

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139426.D
 Acq On : 18 Sep 2024 14:45
 Operator : RC/JU
 Sample : P4015-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1-TANK17

Quant Time: Sep 18 15:18:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

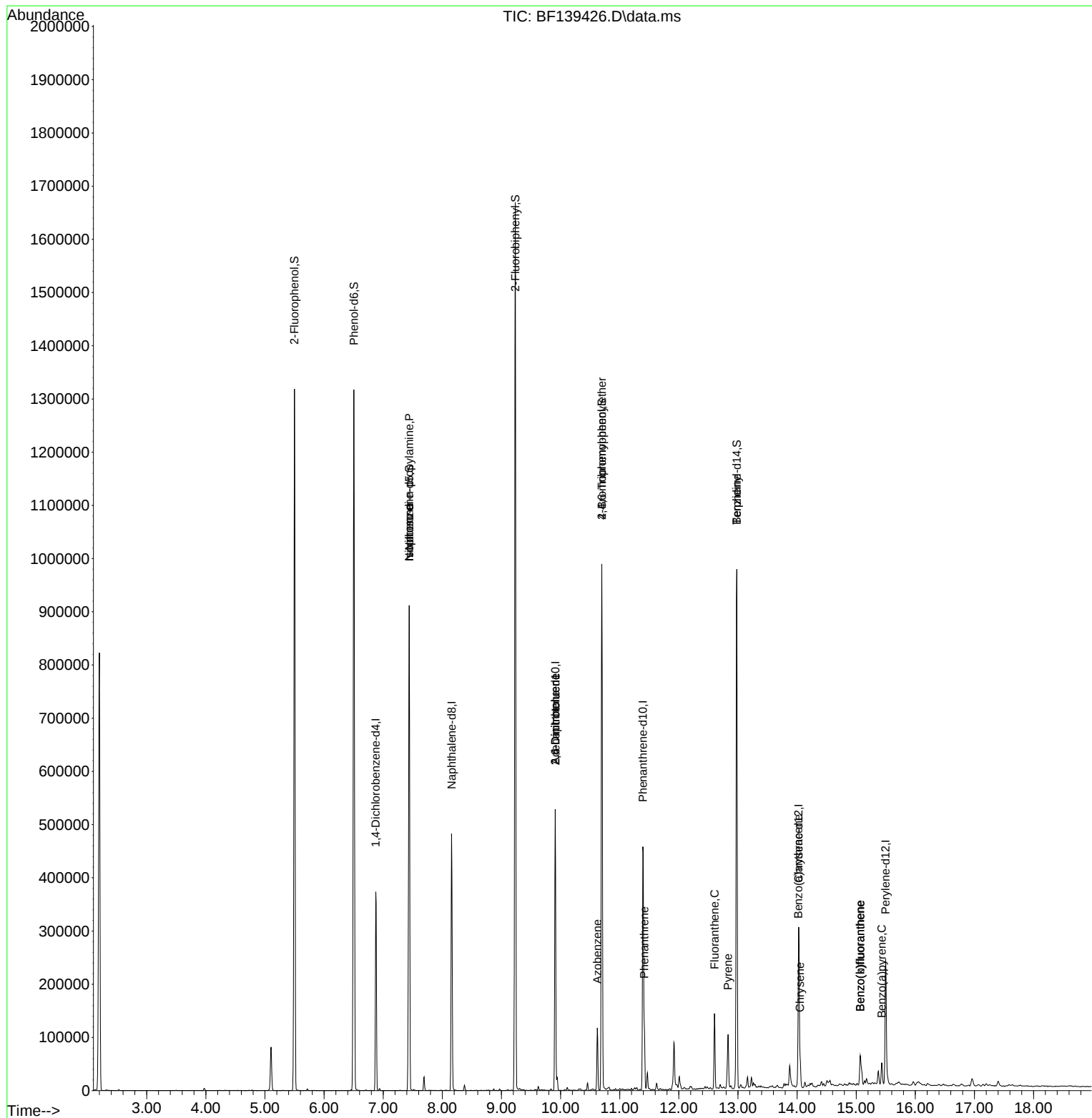
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	72138	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	274413	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	149302	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	247633	20.000	ng	0.00
76) Chrysene-d12	14.027	240	117181	20.000	ng	0.00
86) Perylene-d12	15.498	264	135289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	425778	96.286	ng	0.00
7) Phenol-d6	6.504	99	565020	97.347	ng	0.00
23) Nitrobenzene-d5	7.439	82	388327	66.527	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	141591	89.079	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	699947	65.752	ng	0.00
79) Terphenyl-d14	12.980	244	460200	64.462	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	54425	15.824	ng	# 75
25) Isophorone	7.439	82	386908	41.912	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	18811	8.665	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	18811	6.418	ng	# 16
63) Azobenzene	10.622	77	29603	2.976	ng	# 3
67) 4-Bromophenyl-phenylether	10.698	248	10065	4.102	ng	# 1
71) Phenanthrene	11.416	178	57111	4.780	ng	99
75) Fluoranthene	12.604	202	79974	6.268	ng	98
77) Benzidine	12.980	184	7037	4.192	ng	# 95
78) Pyrene	12.833	202	58265	5.791	ng	98
81) Benzo(a)anthracene	14.021	228	34567	4.453	ng	96
83) Chrysene	14.051	228	23524	3.294	ng	94
88) Benzo(b)fluoranthene	15.068	252	48509	5.814	ng	# 97
89) Benzo(k)fluoranthene	15.068	252	48509	6.305	ng	# 96
90) Benzo(a)pyrene	15.433	252	24361	3.520	ng	# 95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139426.D
Acq On : 18 Sep 2024 14:45
Operator : RC/JU
Sample : P4015-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

Quant Time: Sep 18 15:18:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

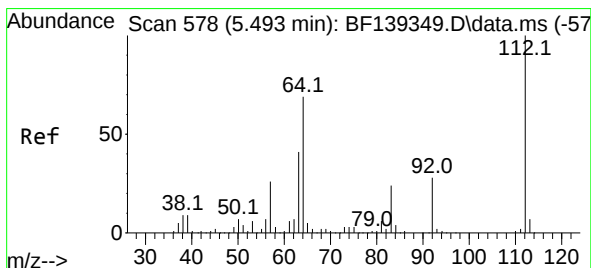
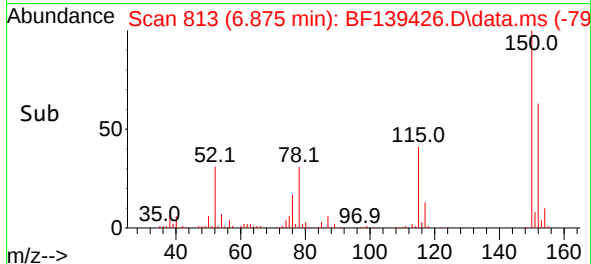
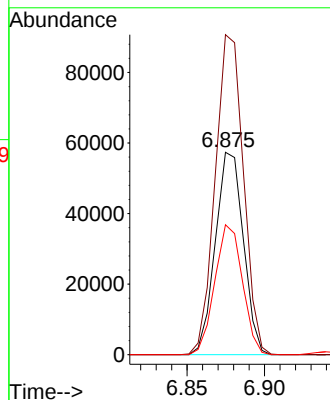
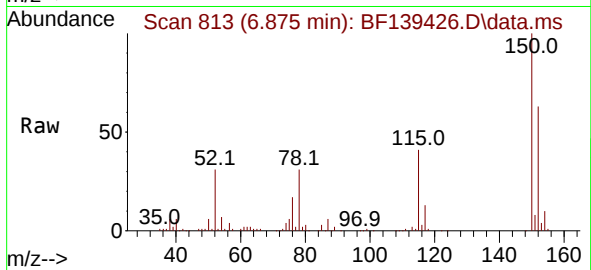




