

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136155.D
 Acq On : 06 Nov 2023 15:27
 Operator : CG\JU
 Sample : 05256-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Quant Time: Nov 06 15:45:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

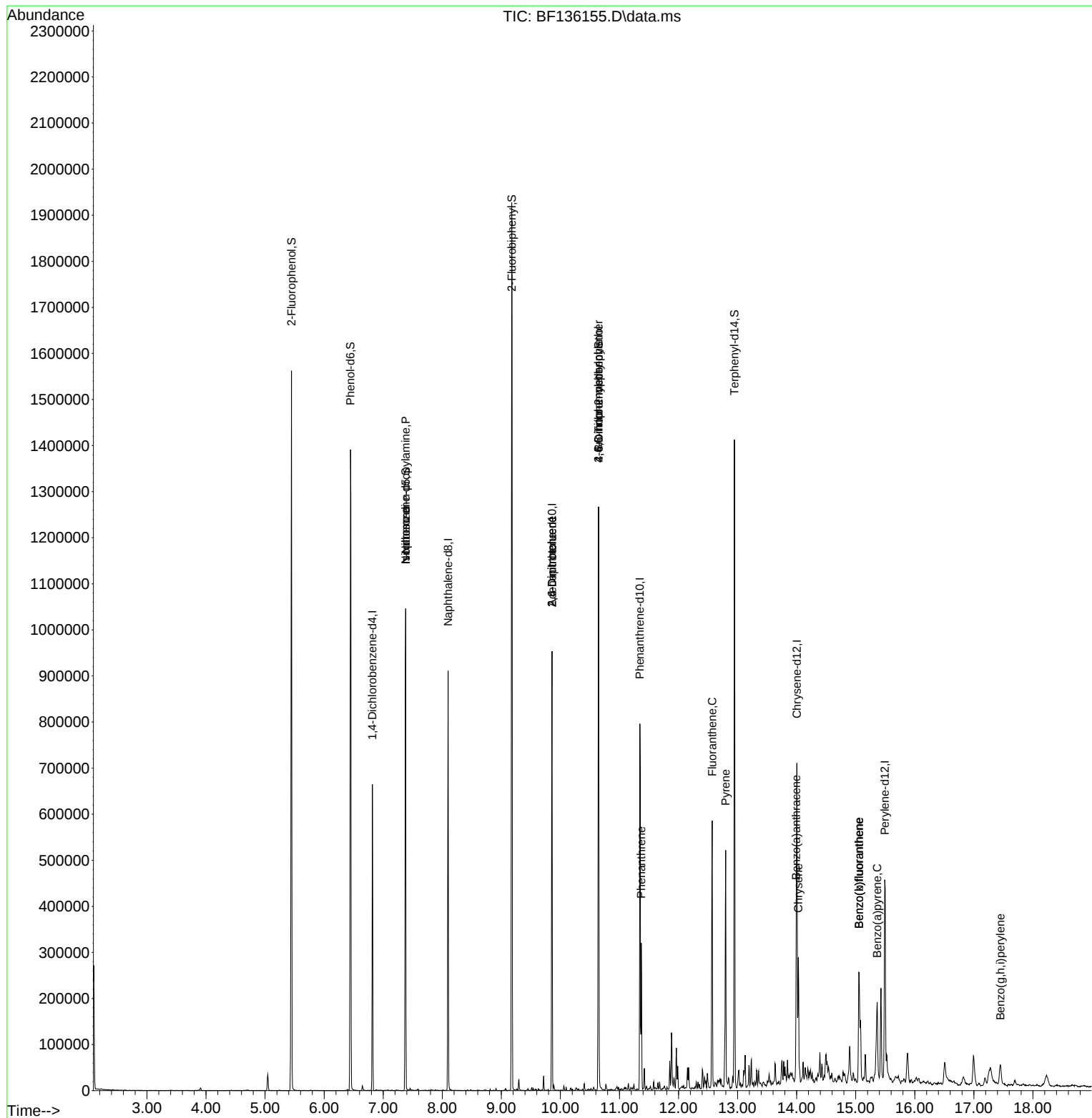
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	85796	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	340660	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	171085	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	284228	20.000	ng	0.00
76) Chrysene-d12	14.004	240	181533	20.000	ng	0.00
86) Perylene-d12	15.492	264	207507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	397291	72.766	ng	0.00
7) Phenol-d6	6.446	99	488282	71.779	ng	-0.01
23) Nitrobenzene-d5	7.381	82	309167	54.710	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	131672	72.105	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	575467	53.620	ng	0.00
79) Terphenyl-d14	12.945	244	451160	38.622	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	41429	10.659	ng	# 76
25) Isophorone	7.381	82	309163	28.979	ng	# 64
51) 2,6-Dinitrotoluene	9.857	165	21732	9.004	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	21732	7.116	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.645	198	218	5.913	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	8955	3.005	ng	# 1
71) Phenanthrene	11.369	178	113117	7.904	ng	99
75) Fluoranthene	12.569	202	225924	15.367	ng	96
78) Pyrene	12.798	202	194315	12.141	ng	99
81) Benzo(a)anthracene	13.992	228	103963	8.651	ng	93
83) Chrysene	14.027	228	102343	8.647	ng	97
88) Benzo(b)fluoranthene	15.057	252	190562	15.520	ng	99
89) Benzo(k)fluoranthene	15.057	252	190562	15.685	ng	98
90) Benzo(a)pyrene	15.363	252	64324	5.638	ng	98
92) Benzo(g,h,i)perylene	17.451	276	39608	5.838	ng	95

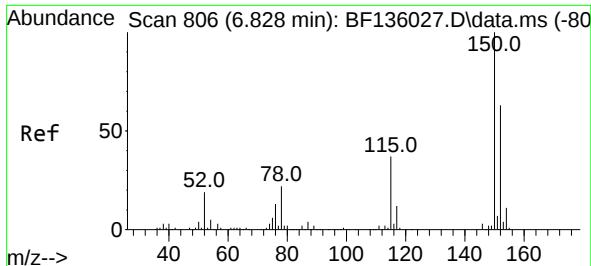
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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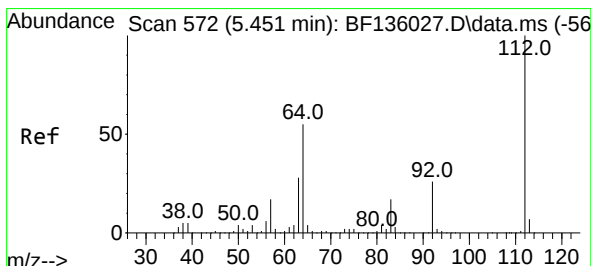
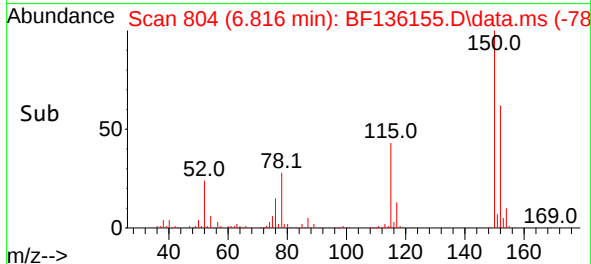
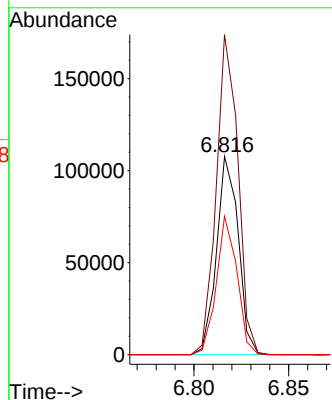
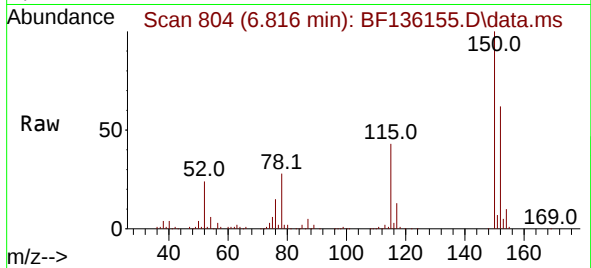




