

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143230.D
 Acq On : 24 Jul 2025 13:32
 Operator : RC/JU
 Sample : Q2481-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC0627-SFBL

Quant Time: Jul 24 13:59:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

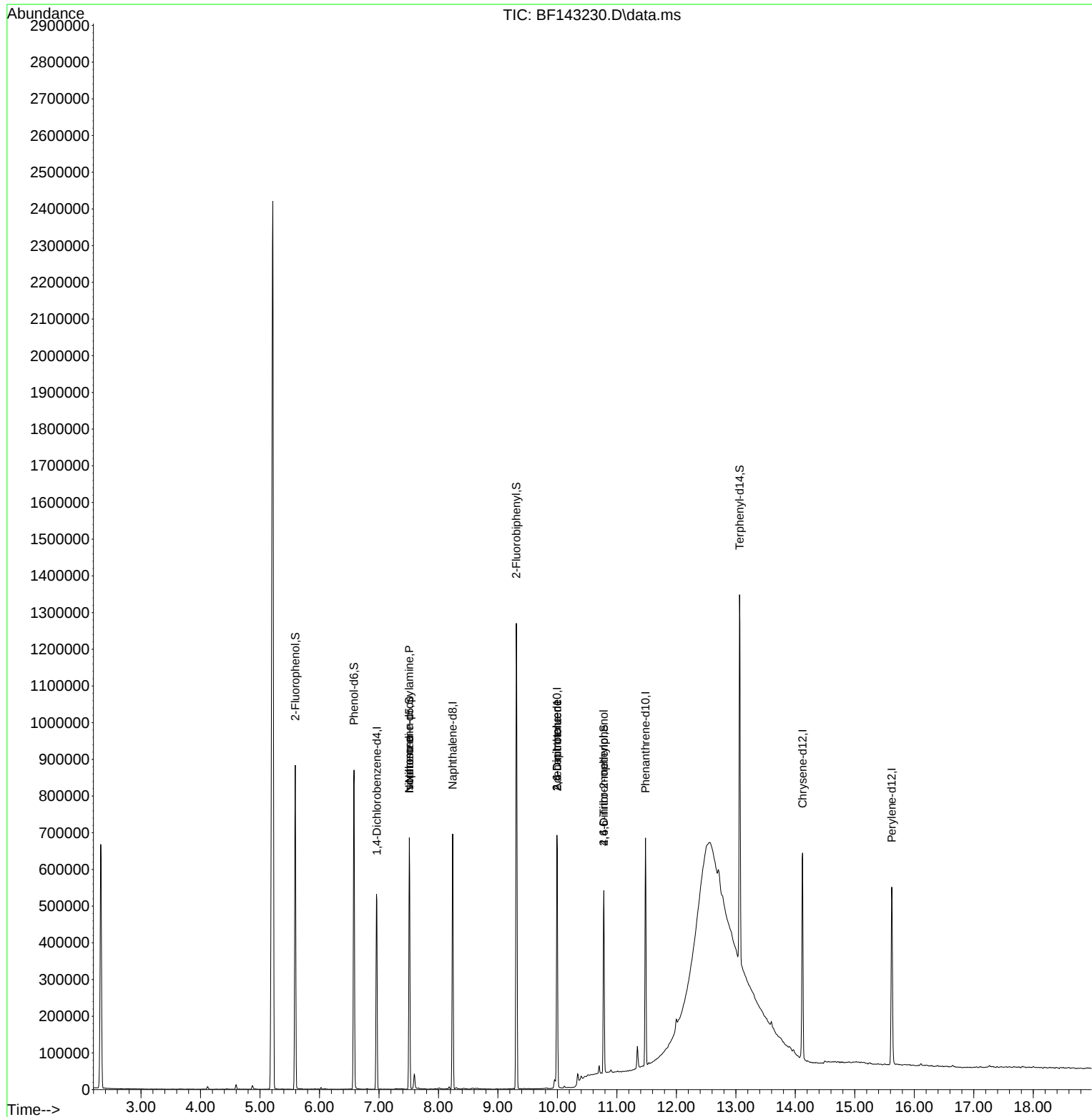
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	111301	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	417726	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	204004	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	306414	20.000	ng	0.00
76) Chrysene-d12	14.121	240	273841	20.000	ng	0.00
86) Perylene-d12	15.621	264	286158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	301290	42.837	ng	0.00
7) Phenol-d6	6.581	99	381267	43.067	ng	0.00
23) Nitrobenzene-d5	7.510	82	282063	33.658	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	80367	38.134	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	549625	36.846	ng	-0.01
79) Terphenyl-d14	13.063	244	489287	26.589	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.510	70	38157	6.718	ng	# 79
25) Isophorone	7.510	82	279992	18.926	ng	# 66
51) 2,6-Dinitrotoluene	9.992	165	25206	9.318	ng	# 23
57) 2,4-Dinitrotoluene	9.992	165	25206	7.427	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.781	198	55	5.443	ng	# 1

