

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133560.D
 Acq On : 02 Jun 2023 15:47
 Operator : CG\JU
 Sample : 03011-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968

Quant Time: Jun 02 17:06:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 02 17:05:55 2023
 Response via : Initial Calibration

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

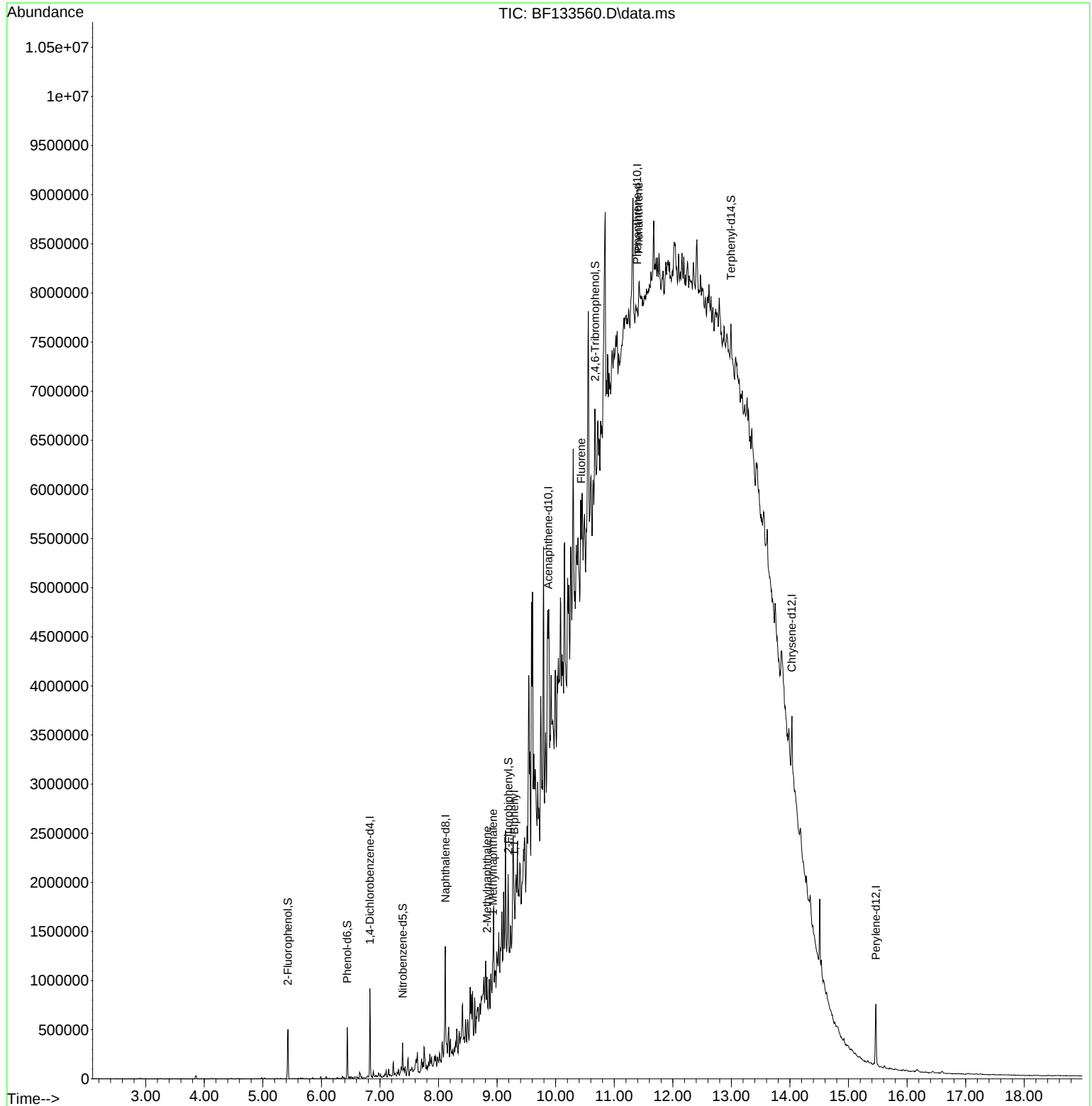
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	117160	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	427391	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	130513	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	128152	20.000	ng	# 0.04
76) Chrysene-d12	14.033	240	183044	20.000	ng	0.03
86) Perylene-d12	15.468	264	280953	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	121128	17.250	ng	0.00
7) Phenol-d6	6.440	99	144417	16.707	ng	-0.02
23) Nitrobenzene-d5	7.387	82	77207	12.062	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	15465	11.887	ng	0.01
45) 2-Fluorobiphenyl	9.192	172	150600	17.810	ng	0.00
79) Terphenyl-d14	12.992	244	78068	7.583	ng	0.04
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.828	142	90284	6.382	ng	99
38) 1-Methylnaphthalene	8.928	142	78554	5.957	ng	97
46) 1,1'-Biphenyl	9.292	154	24343	2.296	ng	95
58) Fluorene	10.433	166	39139	4.520	ng	# 53
71) Phenanthrene	11.416	178	123577	19.039	ng	# 55