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

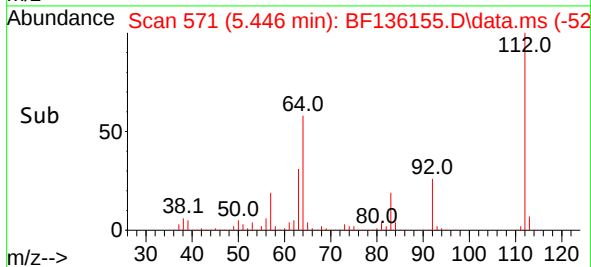
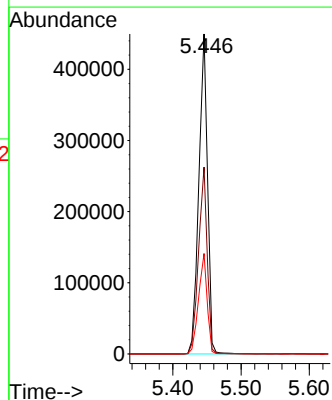
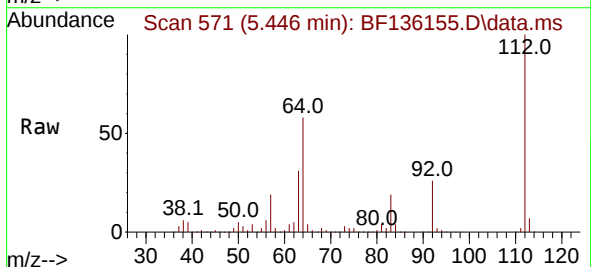
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:152 Resp: 85796
Ion Ratio Lower Upper
152 100
150 161.4 126.4 189.6
115 69.8 47.0 70.4



#5
2-Fluorophenol
Concen: 72.766 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:112 Resp: 397291
Ion Ratio Lower Upper
112 100
64 58.4 43.9 65.9
63 31.4 22.4 33.6

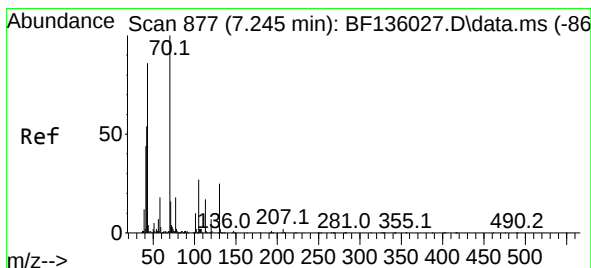
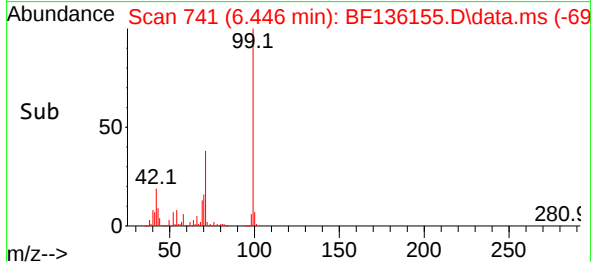
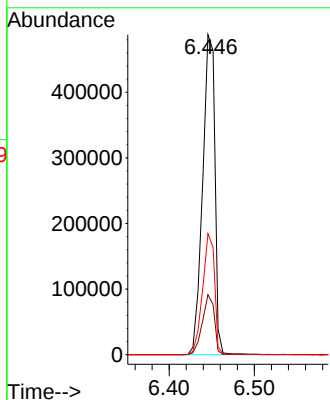
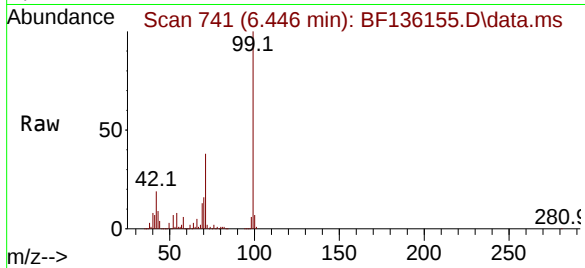




#7
Phenol-d6
Concen: 71.779 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

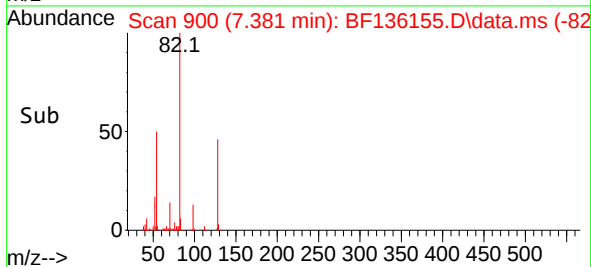
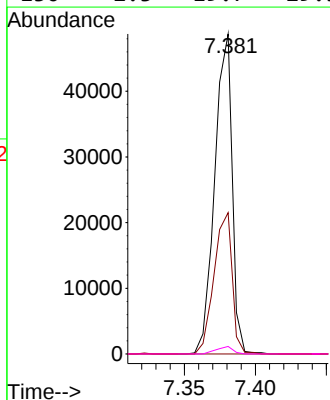
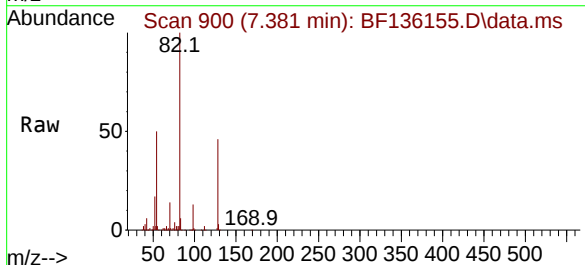
Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion: 99 Resp: 488282
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 37.8 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.659 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion: 70 Resp: 41429
Ion Ratio Lower Upper
70 100
42 44.1 43.0 64.4
101 0.0 8.0 12.0#
130 2.3 19.7 29.5#

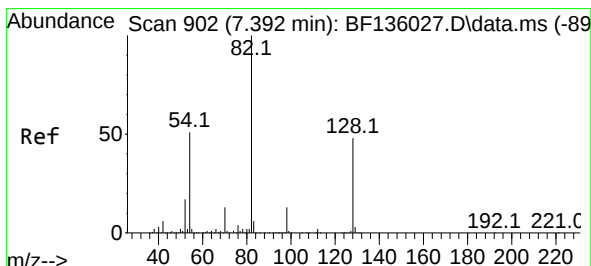
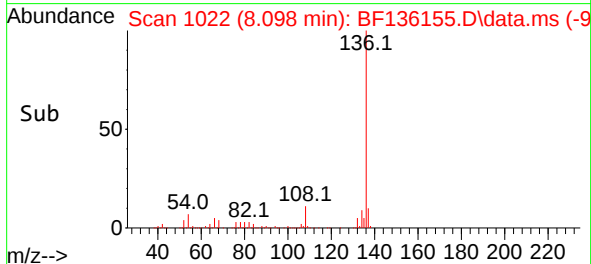
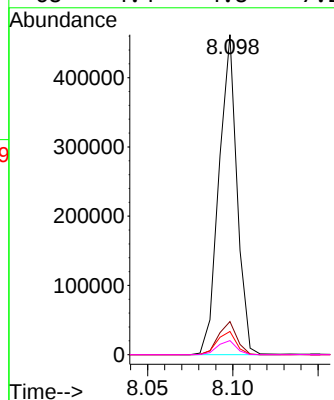
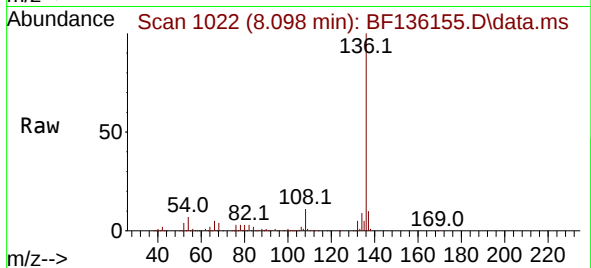




