

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032519\  
 Data File : BE099193.D  
 Acq On : 25 Mar 2019 23:22  
 Operator : JU/SJ  
 Sample : K2020-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS036-190318

Quant Time: Mar 26 07:10:09 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 | 7.84  | 152  | 3188     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 14406    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 10906    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 31310    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 34510    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.90 | 264  | 32871    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 1602     | 0.17 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 1404     | 0.10 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 4274     | 0.36 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 10398    | 0.37 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 1551     | 0.48 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 17496    | 0.39 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 149332   | 0.39 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 29104    | 0.39 | ng    | 0.00     |

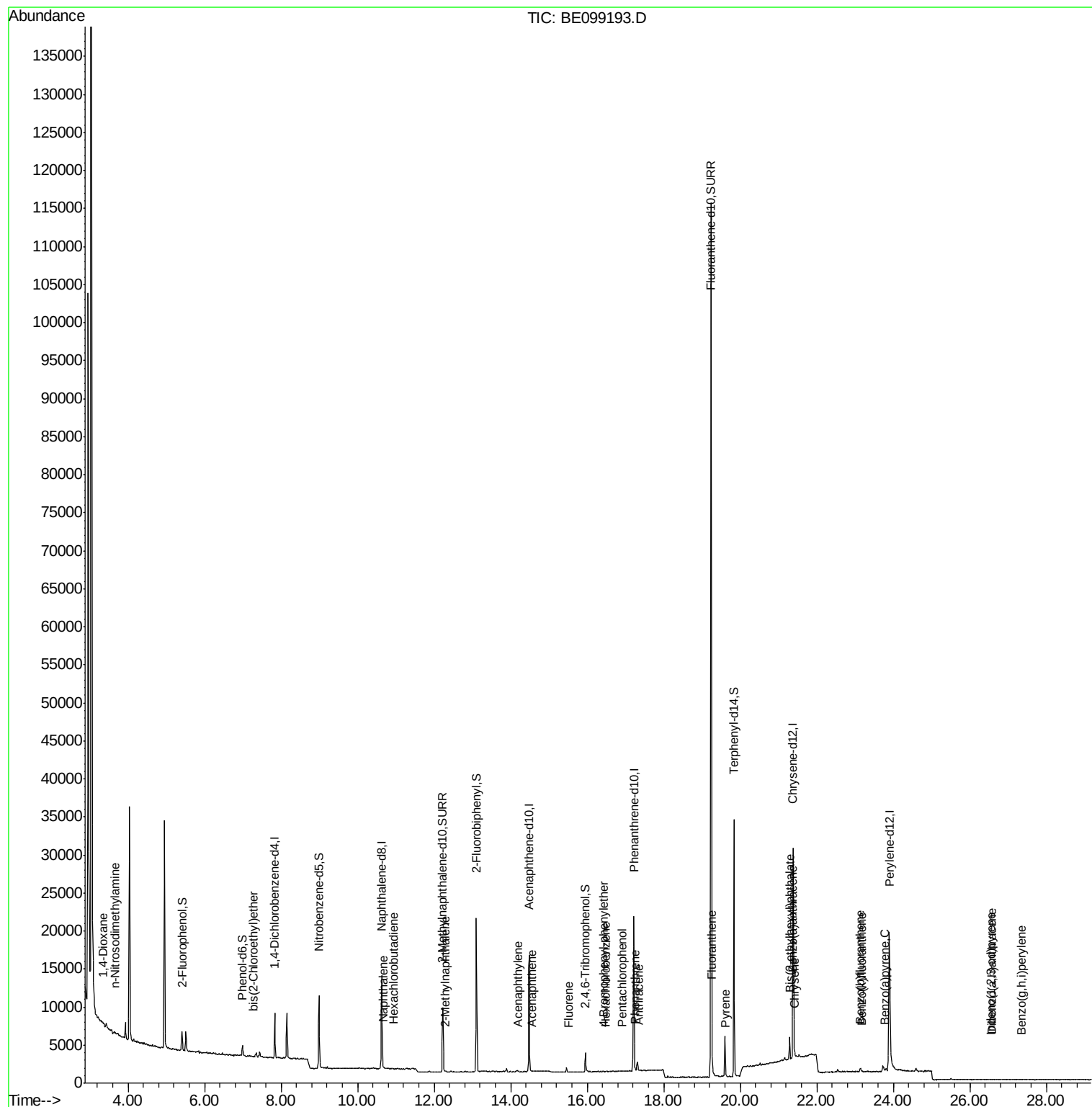
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 372      | 0.088 | ng    | # 30   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 120      | 0.051 | ng    | # 15   |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 15       | 0.001 | ng    | # 5    |
| 9) Naphthalene                 | 10.67 | 128  | 525      | 0.003 | ng    | # 67   |
| 10) Hexachlorobutadiene        | 10.94 | 225  | 5        | 0.001 | ng    | # 19   |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 42       | 0.001 | ng    | # 73   |
| 16) Acenaphthylene             | 14.20 | 152  | 23       | 0.000 | ng    | # 1    |
| 17) Acenaphthene               | 14.54 | 154  | 3        | 0.000 | ng    | # 1    |
| 18) Fluorene                   | 15.51 | 166  | 35       | 0.001 | ng    | # 24   |
| 20) 4-Bromophenyl-phenylether  | 16.44 | 248  | 10       | 0.000 | ng    | # 51   |
| 21) Hexachlorobenzene          | 16.48 | 284  | 19       | 0.001 | ng    | # 43   |
| 22) Pentachlorophenol          | 16.91 | 266  | 27       | 0.248 | ng    | 84     |
| 23) Phenanthrene               | 17.26 | 178  | 143      | 0.002 | ng    | # 72   |
| 24) Anthracene                 | 17.35 | 178  | 92       | 0.001 | ng    | # 88   |
| 26) Fluoranthene               | 19.27 | 202  | 96       | 0.001 | ng    | # 85   |
| 28) Pyrene                     | 19.63 | 202  | 100      | 0.001 | ng    | # 73   |
| 30) Benzo(a)anthracene         | 21.37 | 228  | 262      | 0.002 | ng    | # 32   |
| 31) Chrysene                   | 21.43 | 228  | 198      | 0.002 | ng    | # 39   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 4231     | 0.031 | ng    | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 9        | 0.000 | ng    | # 1    |
| 35) Benzo(b)fluoranthene       | 23.13 | 252  | 198      | 0.002 | ng    | # 1    |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 104      | 0.001 | ng    | # 1    |
| 37) Benzo(a)pyrene             | 23.78 | 252  | 31       | 0.000 | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.58 | 278  | 20       | 0.000 | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.35 | 276  | 2        | 0.000 | ng    | # 1    |

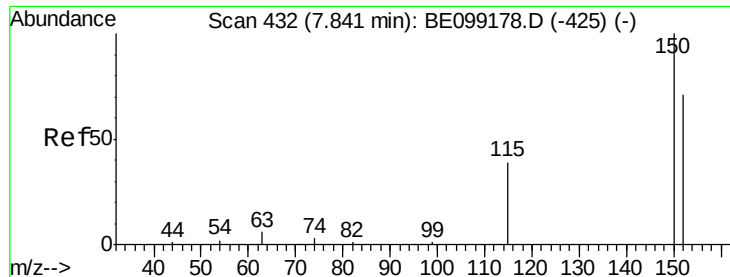
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

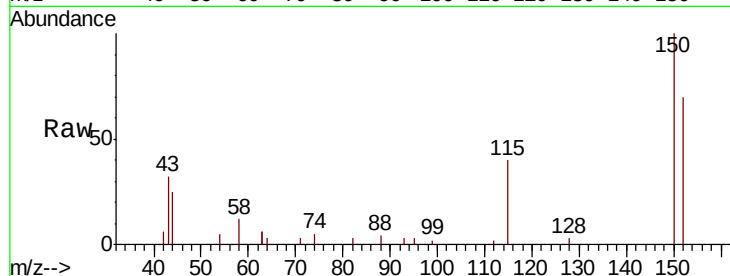
Tgt Ion: 152 Resp: 3188

Ion Ratio Lower Upper

152 100

150 142.8 112.8 169.2

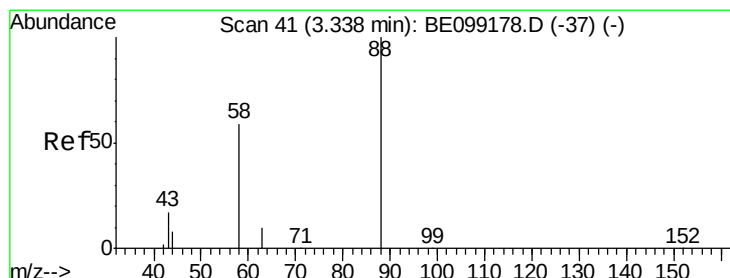
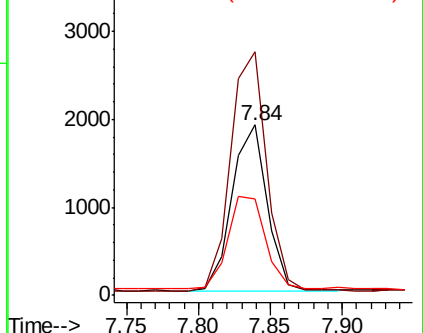
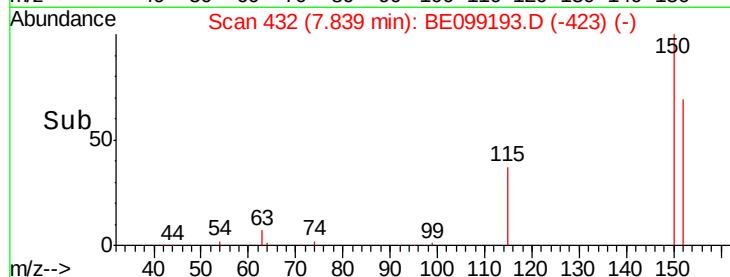
115 56.4 45.1 67.7



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: 0.088 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

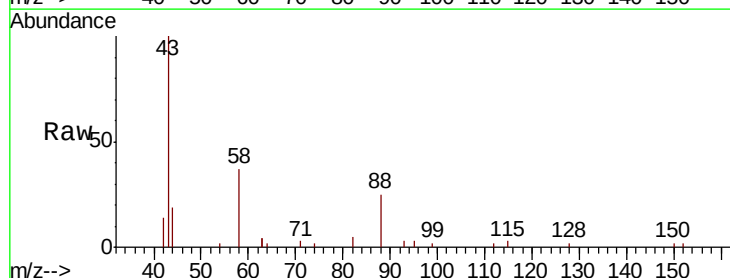
Tgt Ion: 88 Resp: 372

Ion Ratio Lower Upper

88 100

58 0.0 47.4 71.0#

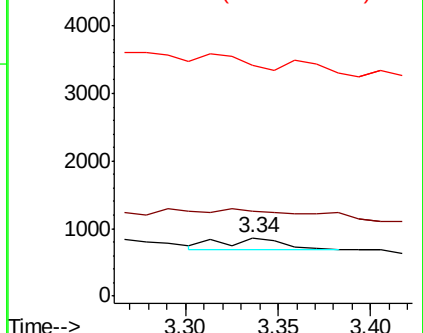
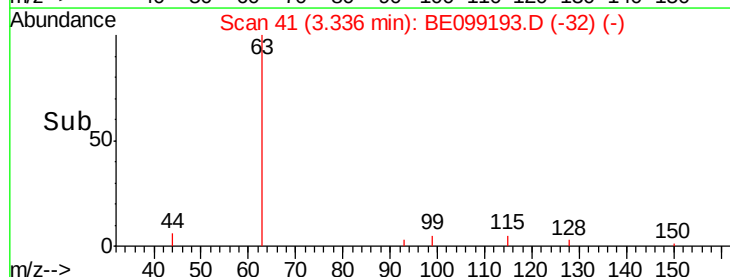
43 0.0 15.6 23.4#

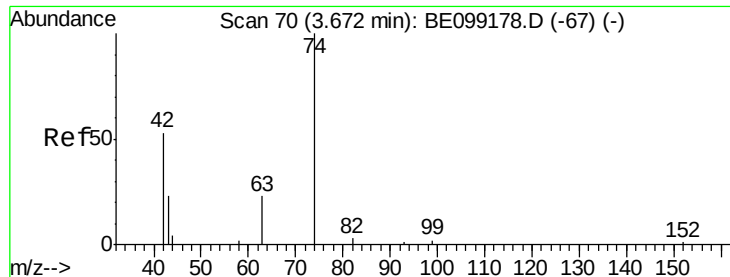


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.051 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

