

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142753.D
 Acq On : 12 Jun 2025 13:00
 Operator : RC/JU
 Sample : Q2268-06DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605-ADL

Quant Time: Jun 12 13:56:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

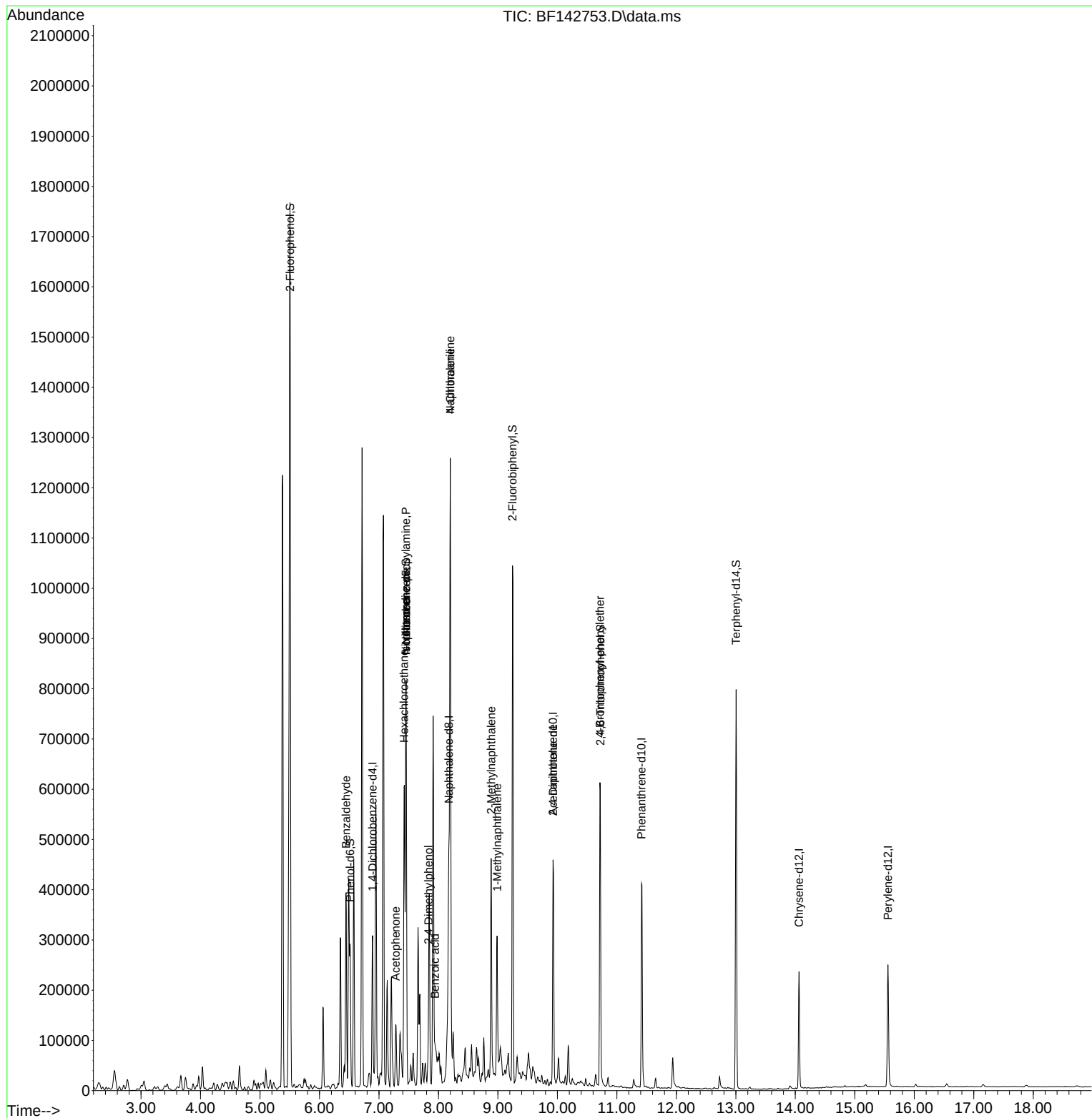
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	66877	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	247965	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	135607	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	217678	20.000	ng	0.00
76) Chrysene-d12	14.063	240	118180	20.000	ng	0.00
86) Perylene-d12	15.557	264	146576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	144538	36.809	ng	0.00
7) Phenol-d6	6.516	99	127037	27.490	ng	0.00
23) Nitrobenzene-d5	7.451	82	206320	45.536	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	106887	71.918	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	472551	46.296	ng	-0.01
79) Terphenyl-d14	13.004	244	382508	44.454	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.445	77	23745	8.297	ng	# 1
18) Hexachloroethane	7.422	117	64584	36.413	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	28243	9.600	ng	# 80
22) Acetophenone	7.281	105	71522	12.967	ng	# 55
24) Nitrobenzene	7.457	77	8382	2.084	ng	# 1
25) Isophorone	7.451	82	203733	26.557	ng	# 63
27) 2,4-Dimethylphenol	7.834	122	7853	2.055	ng	96
31) Naphthalene	8.198	128	727792	59.347	ng	99
32) Benzoic acid	7.939	122	9859	4.582	ng	# 66
33) 4-Chloroaniline	8.198	127	100287	20.368	ng	# 32
37) 2-Methylnaphthalene	8.886	142	164105	21.142	ng	99
38) 1-Methylnaphthalene	8.986	142	94313	11.729	ng	99
57) 2,4-Dinitrotoluene	9.928	165	17140	6.624	ng	# 30
67) 4-Bromophenyl-phenylether	10.716	248	6907	2.688	ng	# 1

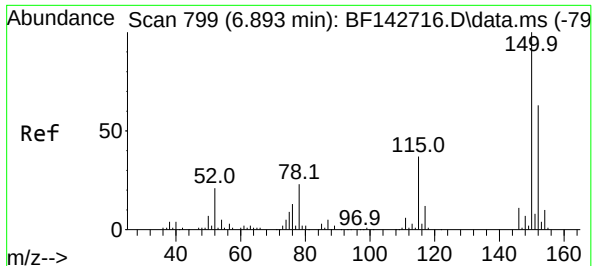
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 13:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

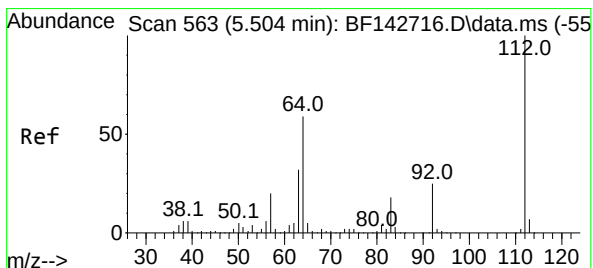
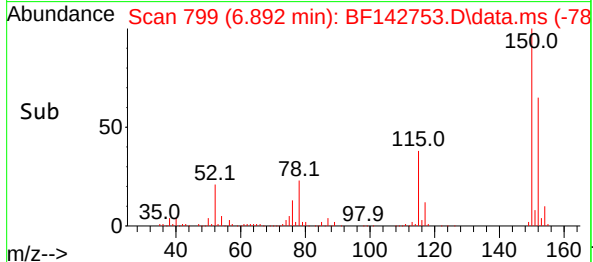
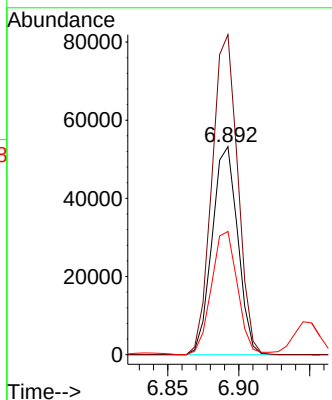
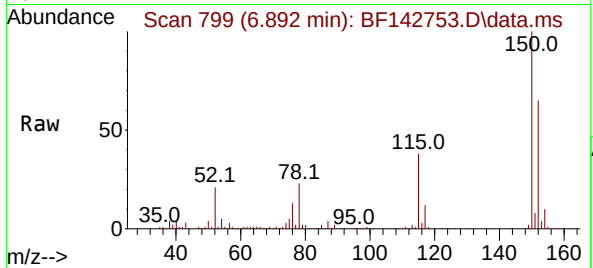




