

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142084.D
 Acq On : 25 Mar 2025 18:09
 Operator : RC/JU
 Sample : Q1626-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-32-1

Quant Time: Mar 25 18:34:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

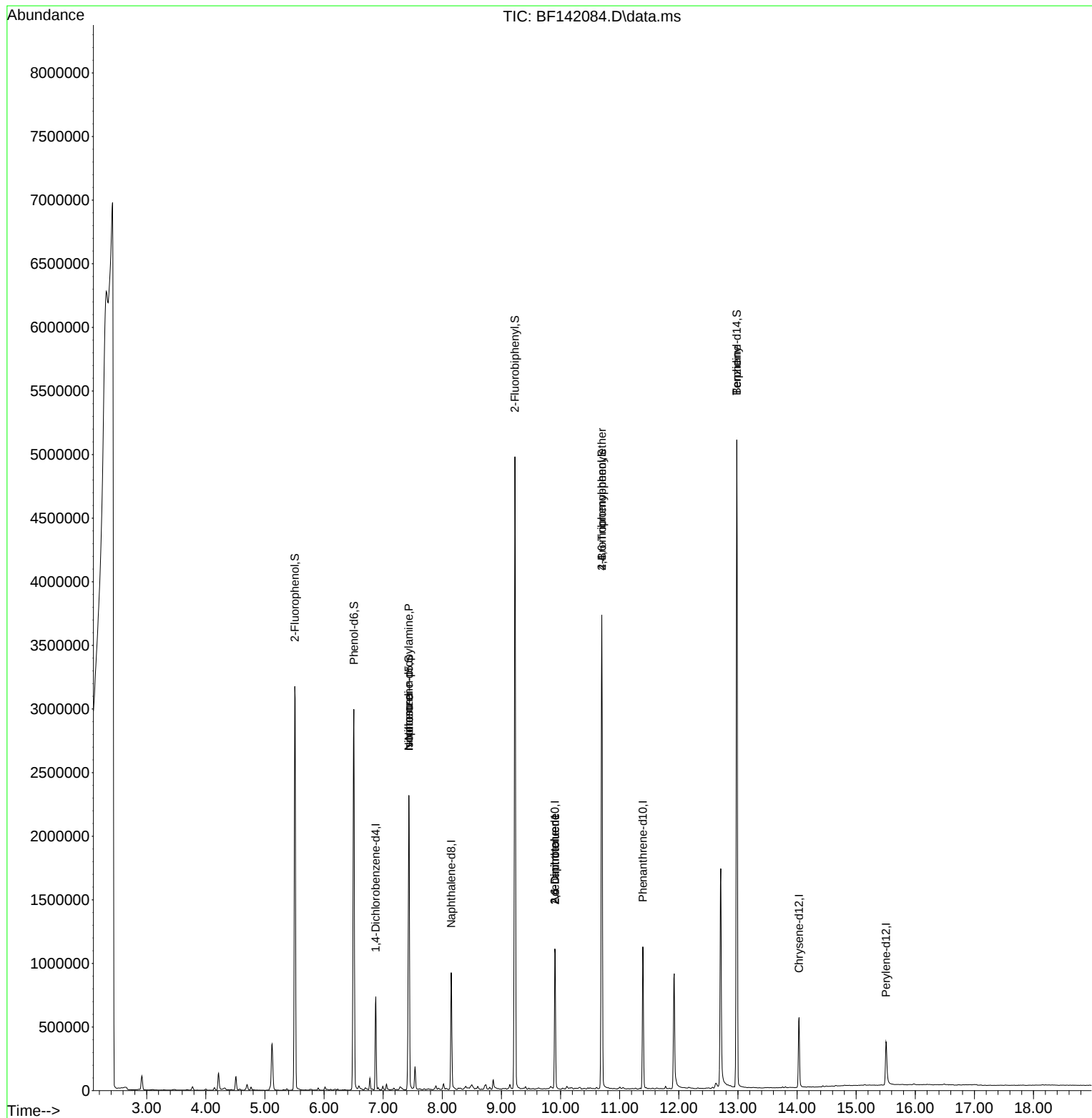
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	156336	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	609764	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	348183	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	583175	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	299418	20.000	ng	0.00
86) Perylene-d12	15.504	264	256921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1343017	143.373	ng	0.01
7) Phenol-d6	6.504	99	1613721	135.304	ng	0.00
23) Nitrobenzene-d5	7.434	82	1110437	102.484	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	760029	172.063	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2301439	100.523	ng	-0.01
79) Terphenyl-d14	12.980	244	2576873	127.240	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	157122	20.503	ng	# 77
25) Isophorone	7.434	82	1093657	57.101	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	45868	9.035	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	45869	6.918	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	46033	6.285	ng	# 1
77) Benzidine	12.980	184	34557	8.272	ng	# 92

