

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140905.D
 Acq On : 18 Dec 2024 15:02
 Operator : RC/JU
 Sample : P5277-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2A

Quant Time: Dec 18 15:24:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

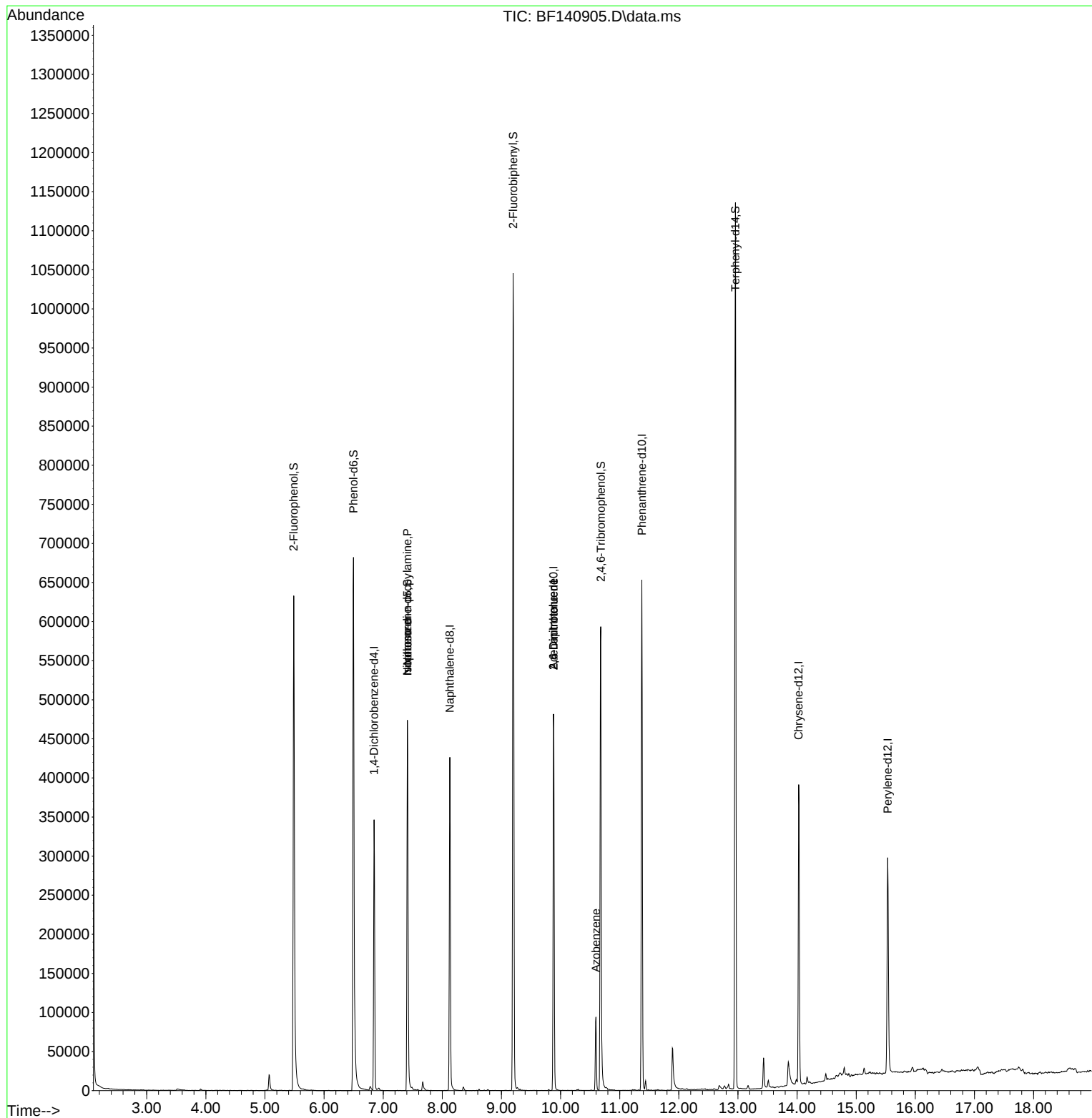
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	75903	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	277281	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	152541	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	355180	20.000	ng	0.00
76) Chrysene-d12	14.027	240	191230	20.000	ng	0.00
86) Perylene-d12	15.533	264	173762	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	287702	62.397	ng	0.00
7) Phenol-d6	6.498	99	386226	63.242	ng	0.00
23) Nitrobenzene-d5	7.410	82	230230	41.541	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	115980	64.286	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	488186	44.000	ng	0.00
79) Terphenyl-d14	12.957	244	549554	45.316	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	30740	8.391	ng	# 76
25) Isophorone	7.410	82	224990	24.228	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	19066	7.755	ng	# 20
57) 2,4-Dinitrotoluene	9.880	165	19066	5.894	ng	# 14
63) Azobenzene	10.598	77	25750	2.456	ng	# 1