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

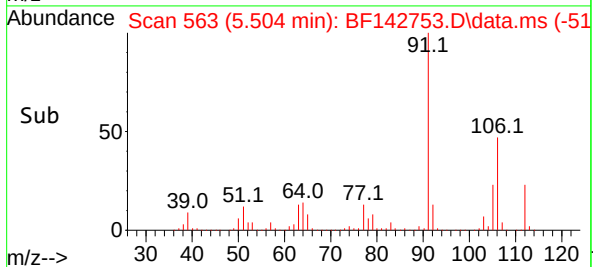
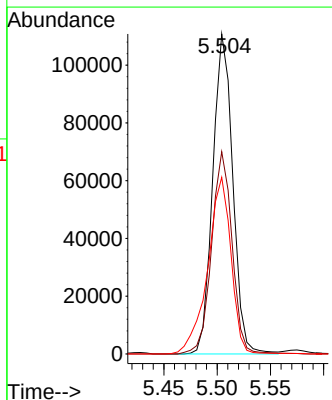
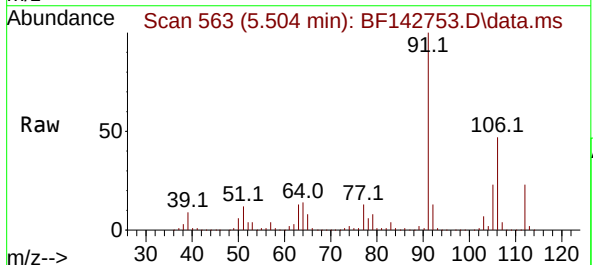
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

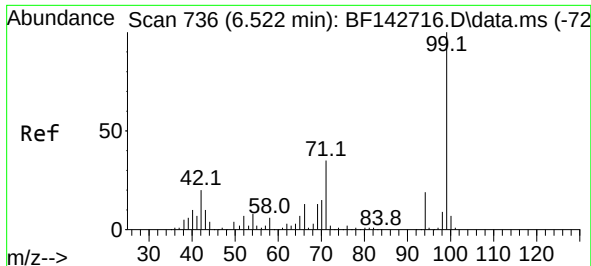
Tgt Ion:152 Resp: 66877
Ion Ratio Lower Upper
152 100
150 153.8 126.9 190.3
115 59.2 47.0 70.6



#5
2-Fluorophenol
Concen: 36.809 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:112 Resp: 144538
Ion Ratio Lower Upper
112 100
64 63.2 47.4 71.2
63 55.2 25.4 38.0#





#7

Phenol-d6

Concen: 27.490 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

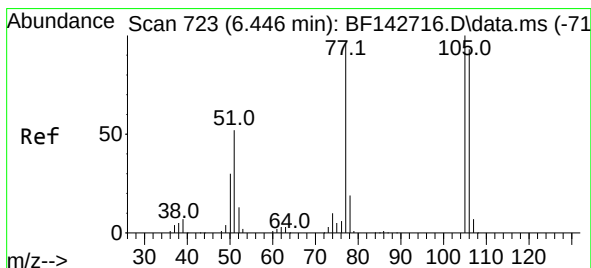
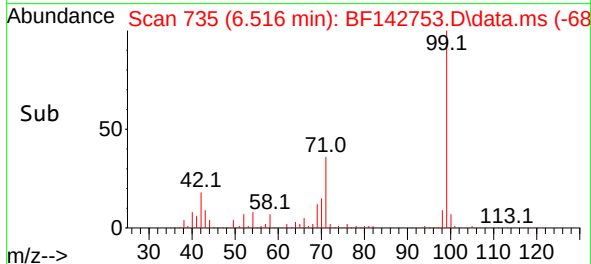
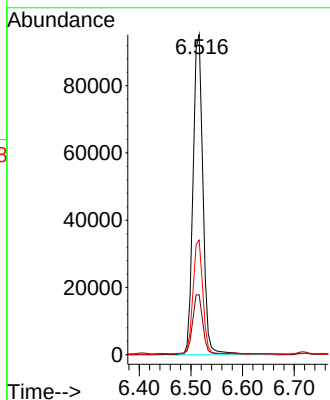
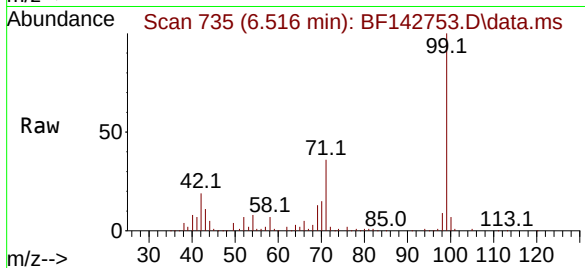
Tgt Ion: 99 Resp: 127037

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 35.8 28.0 42.0



#9

Benzaldehyde

Concen: 8.297 ng

RT: 6.445 min Scan# 723

Delta R.T. -0.001 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

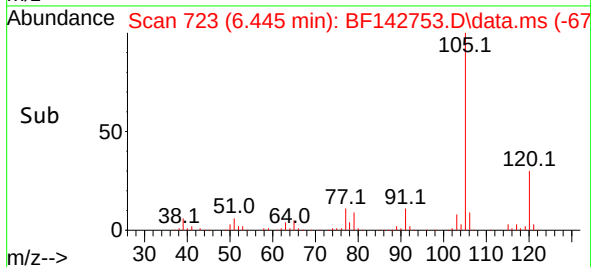
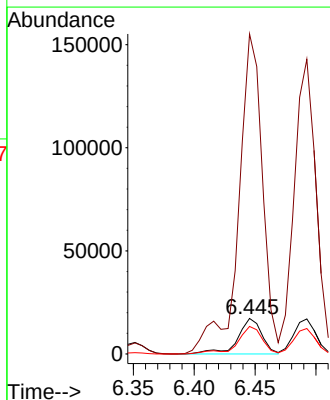
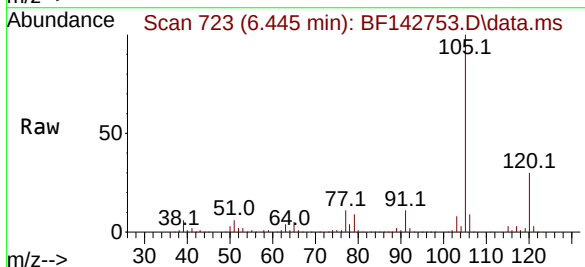
Tgt Ion: 77 Resp: 23745