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

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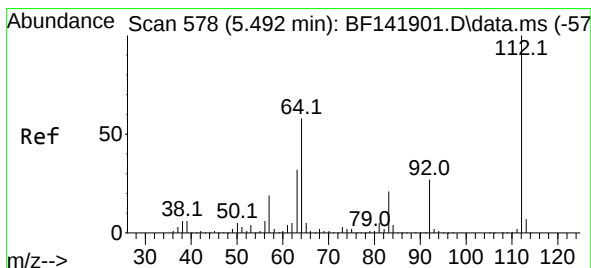
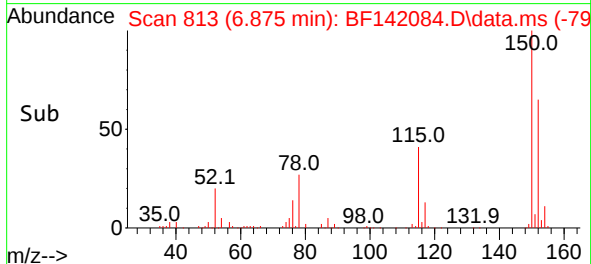
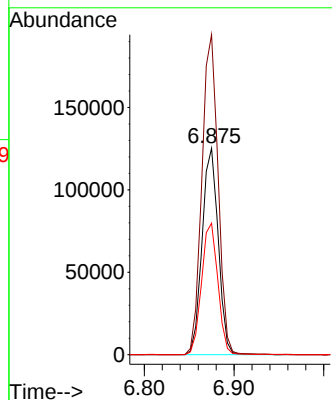
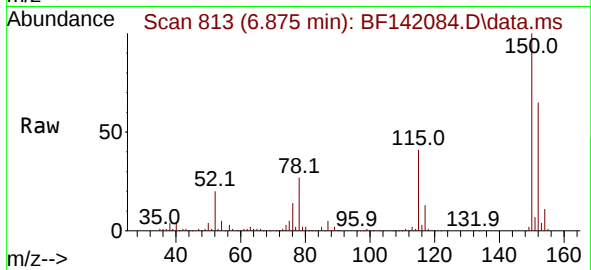




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

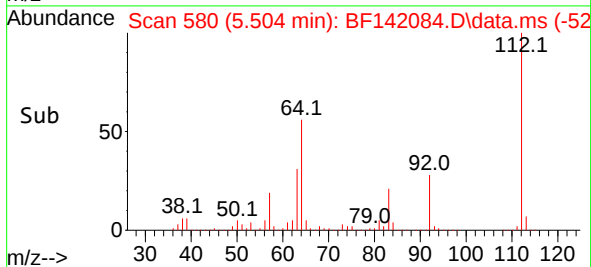
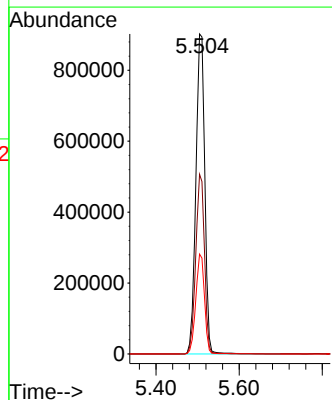
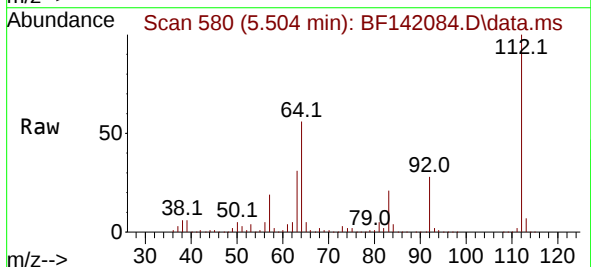
Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:152 Resp: 156336
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 63.7 51.9 77.9



#5
2-Fluorophenol
Concen: 143.373 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:112 Resp: 1343017
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 31.2 25.4 38.2

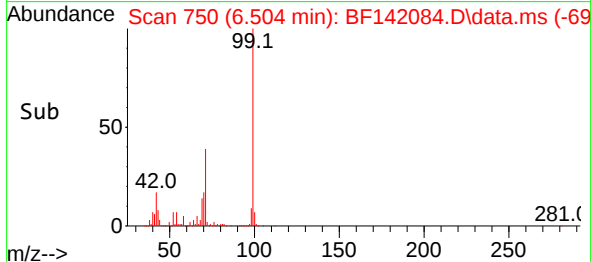
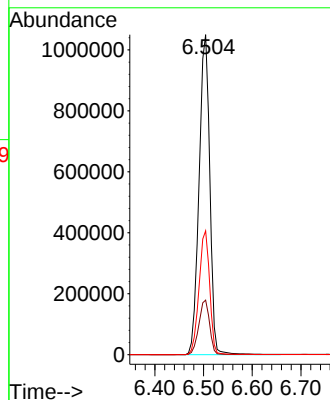
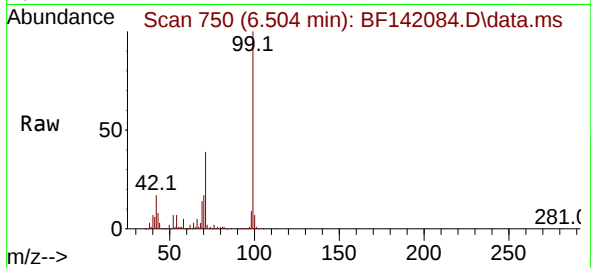




