

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100319.D
 Acq On : 3 Jul 2019 1:16
 Operator : JU/SJ
 Sample : K3504-20DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW136-062019DL

Quant Time: Jul 03 02:15:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1006	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3486	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2595	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7300	0.40	ng	0.00
27) Chrysene-d12	21.24	240	9392	0.40	ng	0.00
34) Perylene-d12	23.68	264	10903	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	369	0.14	ng	0.01
5) Phenol-d6	6.83	99	452	0.13	ng	-0.01
8) Nitrobenzene-d5	8.81	82	424	0.12	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	832	0.13	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	286	0.16	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1316	0.13	ng	0.00
25) Fluoranthene-d10	19.10	212	12225	0.12	ng	0.00
29) Terphenyl-d14	19.70	244	2803	0.14	ng	0.00

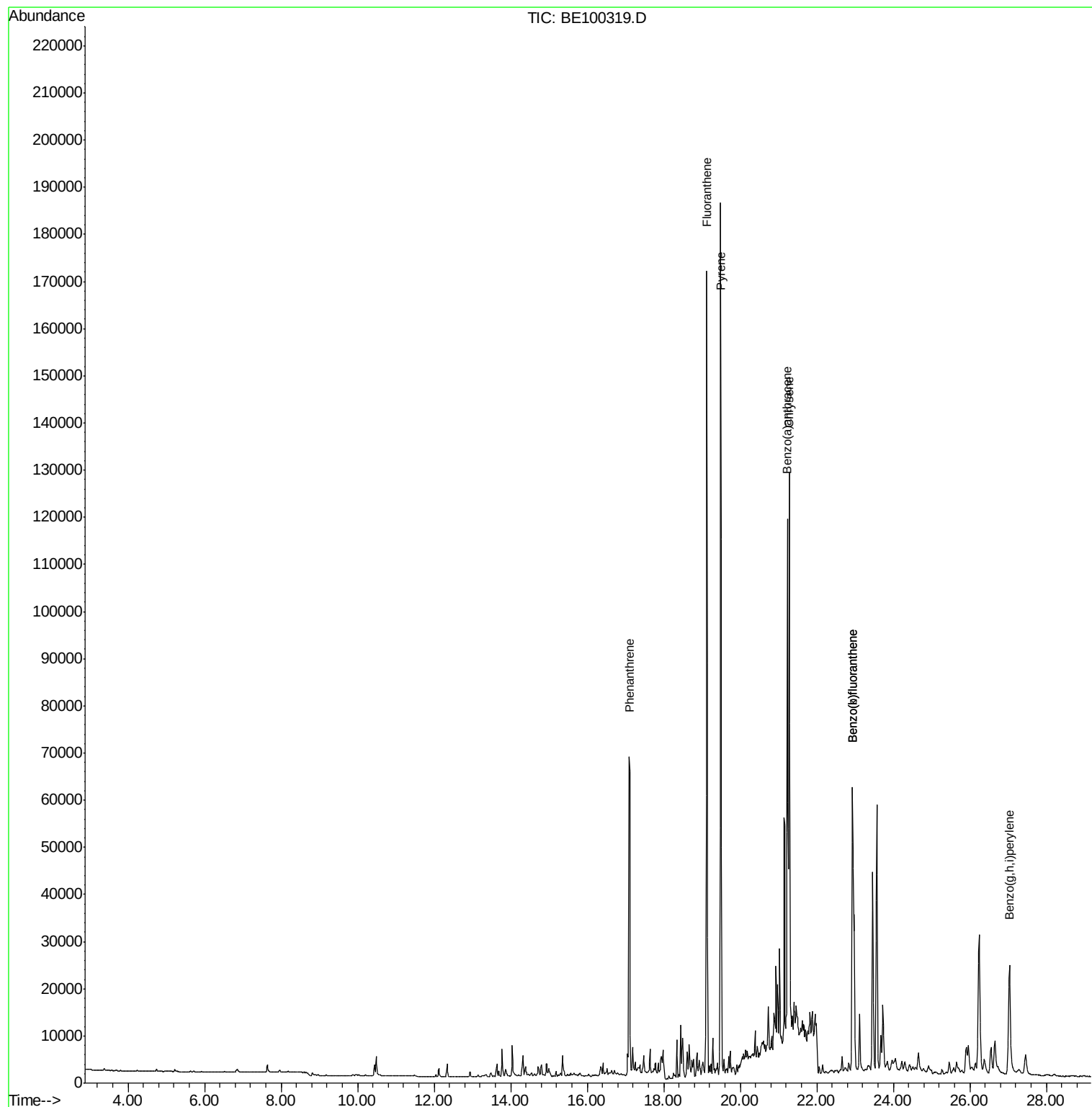
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.09	178	84254	4.762	ng	99
26) Fluoranthene	19.13	202	159799	5.670	ng	99
28) Pyrene	19.49	202	178602	7.183	ng	97
30) Benzo(a)anthracene	21.23	228	97494	3.157	ng	97
31) Chrysene	21.28	228	103746	3.346	ng	97
35) Benzo(b)fluoranthene	22.93	252	113709	3.847	ng	# 96
36) Benzo(k)fluoranthene	22.93	252	113709	3.446	ng	99
39) Benzo(g,h,i)perylene	27.04	276	63607	2.001	ng	99

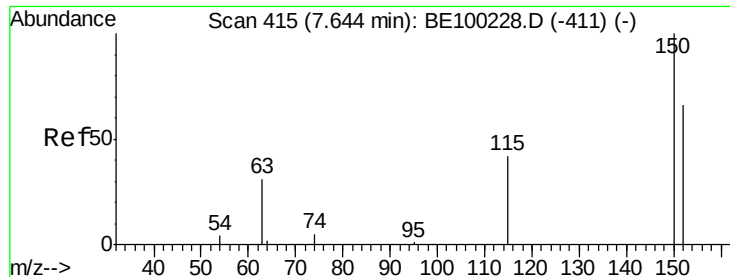
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

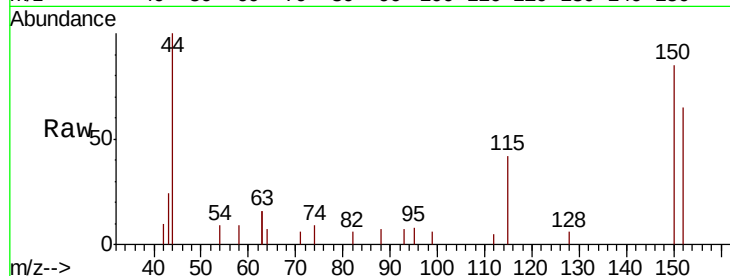
Tgt Ion:152 Resp: 1006

Ion Ratio Lower Upper

152 100

150 131.3 114.5 171.7

115 64.4 57.1 85.7

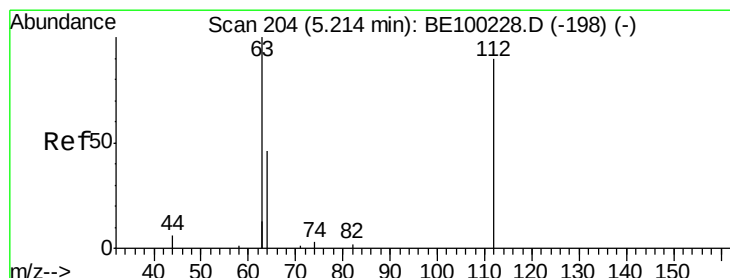
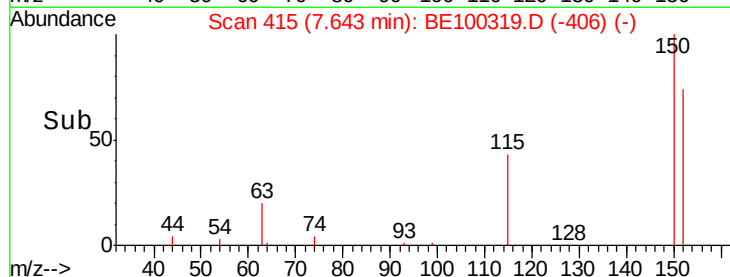
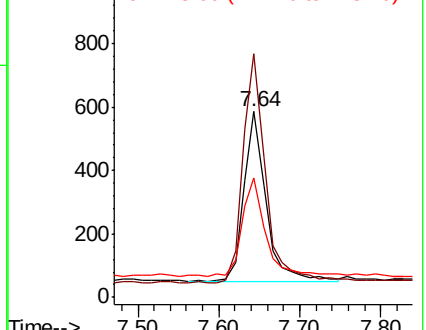