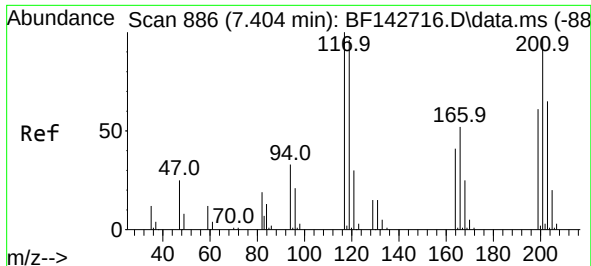
Ion Ratio Lower Upper

77 100

105 901.9 84.1 124.1#

106 77.6 77.2 117.2

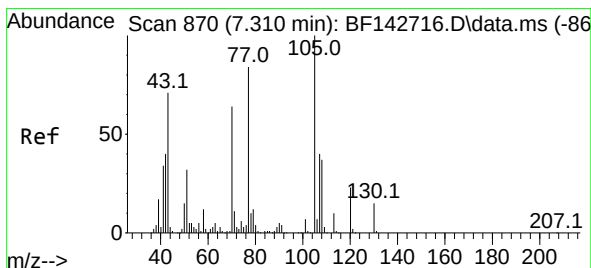
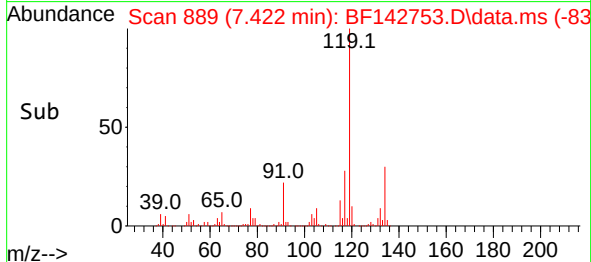
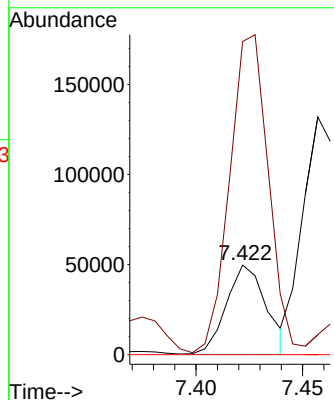
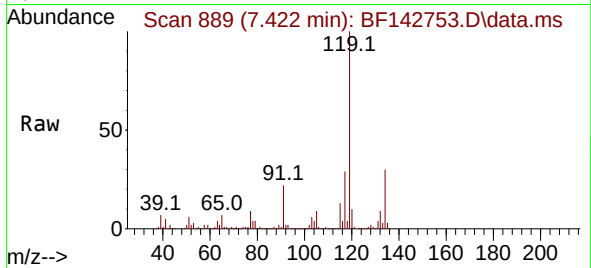




#18
Hexachloroethane
Concen: 36.413 ng
RT: 7.422 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

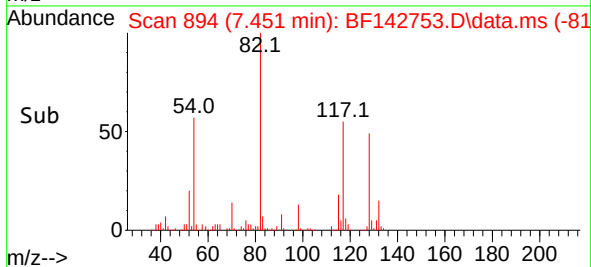
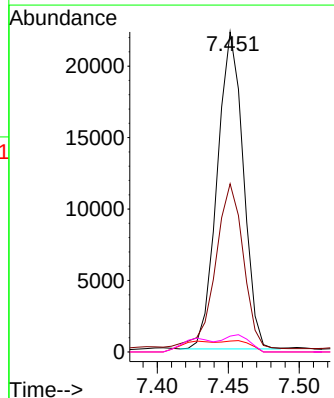
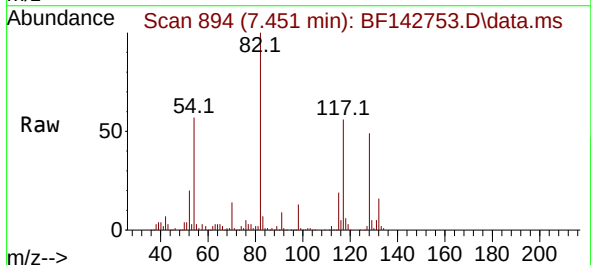
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

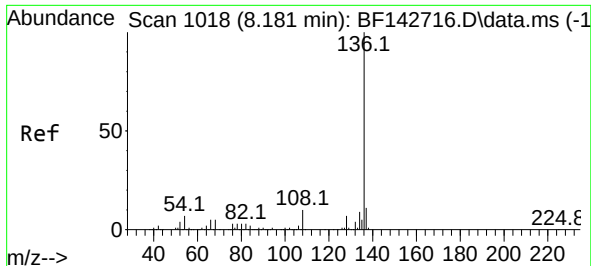
Tgt Ion:117 Resp: 64584
Ion Ratio Lower Upper
117 100
119 349.5 76.4 114.6#
201 0.0 77.8 116.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.600 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion: 70 Resp: 28243
Ion Ratio Lower Upper
70 100
42 52.6 50.2 75.4
101 3.4 8.3 12.5#
130 5.0 19.0 28.6#

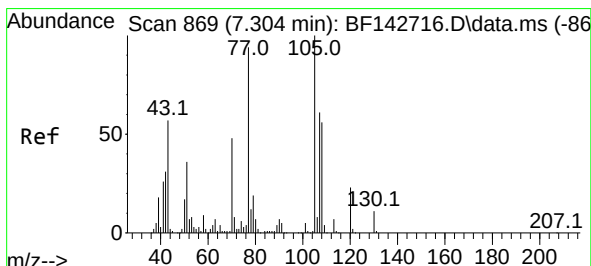
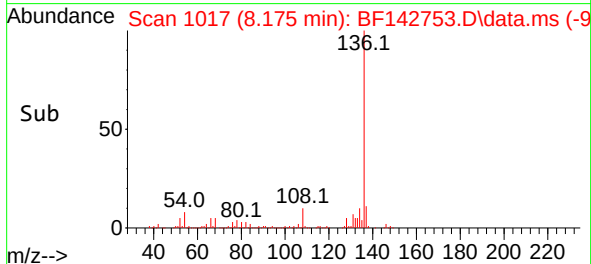
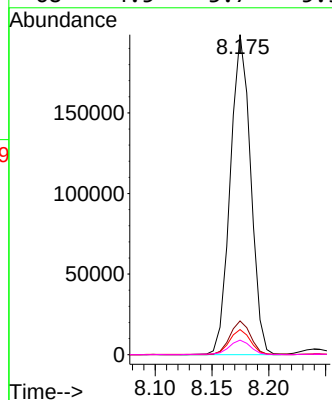
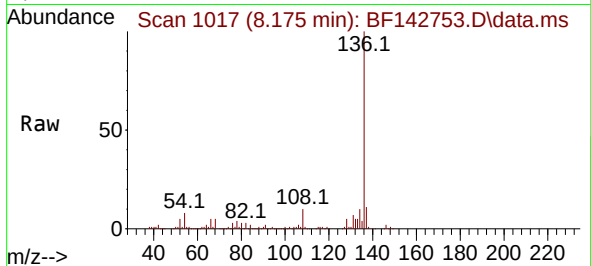




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

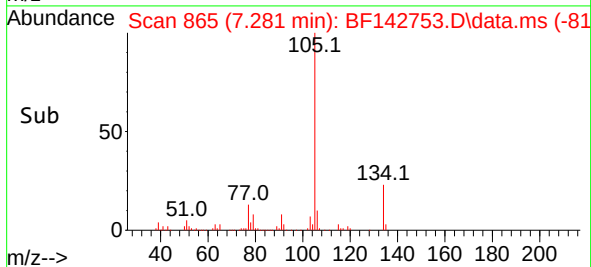
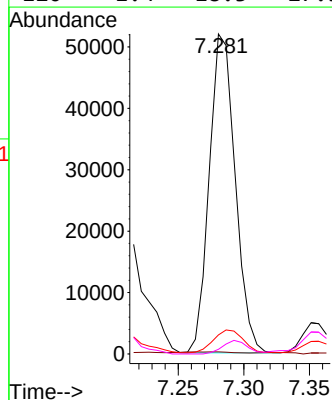
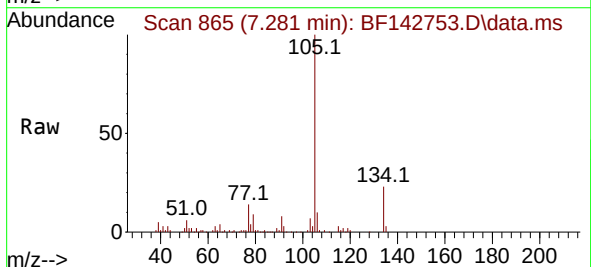
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