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

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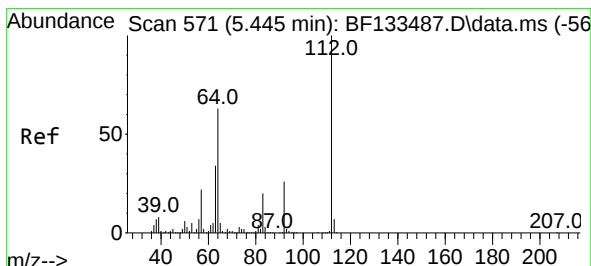
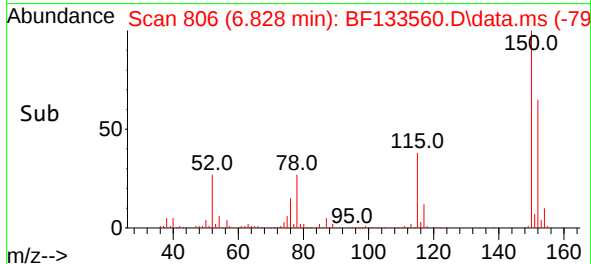
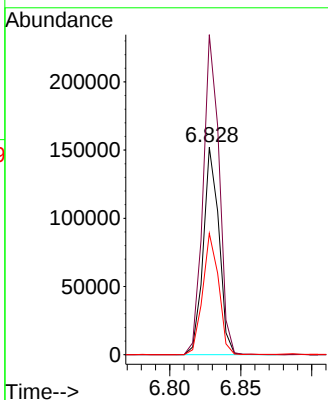
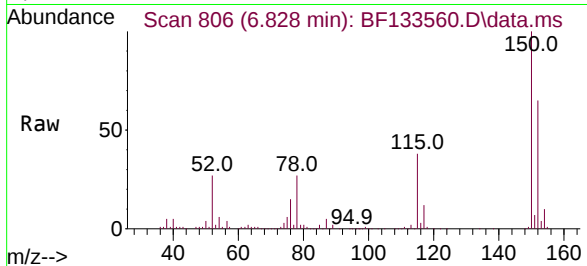




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

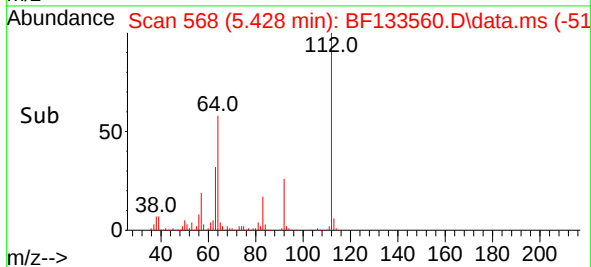
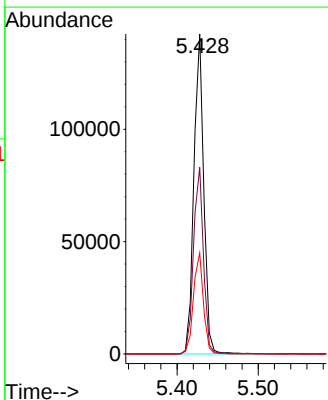
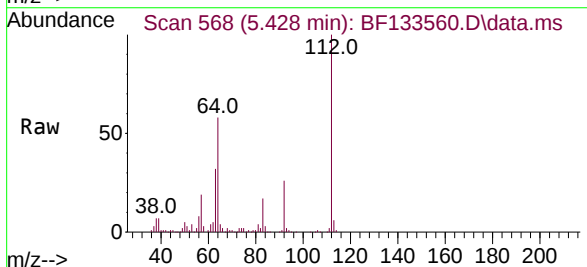
Instrument :
BNA_F
ClientSampleId :
CO-115968

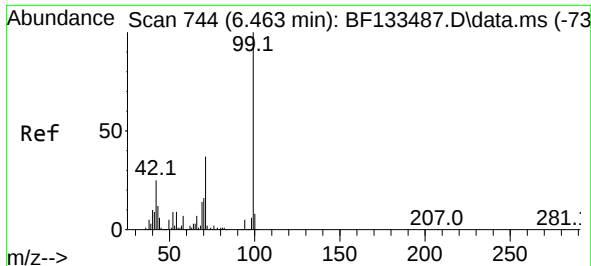
Tgt Ion:152 Resp: 117160
Ion Ratio Lower Upper
152 100
150 154.3 124.9 187.3
115 58.5 48.1 72.1



#5
2-Fluorophenol
Concen: 17.250 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:112 Resp: 121128
Ion Ratio Lower Upper
112 100
64 58.3 50.1 75.1
63 31.6 27.5 41.3