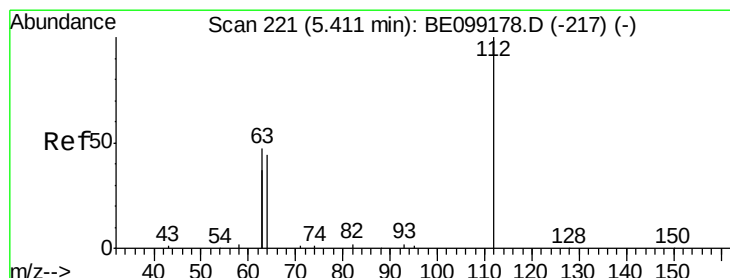
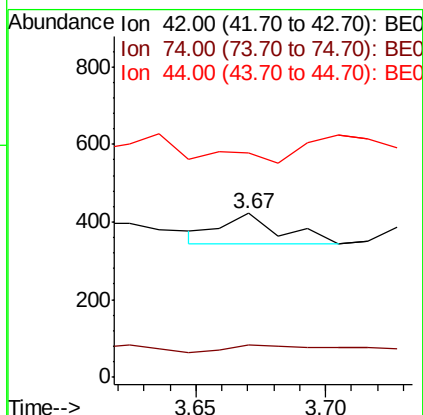
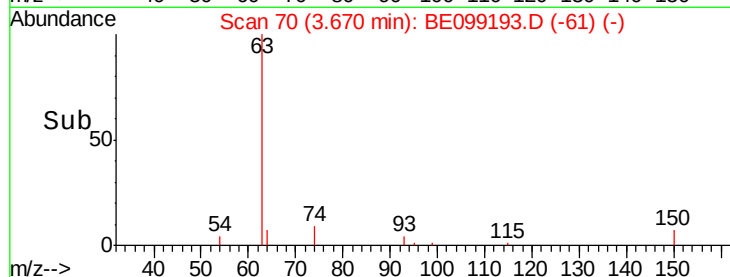
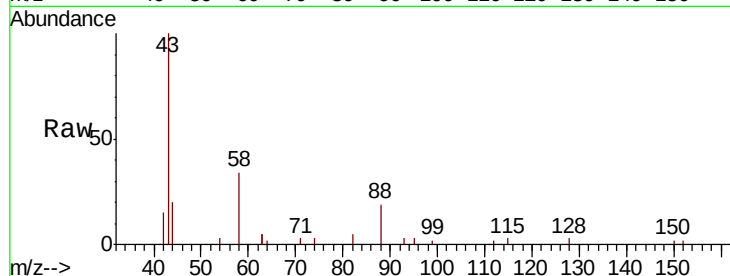
Tgt Ion: 42 Resp: 120

Ion Ratio Lower Upper

42 100

74 48.3 138.6 207.8#

44 0.0 15.0 22.6#



#4

2-Fluorophenol

Concen: 0.168 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

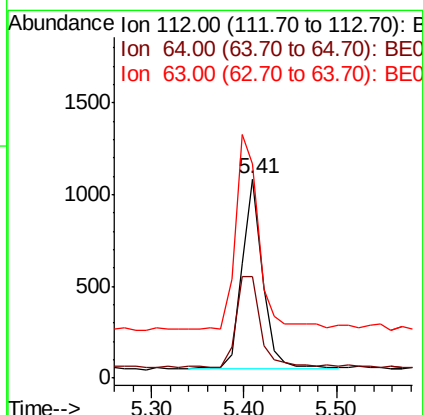
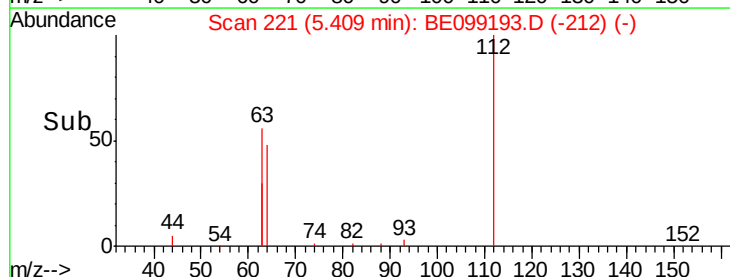
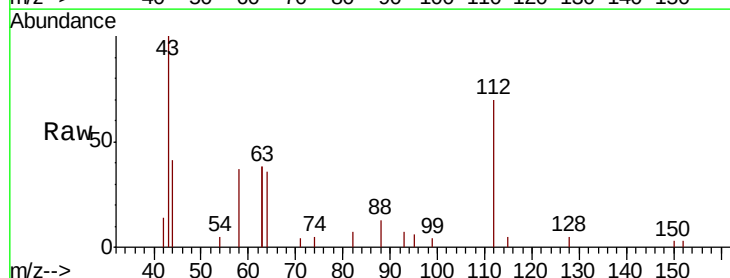
Tgt Ion: 112 Resp: 1602

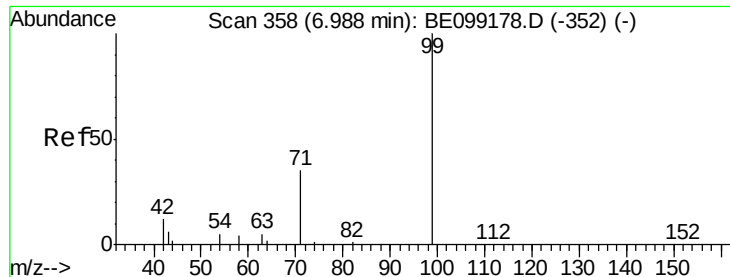
Ion Ratio Lower Upper

112 100

64 57.8 46.2 69.2

63 115.5 89.9 134.9





#5

Phenol-d6

Concen: 0.097 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

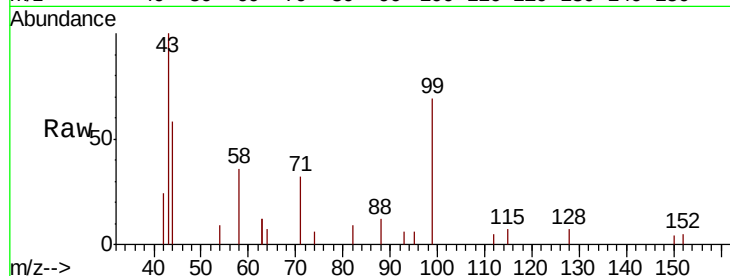
Tgt Ion: 99 Resp: 1404

Ion Ratio Lower Upper

99 100

42 16.5 12.4 18.6

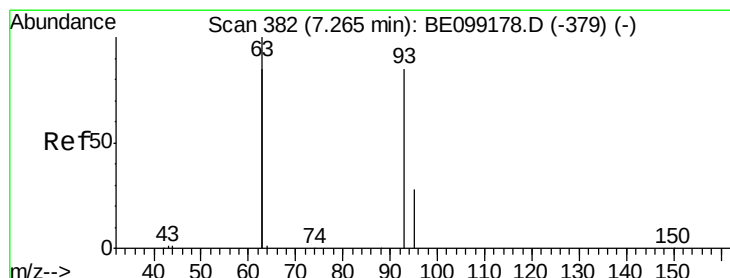
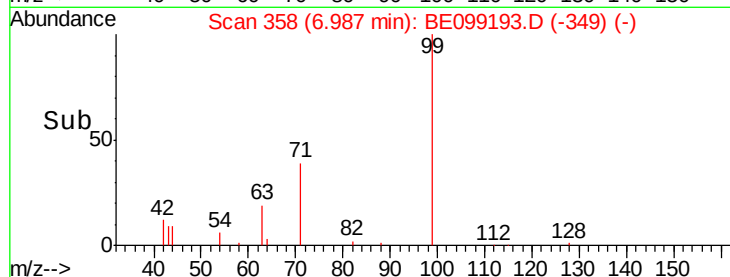
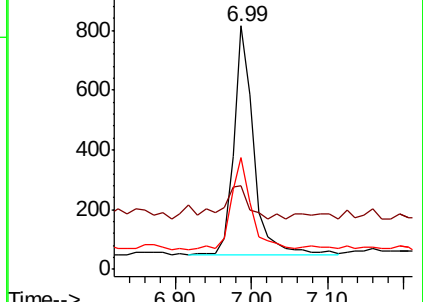
71 41.2 28.4 42.6



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: 0.001 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

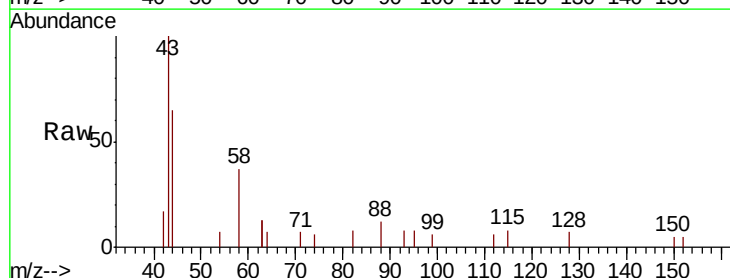
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 386.7 221.4 332.0#

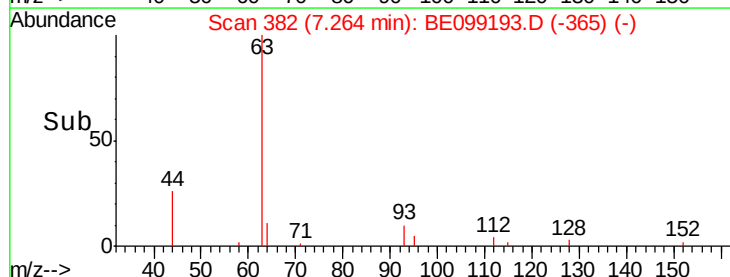
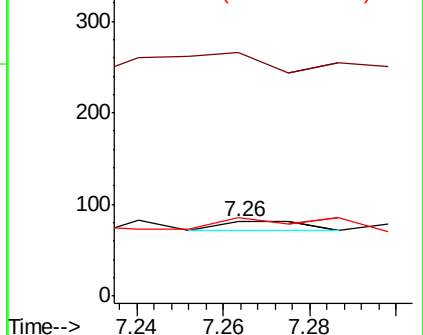
95 260.0 25.8 38.8#

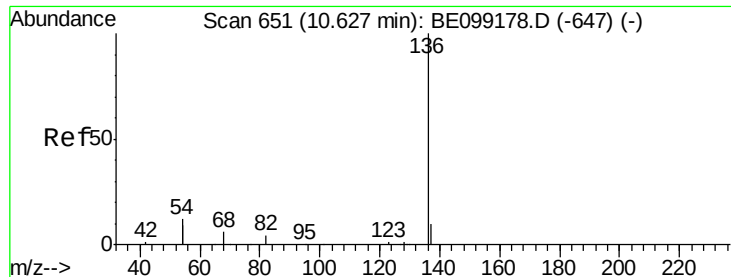


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

Tgt Ion:136 Resp: 14406

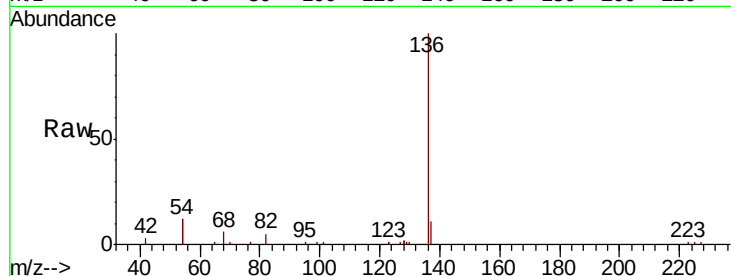
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 23.2 18.7 28.1

68 6.2 5.2 7.8

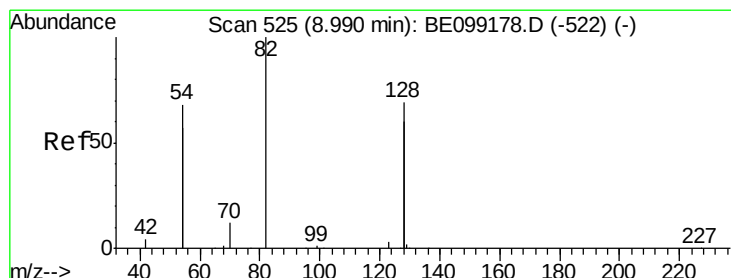
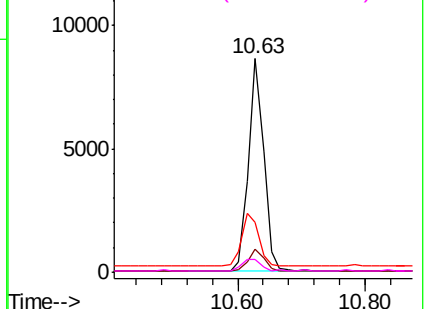
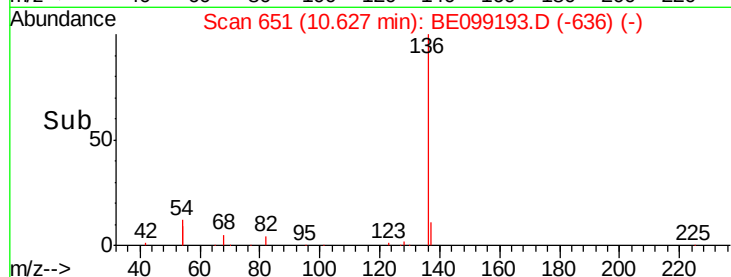


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

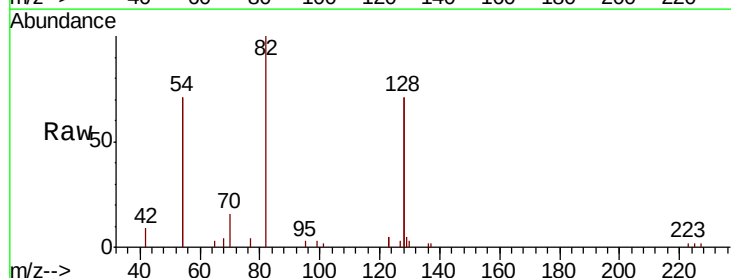
Tgt Ion: 82 Resp: 4274

Ion Ratio Lower Upper

82 100

128 141.9 107.5 161.3

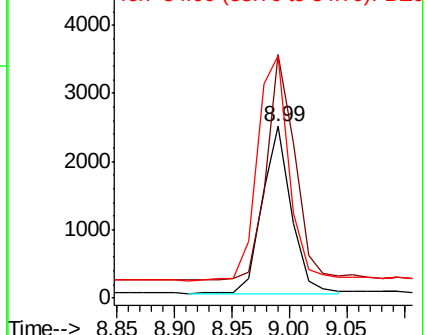
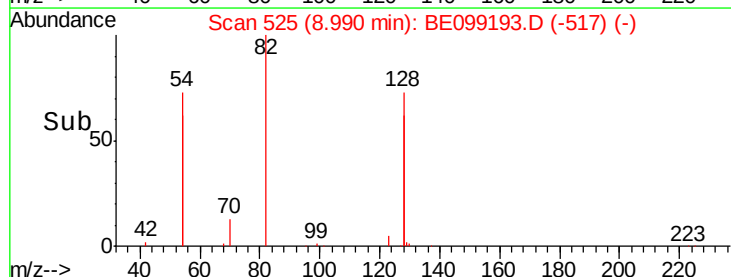
54 141.6 106.3 159.5

