

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134136.D
 Acq On : 07 Jul 2023 14:05
 Operator : CG\JU
 Sample : 03393-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SF-10

Quant Time: Jul 07 23:03:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

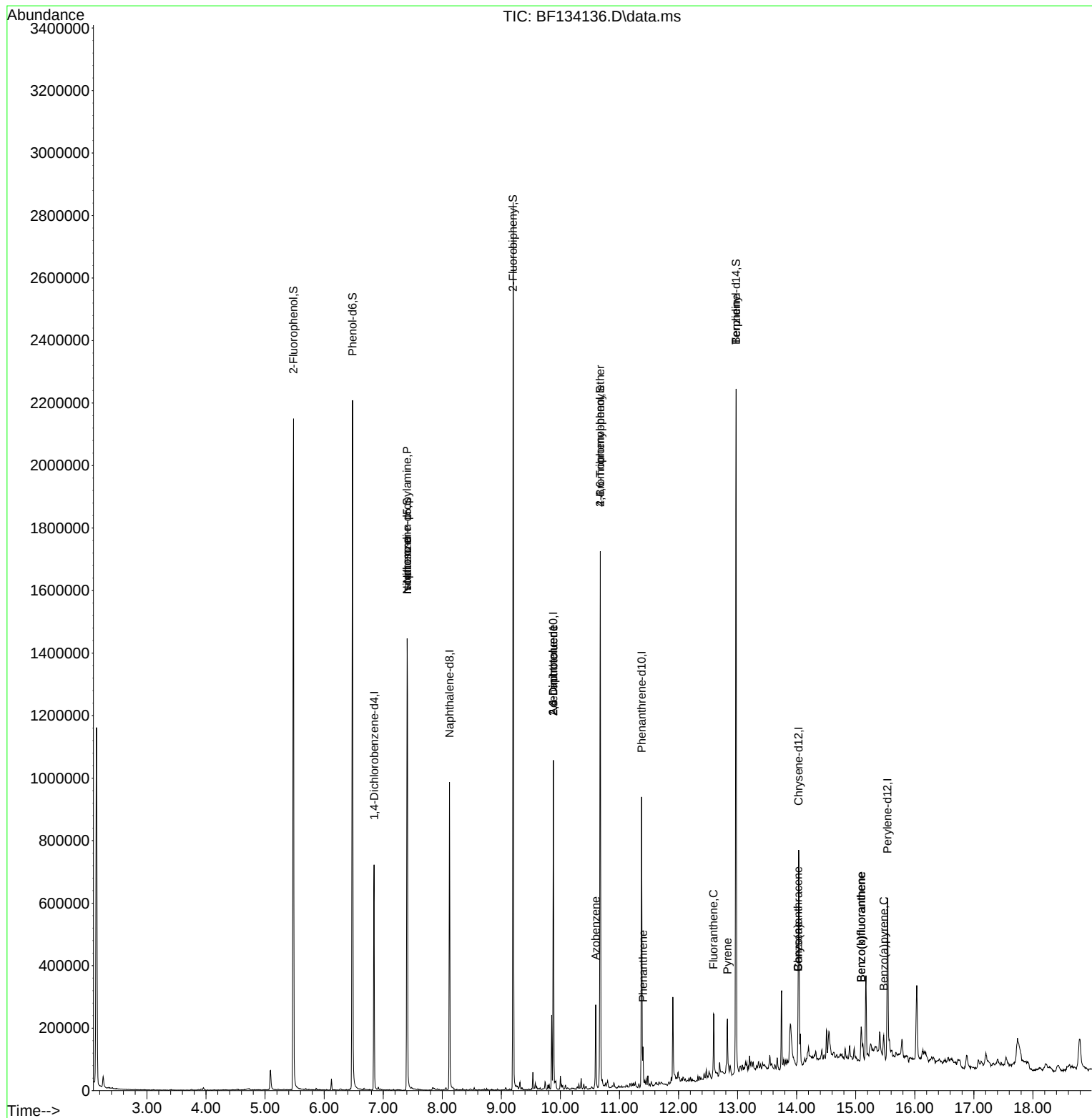
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	101789	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	394327	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	187592	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	321524	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	225410	20.000	ng	-0.02
86) Perylene-d12	15.539	264	244252	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	564305	92.736	ng	0.00
7) Phenol-d6	6.481	99	681016	91.003	ng	-0.01
23) Nitrobenzene-d5	7.404	82	460080	62.894	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	193107	82.102	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	857193	66.435	ng	-0.01
79) Terphenyl-d14	12.975	244	750059	53.554	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	468	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.404	70	64859	13.667	ng	# 79
25) Isophorone	7.404	82	460142	34.611	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	24781	8.449	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	24781	6.398	ng	# 22
63) Azobenzene	10.598	77	40873	3.046	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	11697	3.423	ng	# 1
71) Phenanthrene	11.398	178	35733	2.208	ng	99
75) Fluoranthene	12.592	202	86114	4.921	ng	98
77) Benzidine	12.975	184	10782	2.010	ng	# 92
78) Pyrene	12.827	202	73521	3.505	ng	99
81) Benzo(a)anthracene	14.022	228	44101	2.821	ng	97
83) Chrysene	14.022	228	44101	2.913	ng	99
88) Benzo(b)fluoranthene	15.092	252	84758	5.901	ng	98
89) Benzo(k)fluoranthene	15.092	252	84758	5.796	ng	99
90) Benzo(a)pyrene	15.474	252	35243	2.538	ng	94

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

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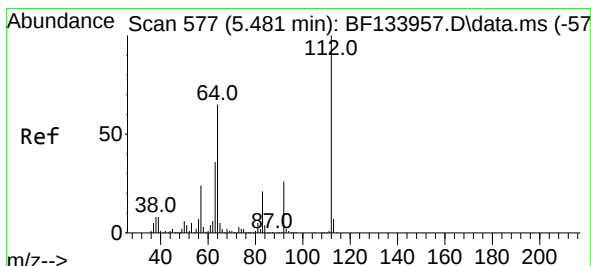
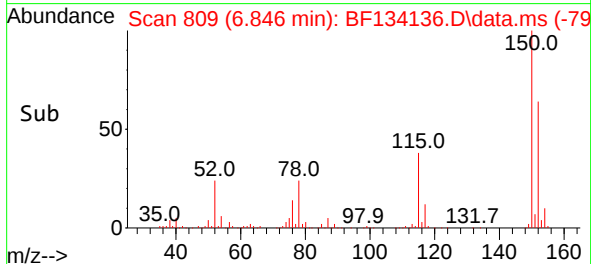
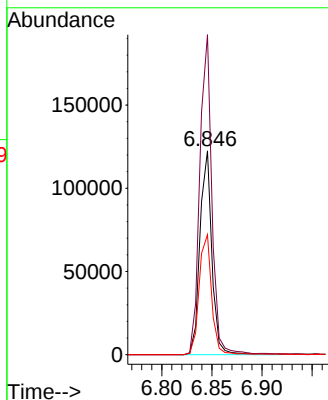
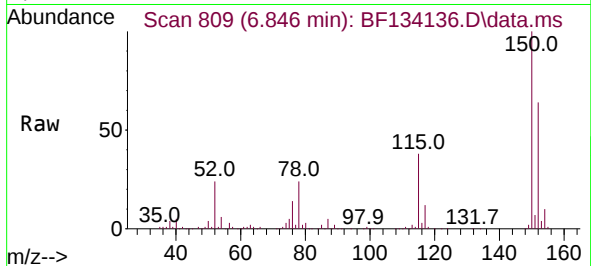




