

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129113.D
 Acq On : 02 Jul 2022 02:00
 Operator : CG\JU
 Sample : N3562-14 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Quant Time: Jul 02 02:50:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

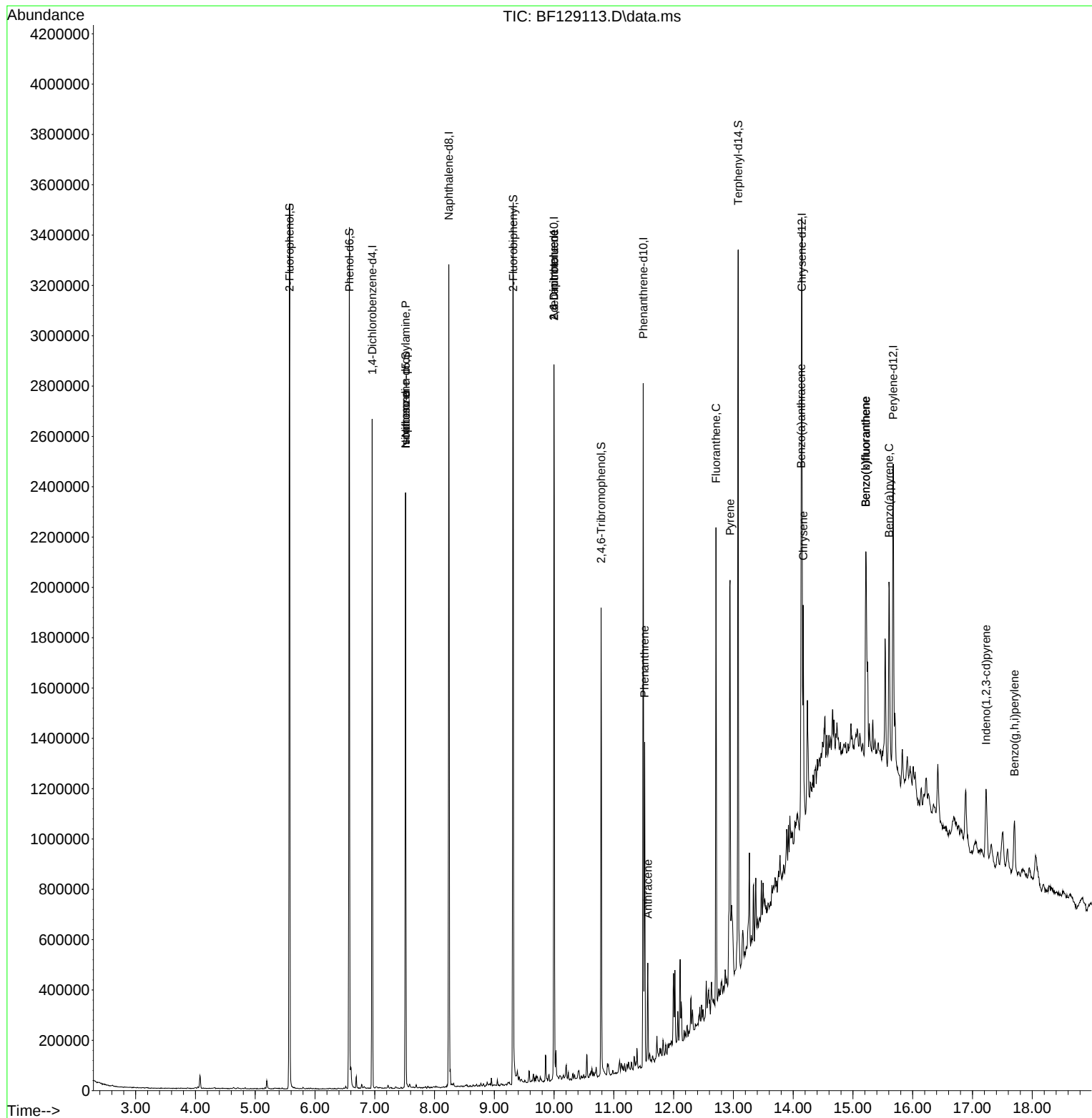
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	367290	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1313883	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	587033	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	874500	20.000	ng	0.00
76) Chrysene-d12	14.145	240	700105	20.000	ng	0.00
86) Perylene-d12	15.674	264	521167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	915345	42.133	ng	-0.01
7) Phenol-d6	6.575	99	1117116	41.403	ng	-0.01
23) Nitrobenzene-d5	7.516	82	637012	28.918	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	210668	33.004	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	1192057	32.486	ng	0.00
79) Terphenyl-d14	13.080	244	953874	28.294	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	859	Below Cal	#	8
19) n-Nitroso-di-n-propyla...	7.516	70	82615	5.293	ng	# 73
25) Isophorone	7.516	82	629224	16.902	ng	# 65
51) 2,6-Dinitrotoluene	9.998	165	78512	10.462	ng	# 25
57) 2,4-Dinitrotoluene	9.998	165	79761	8.609	ng	# 21
71) Phenanthrene	11.516	178	414435	9.919	ng	98
72) Anthracene	11.569	178	141029	3.423	ng	98
75) Fluoranthene	12.710	202	675096	15.449	ng	98
78) Pyrene	12.945	202	694110	14.303	ng	97
81) Benzo(a)anthracene	14.133	228	352330	8.242	ng	94
83) Chrysene	14.168	228	329562	8.304	ng	97
87) Indeno(1,2,3-cd)pyrene	17.227	276	194560	6.087	ng	95
88) Benzo(b)fluoranthene	15.215	252	606401	19.347	ng	# 94
89) Benzo(k)fluoranthene	15.215	252	606401	19.947	ng	# 95
90) Benzo(a)pyrene	15.604	252	350974	13.736	ng	# 93
92) Benzo(g,h,i)perylene	17.703	276	173253	6.627	ng	99

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

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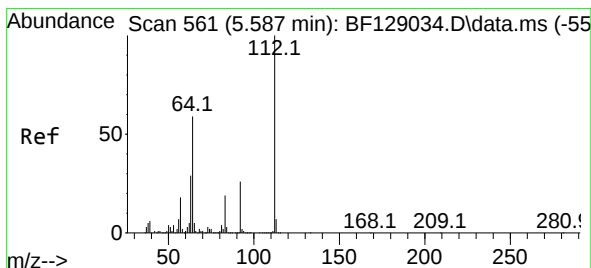
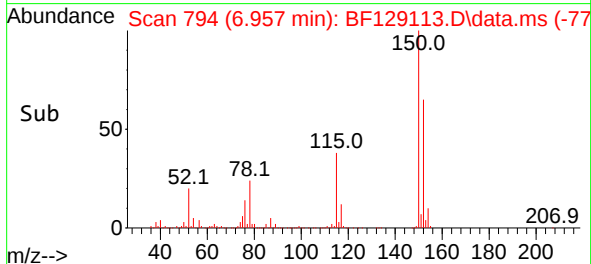
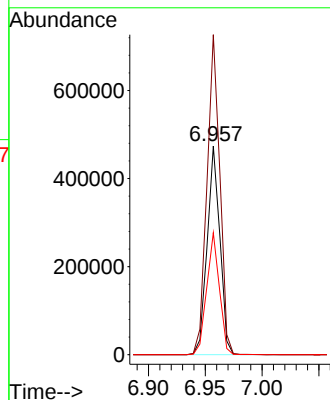
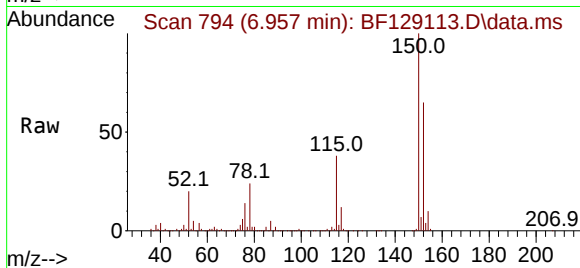