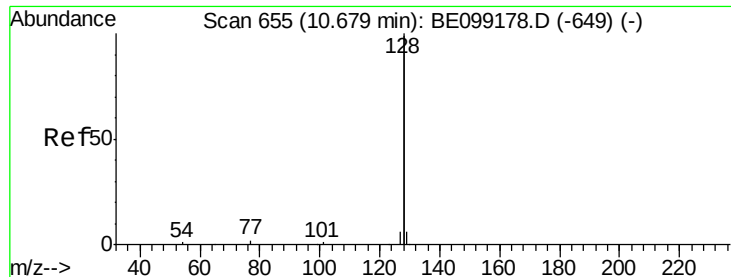


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.003 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

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KY038PS036-190318

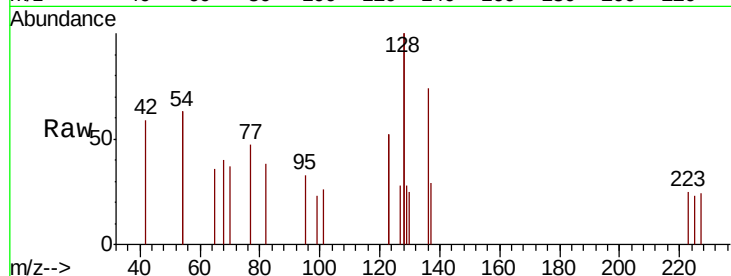
Tgt Ion:128 Resp: 525

Ion Ratio Lower Upper

128 100

129 14.0 2.3 3.5#

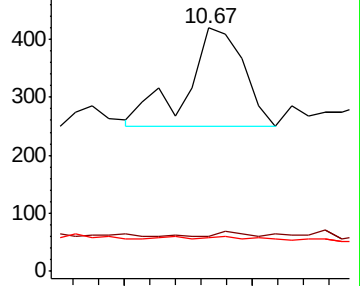
127 13.8 2.6 3.8#



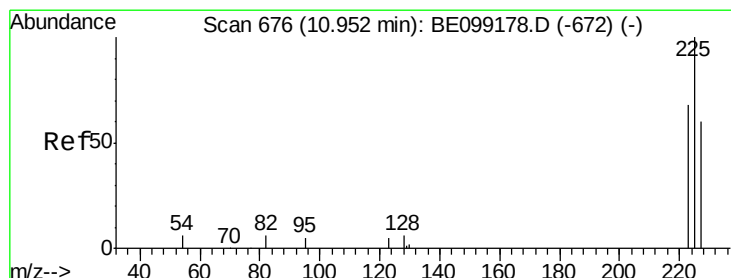
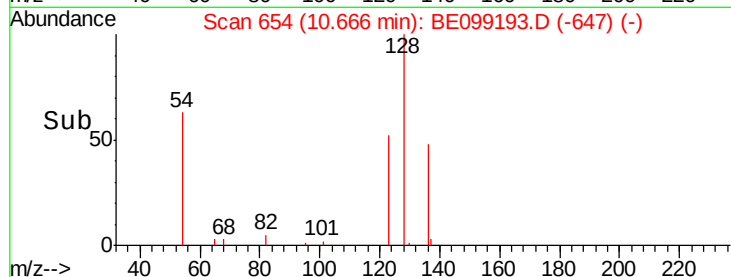
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

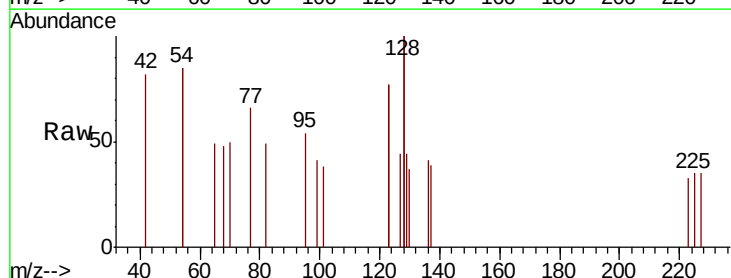
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

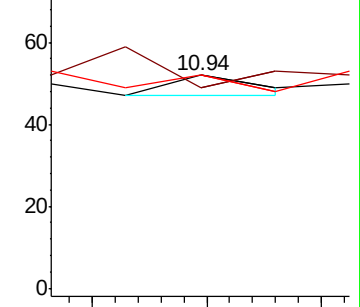
227 0.0 48.6 73.0#



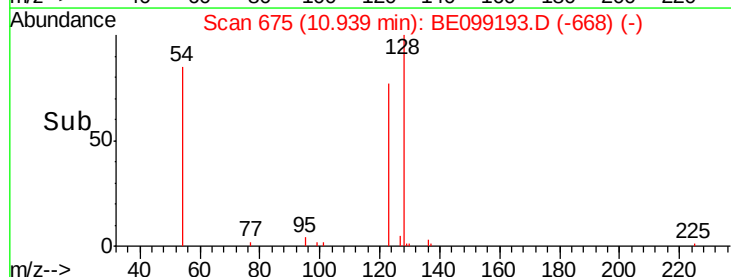
Abundance Ion 225.00 (224.70 to 225.70): E

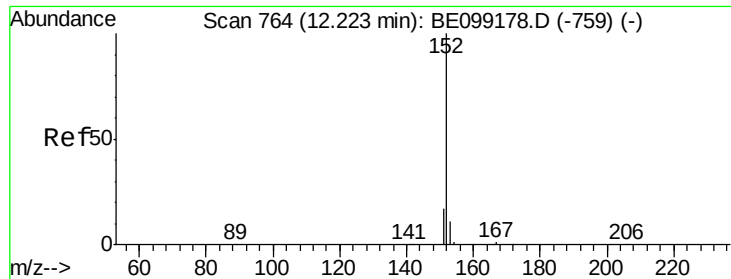
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->

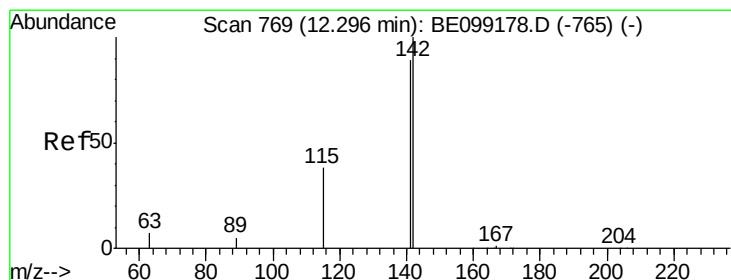
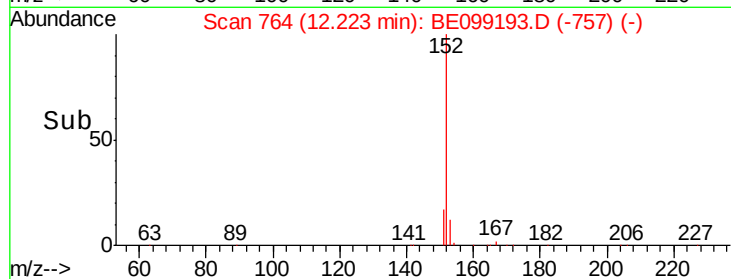
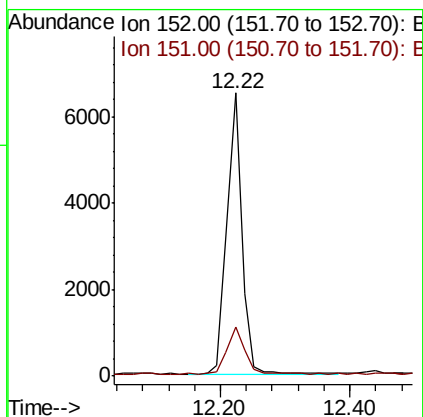
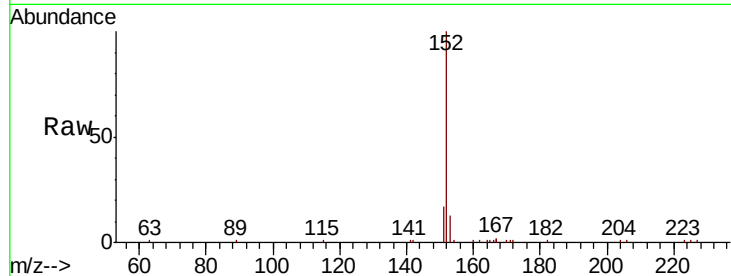




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.375 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BE099193.D  
 Acq: 25 Mar 2019 23:22

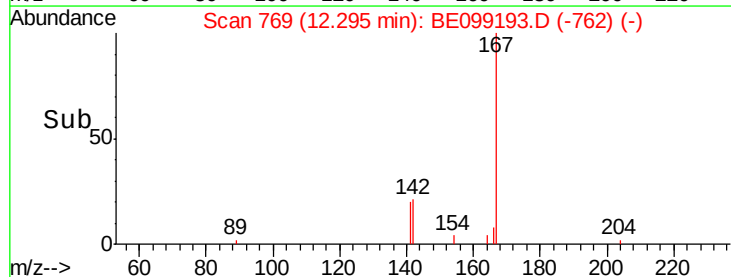
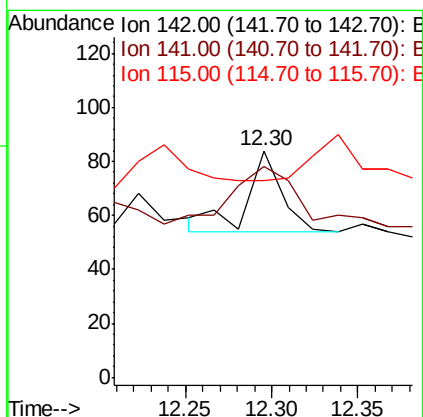
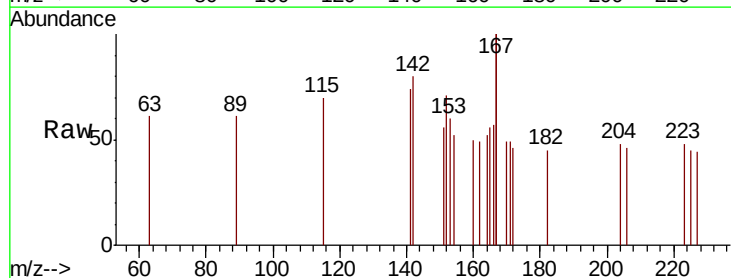
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS036-190318

Tgt Ion:152 Resp: 10398  
 Ion Ratio Lower Upper  
 152 100  
 151 19.3 15.0 22.6

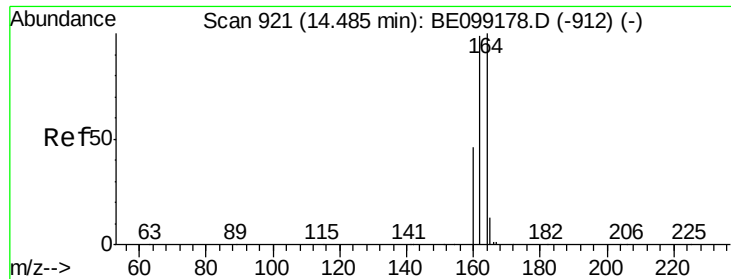


#12  
 2-Methylnaphthalene  
 Concen: 0.001 ng  
 RT: 12.30 min Scan# 769  
 Delta R.T. -0.00 min  
 Lab File: BE099193.D  
 Acq: 25 Mar 2019 23:22

Tgt Ion:142 Resp: 42  
 Ion Ratio Lower Upper  
 142 100  
 141 92.9 71.3 106.9  
 115 86.9 30.4 45.6#



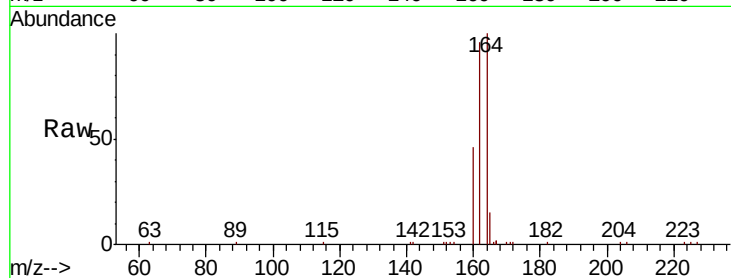




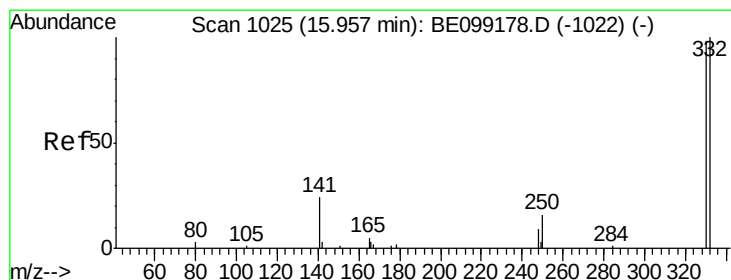
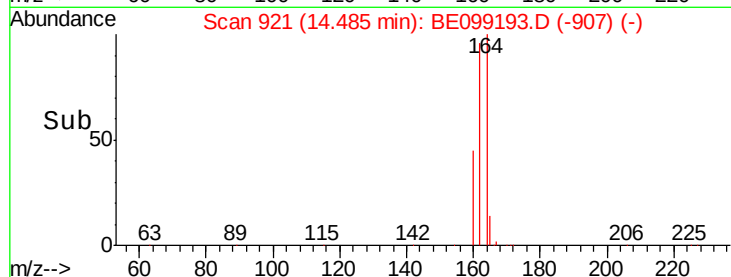
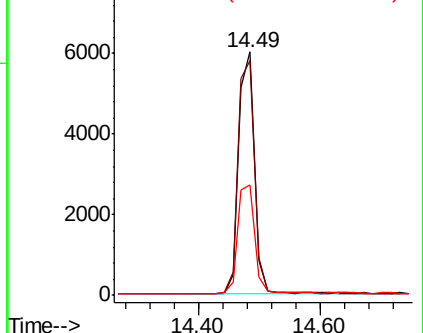
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BE099193.D  
Acq: 25 Mar 2019 23:22