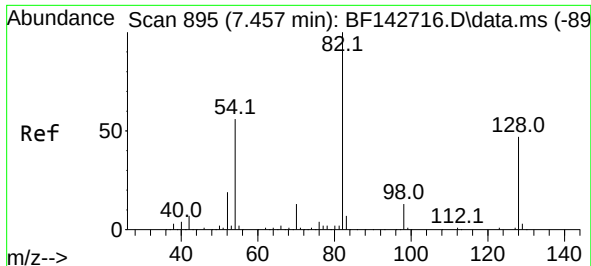
Tgt Ion:	136	Resp:	247965
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	7.8	5.9	8.9
68	4.5	3.7	5.5



#22
Acetophenone
Concen: 12.967 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.024 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:	105	Resp:	71522
Ion	Ratio	Lower	Upper
105	100		
71	0.6	6.4	9.6#
51	6.0	29.1	43.7#
120	1.4	18.3	27.5#





#23

Nitrobenzene-d5

Concen: 45.536 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

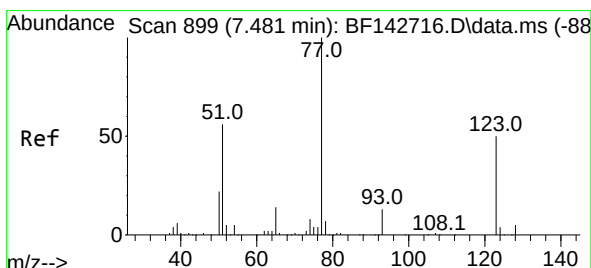
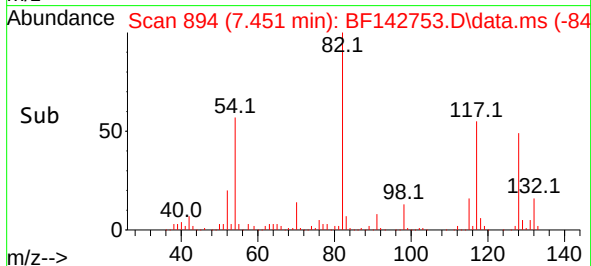
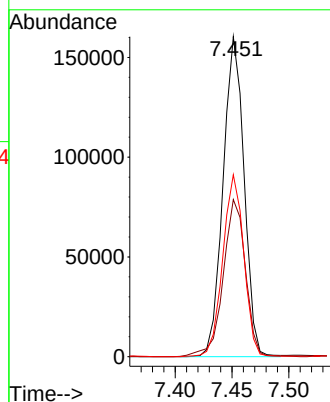
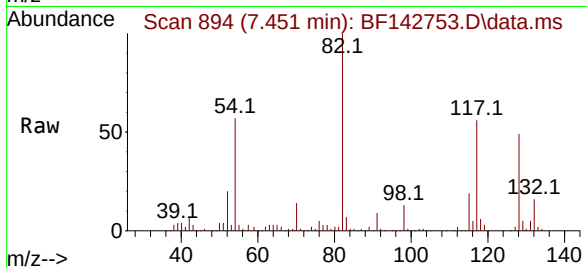
Tgt Ion: 82 Resp: 206320

Ion Ratio Lower Upper

82 100

128 49.1 37.8 56.8

54 56.8 44.9 67.3



#24

Nitrobenzene

Concen: 2.084 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.024 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

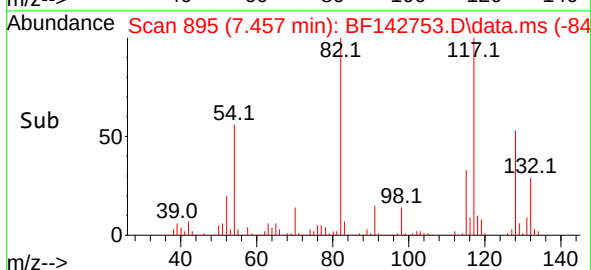
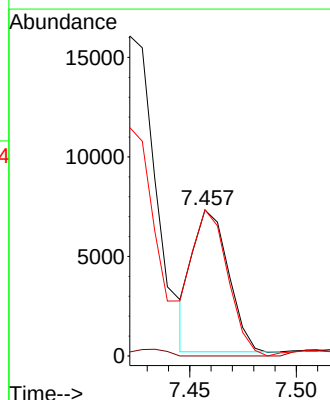
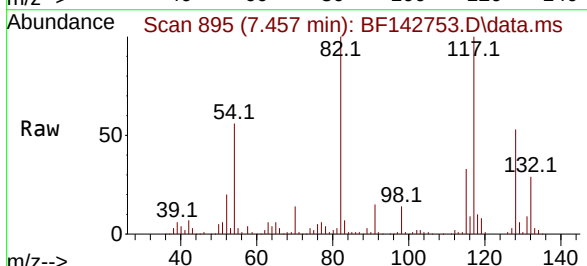
Tgt Ion: 77 Resp: 8382

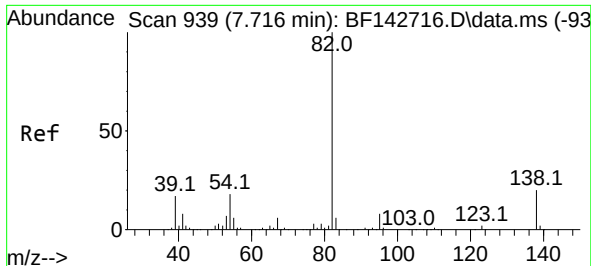
Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

65 100.3 11.5 17.3#

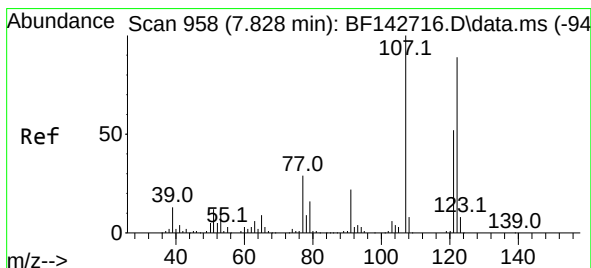
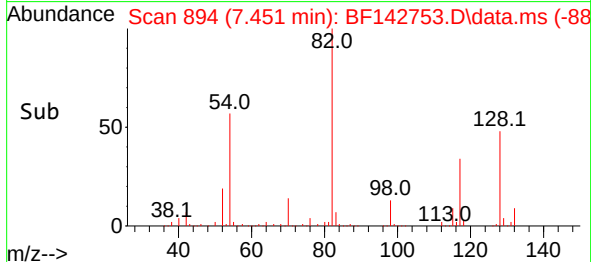
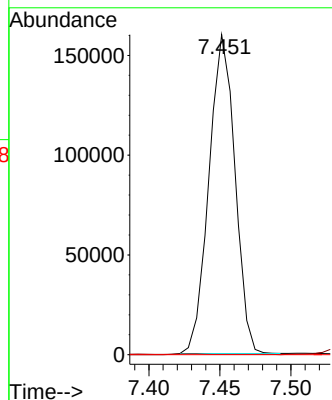
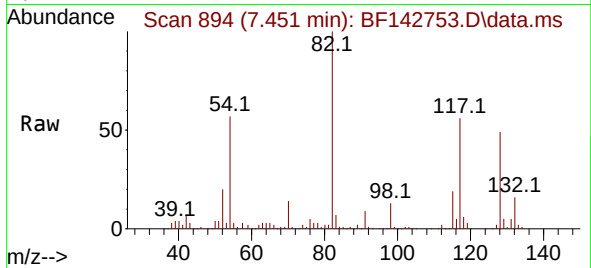




#25
Isophorone
Concen: 26.557 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

