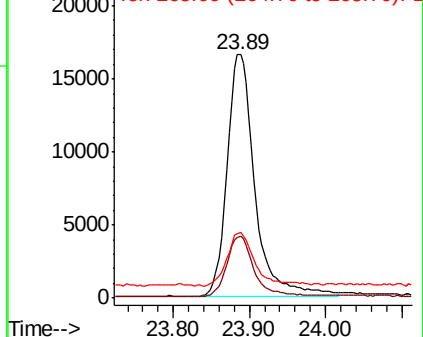


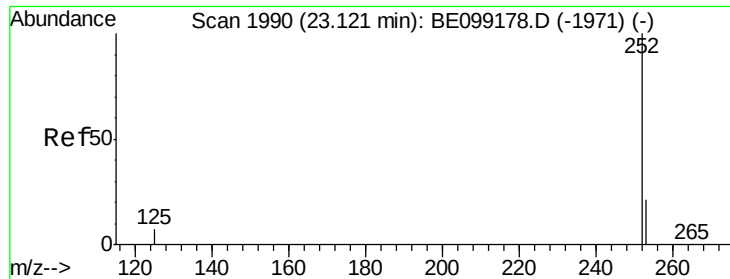
Abundance

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: 0.404 ng

RT: 23.16 min Scan# 2002

Delta R.T. 0.04 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

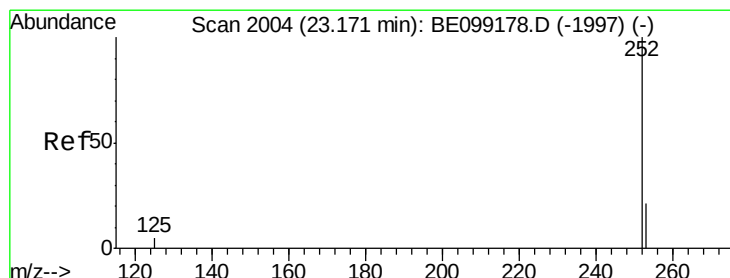
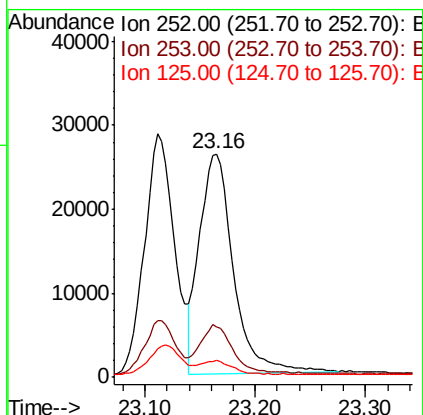
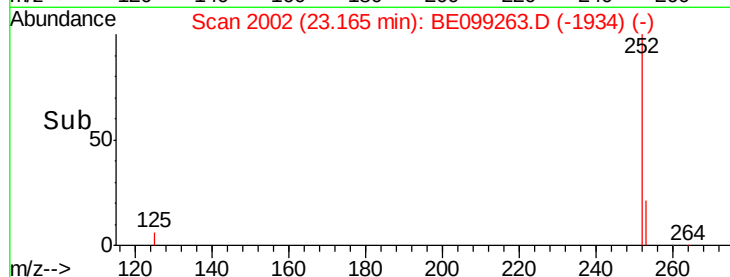
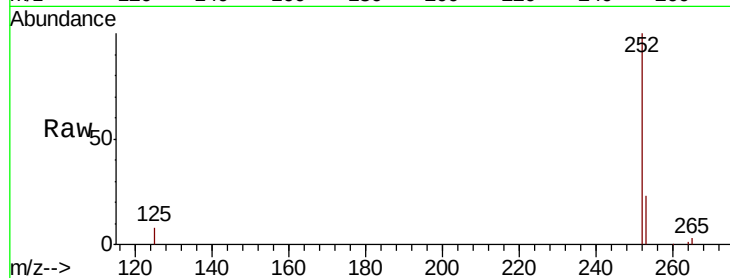
Tgt Ion:252 Resp: 55562