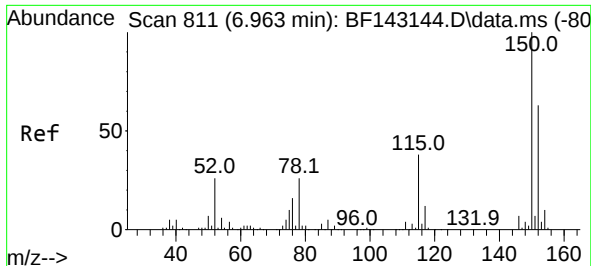
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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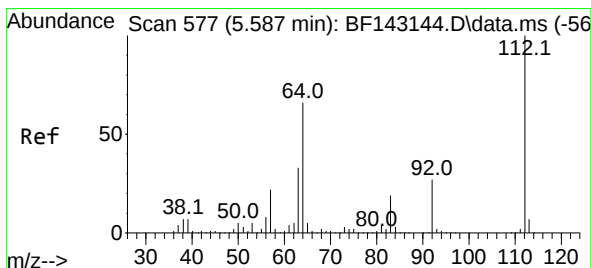
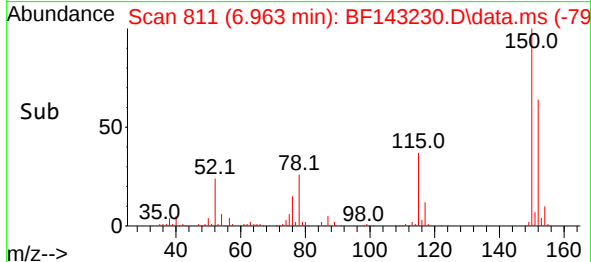
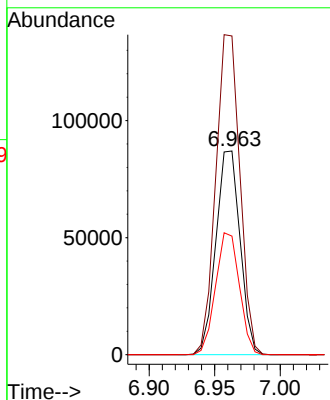
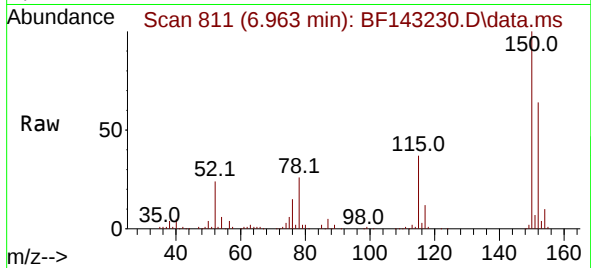




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

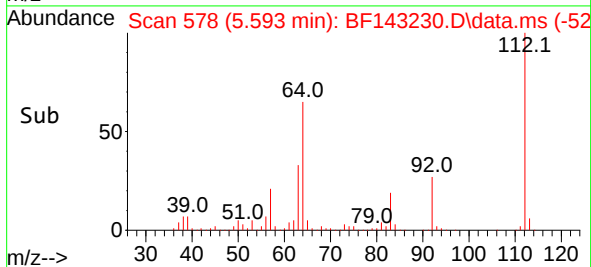
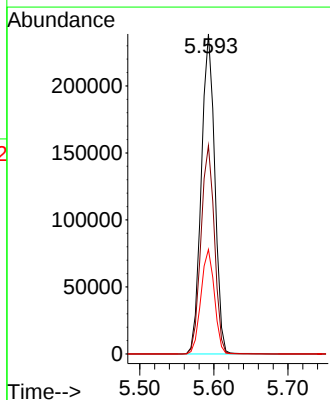
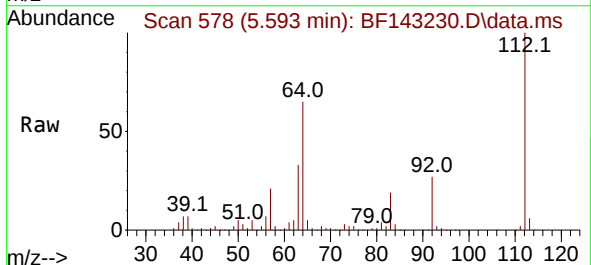
Instrument :
BNA_F
ClientSampleId :
CC0627-SFBL

Tgt Ion:152 Resp: 111301
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 42.837 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Tgt Ion:112 Resp: 301290
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 32.6 26.6 40.0

