

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102220\
 Data File : BF122087.D
 Acq On : 22 Oct 2020 17:00
 Operator : JU/CG
 Sample : L4436-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 33A

Quant Time: Oct 22 18:22:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

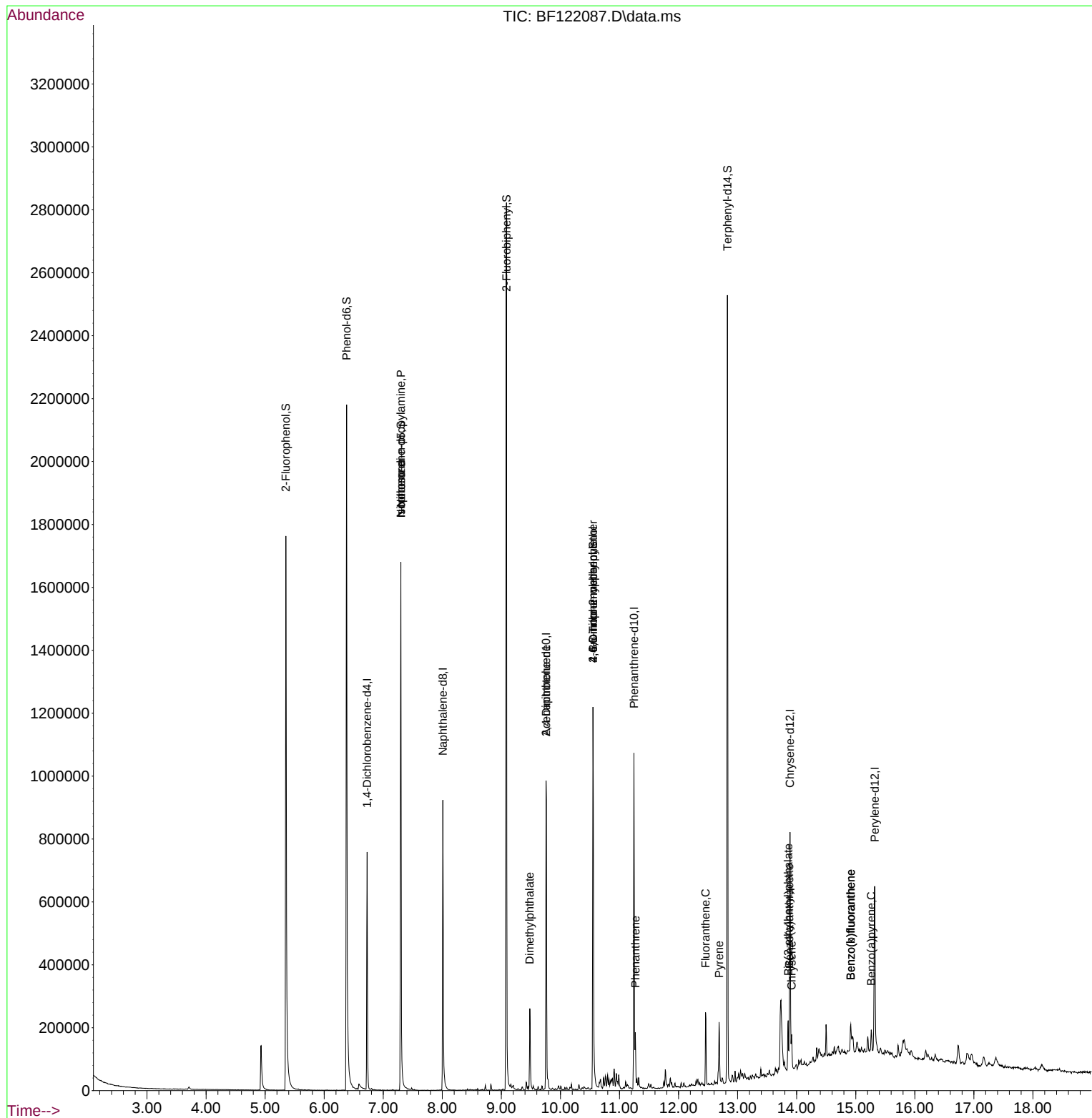
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	105292	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	415756	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	211720	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	362429	20.00	ng	0.00
76) Chrysene-d12	13.886	240	237044	20.00	ng	0.00
86) Perylene-d12	15.321	264	239502	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	563814	79.03	ng	0.00
7) Phenol-d6	6.381	99	780642	85.00	ng	0.00
23) Nitrobenzene-d5	7.298	82	554713	68.43	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	170024	64.92	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	938115	65.19	ng	0.00
79) Terphenyl-d14	12.827	244	772647	62.12	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	1277	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.298	70	74779	14.30	ng	# 78
25) Isophorone	7.298	82	554710	36.19	ng	# 67
50) Dimethylphthalate	9.480	163	114375	7.39	ng	99
57) 2,4-Dinitrotoluene	9.757	165	27224	6.51	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.551	198	107	4.47	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	9946	2.38	ng	# 1
71) Phenanthrene	11.268	178	59881	3.01	ng	98
75) Fluoranthene	12.457	202	93212	4.37	ng	100
78) Pyrene	12.686	202	79725	4.41	ng	99
81) Benzo(a)anthracene	13.874	228	38945	2.51	ng	97
83) Chrysene	13.915	228	37181	2.44	ng	97
84) Bis(2-ethylhexyl)phtha...	13.857	149	32330	3.32	ng	99
88) Benzo(b)fluoranthene	14.915	252	63890	3.95	ng	# 95
89) Benzo(k)fluoranthene	14.915	252	63890	4.15	ng	# 94
90) Benzo(a)pyrene	15.262	252	33780	2.42	ng	95