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 7.5 6.1 9.1



#36

Benzo(k)fluoranthene

Concen: 0.382 ng

RT: 23.16 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE099263.D

Acq: 29 Mar 2019 20:14

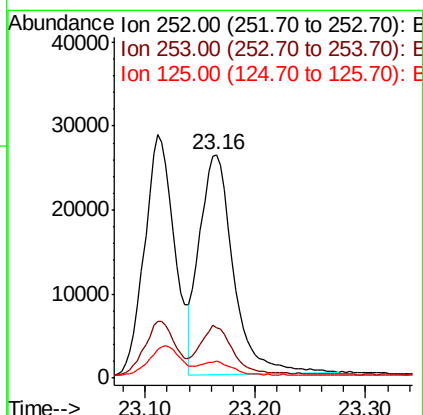
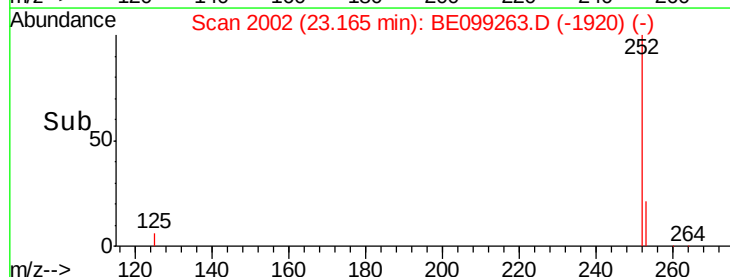
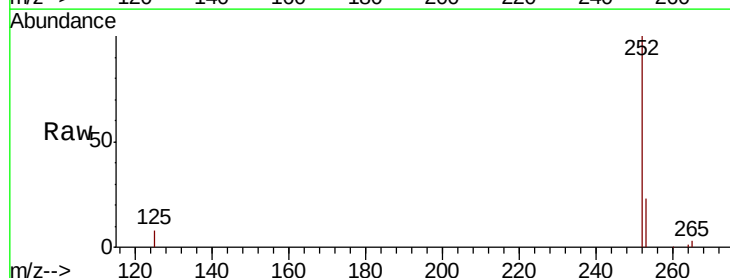
Tgt Ion:252 Resp: 55562

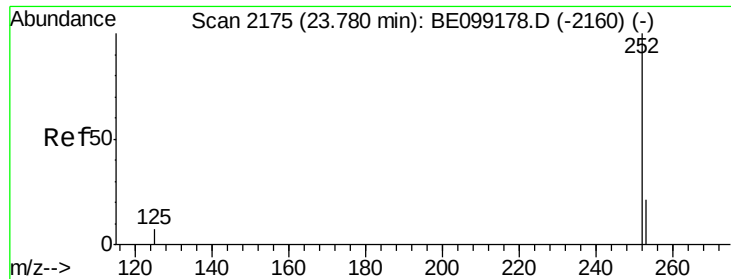
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 7.5 5.9 8.9

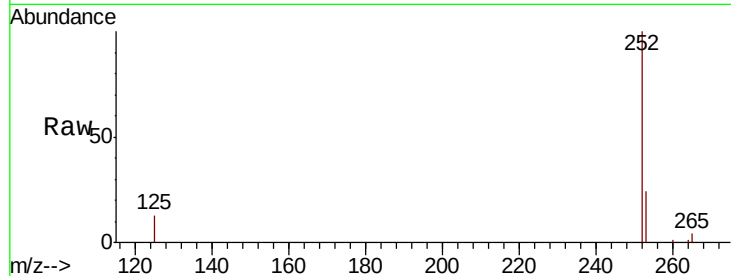




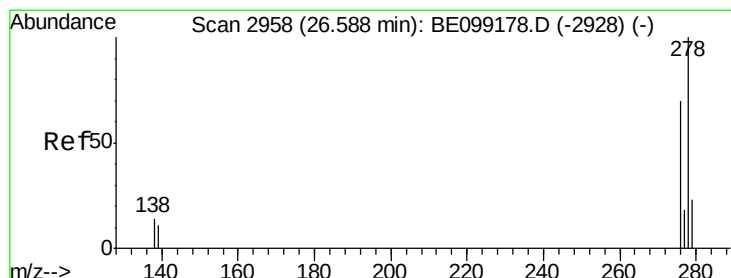
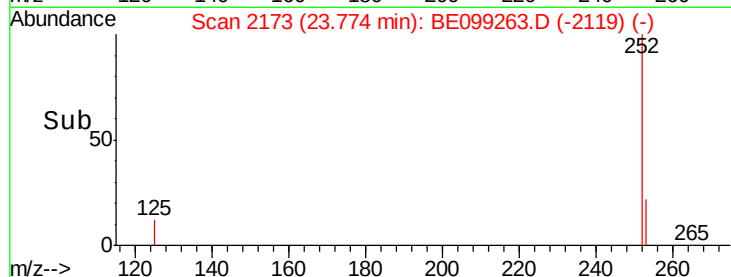
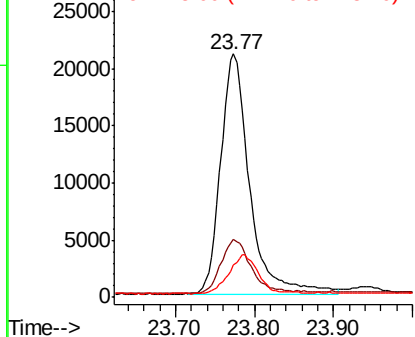
#37  
Benzo(a)pyrene  
Concen: 0.417 ng  
RT: 23.77 min Scan# 2173  
Delta R.T. -0.01 min  
Lab File: BE099263.D  
Acq: 29 Mar 2019 20:14