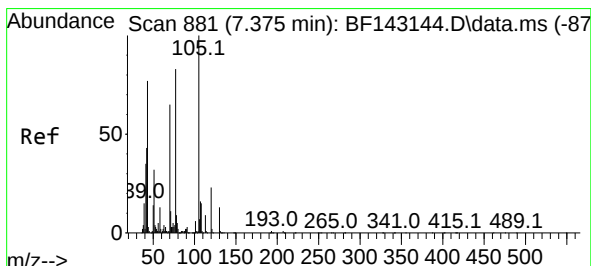
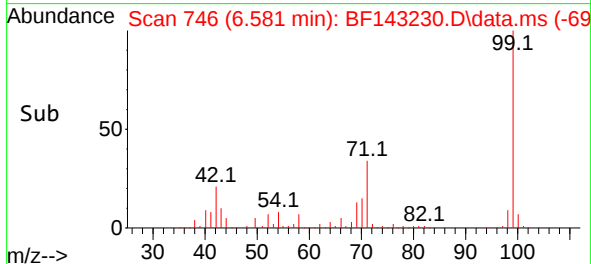
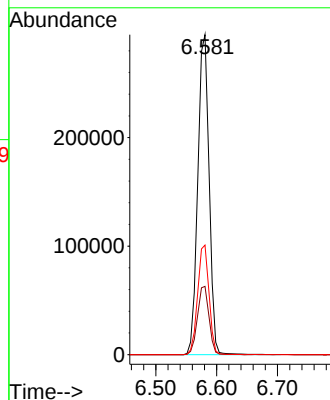
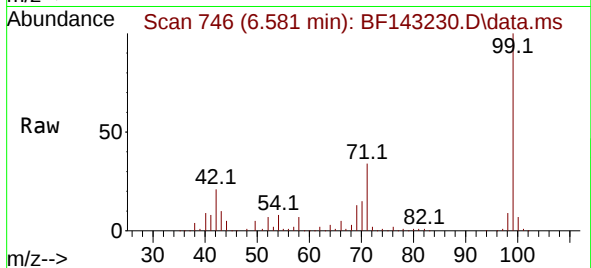




#7
Phenol-d6
Concen: 43.067 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

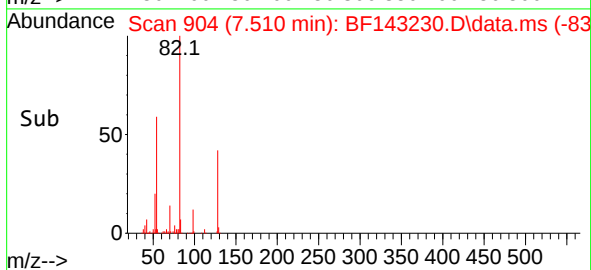
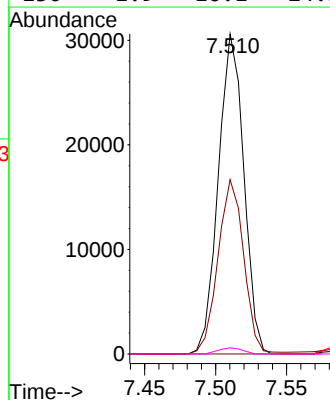
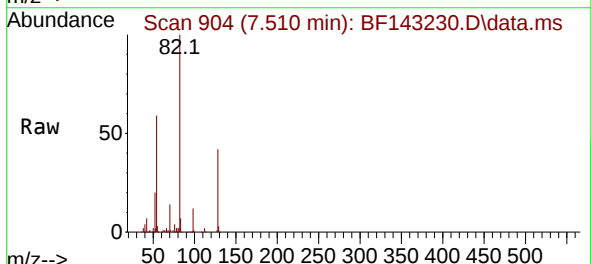
Instrument :
BNA_F
ClientSampleId :
CC0627-SFBL

Tgt Ion: 99 Resp: 381267
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 34.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 6.718 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Tgt Ion: 70 Resp: 38157
Ion Ratio Lower Upper
70 100
42 54.5 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#



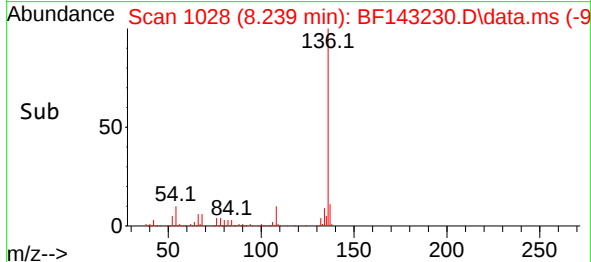
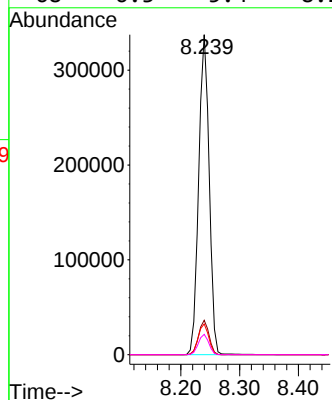
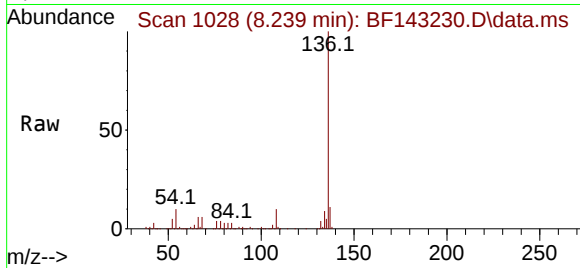


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Instrument :
BNA_F
ClientSampleId :
CC0627-SFBL