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

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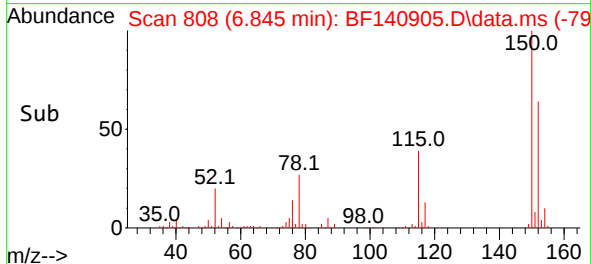
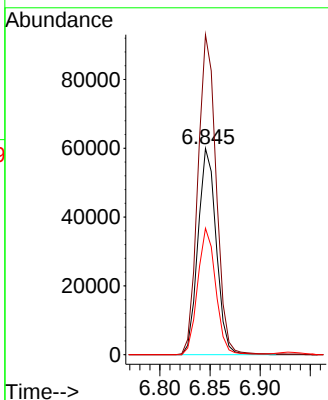
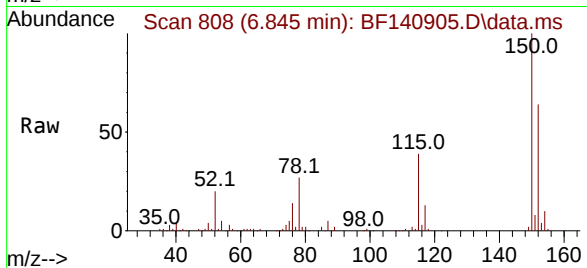




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140905.D
Acq: 18 Dec 2024 15:02

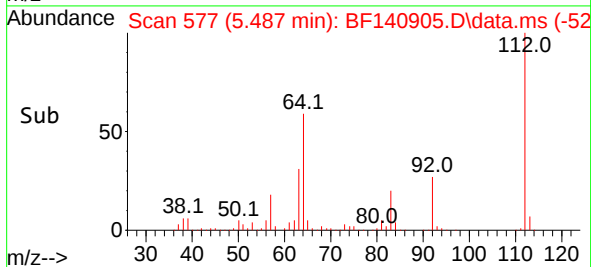
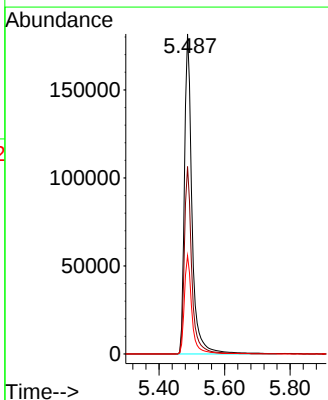
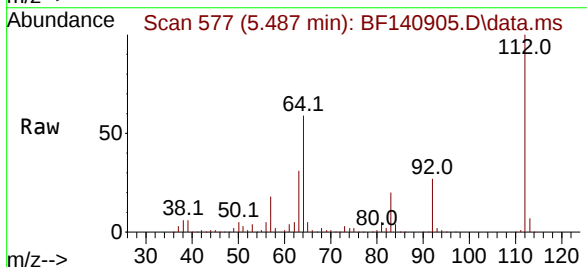
Instrument :
BNA_F
ClientSampleId :
COMP-2A

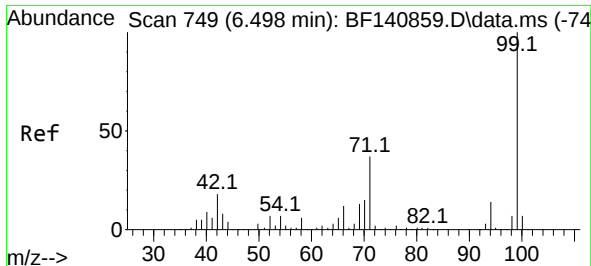
Tgt Ion:152 Resp: 75903
Ion Ratio Lower Upper
152 100
150 155.2 127.9 191.9
115 61.3 48.0 72.0



#5
2-Fluorophenol
Concen: 62.397 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF140905.D
Acq: 18 Dec 2024 15:02

Tgt Ion:112 Resp: 287702
Ion Ratio Lower Upper
112 100
64 58.5 46.1 69.1
63 30.7 24.9 37.3





#7

Phenol-d6

Concen: 63.242 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A

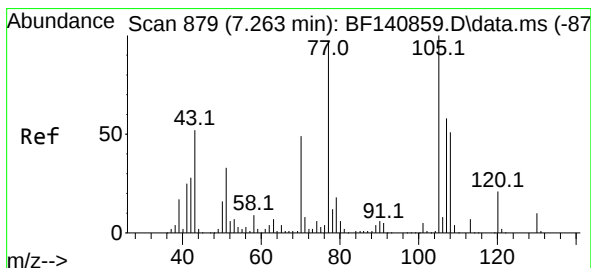
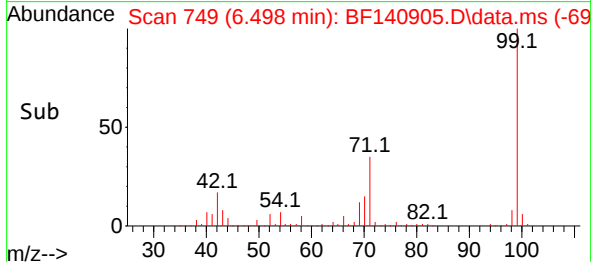
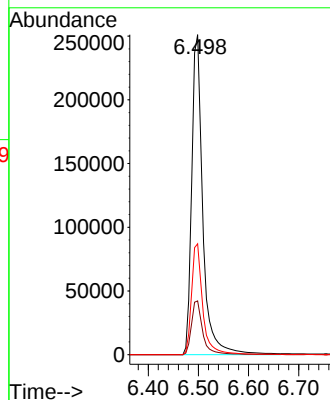
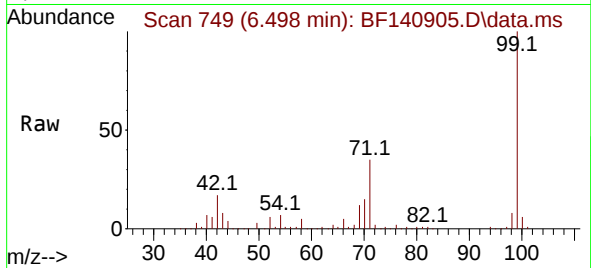
Tgt Ion: 99 Resp: 386226

