

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142896.D
 Acq On : 27 Jun 2025 16:43
 Operator : RC/JU
 Sample : Q2429-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jun 27 17:08:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

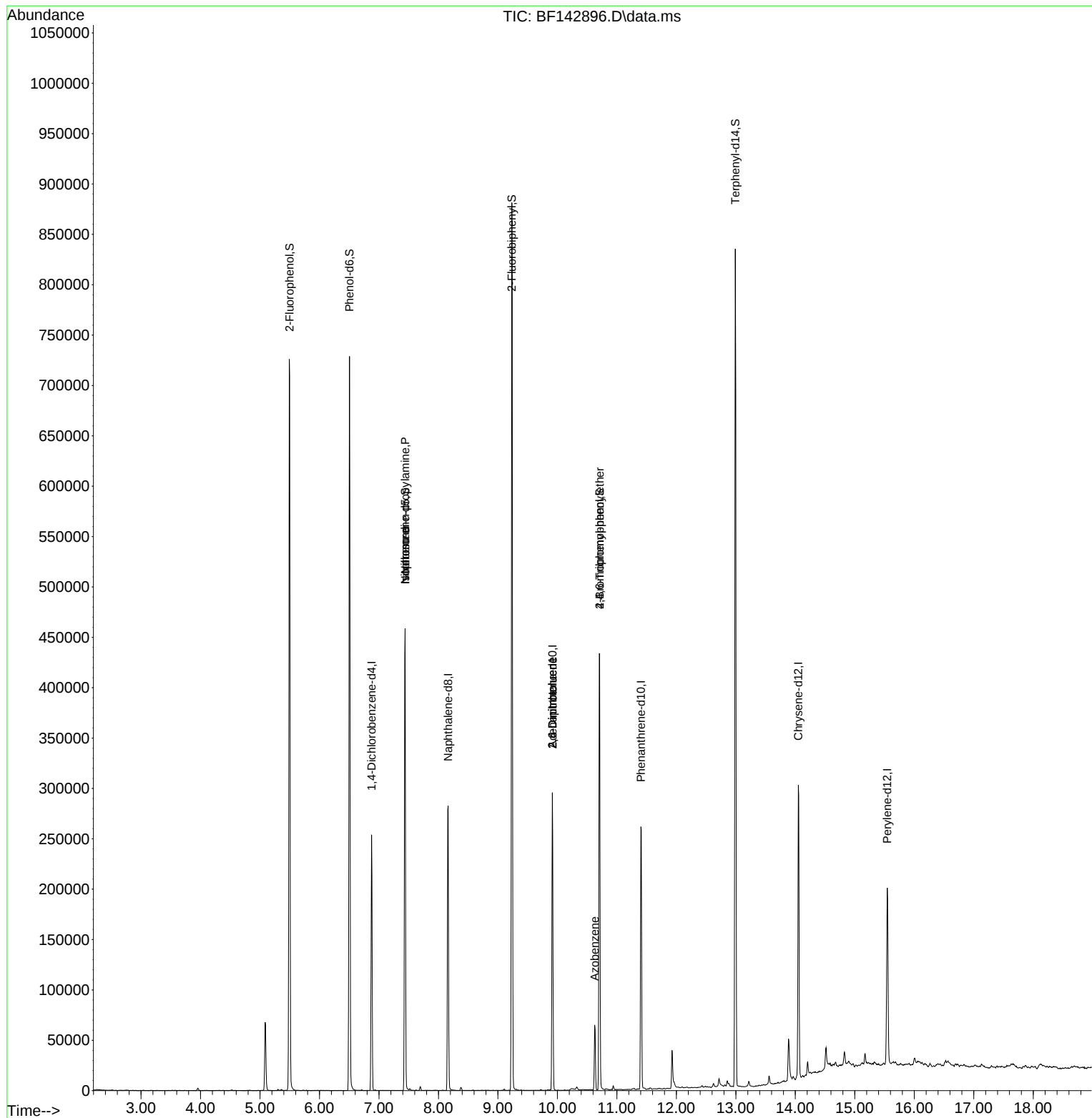
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	54717	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	191573	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	88938	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	144996	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143491	20.000	ng	0.00
86) Perylene-d12	15.545	264	102957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	285121	86.756	ng	0.00
7) Phenol-d6	6.504	99	325731	84.008	ng	0.00
23) Nitrobenzene-d5	7.439	82	194441	55.672	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	77504	84.682	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	397131	58.659	ng	-0.01
79) Terphenyl-d14	12.992	244	396426	38.173	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	25623	11.362	ng	# 76
25) Isophorone	7.439	82	194290	34.678	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	11572	9.153	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	11572	6.891	ng	# 26
63) Azobenzene	10.627	77	15649	3.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	4951	3.000	ng	# 1