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

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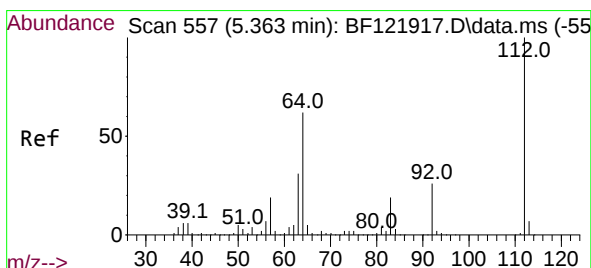
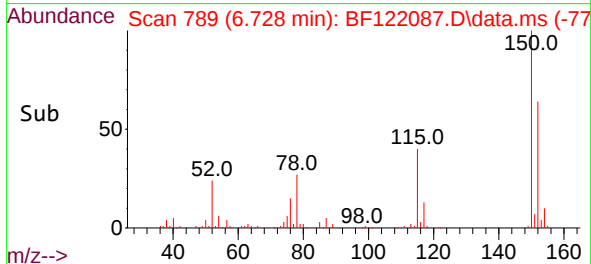
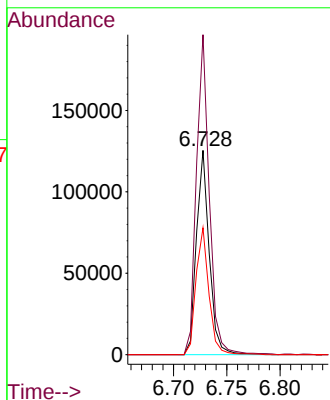
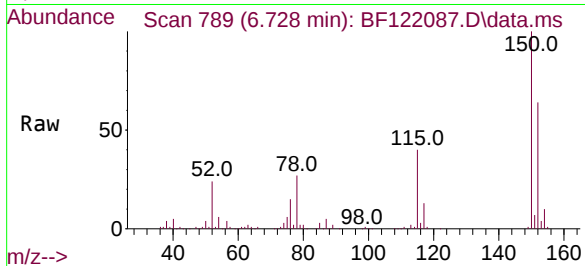