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

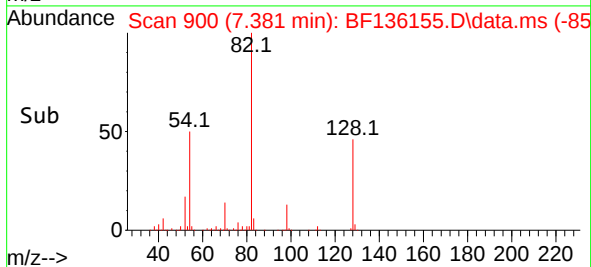
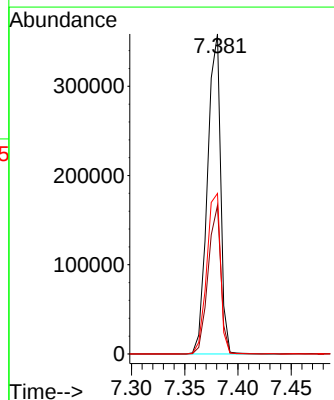
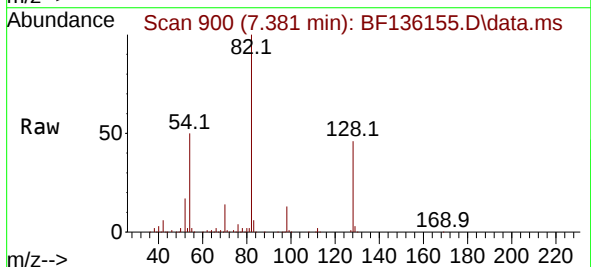
Instrument :
BNA_F
ClientSampleId :
WC-10

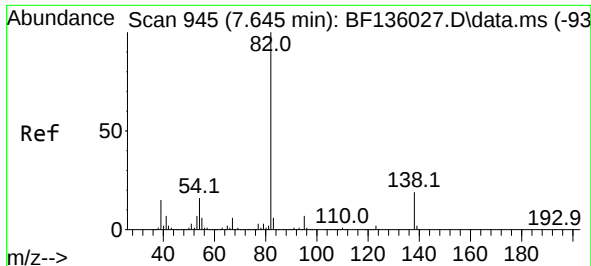
Tgt Ion:	136	Resp:	340660
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	7.3	6.6	9.8
68	4.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 54.710 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:	82	Resp:	309167
Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.6	57.8
54	50.2	40.8	61.2

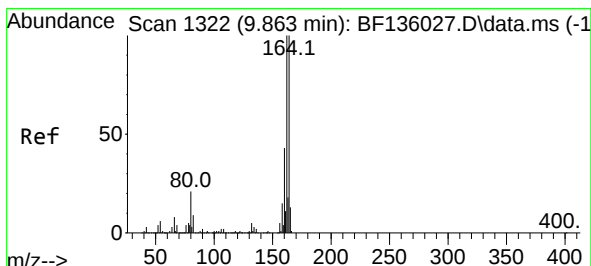
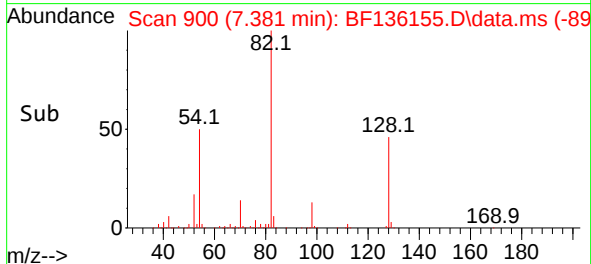
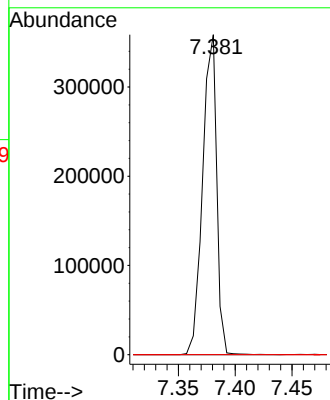
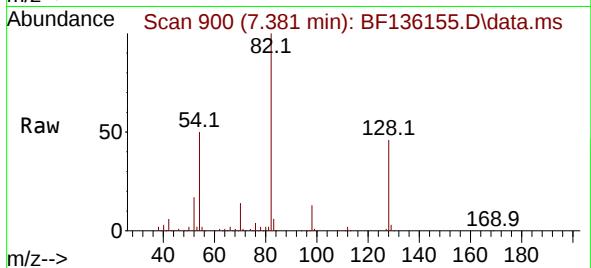




#25
Isophorone
Concen: 28.979 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

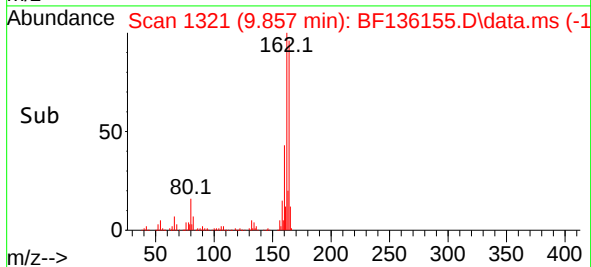
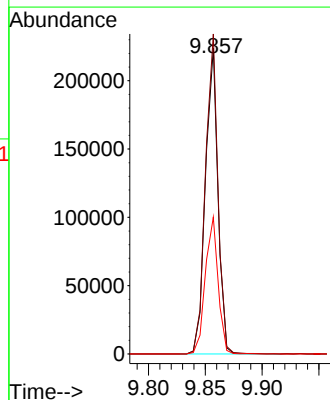
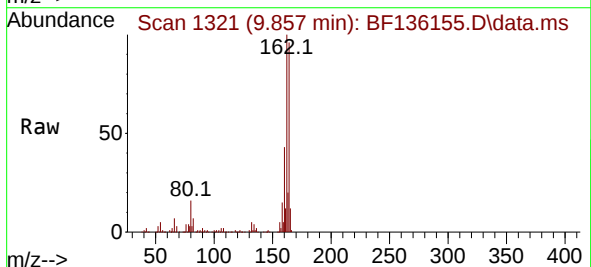
Instrument :
BNA_F
ClientSampleId :
WC-10

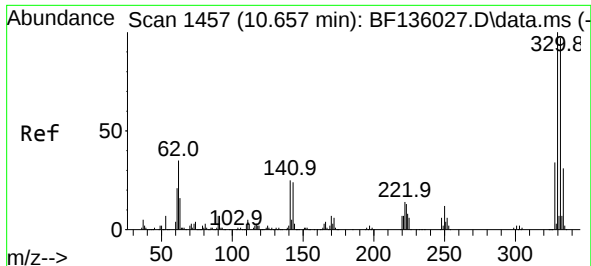
Tgt Ion: 82 Resp: 309163
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:164 Resp: 171085
Ion Ratio Lower Upper
164 100
162 104.7 80.1 120.1
160 44.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 72.105 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