Tgt Ion:136 Resp: 417726

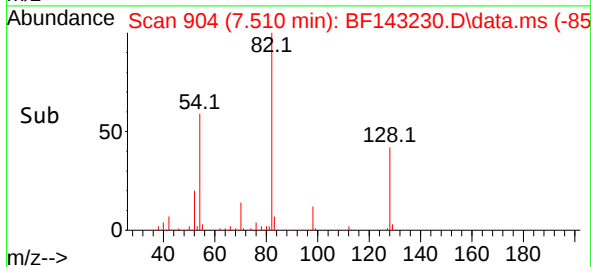
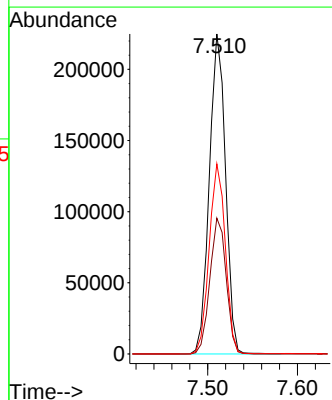
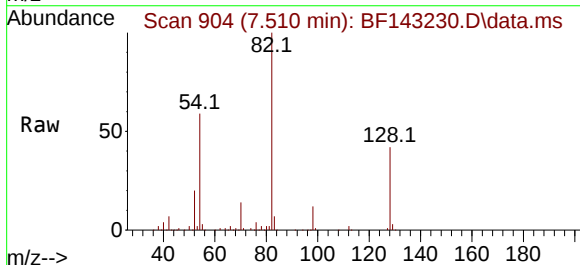
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.6	8.2	12.2
68	6.3	5.4	8.2

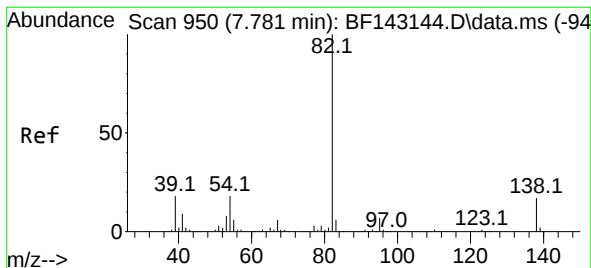


#23
Nitrobenzene-d5
Concen: 33.658 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Tgt Ion: 82 Resp: 282063

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	59.4	47.1	70.7





#25

Isophorone

Concen: 18.926 ng

RT: 7.510 min Scan# 90

Delta R.T. -0.270 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

Instrument :

BNA_F

ClientSampleId :

CC0627-SFBL

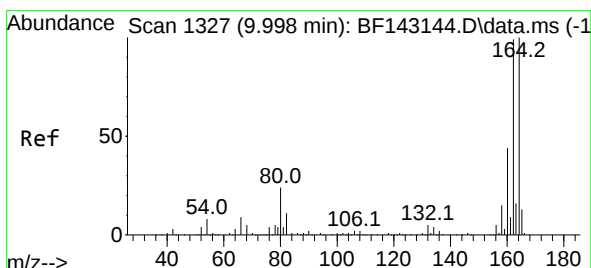
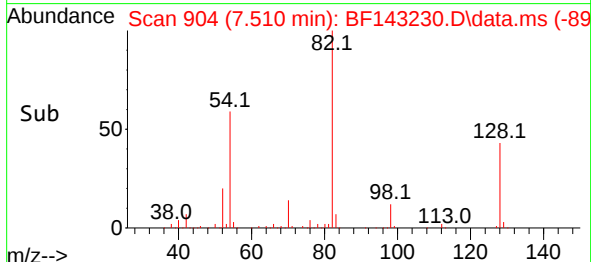
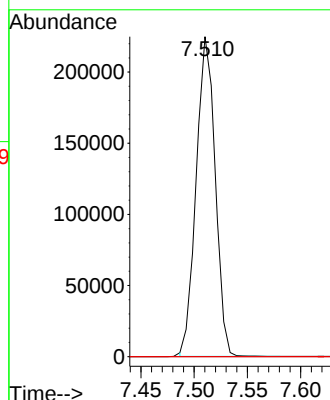
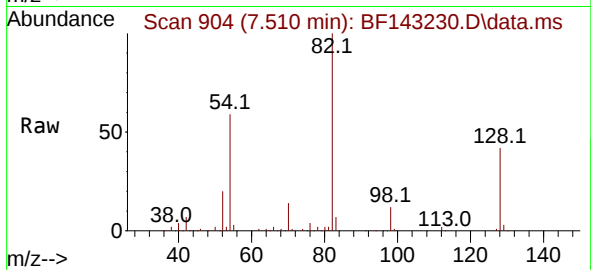
Tgt Ion: 82 Resp: 279992