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

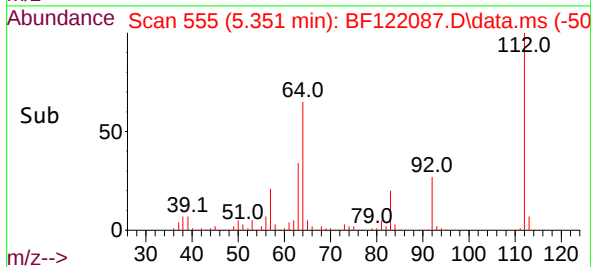
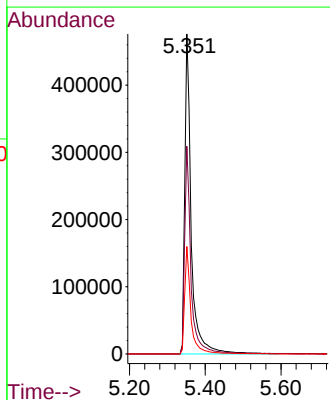
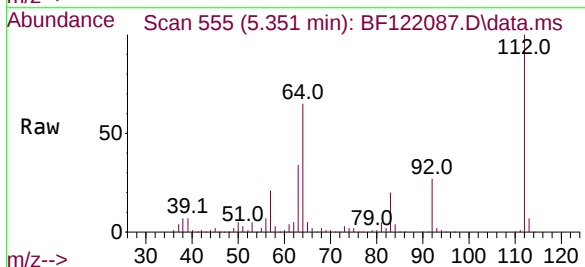
Instrument :
BNA_F
ClientSampleId :
33A

Tgt Ion:152 Resp: 105292
Ion Ratio Lower Upper
152 100
150 156.7 125.3 187.9
115 62.1 51.9 77.9



#5
2-Fluorophenol
Concen: 79.03 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:112 Resp: 563814
Ion Ratio Lower Upper
112 100
64 64.9 50.4 75.6
63 33.6 25.8 38.6

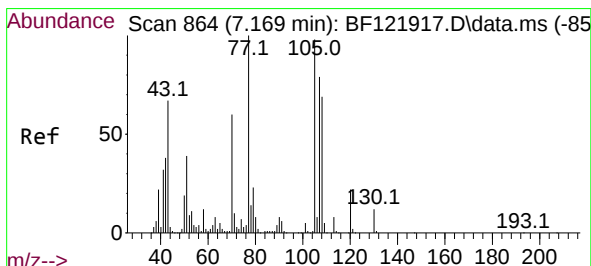
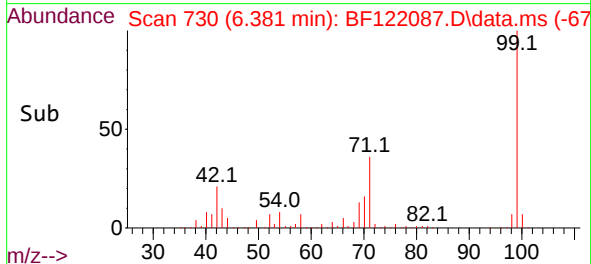
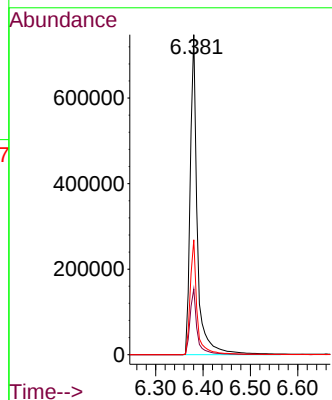
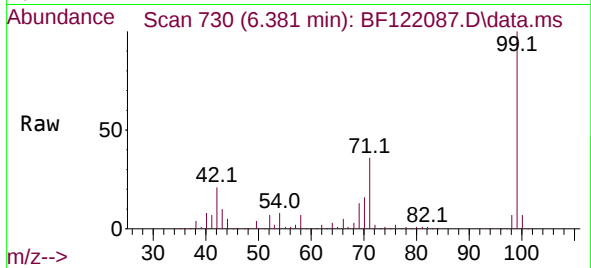