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

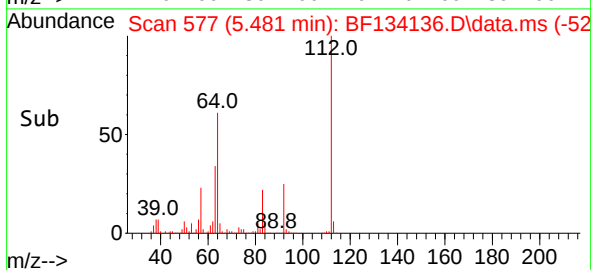
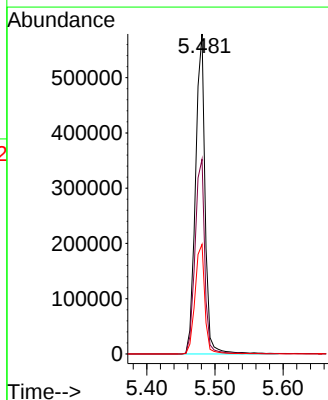
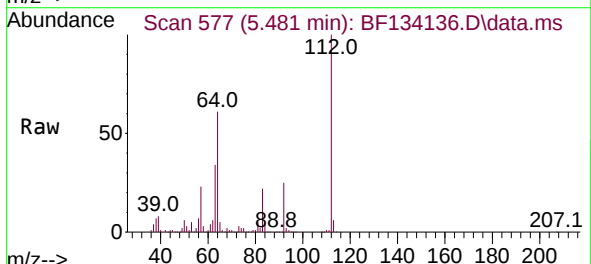
Instrument :
BNA_F
ClientSampleId :
SF-10

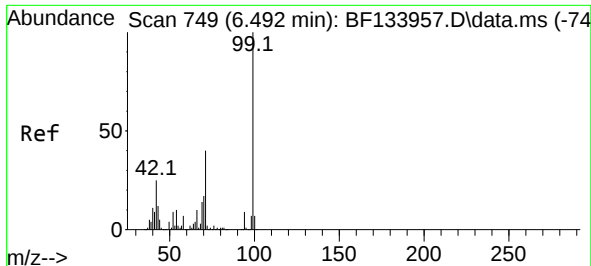
Tgt Ion:152 Resp: 101789
Ion Ratio Lower Upper
152 100
150 157.0 124.5 186.7
115 58.9 50.2 75.2



#5
2-Fluorophenol
Concen: 92.736 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:112 Resp: 564305
Ion Ratio Lower Upper
112 100
64 60.9 52.1 78.1
63 34.2 28.6 42.8

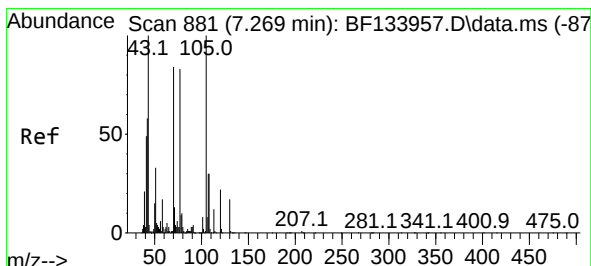
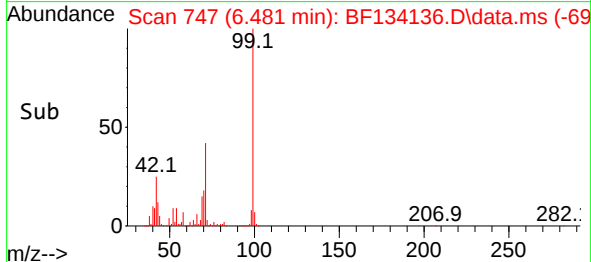
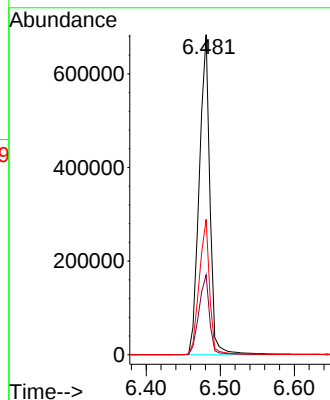
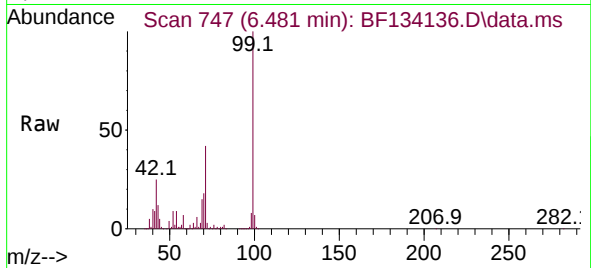




#7
Phenol-d6
Concen: 91.003 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

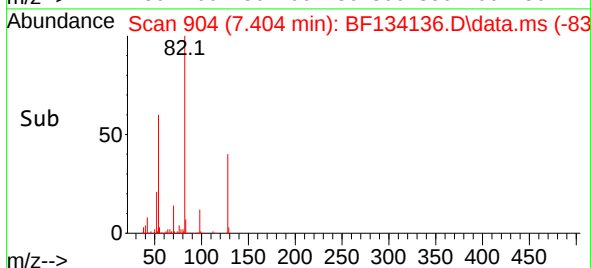
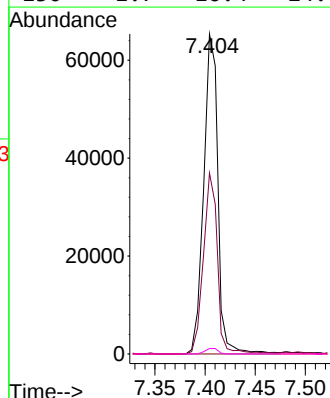
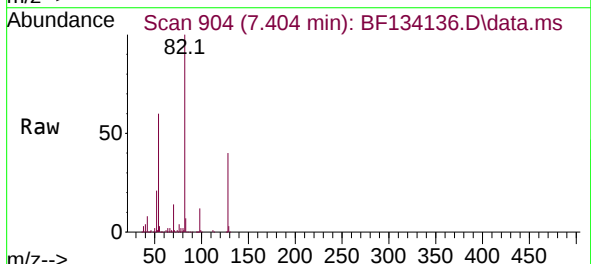
Instrument :
BNA_F
ClientSampleId :
SF-10

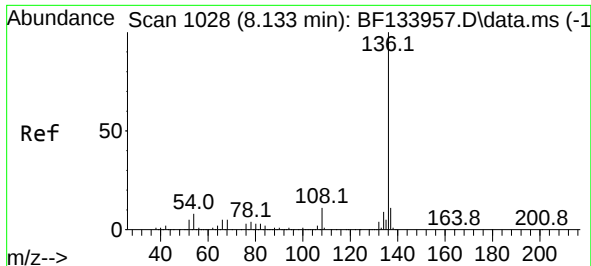
Tgt Ion:	99	Resp:	681016
Ion	Ratio	Lower	Upper
99	100		
42	24.9	19.8	29.6
71	42.3	31.9	47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.667 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:	70	Resp:	64859
Ion	Ratio	Lower	Upper
70	100		
42	56.5	54.7	82.1
101	0.0	7.7	11.5#
130	1.7	16.4	24.6#



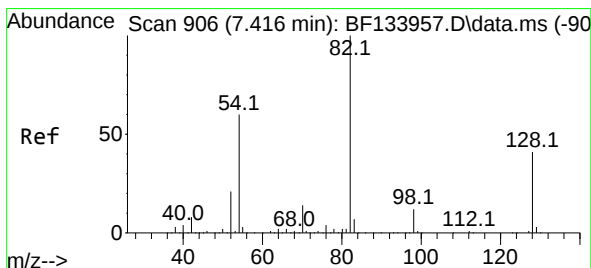
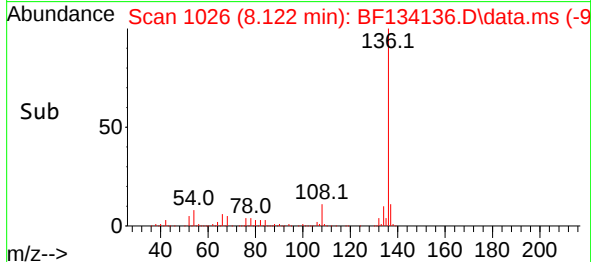
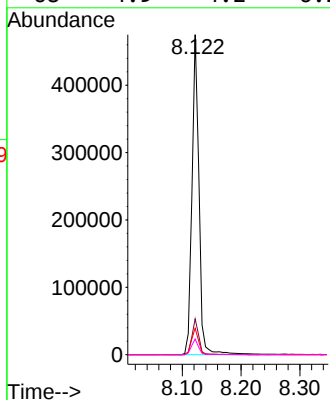
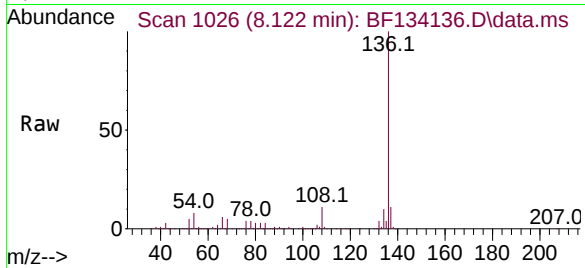