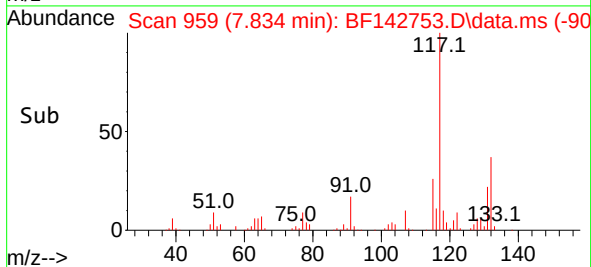
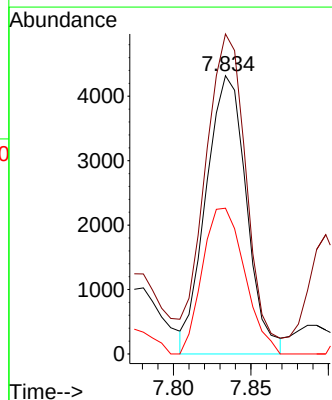
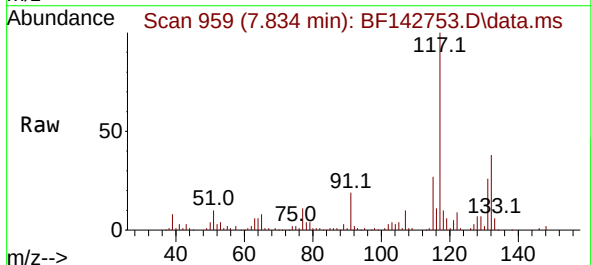
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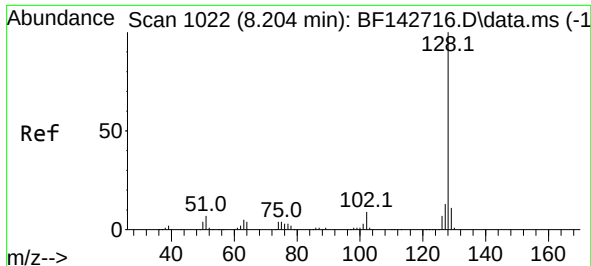
Tgt Ion: 82 Resp: 203733
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.8 23.6#



#27
2,4-Dimethylphenol
Concen: 2.055 ng
RT: 7.834 min Scan# 959
Delta R.T. 0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion: 122 Resp: 7853
Ion Ratio Lower Upper
122 100
107 115.0 90.4 135.6
121 52.4 46.9 70.3

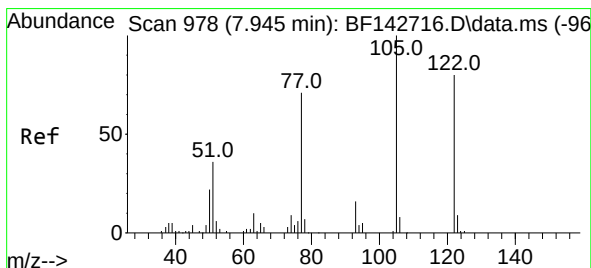
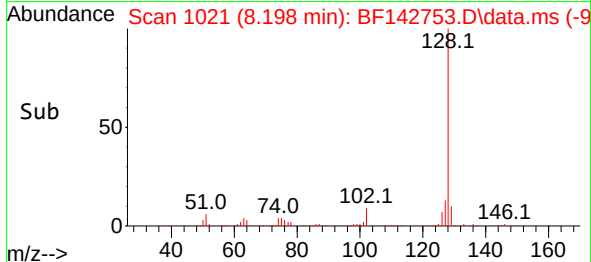
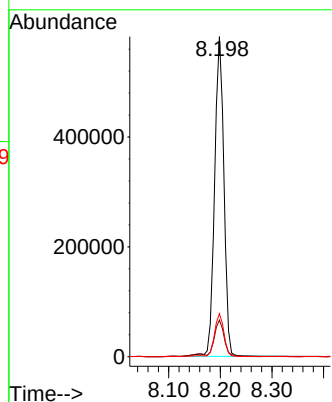
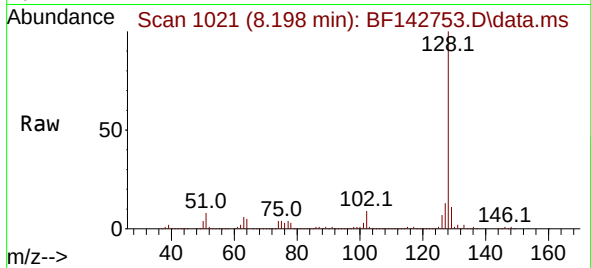




#31
Naphthalene
Concen: 59.347 ng
RT: 8.198 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

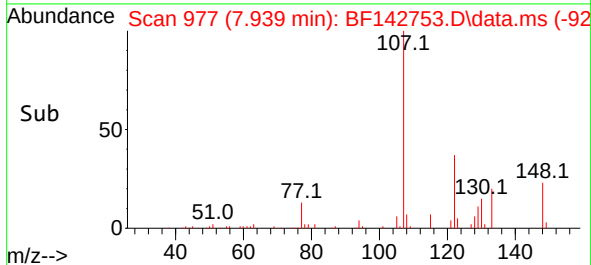
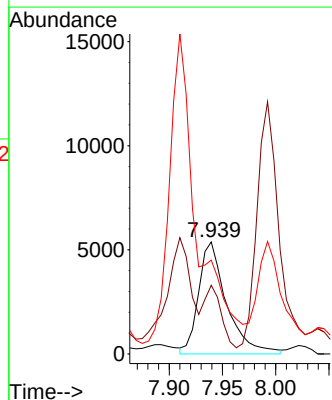
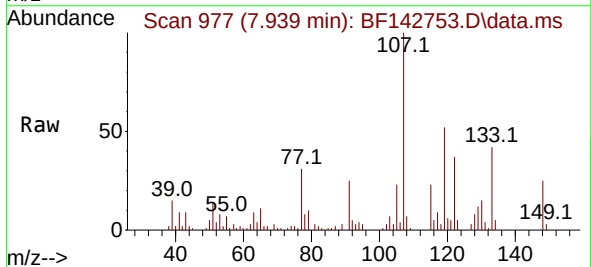
Instrument :
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MW-2-20250605-ADL

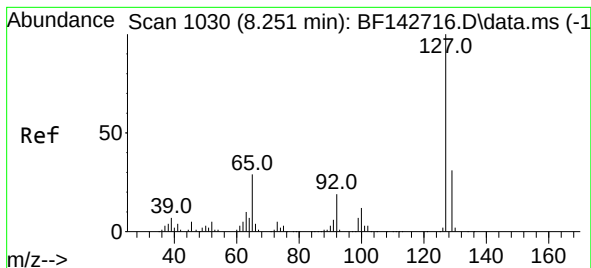
Tgt Ion:128 Resp: 727792
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.4 10.4 15.6



#32
Benzoic acid
Concen: 4.582 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:122 Resp: 9859
Ion Ratio Lower Upper
122 100
105 61.4 102.6 142.6#
77 83.8 68.2 108.2





#33

4-Chloroaniline

Concen: 20.368 ng

RT: 8.198 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

Tgt Ion:127 Resp: 100287

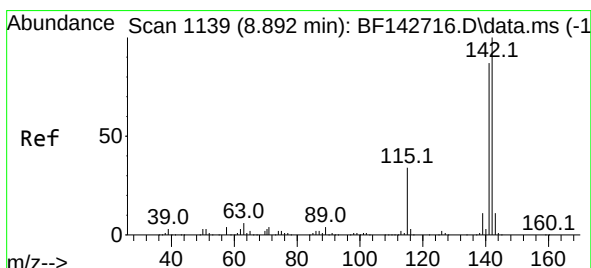
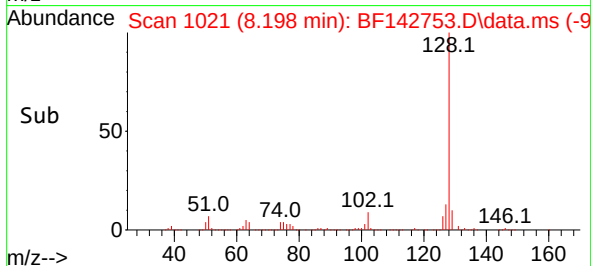
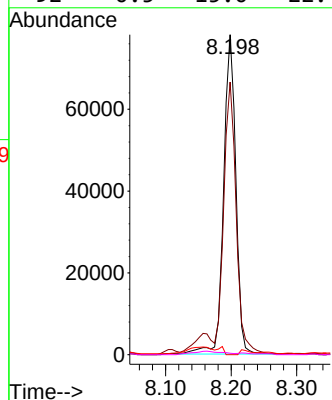
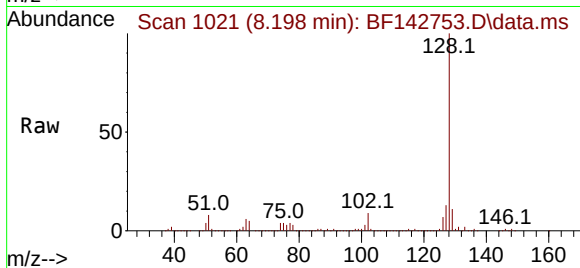
Ion Ratio Lower Upper