#7
Phenol-d6
Concen: 85.00 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

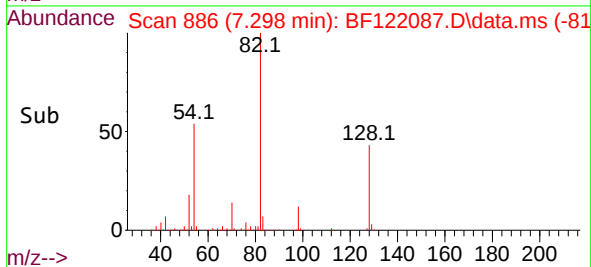
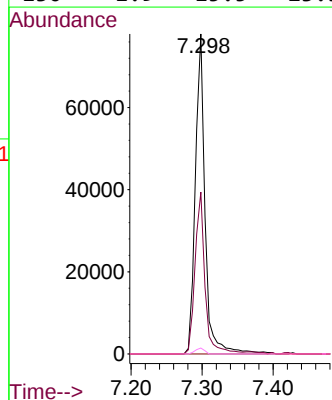
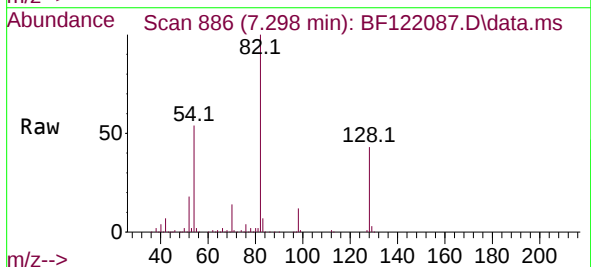
Instrument :
BNA_F
ClientSampled :
33A

Tgt Ion: 99 Resp: 780642
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 35.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.30 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion: 70 Resp: 74779
Ion Ratio Lower Upper
70 100
42 50.6 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

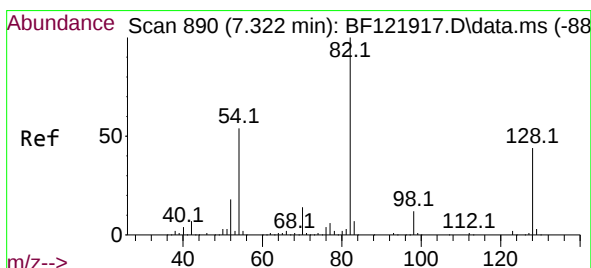
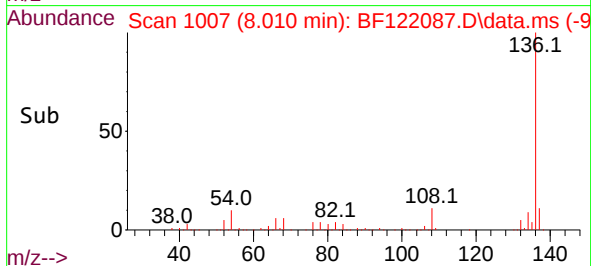
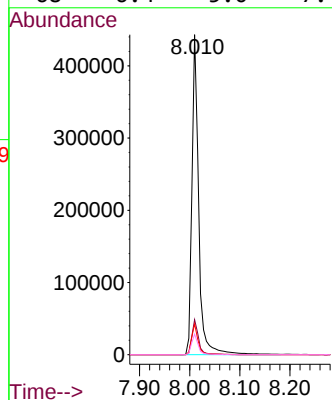
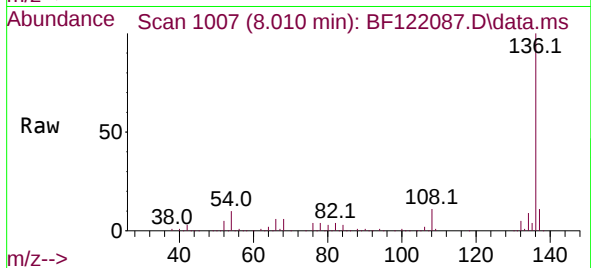




