

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139439.D
 Acq On : 18 Sep 2024 21:41
 Operator : RC/JU
 Sample : P4087-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-01

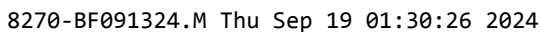
Quant Time: Sep 19 01:30:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

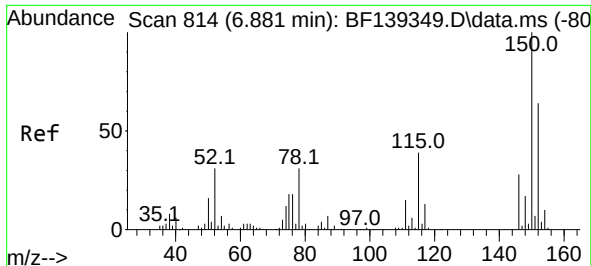
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	60235	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	211033	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95135	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	153467	20.000	ng	0.00
76) Chrysene-d12	14.033	240	103029	20.000	ng	0.00
86) Perylene-d12	15.498	264	78617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	266615	72.207	ng	0.00
7) Phenol-d6	6.504	99	363094	74.919	ng	0.00
23) Nitrobenzene-d5	7.440	82	242387	53.996	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	64758	63.938	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	414788	61.150	ng	0.00
79) Terphenyl-d14	12.980	244	341664	54.432	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	34130	11.884	ng	# 75
25) Isophorone	7.440	82	242382	34.141	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	12575	9.091	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	12575	6.734	ng	# 16
67) 4-Bromophenyl-phenylether	10.698	248	4251	2.795	ng	# 1
71) Phenanthrene	11.422	178	18429	2.489	ng	98
72) Anthracene	11.422	178	18429	2.546	ng	98
75) Fluoranthene	12.604	202	59317	7.502	ng	99
77) Benzidine	12.980	184	5623	3.809	ng	# 92
78) Pyrene	12.833	202	56023	6.333	ng	98
81) Benzo(a)anthracene	14.057	228	26431	3.873	ng	94
83) Chrysene	14.057	228	26431	4.210	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	10260	2.195	ng	97
88) Benzo(b)fluoranthene	15.074	252	39329	8.111	ng	# 94
89) Benzo(k)fluoranthene	15.074	252	39329	8.797	ng	# 93
90) Benzo(a)pyrene	15.433	252	17939	4.461	ng	# 94
92) Benzo(g,h,i)perylene	17.409	276	11390	2.978	ng	# 95

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

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QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

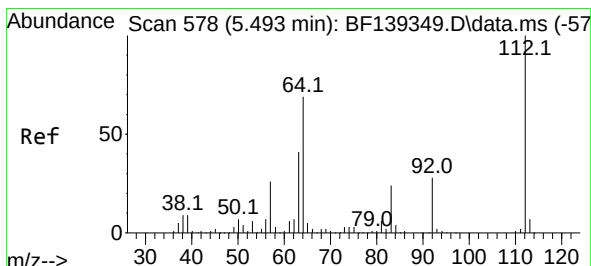
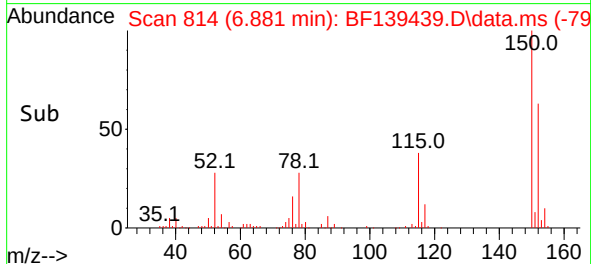
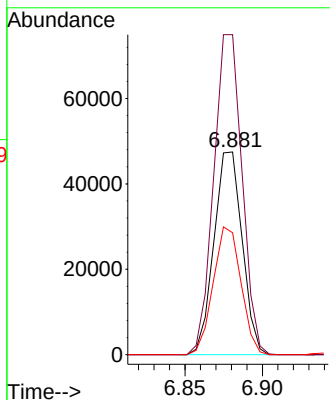
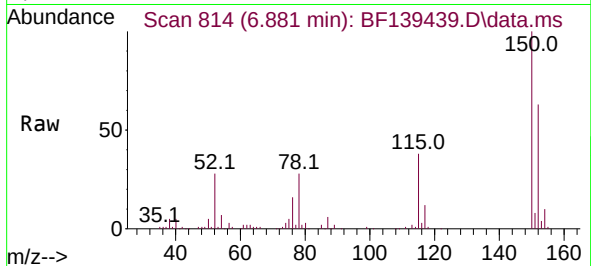




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

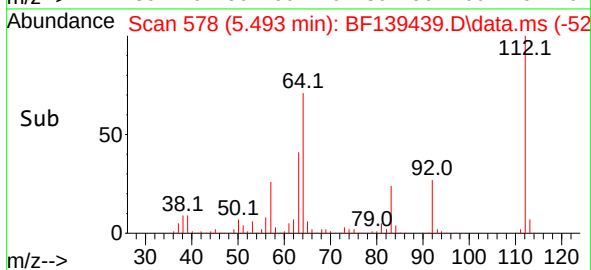
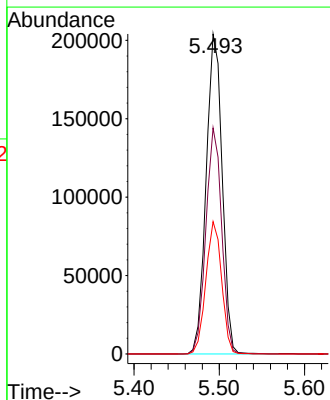
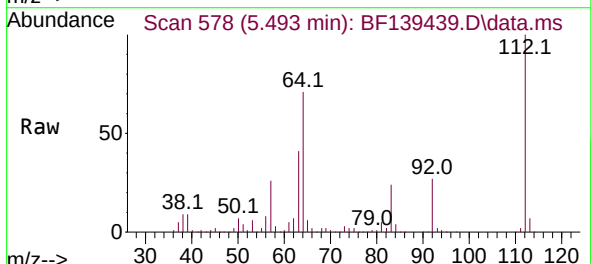
Instrument :
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NB-614-COMP-01

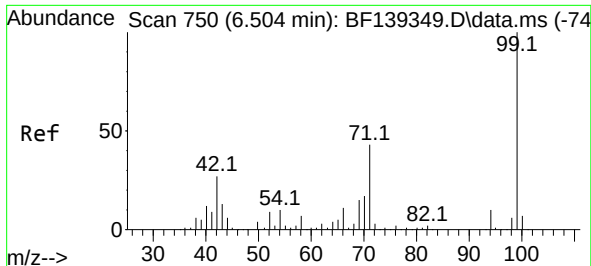
Tgt Ion:152 Resp: 60235
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 60.2 48.1 72.1



#5
2-Fluorophenol
Concen: 72.207 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:112 Resp: 266615
Ion Ratio Lower Upper
112 100
64 70.6 54.8 82.2
63 41.4 33.0 49.4





#7

Phenol-d6

Concen: 74.919 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139439.D

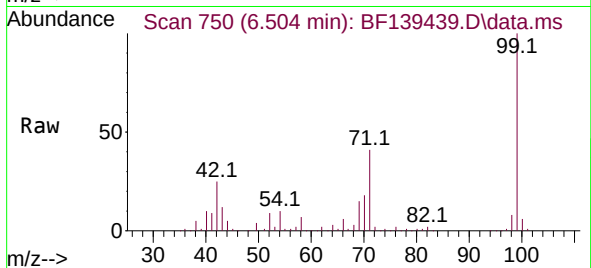
Acq: 18 Sep 2024 21:41

Instrument :