127 100

129 85.2 25.6 38.4#

65 0.0 23.0 34.4#

92 0.5 15.0 22.4#



#37

2-Methylnaphthalene

Concen: 21.142 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF142753.D

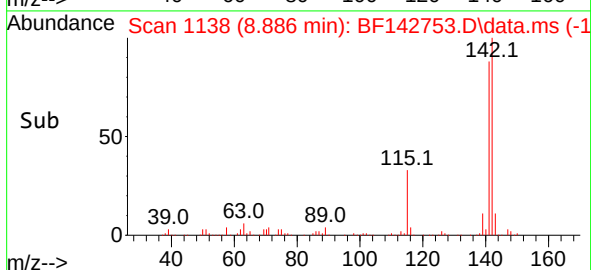
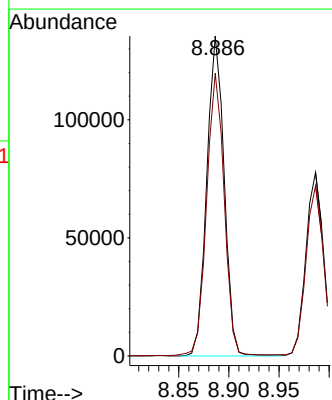
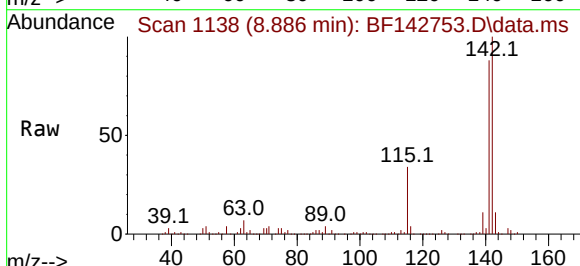
Acq: 12 Jun 2025 13:00

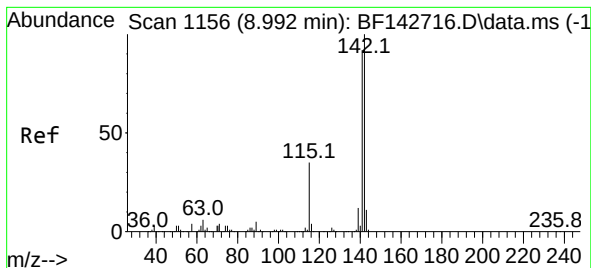
Tgt Ion:142 Resp: 164105

Ion Ratio Lower Upper

142 100

141 88.4 69.9 104.9





#38

1-Methylnaphthalene

Concen: 11.729 ng

RT: 8.986 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

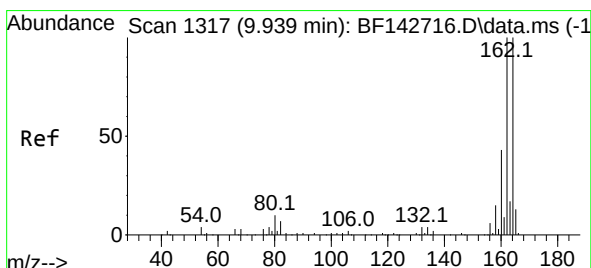
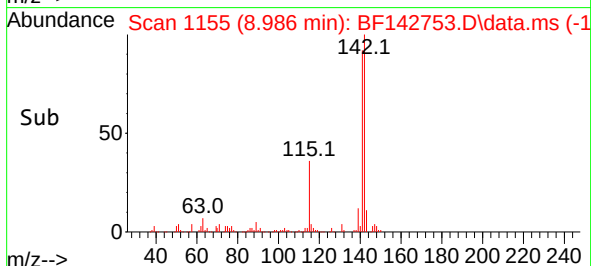
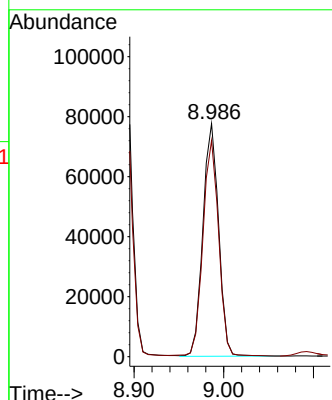
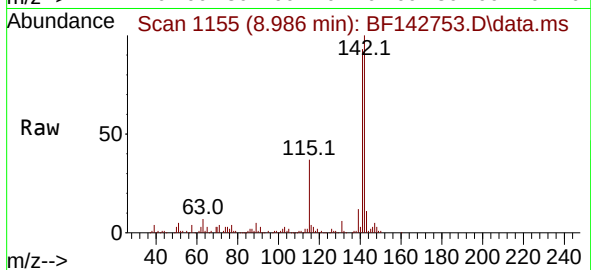
MW-2-20250605-ADL

Tgt Ion:142 Resp: 94313

Ion Ratio Lower Upper

142 100

141 92.7 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

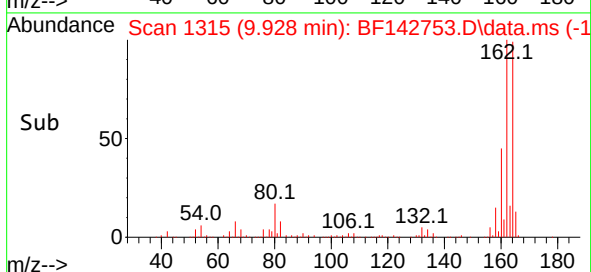
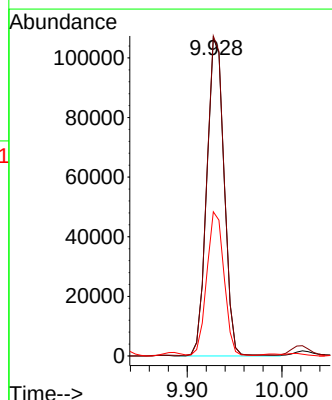
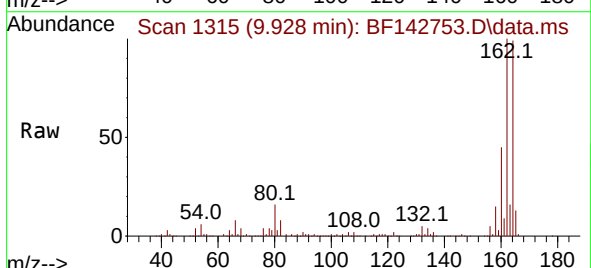
Tgt Ion:164 Resp: 135607