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

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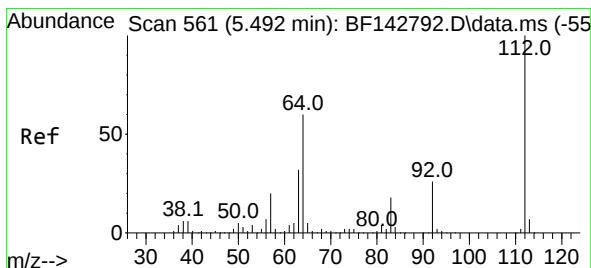
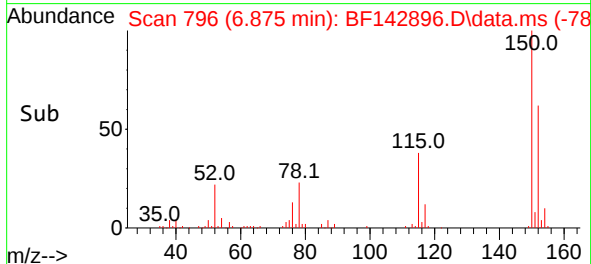
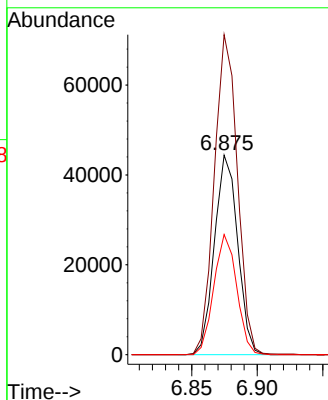
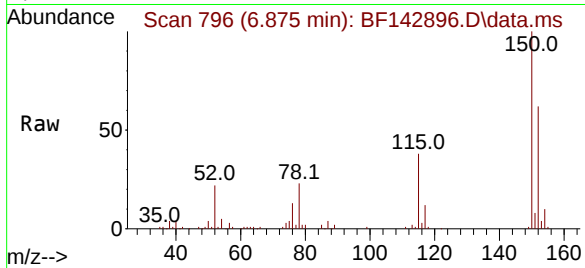




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

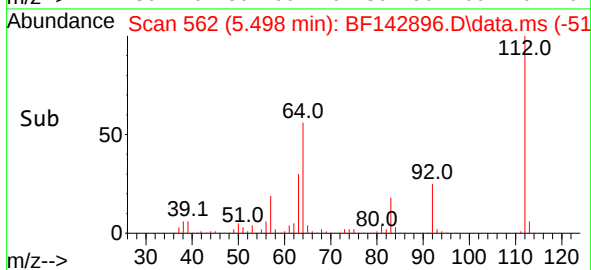
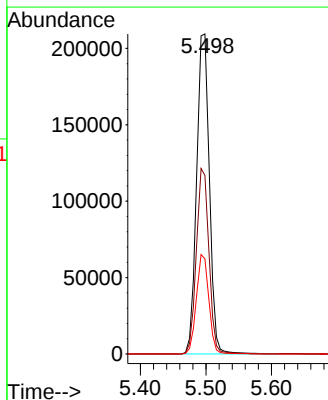
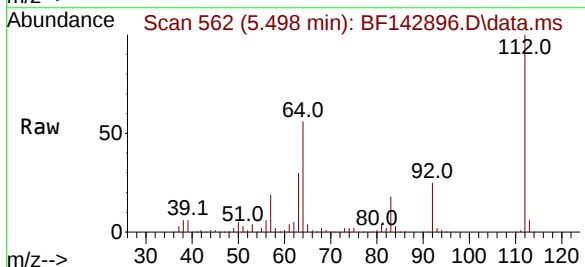
Instrument :
BNA_F
ClientSampleId :
TP-4

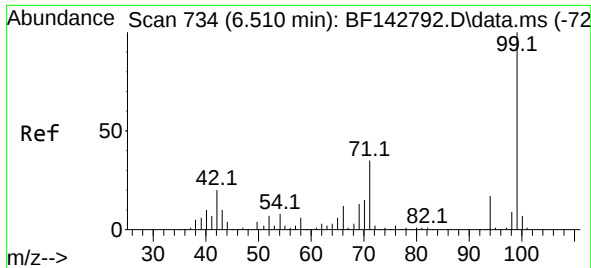
Tgt Ion:152 Resp: 54717
Ion Ratio Lower Upper
152 100
150 160.4 127.2 190.8
115 60.2 46.6 69.8



#5
2-Fluorophenol
Concen: 86.756 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion:112 Resp: 285121
Ion Ratio Lower Upper
112 100
64 55.8 48.2 72.2
63 29.7 25.7 38.5

