

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141649.D
 Acq On : 14 Feb 2025 19:34
 Operator : RC/JU
 Sample : Q1365-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Quant Time: Feb 14 22:07:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

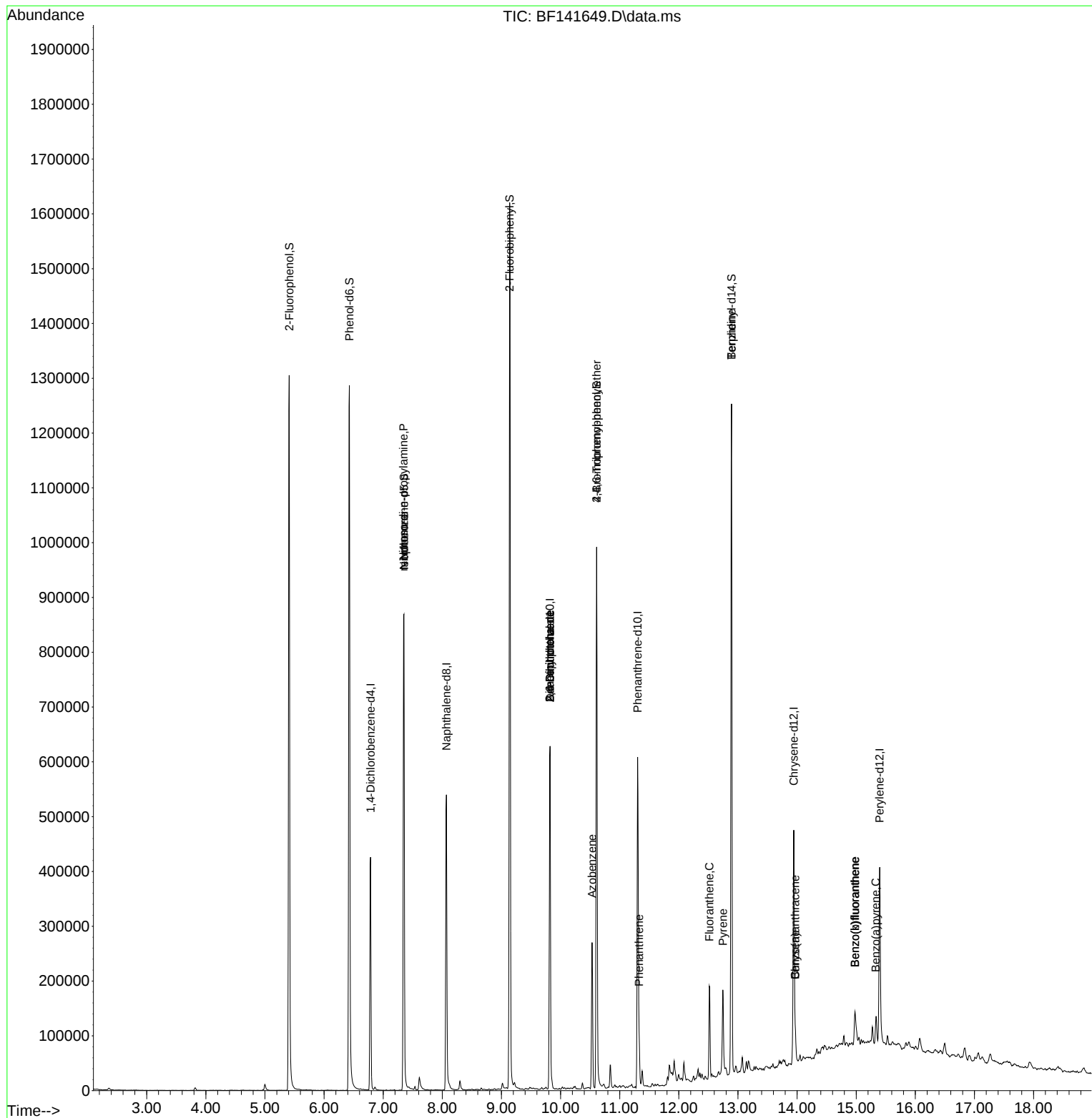
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90824	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372956	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	197185	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	319145	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	184713	20.000	ng	-0.02
86) Perylene-d12	15.398	264	191116	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	506837	87.487	ng	0.00
7) Phenol-d6	6.428	99	625522	85.428	ng	-0.01
23) Nitrobenzene-d5	7.351	82	411563	57.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	158386	79.960	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	729543	57.001	ng	-0.01
79) Terphenyl-d14	12.892	244	601561	54.979	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	55311	12.628	ng	# 76
25) Isophorone	7.351	82	398318	34.936	ng	# 66
50) Dimethylphthalate	9.822	163	30965	2.313	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	25217	8.617	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	25217	6.473	ng	# 19
63) Azobenzene	10.533	77	64583	4.933	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10469	2.935	ng	# 1
71) Phenanthrene	11.327	178	40729	2.318	ng	99
75) Fluoranthene	12.516	202	102533	5.505	ng	99
77) Benzidine	12.892	184	8580	2.106	ng	# 88
78) Pyrene	12.745	202	91092	5.793	ng	99
81) Benzo(a)anthracene	13.968	228	27936	2.275	ng	96
83) Chrysene	13.968	228	27936	2.464	ng	97
88) Benzo(b)fluoranthene	14.980	252	50645	3.947	ng	# 93
89) Benzo(k)fluoranthene	14.980	252	50645	4.622	ng	# 95
90) Benzo(a)pyrene	15.333	252	28848	2.778	ng	# 94

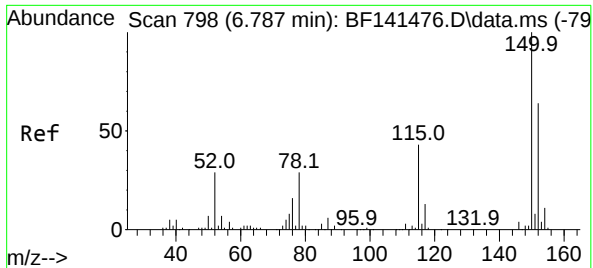
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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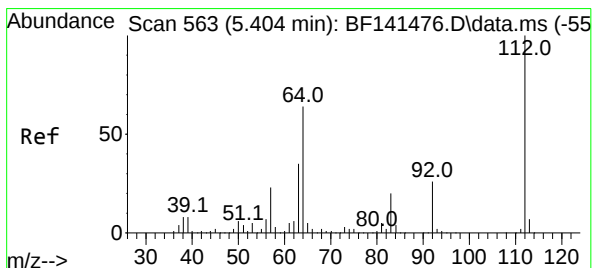
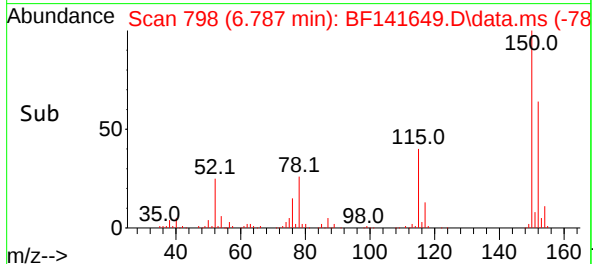
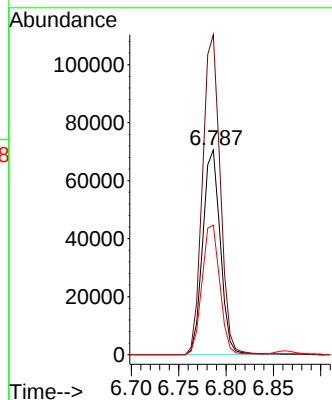
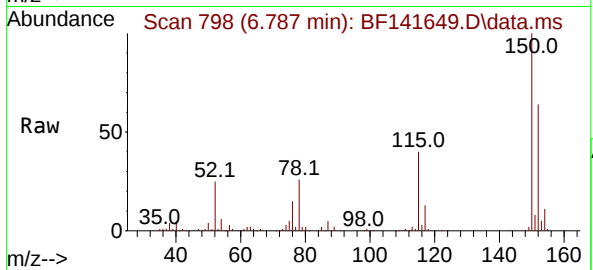