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

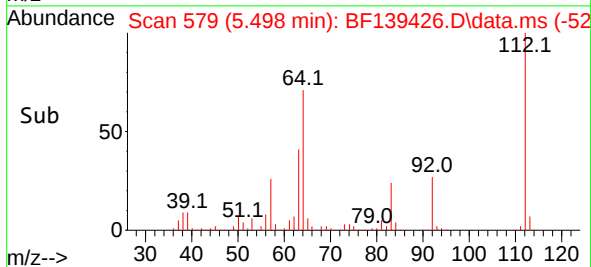
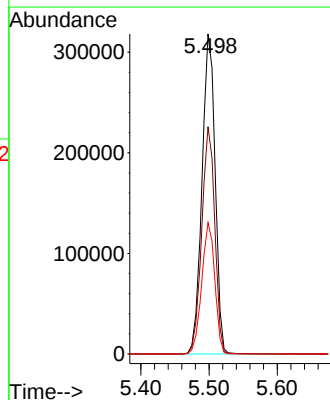
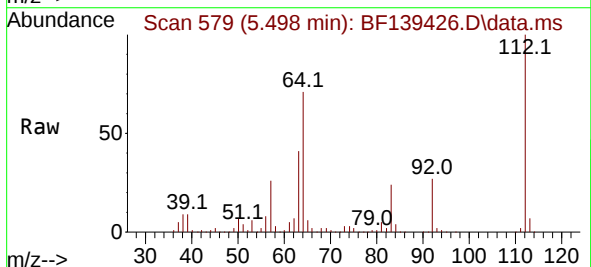
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

Tgt Ion:152 Resp: 72138
Ion Ratio Lower Upper
152 100
150 158.2 124.1 186.1
115 64.3 48.1 72.1



#5
2-Fluorophenol
Concen: 96.286 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:112 Resp: 425778
Ion Ratio Lower Upper
112 100
64 71.0 54.8 82.2
63 41.1 33.0 49.4

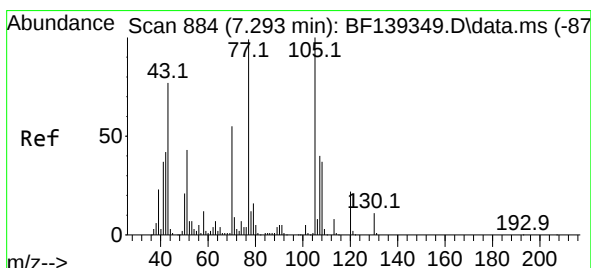
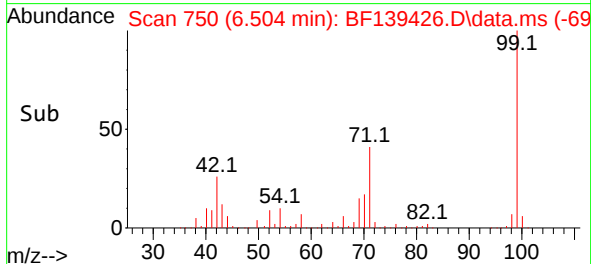
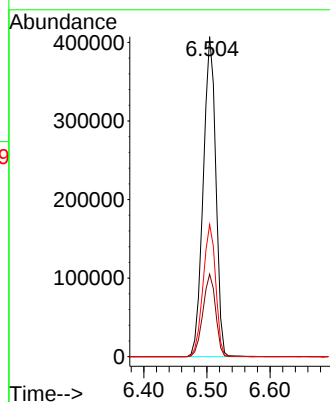
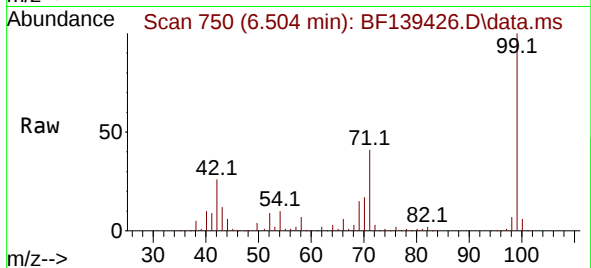




#7
Phenol-d6
Concen: 97.347 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

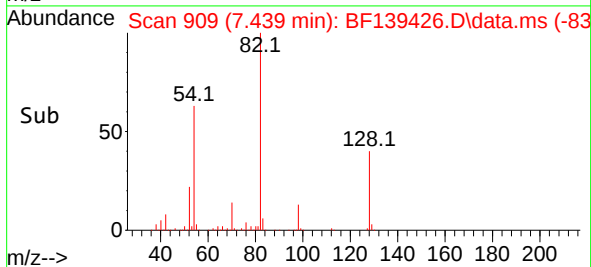
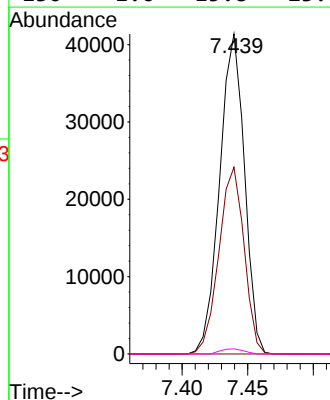
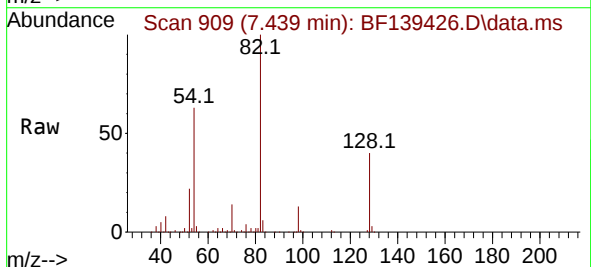
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

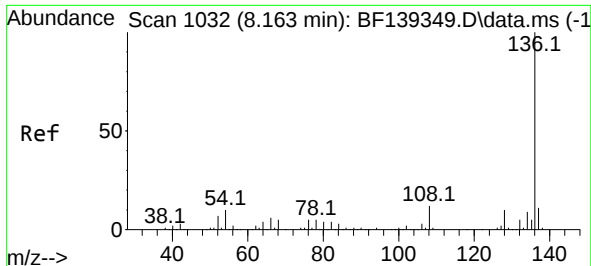
Tgt Ion: 99 Resp: 565020
Ion Ratio Lower Upper
99 100
42 25.8 21.9 32.9
71 41.3 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.824 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion: 70 Resp: 54425
Ion Ratio Lower Upper
70 100
42 58.3 61.2 91.8#
101 0.0 7.5 11.3#
130 1.6 15.8 23.8#

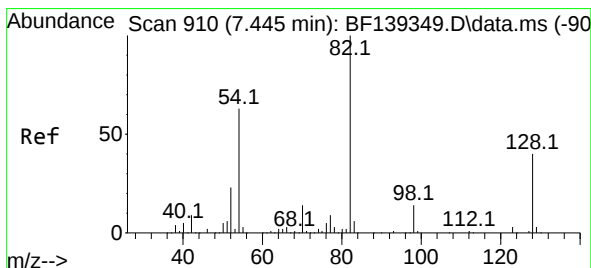
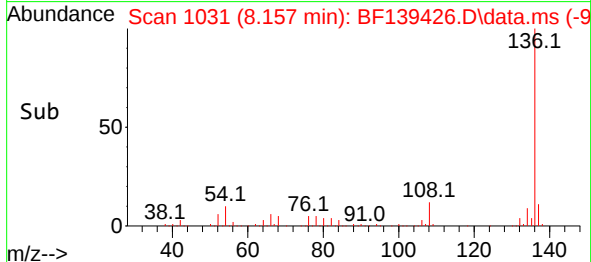
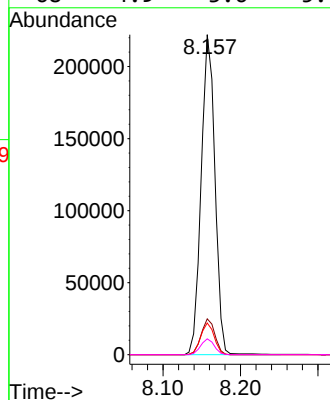
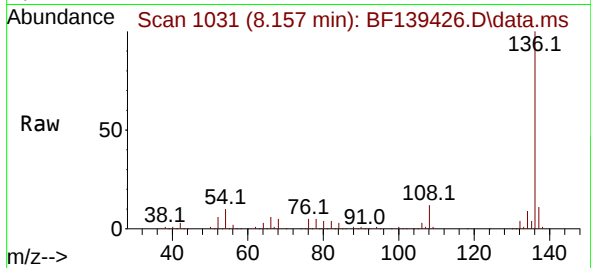