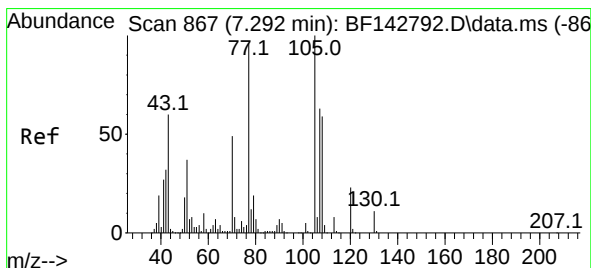
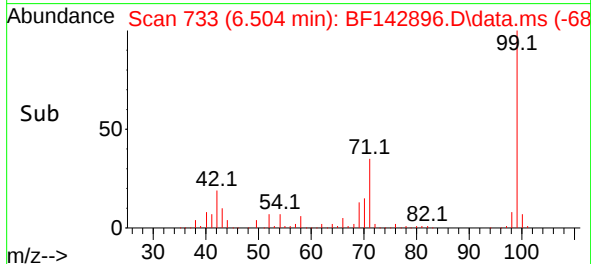
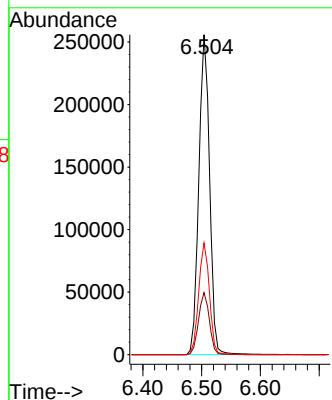
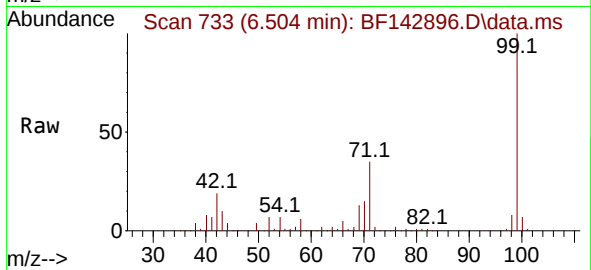




#7
Phenol-d6
Concen: 84.008 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

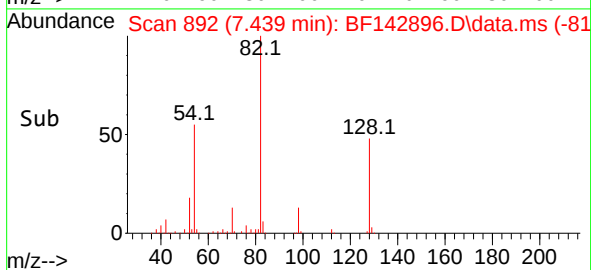
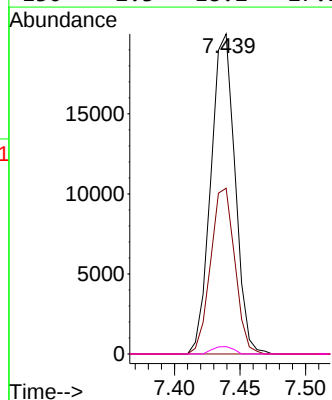
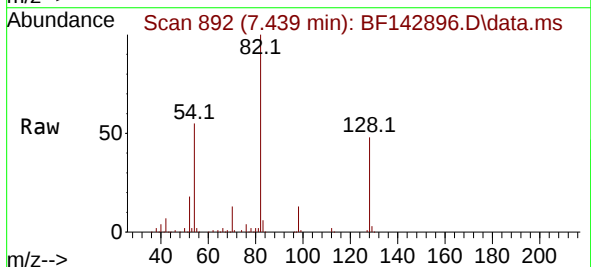
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 325731
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.362 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion: 70 Resp: 25623
Ion Ratio Lower Upper
70 100
42 51.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



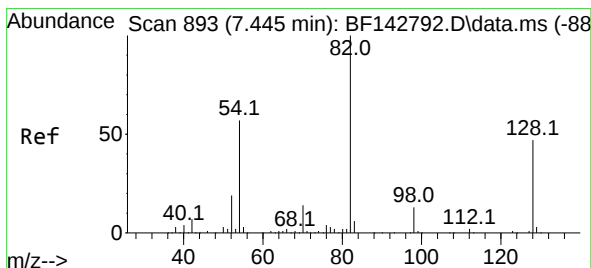
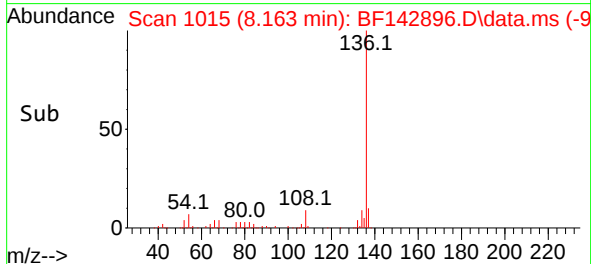
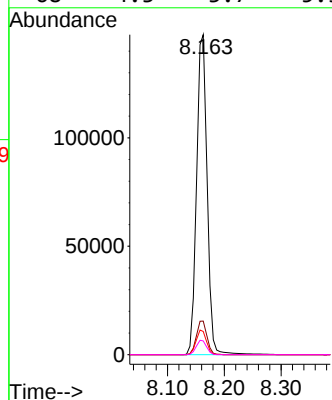
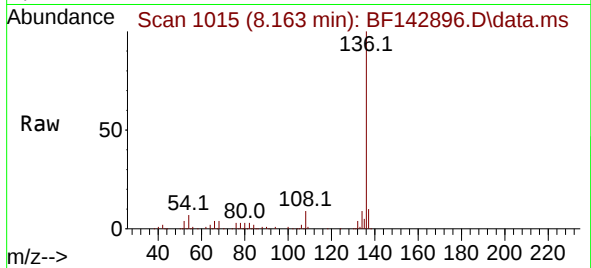