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

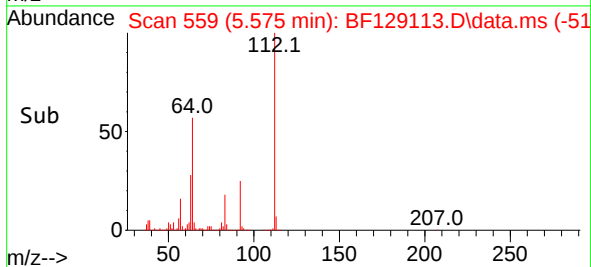
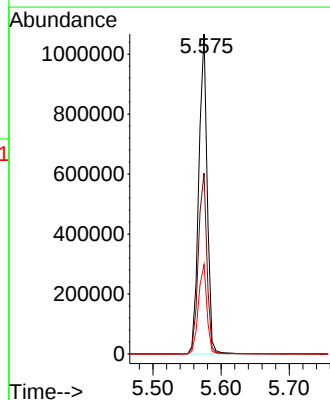
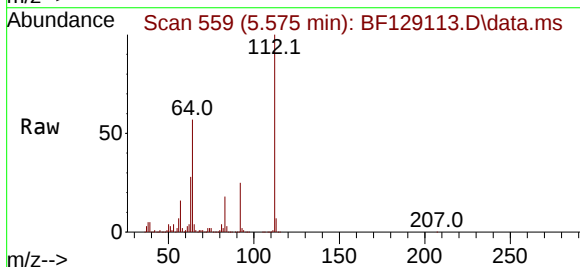
Instrument :
BNA_F
ClientSampleId :
SB-13

Tgt Ion:152 Resp: 367290
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 58.4 49.9 74.9



#5
2-Fluorophenol
Concen: 42.133 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:112 Resp: 915345
Ion Ratio Lower Upper
112 100
64 56.5 53.3 79.9
63 27.9 28.0 42.0

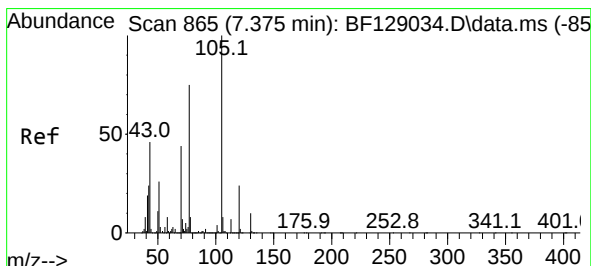
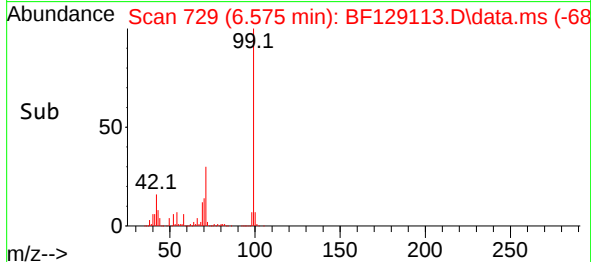
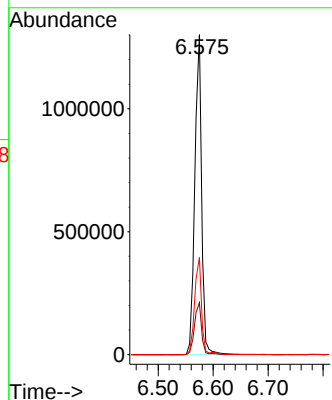
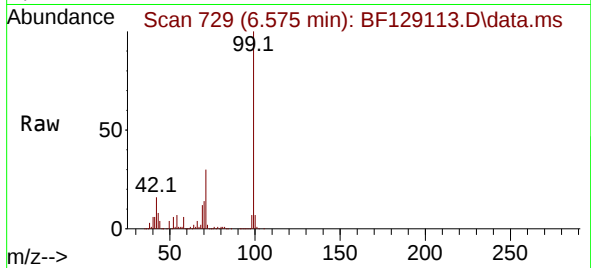




#7
Phenol-d6
Concen: 41.403 ng
RT: 6.575 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

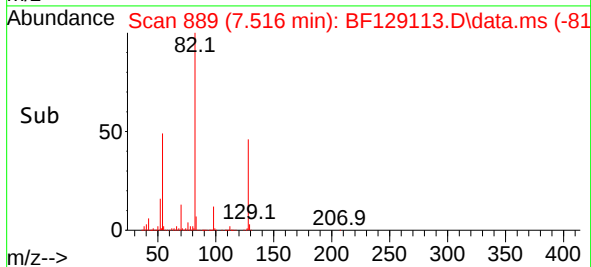
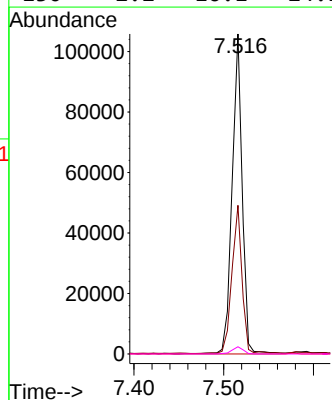
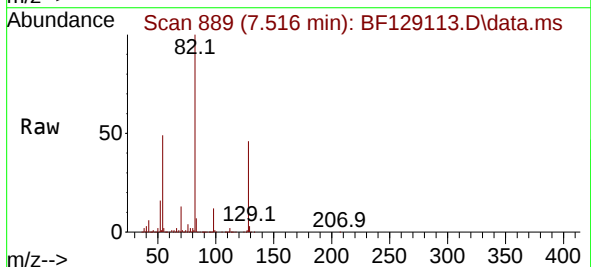
Instrument :
BNA_F
ClientSampleId :
SB-13

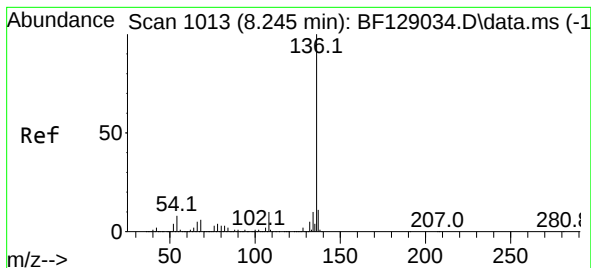
Tgt Ion: 99 Resp: 1117116
Ion Ratio Lower Upper
99 100
42 16.3 17.3 25.9#
71 30.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.293 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion: 70 Resp: 82615
Ion Ratio Lower Upper
70 100
42 46.4 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

Instrument :

BNA_F

ClientSampleId :

SB-13

Tgt Ion:136 Resp: 1313883

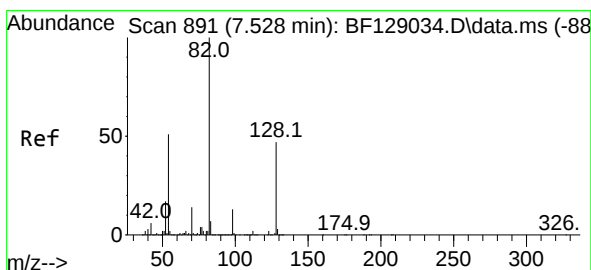
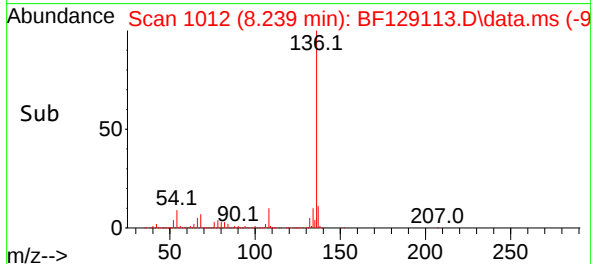
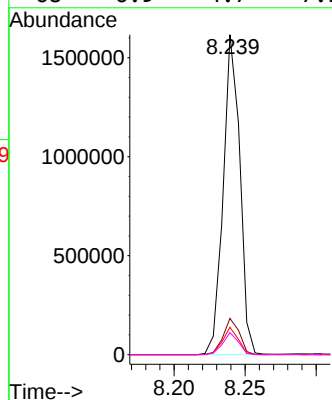
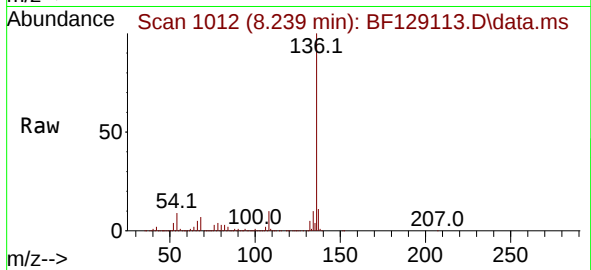
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.5 7.5 11.3