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Instrument :
BNA_F
ClientSampleId :
SF-10

Tgt Ion:136 Resp: 394327

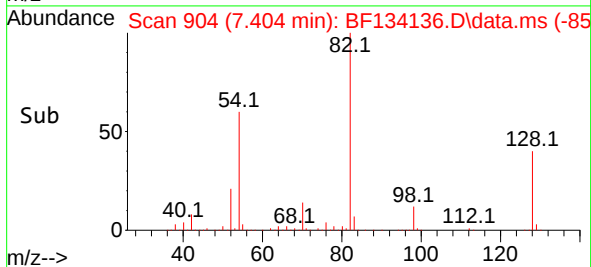
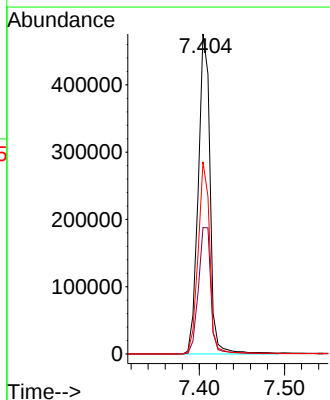
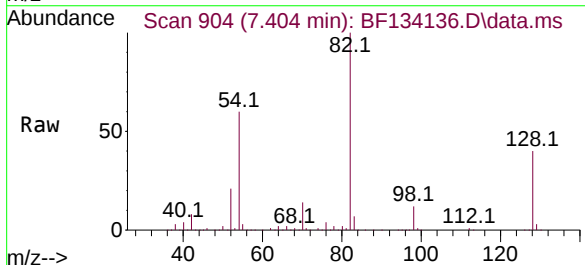
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	8.3	6.5	9.7
68	4.9	4.2	6.2



#23
Nitrobenzene-d5
Concen: 62.894 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion: 82 Resp: 460080

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.5	48.7
54	60.0	48.2	72.2

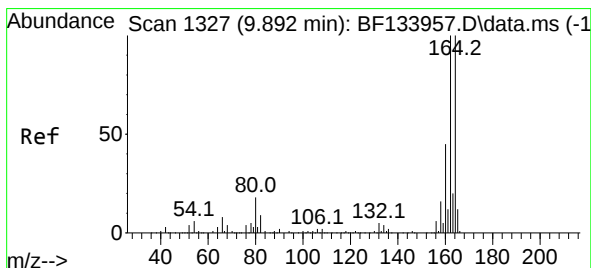
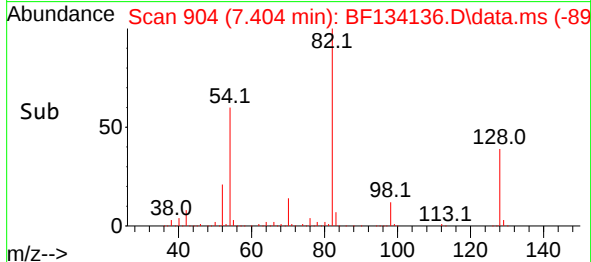
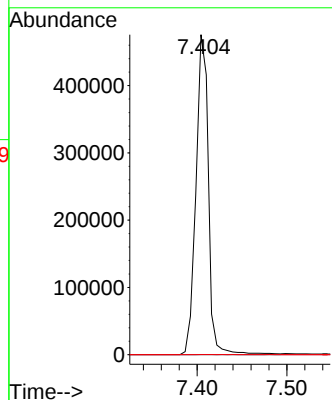
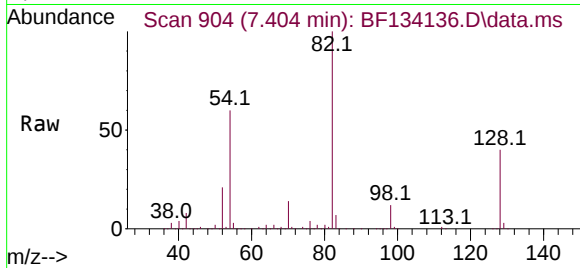




#25
Isophorone
Concen: 34.611 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

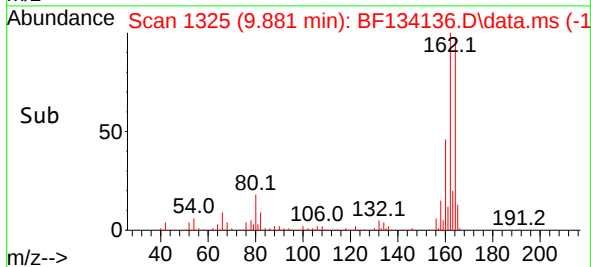
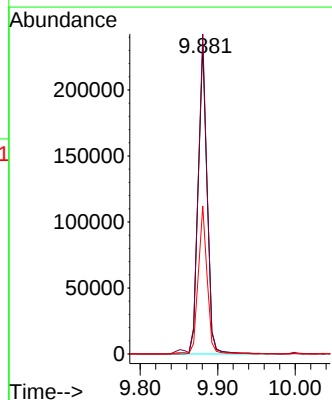
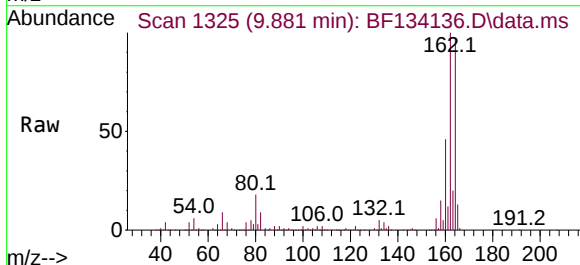
Instrument :
BNA_F
ClientSampleId :
SF-10

Tgt Ion: 82 Resp: 460142
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:164 Resp: 187592
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 47.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 82.102 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

Instrument :

BNA_F

ClientSampleId :

SF-10

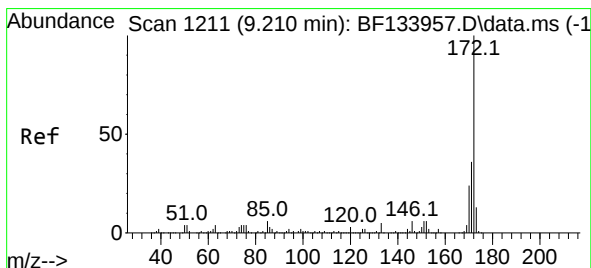
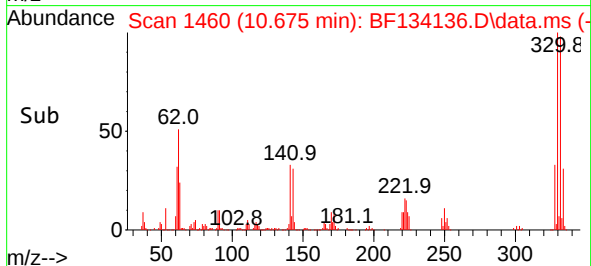
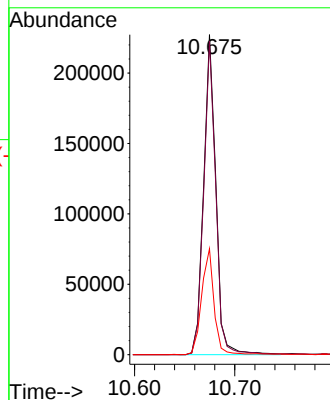
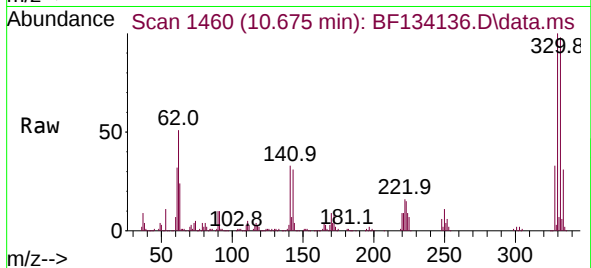
Tgt Ion:330 Resp: 193107