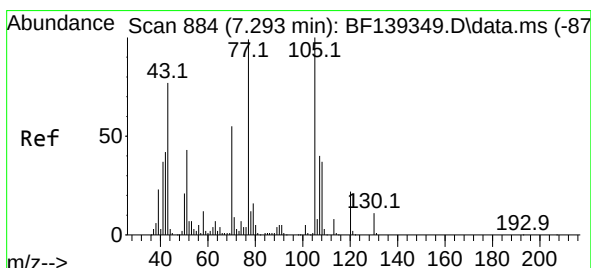
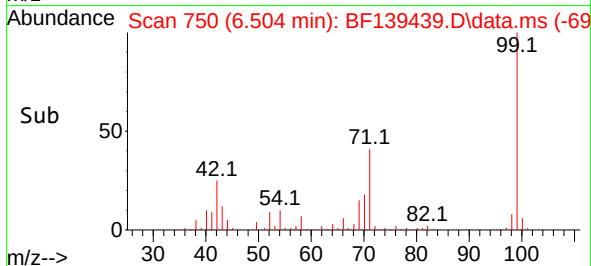
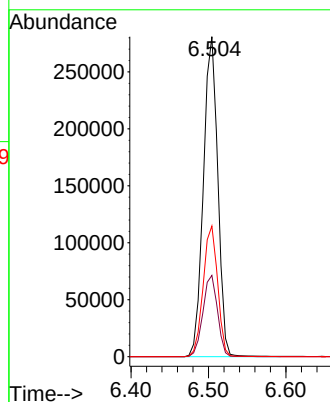
BNA_F

ClientSampleId :

NB-614-COMP-01



Tgt Ion:	99	Resp:	363094
Ion Ratio	100	Lower	Upper
42	25.4	21.9	32.9
71	40.8	34.6	52.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.884 ng

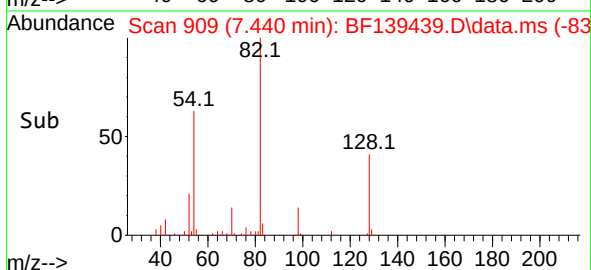
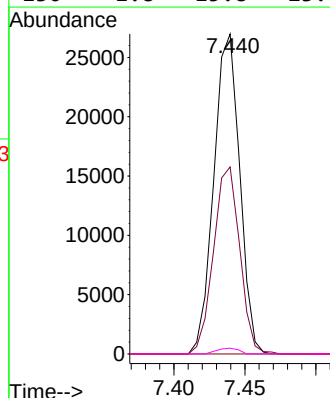
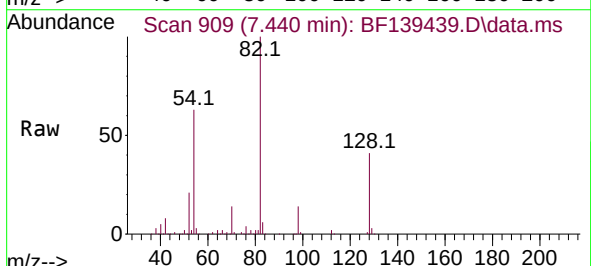
RT: 7.440 min Scan# 909

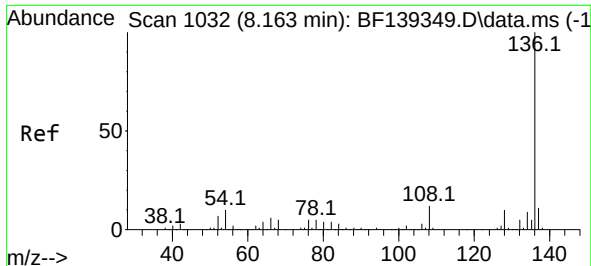
Delta R.T. 0.147 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Tgt Ion:	70	Resp:	34130
Ion Ratio	100	Lower	Upper
42	58.5	61.2	91.8#
101	0.0	7.5	11.3#
130	1.8	15.8	23.8#



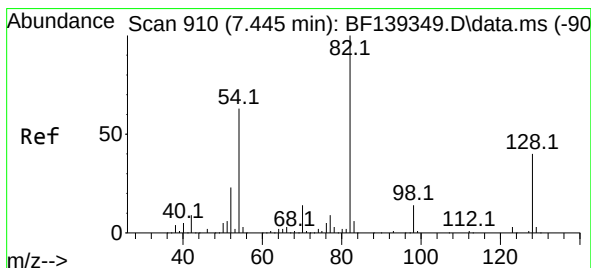
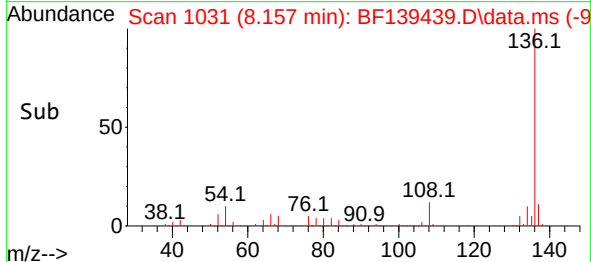
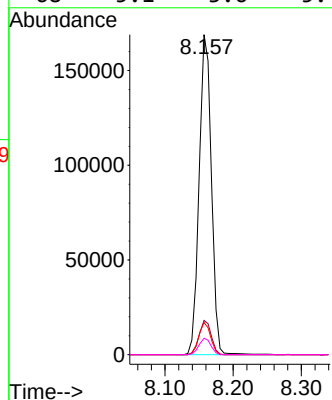
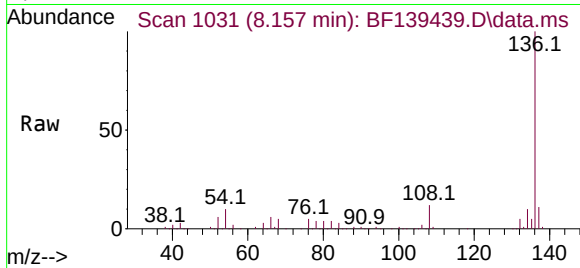


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

Tgt Ion:136 Resp: 211033

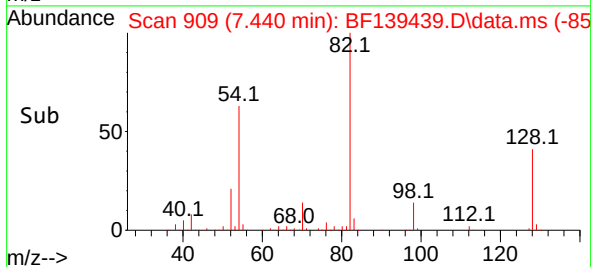
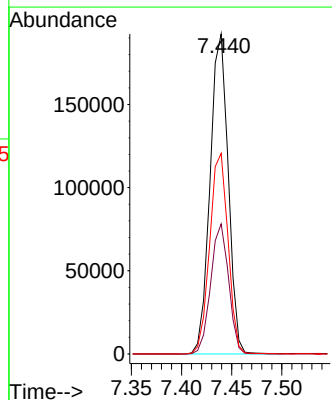
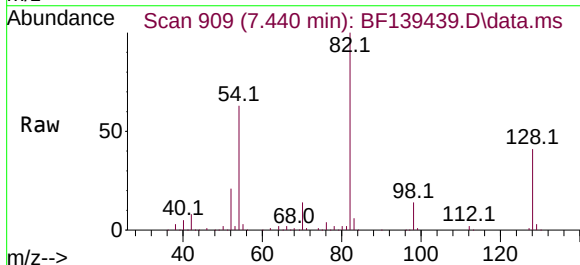
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.0	7.8	11.8
68	5.1	3.6	5.4

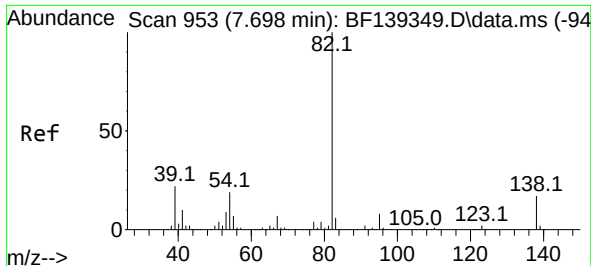


#23
Nitrobenzene-d5
Concen: 53.996 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion: 82 Resp: 242387

Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.8	47.6
54	62.7	50.6	75.8

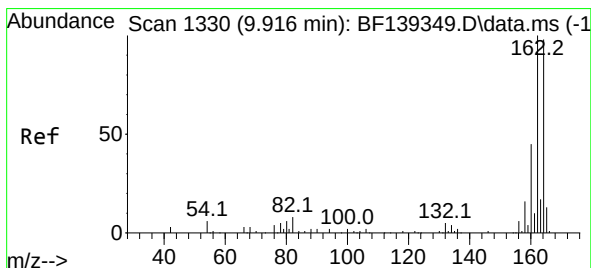
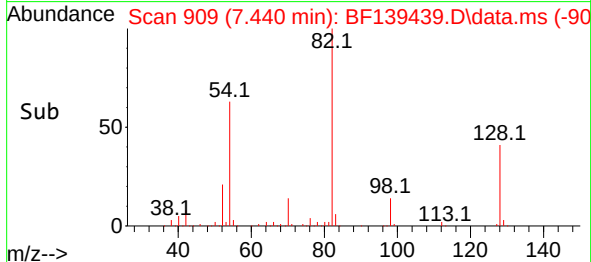
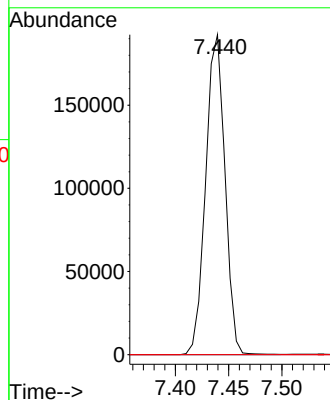
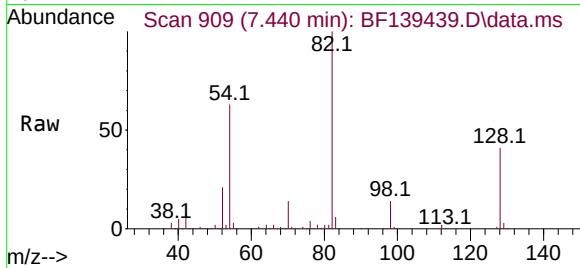




#25
Isophorone
Concen: 34.141 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

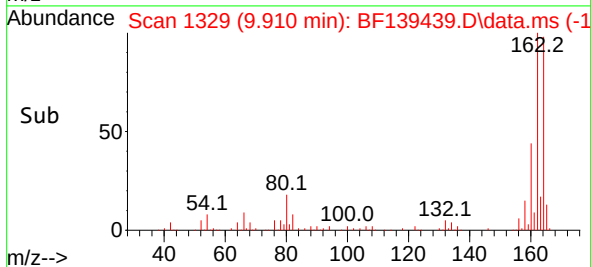
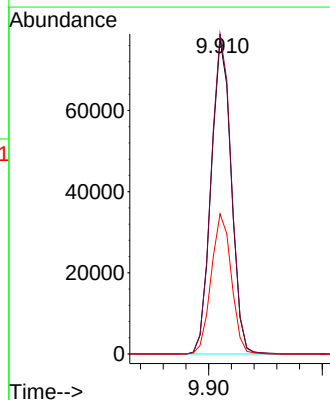
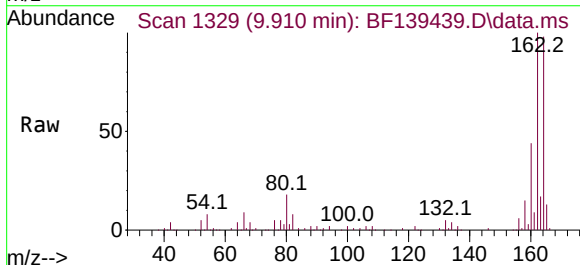
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

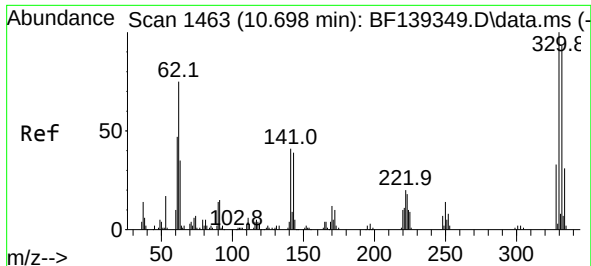
Tgt Ion: 82 Resp: 242382
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

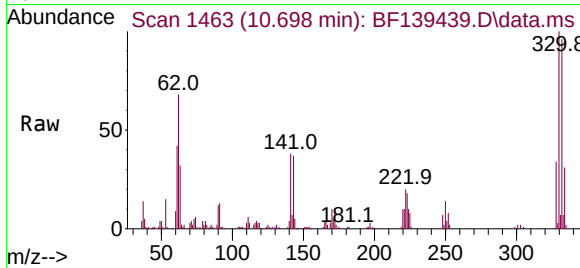
Tgt Ion:164 Resp: 95135
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.6 36.4 54.6



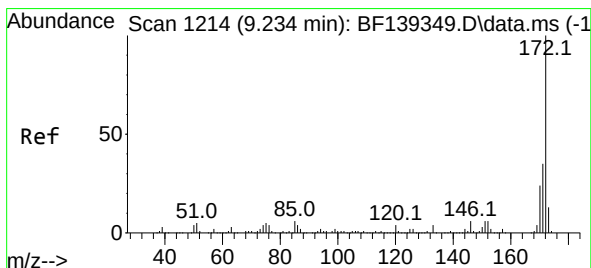
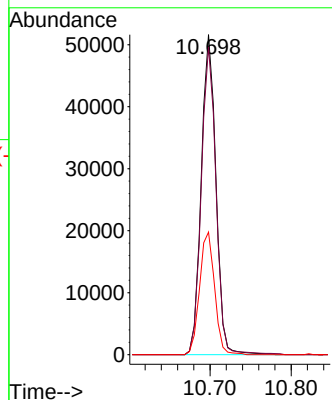
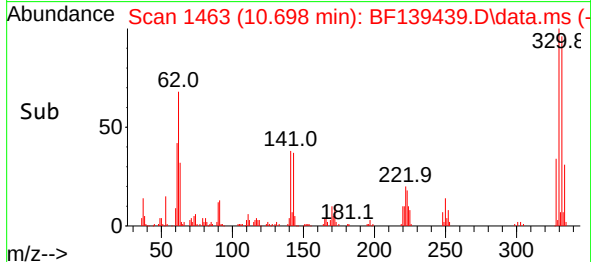


#42
2,4,6-Tribromophenol
Concen: 63.938 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

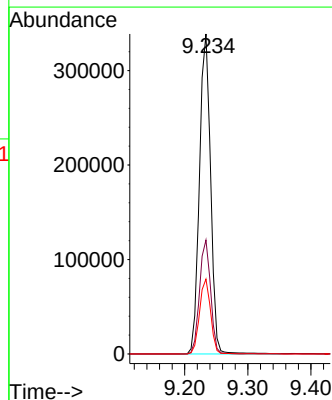
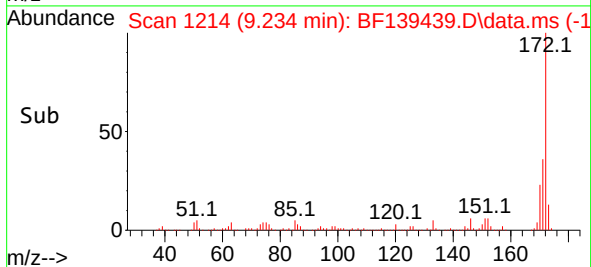
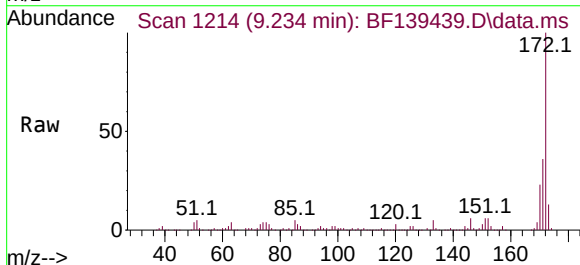


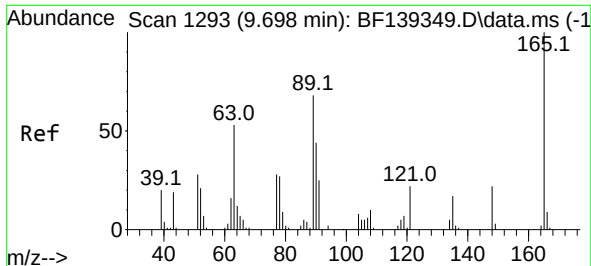
Tgt Ion:330 Resp: 64758
Ion Ratio Lower Upper
330 100
332 96.6 75.2 112.8
141 39.2 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 61.150 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:172 Resp: 414788
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.4 19.0 28.6