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

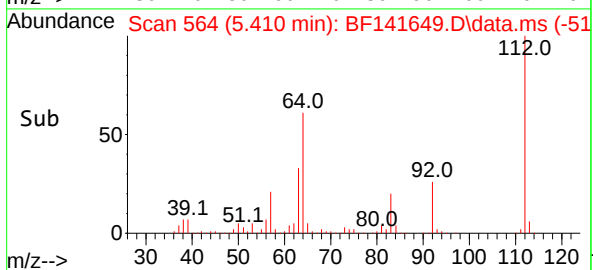
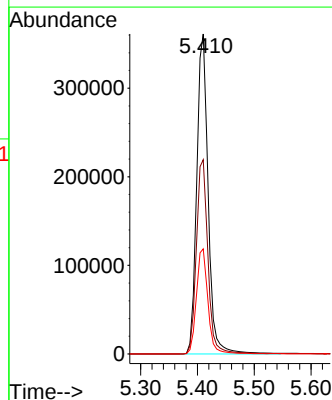
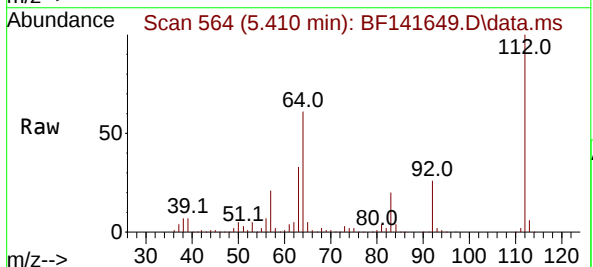
Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:152 Resp: 90824
Ion Ratio Lower Upper
152 100
150 156.4 125.0 187.4
115 63.2 53.6 80.4



#5
2-Fluorophenol
Concen: 87.487 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:112 Resp: 506837
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 32.8 28.4 42.6





#7
Phenol-d6
Concen: 85.428 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

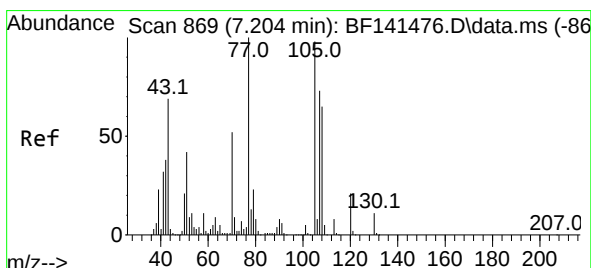
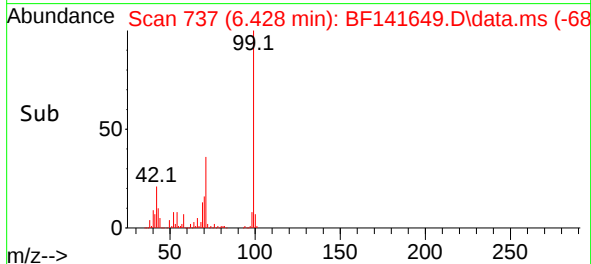
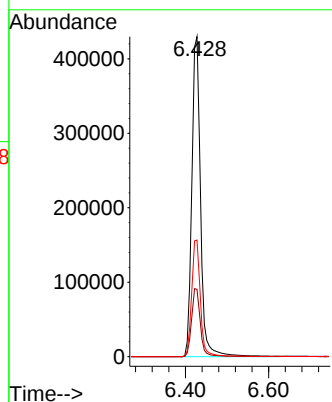
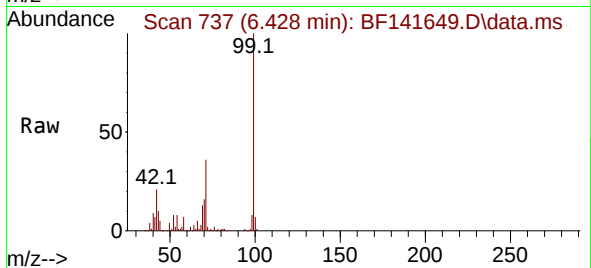
Instrument :

BNA_F

ClientSampleId :

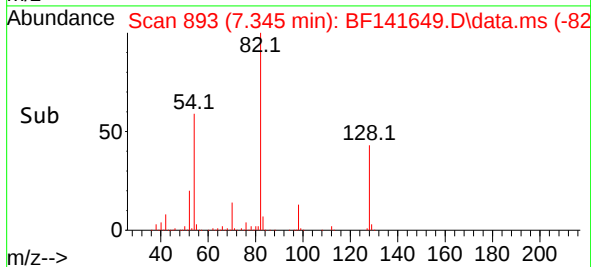
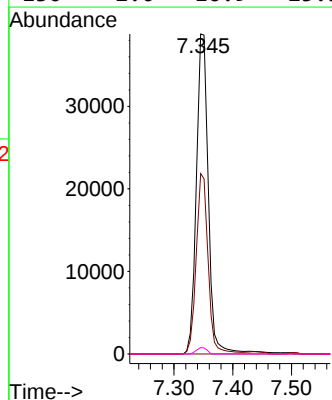
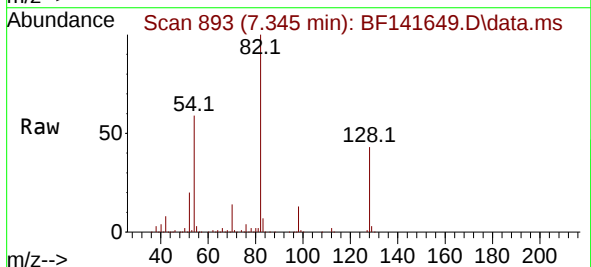
348

Tgt Ion: 99 Resp: 625522
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.628 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion: 70 Resp: 55311
Ion Ratio Lower Upper
70 100
42 56.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

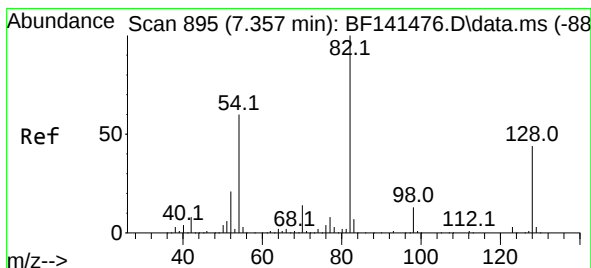
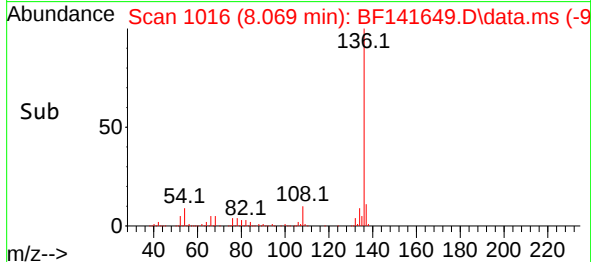
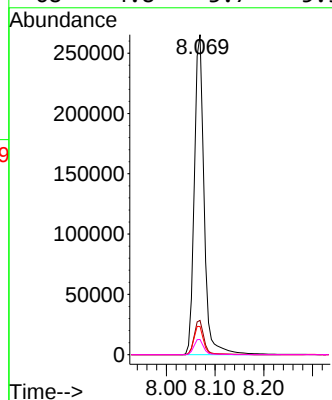
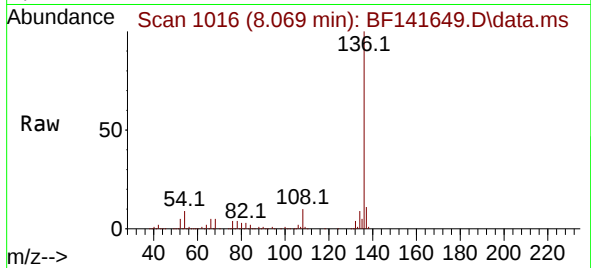