68 6.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 28.918 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

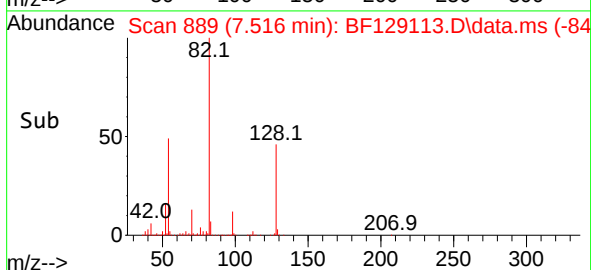
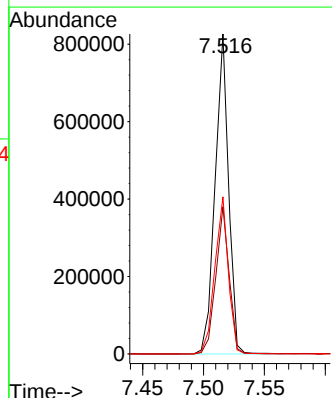
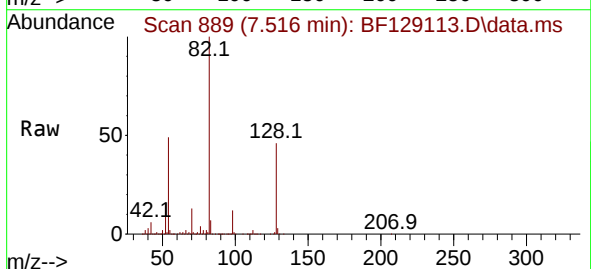
Tgt Ion: 82 Resp: 637012

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

54 49.1 46.9 70.3

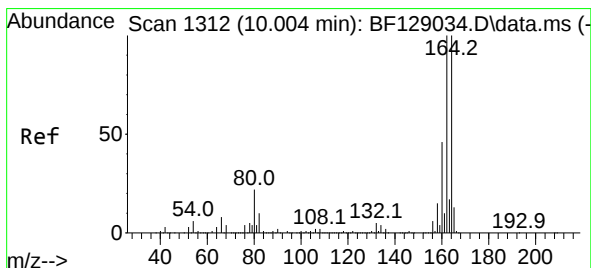
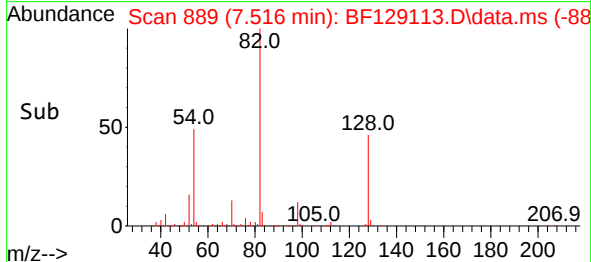
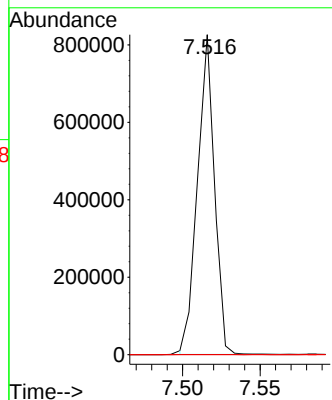
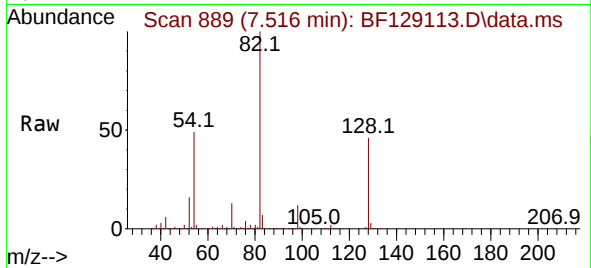




#25
Isophorone
Concen: 16.902 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

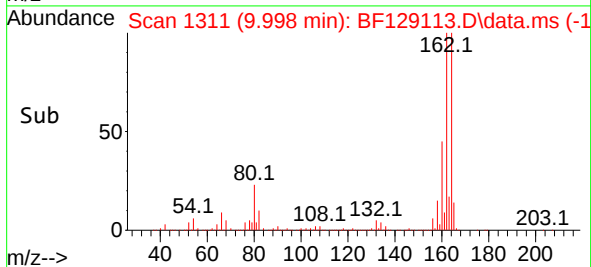
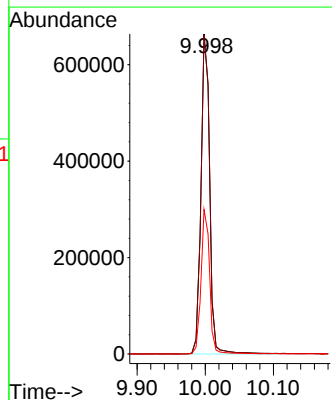
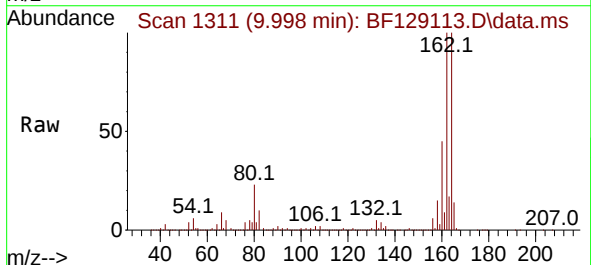
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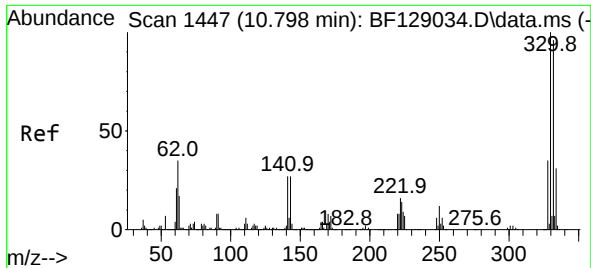
Tgt Ion: 82 Resp: 629224
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:164 Resp: 587033
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 45.1 34.2 51.4

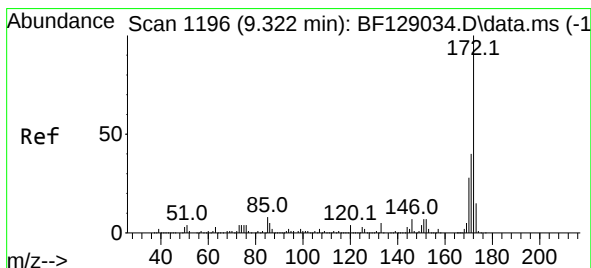
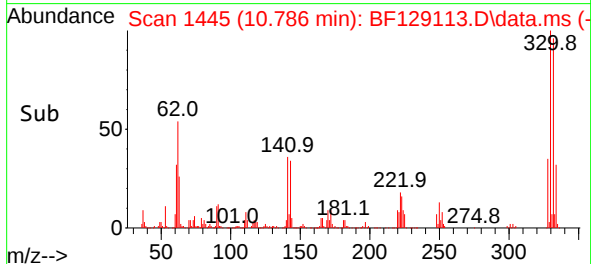
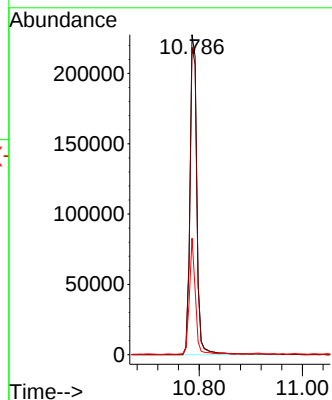
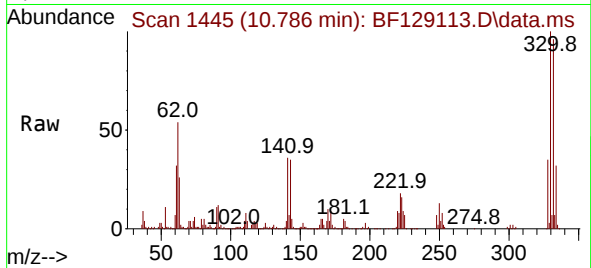