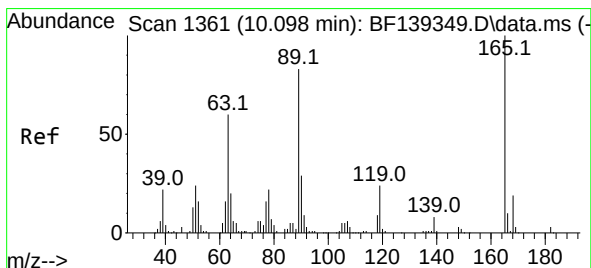
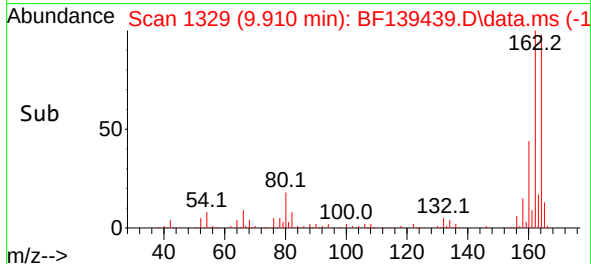
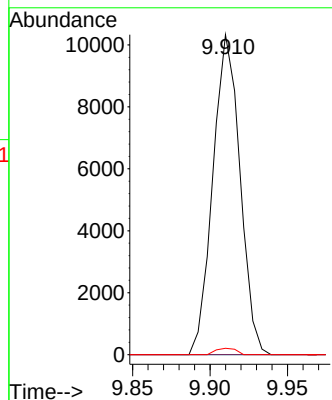
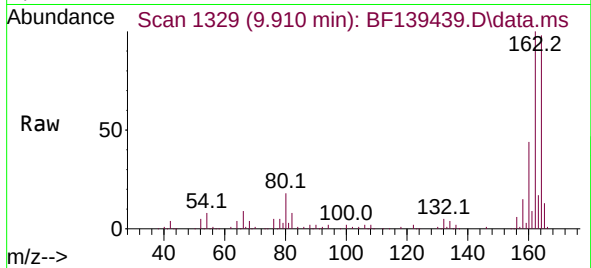




#51
2,6-Dinitrotoluene
Concen: 9.091 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

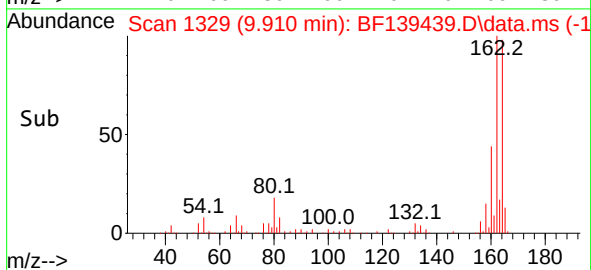
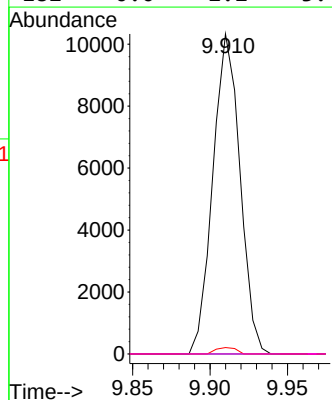
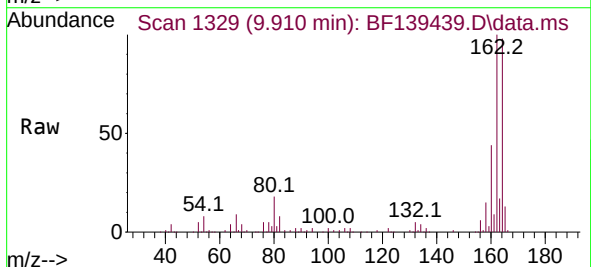
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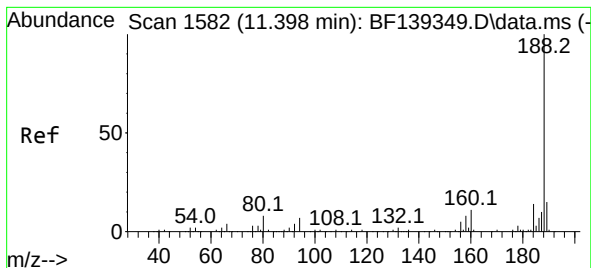
Tgt Ion:165 Resp: 12575
Ion Ratio Lower Upper
165 100
63 0.0 60.9 91.3#
89 2.0 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.734 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:165 Resp: 12575
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.6#
89 2.0 66.7 100.1#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-01

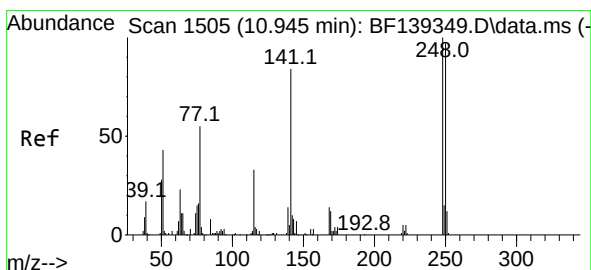
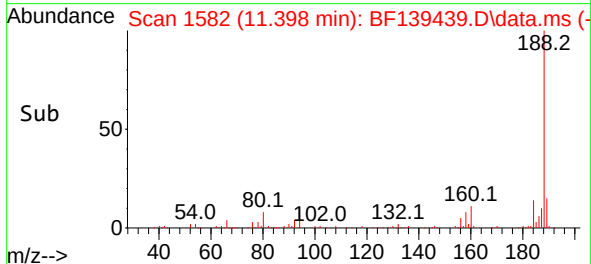
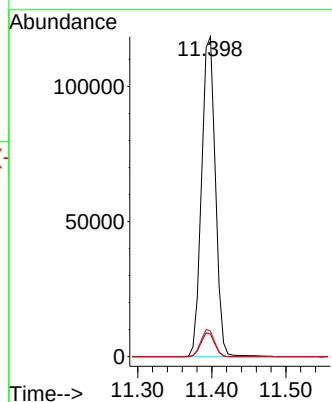
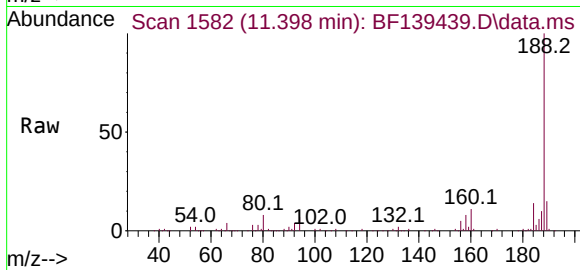
Tgt Ion:188 Resp: 153467

Ion Ratio Lower Upper

188 100

94 7.1 5.5 8.3

80 8.0 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 2.795 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

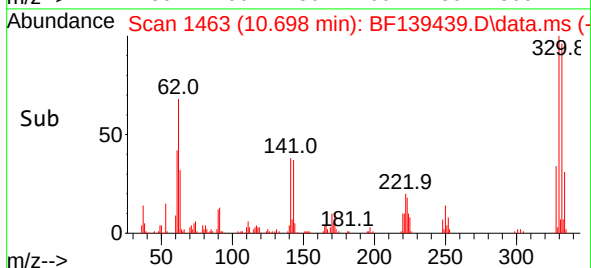
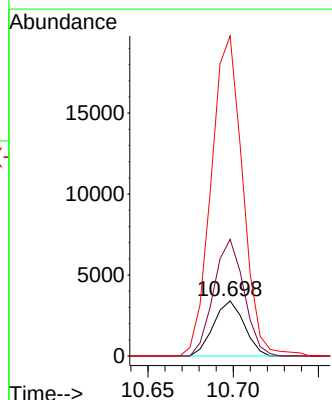
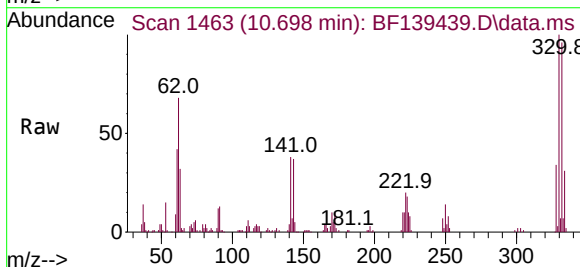
Tgt Ion:248 Resp: 4251