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 34.1 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 66.435 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

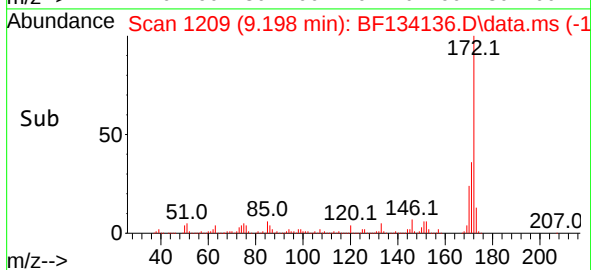
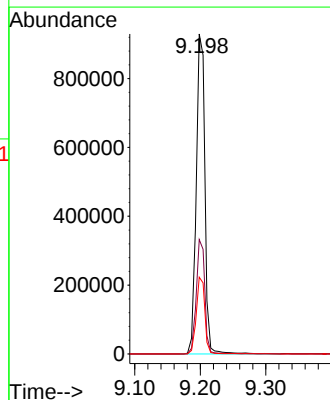
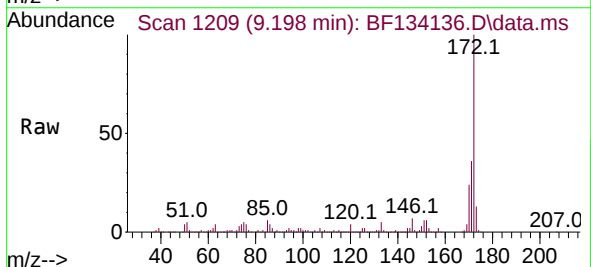
Tgt Ion:172 Resp: 857193

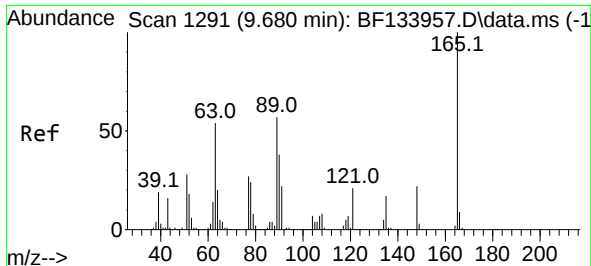
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.0 19.4 29.0

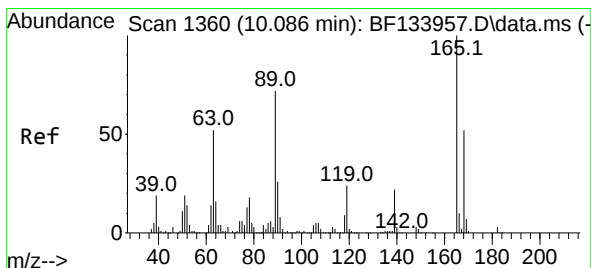
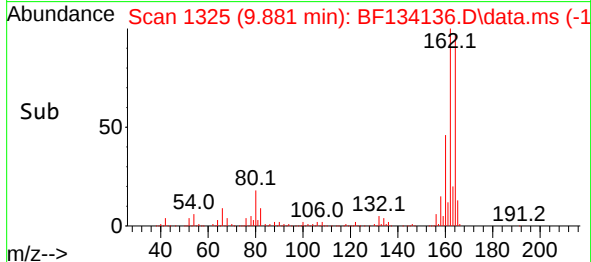
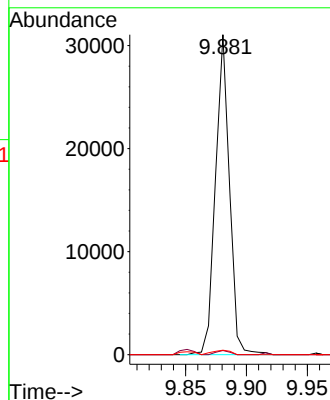
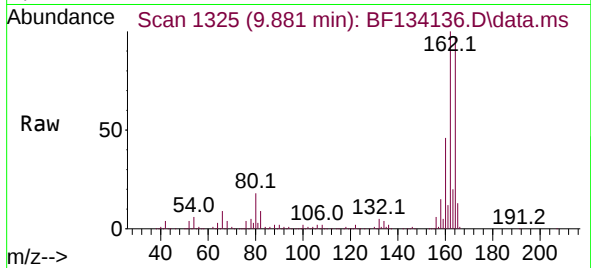




#51
2,6-Dinitrotoluene
Concen: 8.449 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

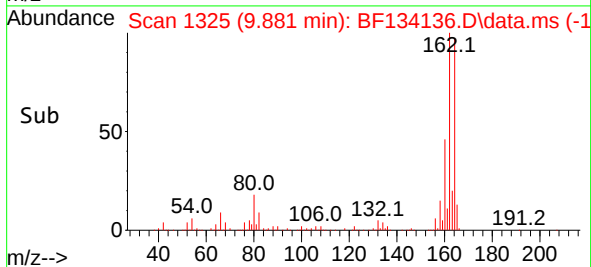
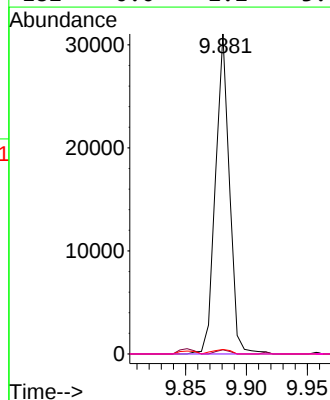
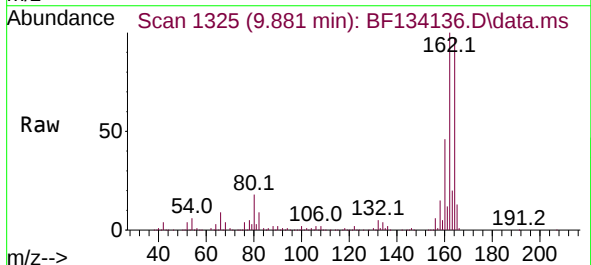
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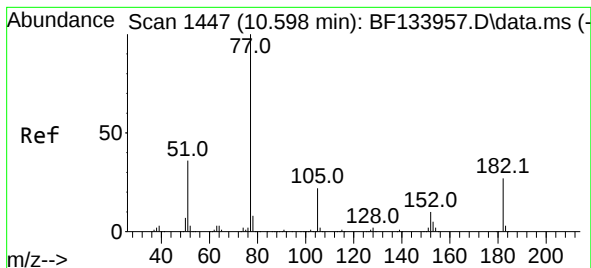
Tgt Ion:165 Resp: 24781
Ion Ratio Lower Upper
165 100
63 1.3 48.5 72.7#
89 1.4 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.398 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:165 Resp: 24781
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.046 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

Instrument :

BNA_F

ClientSampleId :