Ion Ratio Lower Upper

99 100

42 16.8 14.3 21.5

71 34.7 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 8.391 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Tgt Ion: 70 Resp: 30740

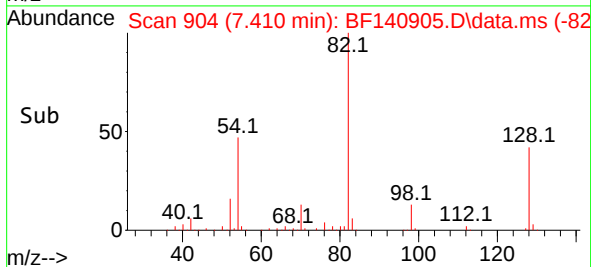
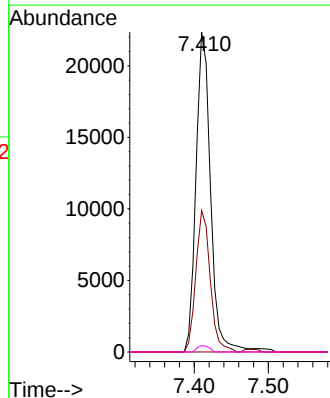
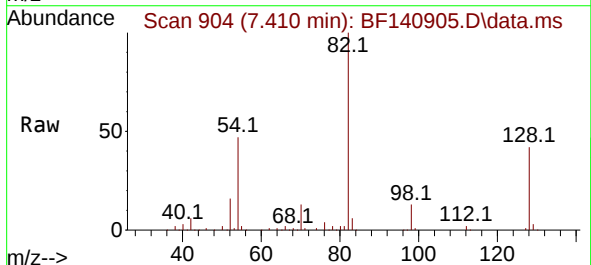
Ion Ratio Lower Upper

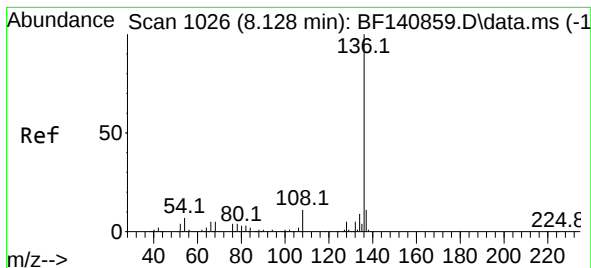
70 100

42 44.2 45.3 67.9#

101 0.0 8.0 12.0#

130 2.0 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A

Tgt Ion:136 Resp: 277281

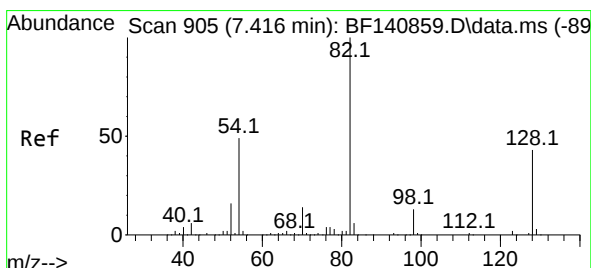
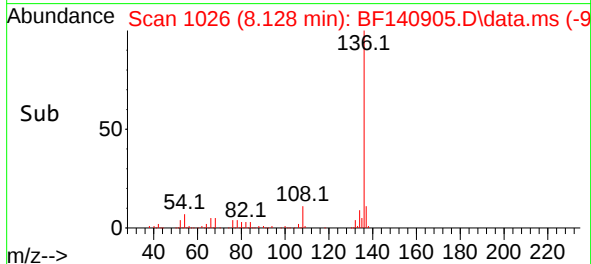
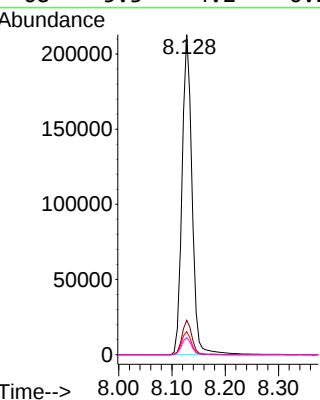
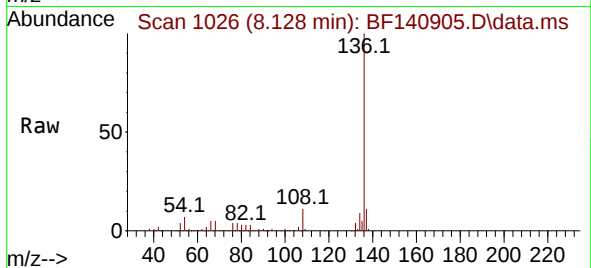
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.2 5.6 8.4