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

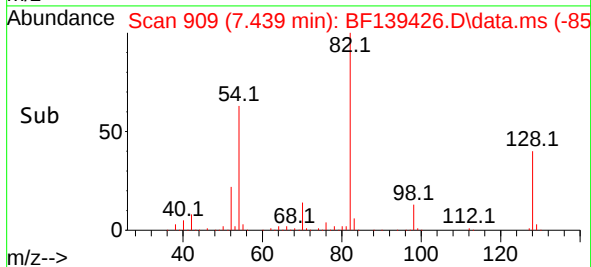
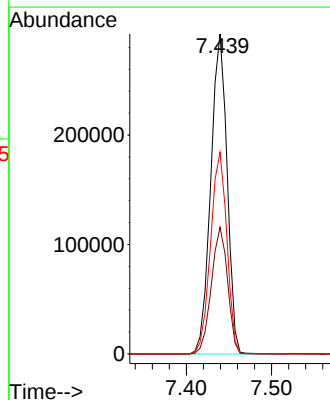
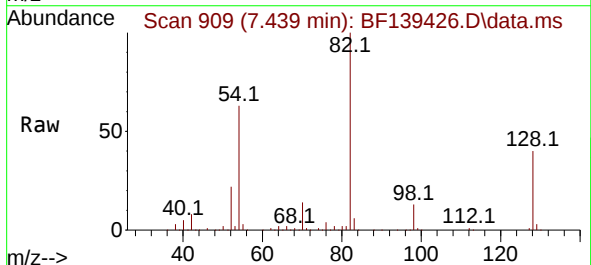
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

Tgt Ion:	136	Resp:	274413
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	9.9	7.8	11.8
68	4.9	3.6	5.4



#23
Nitrobenzene-d5
Concen: 66.527 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:	82	Resp:	388327
Ion Ratio	Lower	Upper	
82	100		
128	39.6	31.8	47.6
54	63.0	50.6	75.8

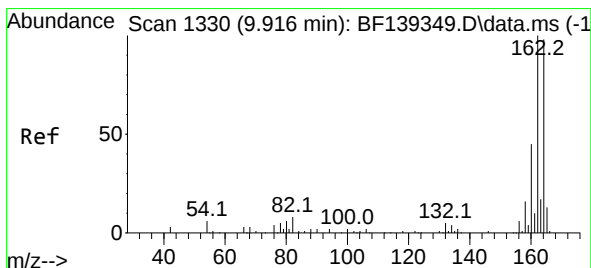
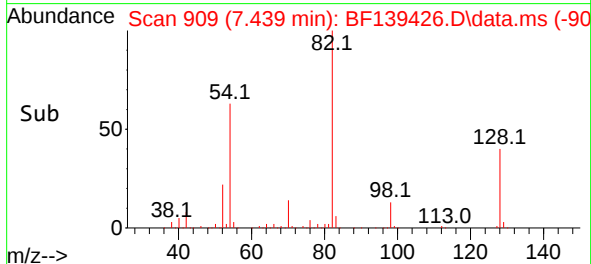
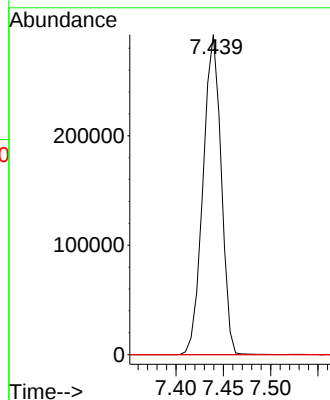
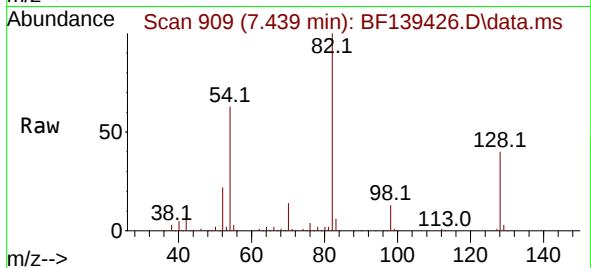




#25
Isophorone
Concen: 41.912 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

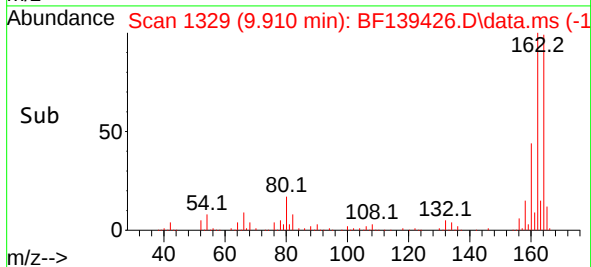
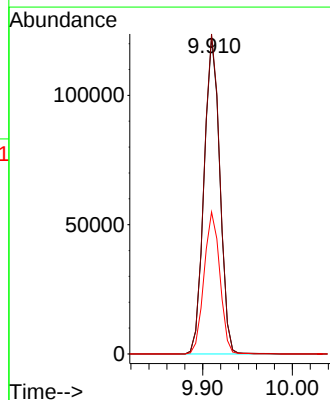
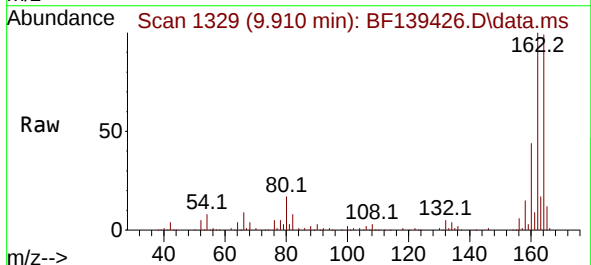
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

Tgt Ion: 82 Resp: 386908
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:164 Resp: 149302
Ion Ratio Lower Upper
164 100
162 100.9 81.3 121.9
160 44.7 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 89.079 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139426.D

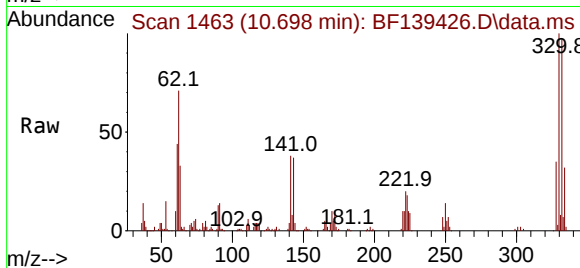
Acq: 18 Sep 2024 14:45

Instrument :

BNA_F

ClientSampleId :