SF-10

Tgt Ion: 77 Resp: 40873

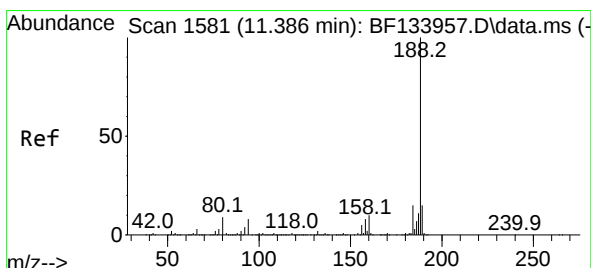
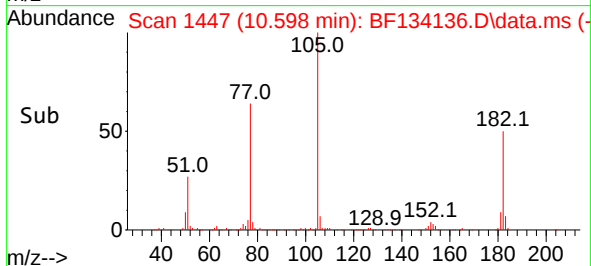
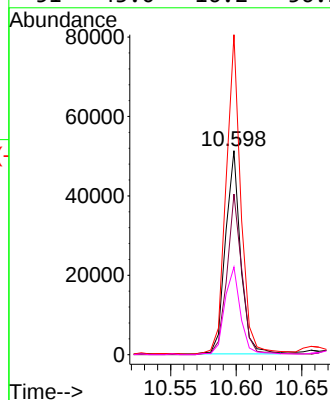
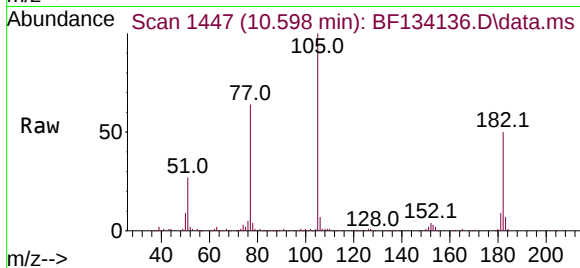
Ion Ratio Lower Upper

77 100

182 78.7 6.8 46.8#

105 156.9 2.3 42.3#

51 43.0 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

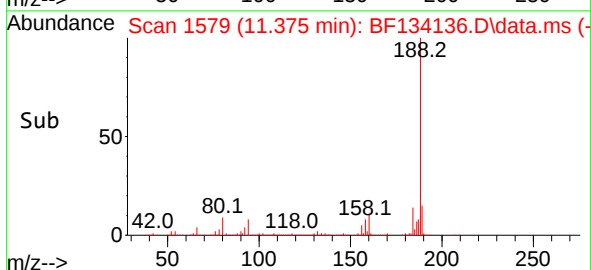
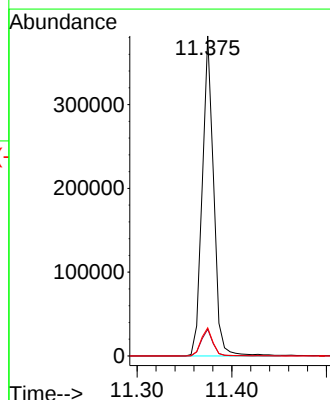
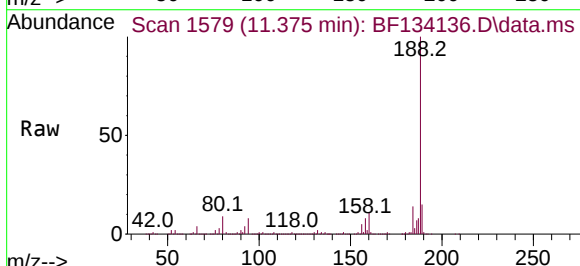
Tgt Ion:188 Resp: 321524

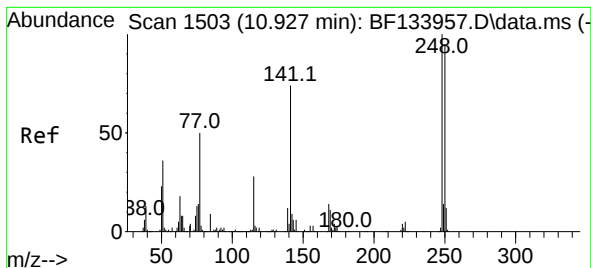
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 8.8 7.3 10.9

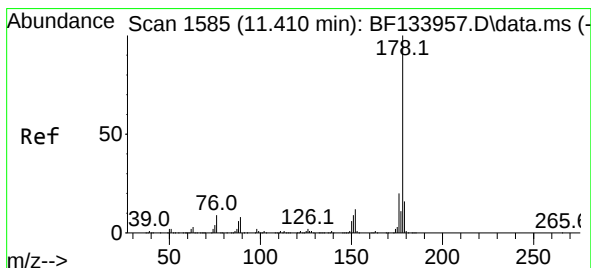
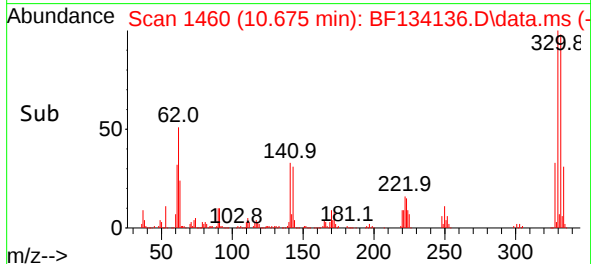
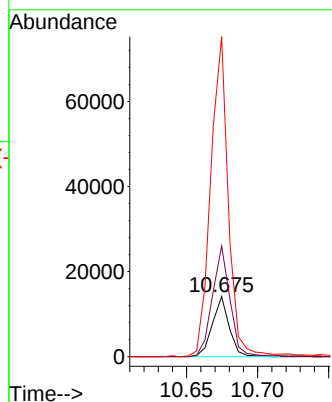
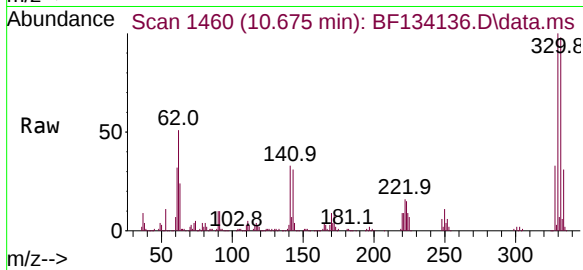




#67
4-Bromophenyl-phenylether
Concen: 3.423 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

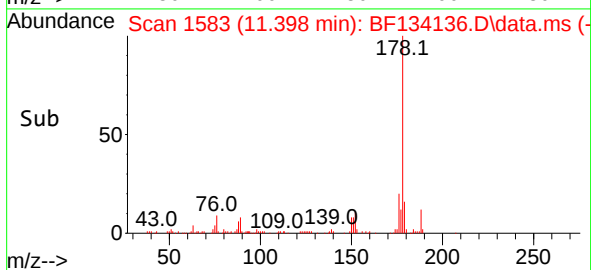
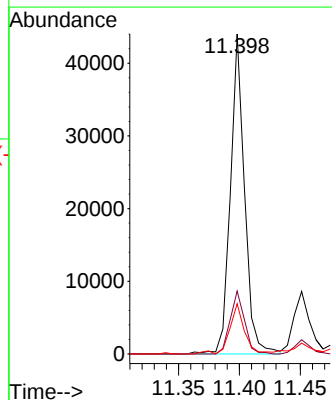
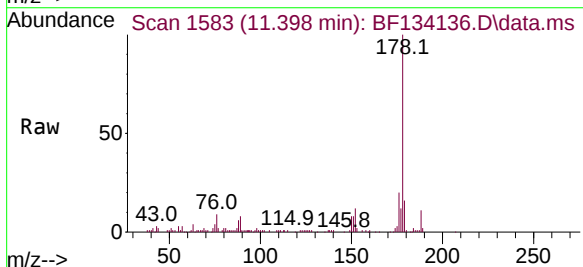
Instrument :
BNA_F
ClientSampleId :
SF-10