Abundance

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



#4

2-Fluorophenol

Concen: 0.144 ng

RT: 5.22 min Scan# 205

Delta R.T. 0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

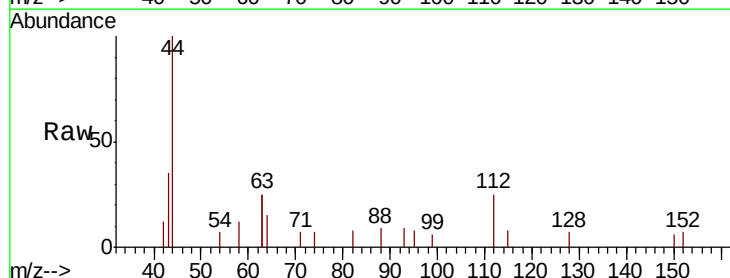
Tgt Ion:112 Resp: 369

Ion Ratio Lower Upper

112 100

64 55.8 39.4 59.0

63 194.9 104.5 156.7#

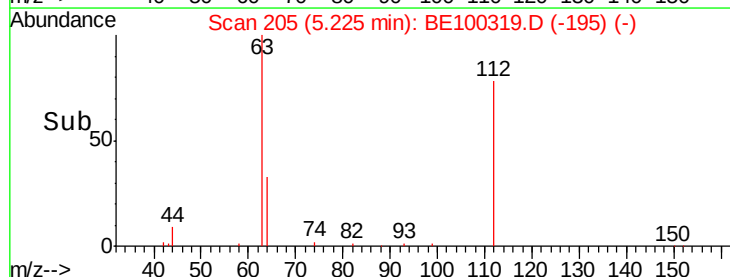
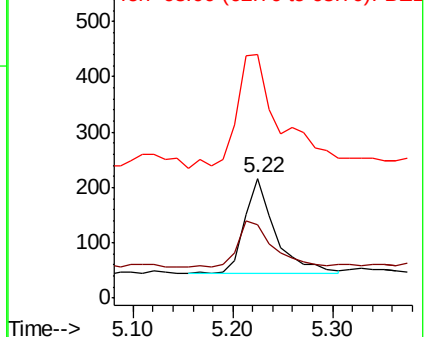


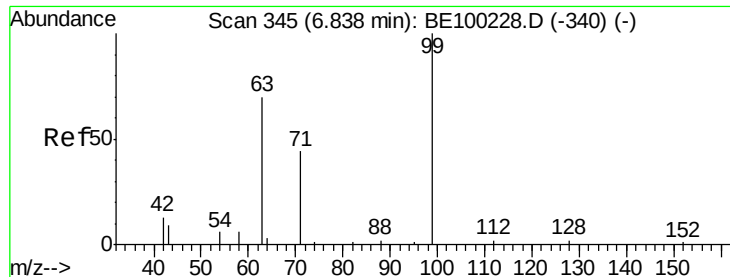
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.134 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

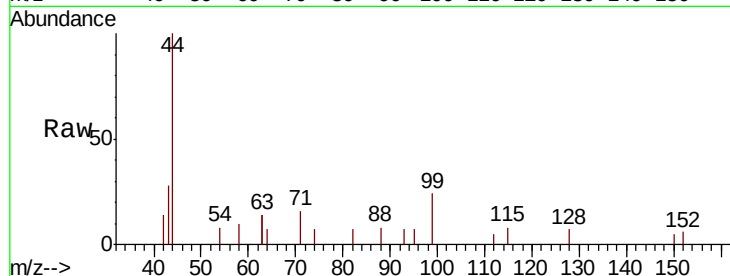
Tgt Ion: 99 Resp: 452

Ion Ratio Lower Upper

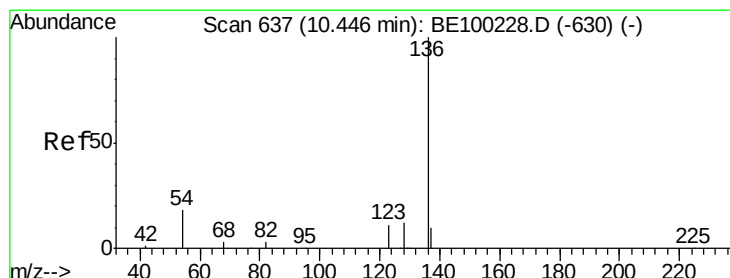
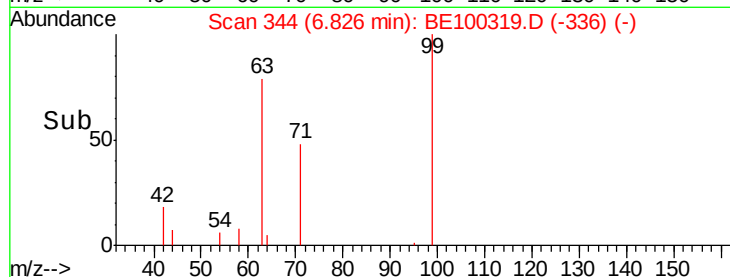
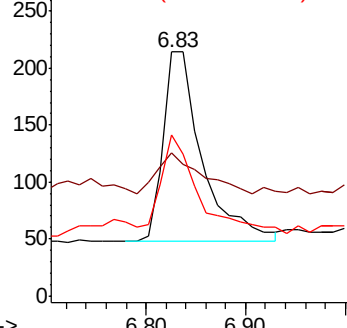
99 100

42 23.5 11.2 16.8#

71 48.9 37.2 55.8



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Tgt Ion: 136 Resp: 3486

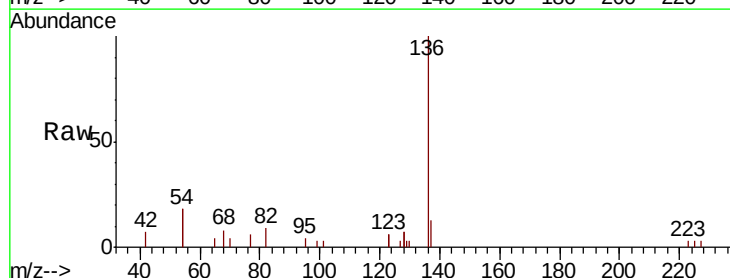
Ion Ratio Lower Upper

136 100

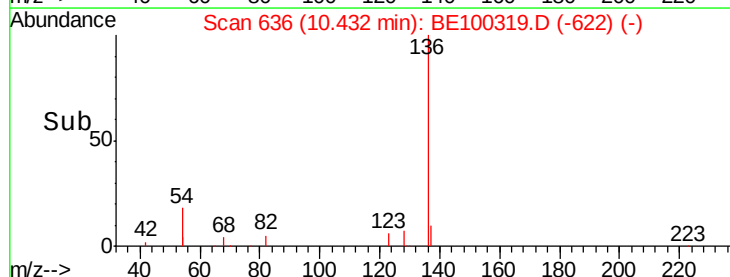
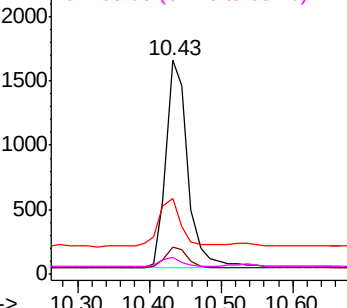
137 12.8 11.8 17.8