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS036-190318

Tgt Ion:164 Resp: 10906  
Ion Ratio Lower Upper  
164 100  
162 96.4 79.2 118.8  
160 45.6 36.7 55.1

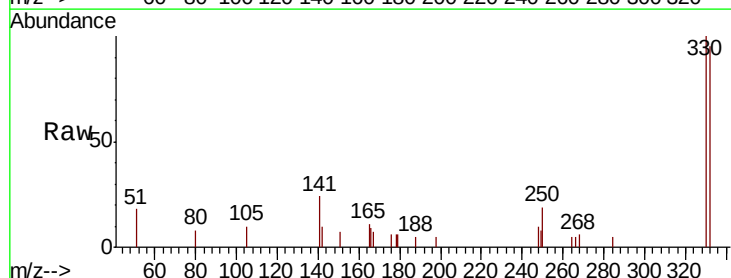


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

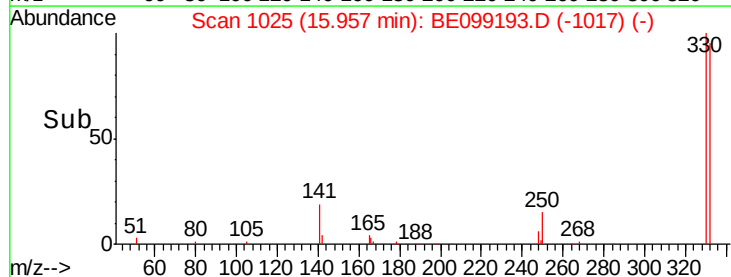
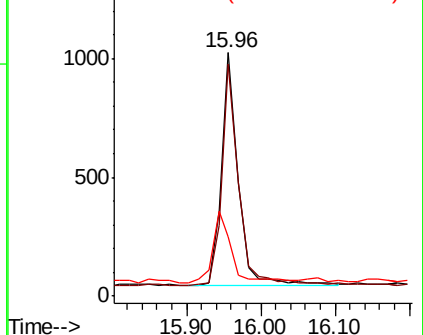


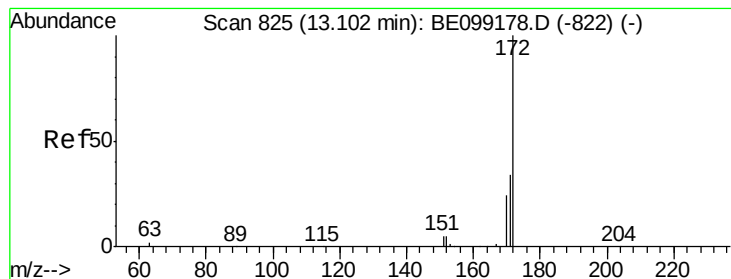
#14  
2,4,6-Tribromophenol  
Concen: 0.479 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE099193.D  
Acq: 25 Mar 2019 23:22

Tgt Ion:330 Resp: 1551  
Ion Ratio Lower Upper  
330 100  
332 94.2 71.3 106.9  
141 34.0 21.7 32.5#



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: 0.394 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

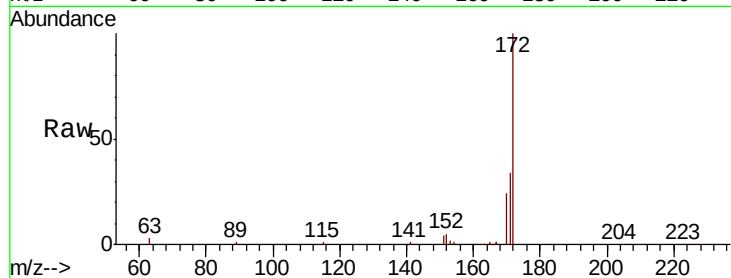
Tgt Ion:172 Resp: 17496

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

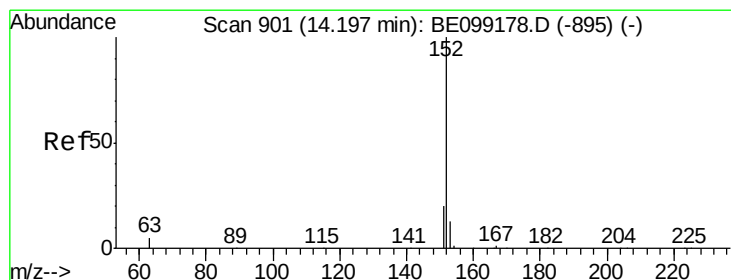
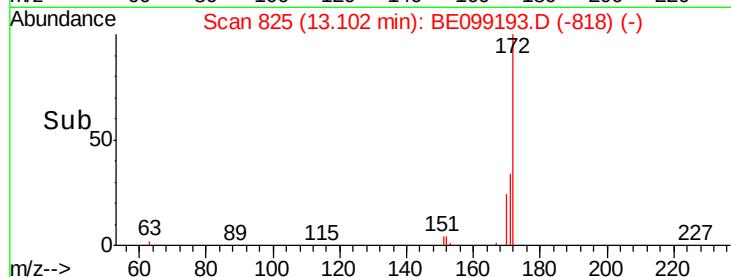
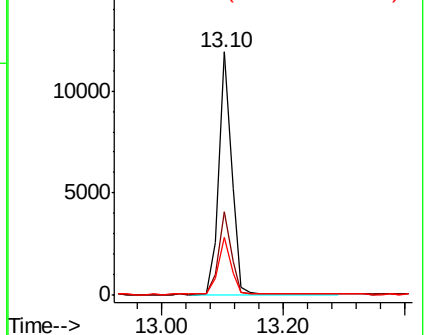
170 24.1 19.1 28.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.000 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

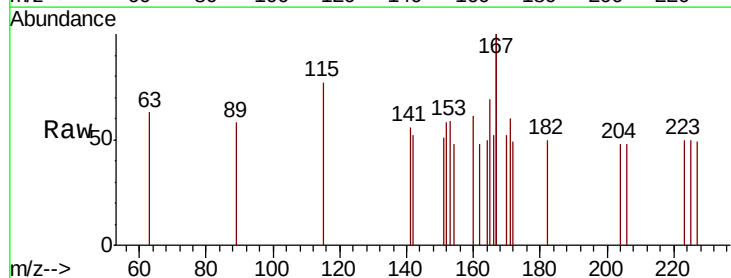
Tgt Ion:152 Resp: 23

Ion Ratio Lower Upper

152 100

151 43.5 15.7 23.5#

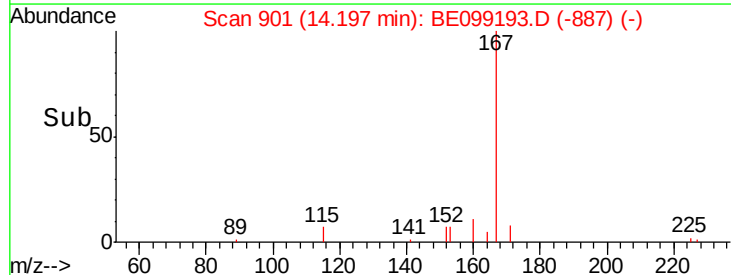
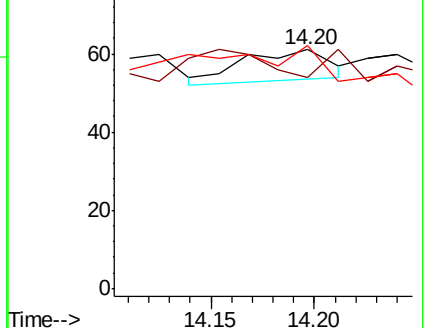
153 230.4 10.6 15.8#

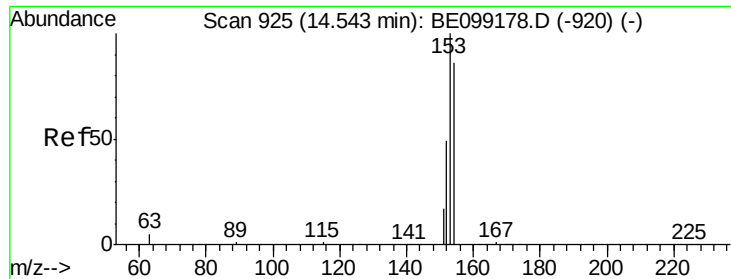


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.000 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

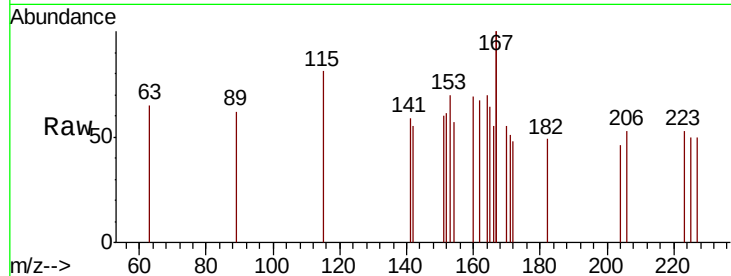
Tgt Ion:154 Resp: 3

Ion Ratio Lower Upper

154 100

153 1800.0 93.4 140.0#

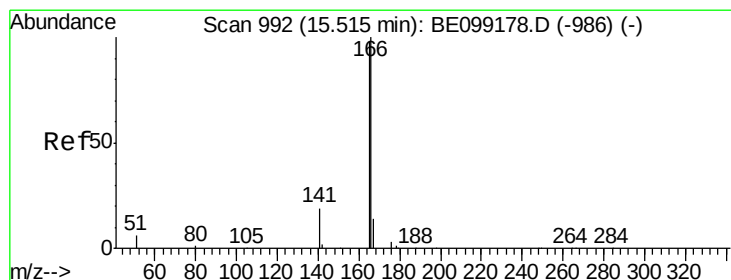
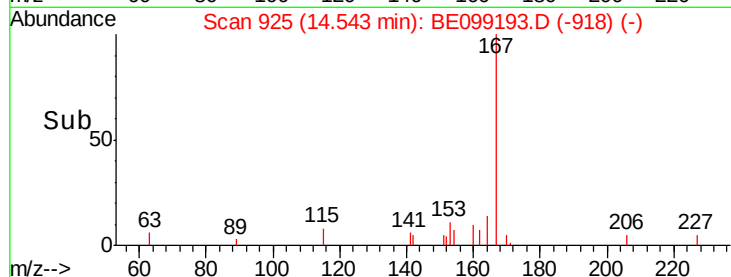
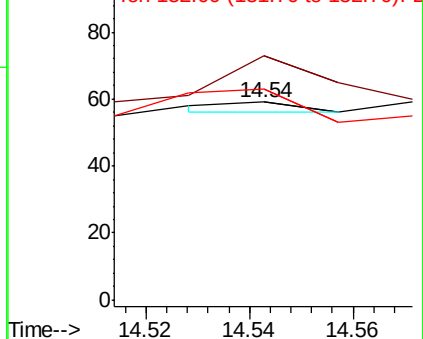
152 733.3 46.6 69.8#



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: 0.001 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

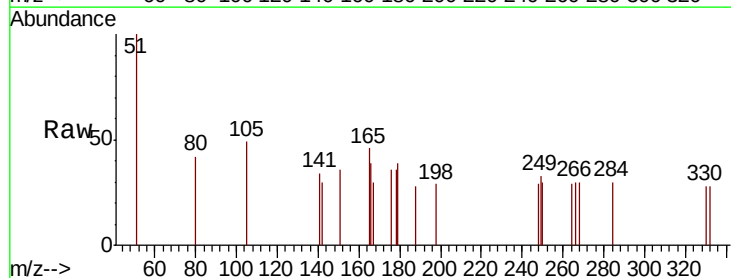
Tgt Ion:166 Resp: 35

Ion Ratio Lower Upper

166 100

165 180.0 78.9 118.3#

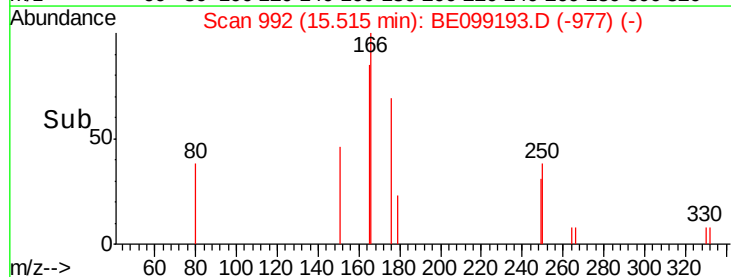
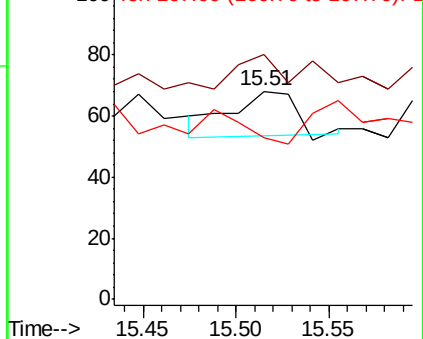
167 0.0 10.9 16.3#