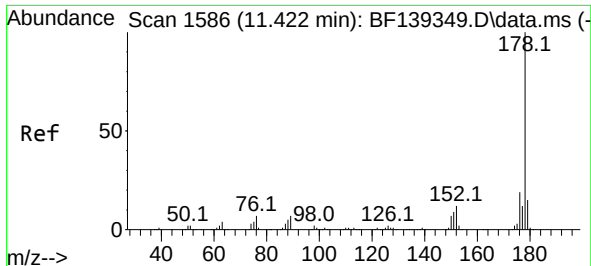
Ion Ratio Lower Upper

248 100

250 211.7 77.6 116.4#

141 580.6 66.9 100.3#

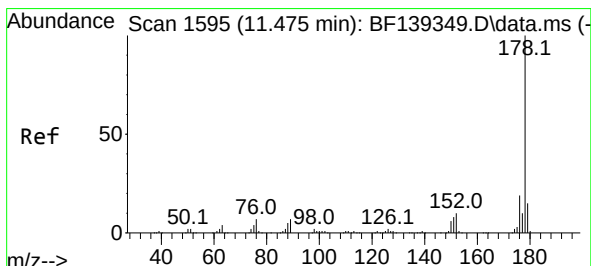
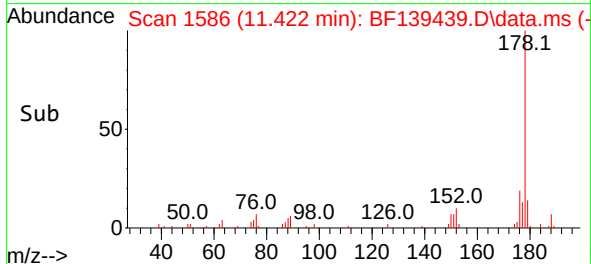
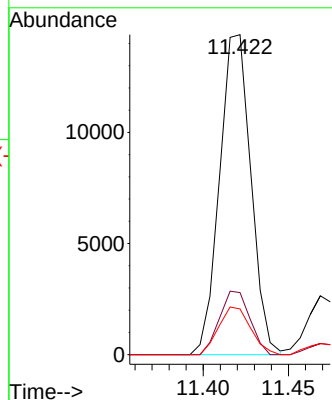
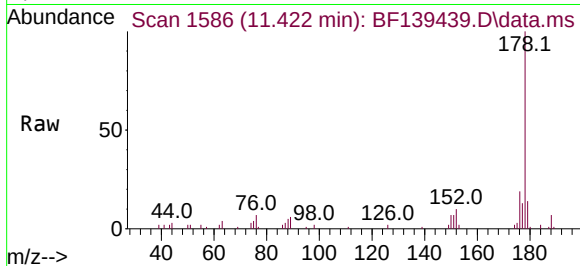




#71
Phenanthrene
Concen: 2.489 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

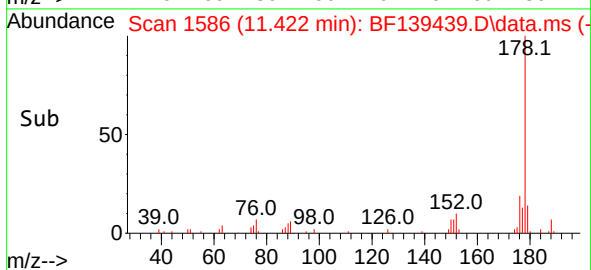
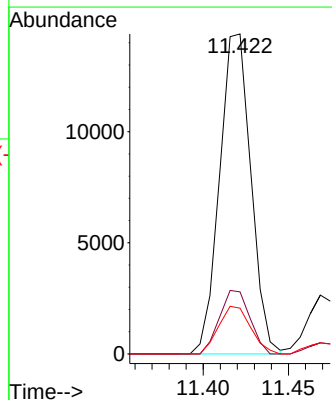
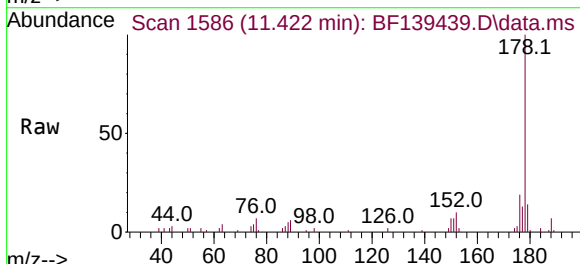
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

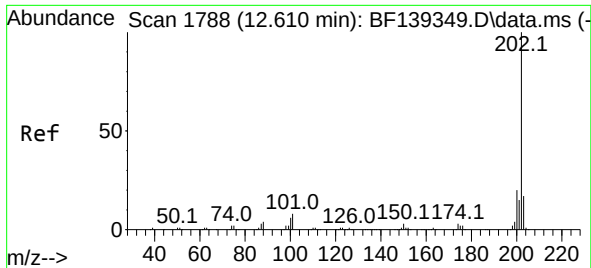
Tgt Ion:178 Resp: 18429
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 14.3 12.2 18.4



#72
Anthracene
Concen: 2.546 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.053 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:178 Resp: 18429
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 14.3 12.0 18.0

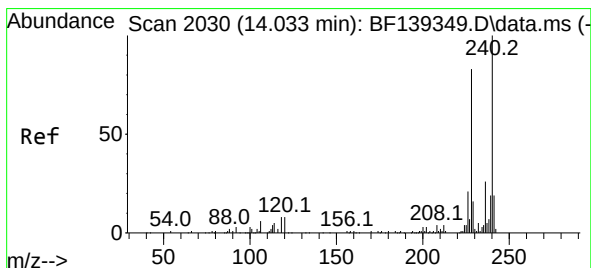
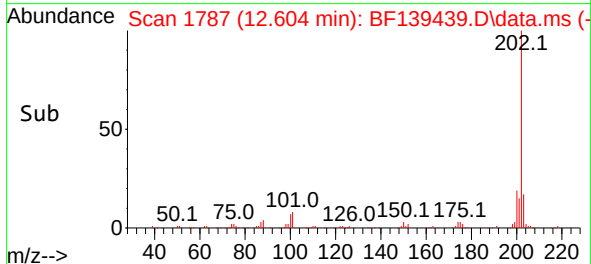
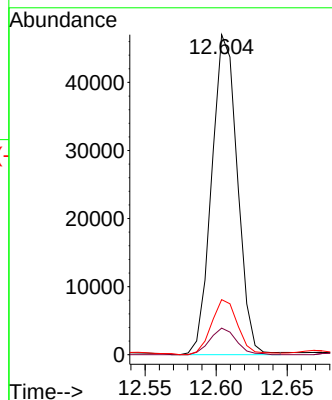
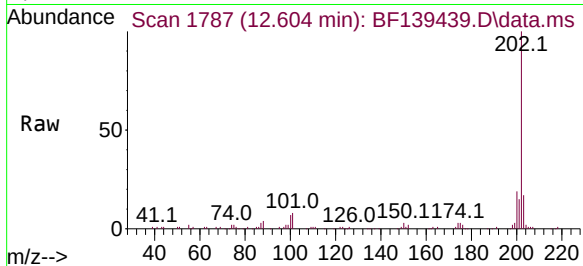




#75
Fluoranthene
Concen: 7.502 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

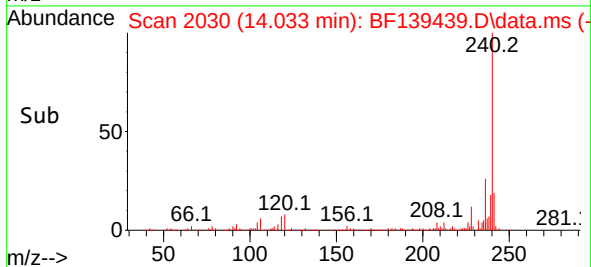
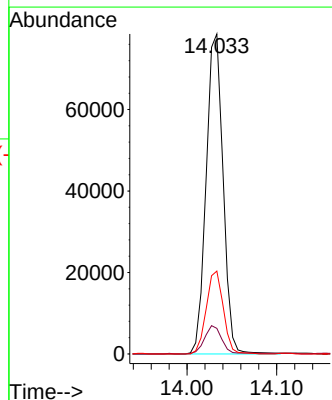
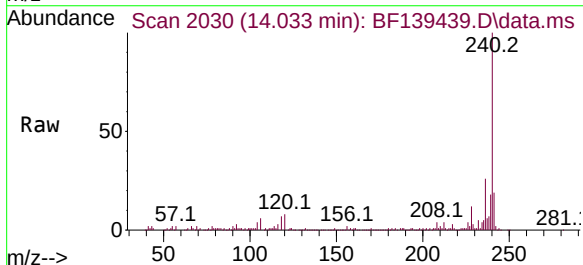
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-01