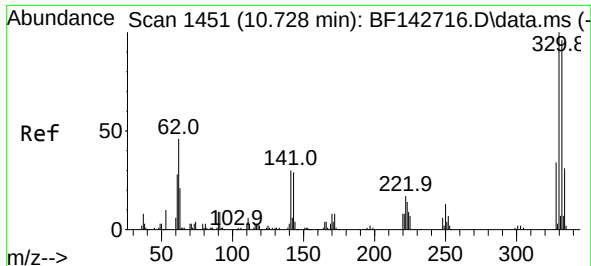
Ion Ratio Lower Upper

164 100

162 100.7 79.9 119.9

160 45.3 34.8 52.2

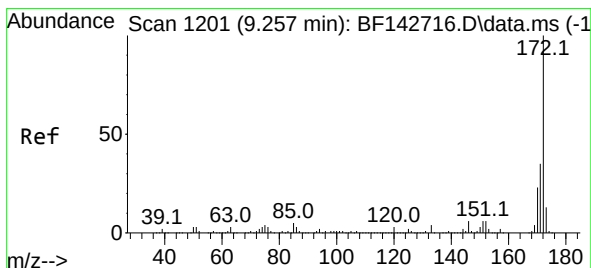
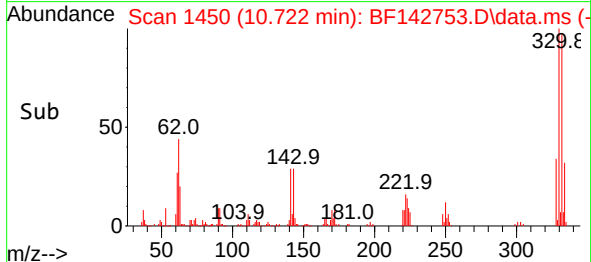
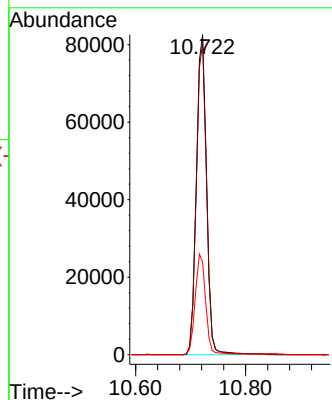
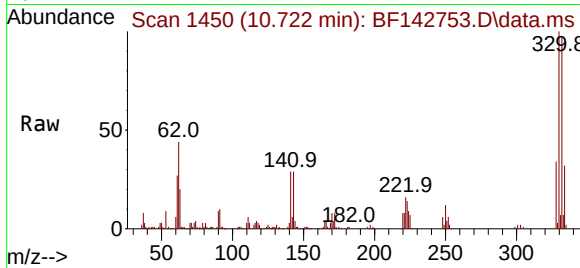




#42
2,4,6-Tribromophenol
Concen: 71.918 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

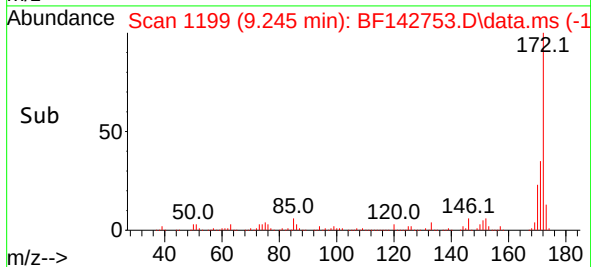
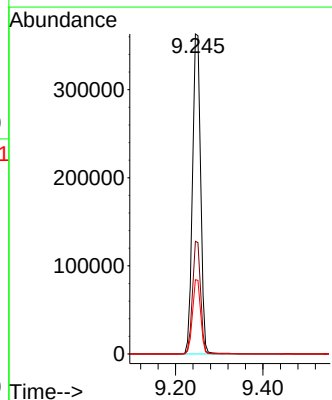
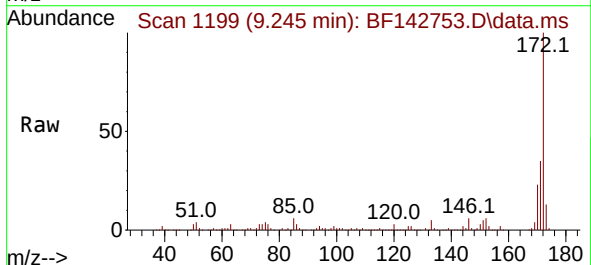
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

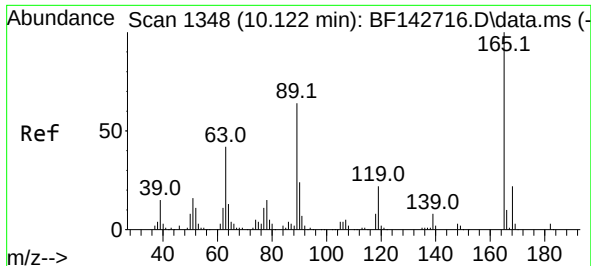
Tgt Ion:330 Resp: 106887
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 32.3 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 46.296 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:172 Resp: 472551
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.2 18.6 27.8

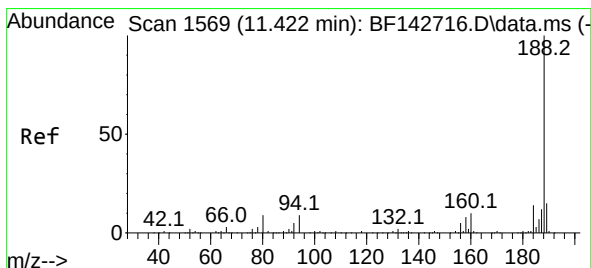
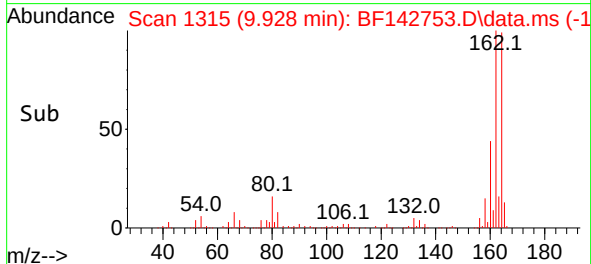
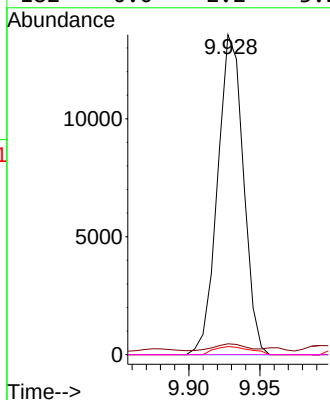
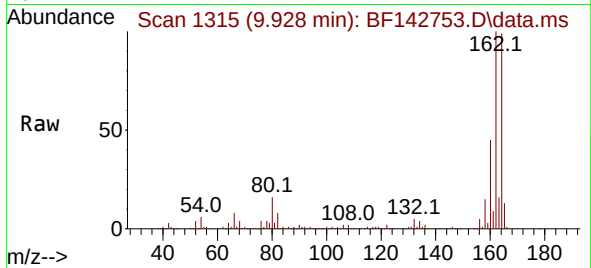




#57
2,4-Dinitrotoluene
Concen: 6.624 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

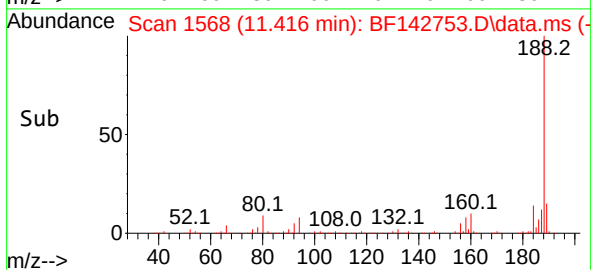
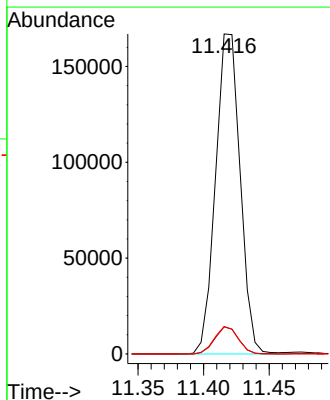
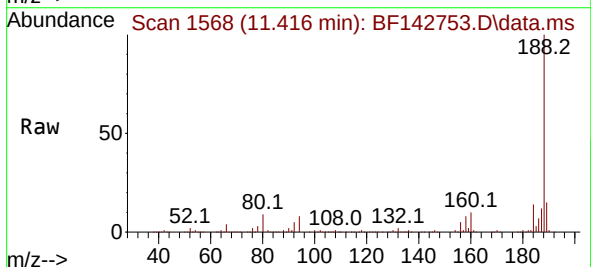
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