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

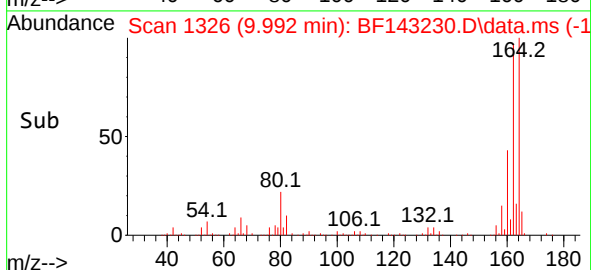
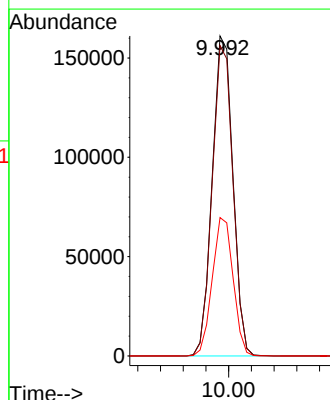
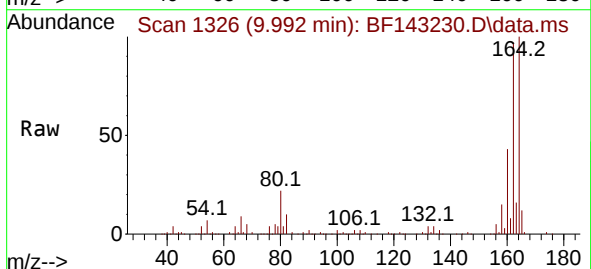
Tgt Ion:164 Resp: 204004

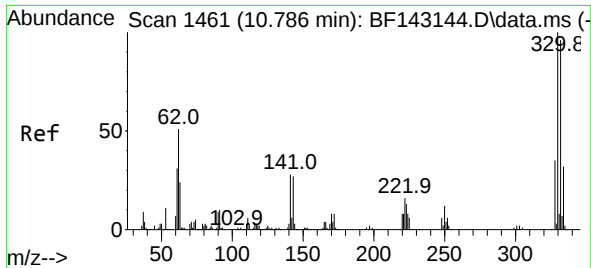
Ion Ratio Lower Upper

164 100

162 97.0 79.0 118.6

160 43.2 35.1 52.7

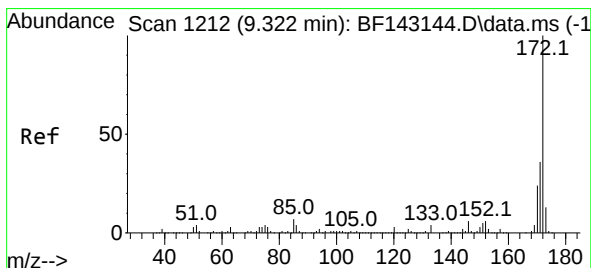
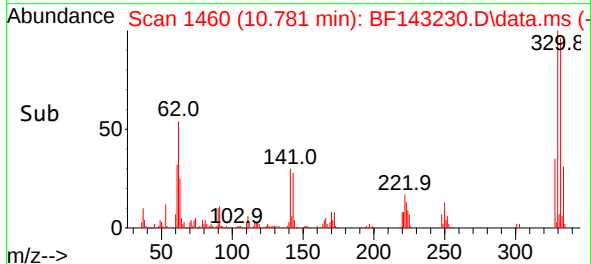
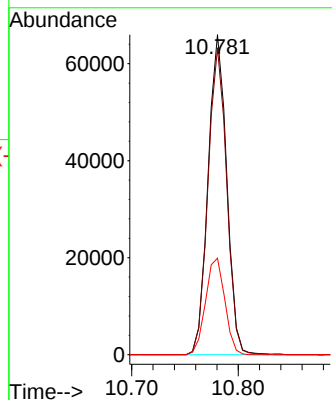
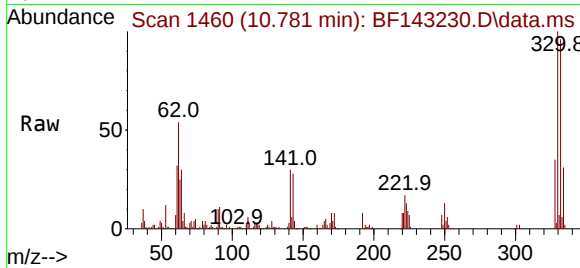




#42
2,4,6-Tribromophenol
Concen: 38.134 ng
RT: 10.781 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

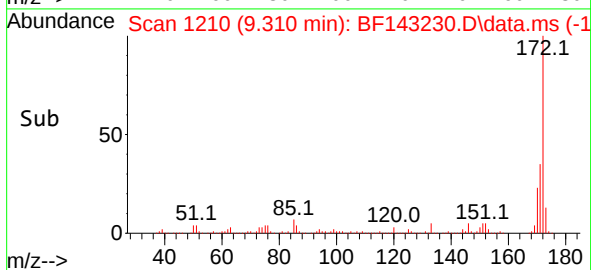
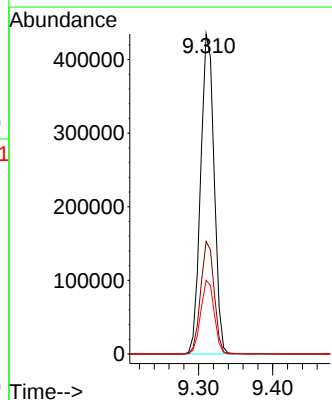
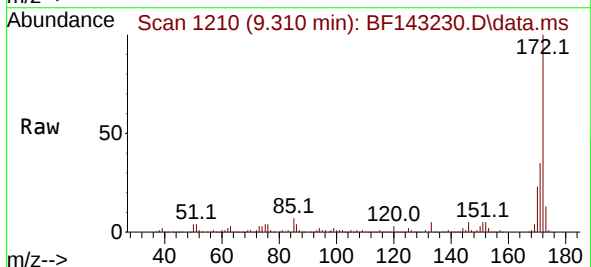
Instrument :
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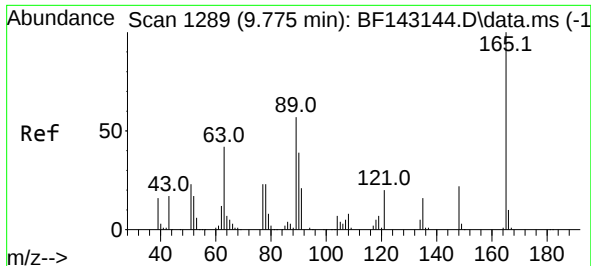
Tgt Ion: 330 Resp: 80367
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 31.1 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 36.846 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Tgt Ion: 172 Resp: 549625
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.318 ng