#42
2,4,6-Tribromophenol
Concen: 33.004 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

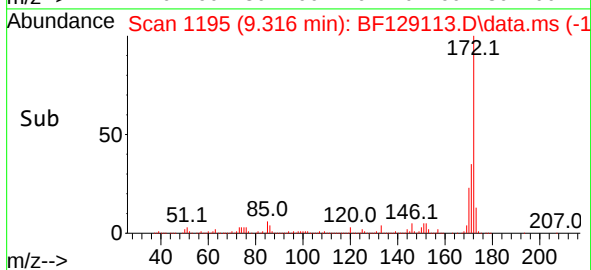
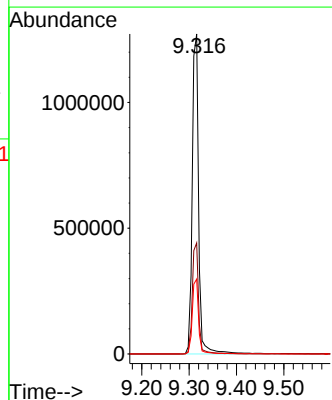
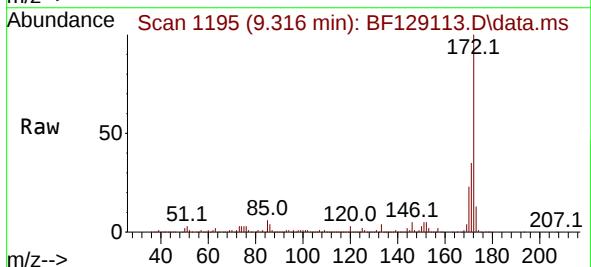
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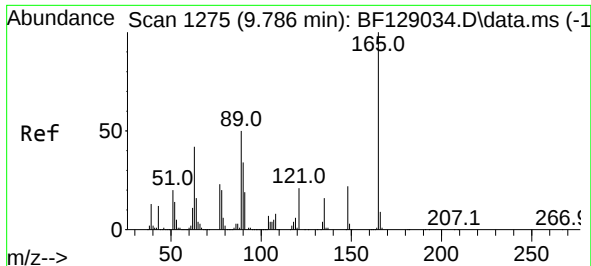
Tgt Ion:330 Resp: 210668
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 31.1 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 32.486 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:172 Resp: 1192057
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.4 19.8 29.8

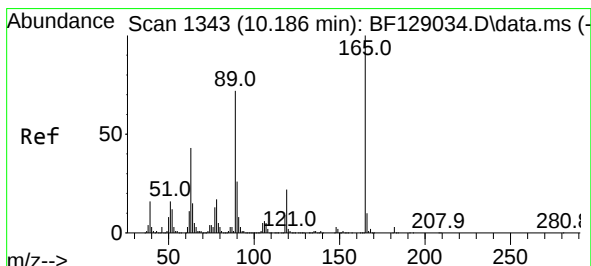
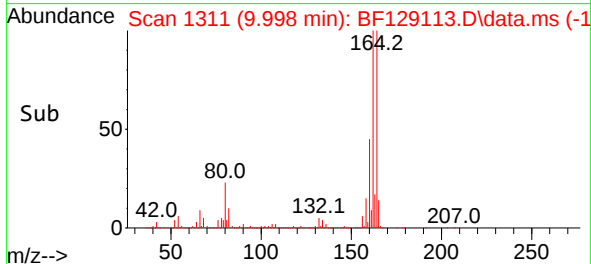
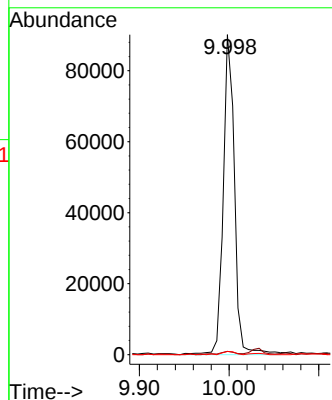
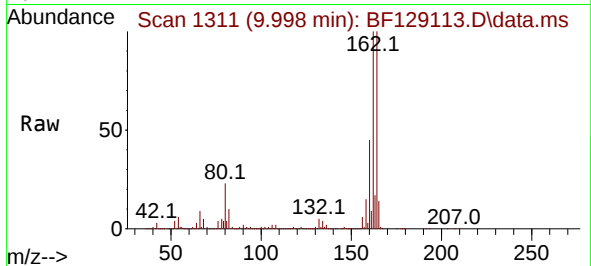




#51
2,6-Dinitrotoluene
Concen: 10.462 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

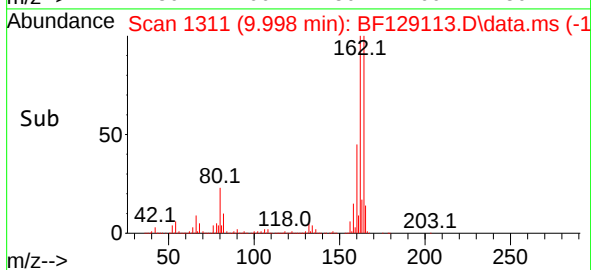
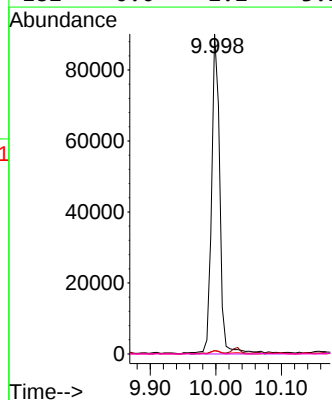
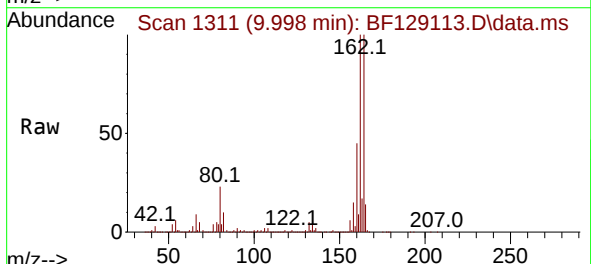
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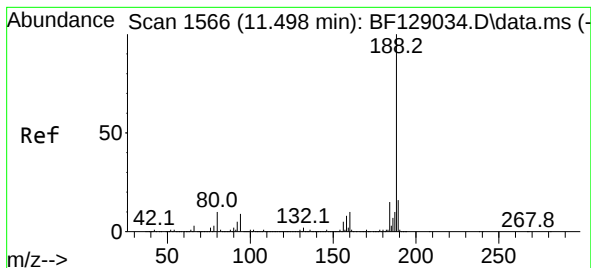
Tgt Ion:165 Resp: 78512
Ion Ratio Lower Upper
165 100
63 1.0 44.9 67.3#
89 1.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 8.609 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.188 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:165 Resp: 79761
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

Instrument :

BNA_F

ClientSampleId :