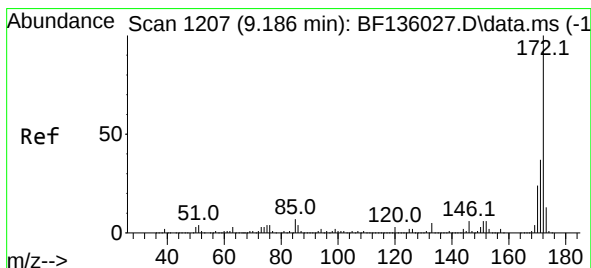
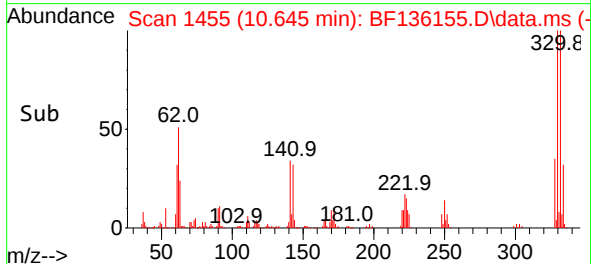
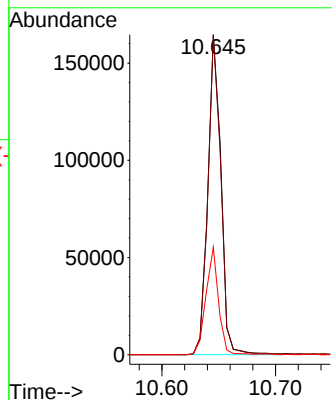
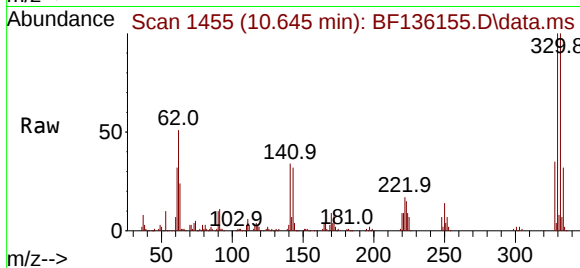
Tgt Ion:330 Resp: 131672

Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 32.6 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 53.620 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

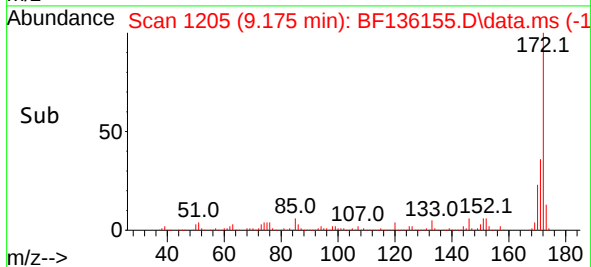
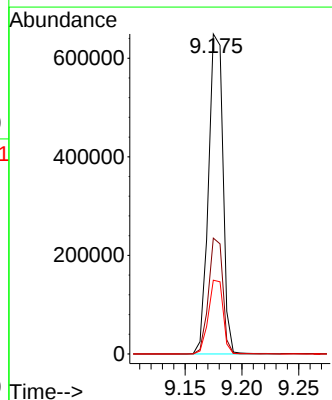
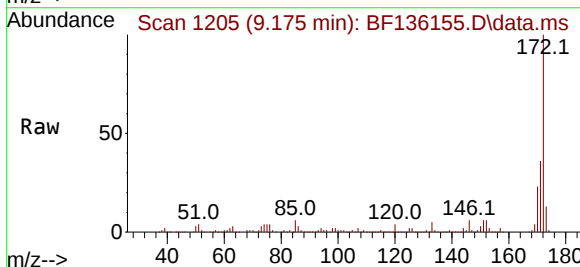
Tgt Ion:172 Resp: 575467

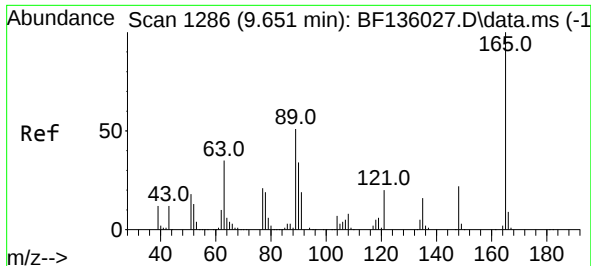
Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.1 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 9.004 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.212 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

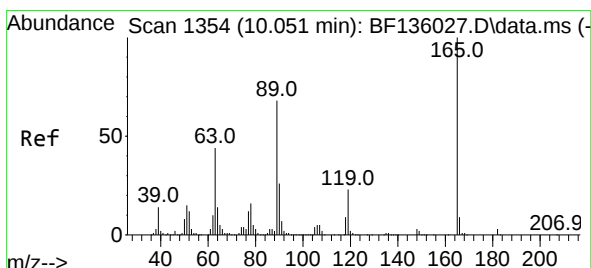
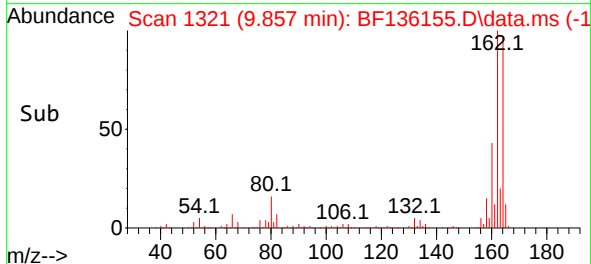
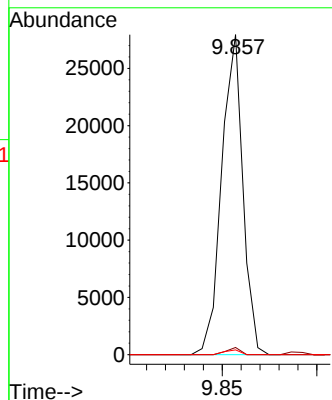
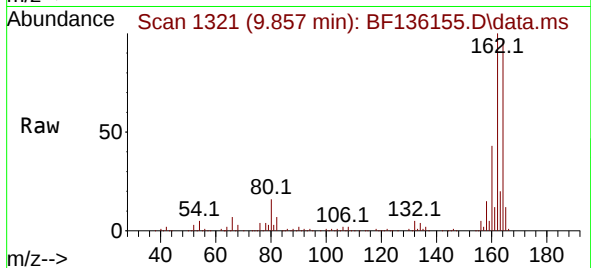
Tgt Ion:165 Resp: 21732

Ion Ratio Lower Upper

165 100

63 2.3 40.8 61.2#

89 1.5 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.116 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Tgt Ion:165 Resp: 21732

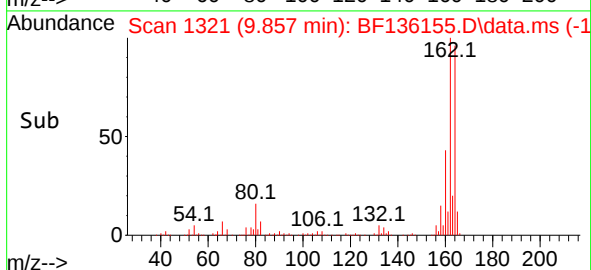
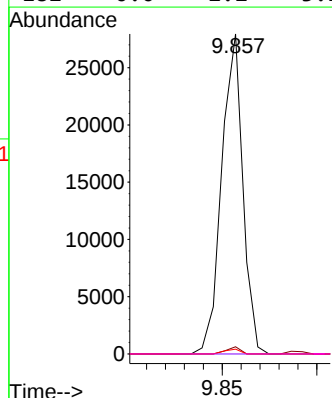
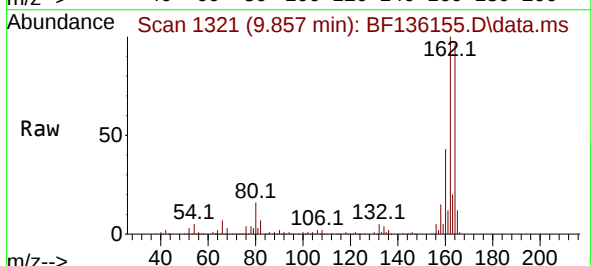
Ion Ratio Lower Upper

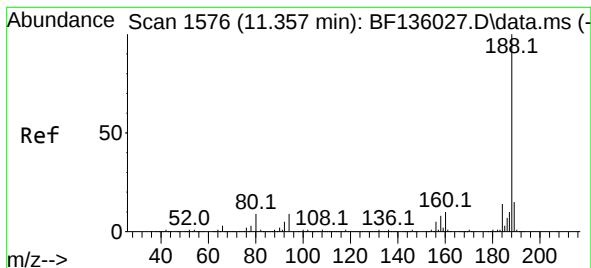
165 100

63 2.3 35.2 52.8#

89 1.5 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

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ClientSampleId :