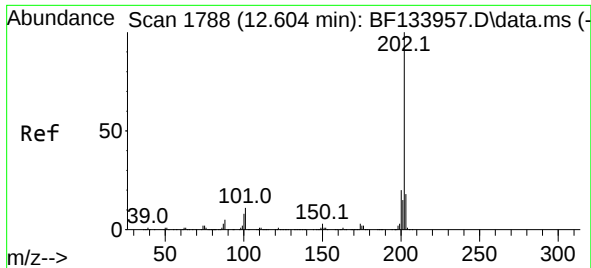
Tgt Ion:248 Resp: 11697
Ion Ratio Lower Upper
248 100
250 183.9 76.2 114.4#
141 531.3 59.0 88.4#



#71
Phenanthrene
Concen: 2.208 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:178 Resp: 35733
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.7 12.4 18.6

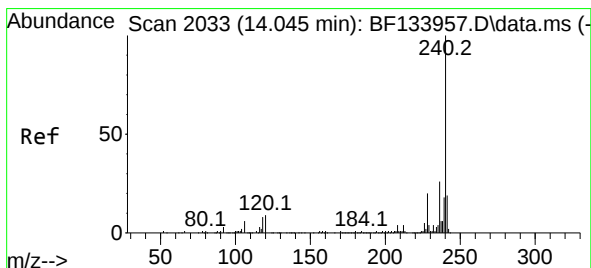
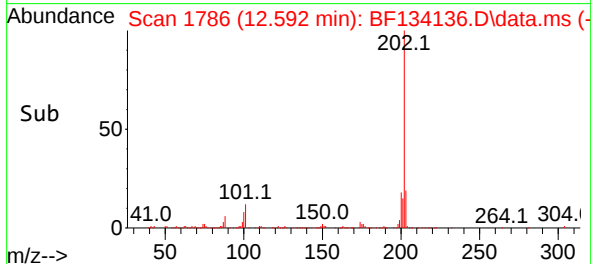
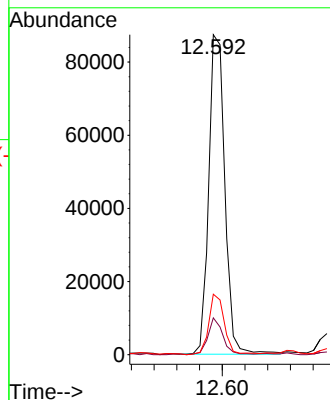
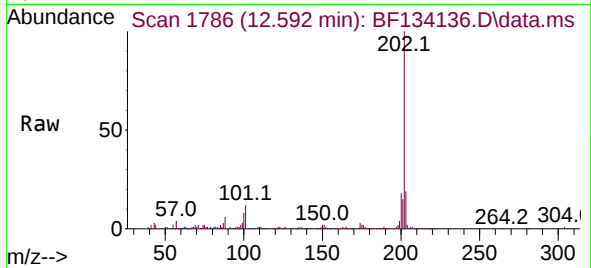




#75
Fluoranthene
Concen: 4.921 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.018 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

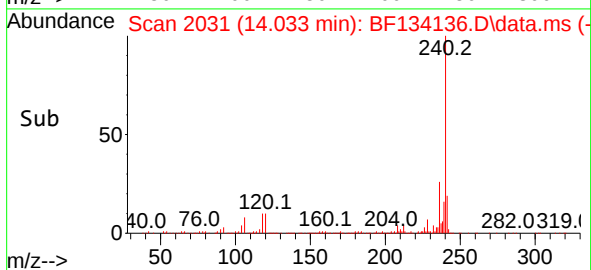
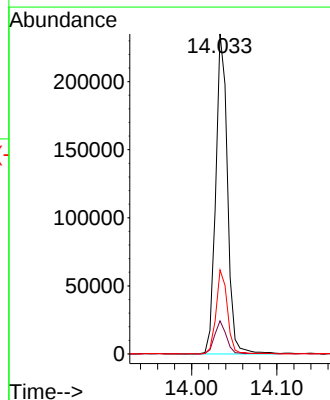
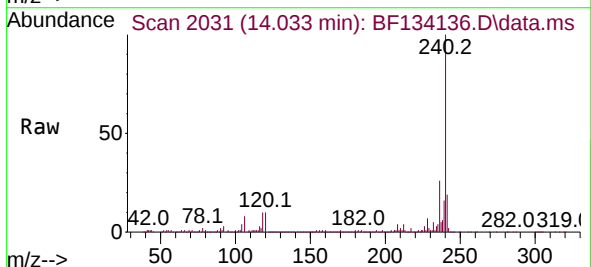
Instrument :
BNA_F
ClientSampleId :
SF-10

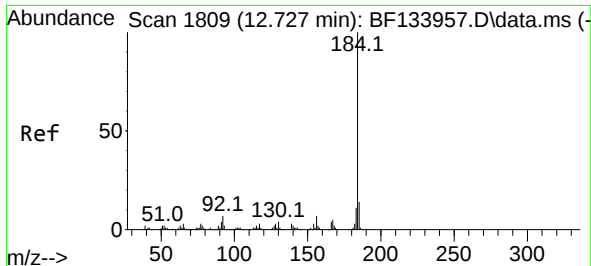
Tgt Ion:202 Resp: 86114
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.0
203 18.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:240 Resp: 225410
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.0
236 26.3 21.0 31.6

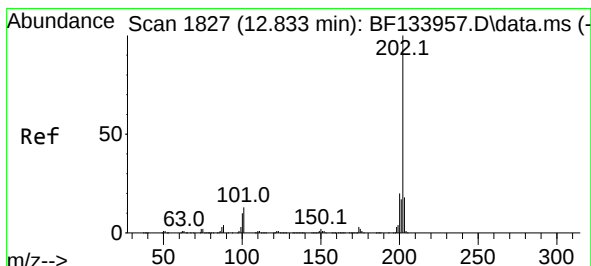
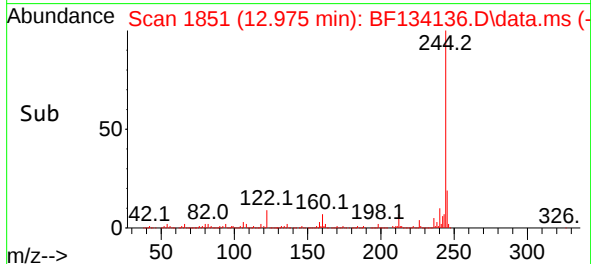
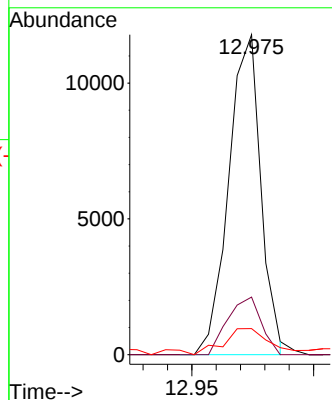
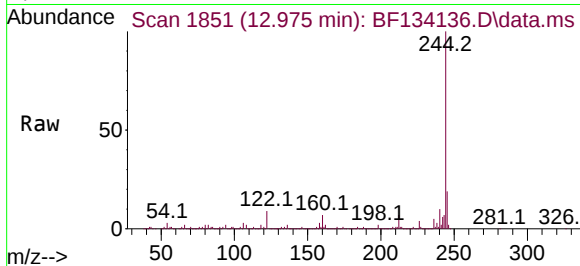




#77
Benzidine
Concen: 2.010 ng
RT: 12.975 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