SB-13

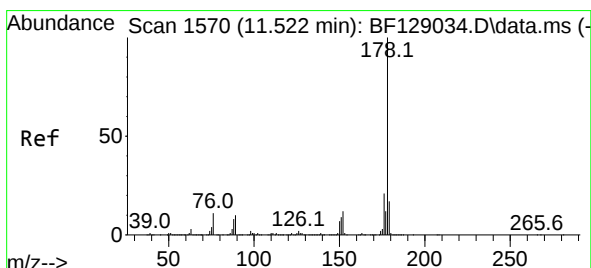
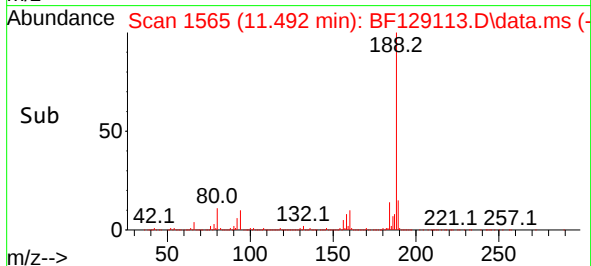
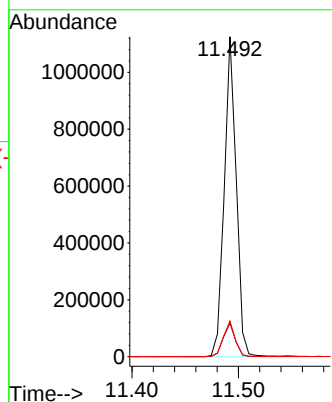
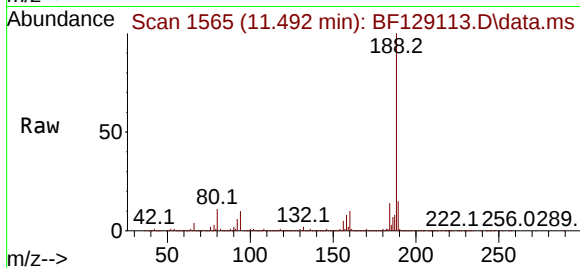
Tgt Ion:188 Resp: 874500

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 11.2 7.6 11.4



#71

Phenanthrene

Concen: 9.919 ng

RT: 11.516 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

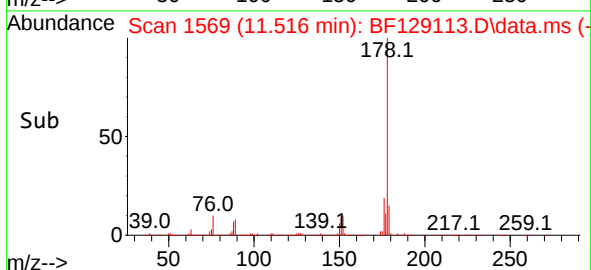
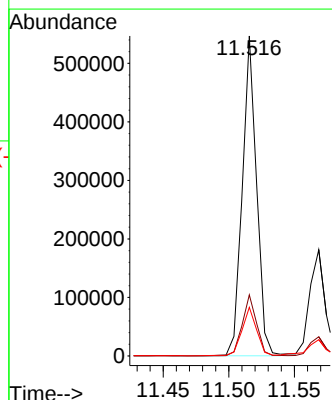
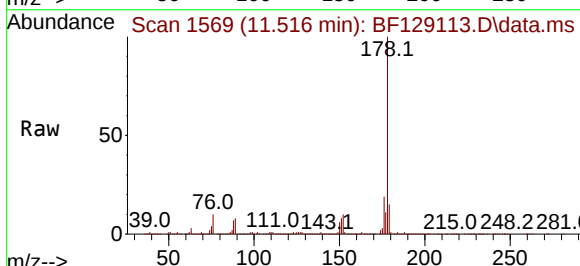
Tgt Ion:178 Resp: 414435

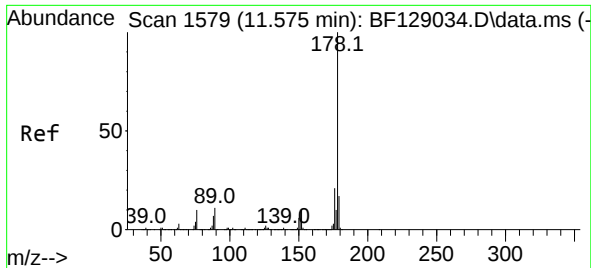
Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 15.2 12.6 19.0

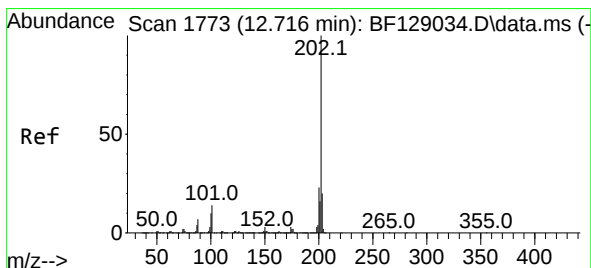
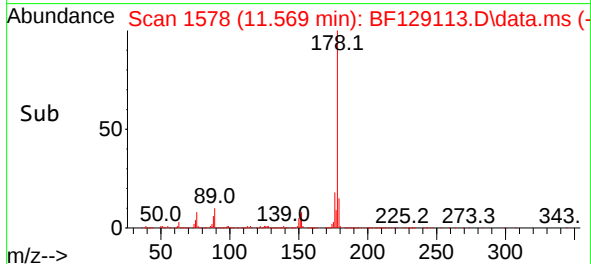
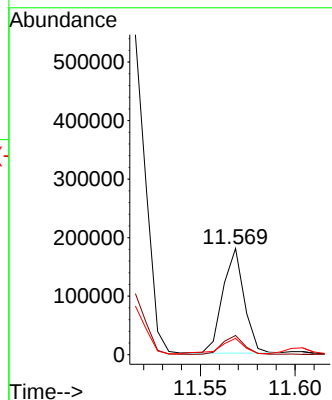
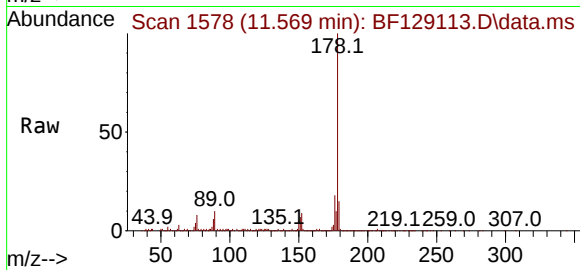




#72
 Anthracene
 Concen: 3.423 ng
 RT: 11.569 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129113.D
 Acq: 02 Jul 2022 02:00

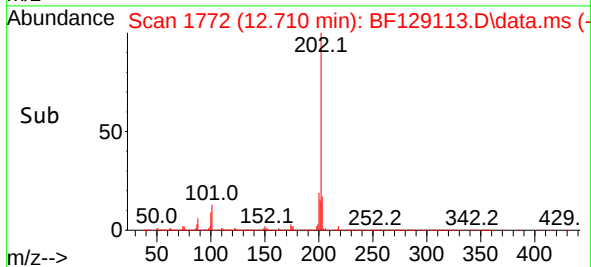
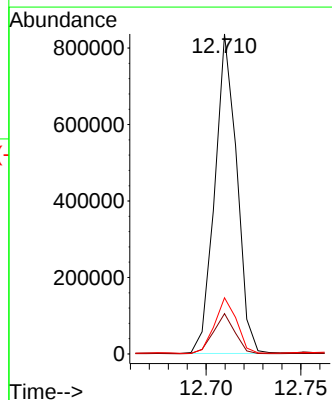
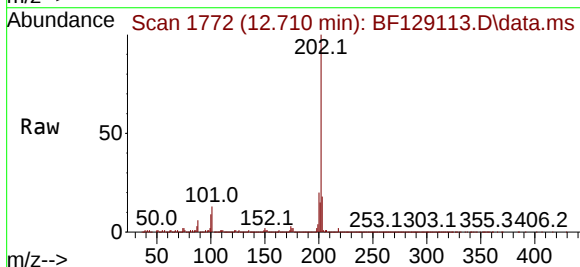
Instrument :
 BNA_F
 ClientSampleId :
 SB-13