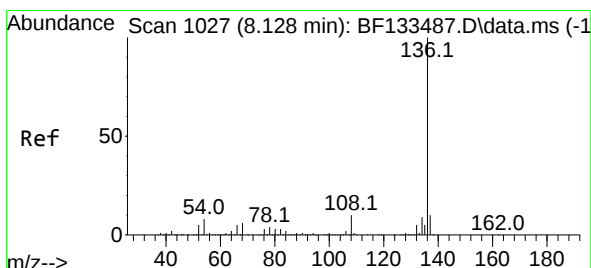
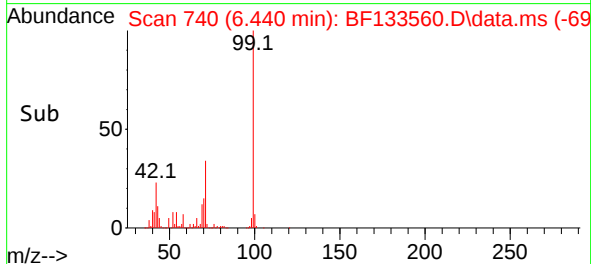
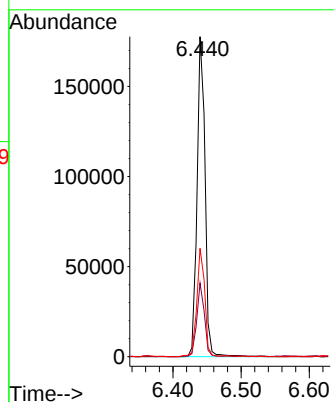
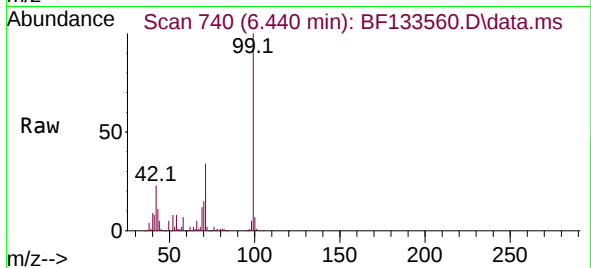




#7
Phenol-d6
Concen: 16.707 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

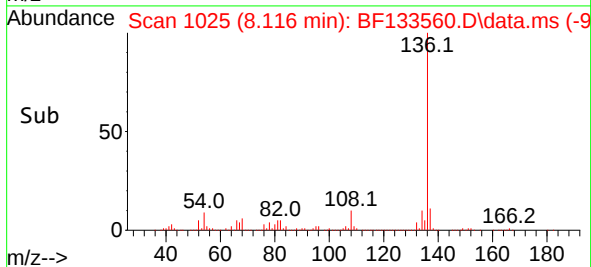
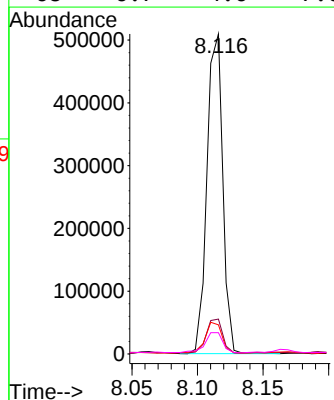
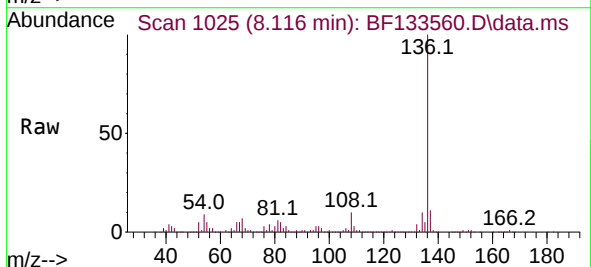
Instrument :
BNA_F
ClientSampleId :
CO-115968

Tgt Ion: 99 Resp: 144417
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 33.9 29.8 44.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion: 136 Resp: 427391
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.1 6.6 10.0
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 12.062 ng

RT: 7.387 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

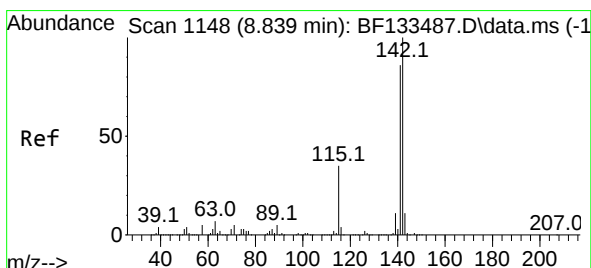
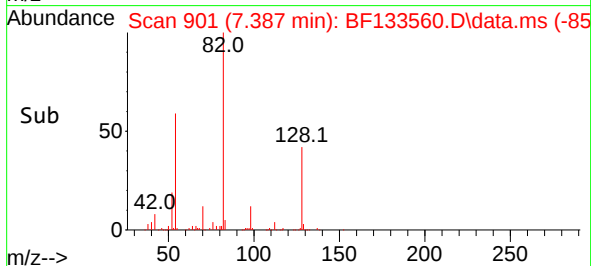
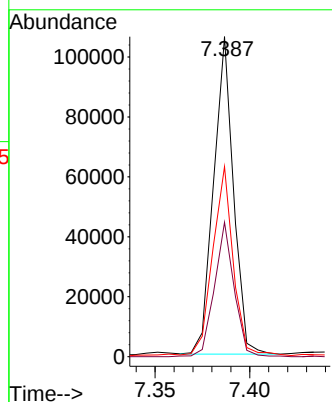
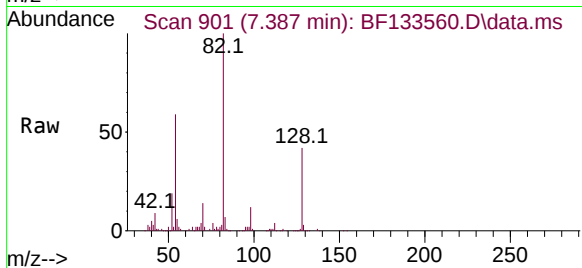
Tgt Ion: 82 Resp: 77207