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

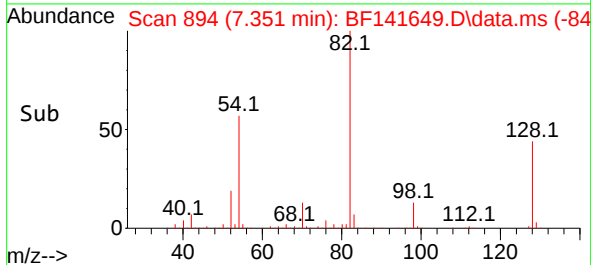
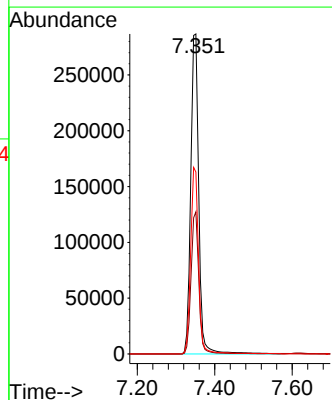
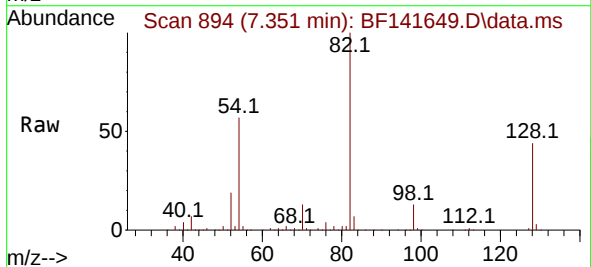
Instrument :
BNA_F
ClientSampleId :
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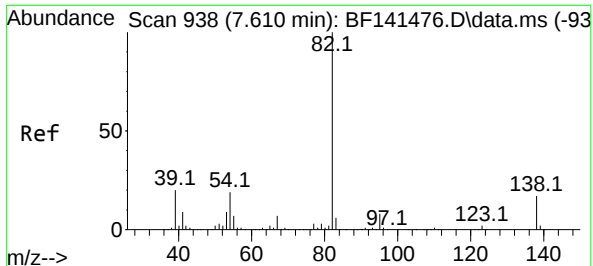
Tgt Ion:	136	Resp:	372956
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 57.557 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:	82	Resp:	411563
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.8	52.2
54	56.9	48.2	72.4

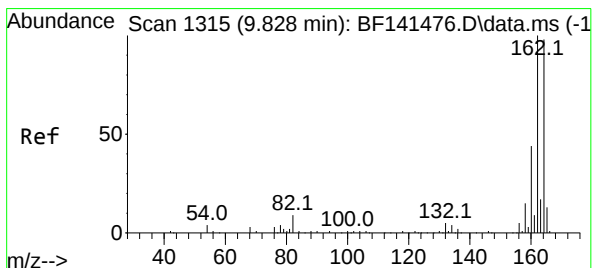
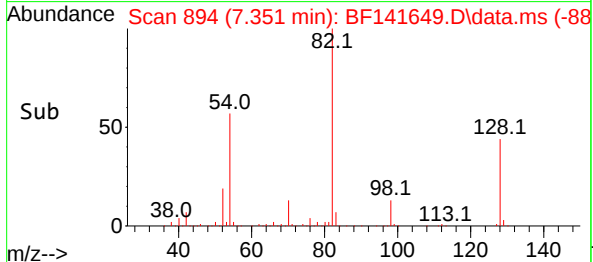
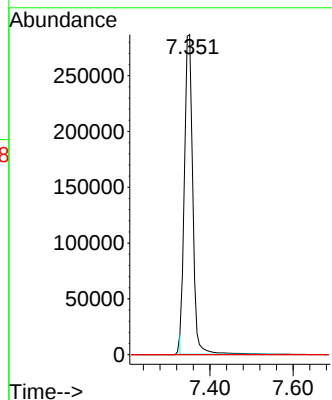
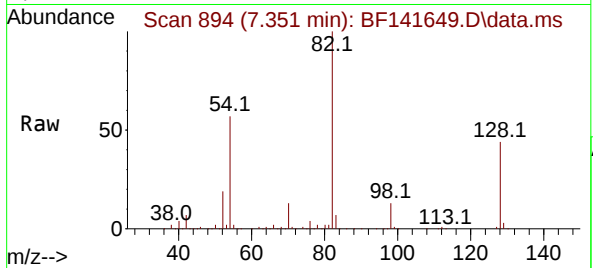




#25
Isophorone
Concen: 34.936 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

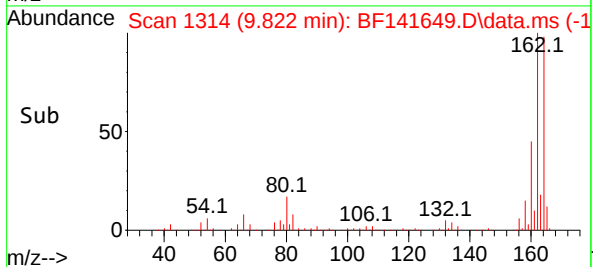
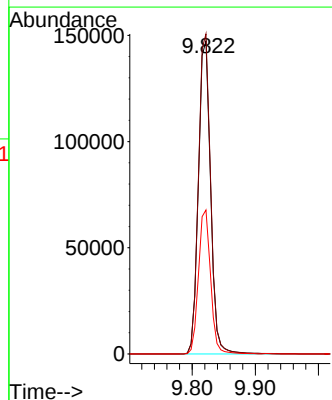
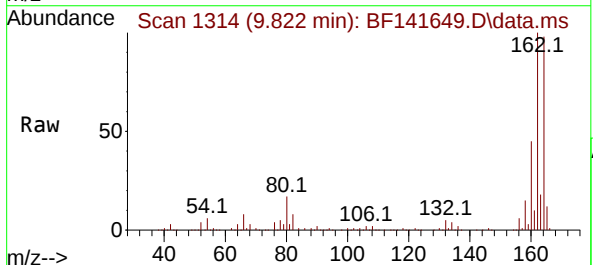
Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion: 82 Resp: 398318
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

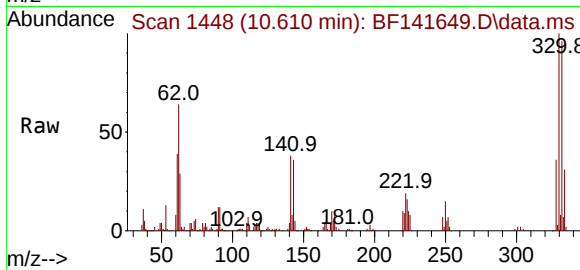
Tgt Ion: 164 Resp: 197185
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 46.0 35.9 53.9



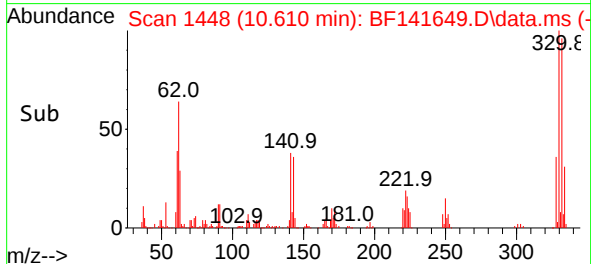
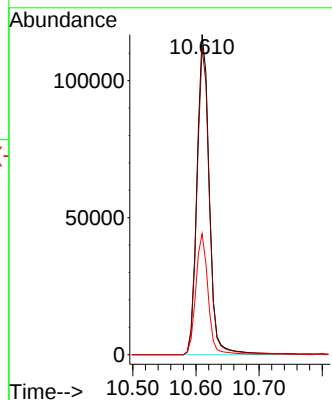