WC-10

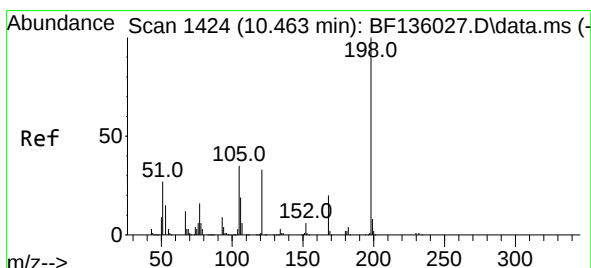
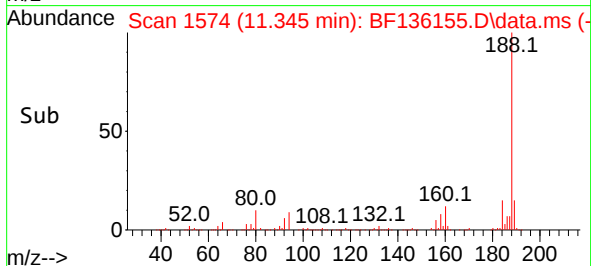
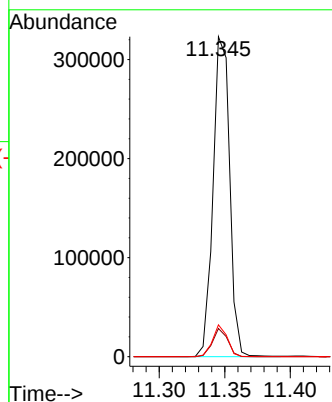
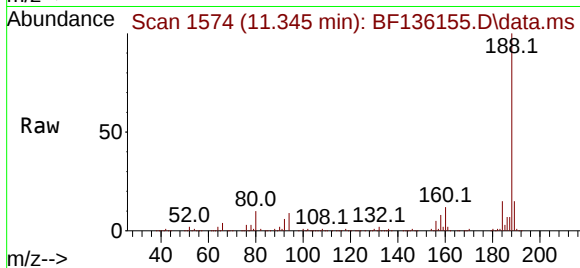
Tgt Ion:188 Resp: 284228

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

80 9.9 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.913 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

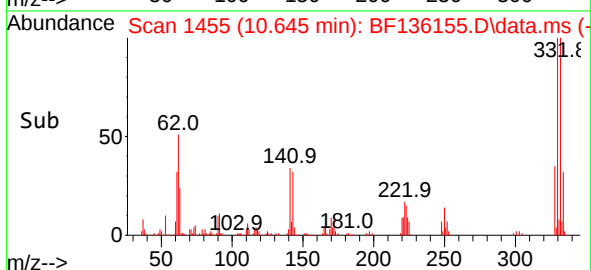
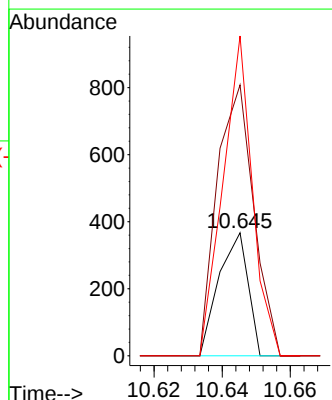
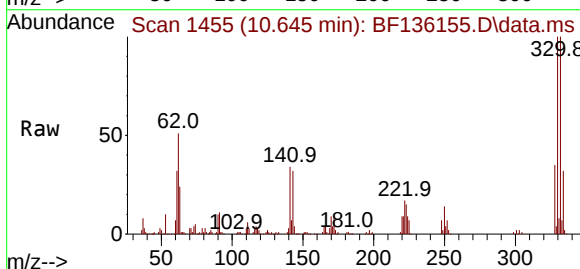
Tgt Ion:198 Resp: 218

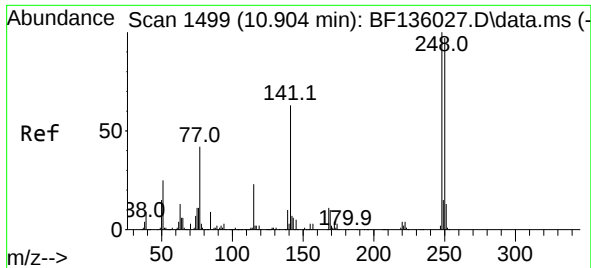
Ion Ratio Lower Upper

198 100

51 220.2 12.9 52.9#

105 259.9 16.0 56.0#

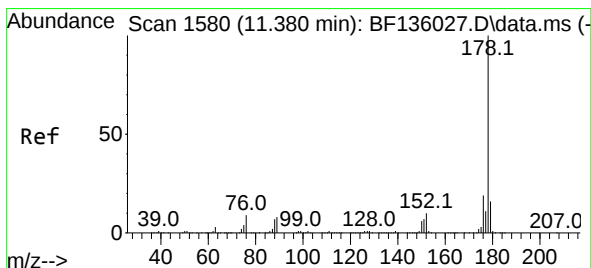
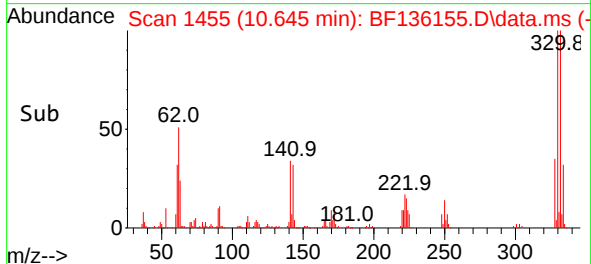
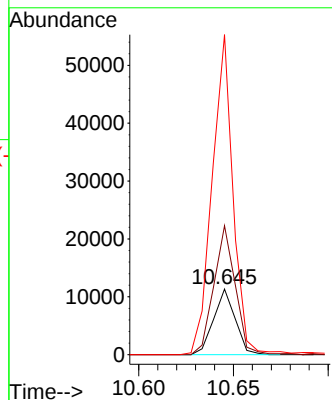
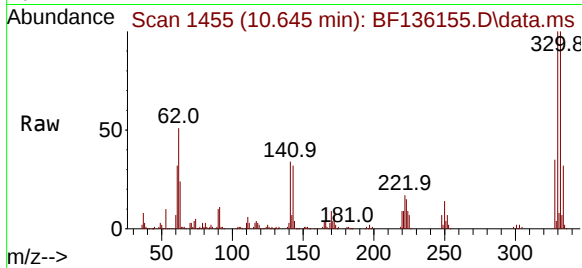




#67
4-Bromophenyl-phenylether
Concen: 3.005 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

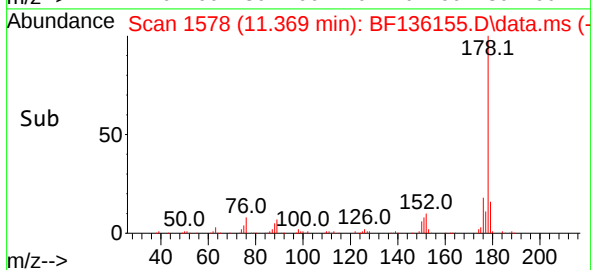
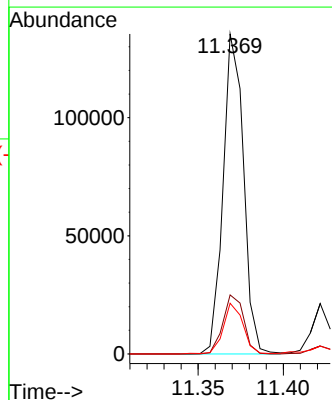
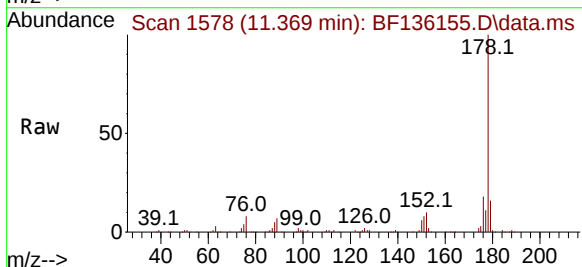
Instrument :
BNA_F
ClientSampleId :
WC-10