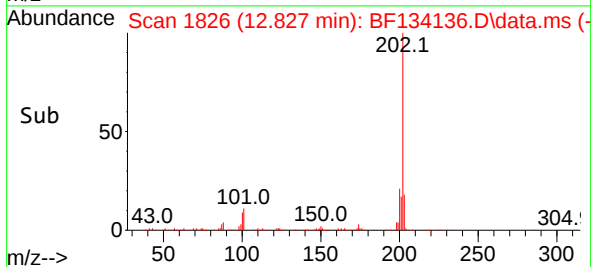
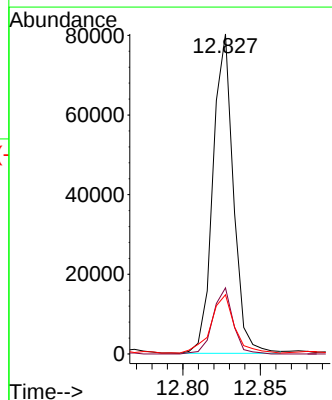
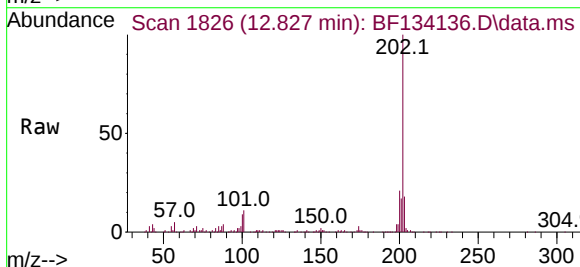
Instrument :
BNA_F
ClientSampleId :
SF-10

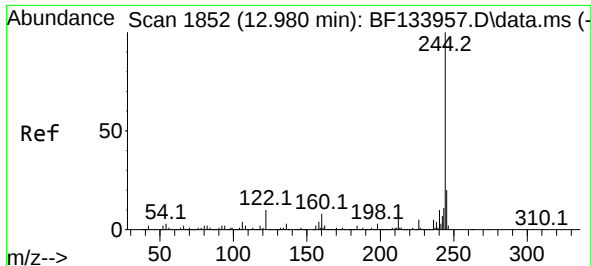
Tgt Ion:184 Resp: 10782
Ion Ratio Lower Upper
184 100
185 18.0 11.6 17.4#
183 8.2 8.8 13.2#



#78
Pyrene
Concen: 3.505 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:202 Resp: 73521
Ion Ratio Lower Upper
202 100
200 20.7 16.1 24.1
203 18.5 14.3 21.5

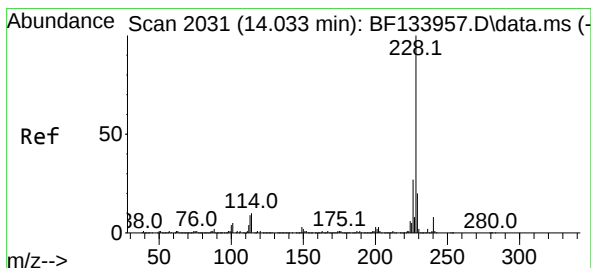
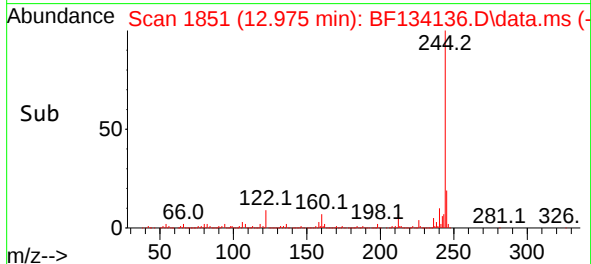
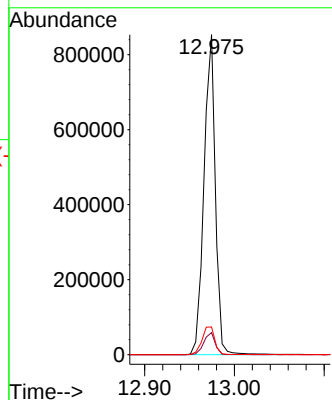
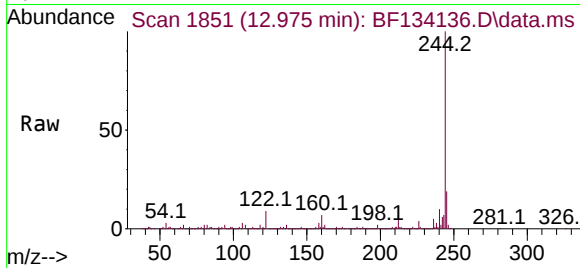




#79
 Terphenyl-d14
 Concen: 53.554 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134136.D
 Acq: 07 Jul 2023 14:05

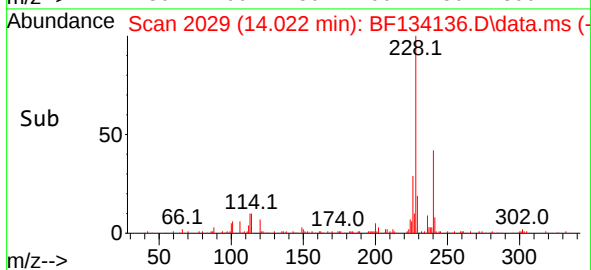
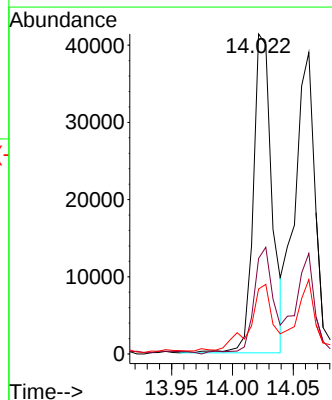
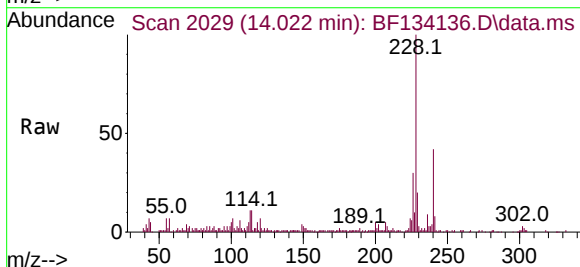
Instrument :
 BNA_F
 ClientSampleId :
 SF-10

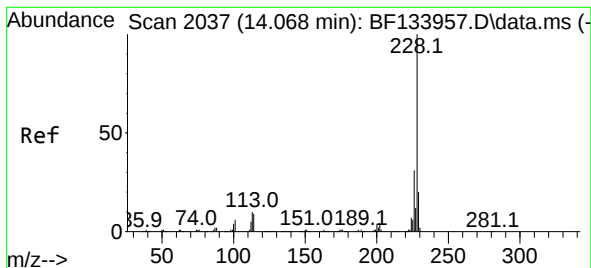
Tgt Ion:244 Resp: 750059
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.7 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.821 ng
 RT: 14.022 min Scan# 2029
 Delta R.T. -0.018 min
 Lab File: BF134136.D
 Acq: 07 Jul 2023 14:05

Tgt Ion:228 Resp: 44101
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.0 33.0
 229 20.3 16.3 24.5





#83

Chrysene

Concen: 2.913 ng

RT: 14.022 min Scan# 2037

Delta R.T. -0.053 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

Instrument :

BNA_F

ClientSampleId :

SF-10

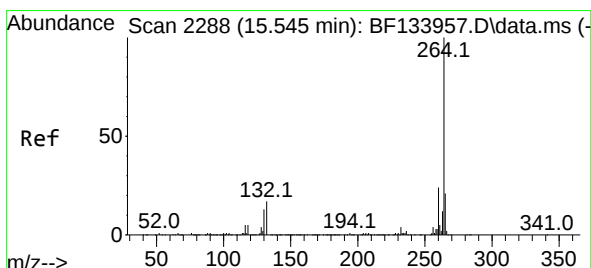
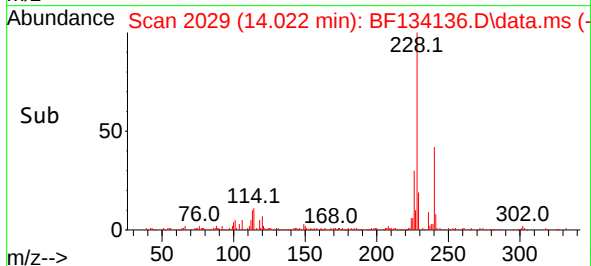
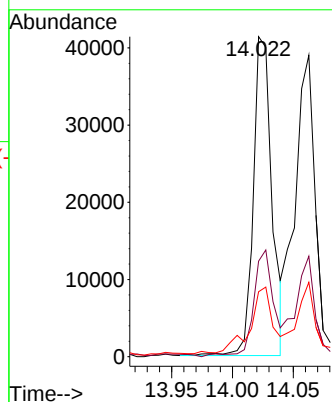
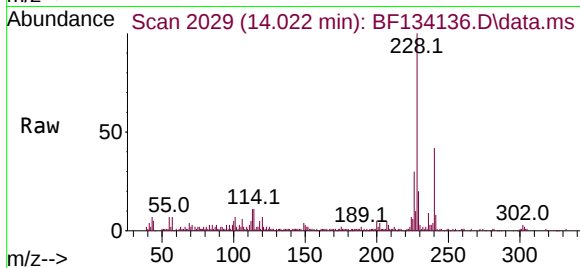
Tgt Ion:228 Resp: 44101