#42
2,4,6-Tribromophenol
Concen: 79.960 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Instrument :
BNA_F
ClientSampleId :
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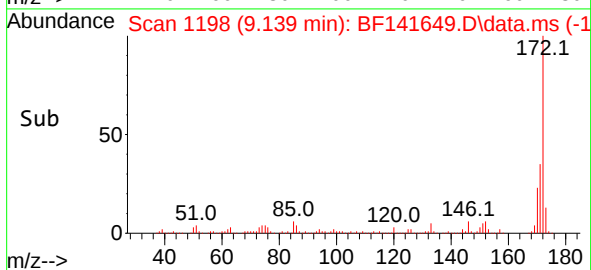
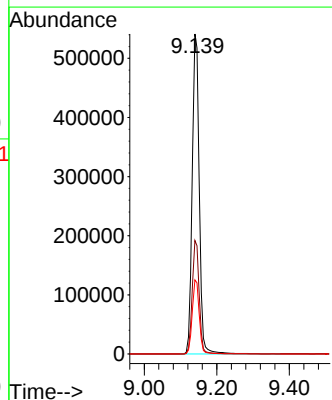
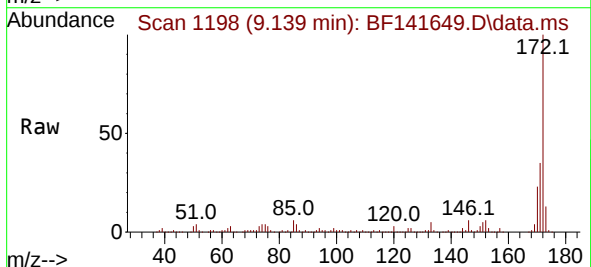


Tgt Ion:330 Resp: 158386
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 37.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 57.001 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:172 Resp: 729543
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

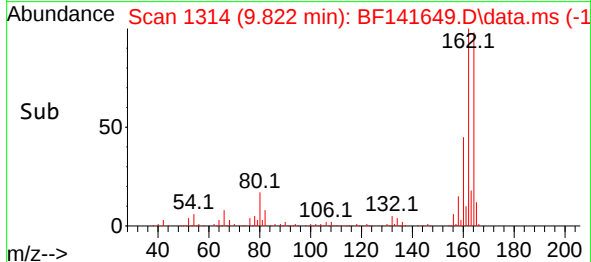
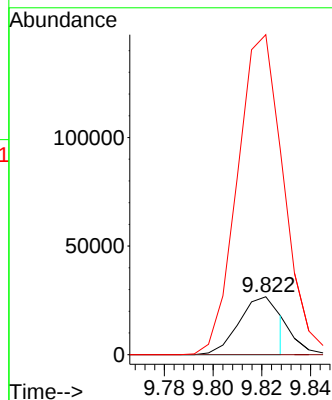
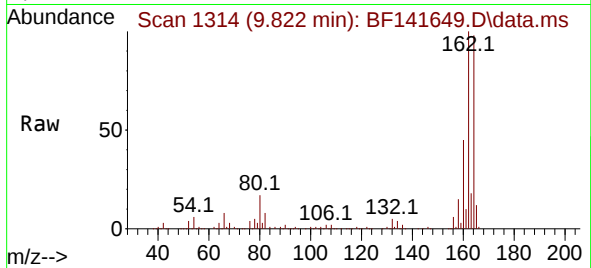




#50
Dimethylphthalate
Concen: 2.313 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

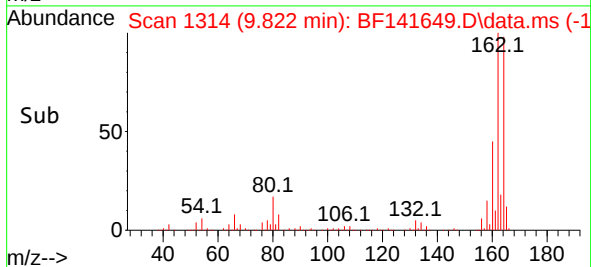
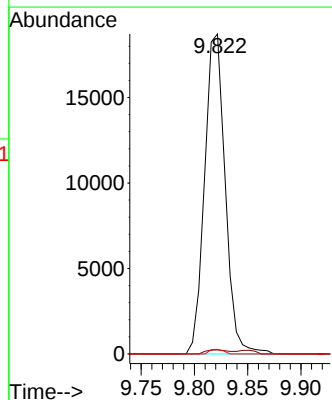
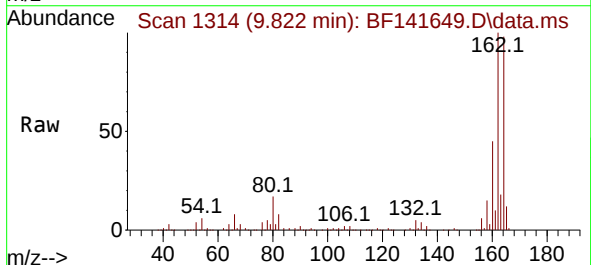
Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:163 Resp: 30965
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 553.0 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.617 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

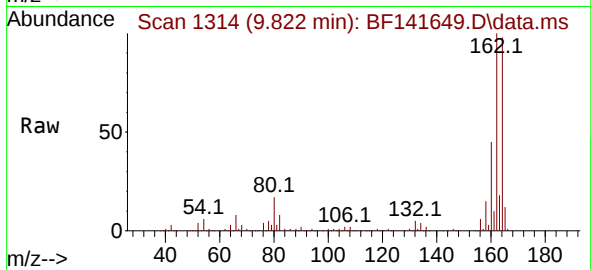
Tgt Ion:165 Resp: 25217
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.5 46.5 69.7#



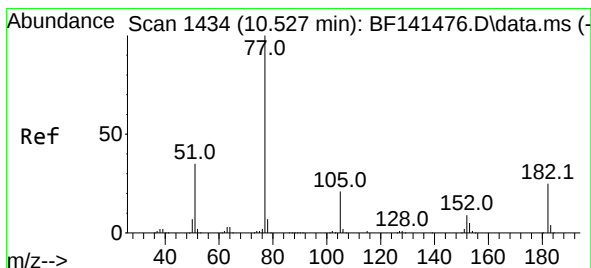
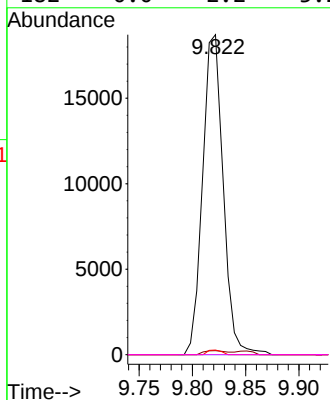
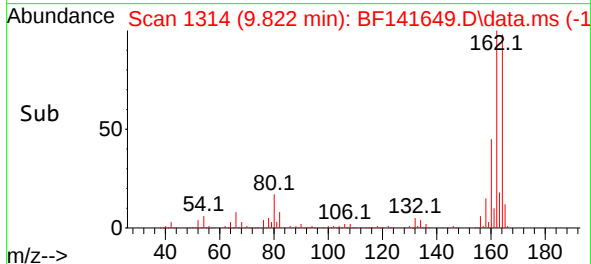


#57
2,4-Dinitrotoluene
Concen: 6.473 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

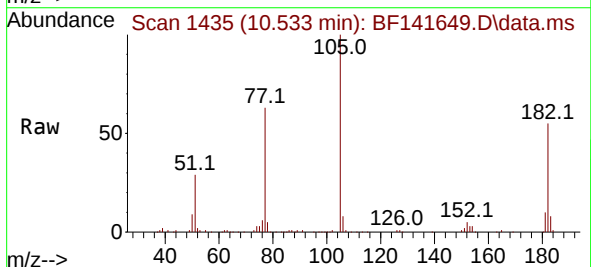
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BNA_F
ClientSampleId :
348