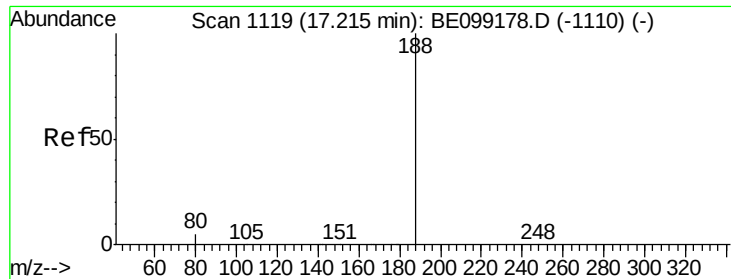


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

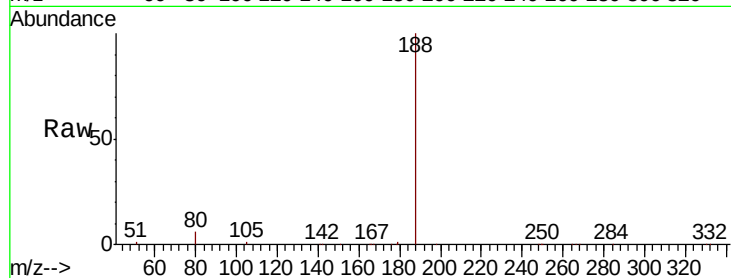
Tgt Ion:188 Resp: 31310

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

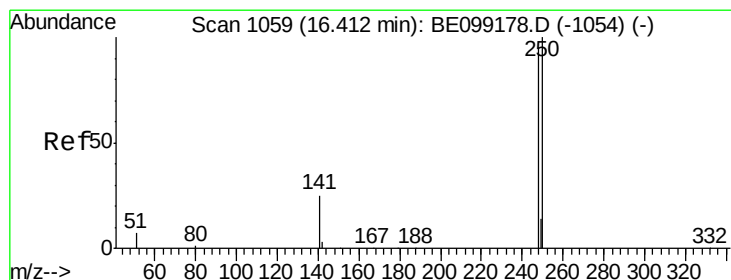
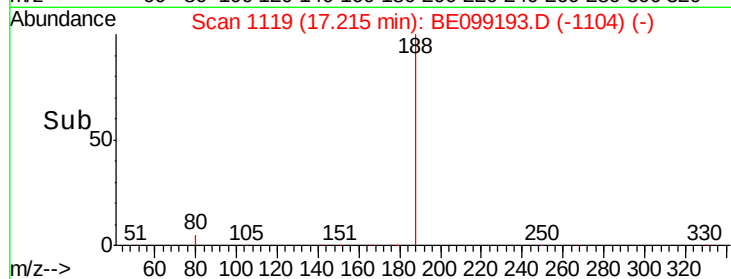
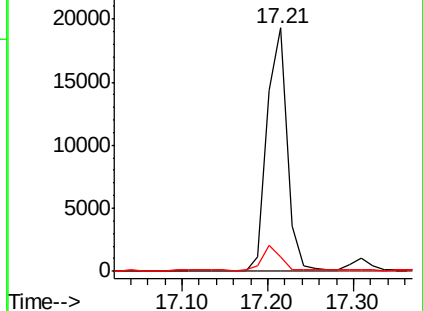
80 5.7 4.5 6.7



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: 0.000 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.03 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

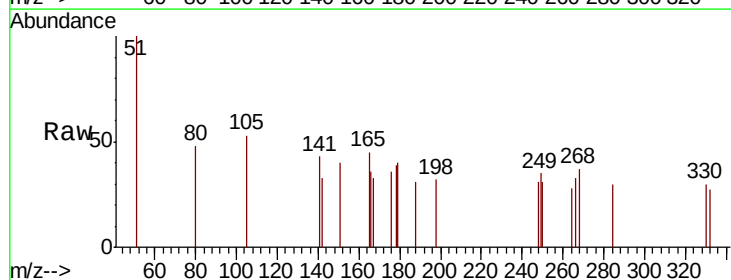
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 98.1 84.2 126.2

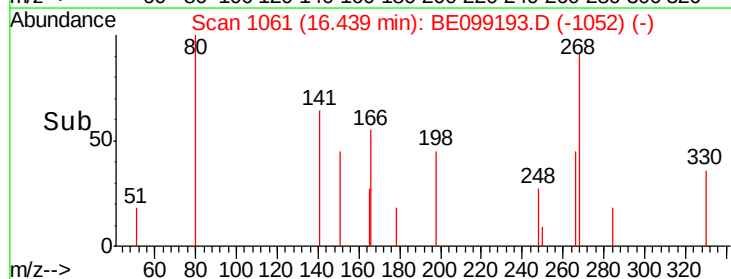
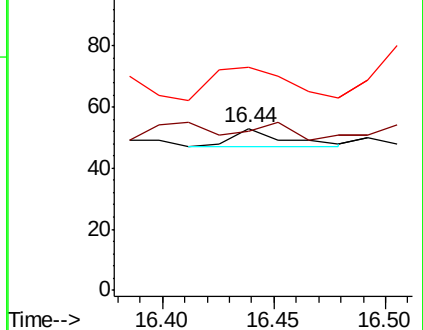
141 137.7 21.8 32.6#

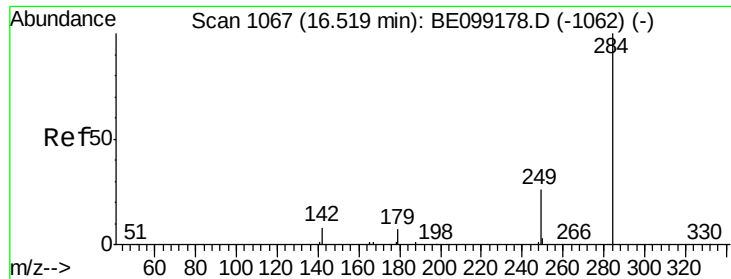


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.48 min Scan# 1064

Delta R.T. -0.04 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

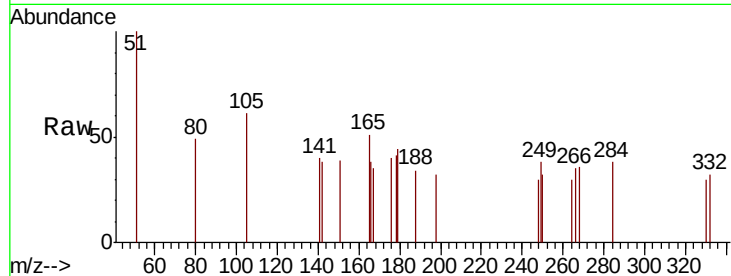
Tgt Ion:284 Resp: 19

Ion Ratio Lower Upper

284 100

142 0.0 22.7 34.1#

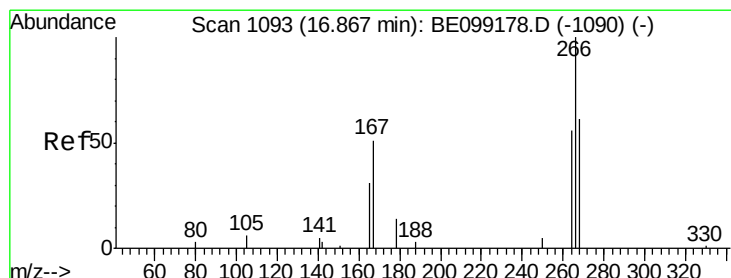
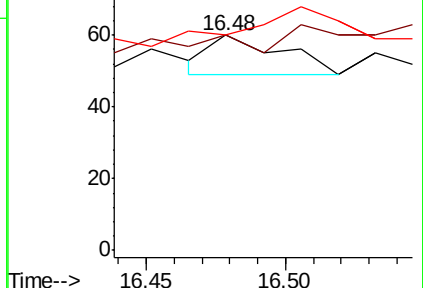
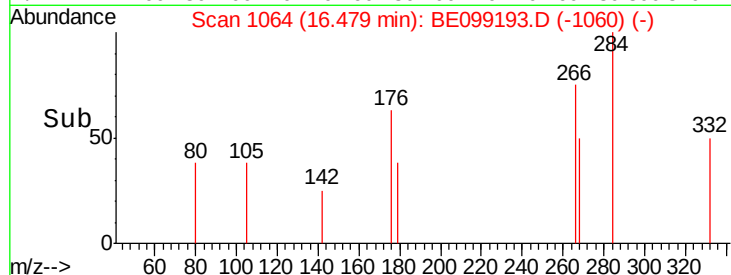
249 0.0 26.9 40.3#



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: 0.248 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.04 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

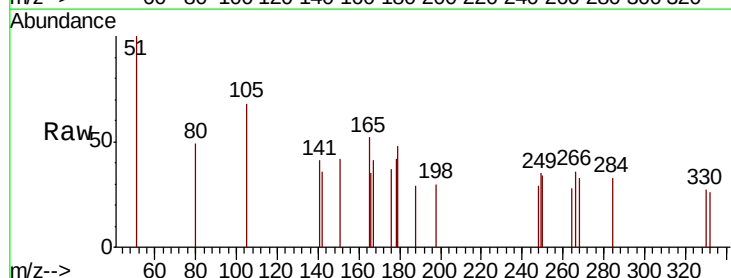
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 78.7 54.4 81.6

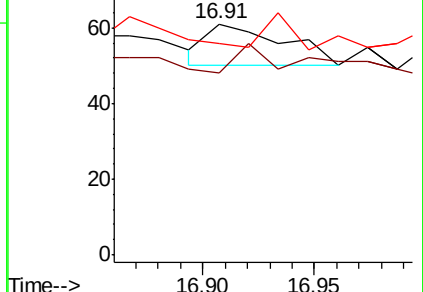
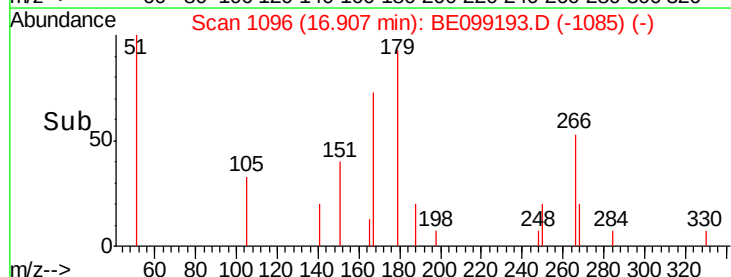
268 91.8 61.3 91.9

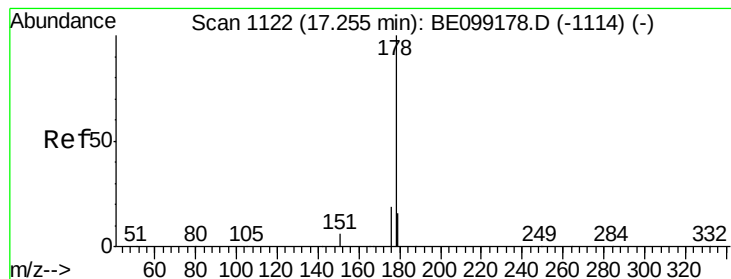


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.002 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

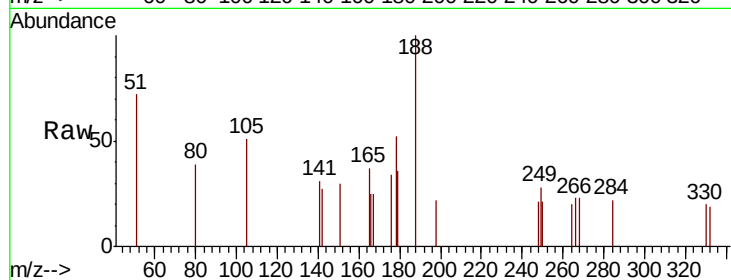
Tgt Ion:178 Resp: 143

Ion Ratio Lower Upper

178 100

176 28.7 15.4 23.2#

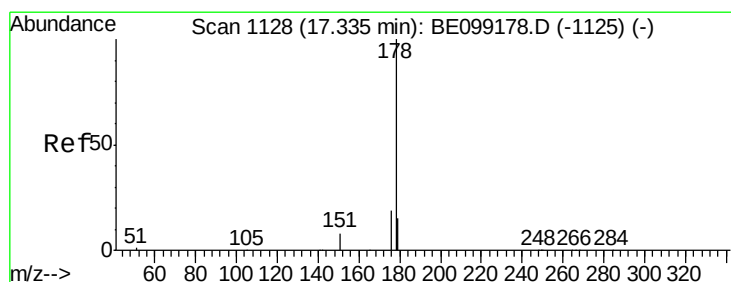
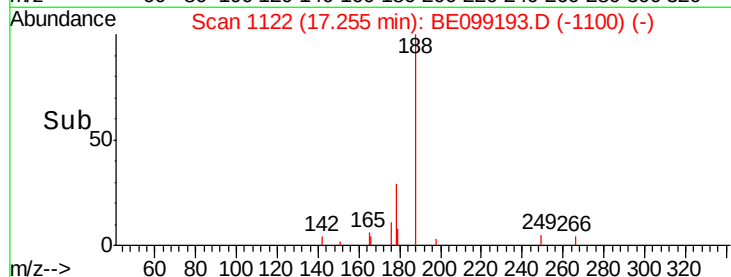
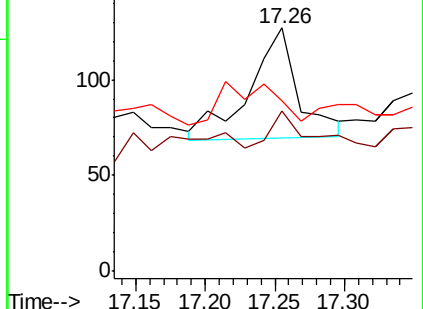
179 0.0 12.3 18.5#