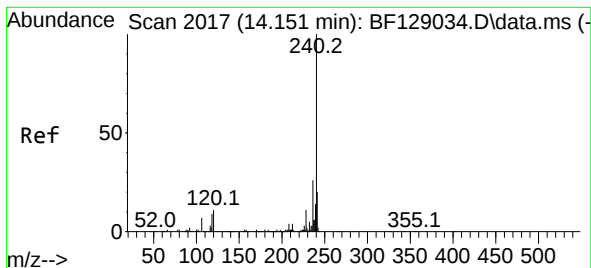
Tgt Ion:178 Resp: 141029
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 15.3 12.6 19.0



#75
 Fluoranthene
 Concen: 15.449 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF129113.D
 Acq: 02 Jul 2022 02:00

Tgt Ion:202 Resp: 675096
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

Instrument :

BNA_F

ClientSampleId :

SB-13

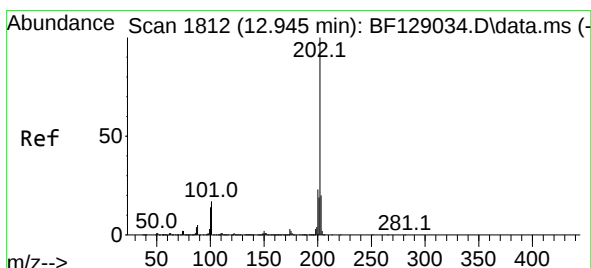
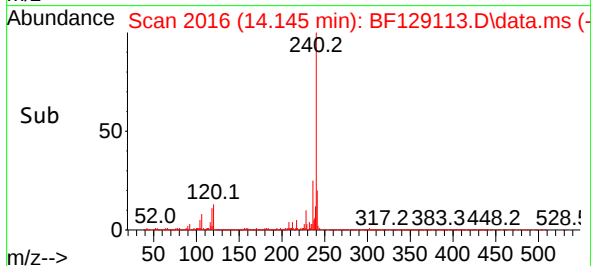
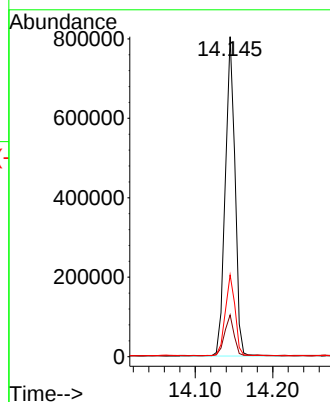
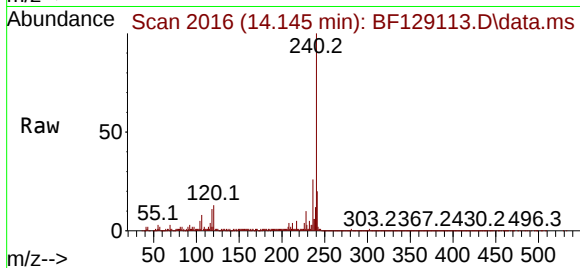
Tgt Ion:240 Resp: 700105

Ion Ratio Lower Upper

240 100

120 13.0 8.9 13.3

236 25.6 20.8 31.2



#78

Pyrene

Concen: 14.303 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

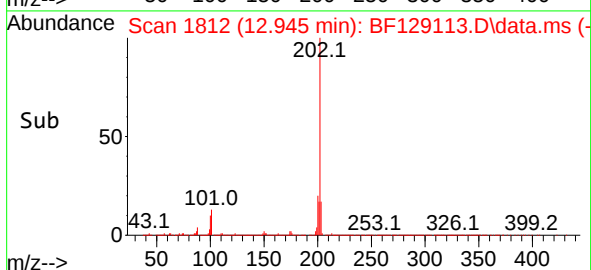
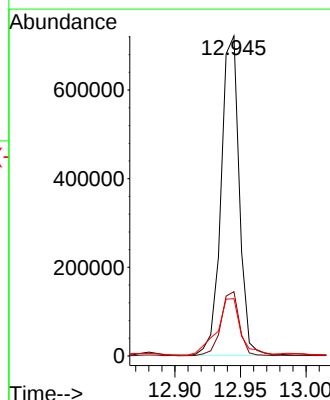
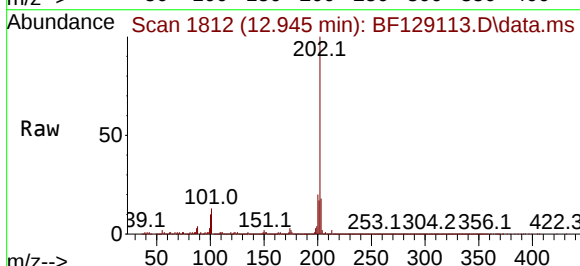
Tgt Ion:202 Resp: 694110

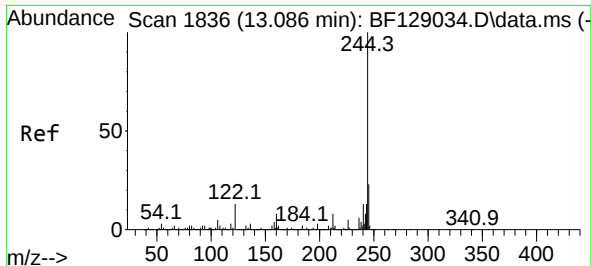
Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

203 17.9 14.6 21.8

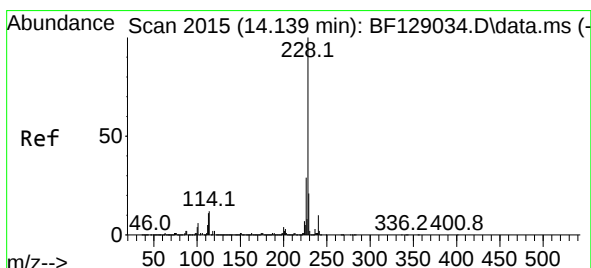
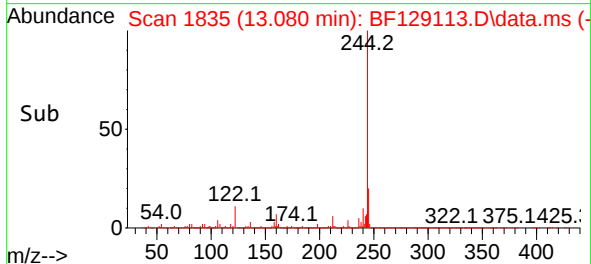
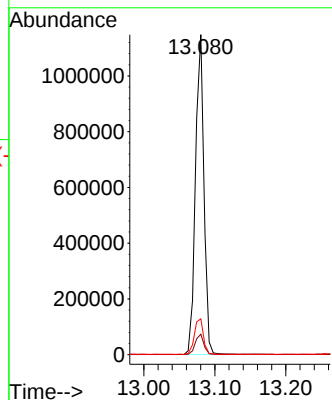
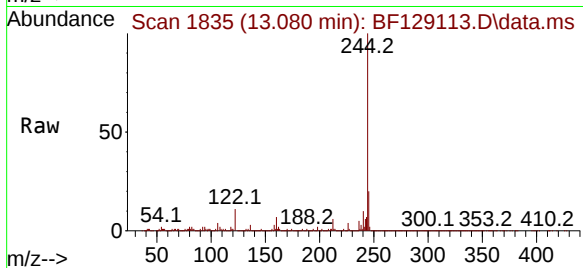




#79
 Terphenyl-d14
 Concen: 28.294 ng
 RT: 13.080 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129113.D
 Acq: 02 Jul 2022 02:00