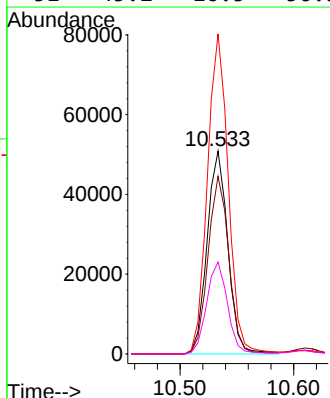
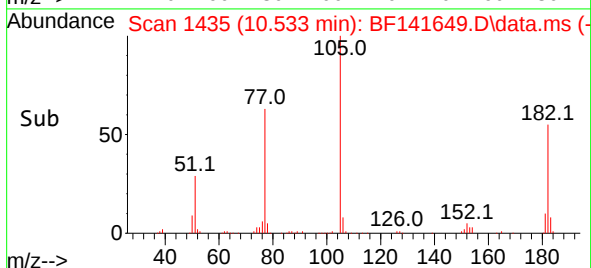
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Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.5 61.8 92.6#
182 0.0 2.2 3.2#

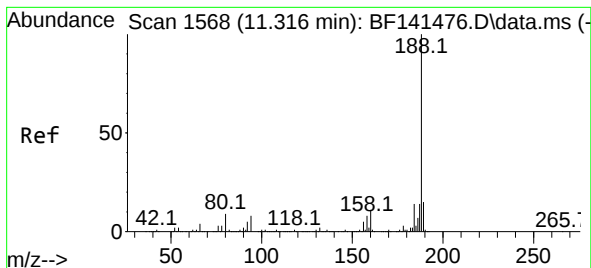


#63
Azobenzene
Concen: 4.933 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34



Tgt Ion: 77 Resp: 64583
Ion Ratio Lower Upper
77 100
182 87.5 4.7 44.7#
105 157.7 0.4 40.4#
51 45.2 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

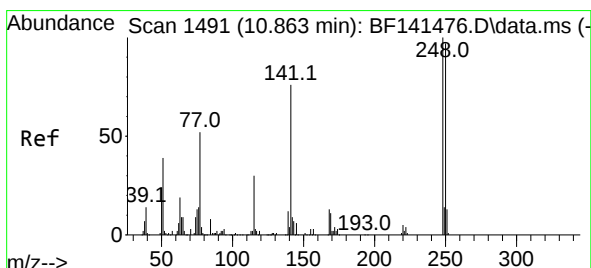
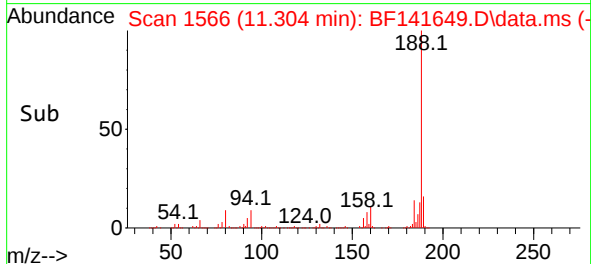
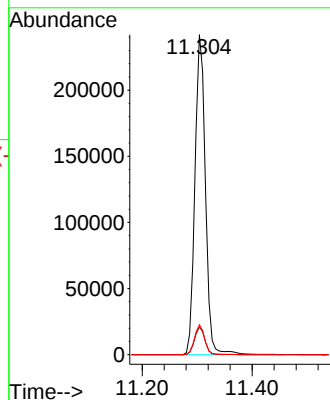
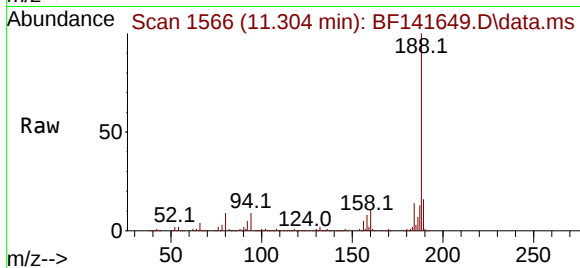
Tgt Ion:188 Resp: 319145

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.935 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

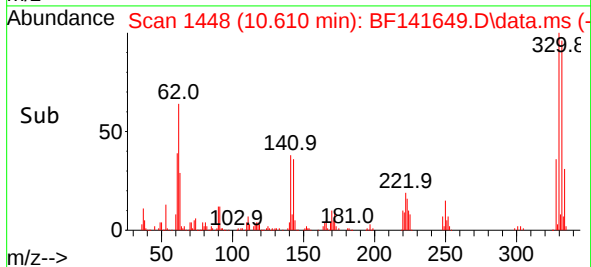
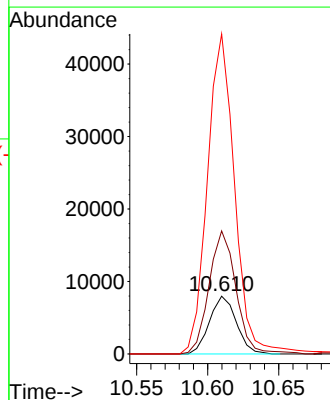
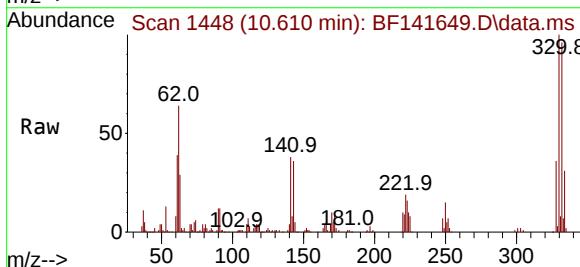
Tgt Ion:248 Resp: 10469

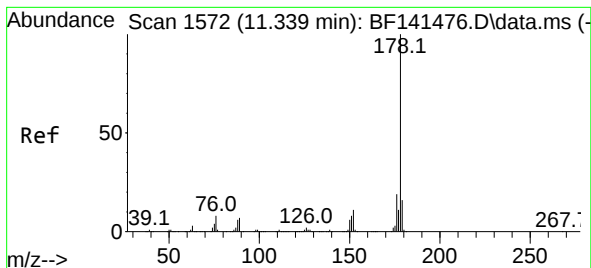
Ion Ratio Lower Upper

248 100

250 212.7 77.8 116.6#

141 553.4 60.6 90.8#





#71

Phenanthrene

Concen: 2.318 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

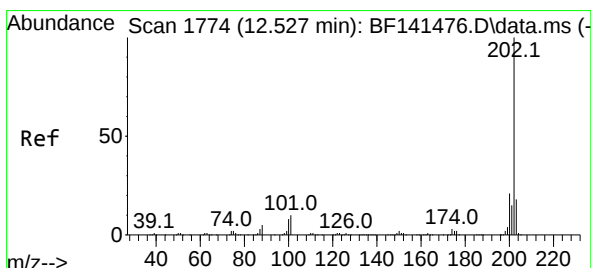
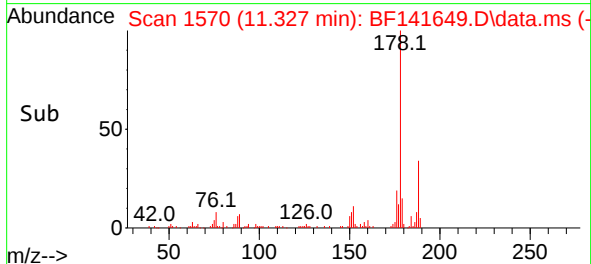
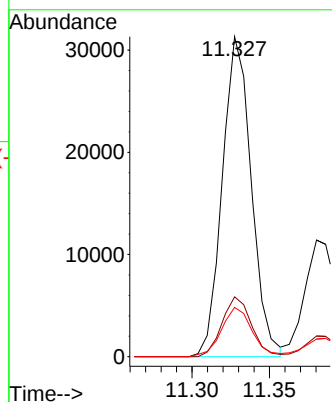
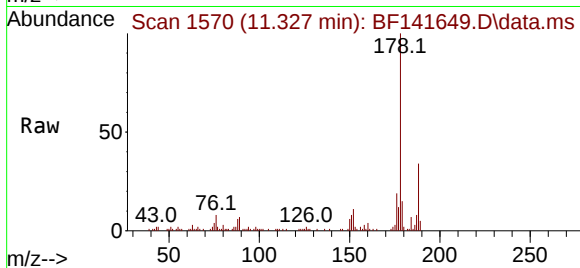
Tgt Ion:178 Resp: 40729