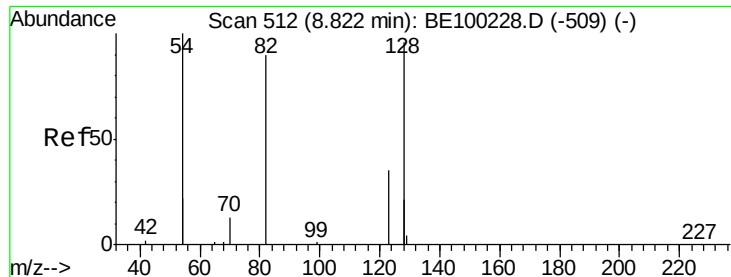
54 35.2 27.7 41.5

68 7.5 6.8 10.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.122 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

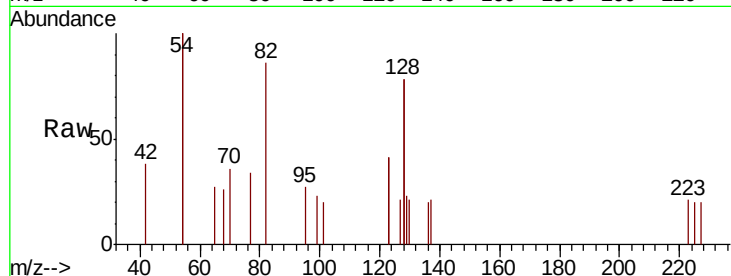
Tgt Ion: 82 Resp: 424

Ion Ratio Lower Upper

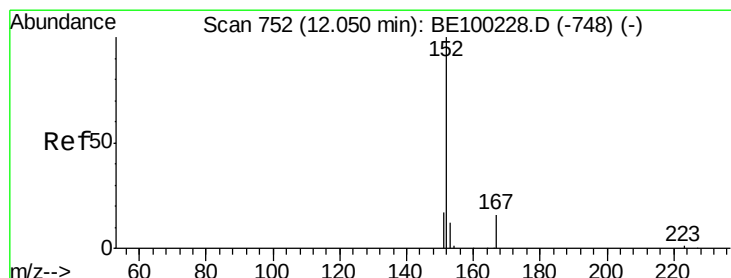
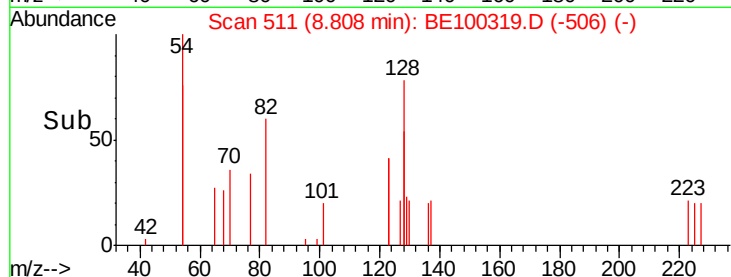
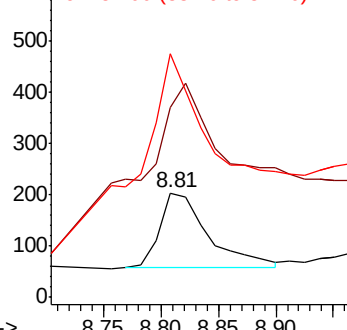
82 100

128 181.4 140.9 211.3

54 233.3 146.2 219.2#



Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.127 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100319.D

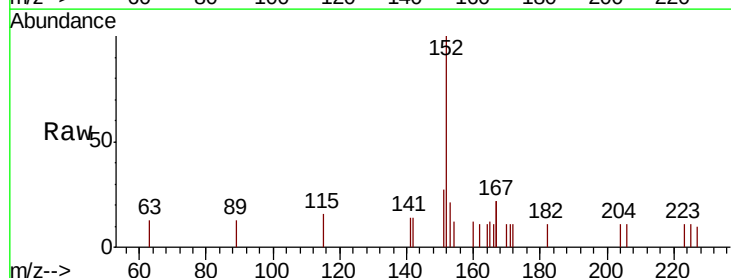
Acq: 3 Jul 2019 1:16

Tgt Ion: 152 Resp: 832

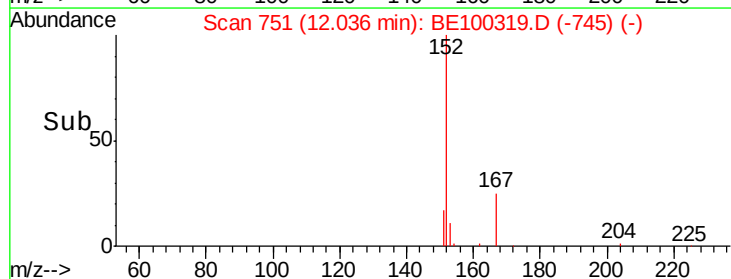
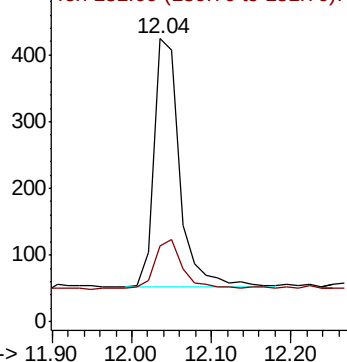
Ion Ratio Lower Upper

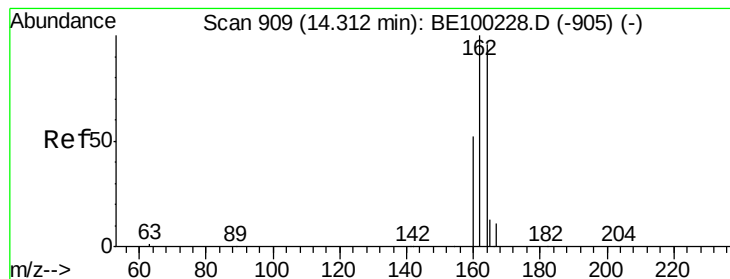
152 100

151 19.5 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

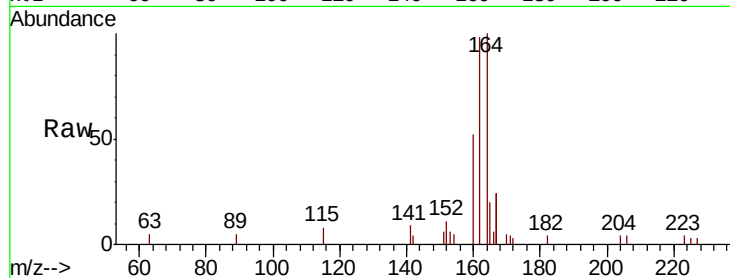
Tgt Ion:164 Resp: 2595

Ion Ratio Lower Upper

164 100

162 98.4 83.4 125.0

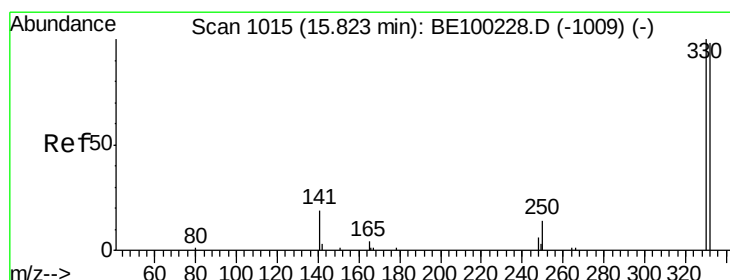
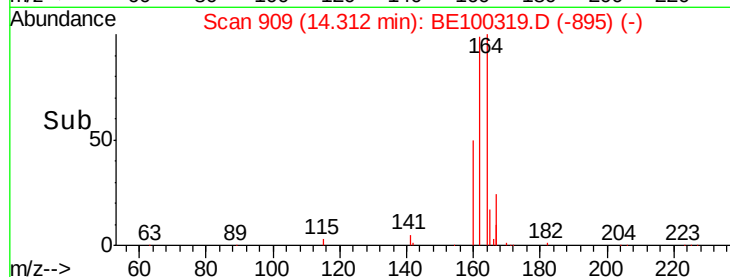
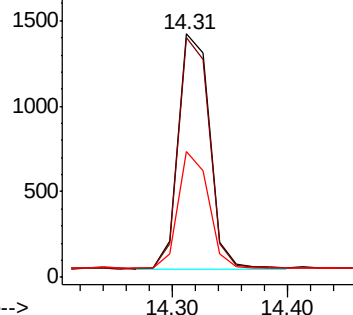
160 51.9 45.0 67.6