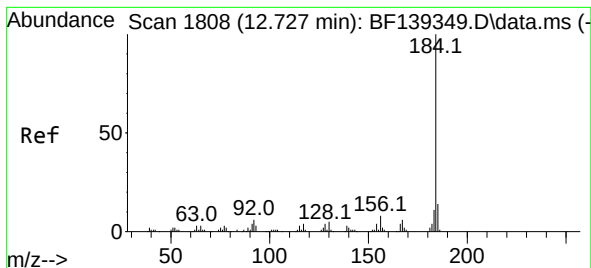
Tgt Ion:202 Resp: 59317
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139439.D
Acq: 18 Sep 2024 21:41

Tgt Ion:240 Resp: 103029
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.2
236 25.9 20.9 31.3





#77

Benzidine

Concen: 3.809 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139439.D

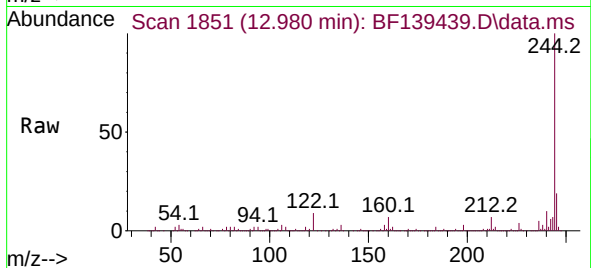
Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-01



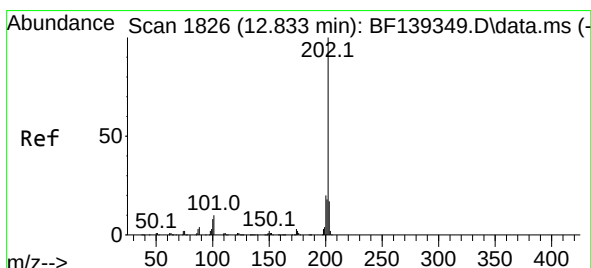
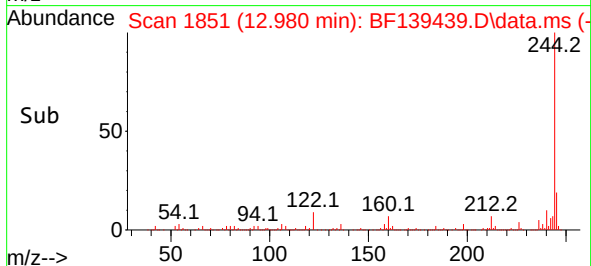
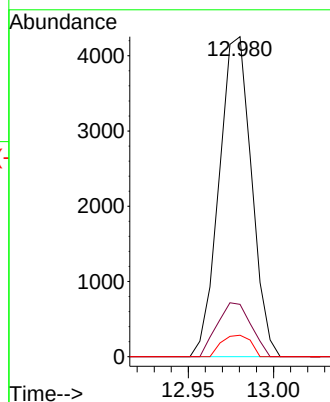
Tgt Ion:184 Resp: 5623

Ion Ratio Lower Upper

184 100

185 16.3 11.5 17.3

183 6.7 8.9 13.3#



#78

Pyrene

Concen: 6.333 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

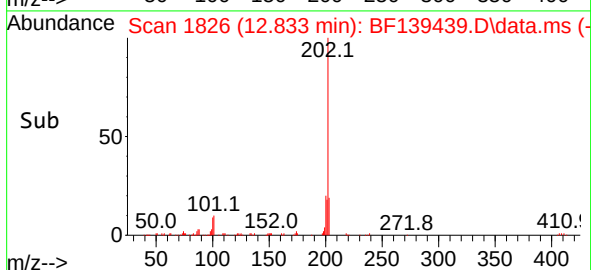
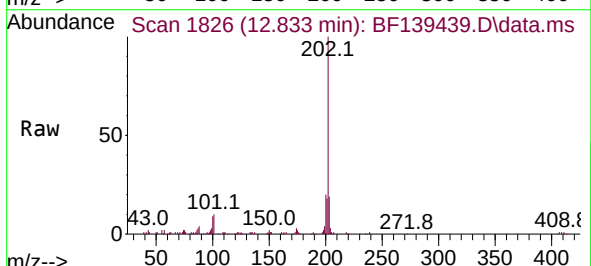
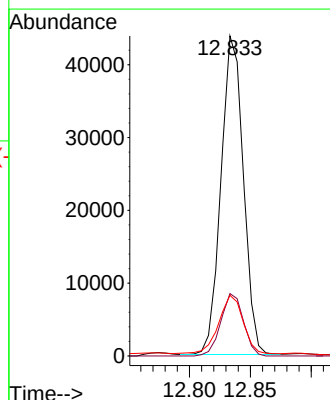
Tgt Ion:202 Resp: 56023

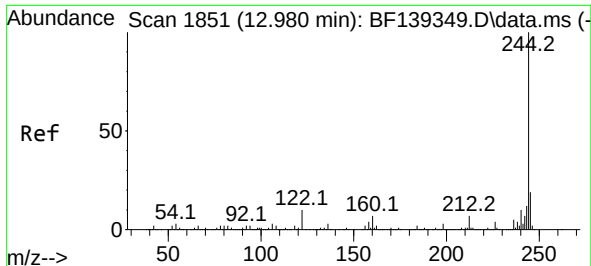
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 19.0 13.9 20.9

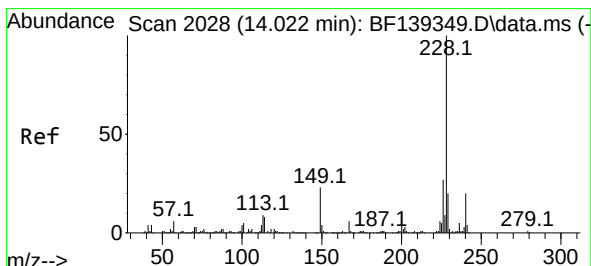
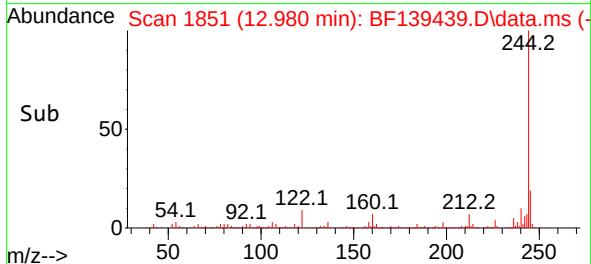
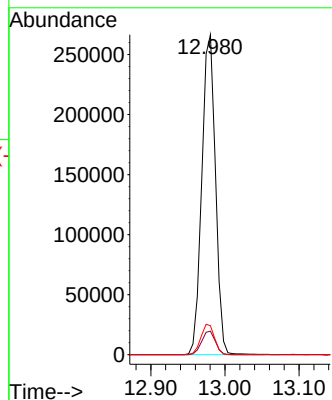
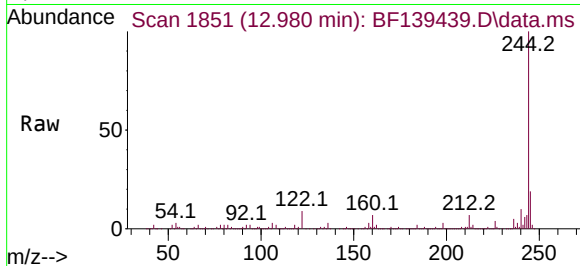




#79
 Terphenyl-d14
 Concen: 54.432 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139439.D
 Acq: 18 Sep 2024 21:41