#7
Phenol-d6
Concen: 135.304 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

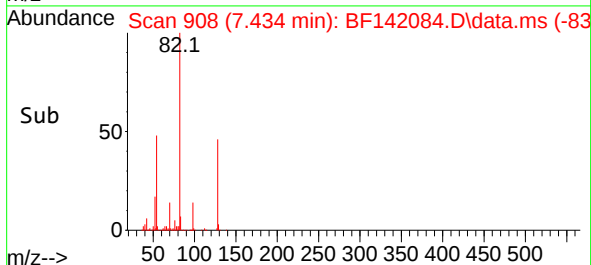
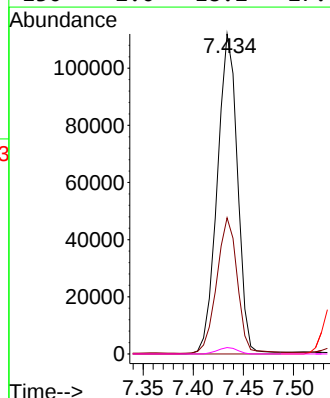
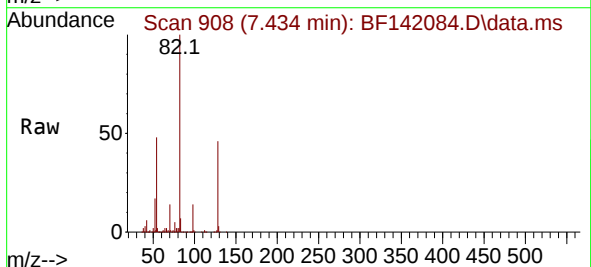
Instrument :
BNA_F
ClientSampleId :
CO-32-1

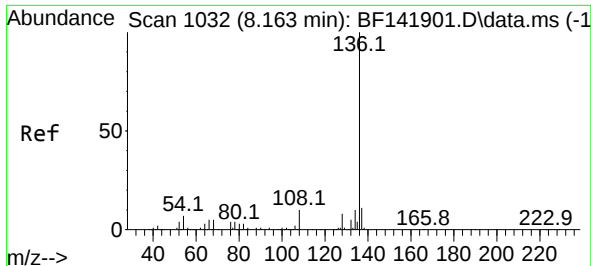
Tgt Ion: 99 Resp: 1613721
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 38.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.503 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion: 70 Resp: 157122
Ion Ratio Lower Upper
70 100
42 42.5 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



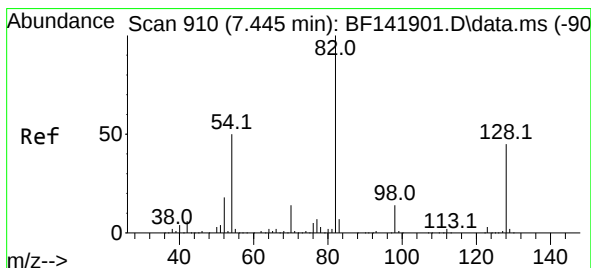
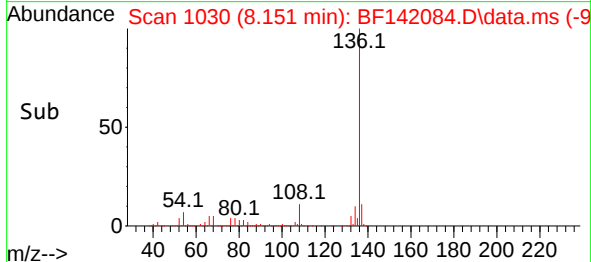
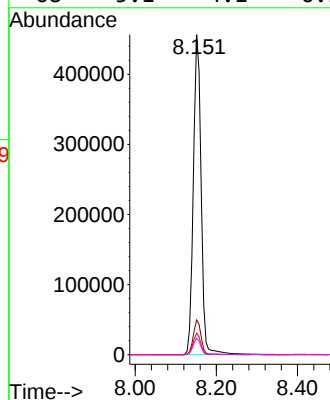
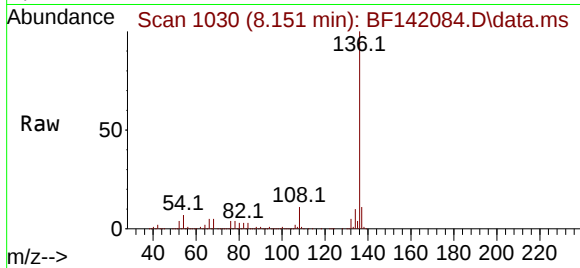