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: 0.158 ng

RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

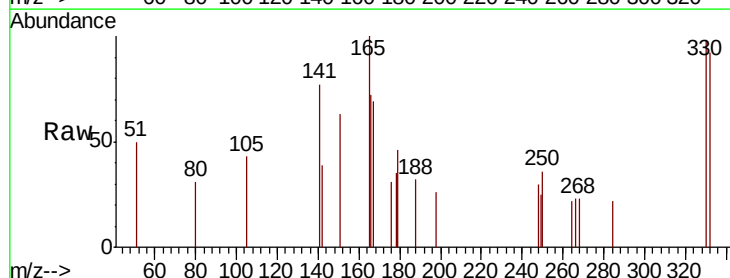
Tgt Ion:330 Resp: 286

Ion Ratio Lower Upper

330 100

332 100.0 77.0 115.4

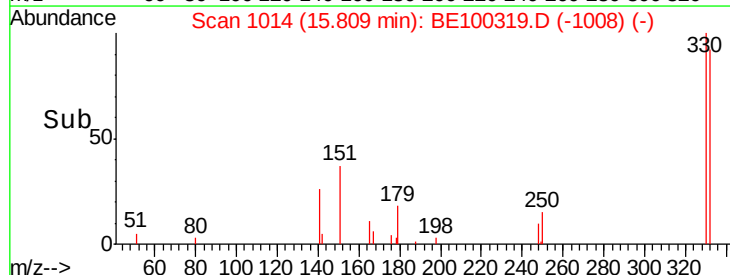
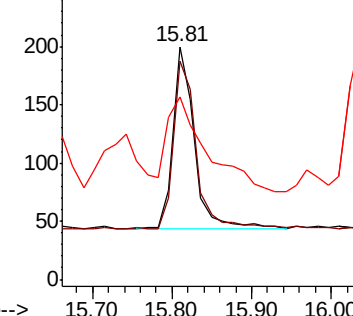
141 97.2 22.0 33.0#

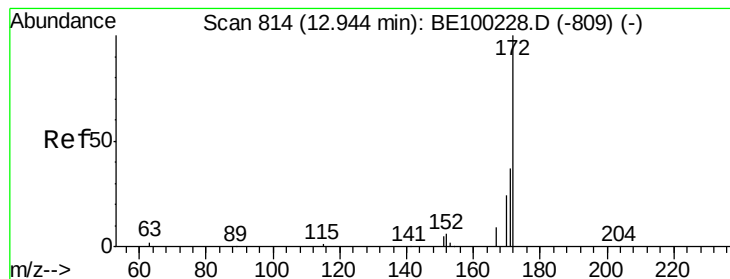


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

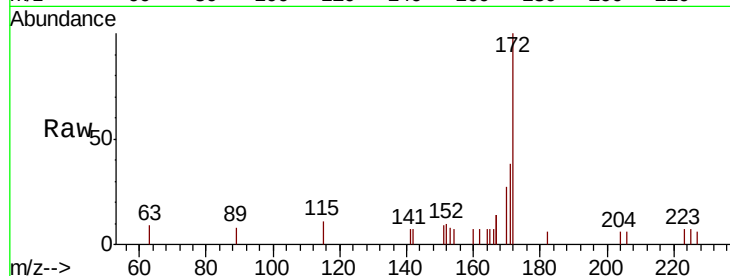




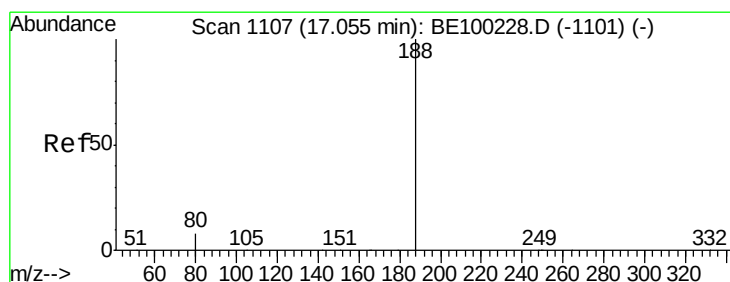
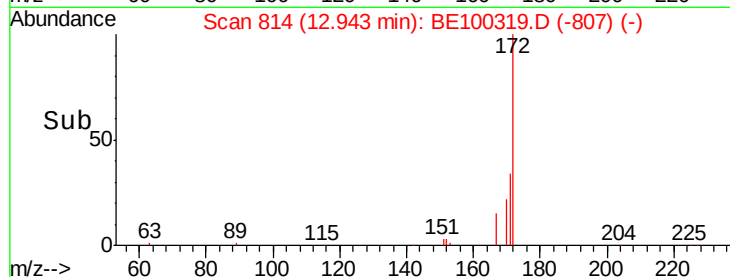
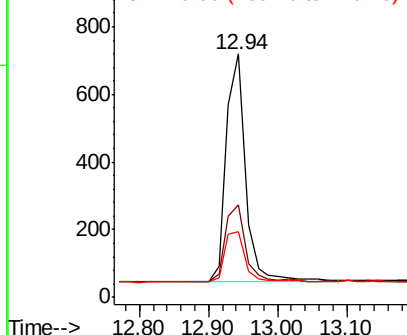
#15
2-Fluorobiphenyl
Concen: 0.130 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW136-062019DL

Tgt Ion:172 Resp: 1316
Ion Ratio Lower Upper
172 100
171 37.9 31.9 47.9
170 26.9 22.2 33.2

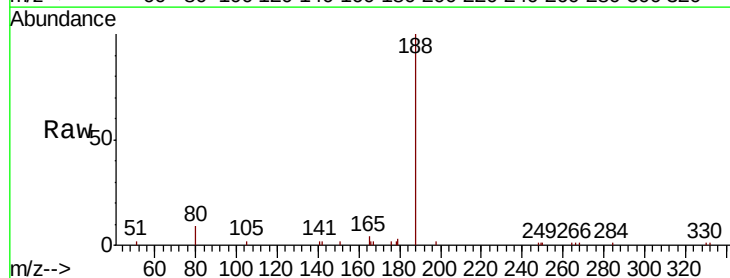


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

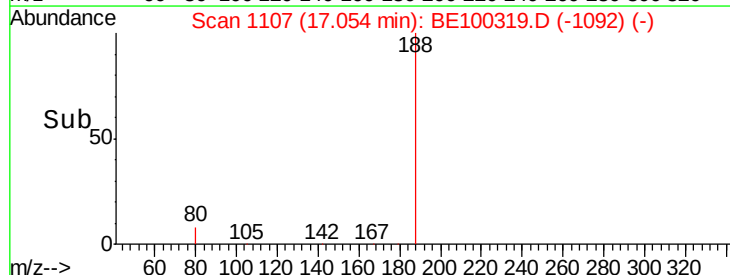
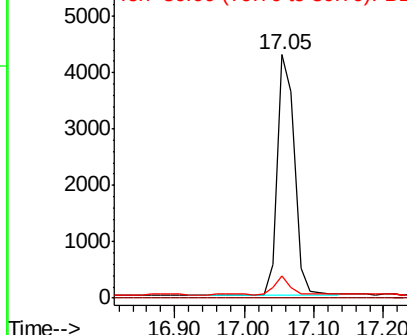