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.4 12.4 18.6



#75

Fluoranthene

Concen: 5.505 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

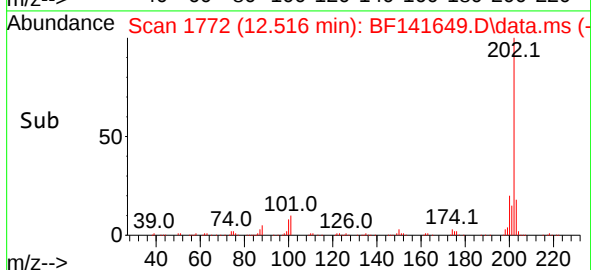
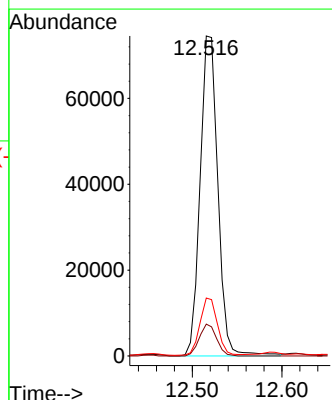
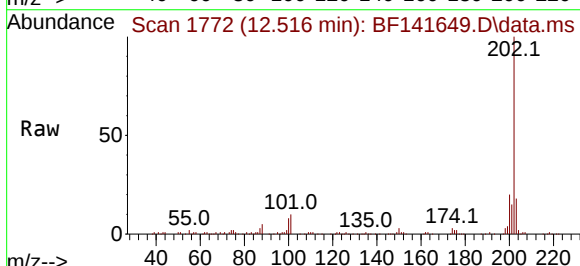
Tgt Ion:202 Resp: 102533

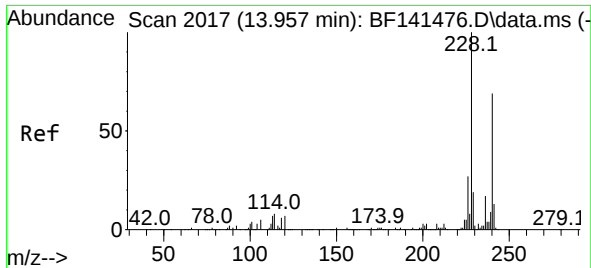
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 18.1 0.0 37.6

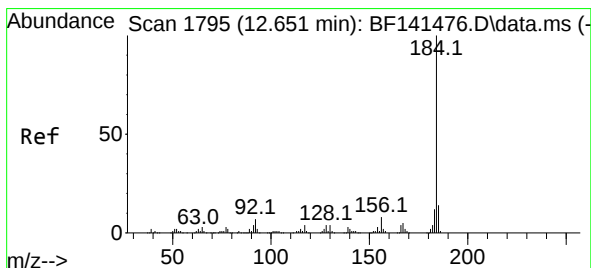
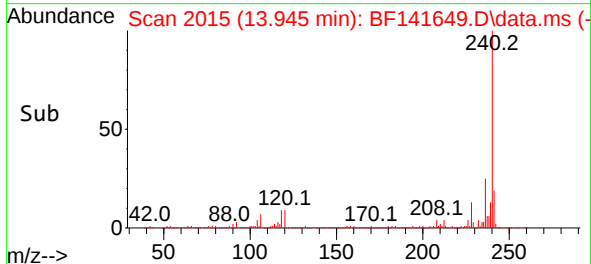
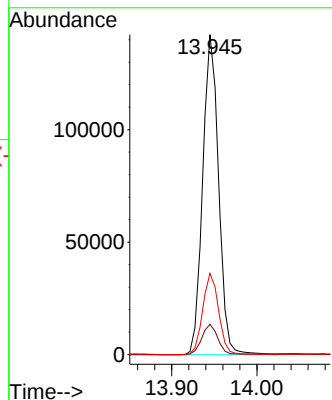
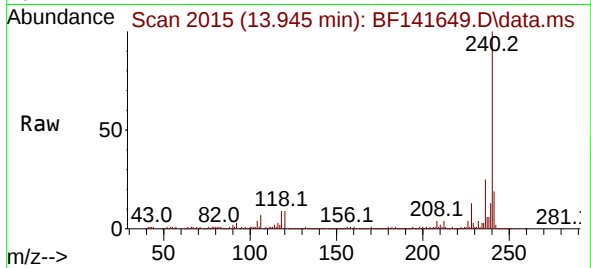




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

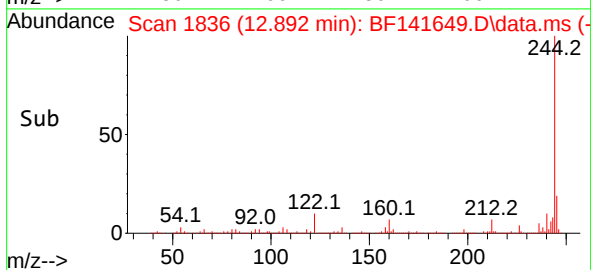
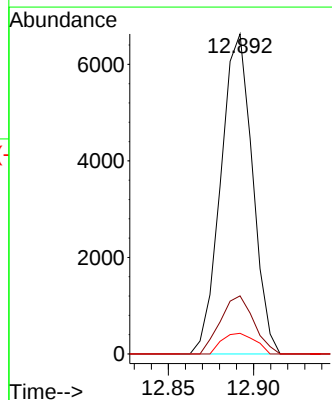
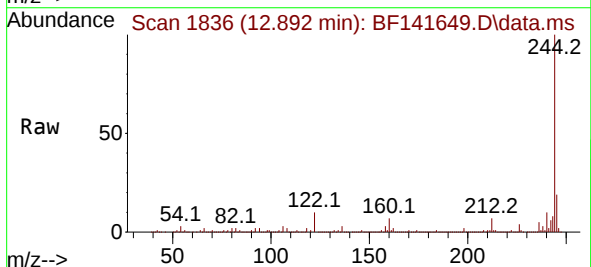
Instrument :
BNA_F
ClientSampleId :
348

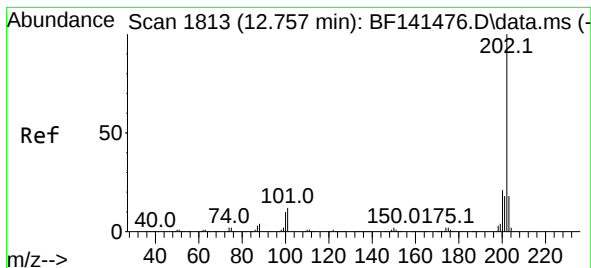
Tgt Ion:240 Resp: 184713
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 25.4 19.8 29.8



#77
Benidine
Concen: 2.106 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.235 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:184 Resp: 8580
Ion Ratio Lower Upper
184 100
185 18.2 11.3 16.9#
183 6.4 9.3 13.9#