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:136 Resp: 609764

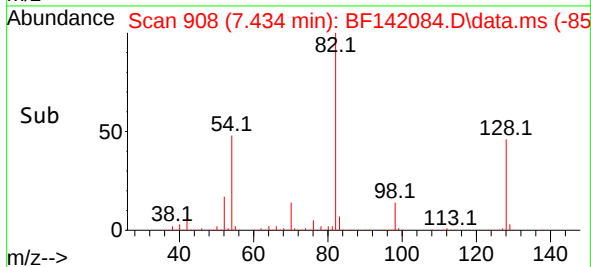
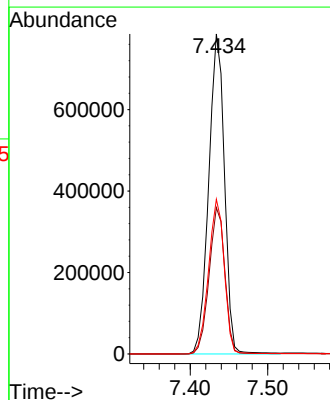
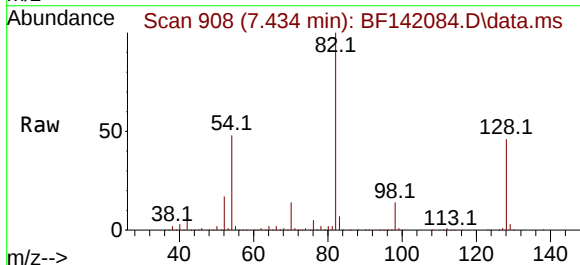
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.7	5.8	8.8
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 102.484 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion: 82 Resp: 1110437

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.0	54.0
54	48.4	39.6	59.4

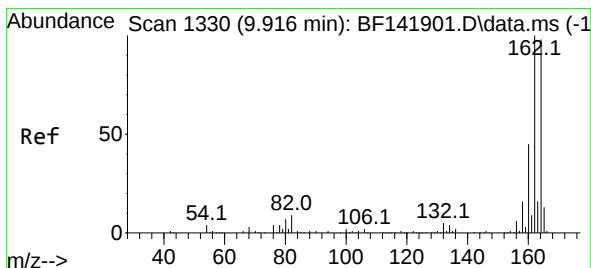
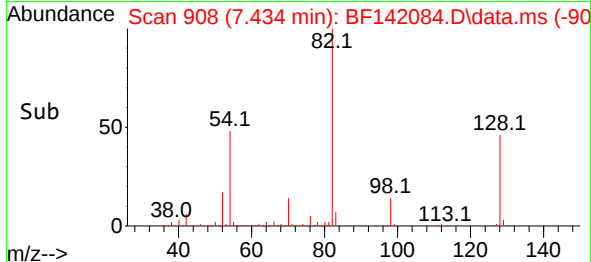
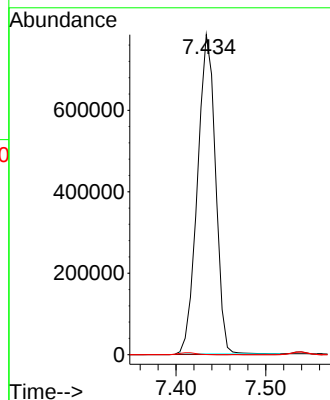
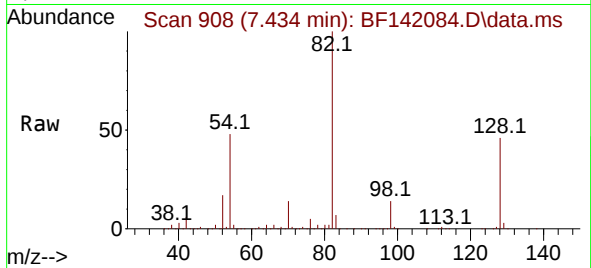




#25
Isophorone
Concen: 57.101 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

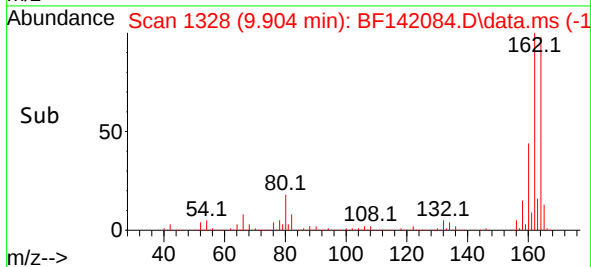
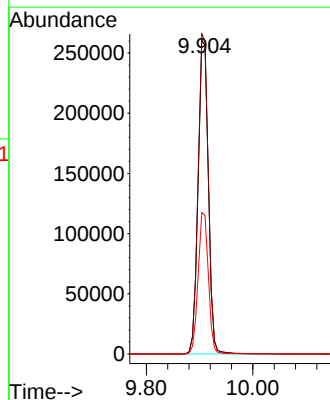
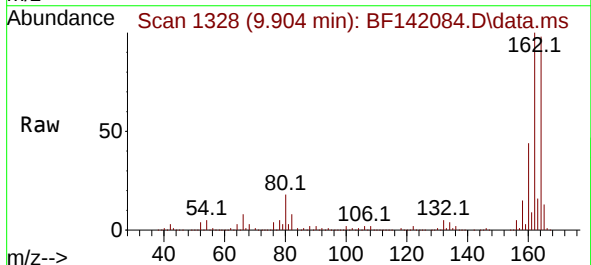
Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion: 82 Resp: 1093657
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:164 Resp: 348183
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.6
160 45.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 172.063 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142084.D