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 191573

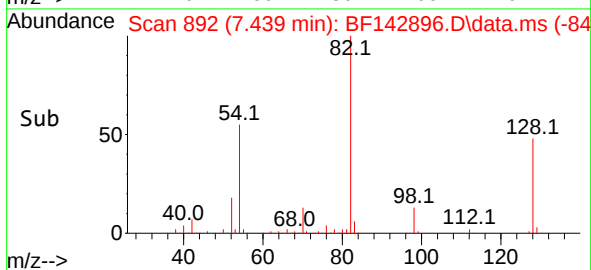
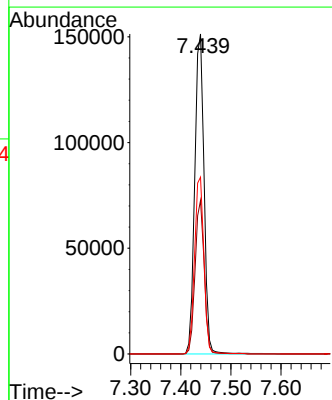
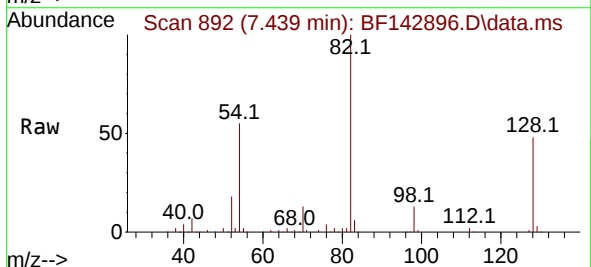
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5

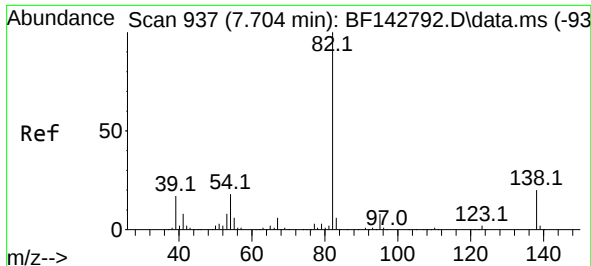


#23
Nitrobenzene-d5
Concen: 55.672 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion: 82 Resp: 194441

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	55.3	45.7	68.5

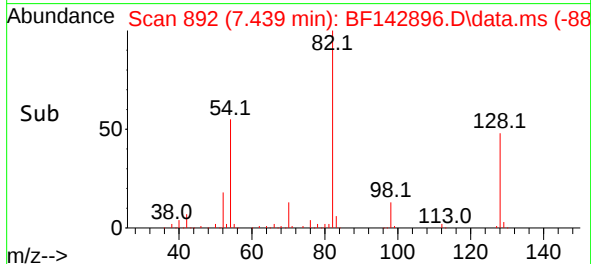
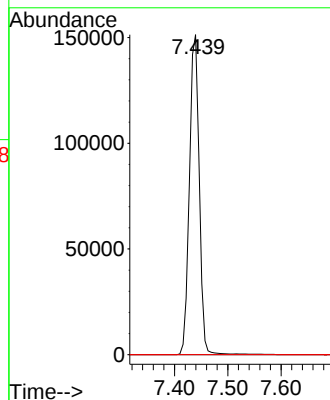
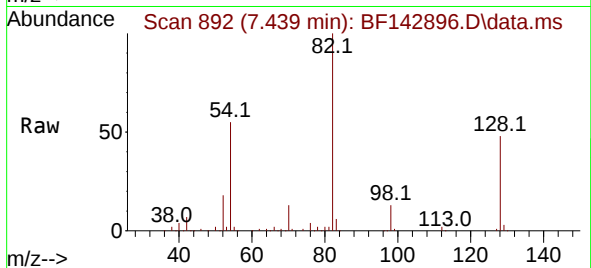




#25
Isophorone
Concen: 34.678 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

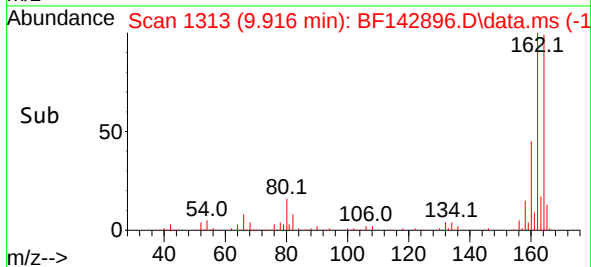
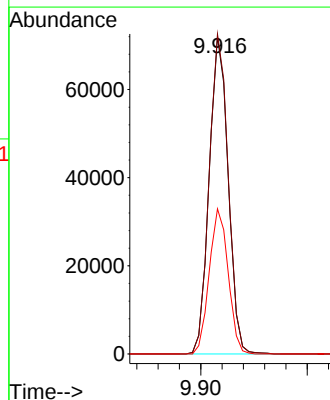
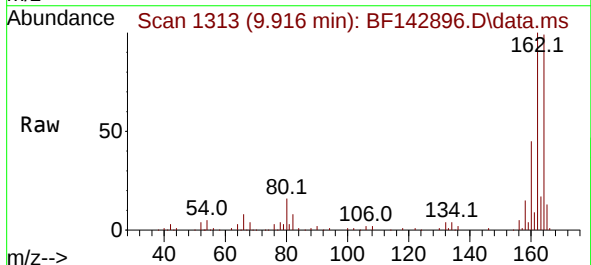
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 194290
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion:164 Resp: 88938
Ion Ratio Lower Upper
164 100
162 100.9 81.8 122.8
160 45.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 84.682 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142896.D