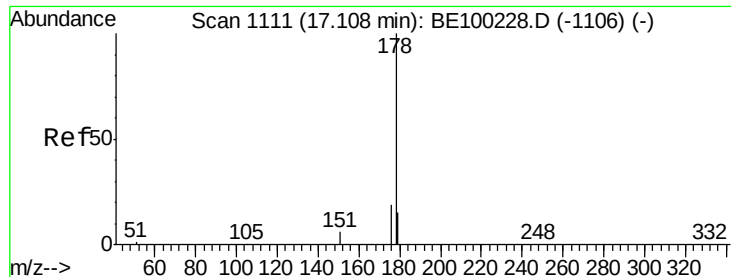
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

Tgt Ion:188 Resp: 7300
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 4.762 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

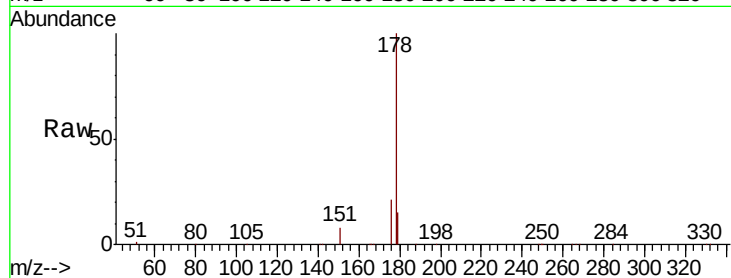
Tgt Ion:178 Resp: 84254

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

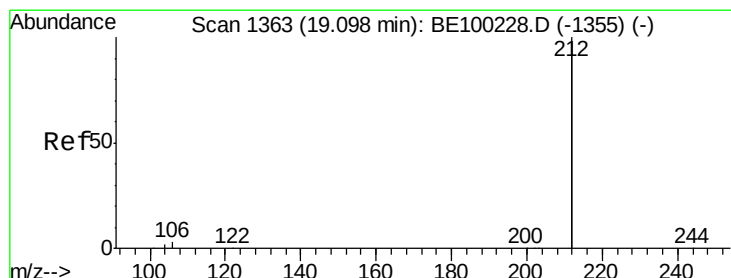
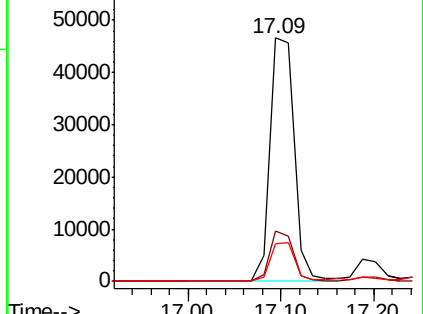
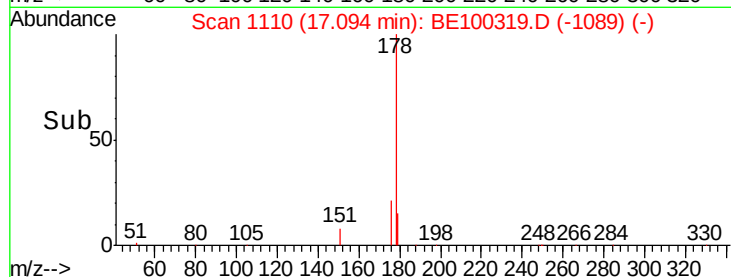
179 15.7 12.2 18.2



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: 0.115 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

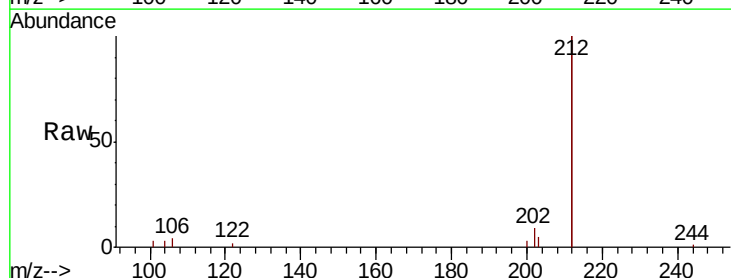
Tgt Ion:212 Resp: 12225

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

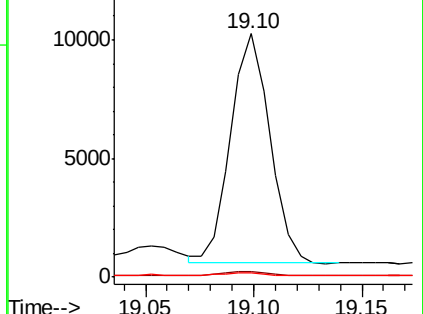
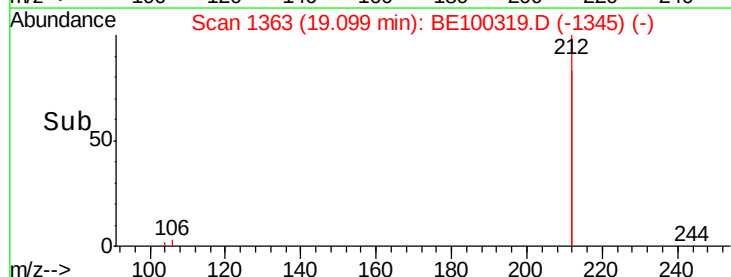
104 1.1 0.8 1.2

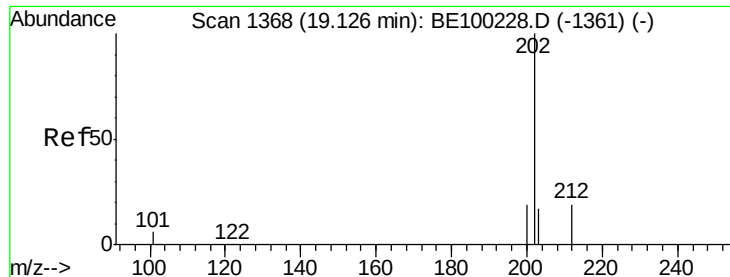


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

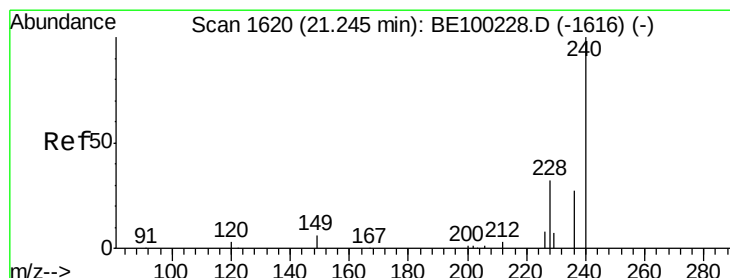
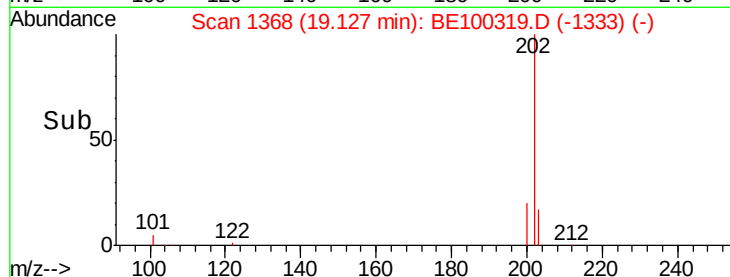
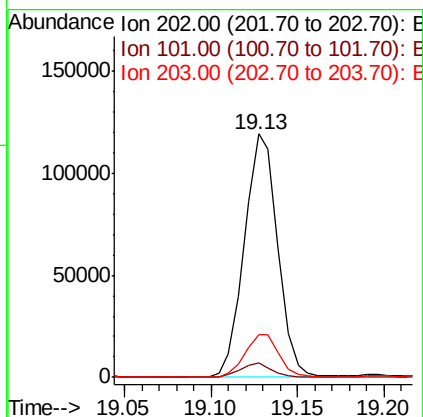
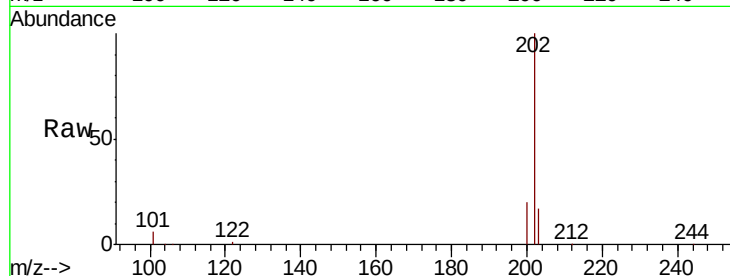