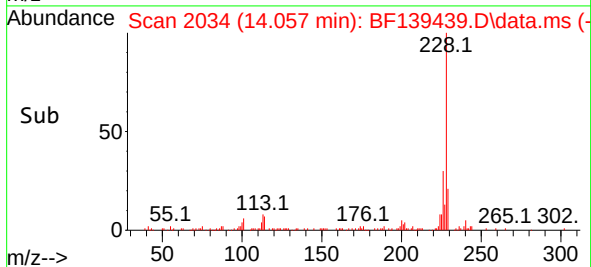
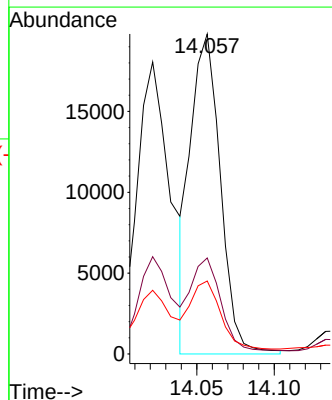
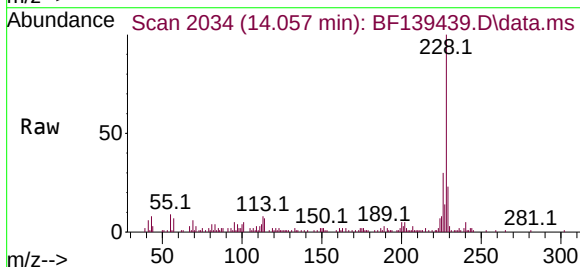
Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-01

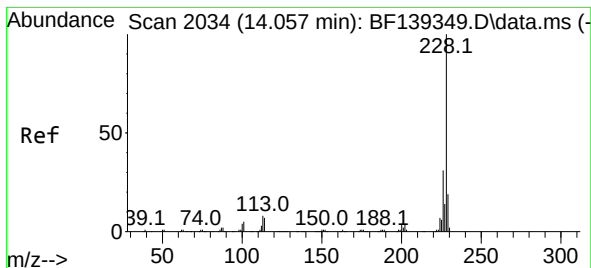
Tgt Ion:244 Resp: 341664
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.0 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 3.873 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.035 min
 Lab File: BF139439.D
 Acq: 18 Sep 2024 21:41

Tgt Ion:228 Resp: 26431
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.6 32.4
 229 22.8 15.7 23.5





#83

Chrysene

Concen: 4.210 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-01

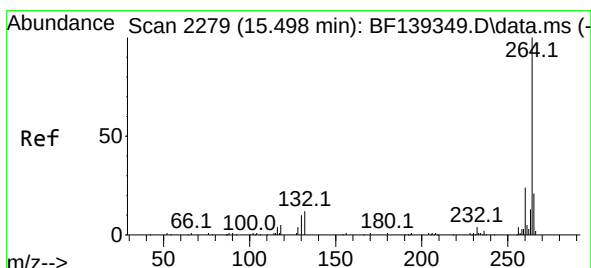
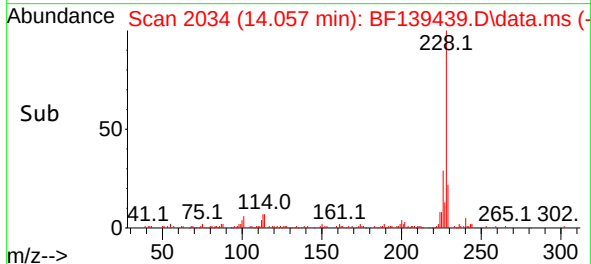
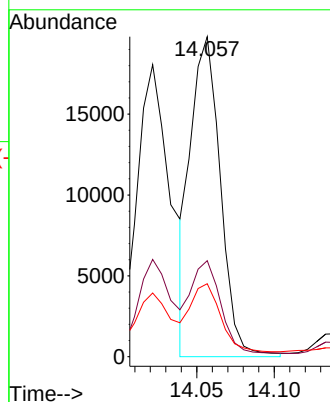
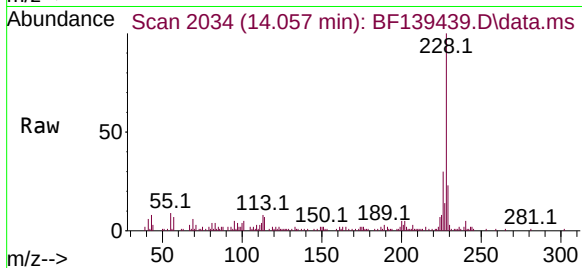
Tgt Ion:228 Resp: 26431

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 22.8 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: BF139439.D

Acq: 18 Sep 2024 21:41

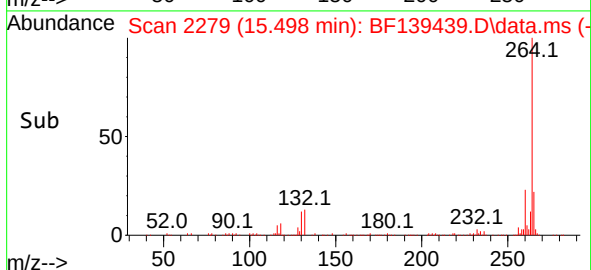
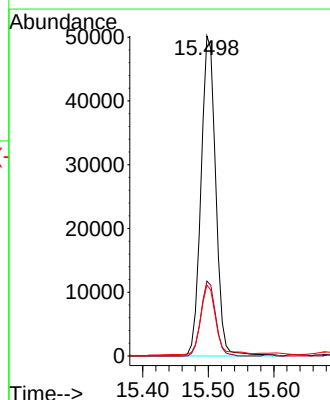
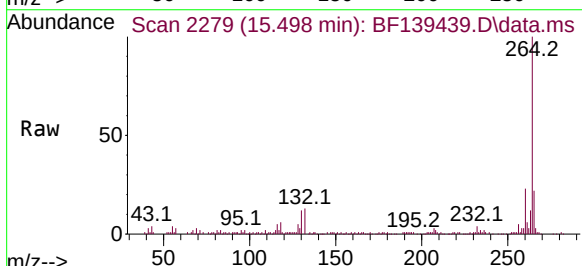
Tgt Ion:264 Resp: 78617

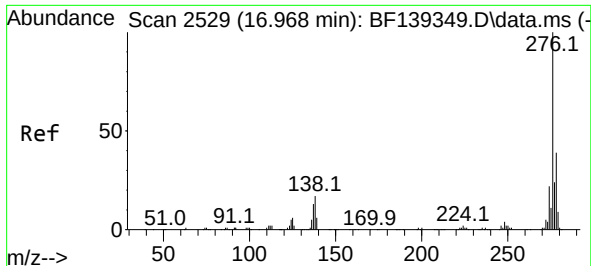
Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 22.2 16.6 25.0

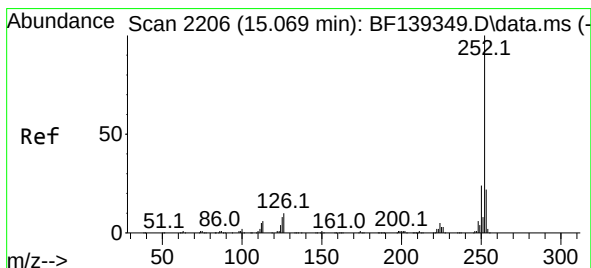
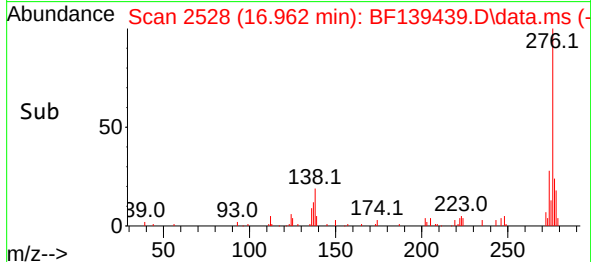
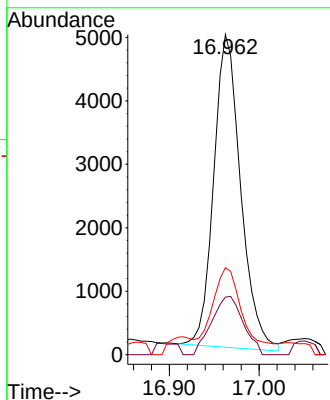
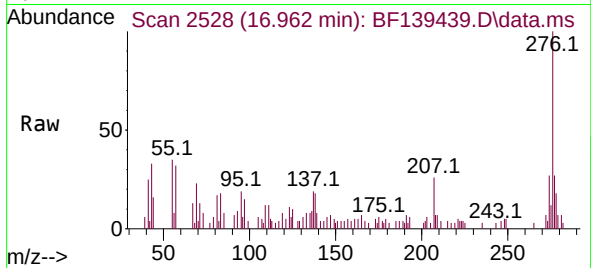