B-1-TANK17



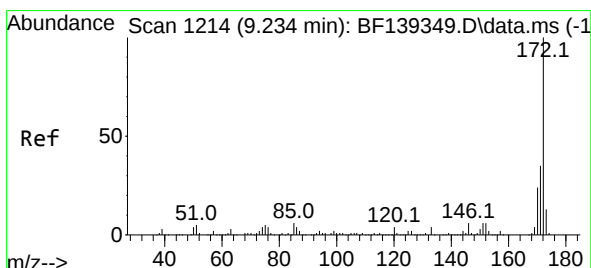
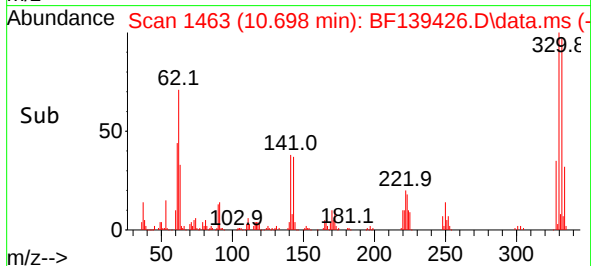
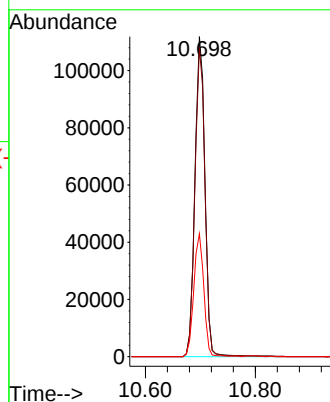
Tgt Ion:330 Resp: 141591

Ion Ratio Lower Upper

330 100

332 96.9 75.2 112.8

141 38.3 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 65.752 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

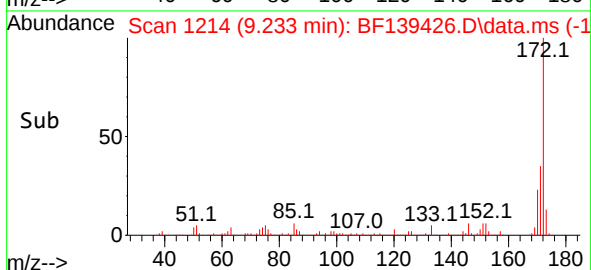
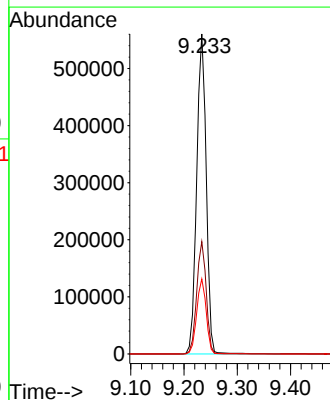
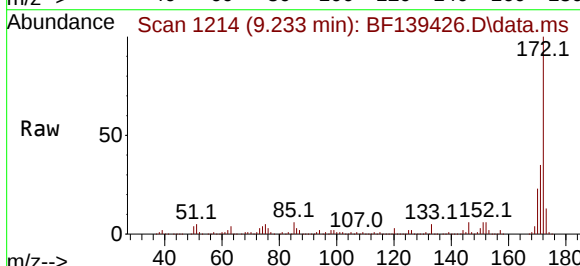
Tgt Ion:172 Resp: 699947

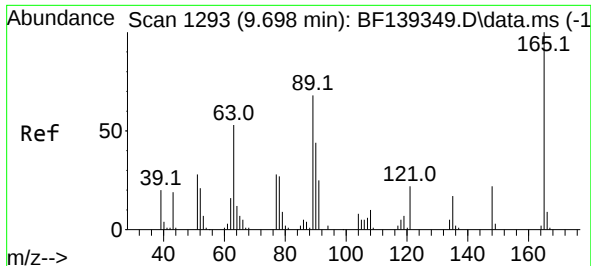
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.5 19.0 28.6

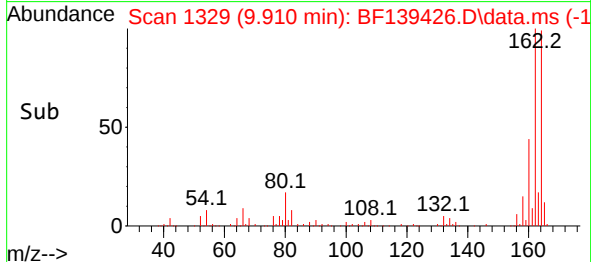
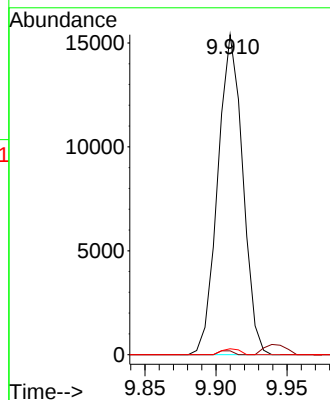
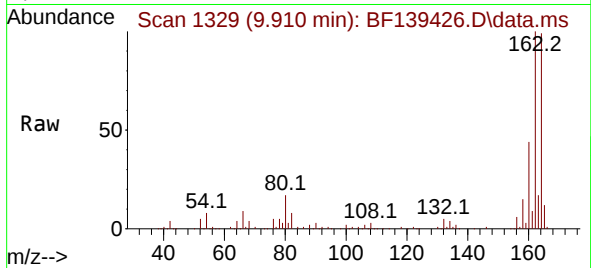




#51
2,6-Dinitrotoluene
Concen: 8.665 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

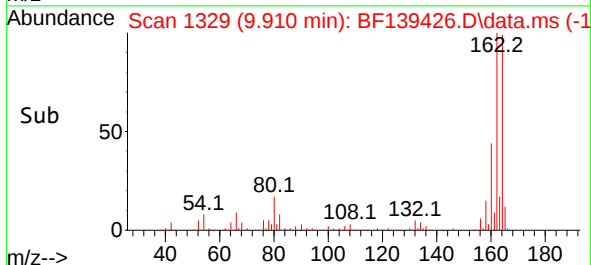
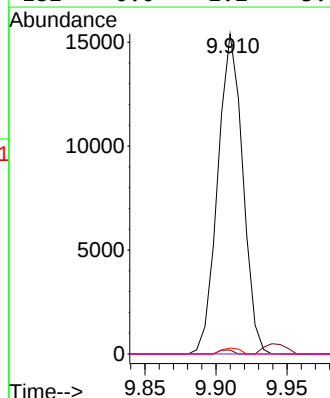
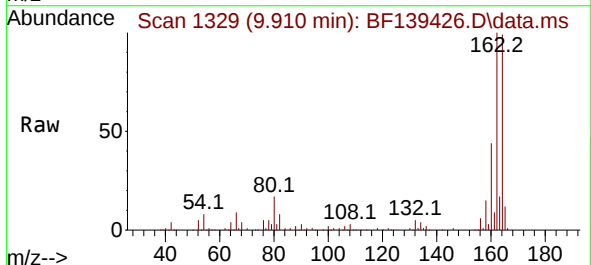
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

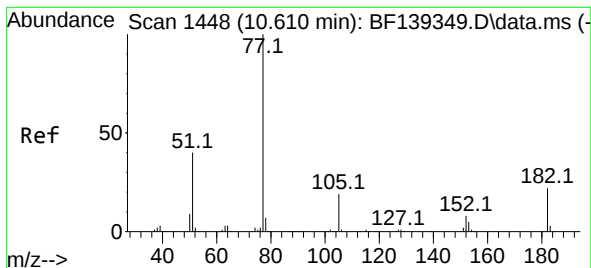
Tgt Ion:165 Resp: 18811
Ion Ratio Lower Upper
165 100
63 1.2 60.9 91.3#
89 1.9 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.418 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:165 Resp: 18811
Ion Ratio Lower Upper
165 100
63 1.2 47.8 71.6#
89 1.9 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.976 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

Instrument :

BNA_F

ClientSampleId :