#26
Fluoranthene
Concen: 5.670 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

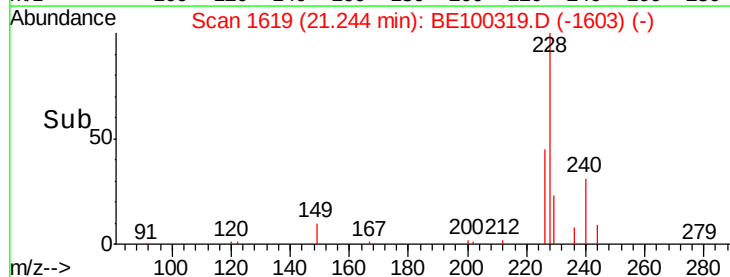
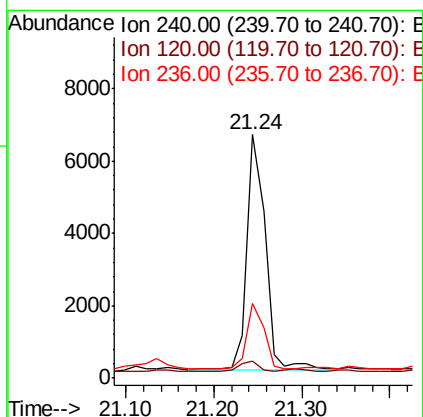
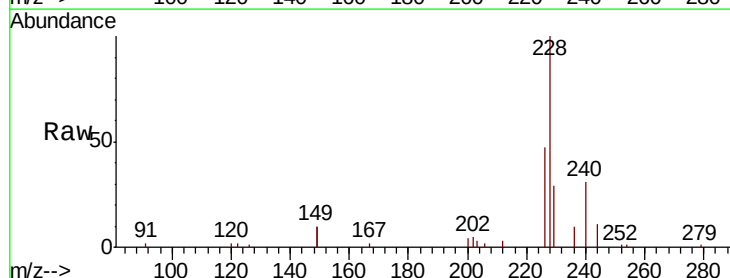
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW136-062019DL

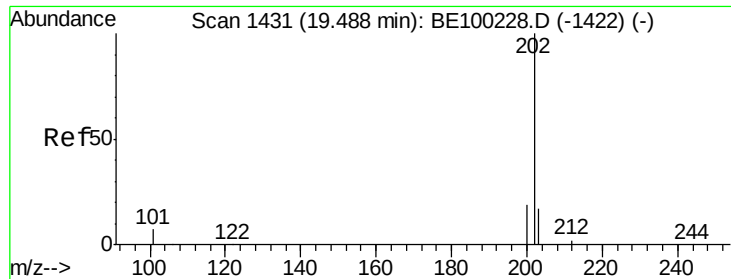
Tgt Ion: 202 Resp: 159799
Ion Ratio Lower Upper
202 100
101 5.5 4.6 7.0
203 17.7 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

Tgt Ion: 240 Resp: 9392
Ion Ratio Lower Upper
240 100
120 7.0 3.3 4.9#
236 30.6 22.6 34.0

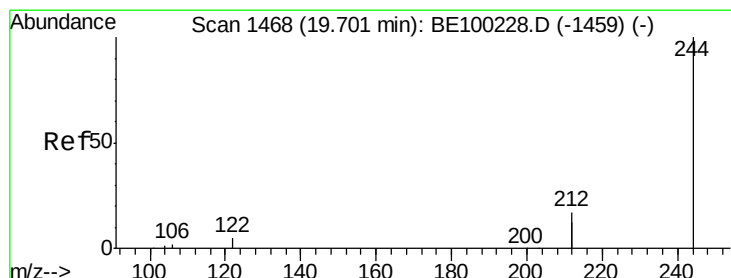
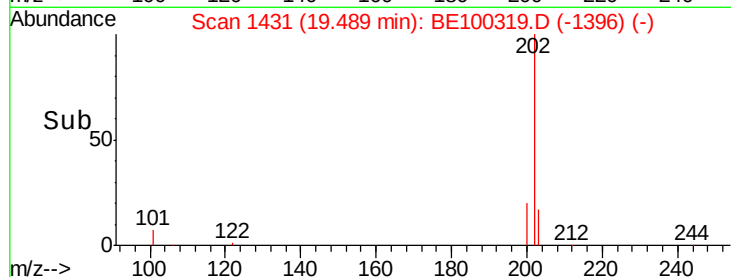
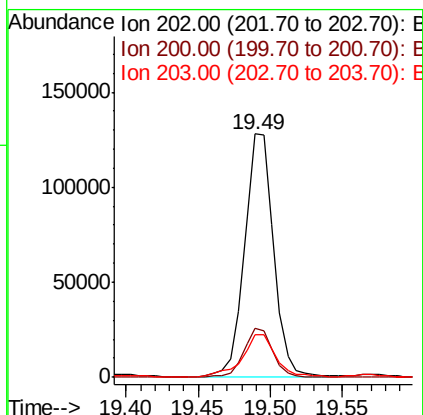
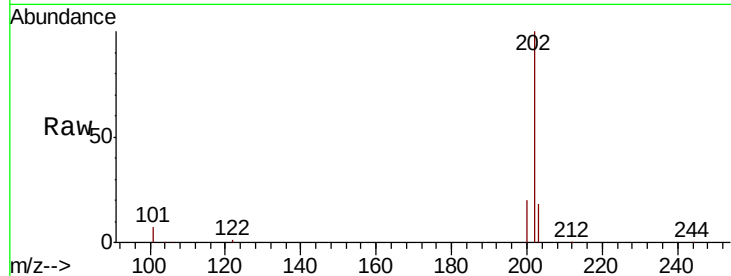




#28
 Pyrene
 Concen: 7.183 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100319.D
 Acq: 3 Jul 2019 1:16

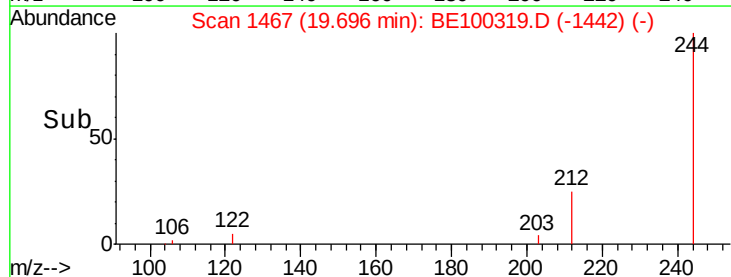
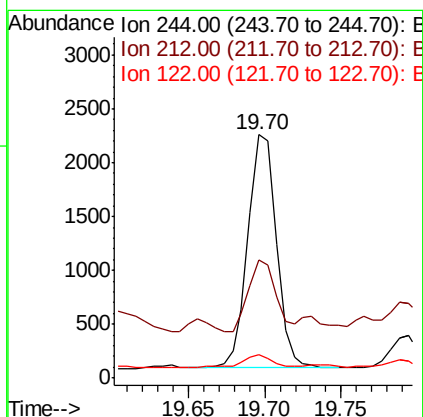
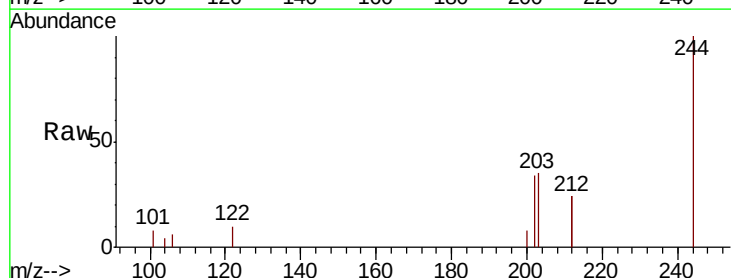
Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW136-062019DL