Ion Ratio Lower Upper

82 100

128 42.0 34.2 51.4

54 59.4 48.2 72.4



#37

2-Methylnaphthalene

Concen: 6.382 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133560.D

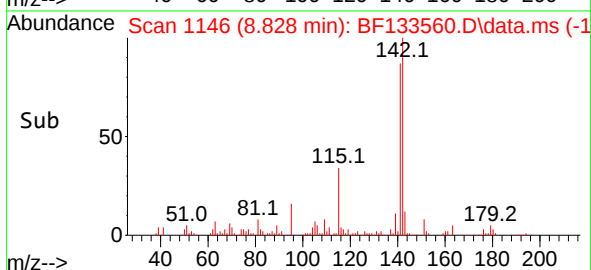
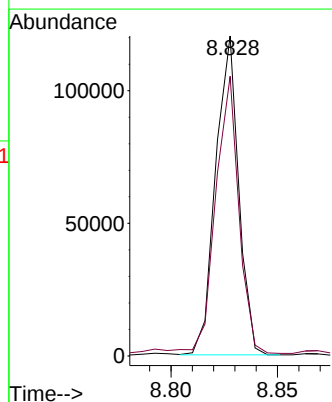
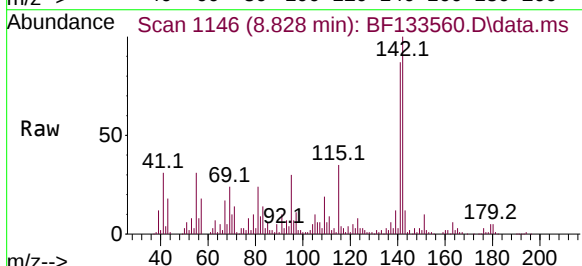
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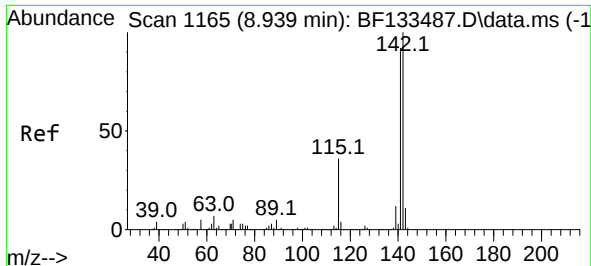
Tgt Ion: 142 Resp: 90284

Ion Ratio Lower Upper

142 100

141 87.4 69.2 103.8

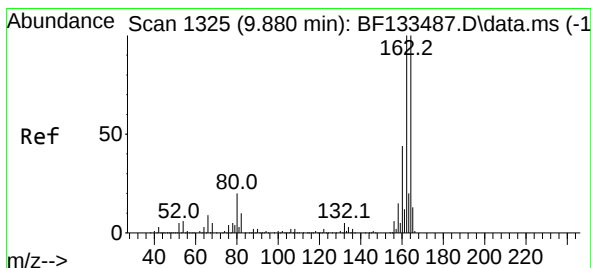
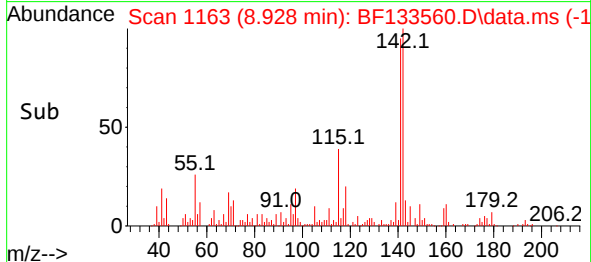
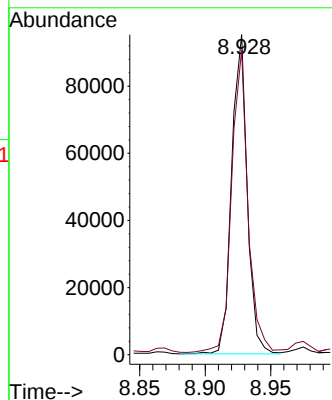
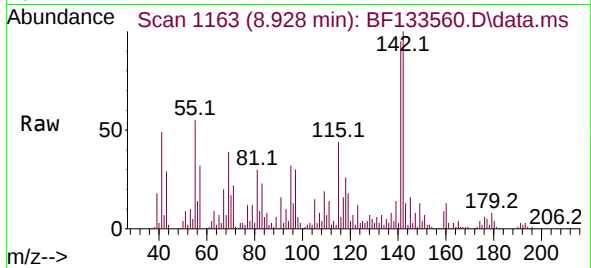




#38
1-Methylnaphthalene
Concen: 5.957 ng
RT: 8.928 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