Acq: 25 Mar 2025 18:09

Instrument :

BNA_F

ClientSampleId :

CO-32-1

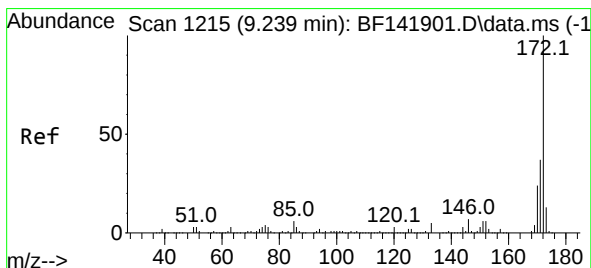
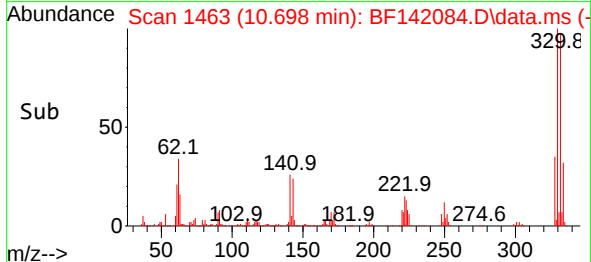
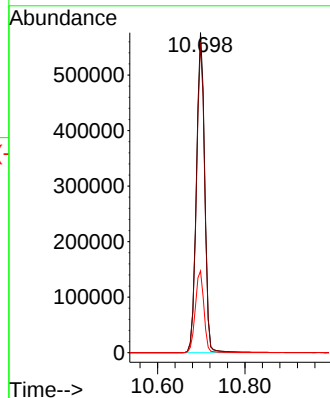
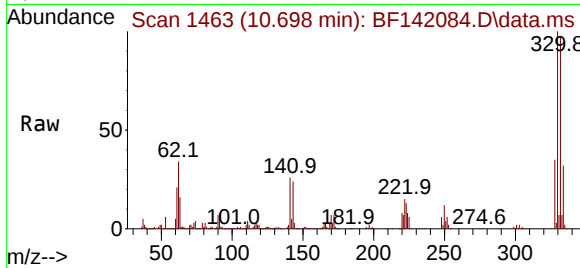
Tgt Ion:330 Resp: 760029

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 26.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 100.523 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142084.D

Acq: 25 Mar 2025 18:09

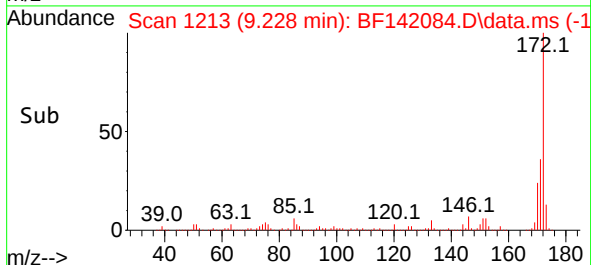
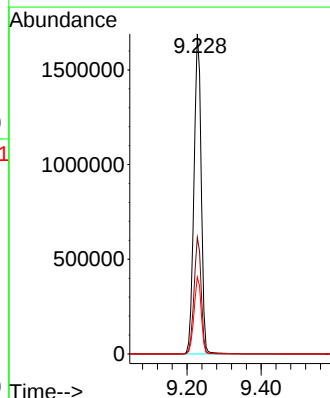
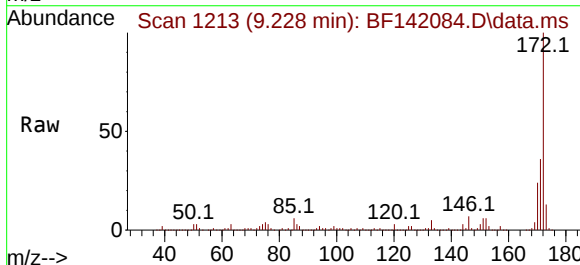
Tgt Ion:172 Resp: 2301439