68 5.3 4.2 6.2



#23

Nitrobenzene-d5

Concen: 41.541 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

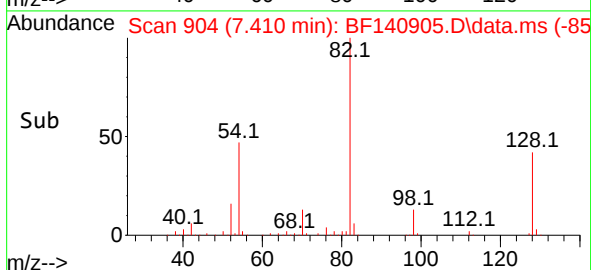
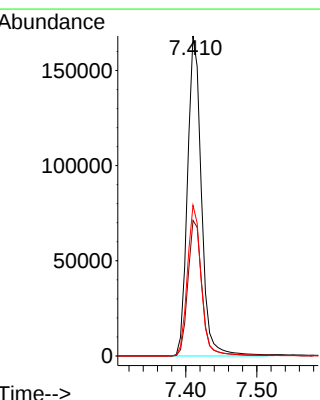
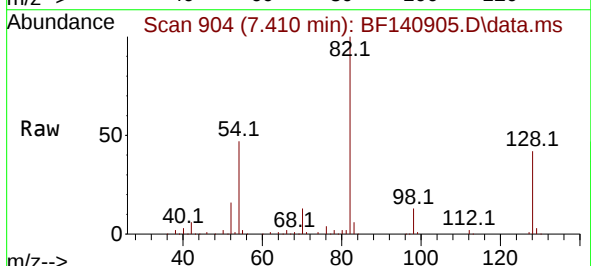
Tgt Ion: 82 Resp: 230230

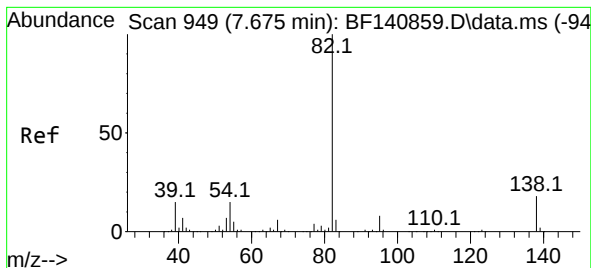
Ion Ratio Lower Upper

82 100

128 42.3 34.4 51.6

54 47.1 38.8 58.2





#25

Isophorone

Concen: 24.228 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.265 min

Lab File: BF140905.D

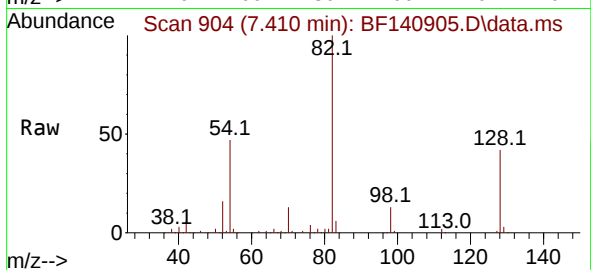
Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A



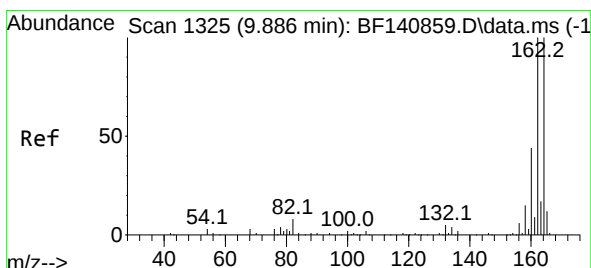
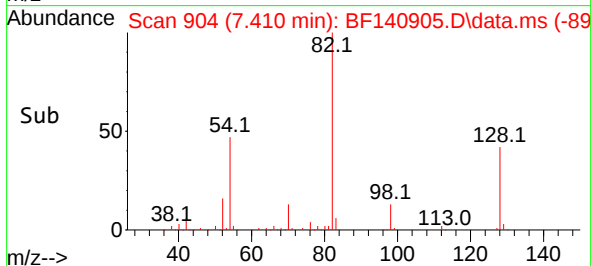
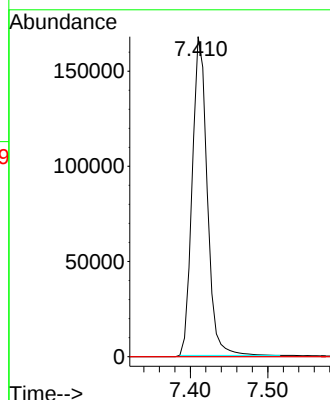
Tgt Ion: 82 Resp: 224990