RT: 9.992 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

Instrument :

BNA_F

ClientSampleId :

CC0627-SFBL

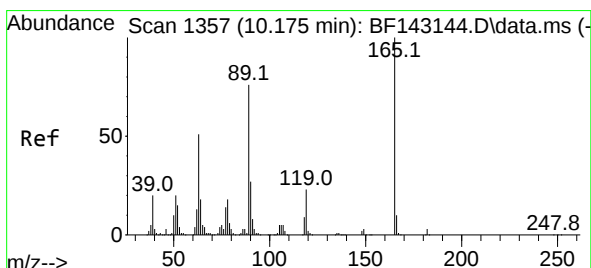
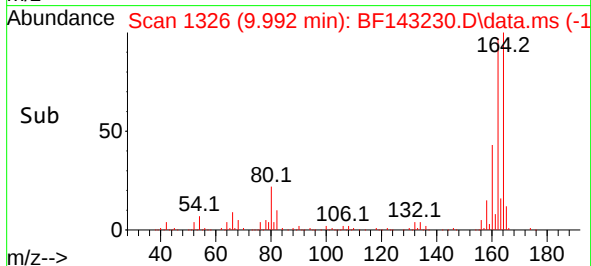
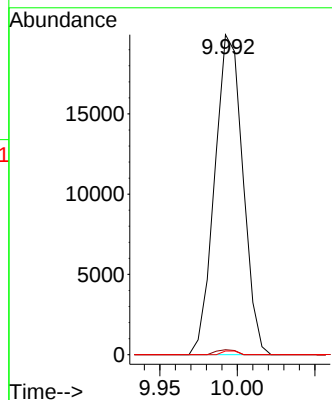
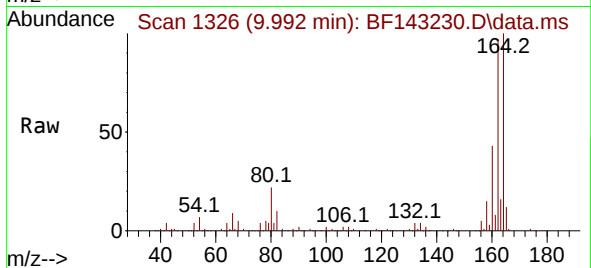
Tgt Ion:165 Resp: 25206

Ion Ratio Lower Upper

165 100

63 1.5 49.4 74.2#

89 1.1 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.427 ng

RT: 9.992 min Scan# 1326

Delta R.T. -0.182 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

Tgt Ion:165 Resp: 25206

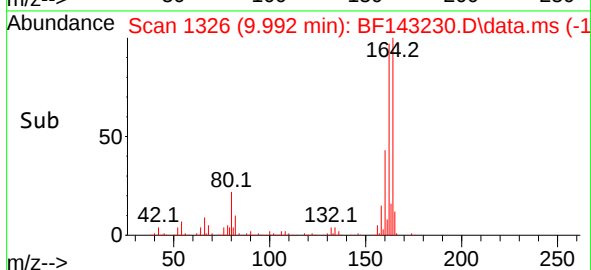
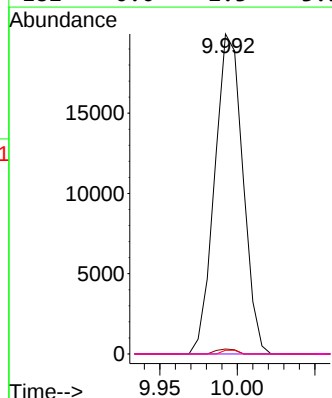
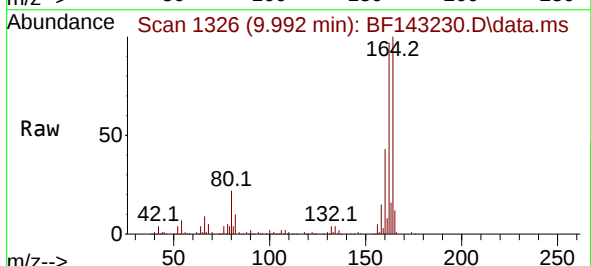
Ion Ratio Lower Upper