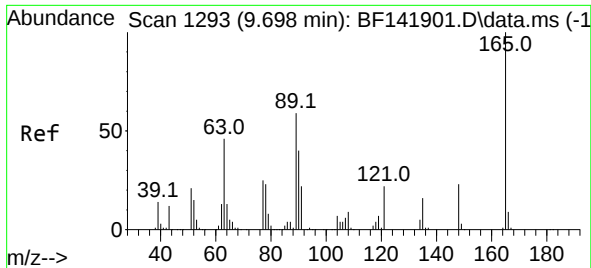
Ion Ratio Lower Upper

172 100

171 36.4 29.3 43.9

170 24.0 19.4 29.0

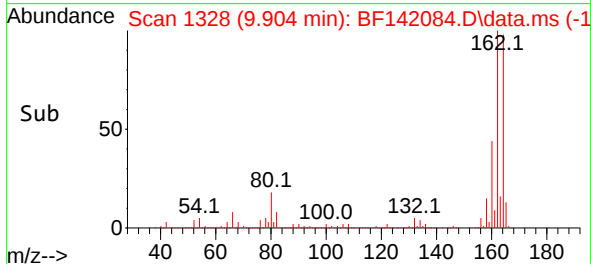
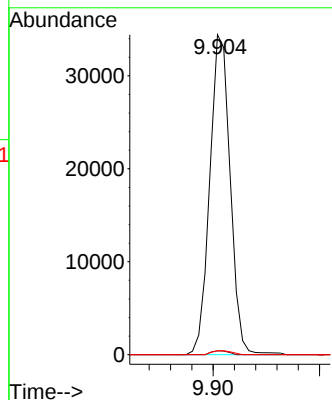
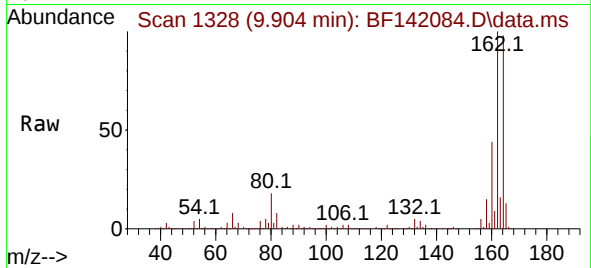




#51
2,6-Dinitrotoluene
Concen: 9.035 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

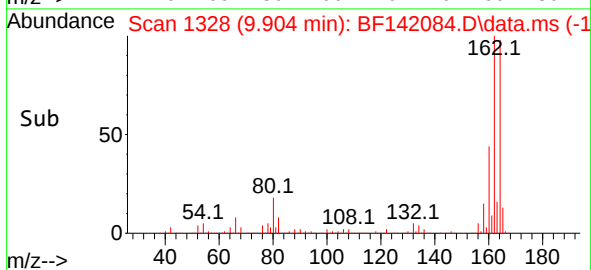
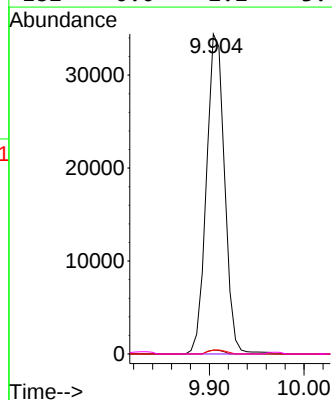
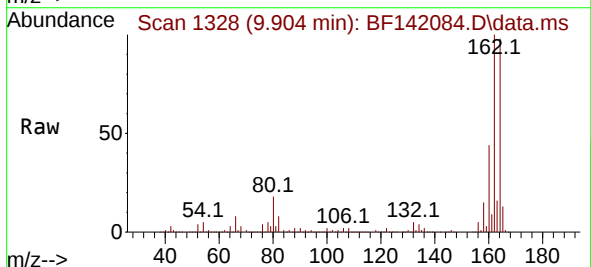
Instrument :
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CO-32-1

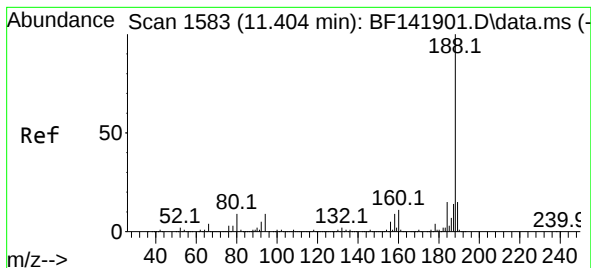
Tgt Ion:165 Resp: 45868
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.918 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:165 Resp: 45869
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142084.D

Acq: 25 Mar 2025 18:09

Instrument :

BNA_F

ClientSampleId :

CO-32-1

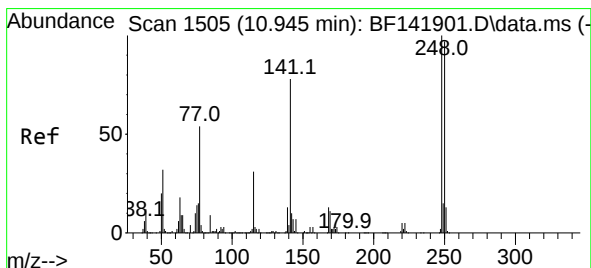
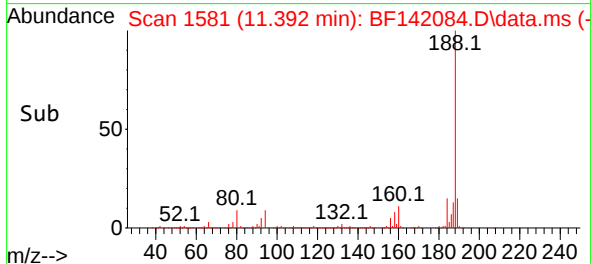
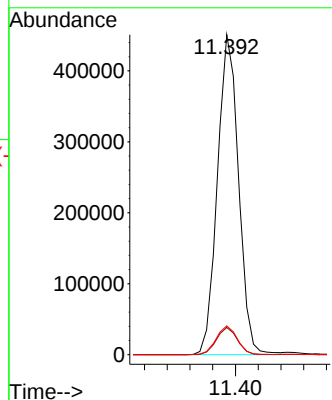
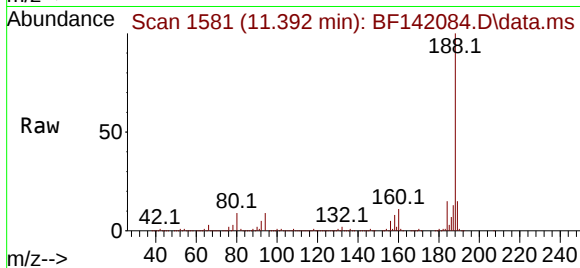
Tgt Ion:188 Resp: 583175