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

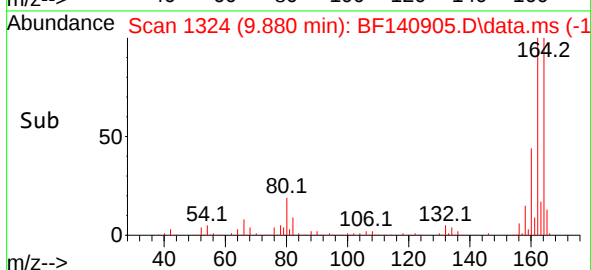
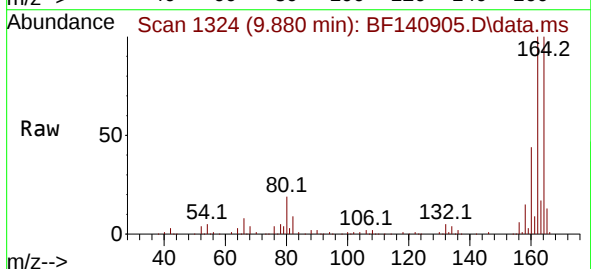
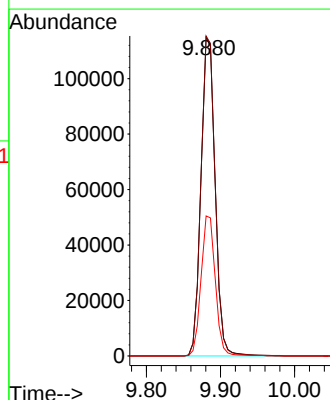
Tgt Ion:164 Resp: 152541

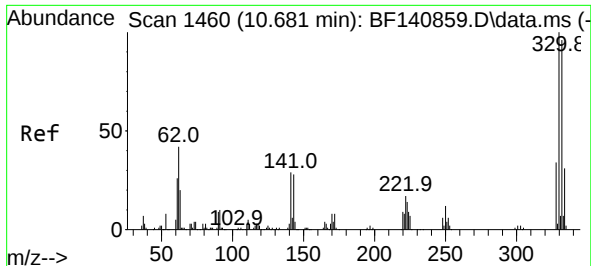
Ion Ratio Lower Upper

164 100

162 100.4 79.9 119.9

160 43.9 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 64.286 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A

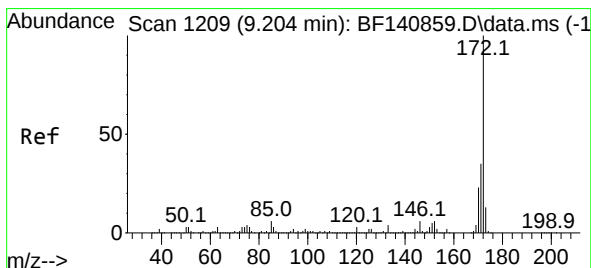
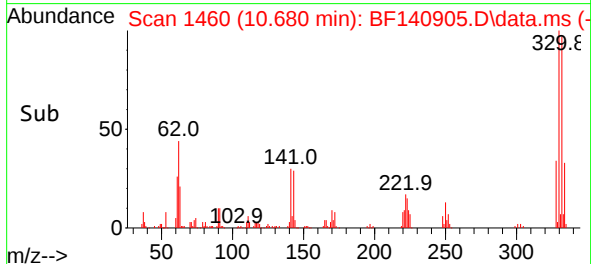
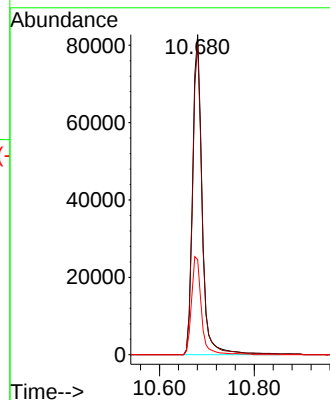
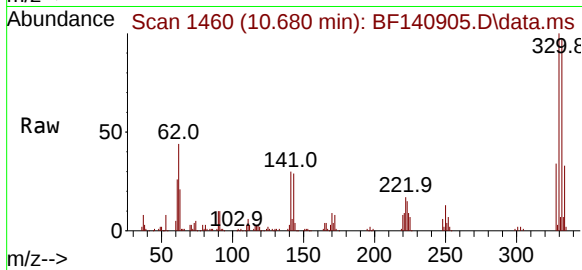
Tgt Ion:330 Resp: 115980

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 31.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 44.000 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

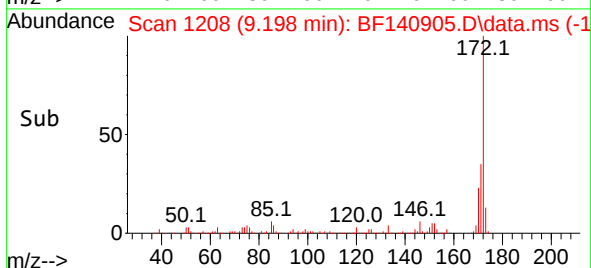
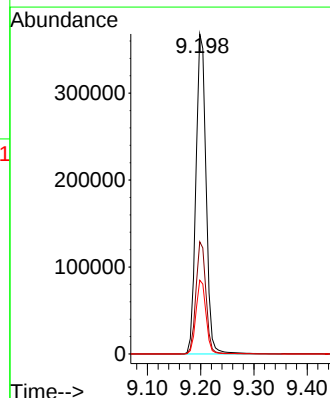
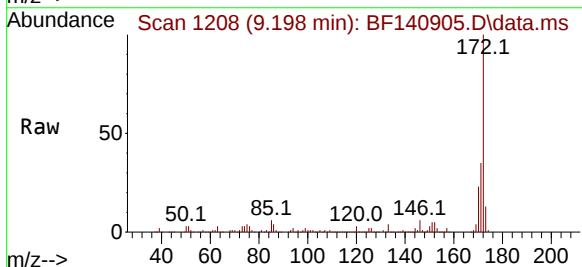
Tgt Ion:172 Resp: 488186