B-1-TANK17

Tgt Ion: 77 Resp: 29603

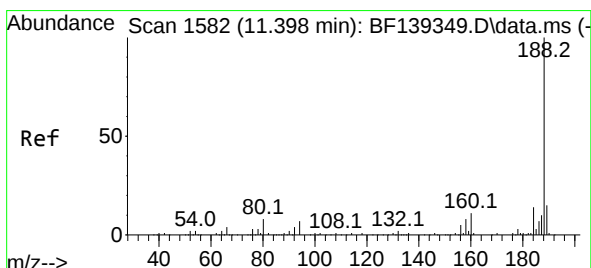
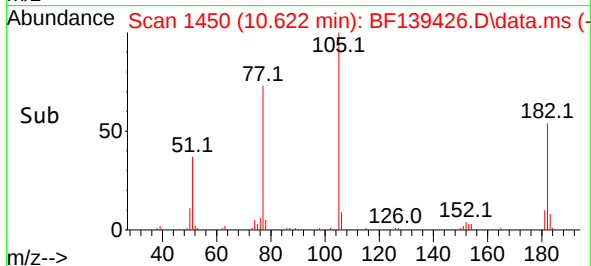
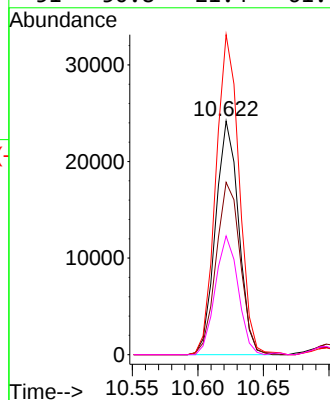
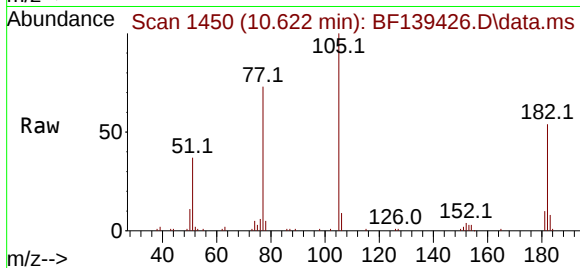
Ion Ratio Lower Upper

77 100

182 73.7 1.8 41.8#

105 136.9 0.0 38.6#

51 50.8 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

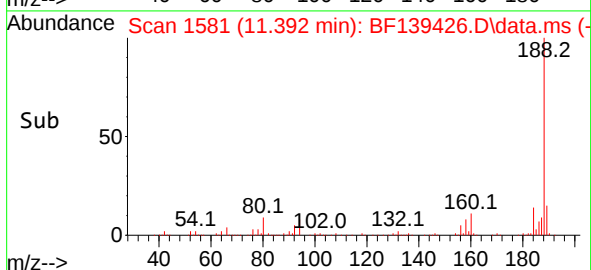
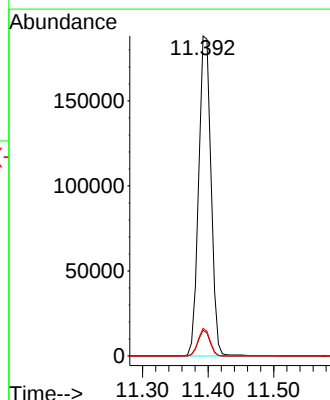
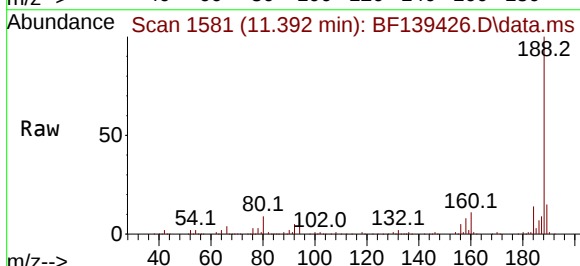
Tgt Ion: 188 Resp: 247633

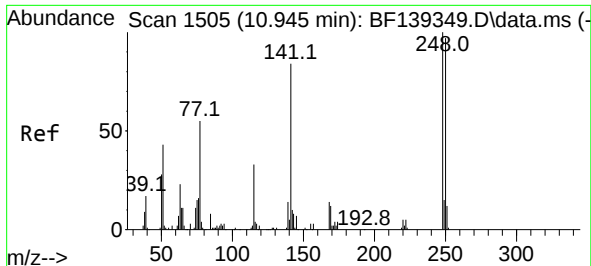
Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

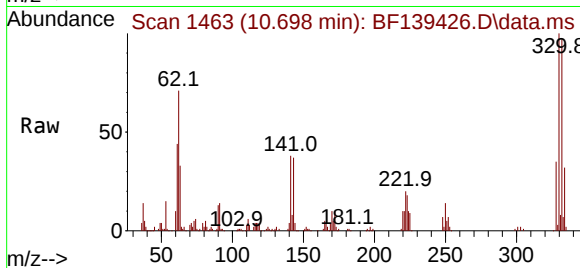
80 8.7 6.6 9.8



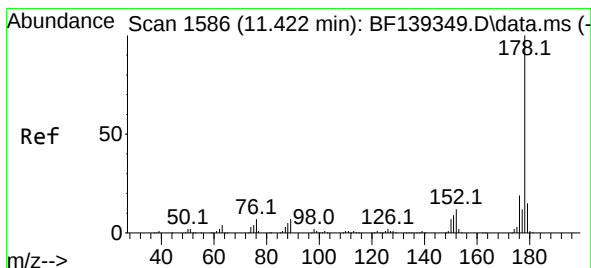
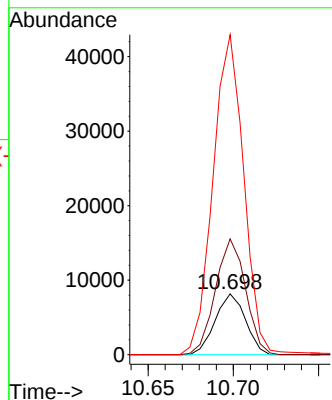
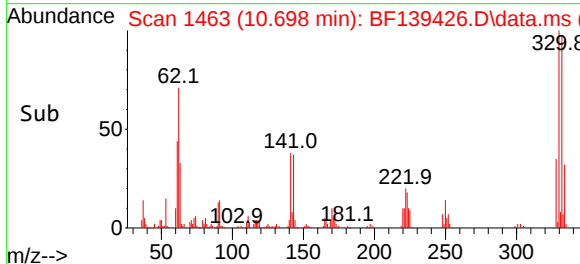


#67
4-Bromophenyl-phenylether
Concen: 4.102 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

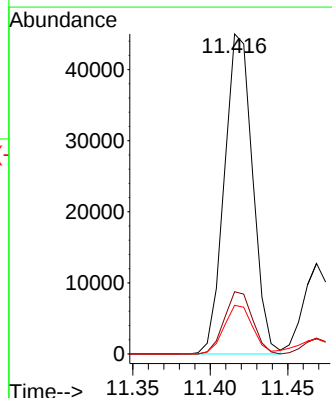
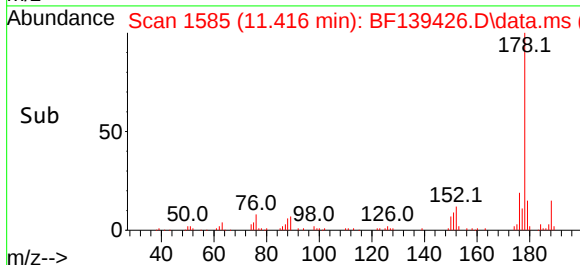
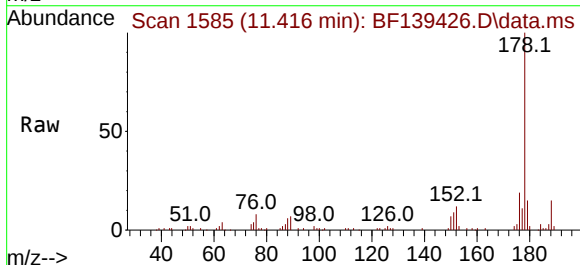


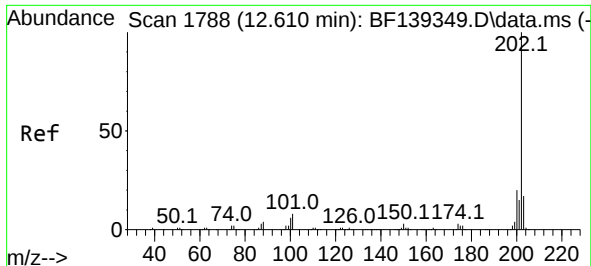
Tgt Ion:248 Resp: 10065
Ion Ratio Lower Upper
248 100
250 190.7 77.6 116.4#
141 526.5 66.9 100.3#