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: 0.001 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

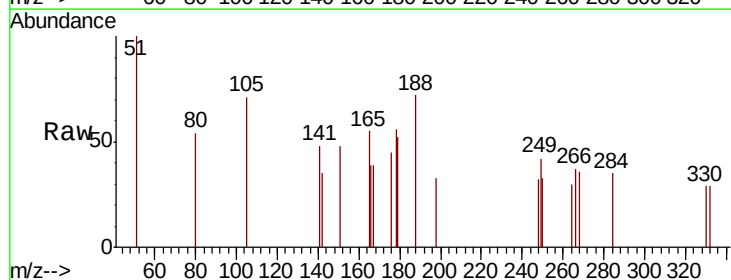
Tgt Ion:178 Resp: 92

Ion Ratio Lower Upper

178 100

176 21.7 15.1 22.7

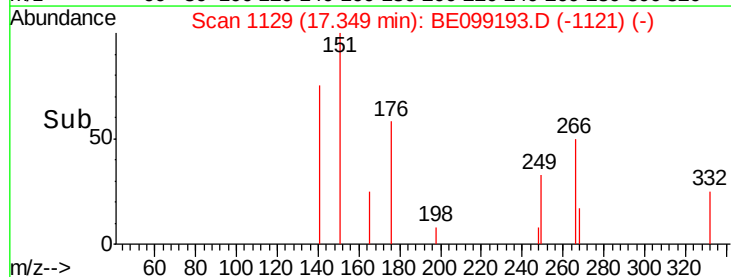
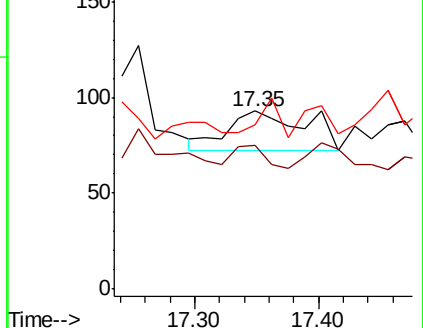
179 23.9 12.4 18.6#

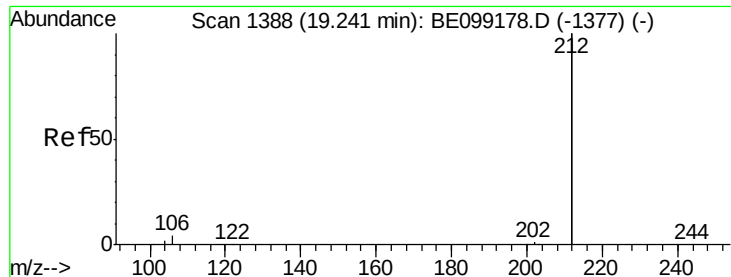


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

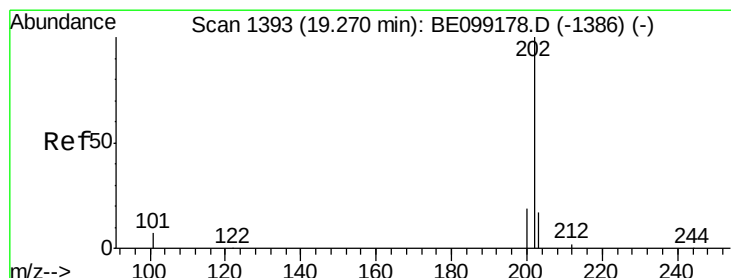
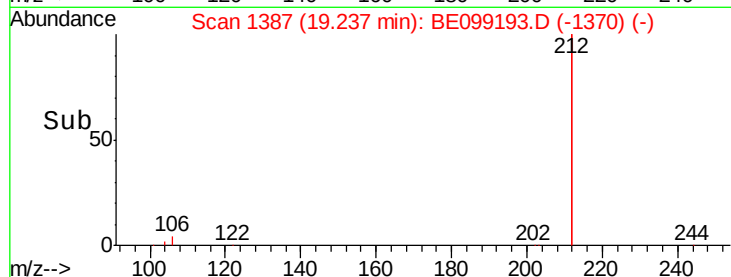
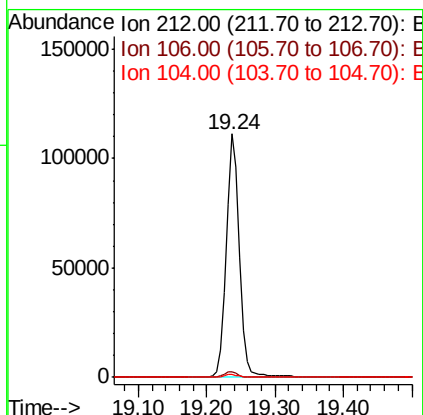
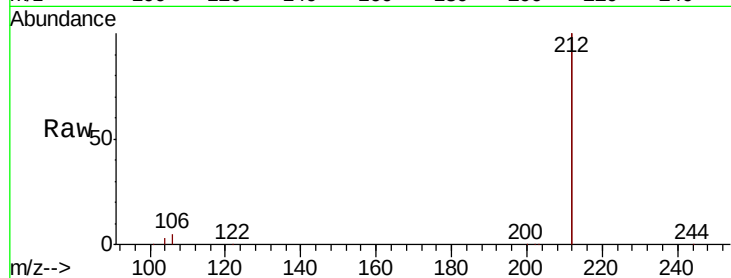




#25  
 Fluoranthene-d10  
 Concen: 0.394 ng  
 RT: 19.24 min Scan# 1387  
 Delta R.T. -0.00 min  
 Lab File: BE099193.D  
 Acq: 25 Mar 2019 23:22

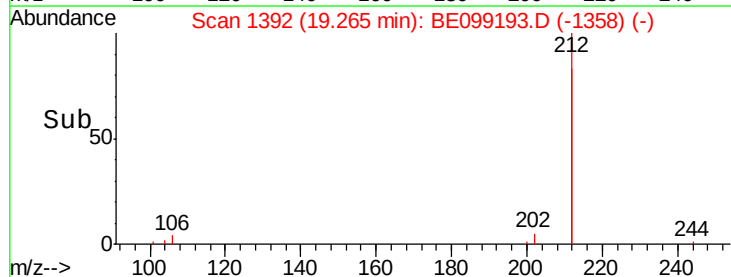
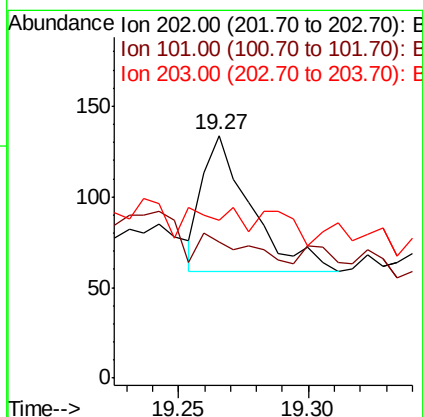
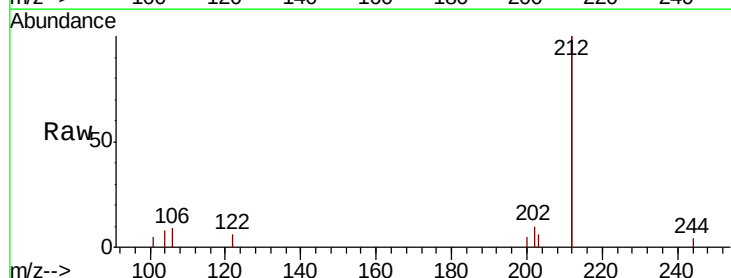
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS036-190318

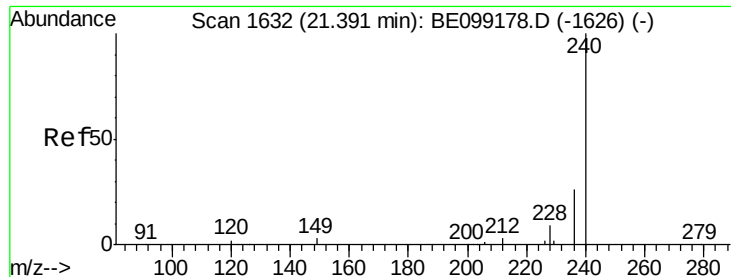
Tgt Ion: 212 Resp: 149332  
 Ion Ratio Lower Upper  
 212 100  
 106 2.4 1.8 2.8  
 104 1.4 1.1 1.7



#26  
 Fluoranthene  
 Concen: 0.001 ng  
 RT: 19.27 min Scan# 1392  
 Delta R.T. -0.00 min  
 Lab File: BE099193.D  
 Acq: 25 Mar 2019 23:22

Tgt Ion: 202 Resp: 96  
 Ion Ratio Lower Upper  
 202 100  
 101 0.0 7.0 10.4#  
 203 21.9 13.8 20.6#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

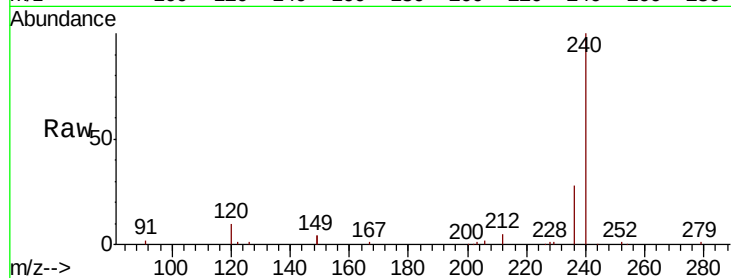
Tgt Ion:240 Resp: 34510

Ion Ratio Lower Upper

240 100

120 10.0 2.6 3.8#

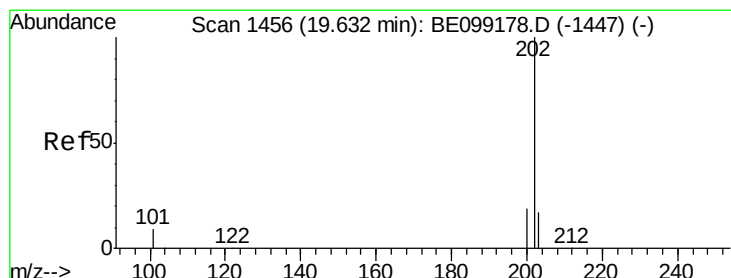
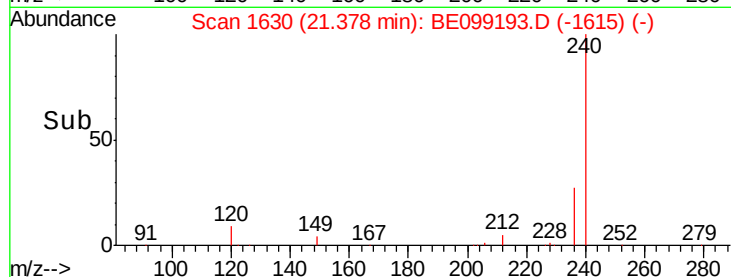
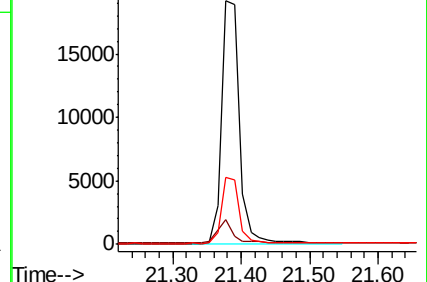
236 27.7 20.9 31.3



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: 0.001 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

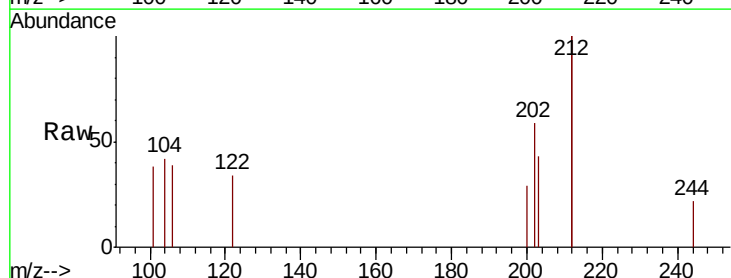
Tgt Ion:202 Resp: 100

Ion Ratio Lower Upper

202 100

200 31.0 15.8 23.8#

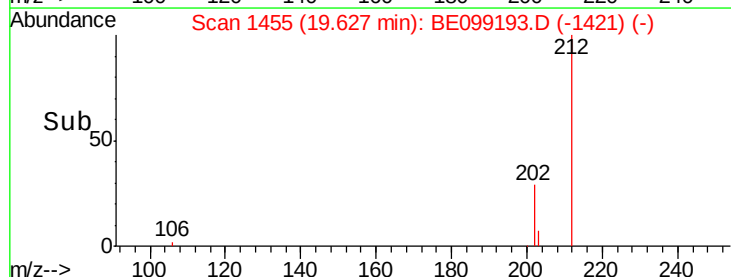
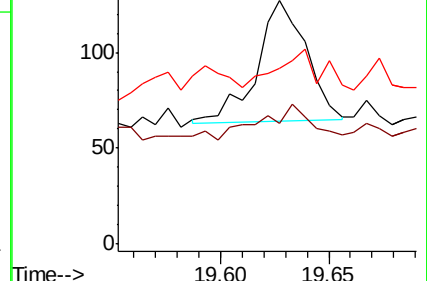
203 31.0 14.1 21.1#