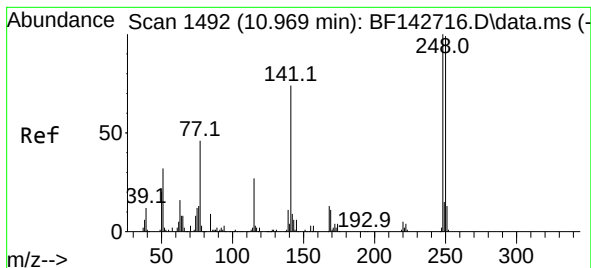
Tgt Ion:165	Resp:	17140
Ion Ratio	Lower	Upper
165	100	
63	3.4	34.1 51.1#
89	2.6	50.8 76.2#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:188	Resp:	217678
Ion Ratio	Lower	Upper
188	100	
94	8.4	6.8 10.2
80	8.6	7.1 10.7

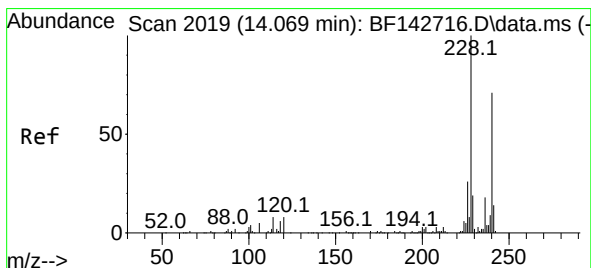
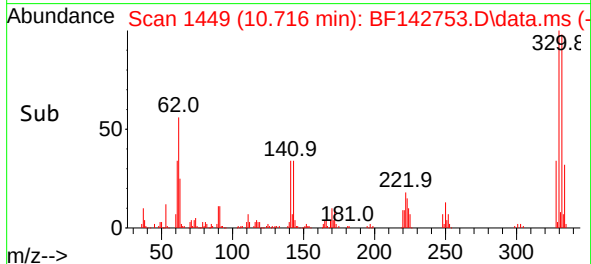
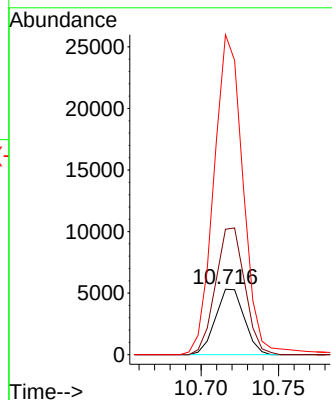
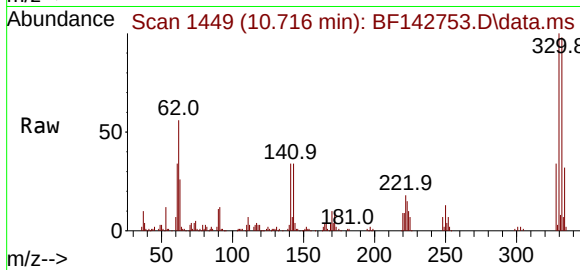




#67
4-Bromophenyl-phenylether
Concen: 2.688 ng
RT: 10.716 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

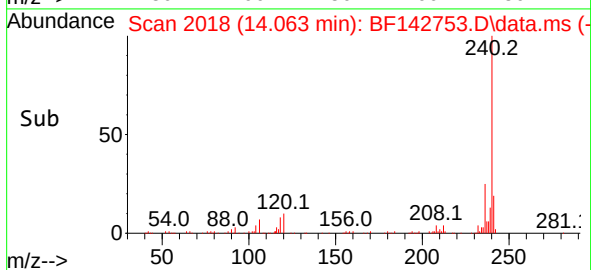
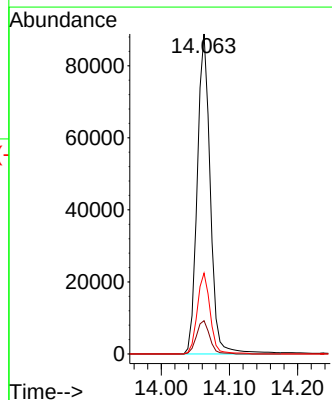
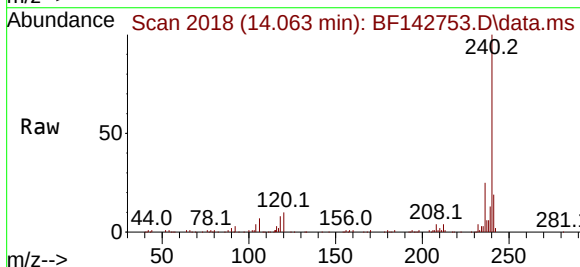
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

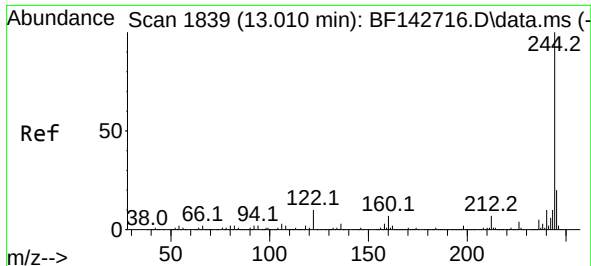
Tgt Ion:248 Resp: 6907
Ion Ratio Lower Upper
248 100
250 191.7 79.2 118.8#
141 489.2 59.3 88.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:240 Resp: 118180
Ion Ratio Lower Upper
240 100
120 10.4 8.5 12.7
236 25.2 20.1 30.1

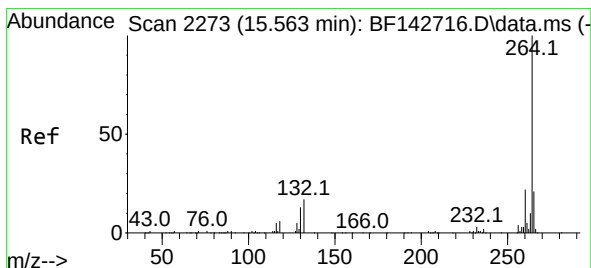
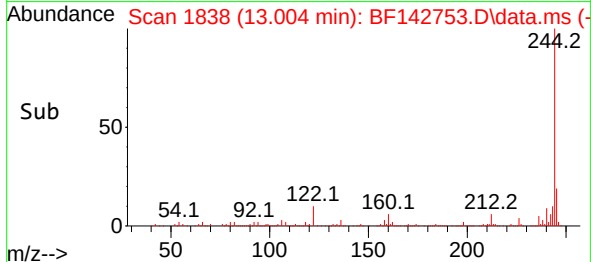
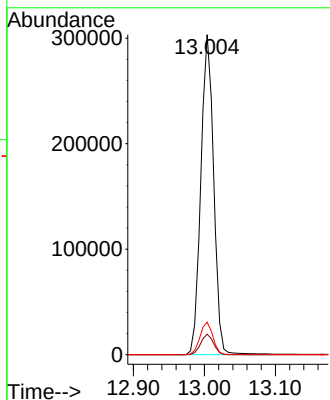
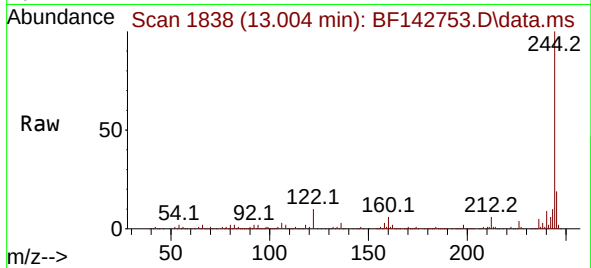




#79
 Terphenyl-d14
 Concen: 44.454 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF142753.D
 Acq: 12 Jun 2025 13:00

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605-ADL

Tgt Ion:244 Resp: 382508
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF142753.D
 Acq: 12 Jun 2025 13:00

Tgt Ion:264 Resp: 146576
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.8 26.6
 265 21.9 16.6 25.0