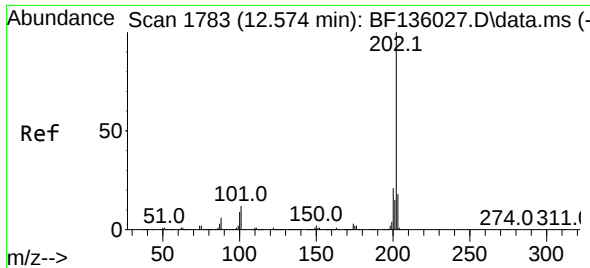
Tgt Ion:248 Resp: 8955
Ion Ratio Lower Upper
248 100
250 196.5 77.6 116.4#
141 487.7 50.4 75.6#



#71
Phenanthrene
Concen: 7.904 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:178 Resp: 113117
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.9 12.9 19.3

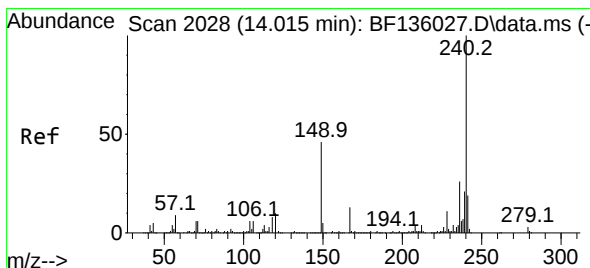
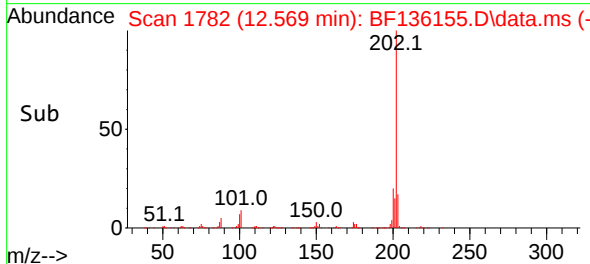
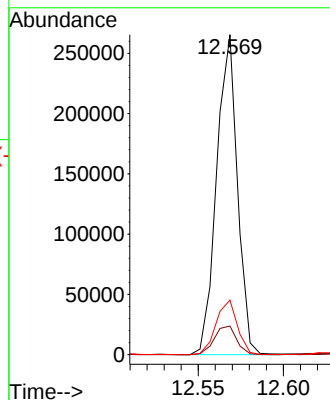
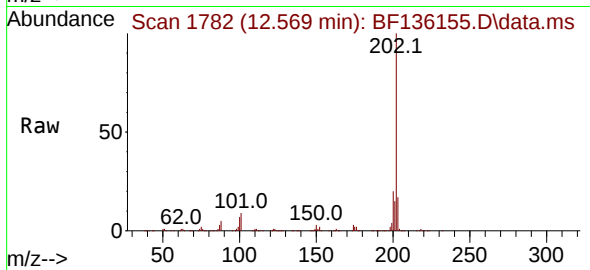




#75
Fluoranthene
Concen: 15.367 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

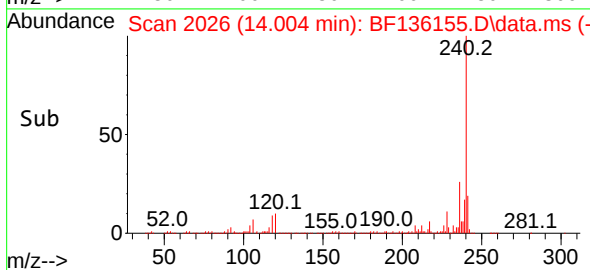
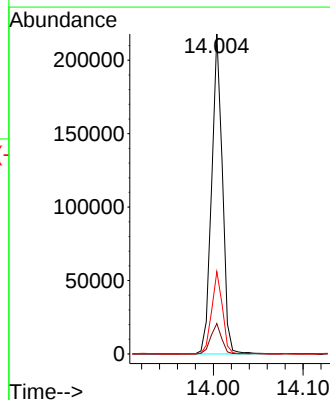
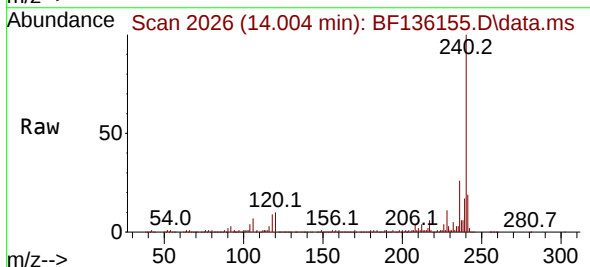
Instrument :
BNA_F
ClientSampleId :
WC-10

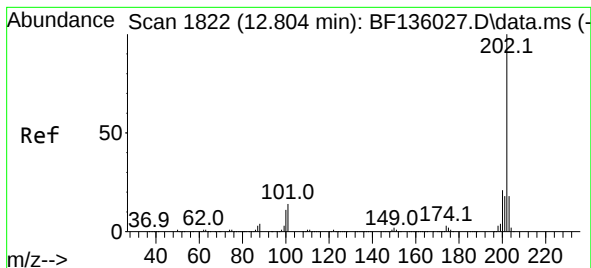
Tgt Ion:202 Resp: 225924
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.8
203 17.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:240 Resp: 181533
Ion Ratio Lower Upper
240 100
120 9.5 7.6 11.4
236 25.8 20.6 31.0





#78

Pyrene

Concen: 12.141 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

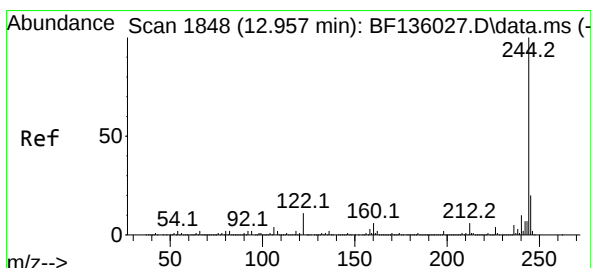
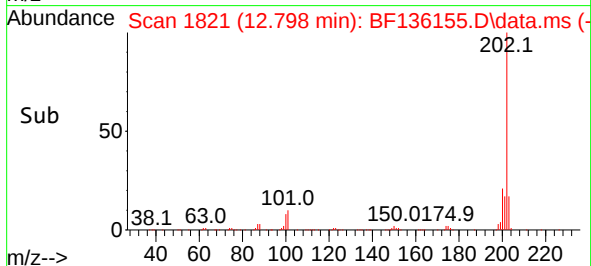
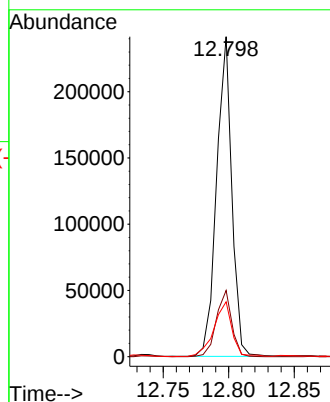
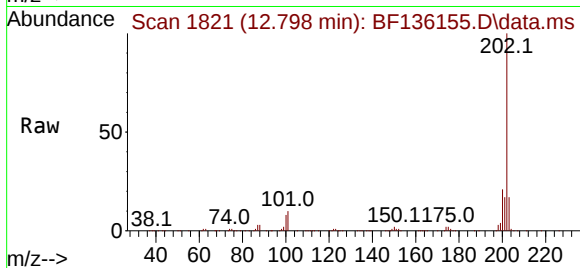
Tgt Ion:202 Resp: 194315