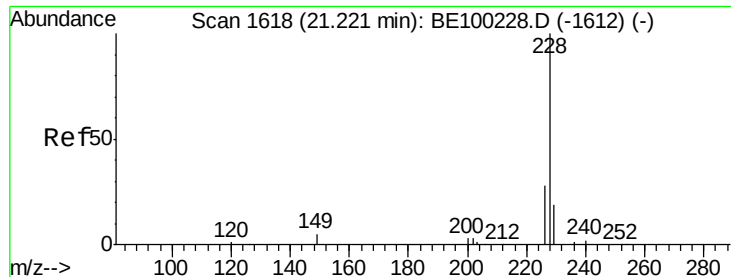
Tgt Ion: 202 Resp: 178602
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.6 23.4
 203 20.1 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.144 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE100319.D
 Acq: 3 Jul 2019 1:16

Tgt Ion: 244 Resp: 2803
 Ion Ratio Lower Upper
 244 100
 212 48.3 27.3 40.9#
 122 9.6 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 3.157 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW136-062019DL

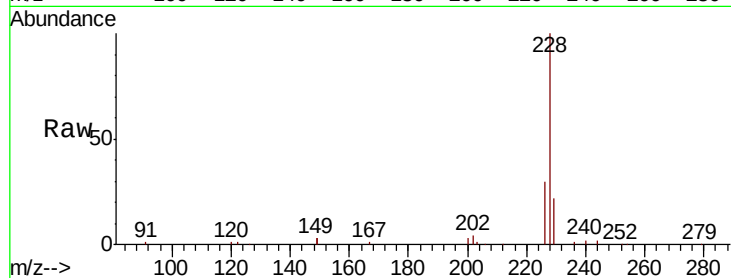
Tgt Ion:228 Resp: 97494

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

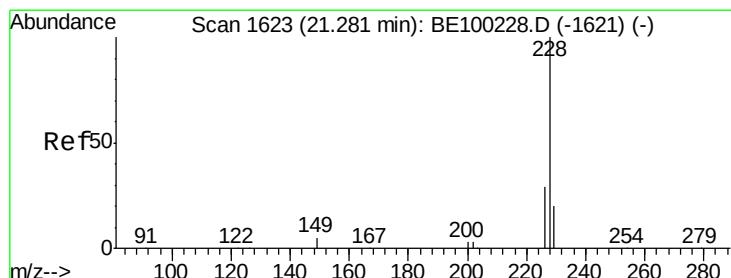
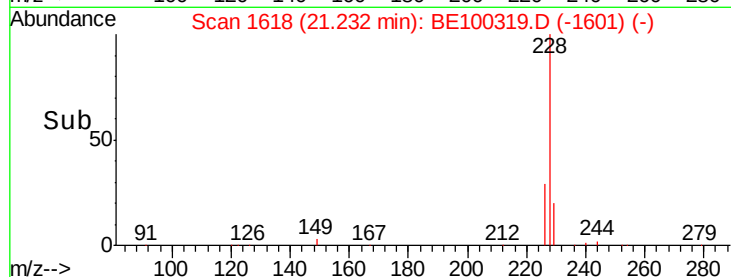
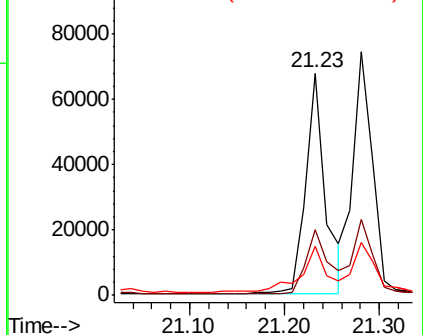
229 22.2 15.7 23.5



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: 3.346 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100319.D

Acq: 3 Jul 2019 1:16

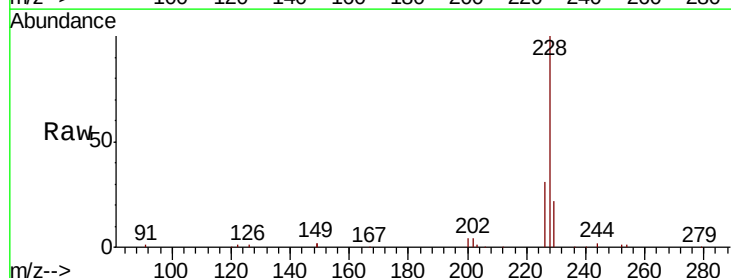
Tgt Ion:228 Resp: 103746

Ion Ratio Lower Upper

228 100

226 31.4 23.9 35.9

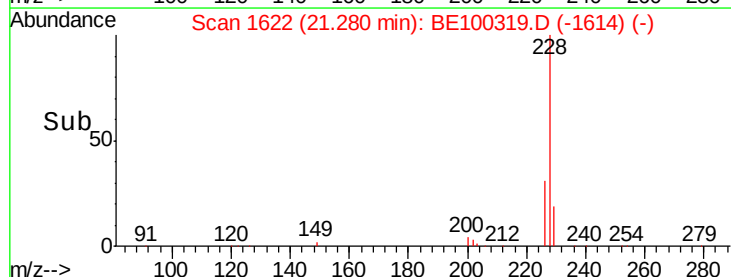
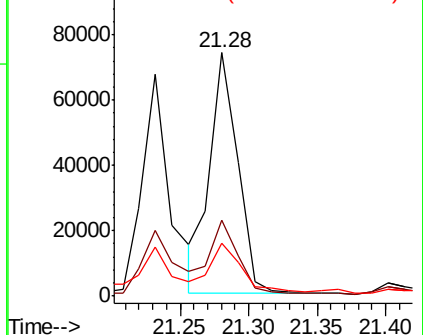
229 21.7 16.5 24.7