#71
Phenanthrene
Concen: 4.780 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:178 Resp: 57111
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.2 12.2 18.4

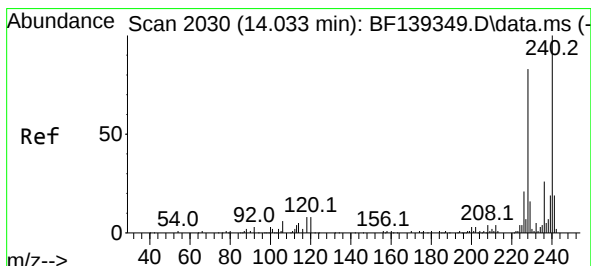
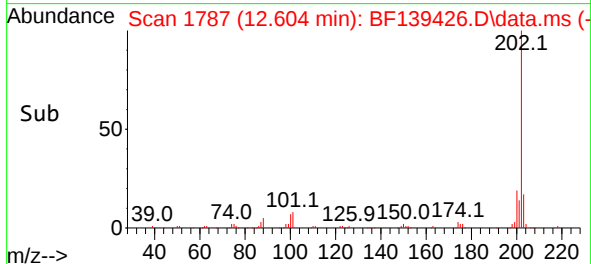
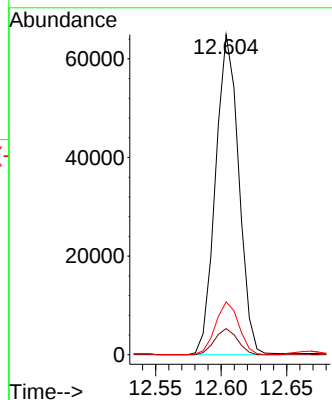
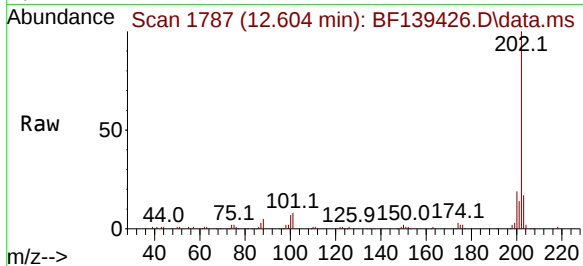




#75
Fluoranthene
Concen: 6.268 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

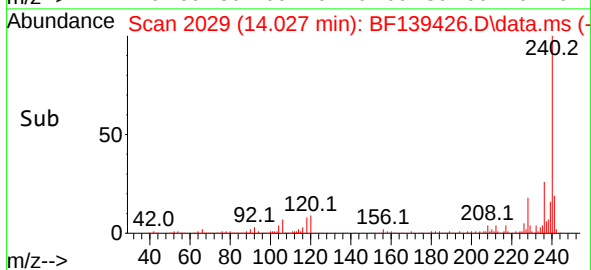
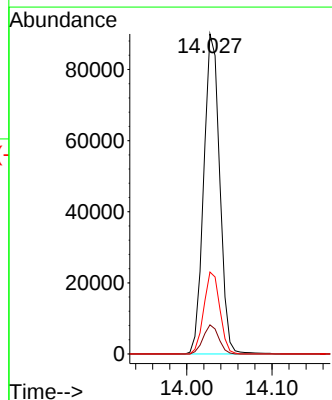
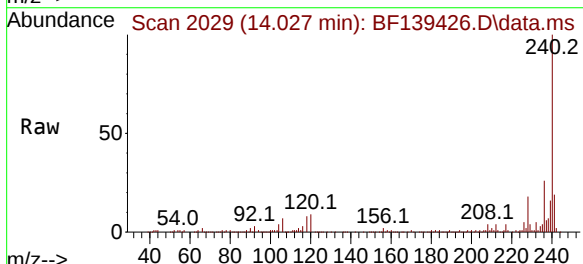
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

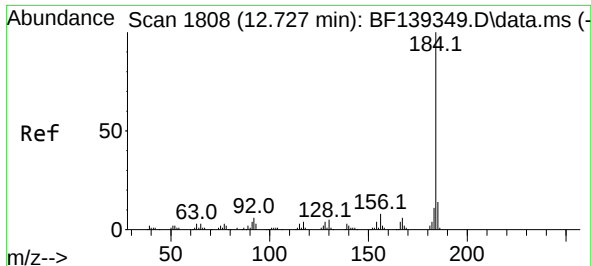
Tgt Ion:202 Resp: 79974
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.7
203 16.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

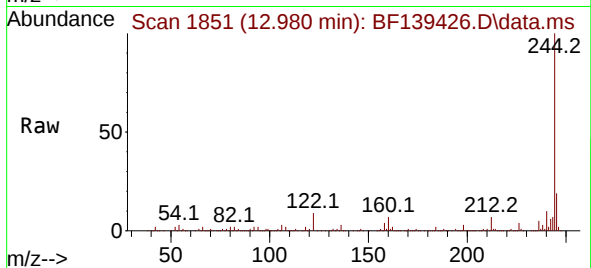
Tgt Ion:240 Resp: 117181
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.2
236 25.6 20.9 31.3



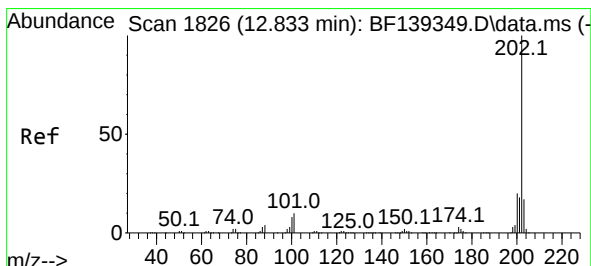
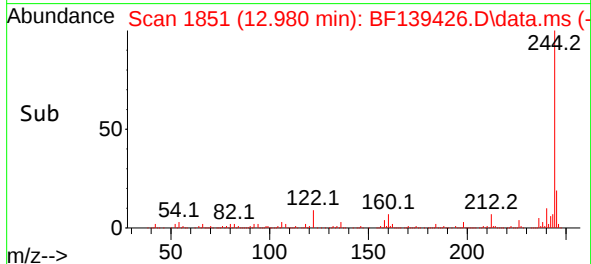
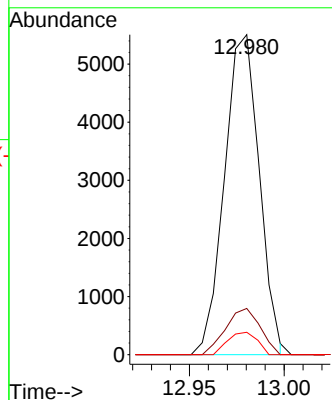


#77
Benzidine
Concen: 4.192 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

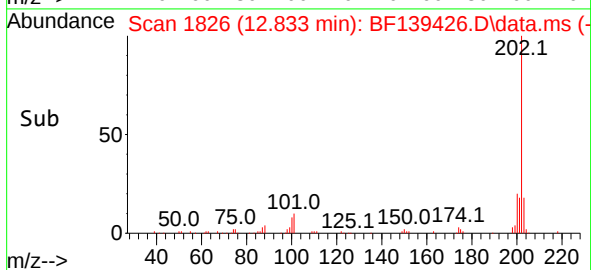
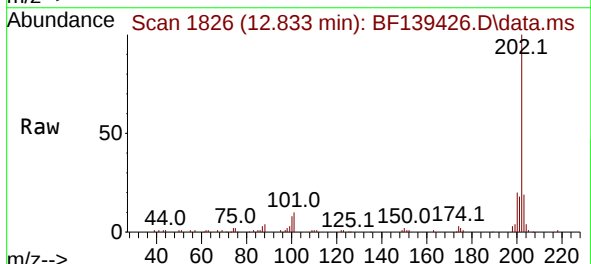
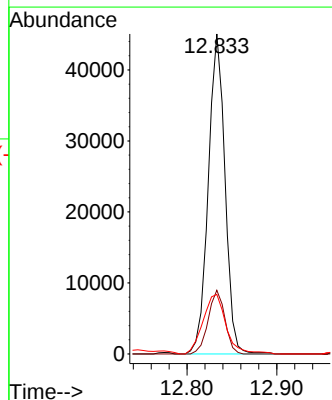