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.0 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 6.285 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142084.D

Acq: 25 Mar 2025 18:09

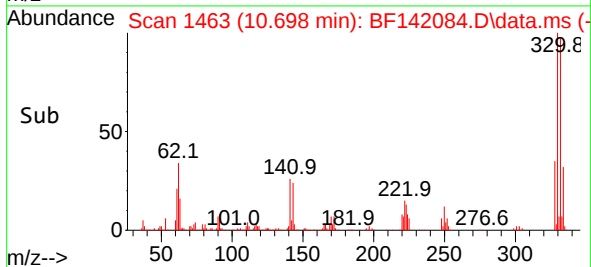
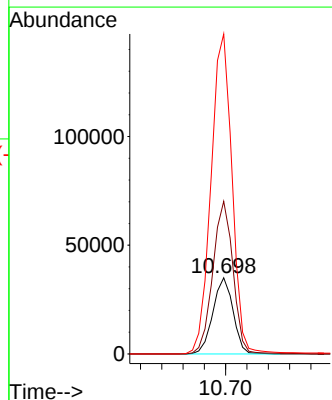
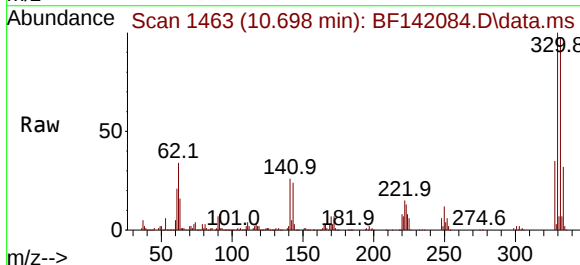
Tgt Ion:248 Resp: 46033

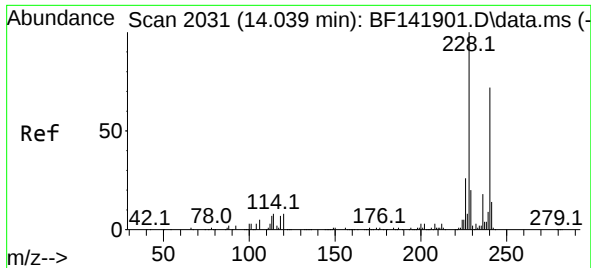
Ion Ratio Lower Upper

248 100

250 200.5 77.8 116.8#

141 420.3 62.6 93.8#

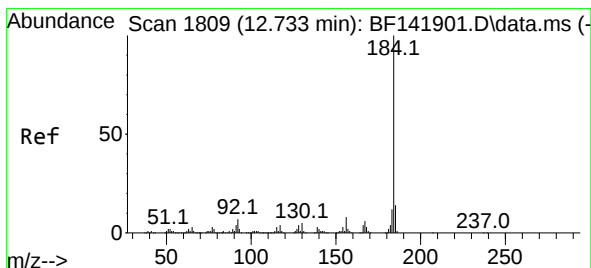
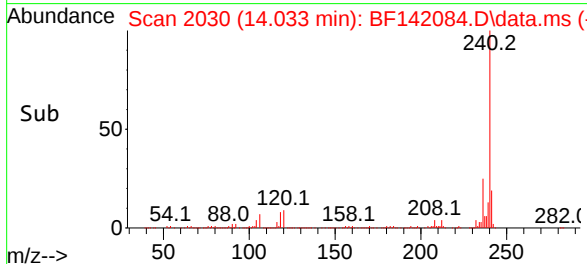
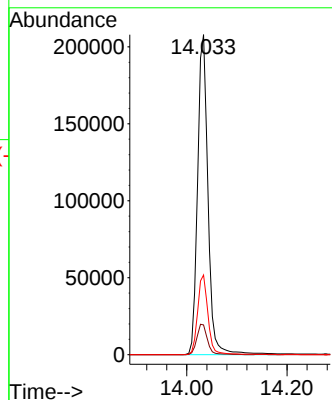
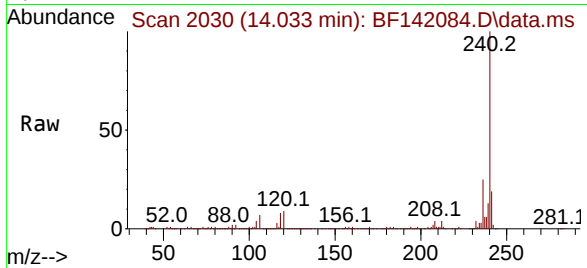