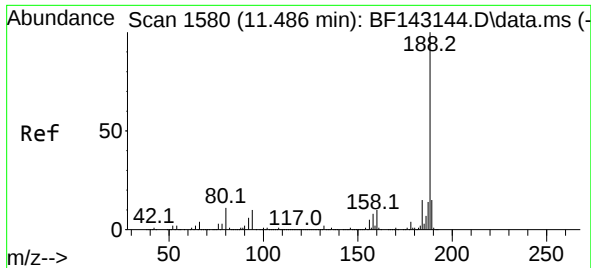
165 100

63 1.5 41.0 61.4#

89 1.1 61.1 91.7#

182 0.0 2.3 3.5#

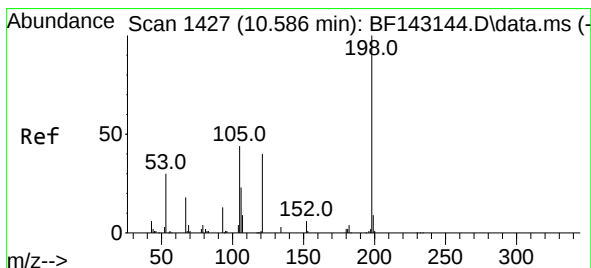
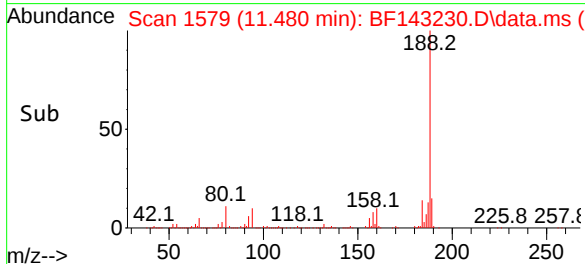
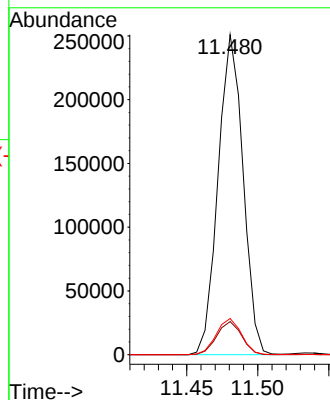
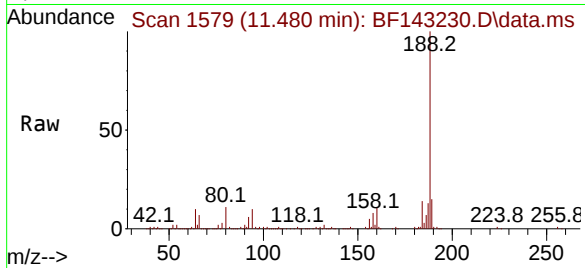




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

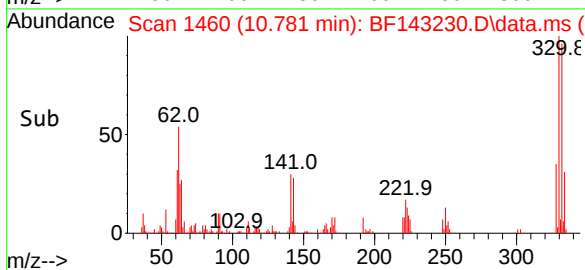
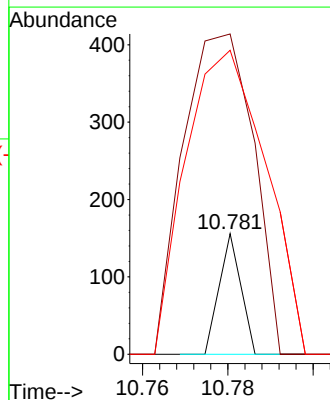
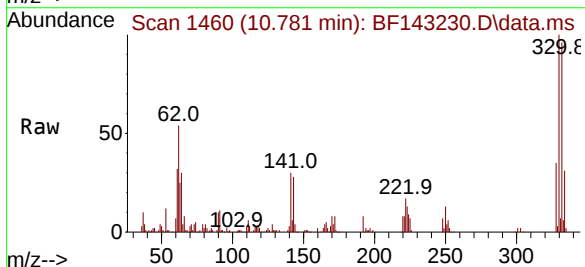
Instrument :
BNA_F
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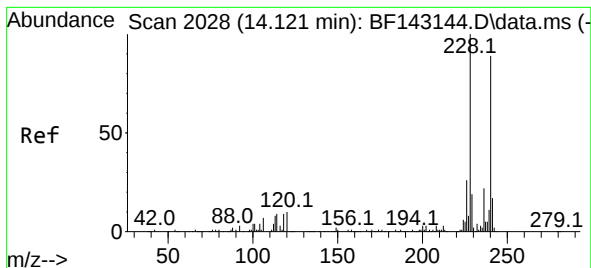
Tgt Ion:188 Resp: 306414
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.443 ng
RT: 10.781 min Scan# 1460
Delta R.T. 0.195 min
Lab File: BF143230.D
Acq: 24 Jul 2025 13:32

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 265.4 37.2 77.2#
105 251.9 24.8 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

Instrument :

BNA_F

ClientSampleId :