#78

Pyrene

Concen: 5.793 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

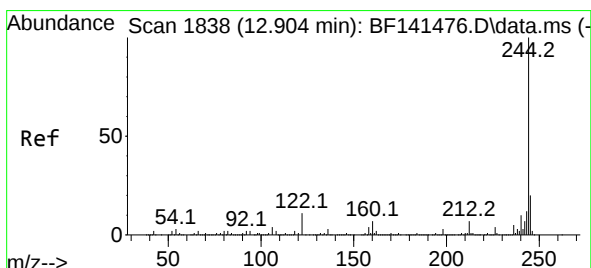
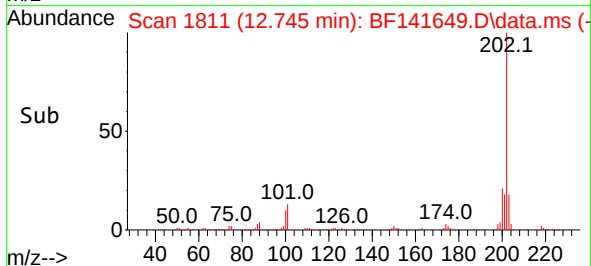
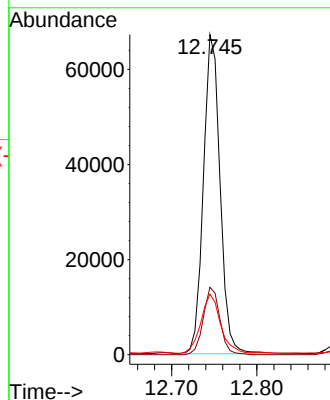
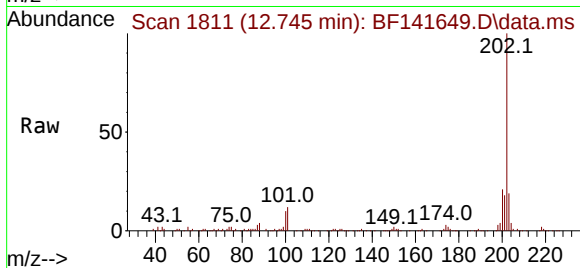
Tgt Ion:202 Resp: 91092

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 18.9 14.3 21.5



#79

Terphenyl-d14

Concen: 54.979 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

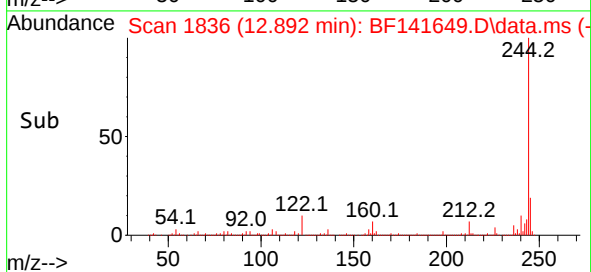
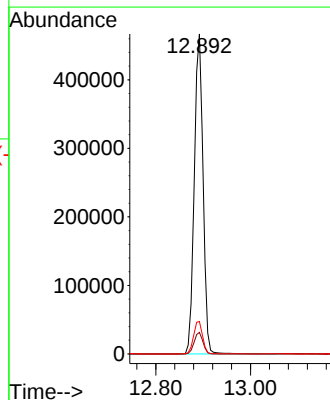
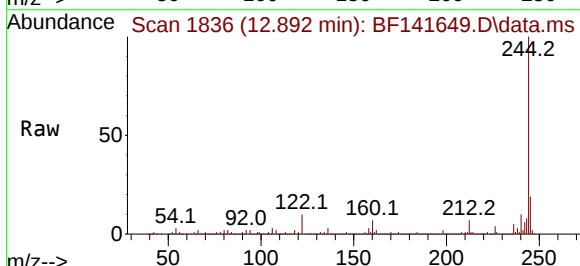
Tgt Ion:244 Resp: 601561

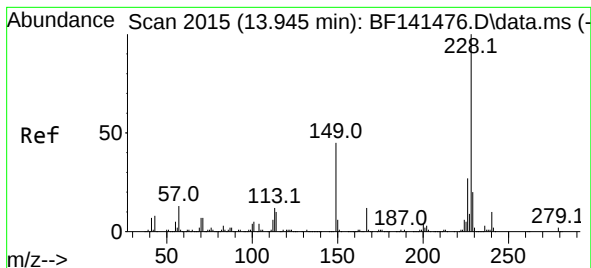
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.1 8.4 12.6





#81

Benzo(a)anthracene

Concen: 2.275 ng

RT: 13.968 min Scan# 2019

Delta R.T. 0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

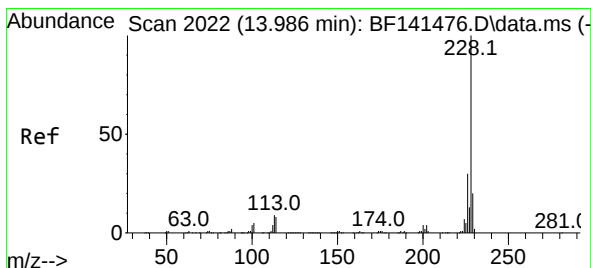
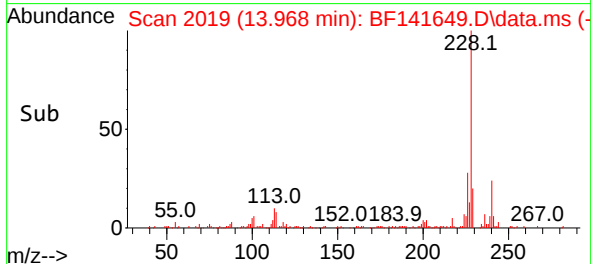
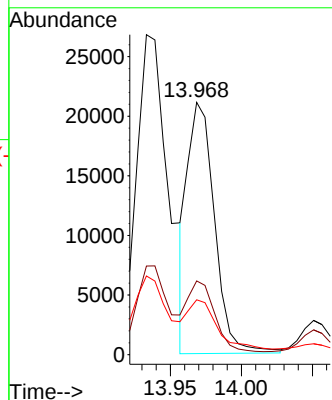
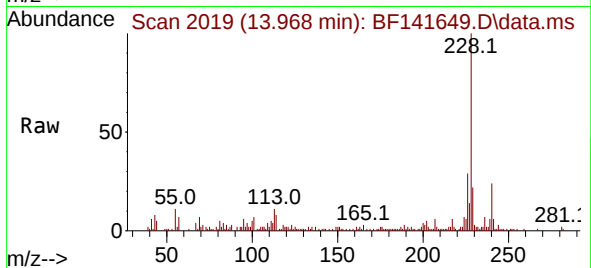
Tgt Ion:228 Resp: 27936

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 21.7 15.8 23.6



#83

Chrysene

Concen: 2.464 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.023 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

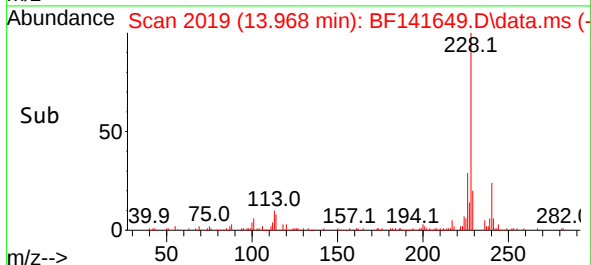
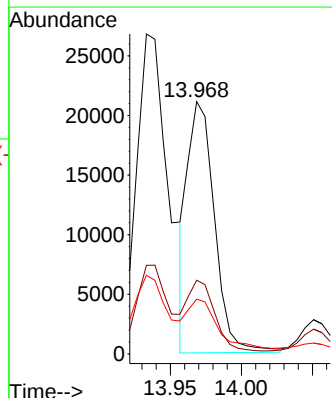
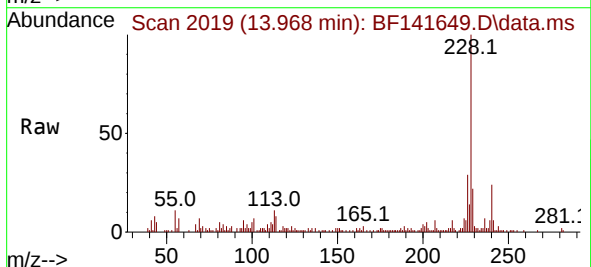
Tgt Ion:228 Resp: 27936