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

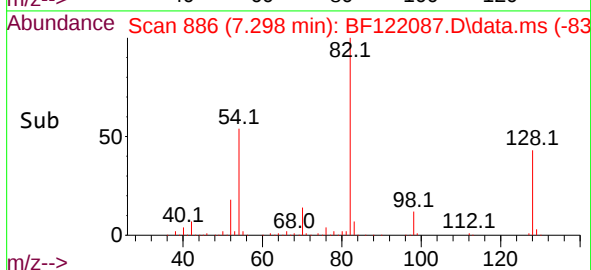
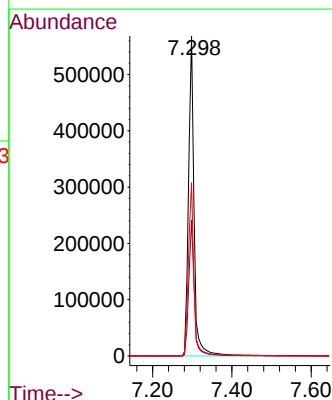
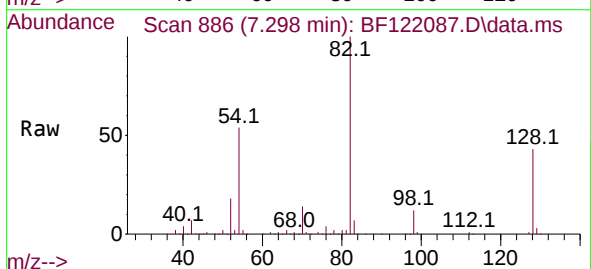
Instrument :
BNA_F
ClientSampled :
33A

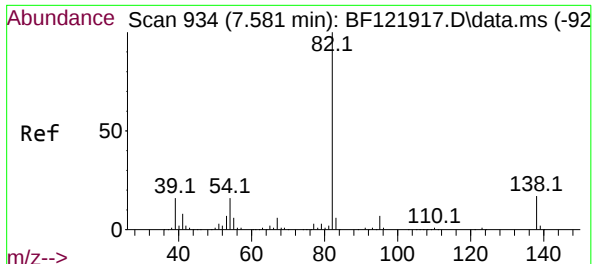
Tgt Ion:136 Resp: 415756
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.1 10.7
68 6.4 5.0 7.4



#23
Nitrobenzene-d5
Concen: 68.43 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion: 82 Resp: 554713
Ion Ratio Lower Upper
82 100
128 42.5 35.0 52.4
54 54.1 43.9 65.9

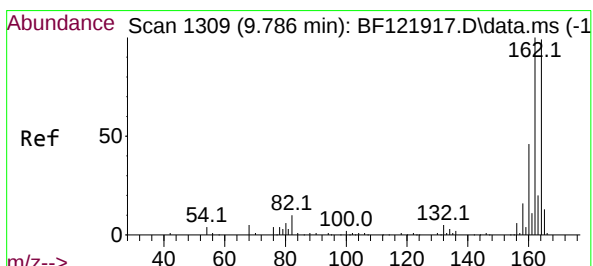
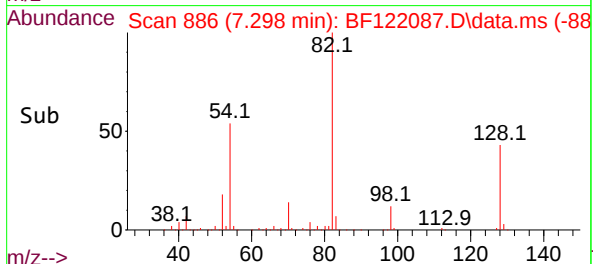
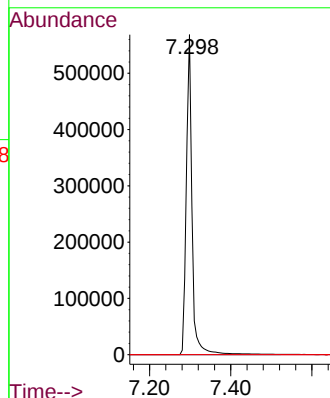
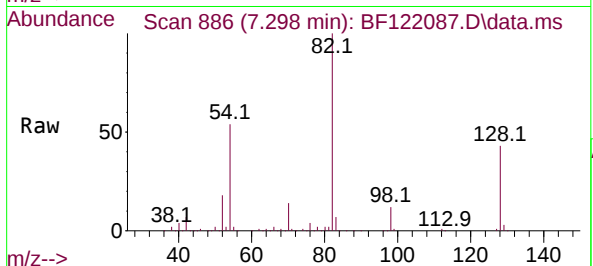