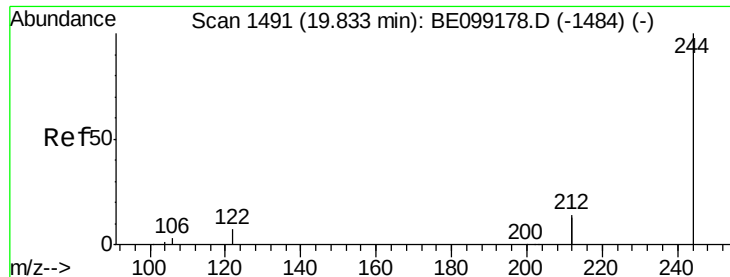
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.388 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

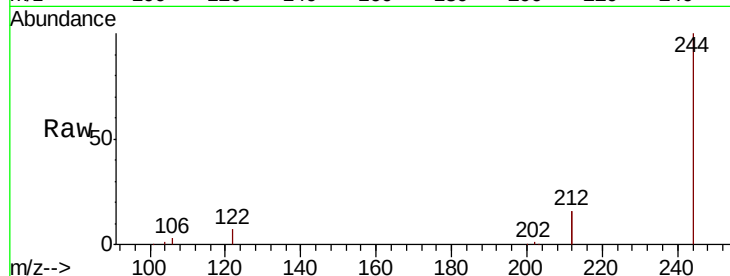
Tgt Ion:244 Resp: 29104

Ion Ratio Lower Upper

244 100

212 31.1 22.7 34.1

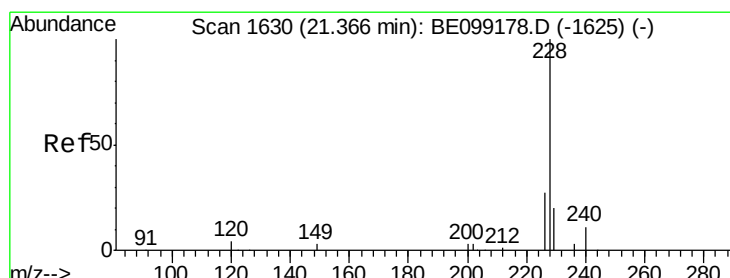
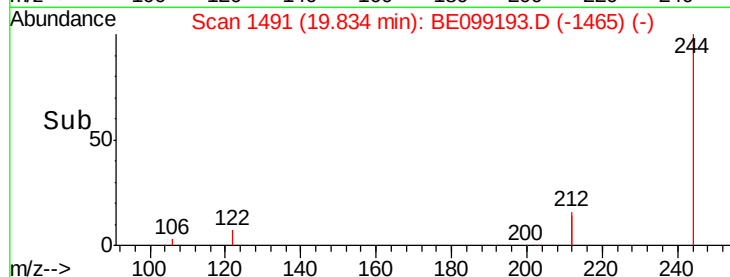
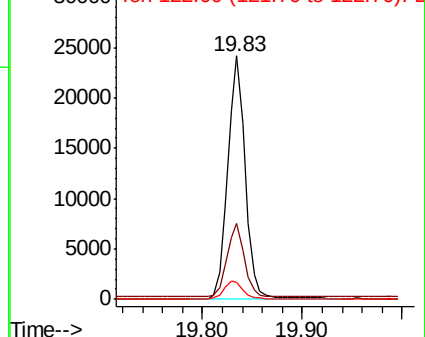
122 7.1 5.8 8.6



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: 0.002 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

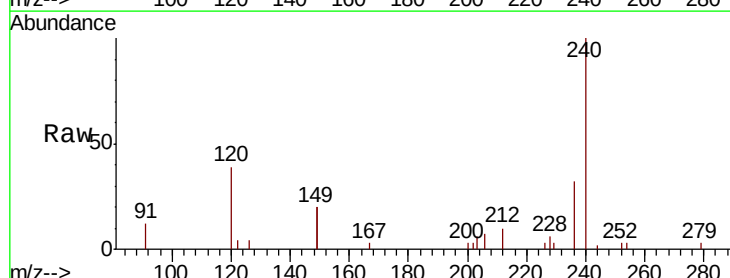
Tgt Ion:228 Resp: 262

Ion Ratio Lower Upper

228 100

226 57.4 21.7 32.5#

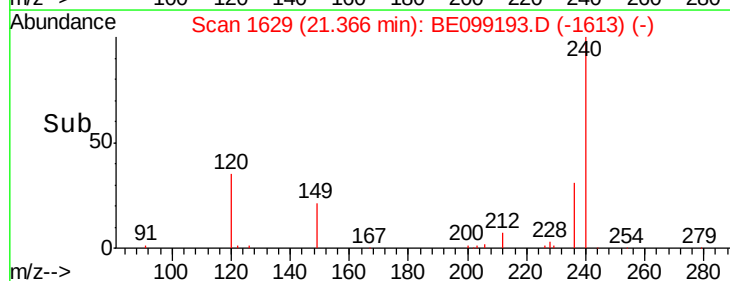
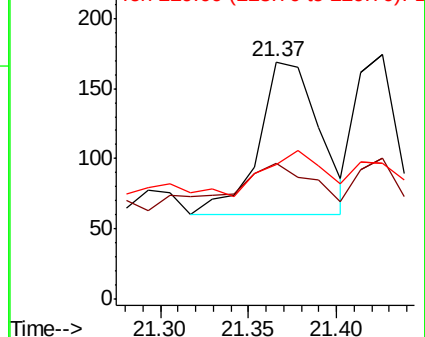
229 56.8 15.9 23.9#

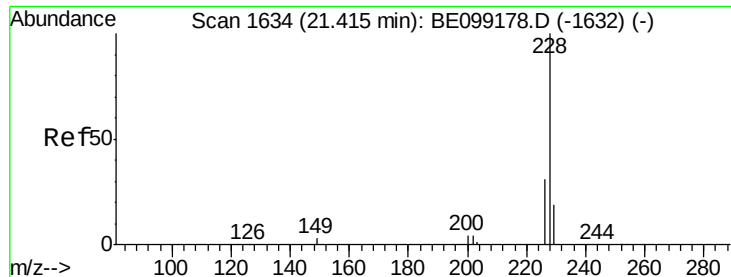


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.002 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

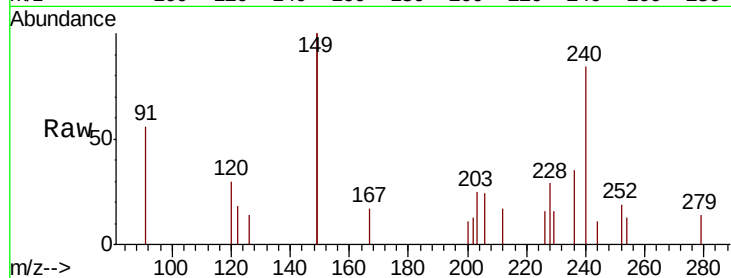
Tgt Ion: 228 Resp: 198

Ion Ratio Lower Upper

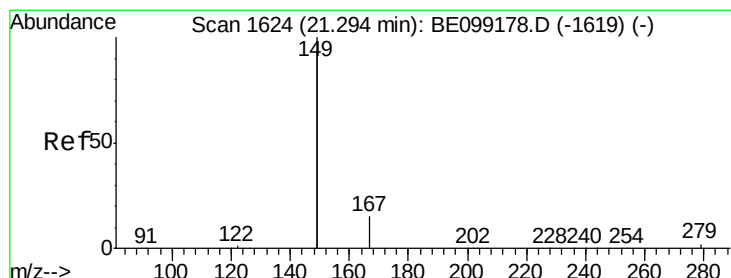
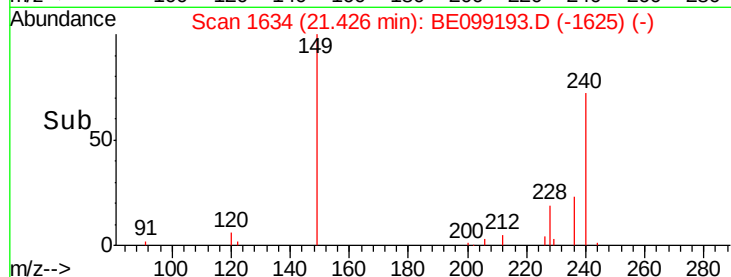
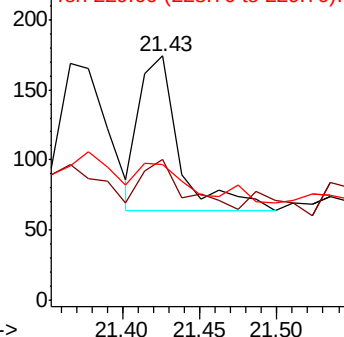
228 100

226 57.5 24.8 37.2#

229 55.7 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: 0.031 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

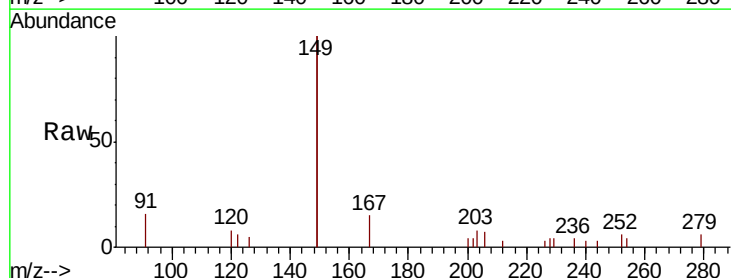
Tgt Ion: 149 Resp: 4231

Ion Ratio Lower Upper

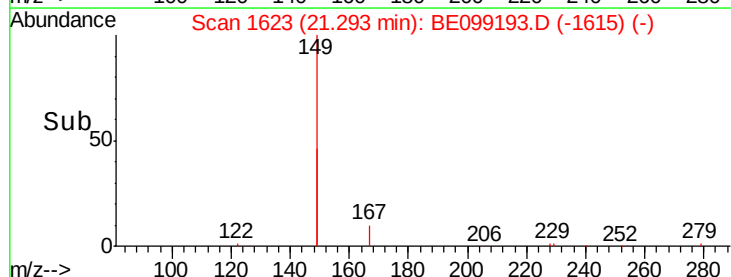
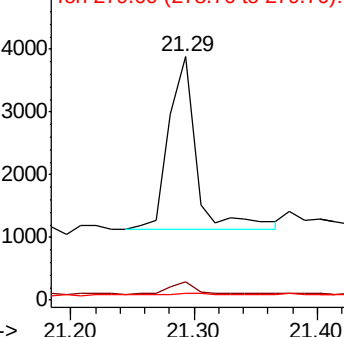
149 100

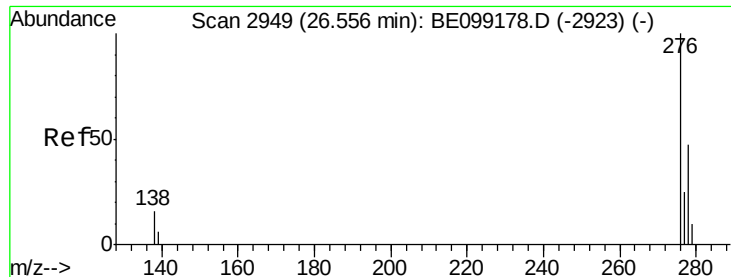
167 7.2 5.9 8.9

279 1.6 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: 0.000 ng

RT: 26.55 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

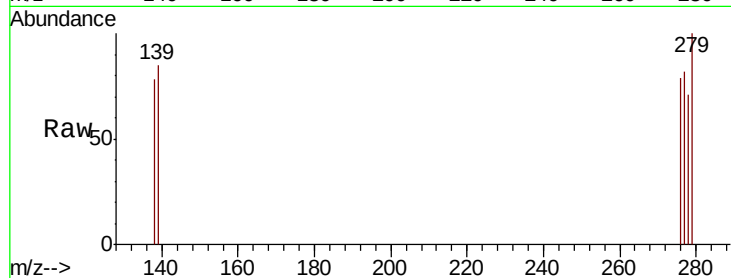
Tgt Ion:276 Resp: 9

Ion Ratio Lower Upper

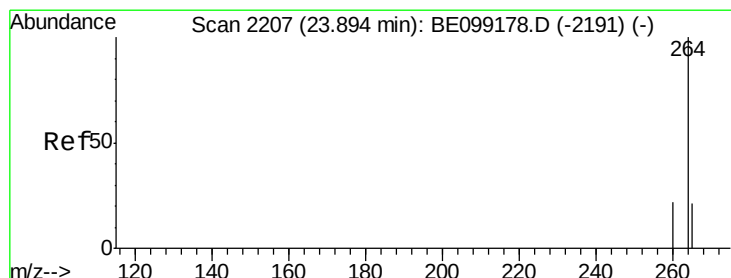
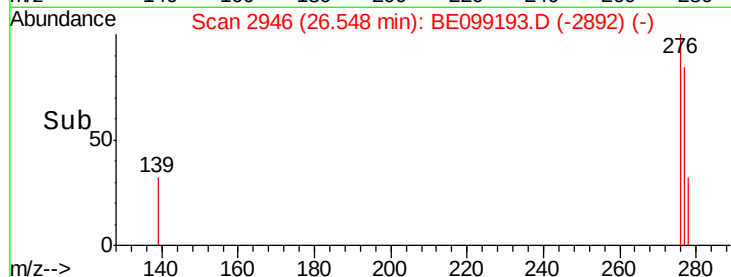
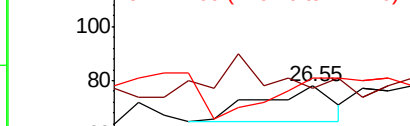
276 100

138 133.3 12.9 19.3#

277 166.7 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: 23.90 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