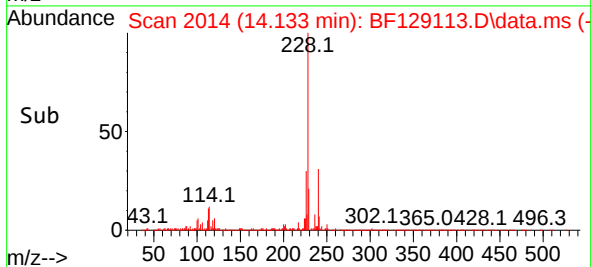
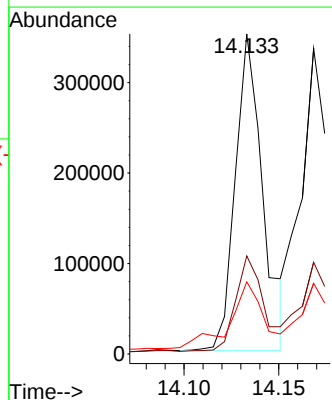
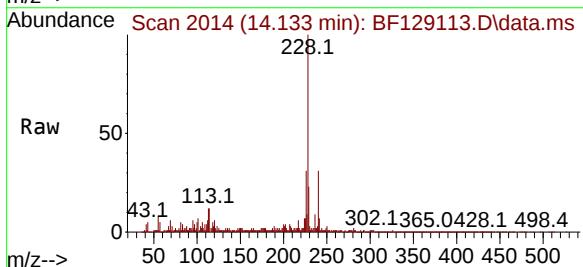
Instrument :
 BNA_F
 ClientSampleId :
 SB-13

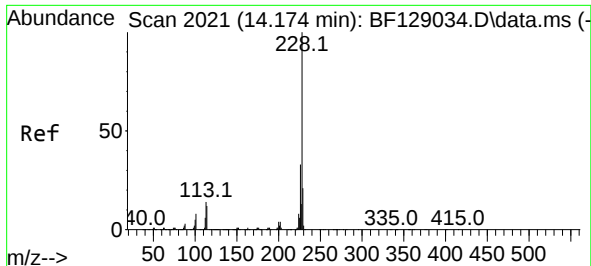
Tgt Ion:244 Resp: 953874
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 11.2 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 8.242 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129113.D
 Acq: 02 Jul 2022 02:00

Tgt Ion:228 Resp: 352330
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.1 33.1
 229 22.6 15.8 23.8

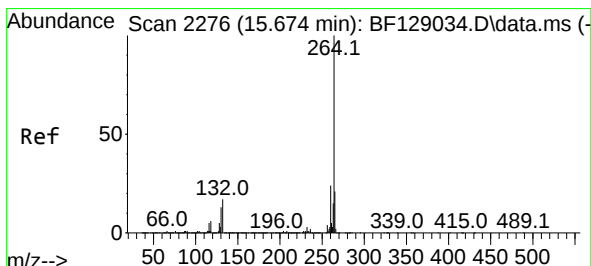
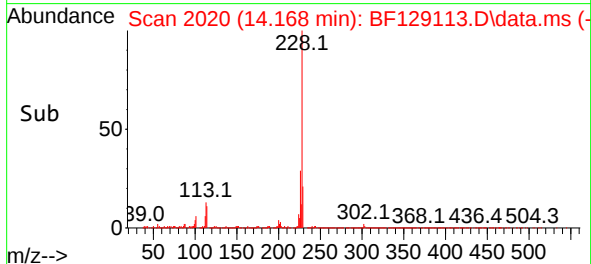
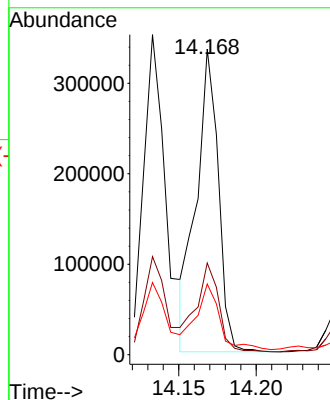
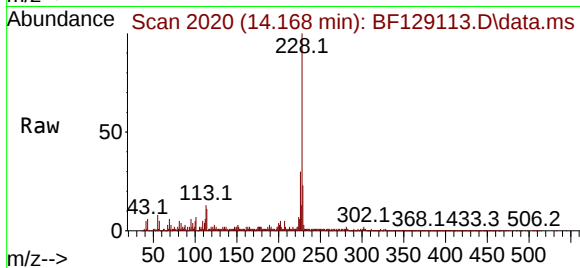




#83
Chrysene
Concen: 8.304 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

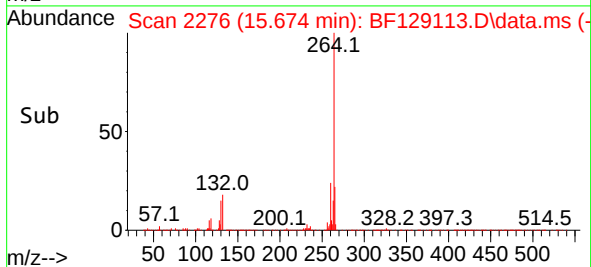
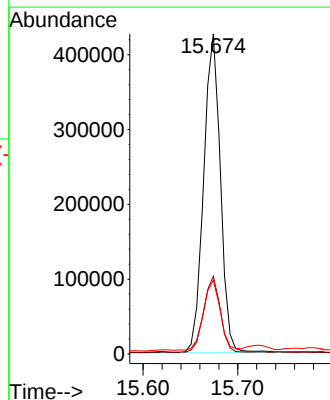
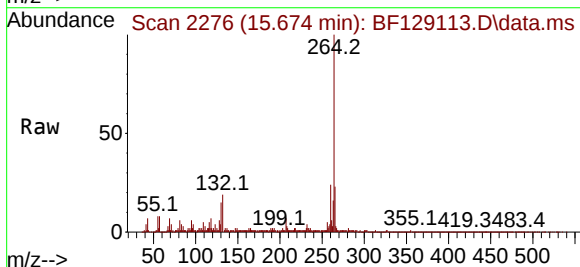
Instrument :
BNA_F
ClientSampleId :
SB-13

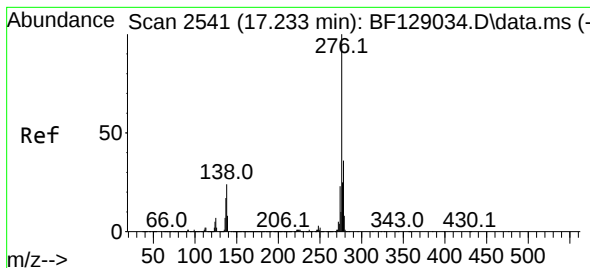
Tgt Ion:228 Resp: 329562
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 23.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:264 Resp: 521167
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 23.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.087 ng

RT: 17.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

Instrument :

BNA_F

ClientSampleId :

SB-13

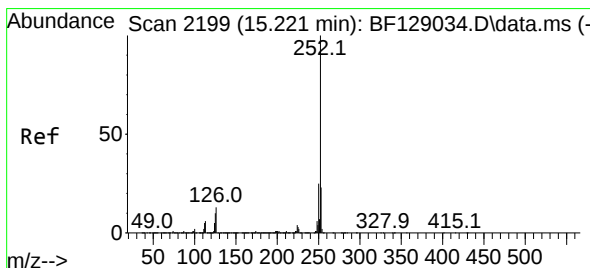
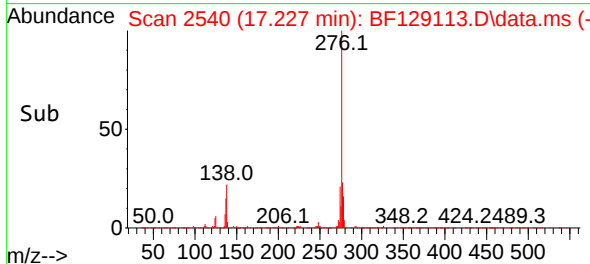
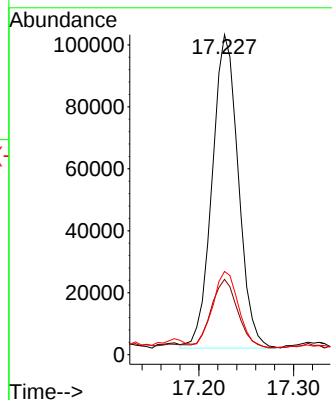
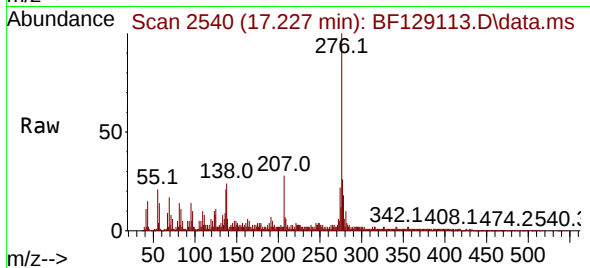
Tgt Ion:276 Resp: 194560