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion: 252 Resp: 53575  
Ion Ratio Lower Upper  
252 100  
253 24.0 18.1 27.1  
125 13.1 6.8 10.2#

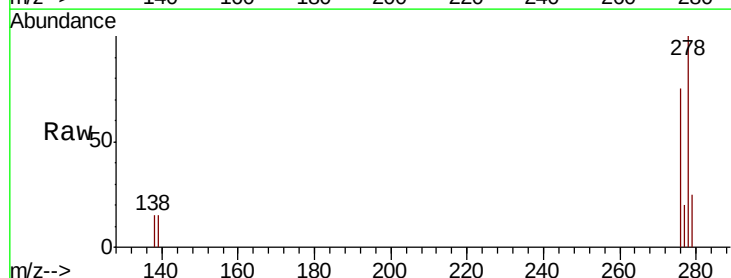


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

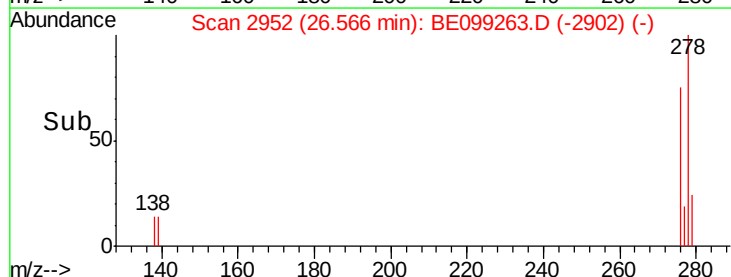
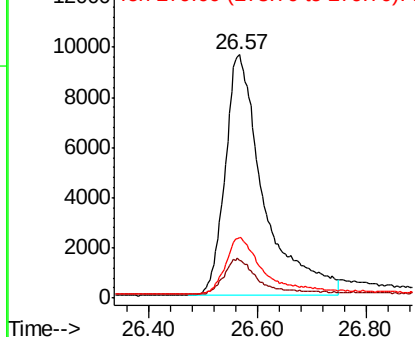


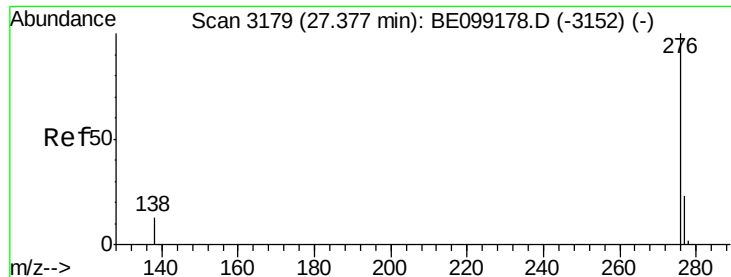
#38  
Dibenzo(a,h)anthracene  
Concen: 0.417 ng  
RT: 26.57 min Scan# 2952  
Delta R.T. -0.02 min  
Lab File: BE099263.D  
Acq: 29 Mar 2019 20:14

Tgt Ion: 278 Resp: 47654  
Ion Ratio Lower Upper  
278 100  
139 15.4 9.5 14.3#  
279 25.1 19.1 28.7



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: 0.406 ng

RT: 27.36 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BE099263.D

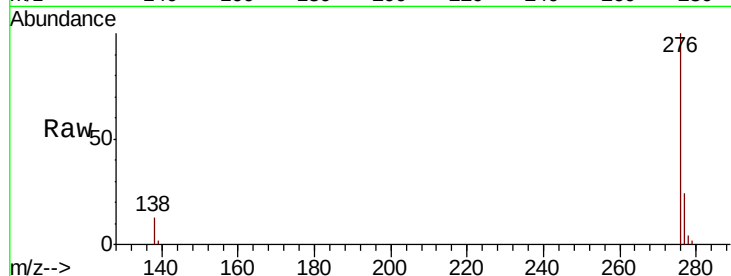
Acq: 29 Mar 2019 20:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC



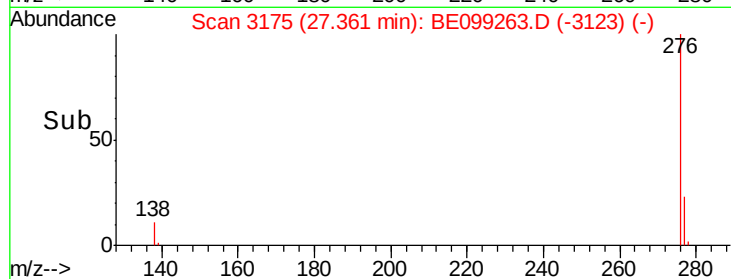
Tgt Ion: 276 Resp: 46504

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 12.9 11.1 16.7



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