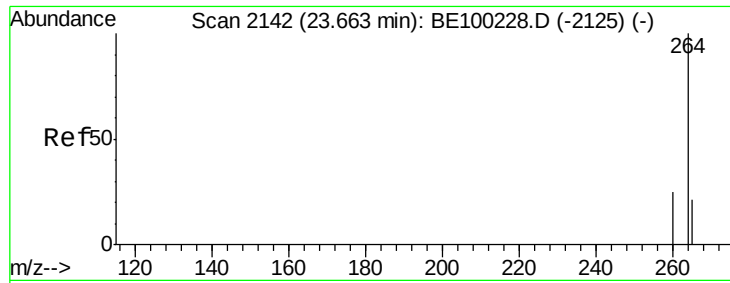


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

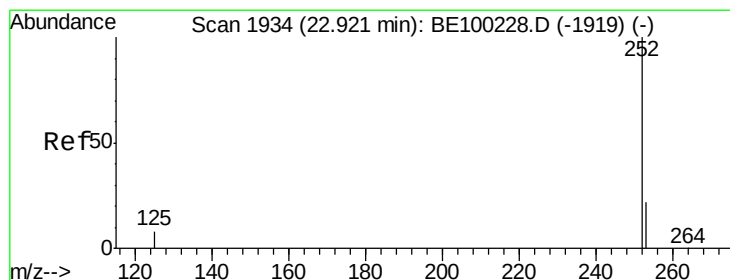
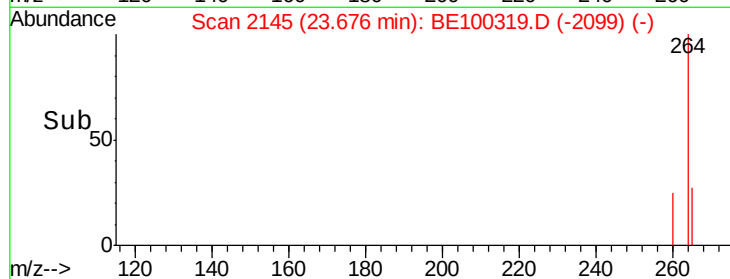
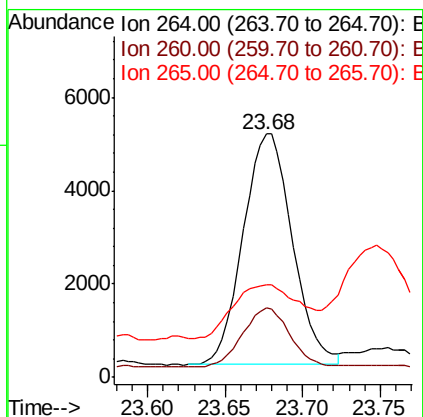
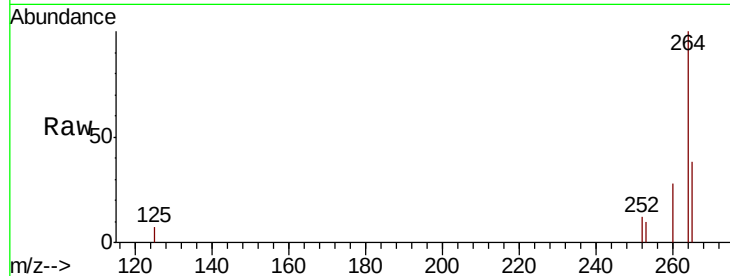




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100319.D
 Acq: 3 Jul 2019 1:16

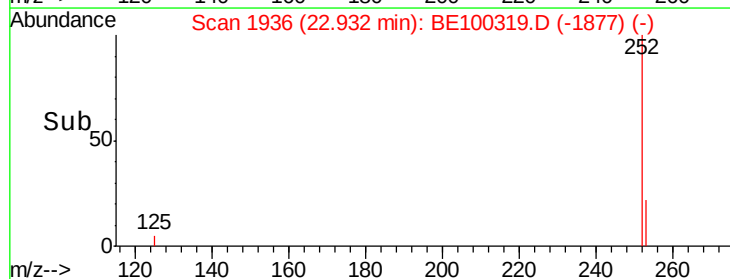
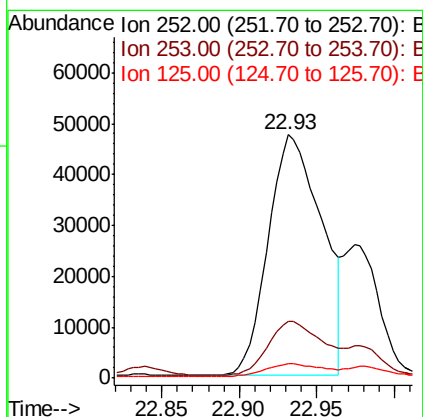
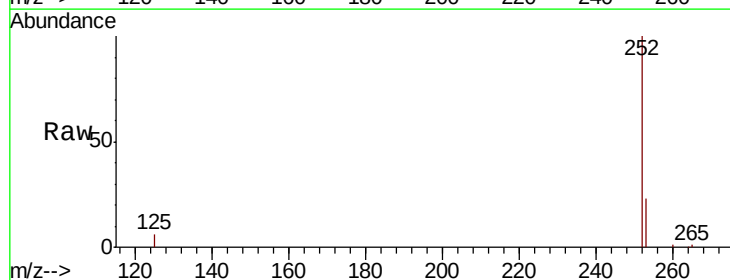
Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW136-062019DL

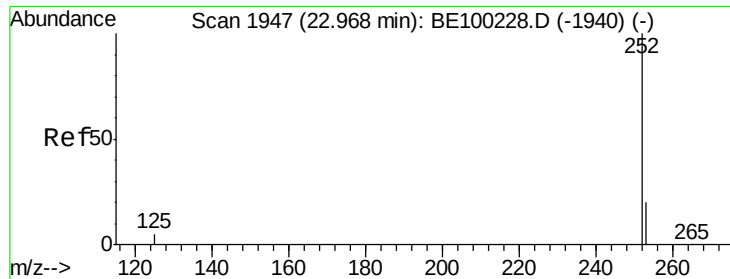
Tgt Ion: 264 Resp: 10903
 Ion Ratio Lower Upper
 264 100
 260 28.3 20.8 31.2
 265 38.2 21.8 32.6#



#35
Benzo(b)fluoranthene
 Concen: 3.847 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100319.D
 Acq: 3 Jul 2019 1:16

Tgt Ion: 252 Resp: 113709
 Ion Ratio Lower Upper
 252 100
 253 23.1 19.2 28.8
 125 5.8 7.4 11.0#

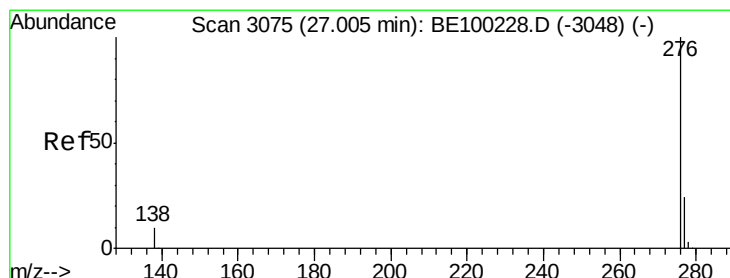
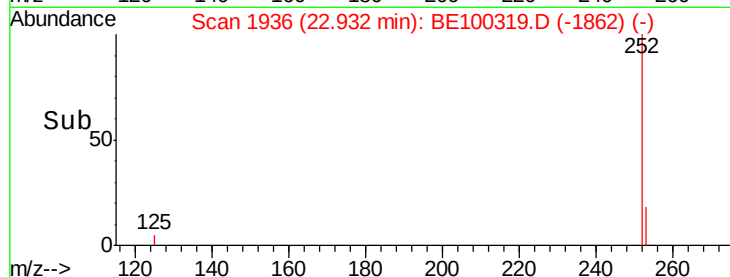
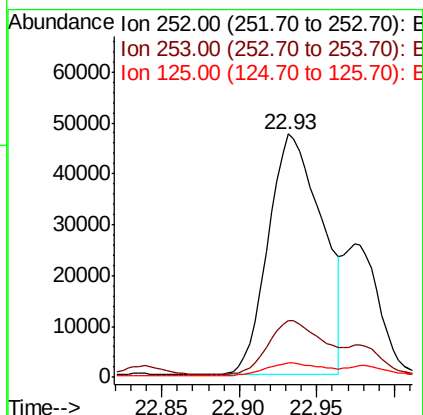
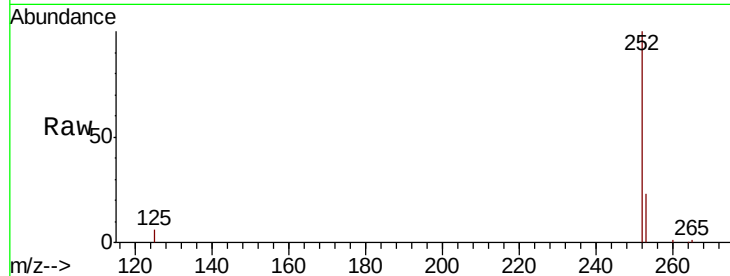




#36
Benzo(k)fluoranthene
Concen: 3.446 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW136-062019DL

Tgt Ion: 252 Resp: 113709
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 5.8 5.0 7.4



#39
Benzo(g,h,i)perylene
Concen: 2.001 ng
RT: 27.04 min Scan# 3083
Delta R.T. 0.03 min
Lab File: BE100319.D
Acq: 3 Jul 2019 1:16

Tgt Ion: 276 Resp: 63607
Ion Ratio Lower Upper
276 100
277 24.9 20.2 30.2
138 10.2 9.0 13.6