CC0627-SFBL

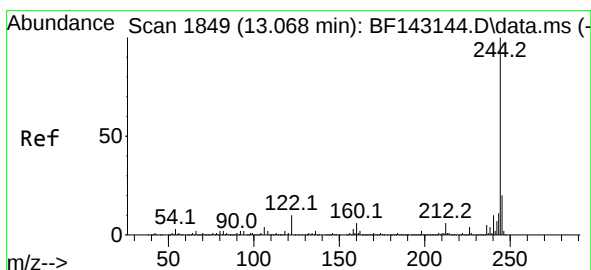
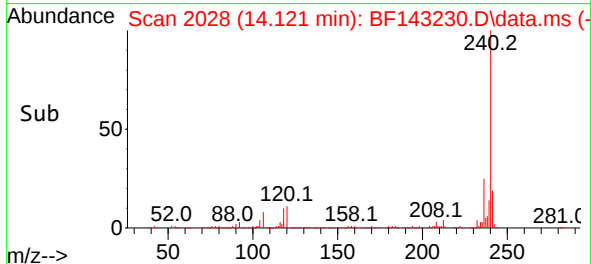
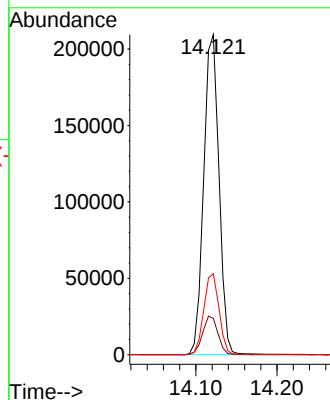
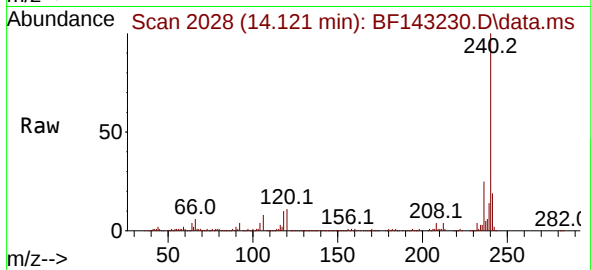
Tgt Ion:240 Resp: 273841

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.3 20.2 30.4



#79

Terphenyl-d14

Concen: 26.589 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143230.D

Acq: 24 Jul 2025 13:32

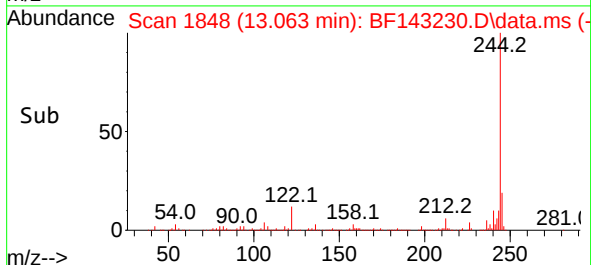
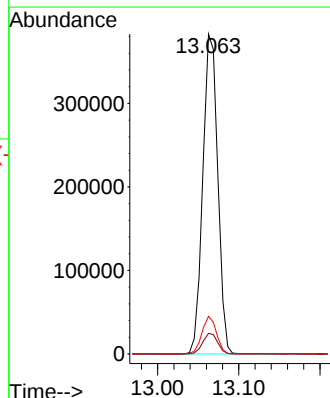
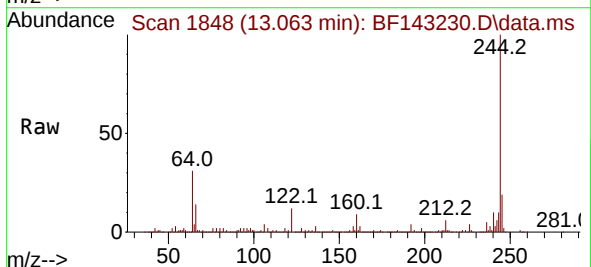
Tgt Ion:244 Resp: 489287

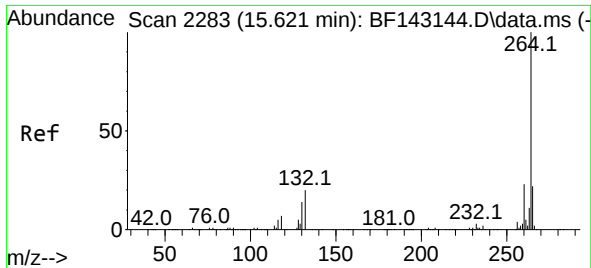
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

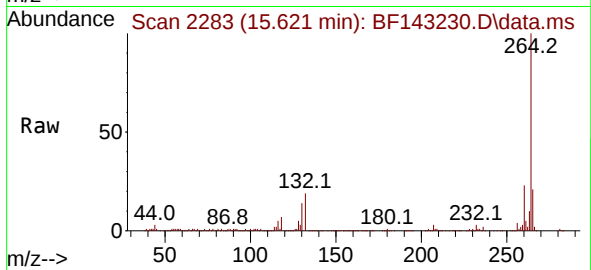
122 11.8 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143230.D
 Acq: 24 Jul 2025 13:32

Instrument :
 BNA_F
 ClientSampleId :
 CC0627-SFBL



Tgt Ion:264 Resp: 286158
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.5 17.4 26.2