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 17.1 14.4 21.6



#79

Terphenyl-d14

Concen: 38.622 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

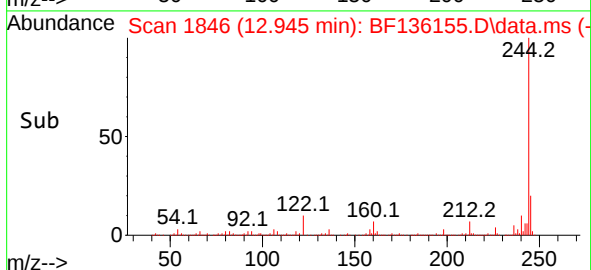
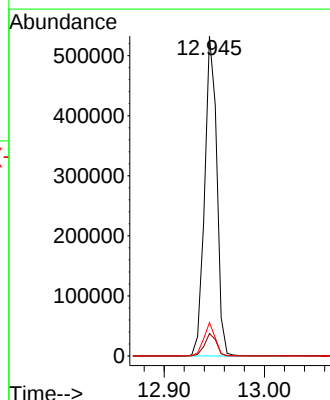
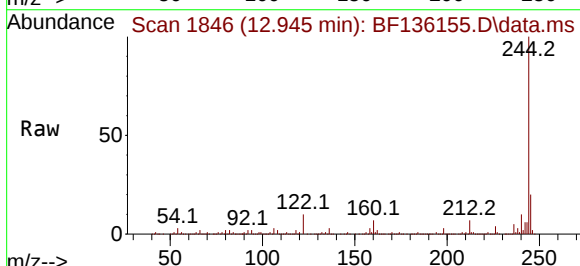
Tgt Ion:244 Resp: 451160

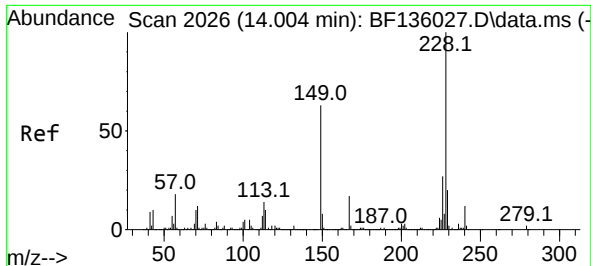
Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 10.4 8.6 12.8

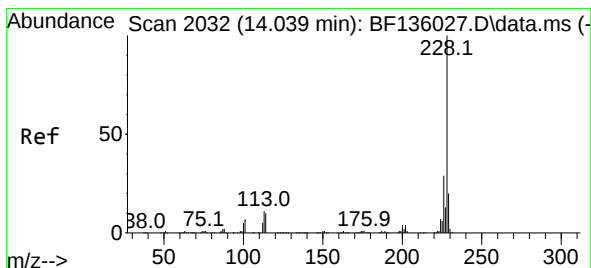
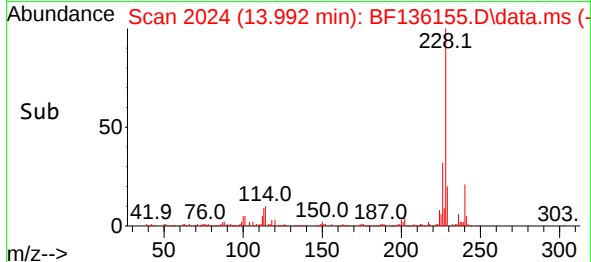
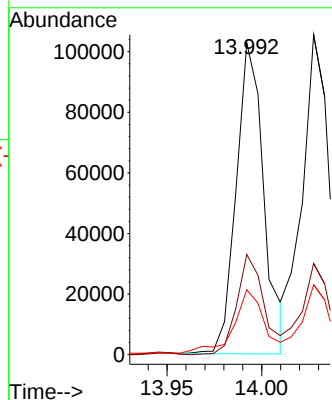
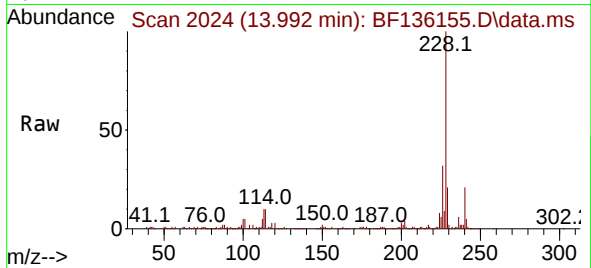




#81
Benzo(a)anthracene
Concen: 8.651 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

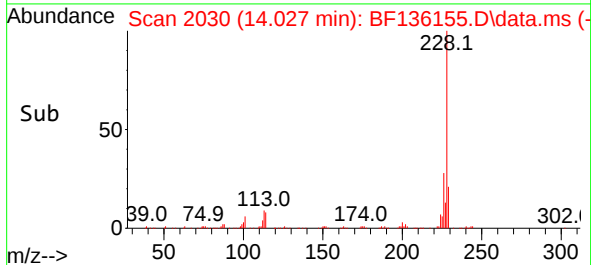
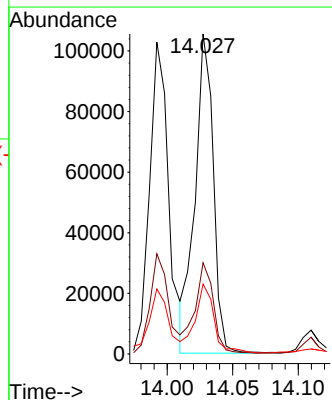
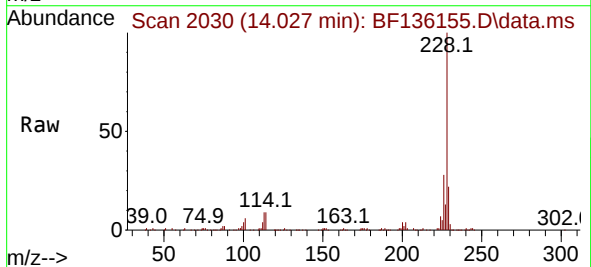
Instrument :
BNA_F
ClientSampleId :
WC-10

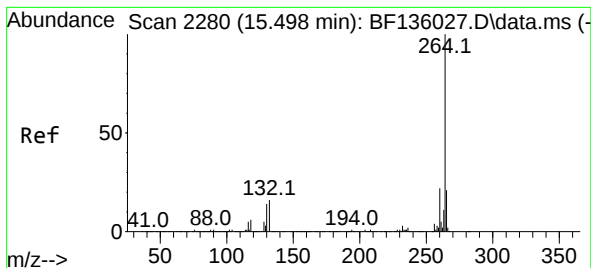
Tgt Ion:228 Resp: 103963
Ion Ratio Lower Upper
228 100
226 32.1 21.5 32.3
229 20.8 15.8 23.6



#83
Chrysene
Concen: 8.647 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:228 Resp: 102343
Ion Ratio Lower Upper
228 100
226 28.5 23.5 35.3
229 21.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

WC-10

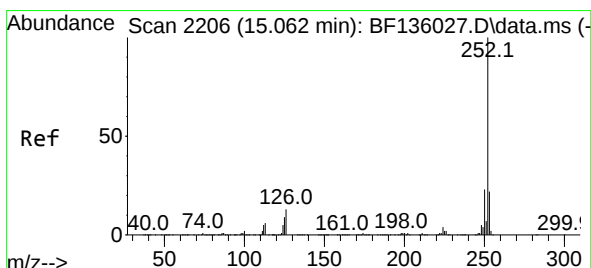
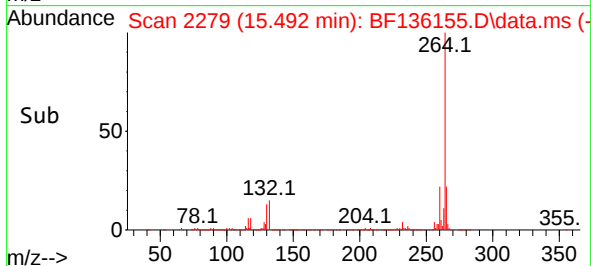
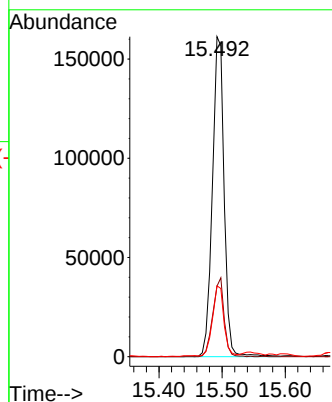
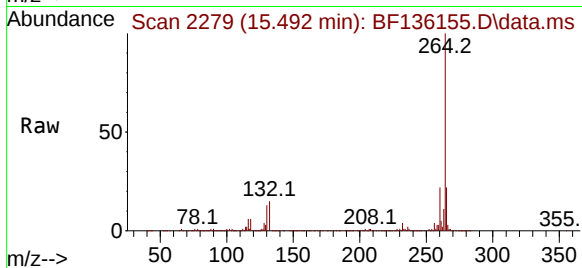
Tgt Ion:264 Resp: 207507