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 20.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.012 min

Lab File: BF134136.D

Acq: 07 Jul 2023 14:05

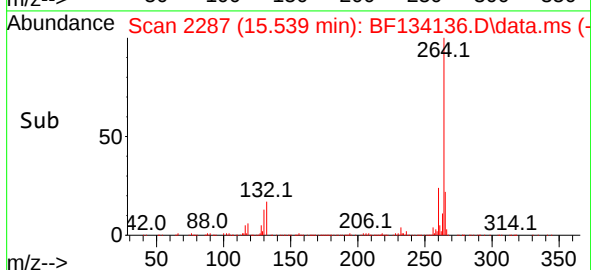
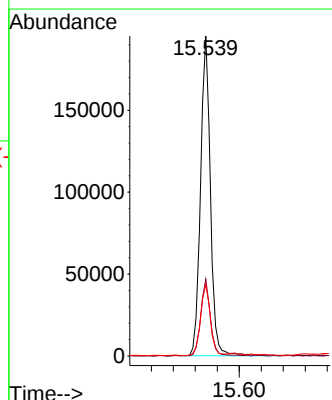
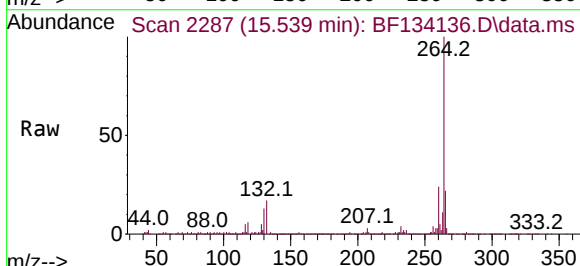
Tgt Ion:264 Resp: 244252

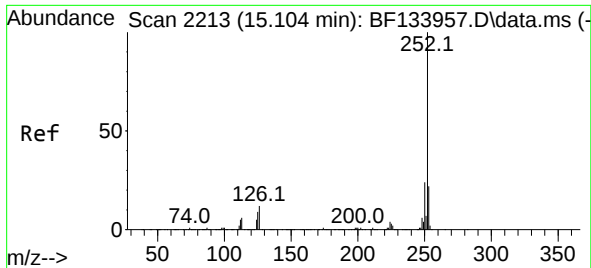
Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.3 16.6 25.0

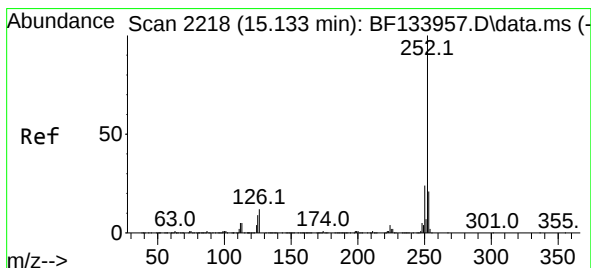
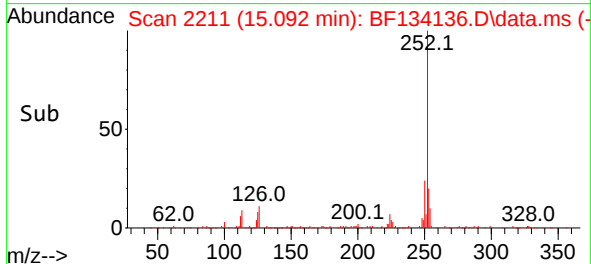
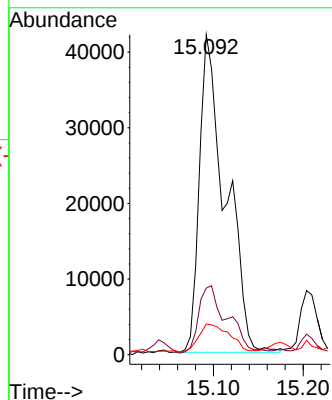
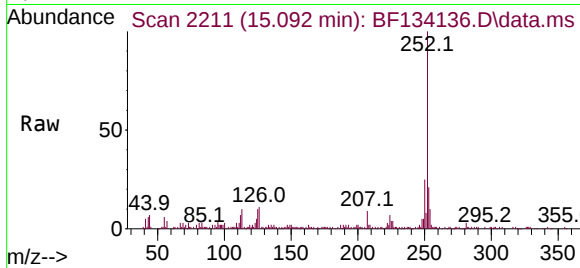




#88
Benzo(b)fluoranthene
Concen: 5.901 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

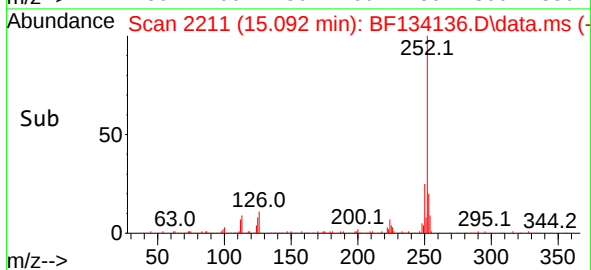
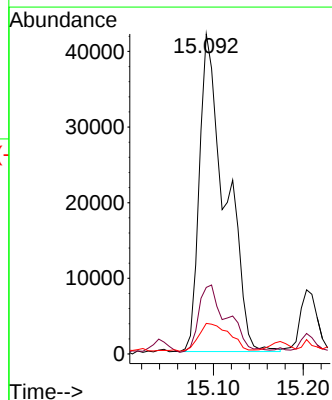
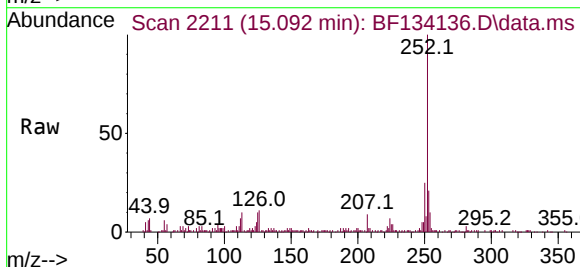
Instrument :
BNA_F
ClientSampleId :
SF-10

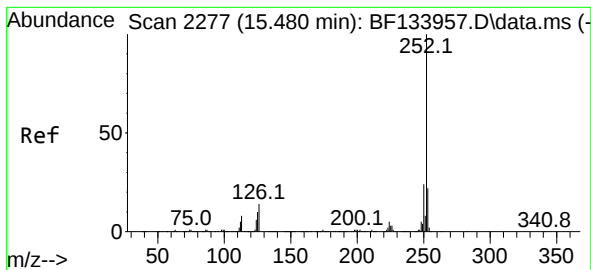
Tgt Ion:252 Resp: 84758
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 9.6 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 5.796 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.047 min
Lab File: BF134136.D
Acq: 07 Jul 2023 14:05

Tgt Ion:252 Resp: 84758
Ion Ratio Lower Upper
252 100
253 20.8 16.9 25.3
125 9.6 7.4 11.2





#90
 Benzo(a)pyrene
 Concen: 2.538 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF134136.D
 Acq: 07 Jul 2023 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SF-10

Tgt Ion:252 Resp: 35243
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.4 26.0
 125 11.6 8.4 12.6