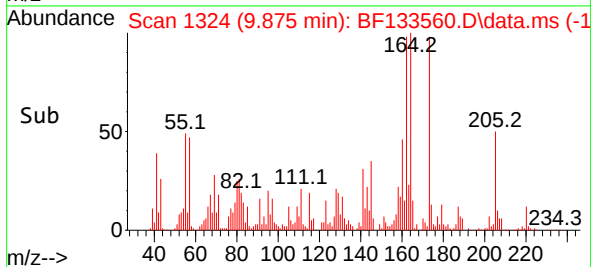
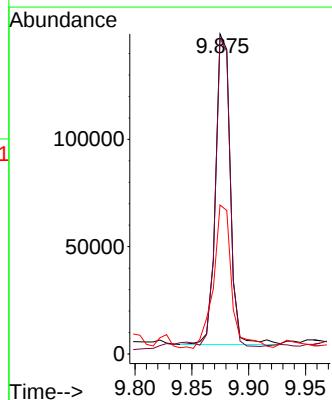
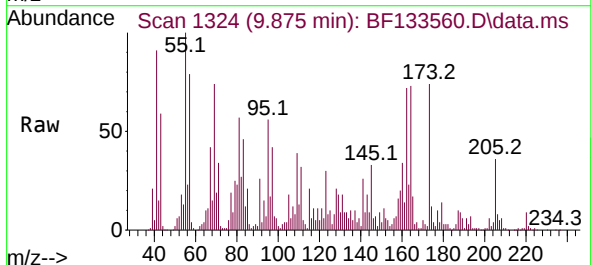
Instrument :
BNA_F
ClientSampleId :
CO-115968

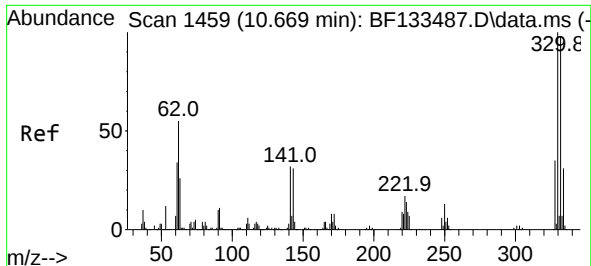
Tgt Ion:142 Resp: 78554
Ion Ratio Lower Upper
142 100
141 95.3 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:164 Resp: 130513
Ion Ratio Lower Upper
164 100
162 98.7 79.7 119.5
160 46.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 11.887 ng

RT: 10.675 min Scan# 1459

Delta R.T. 0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

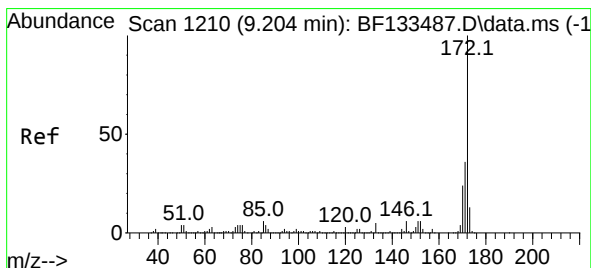
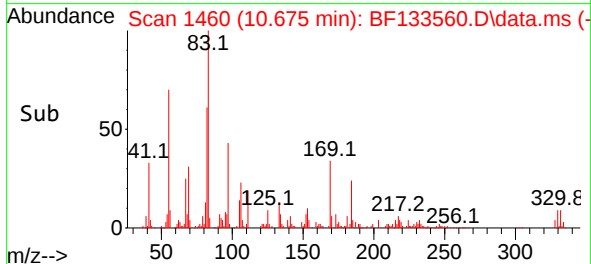
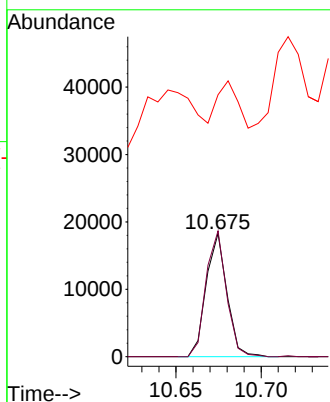
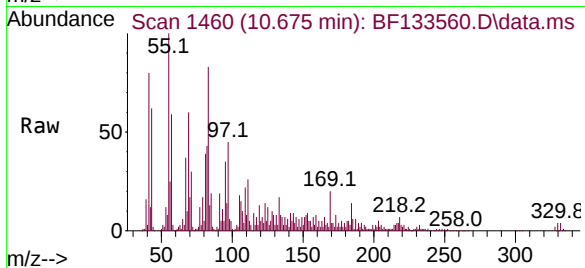
Tgt Ion:330 Resp: 15465

Ion Ratio Lower Upper

330 100

332 100.4 77.8 116.6

141 36.4 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 17.810 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

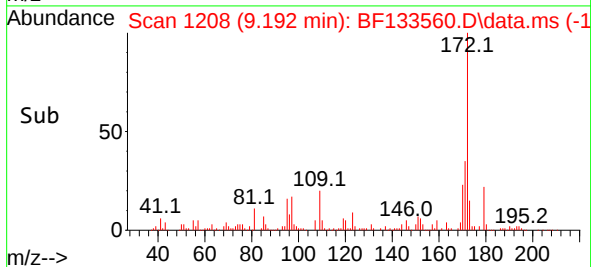
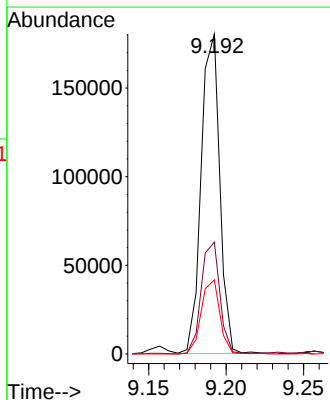
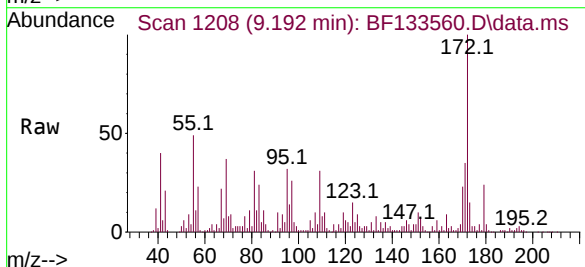
Tgt Ion:172 Resp: 150600