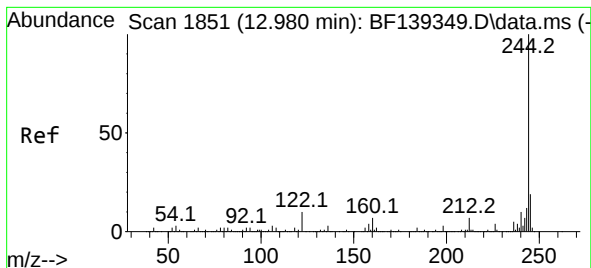
Tgt Ion:184 Resp: 7037
Ion Ratio Lower Upper
184 100
185 14.5 11.5 17.3
183 7.0 8.9 13.3#



#78
Pyrene
Concen: 5.791 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:202 Resp: 58265
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 18.6 13.9 20.9





#79

Terphenyl-d14

Concen: 64.462 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139426.D

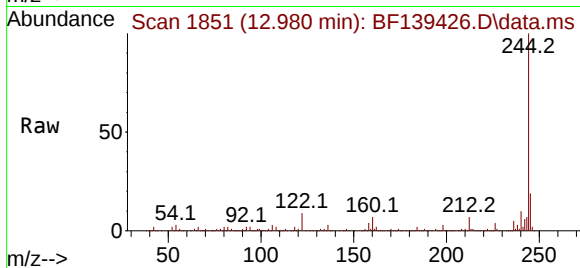
Acq: 18 Sep 2024 14:45

Instrument :

BNA_F

ClientSampleId :

B-1-TANK17



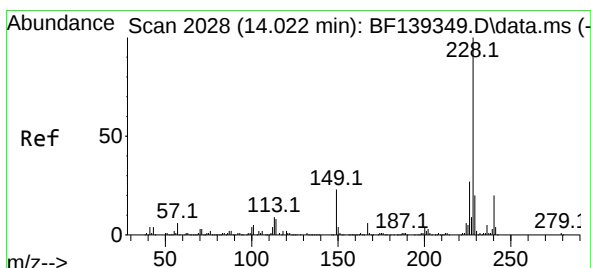
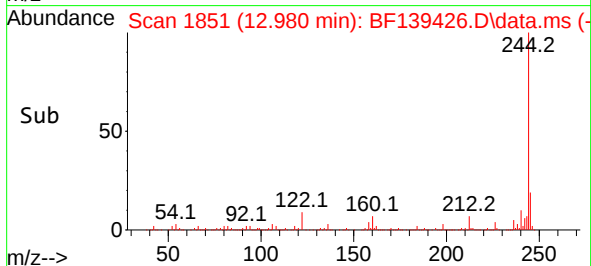
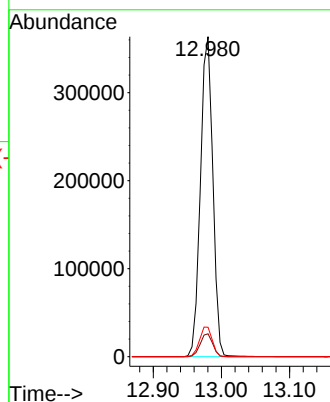
Tgt Ion:244 Resp: 460200

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.2 7.6 11.4



#81

Benzo(a)anthracene

Concen: 4.453 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

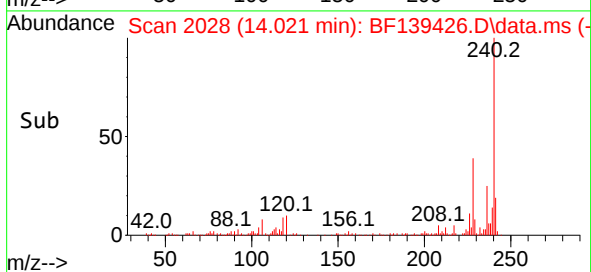
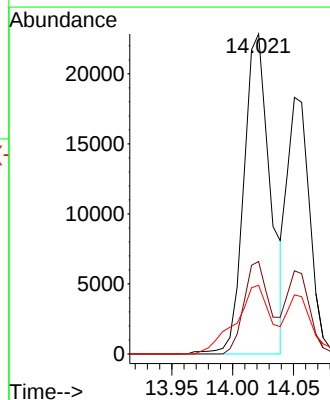
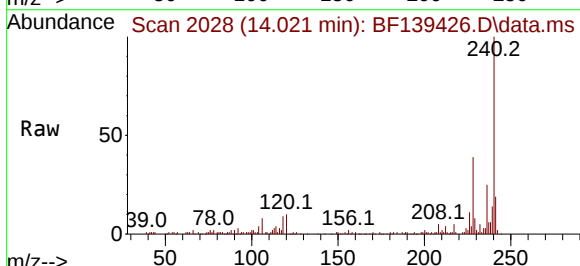
Tgt Ion:228 Resp: 34567

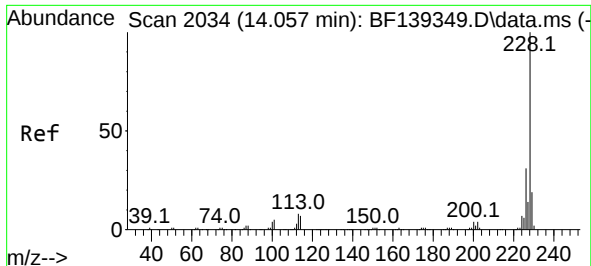
Ion Ratio Lower Upper

228 100

226 28.9 21.6 32.4

229 21.5 15.7 23.5

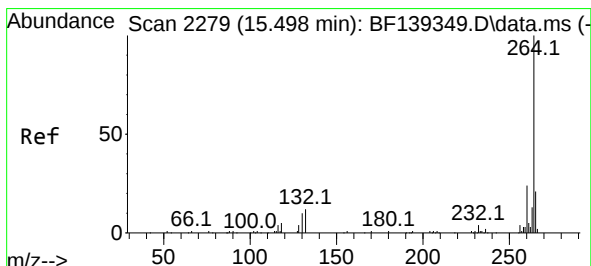
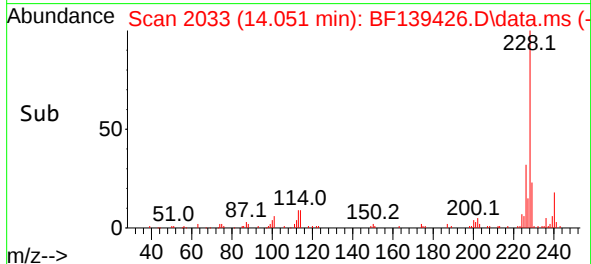
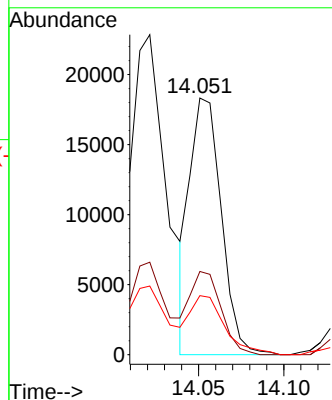
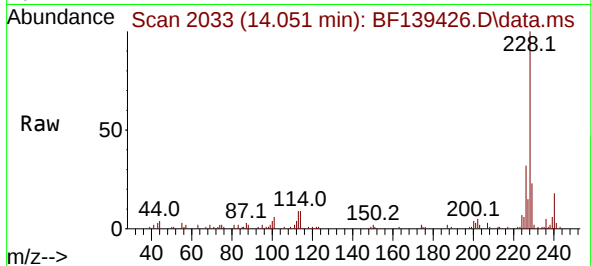