Ion Ratio Lower Upper

264 100

260 22.1 17.9 26.9

265 22.2 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 15.520 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF136155.D

Acq: 06 Nov 2023 15:27

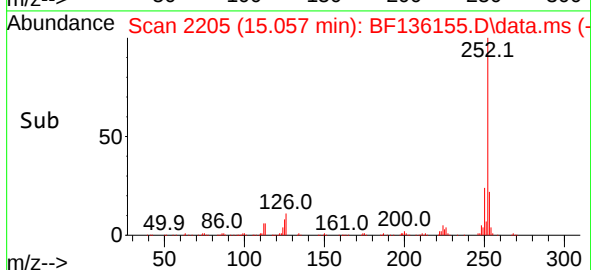
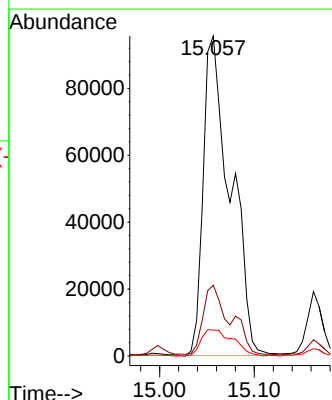
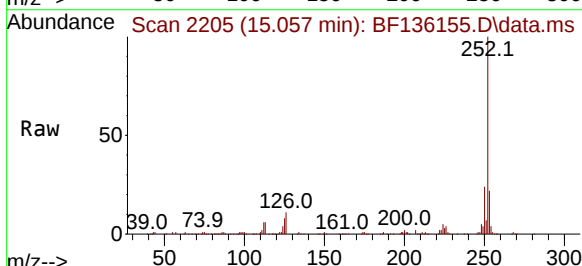
Tgt Ion:252 Resp: 190562

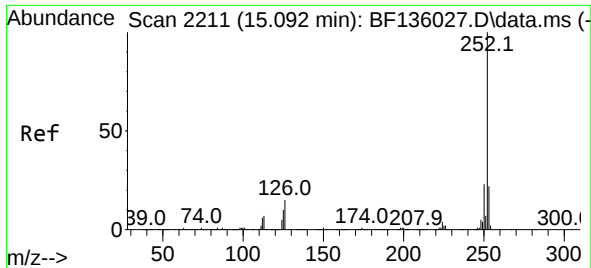
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 8.1 7.5 11.3

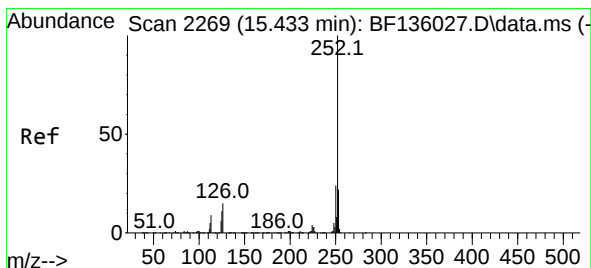
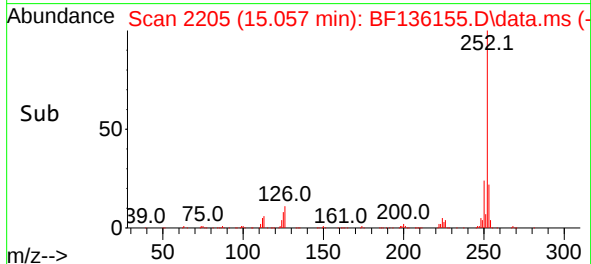
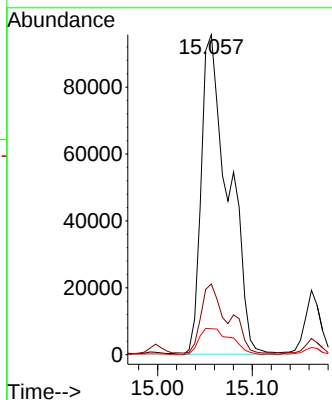
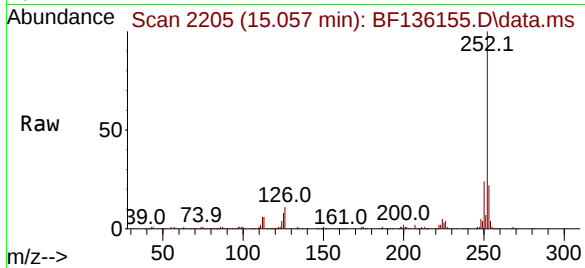




#89
Benzo(k)fluoranthene
Concen: 15.685 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

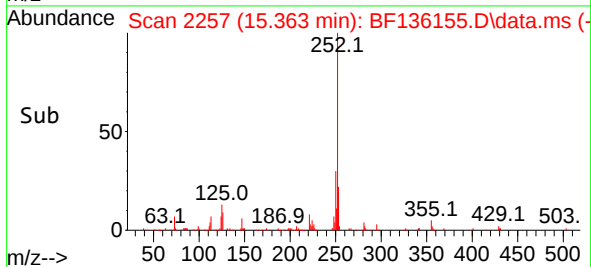
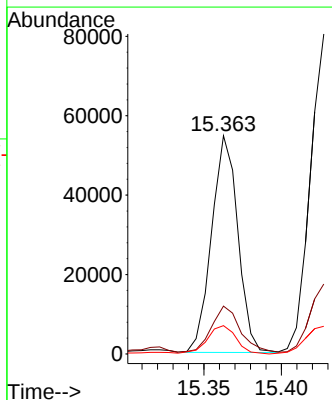
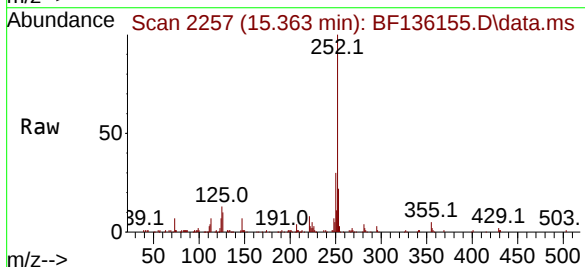
Instrument :
BNA_F
ClientSampleId :
WC-10

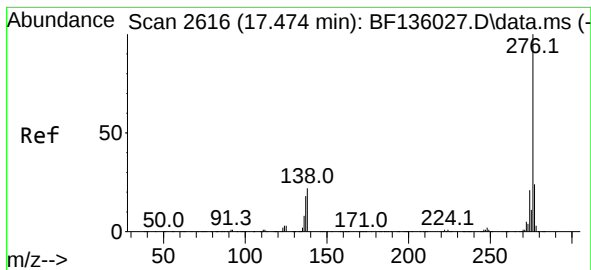
Tgt Ion:252 Resp: 190562
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 8.1 8.0 12.0



#90
Benzo(a)pyrene
Concen: 5.638 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.070 min
Lab File: BF136155.D
Acq: 06 Nov 2023 15:27

Tgt Ion:252 Resp: 64324
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 13.0 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 5.838 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF136155.D
 Acq: 06 Nov 2023 15:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Tgt Ion:	276	Resp:	39608
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.4
138	18.6	17.4	26.2