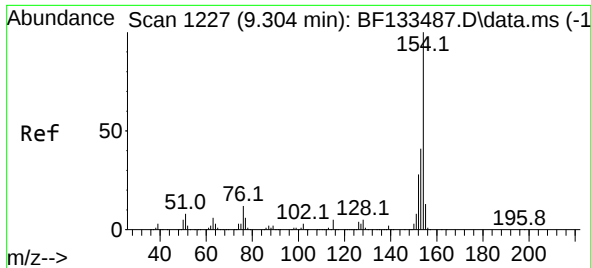
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.2 19.3 28.9

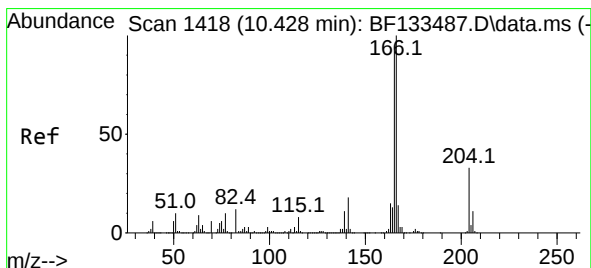
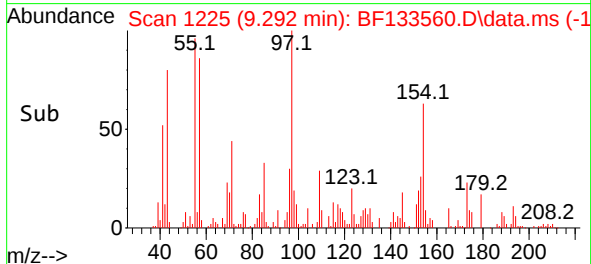
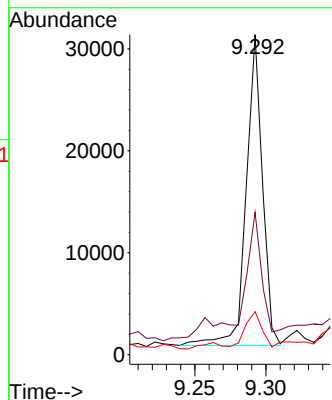
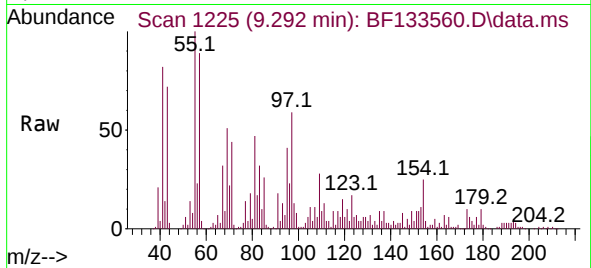




#46
1,1'-Biphenyl
Concen: 2.296 ng
RT: 9.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

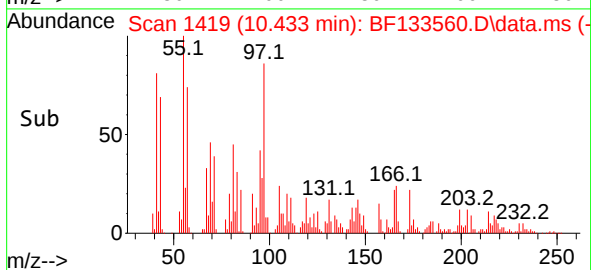
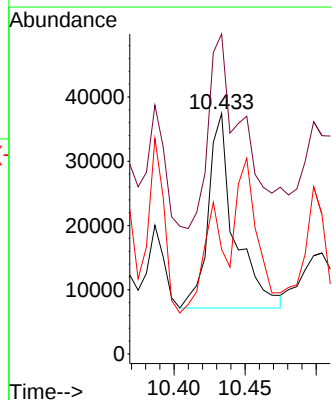
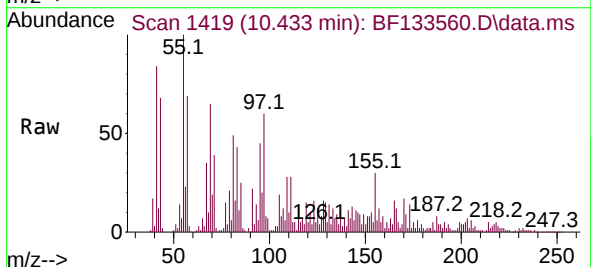
Instrument :
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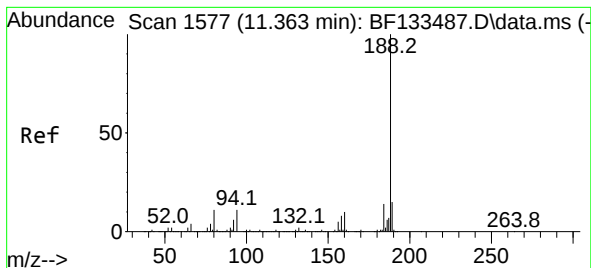
Tgt Ion:154 Resp: 24343
Ion Ratio Lower Upper
154 100
153 44.5 21.0 61.0
76 13.4 0.0 32.5