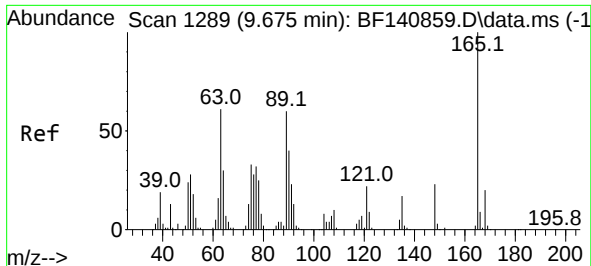
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.1 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 7.755 ng

RT: 9.880 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A

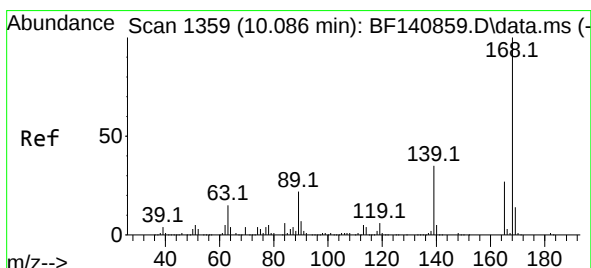
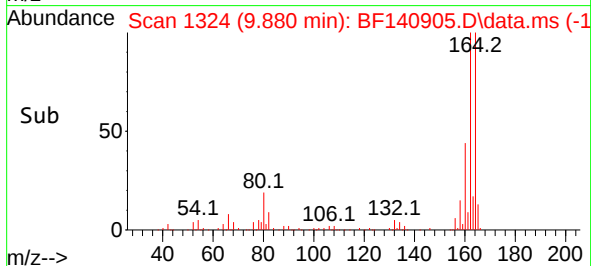
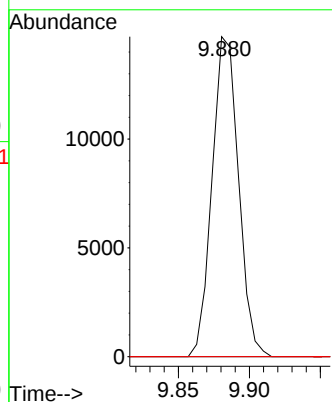
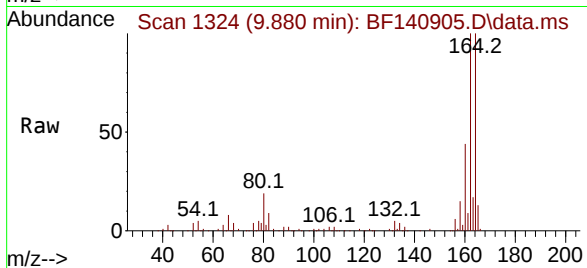
Tgt Ion:165 Resp: 19066

Ion Ratio Lower Upper

165 100

63 0.0 49.7 74.5#

89 0.0 48.2 72.4#



#57

2,4-Dinitrotoluene

Concen: 5.894 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Tgt Ion:165 Resp: 19066

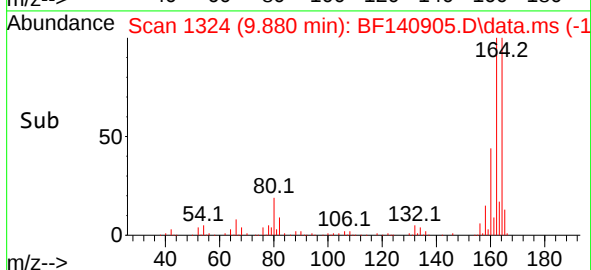
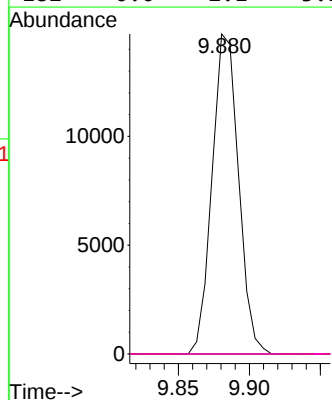
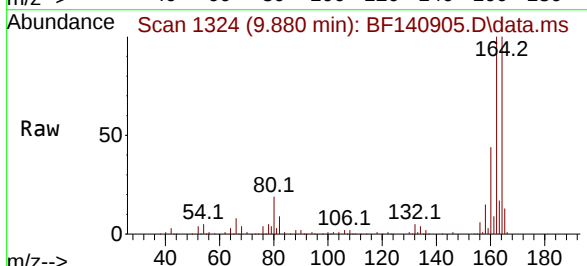
Ion Ratio Lower Upper