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.195 ng
 RT: 16.962 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139439.D
 Acq: 18 Sep 2024 21:41

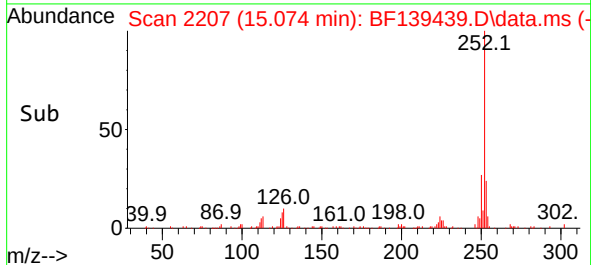
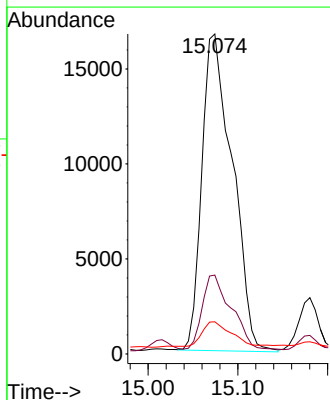
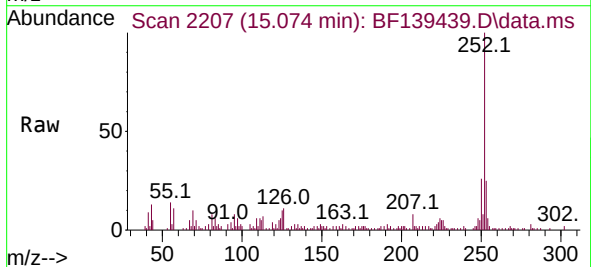
Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-01

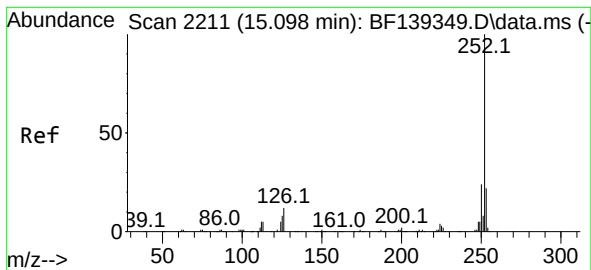
Tgt Ion:	276	Resp:	10260
Ion	Ratio	Lower	Upper
276	100		
138	21.8	15.4	23.2
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.111 ng
 RT: 15.074 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF139439.D
 Acq: 18 Sep 2024 21:41

Tgt Ion:	252	Resp:	39329
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	10.1	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 8.797 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-01

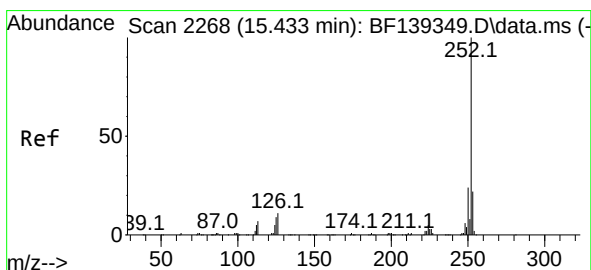
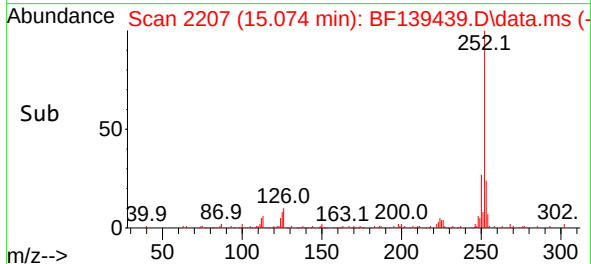
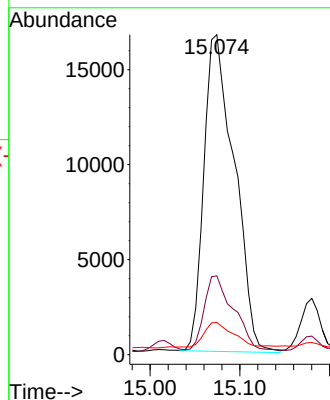
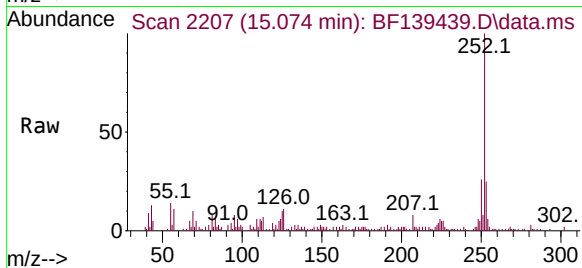
Tgt Ion:252 Resp: 39329

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

125 10.1 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 4.461 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.000 min

Lab File: BF139439.D

Acq: 18 Sep 2024 21:41

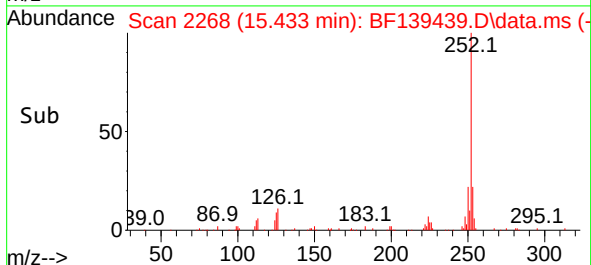
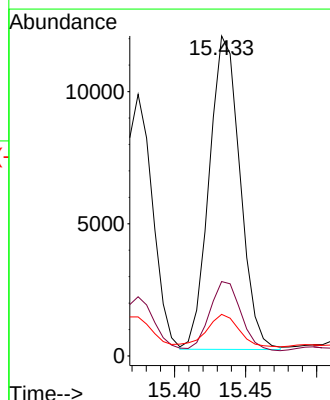
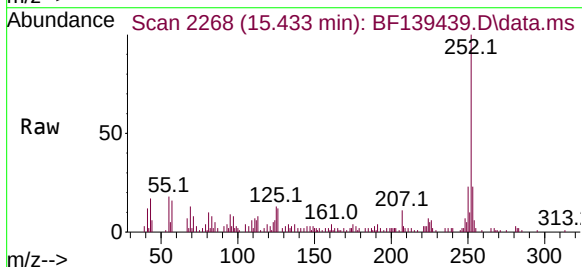
Tgt Ion:252 Resp: 17939

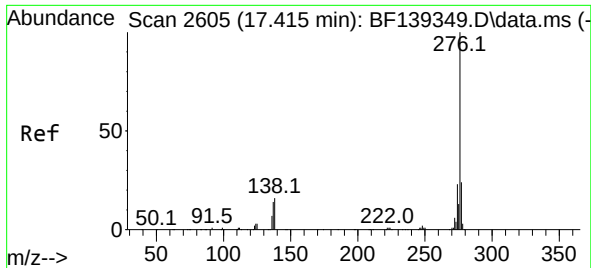
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

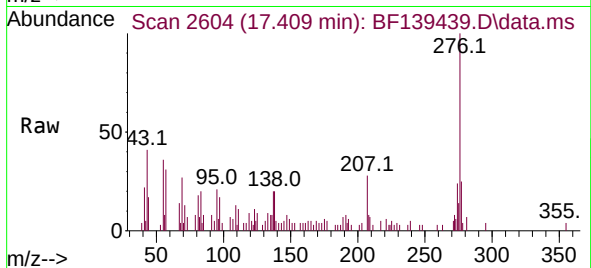
125 13.0 6.8 10.2#





#92
 Benzo(g,h,i)perylene
 Concen: 2.978 ng
 RT: 17.409 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139439.D
 Acq: 18 Sep 2024 21:41

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-01



Tgt Ion:	276	Resp:	11390
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	19.7	13.0	19.6#