#58
Fluorene
Concen: 4.520 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.012 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:166 Resp: 39139
Ion Ratio Lower Upper
166 100
165 133.0 73.4 110.0#
167 43.5 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

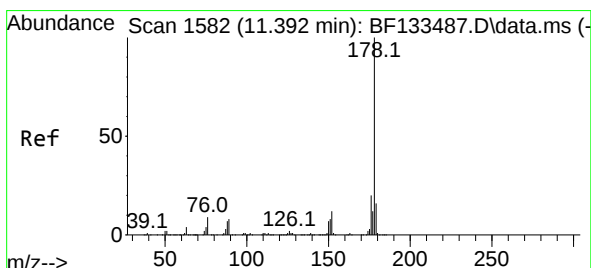
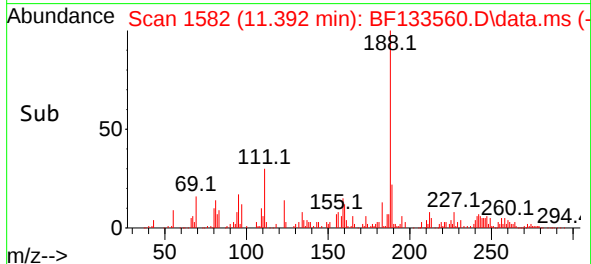
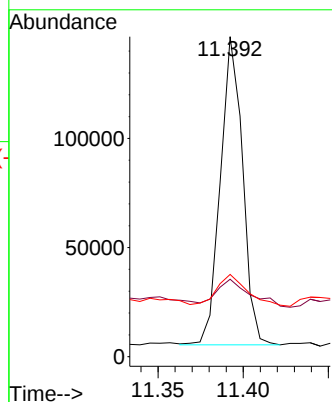
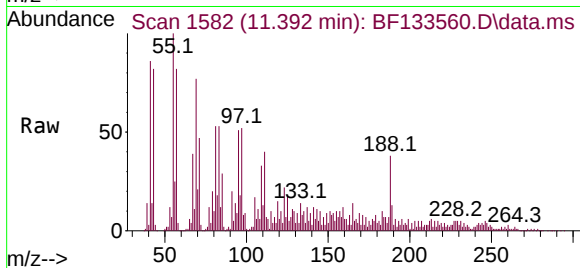
Tgt Ion:188 Resp: 128152

Ion Ratio Lower Upper

188 100

94 24.2 8.6 12.8#

80 25.7 9.2 13.8#



#71

Phenanthrene

Concen: 19.039 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.030 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

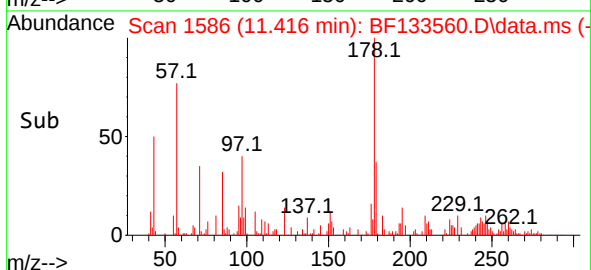
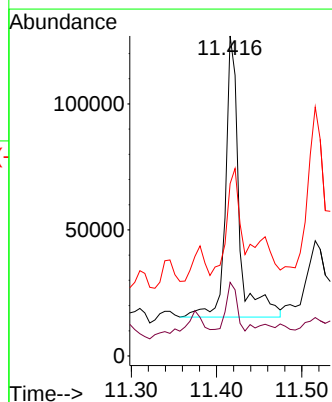
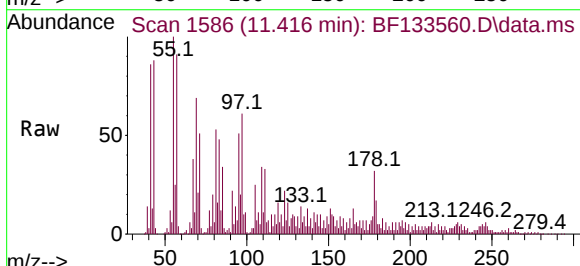
Tgt Ion:178 Resp: 123577

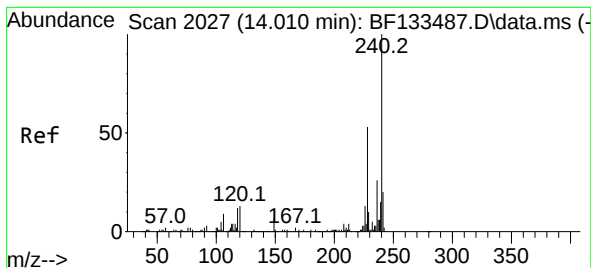
Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 53.9 12.4 18.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