Acq: 27 Jun 2025 16:43

Instrument :

BNA_F

ClientSampleId :

TP-4

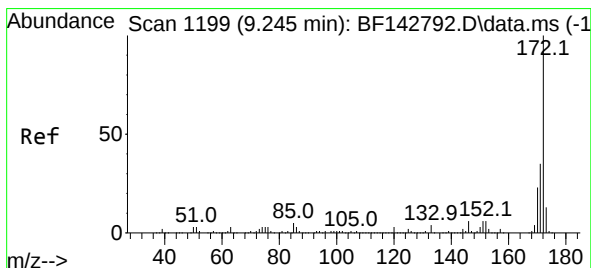
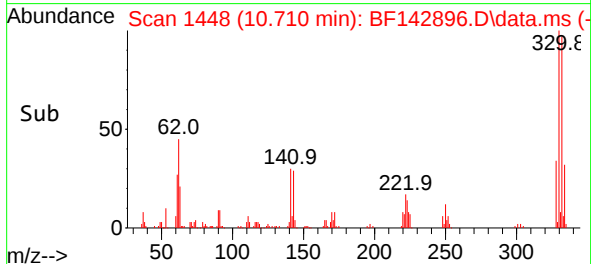
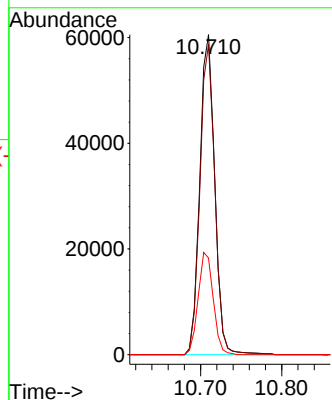
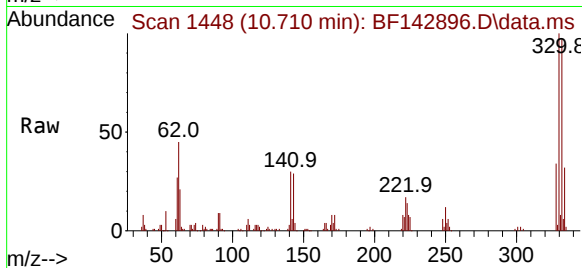
Tgt Ion:330 Resp: 77504

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 58.659 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142896.D

Acq: 27 Jun 2025 16:43

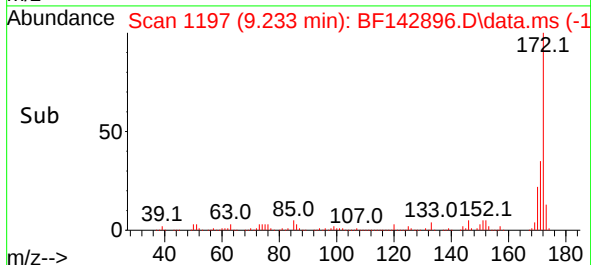
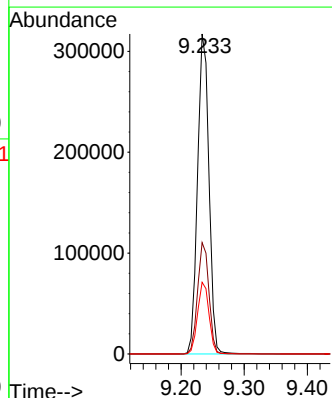
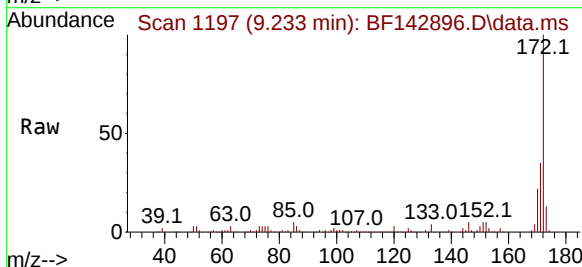
Tgt Ion:172 Resp: 397131