Ion Ratio Lower Upper

276 100

138 22.1 21.1 31.7

277 24.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 19.347 ng

RT: 15.215 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF129113.D

Acq: 02 Jul 2022 02:00

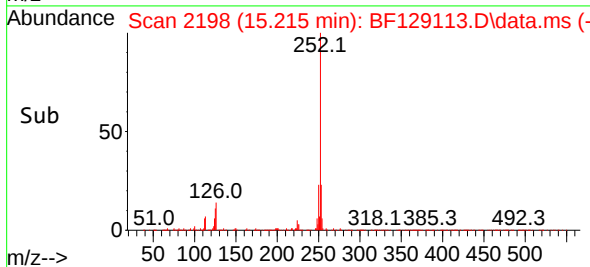
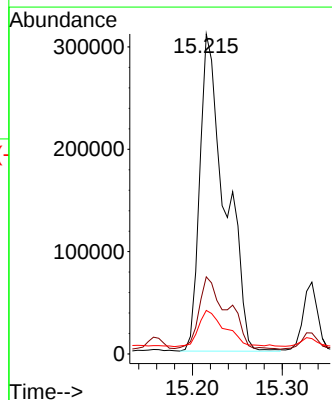
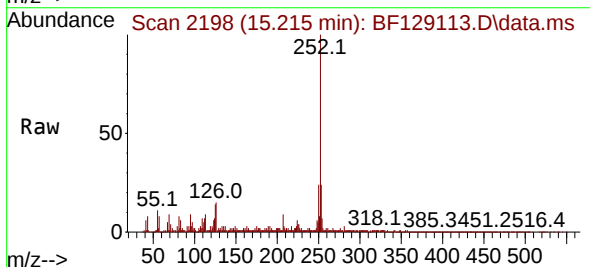
Tgt Ion:252 Resp: 606401

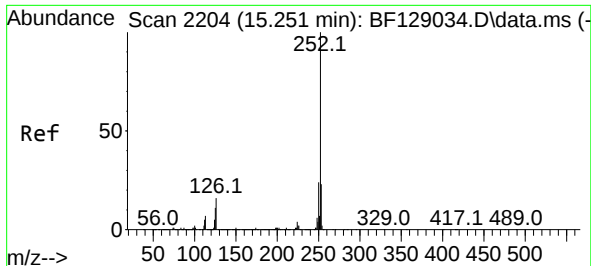
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 13.6 8.0 12.0#

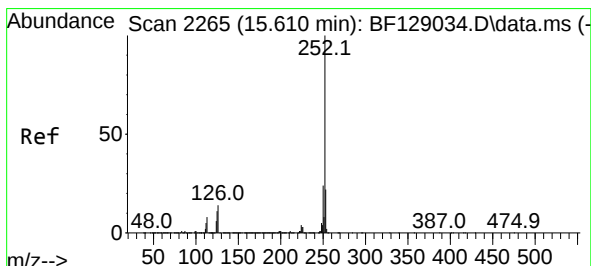
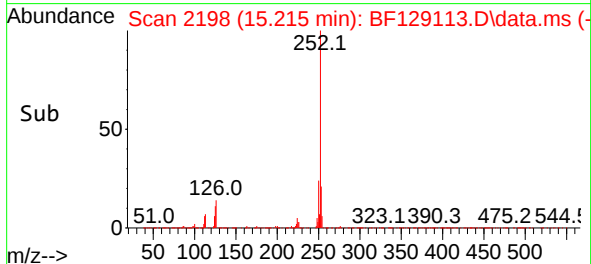
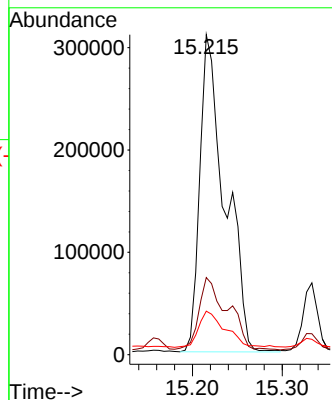
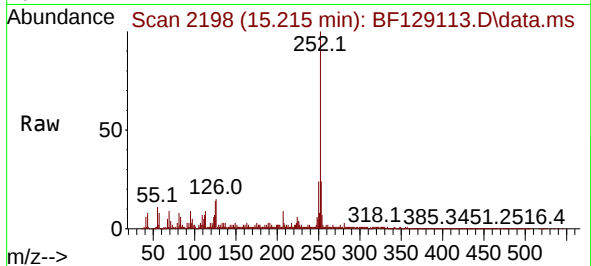




#89
Benzo(k)fluoranthene
Concen: 19.947 ng
RT: 15.215 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

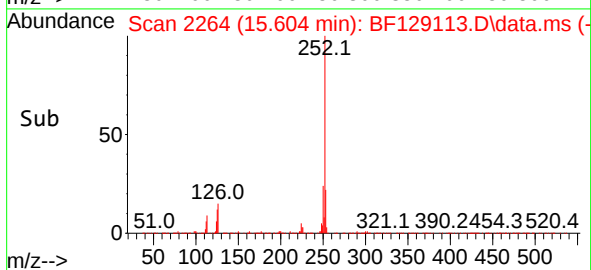
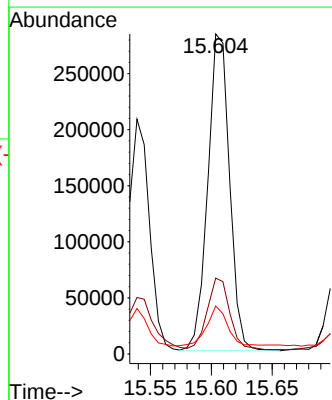
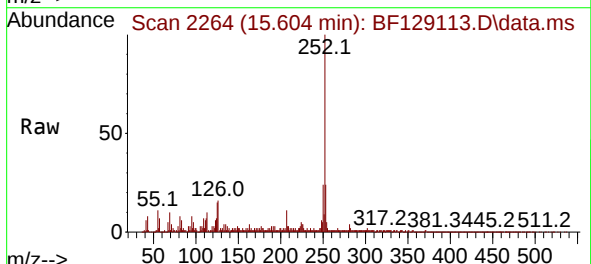
Instrument :
BNA_F
ClientSampleId :
SB-13

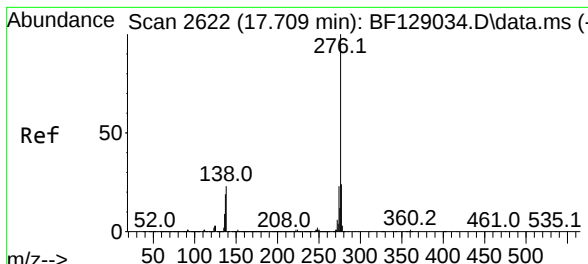
Tgt Ion:252 Resp: 606401
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 13.6 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 13.736 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF129113.D
Acq: 02 Jul 2022 02:00

Tgt Ion:252 Resp: 350974
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 15.0 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 6.627 ng
 RT: 17.703 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF129113.D
 Acq: 02 Jul 2022 02:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Tgt Ion: 276 Resp: 173253

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	22.9	18.0	27.0