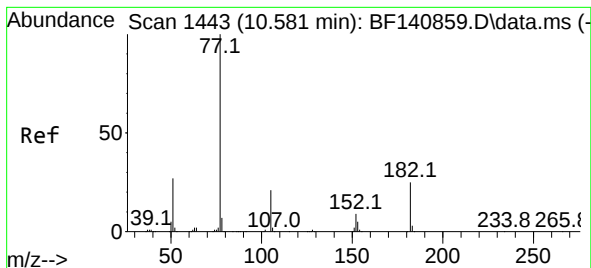
165 100

63 0.0 49.3 73.9#

89 0.0 66.2 99.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.456 ng

RT: 10.598 min Scan# 1446

Delta R.T. 0.018 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

Instrument :

BNA_F

ClientSampleId :

COMP-2A

Tgt Ion: 77 Resp: 25750

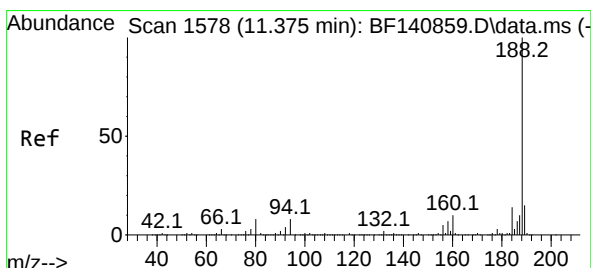
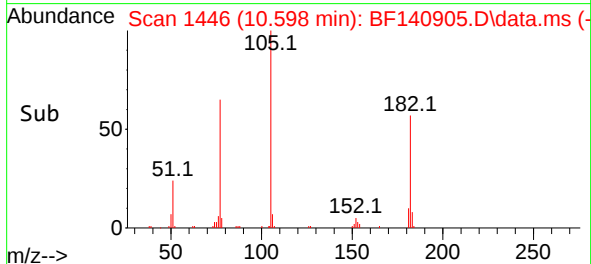
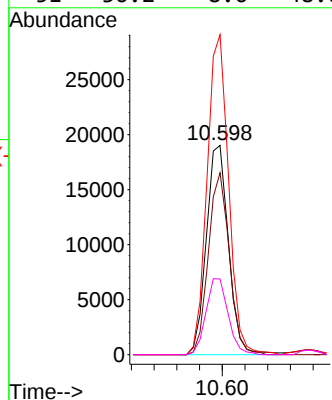
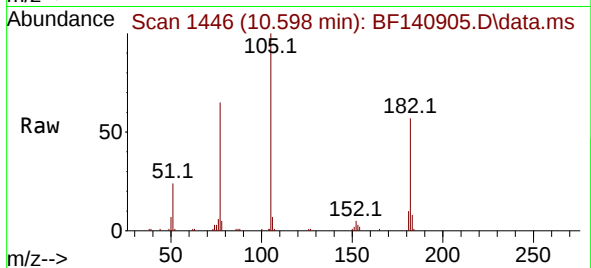
Ion Ratio Lower Upper

77 100

182 87.0 4.5 44.5#

105 152.9 0.9 40.9#

51 36.2 8.6 48.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF140905.D

Acq: 18 Dec 2024 15:02

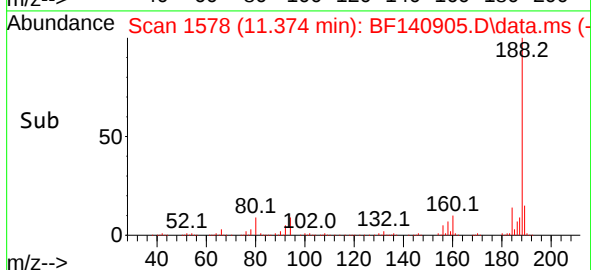
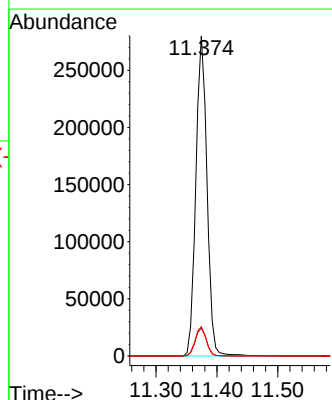
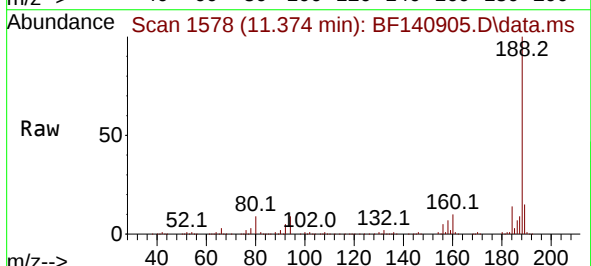
Tgt Ion: 188 Resp: 355180