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.4 18.5 27.7

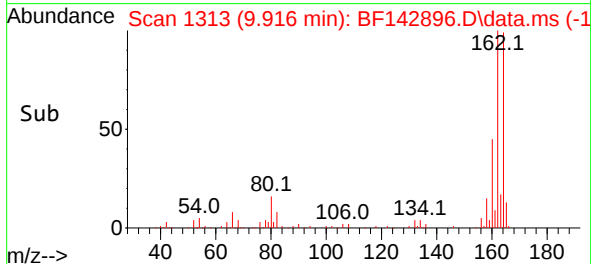
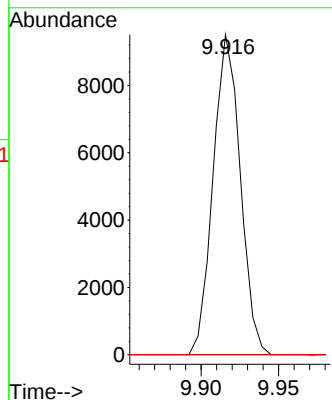
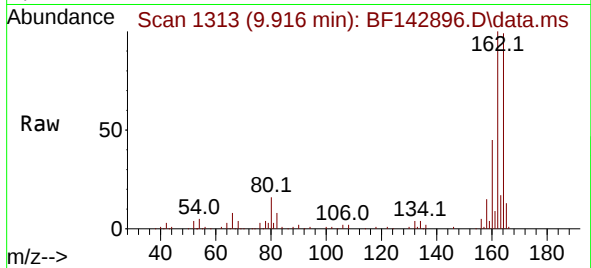




#51
2,6-Dinitrotoluene
Concen: 9.153 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

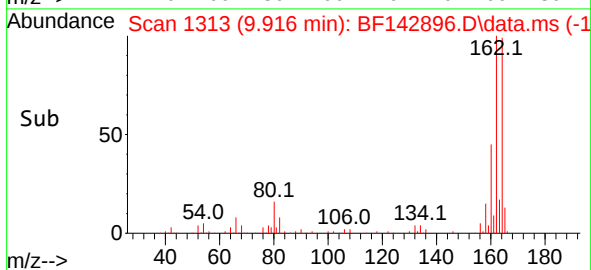
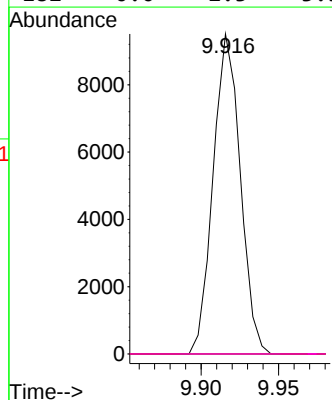
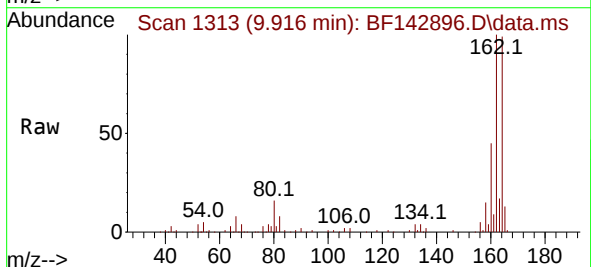
Instrument :
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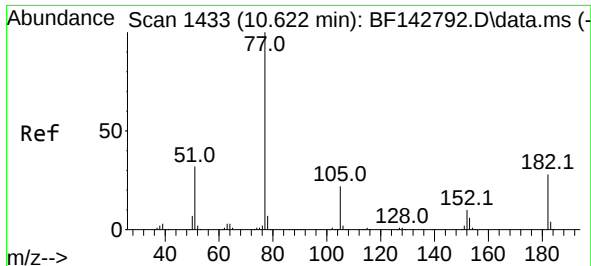
Tgt Ion:165 Resp: 11572
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.891 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion:165 Resp: 11572
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

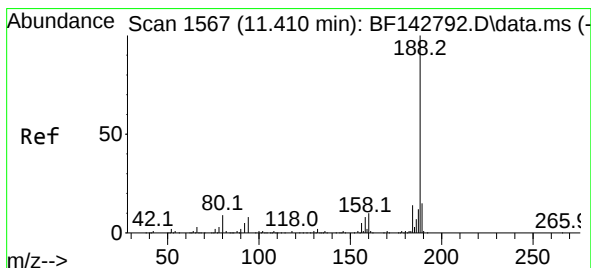
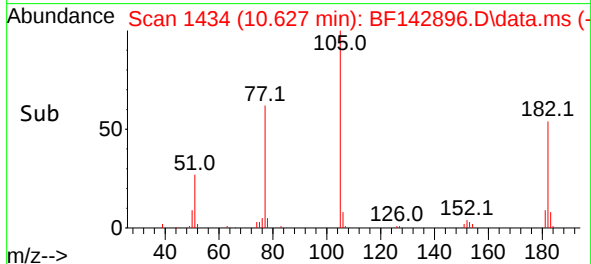
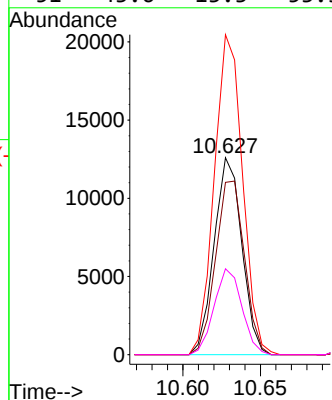
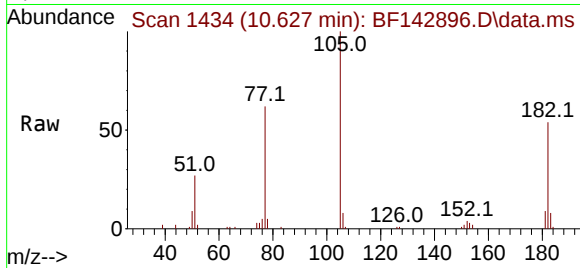