#83
Chrysene
Concen: 3.294 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

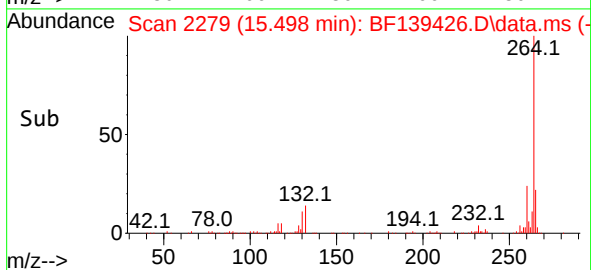
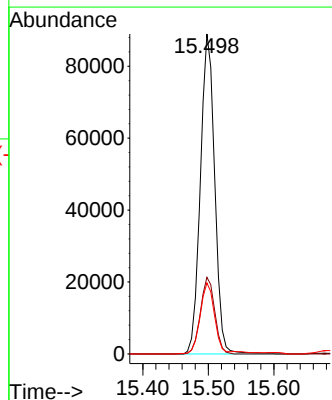
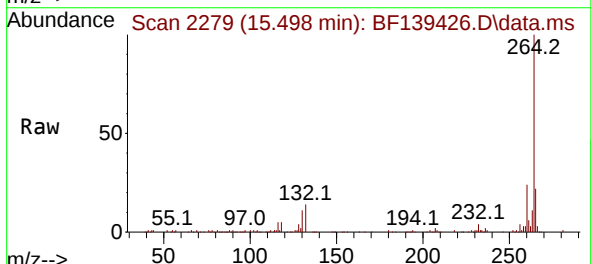
Instrument :
BNA_F
ClientSampleId :
B-1-TANK17

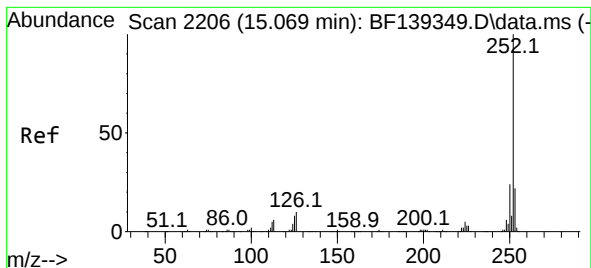
Tgt Ion:228	Resp:	23524
Ion Ratio	Lower	Upper
228	100	
226	32.4	24.1 36.1
229	23.0	15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139426.D
Acq: 18 Sep 2024 14:45

Tgt Ion:264	Resp:	135289
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.5 29.3
265	22.2	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.814 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

Instrument :

BNA_F

ClientSampleId :

B-1-TANK17

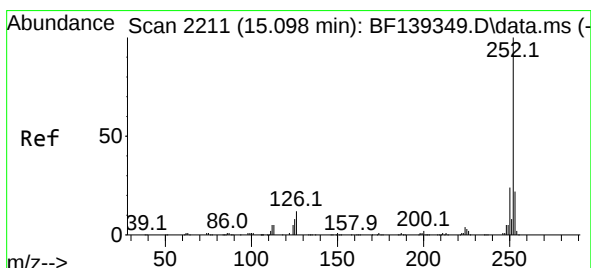
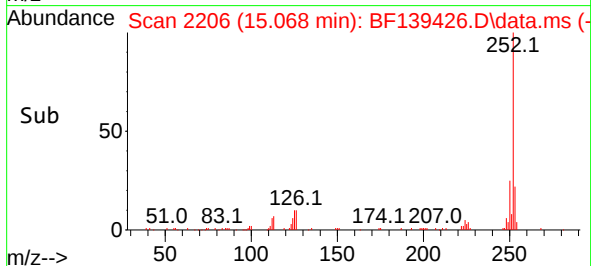
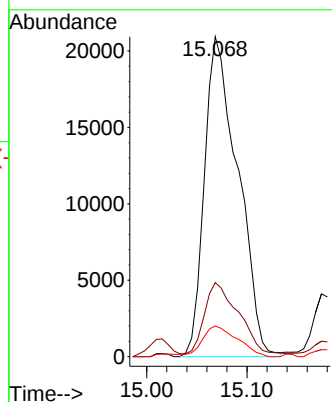
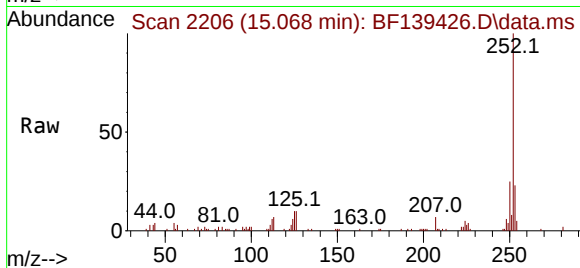
Tgt Ion:252 Resp: 48509

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 9.6 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 6.305 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139426.D

Acq: 18 Sep 2024 14:45

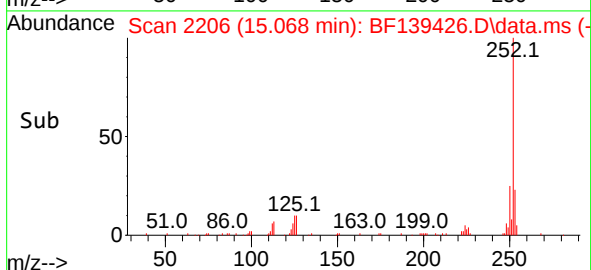
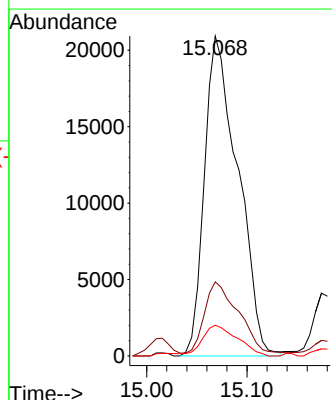
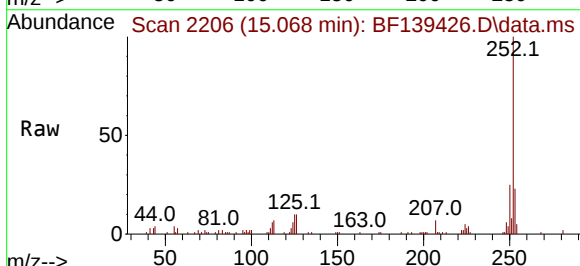
Tgt Ion:252 Resp: 48509

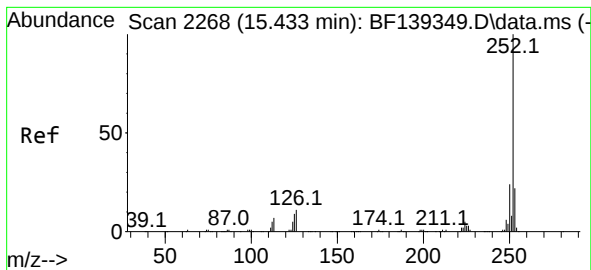
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 9.6 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 3.520 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139426.D

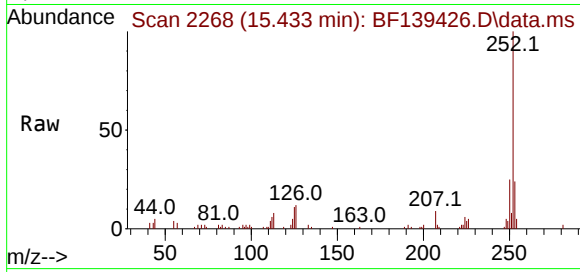
Acq: 18 Sep 2024 14:45

Instrument :

BNA_F

ClientSampleId :

B-1-TANK17



Tgt Ion:252 Resp: 24361

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 10.5 6.8 10.2#