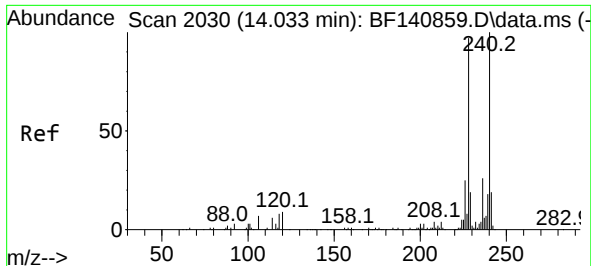
Ion Ratio Lower Upper

188 100

94 8.7 6.4 9.6

80 9.2 6.8 10.2

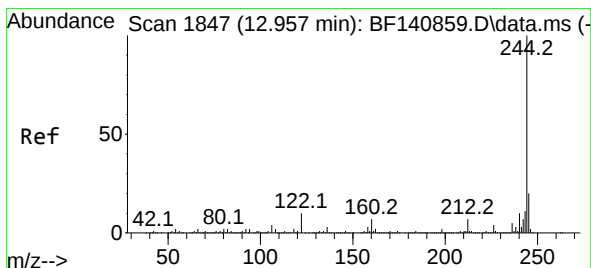
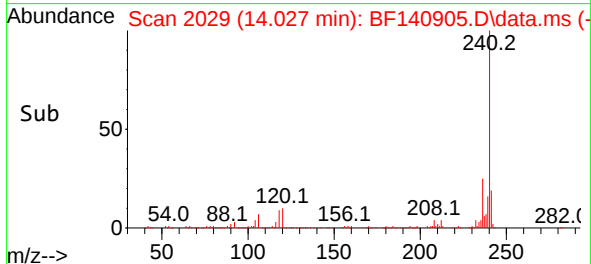
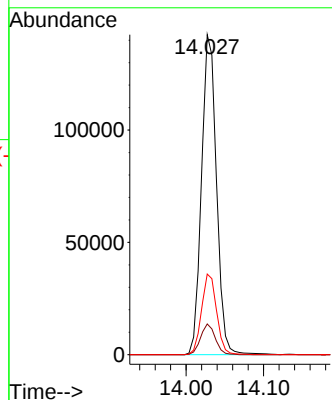
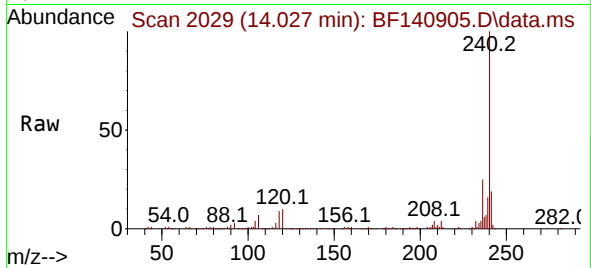




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140905.D
Acq: 18 Dec 2024 15:02

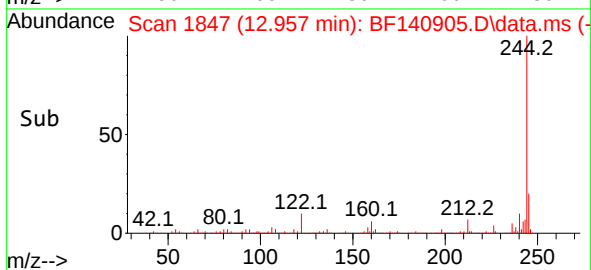
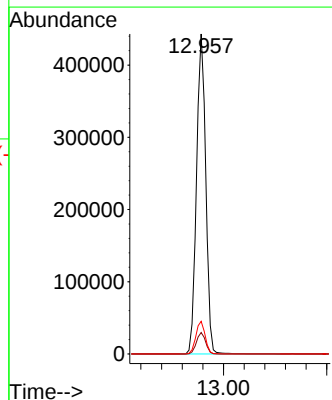
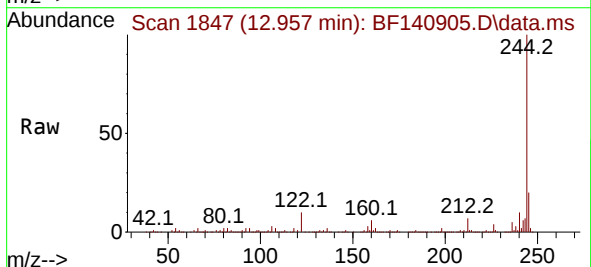
Instrument :
BNA_F
ClientSampleId :
COMP-2A

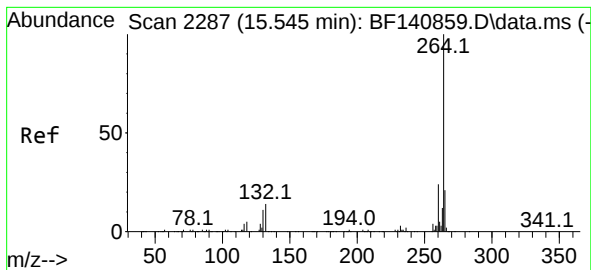
Tgt Ion:240 Resp: 191230
Ion Ratio Lower Upper
240 100
120 9.6 7.6 11.4
236 25.2 20.5 30.7



#79
Terphenyl-d14
Concen: 45.316 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140905.D
Acq: 18 Dec 2024 15:02

Tgt Ion:244 Resp: 549554
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.2 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140905.D
Acq: 18 Dec 2024 15:02

Instrument :
BNA_F
ClientSampleId :
COMP-2A

Tgt Ion:264 Resp: 173762

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	20.6	17.0	25.4