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

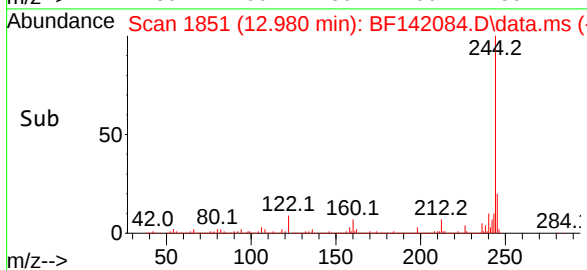
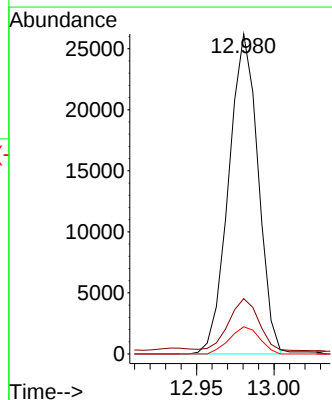
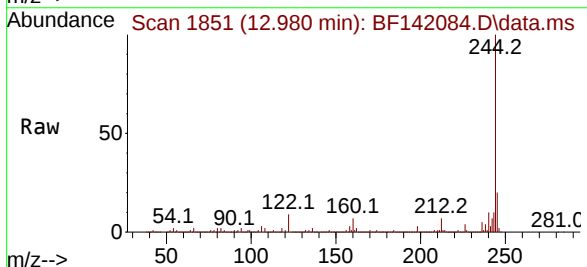
Instrument :
BNA_F
ClientSampleId :
CO-32-1

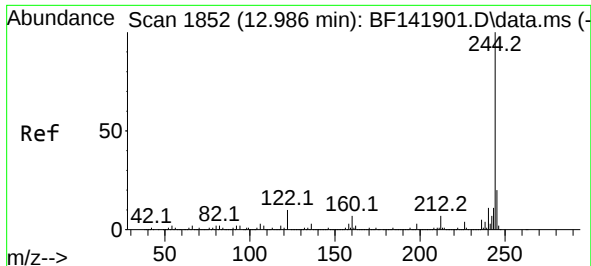
Tgt Ion:240 Resp: 299418
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 24.9 20.5 30.7



#77
Benzidine
Concen: 8.272 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:184 Resp: 34557
Ion Ratio Lower Upper
184 100
185 17.3 11.5 17.3#
183 8.5 9.7 14.5#

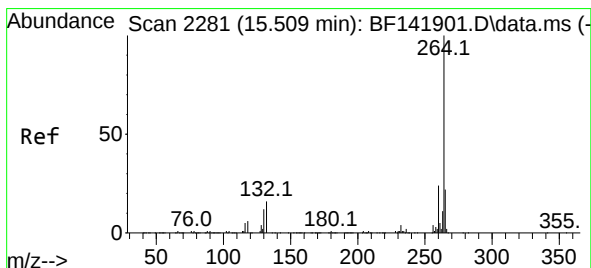
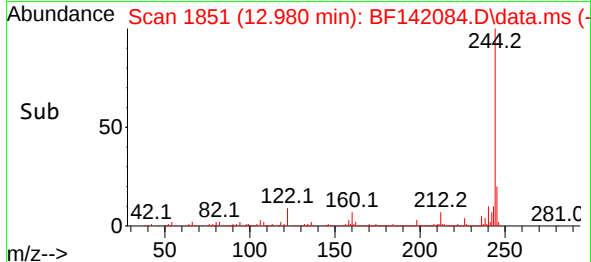
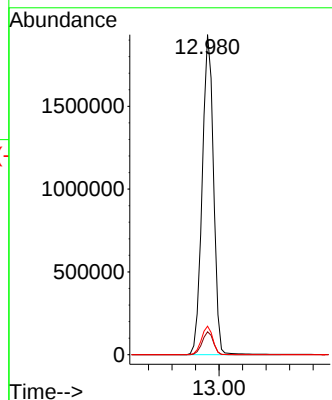
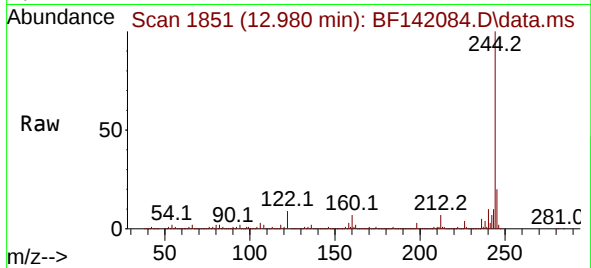




#79
 Terphenyl-d14
 Concen: 127.240 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142084.D
 Acq: 25 Mar 2025 18:09

Instrument :
 BNA_F
 ClientSampleId :
 CO-32-1

Tgt Ion:244 Resp: 2576873
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 8.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142084.D
 Acq: 25 Mar 2025 18:09

Tgt Ion:264 Resp: 256921
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.4 17.5 26.3