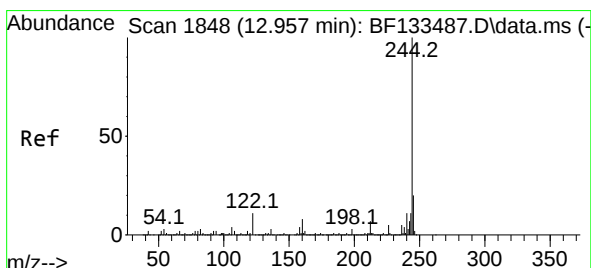
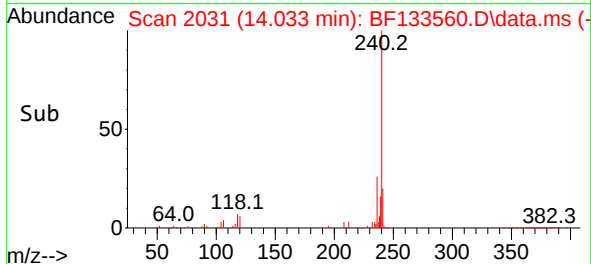
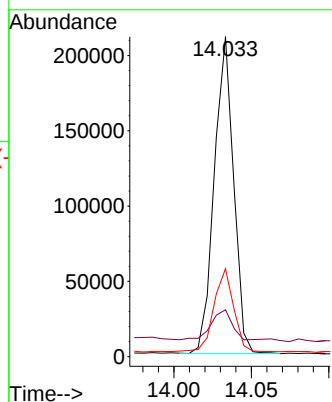
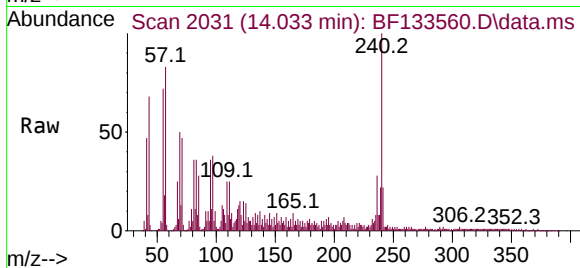
Tgt Ion:240 Resp: 183044

Ion Ratio Lower Upper

240 100

120 14.7 10.3 15.5

236 27.5 20.5 30.7



#79

Terphenyl-d14

Concen: 7.583 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.041 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

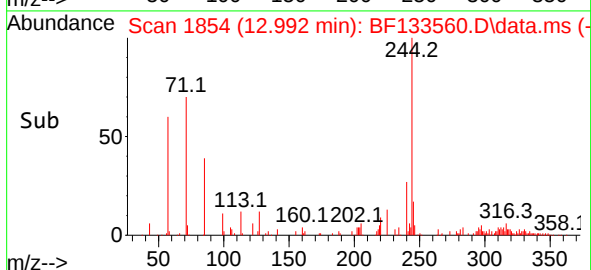
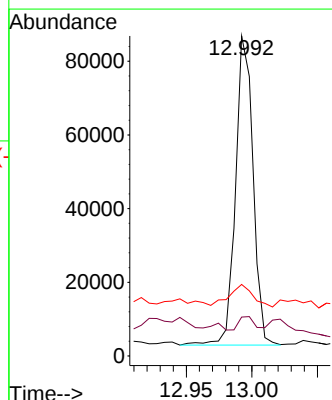
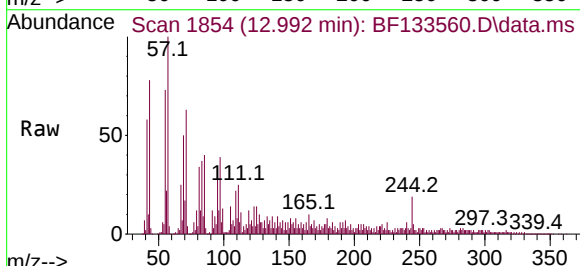
Tgt Ion:244 Resp: 78068

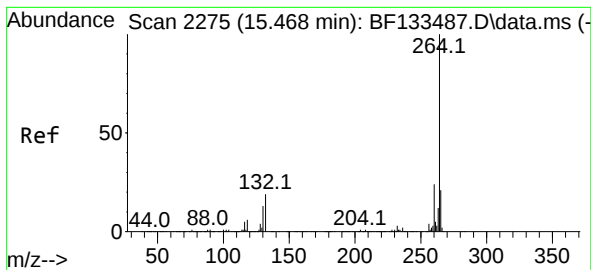
Ion Ratio Lower Upper

244 100

212 12.2 5.8 8.6#

122 22.4 8.5 12.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133560.D

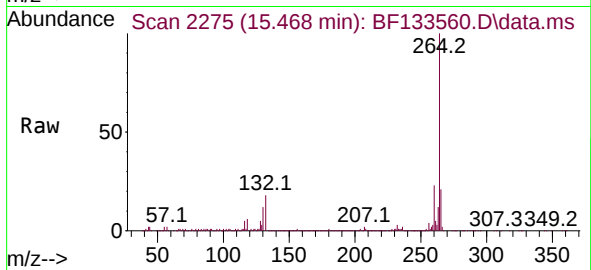
Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968



Tgt Ion:264 Resp: 280953

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 21.2 16.8 25.2