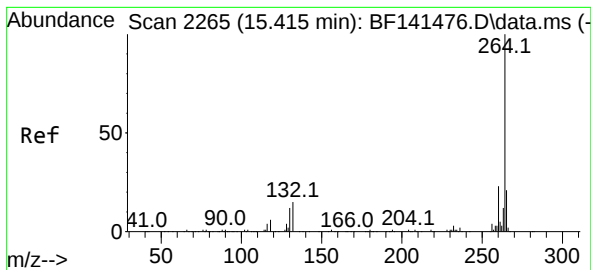
Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

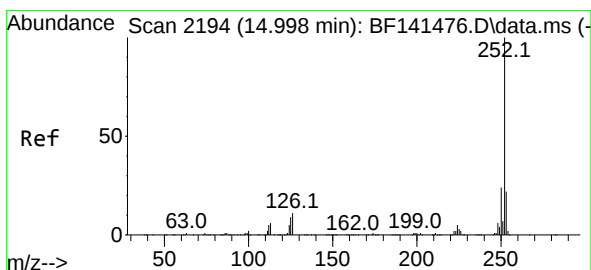
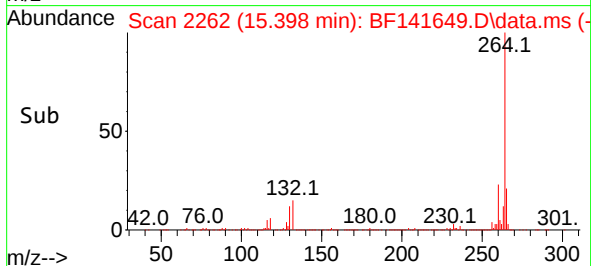
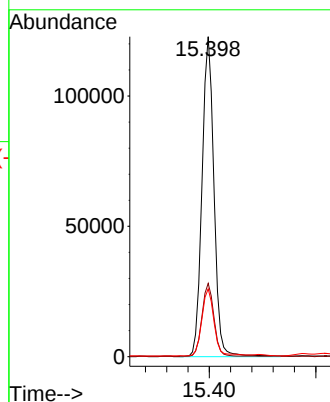
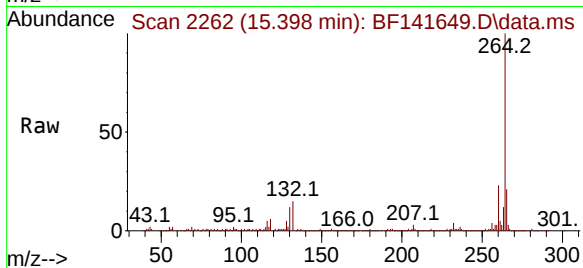
Tgt Ion:264 Resp: 191116

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.947 ng

RT: 14.980 min Scan# 2191

Delta R.T. -0.023 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

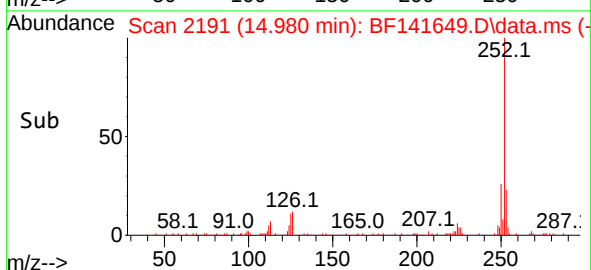
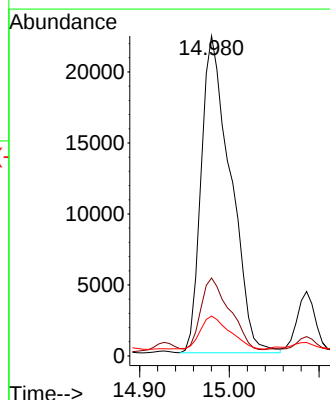
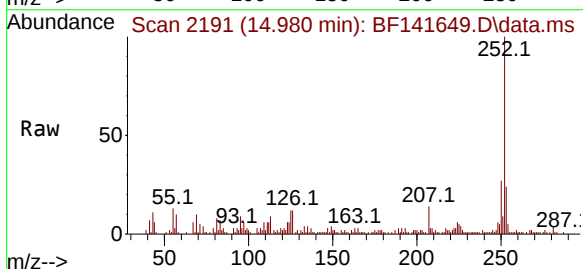
Tgt Ion:252 Resp: 50645

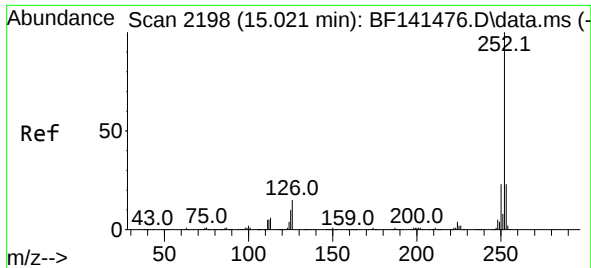
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 12.5 7.0 10.6#

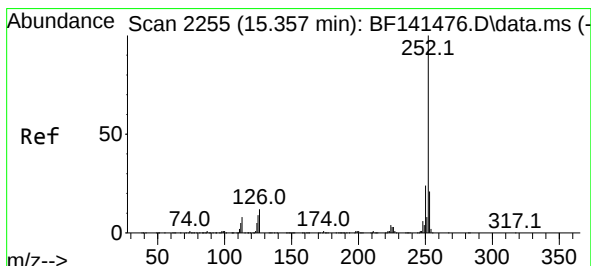
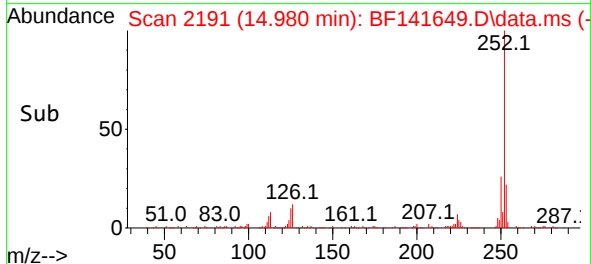
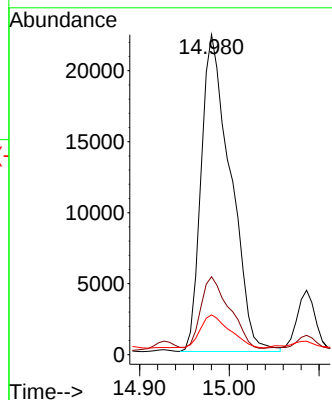
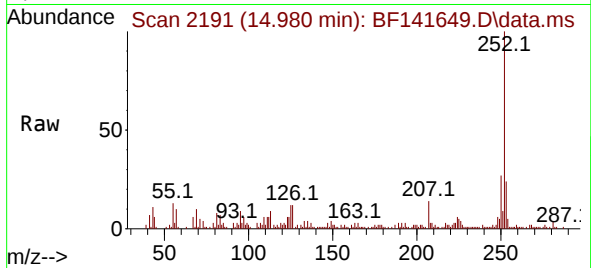




#89
Benzo(k)fluoranthene
Concen: 4.622 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.053 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:252 Resp: 50645
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 12.5 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.778 ng
RT: 15.333 min Scan# 2251
Delta R.T. -0.029 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:252 Resp: 28848
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 13.0 7.4 11.2#