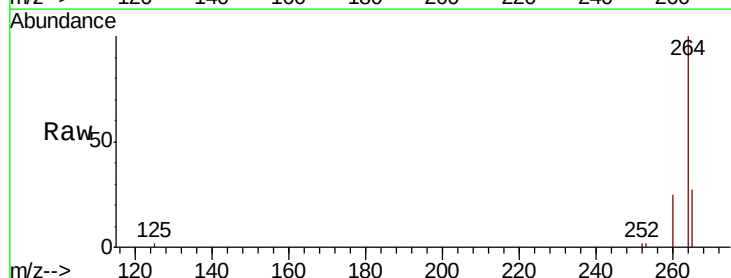
Tgt Ion:264 Resp: 32871

Ion Ratio Lower Upper

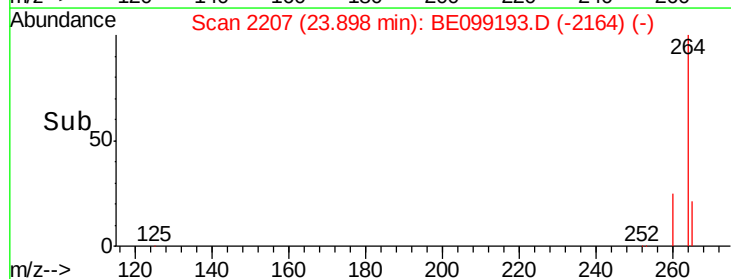
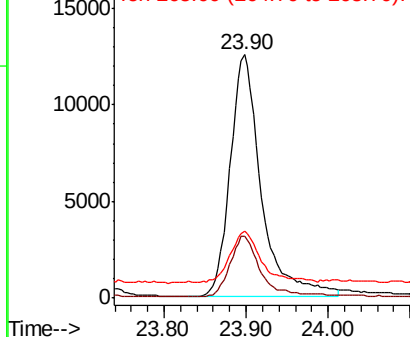
264 100

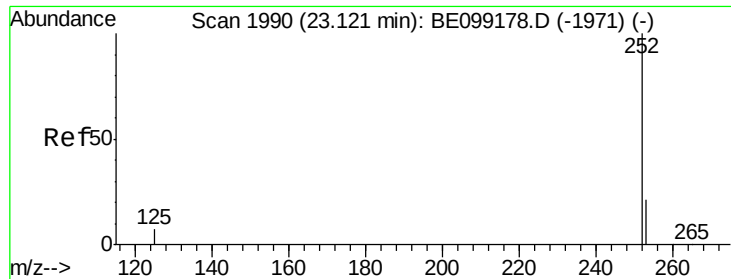
260 25.3 18.2 27.2

265 27.3 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: 0.002 ng

RT: 23.13 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

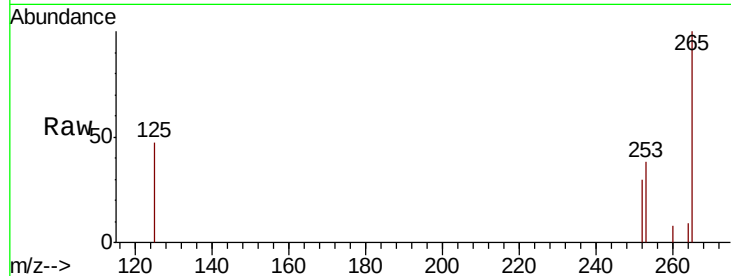
Tgt Ion: 252 Resp: 198

Ion Ratio Lower Upper

252 100

253 127.0 17.8 26.8#

125 155.2 6.1 9.1#

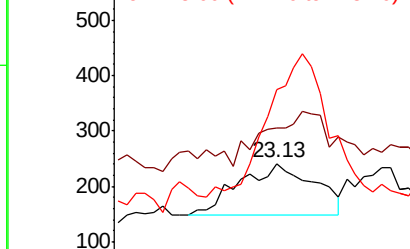


Abundance

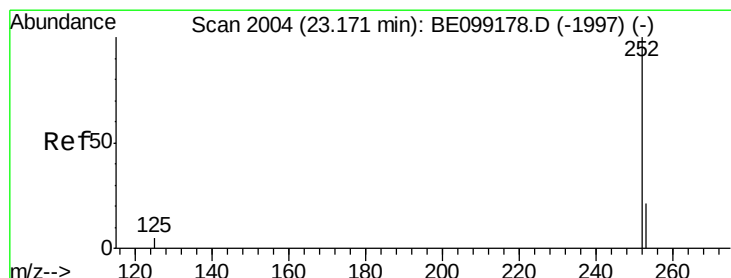
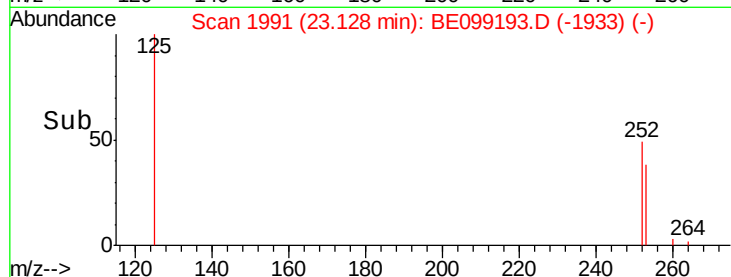
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.001 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

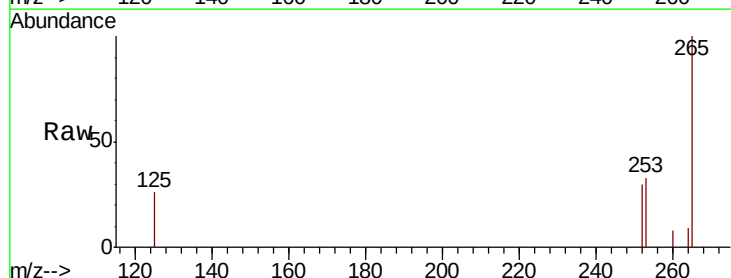
Tgt Ion: 252 Resp: 104

Ion Ratio Lower Upper

252 100

253 111.5 17.8 26.6#

125 87.6 5.9 8.9#

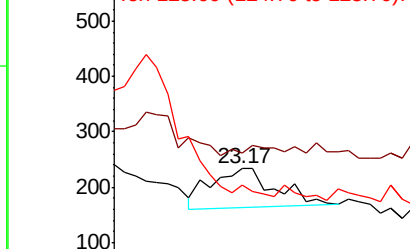


Abundance

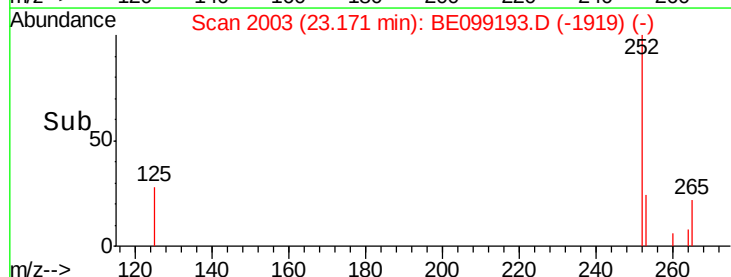
Ion 252.00 (251.70 to 252.70): E

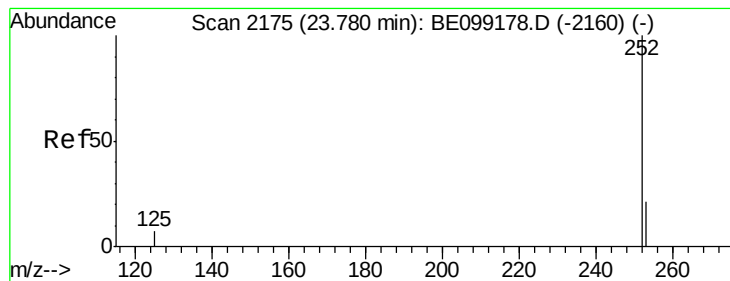
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.000 ng

RT: 23.78 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318

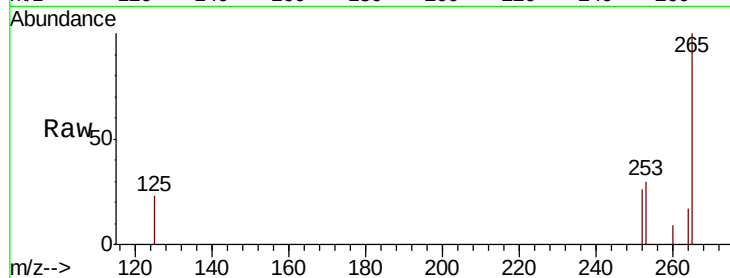
Tgt Ion:252 Resp: 31

Ion Ratio Lower Upper

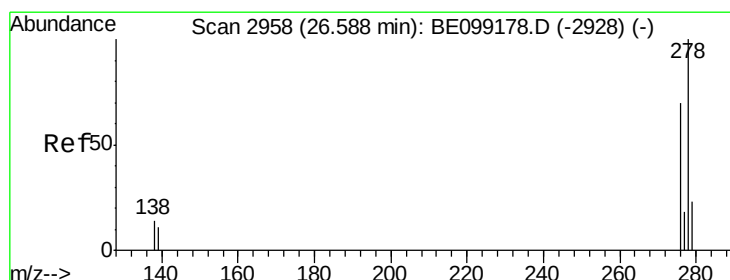
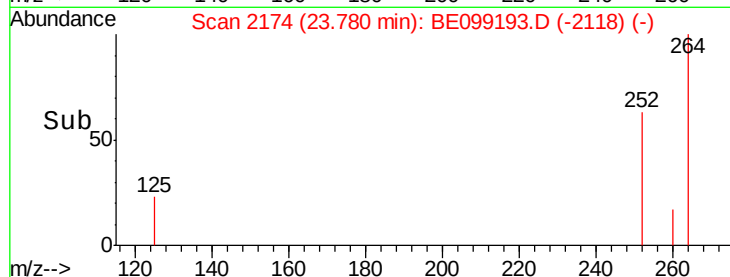
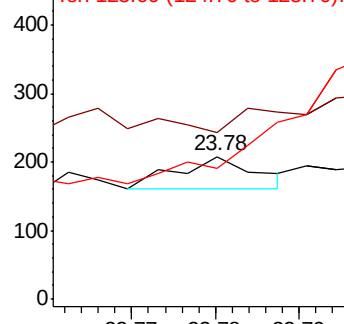
252 100

253 116.8 18.1 27.1#

125 91.3 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: 0.000 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BE099193.D

Acq: 25 Mar 2019 23:22

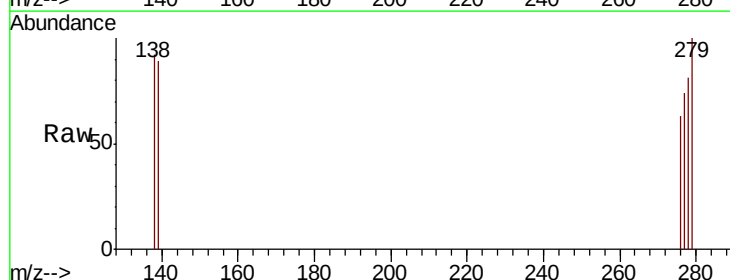
Tgt Ion:278 Resp: 20

Ion Ratio Lower Upper

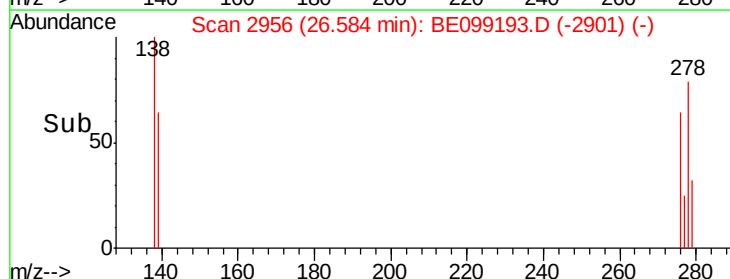
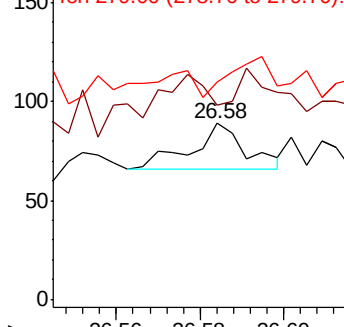
278 100

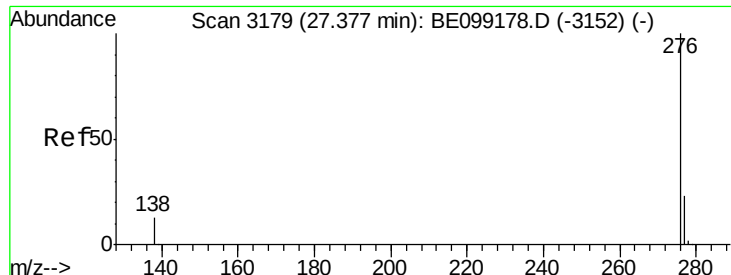
139 110.1 9.5 14.3#

279 123.6 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: 0.000 ng

RT: 27.35 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BE099193.D

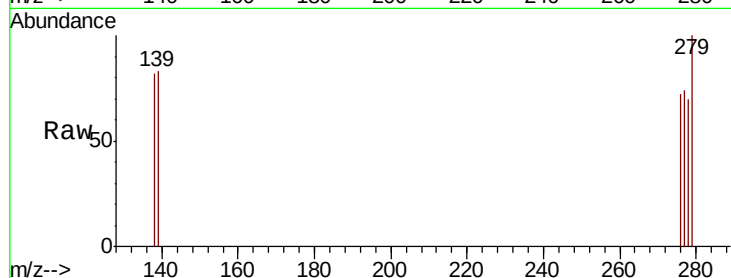
Acq: 25 Mar 2019 23:22

Instrument :

BNA\_E

ClientSampleId :

KY038PS036-190318



Tgt Ion: 276 Resp: 2

Ion Ratio Lower Upper

276 100

277 102.7 19.0 28.4#

138 115.1 11.1 16.7#