#63
Azobenzene
Concen: 3.102 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

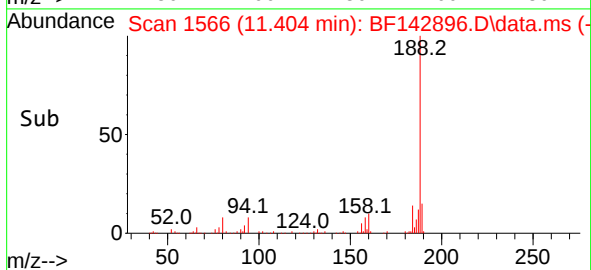
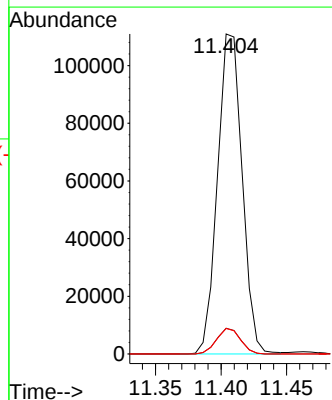
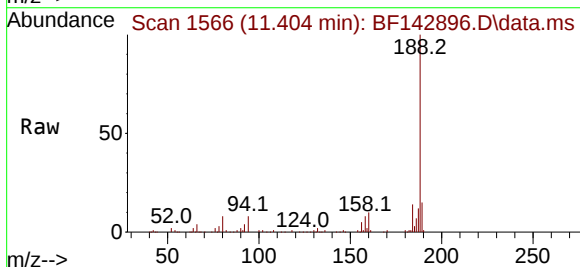
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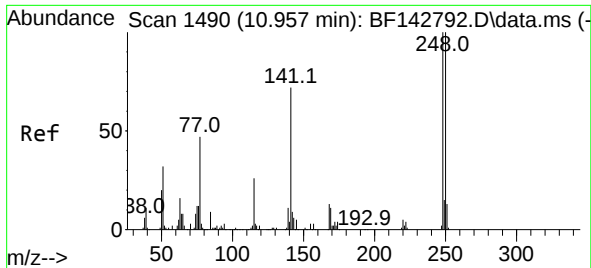
Tgt Ion: 77 Resp: 15649
Ion Ratio Lower Upper
77 100
182 87.5 7.7 47.7#
105 162.4 1.9 41.9#
51 43.6 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion: 188 Resp: 144996
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 7.9 6.9 10.3

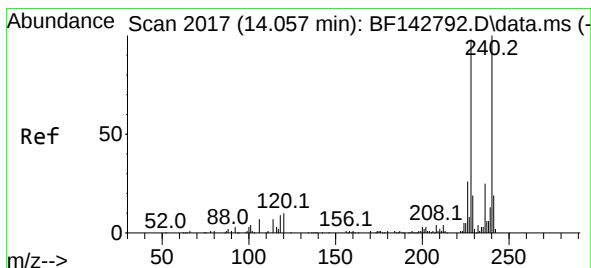
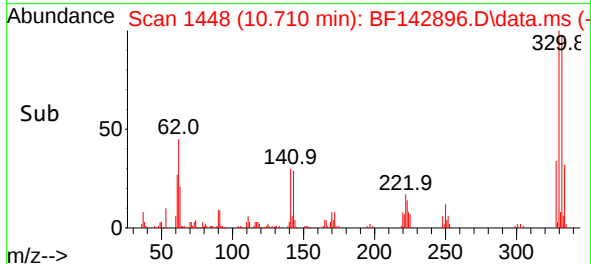
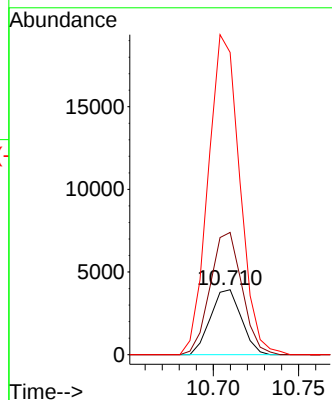
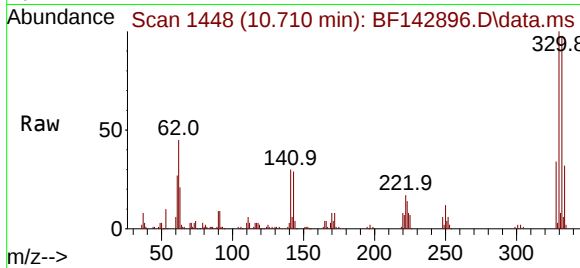




#67
4-Bromophenyl-phenylether
Concen: 3.000 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

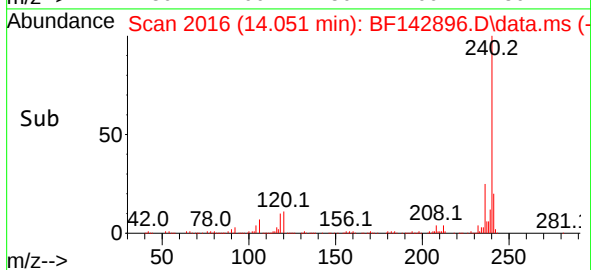
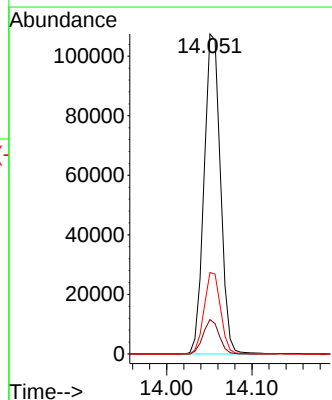
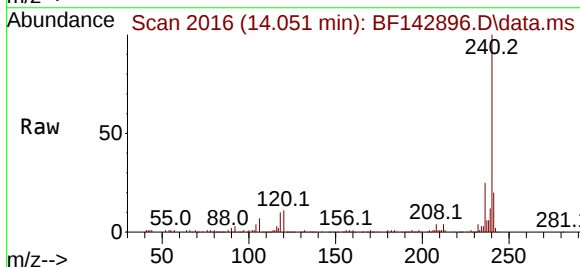
Instrument :
BNA_F
ClientSampleId :
TP-4

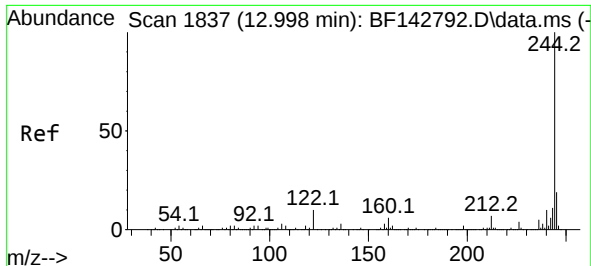
Tgt Ion:248 Resp: 4951
Ion Ratio Lower Upper
248 100
250 188.2 79.8 119.8#
141 465.6 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142896.D
Acq: 27 Jun 2025 16:43

Tgt Ion:240 Resp: 143491
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 25.4 19.8 29.8

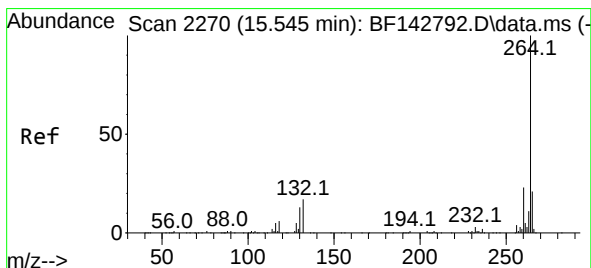
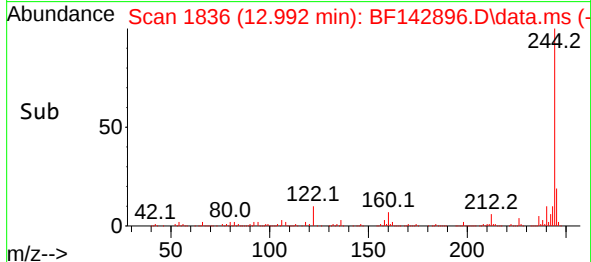
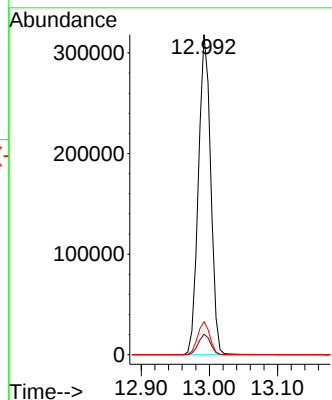
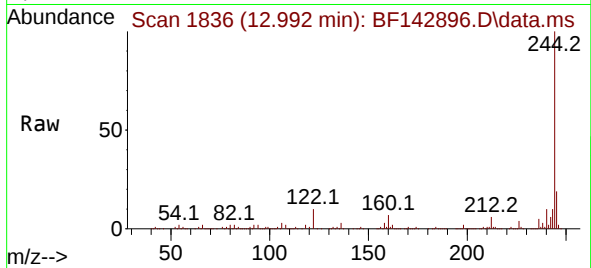




#79
 Terphenyl-d14
 Concen: 38.173 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142896.D
 Acq: 27 Jun 2025 16:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:244 Resp: 396426
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142896.D
 Acq: 27 Jun 2025 16:43

Tgt Ion:264 Resp: 102957
 Ion Ratio Lower Upper
 264 100
 260 21.9 18.1 27.1
 265 21.2 16.6 25.0