#25
Isophorone
Concen: 36.19 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.265 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

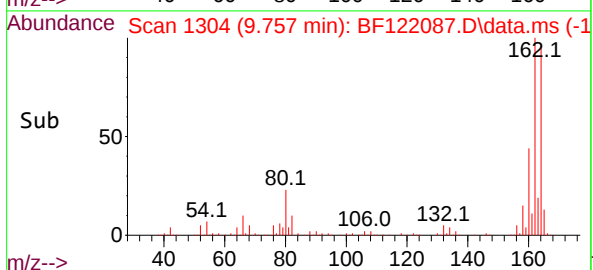
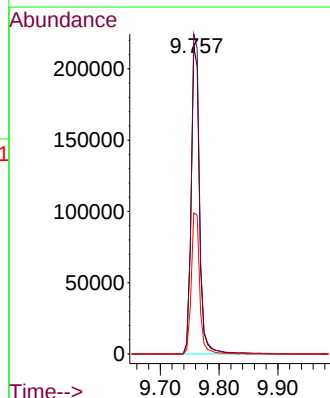
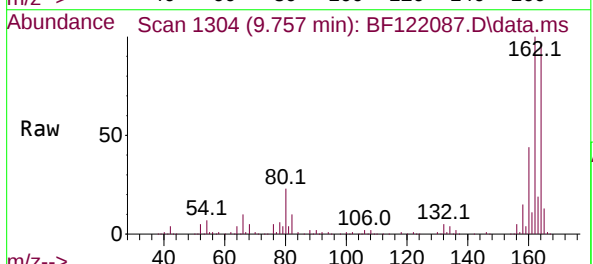
Instrument :
BNA_F
ClientSampleId :
33A

Tgt Ion: 82 Resp: 554710
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion: 164 Resp: 211720
Ion Ratio Lower Upper
164 100
162 104.1 83.2 124.8
160 45.9 37.5 56.3

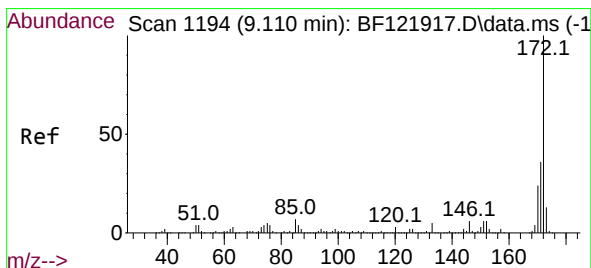
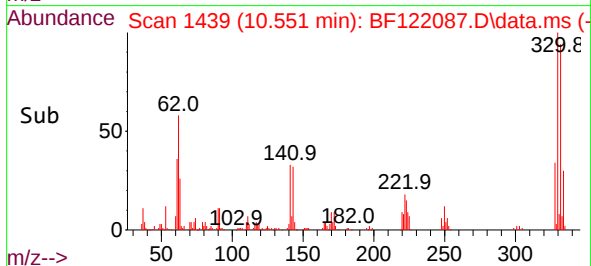
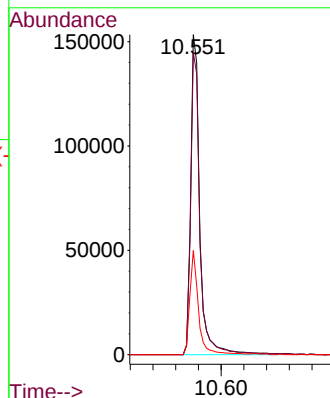
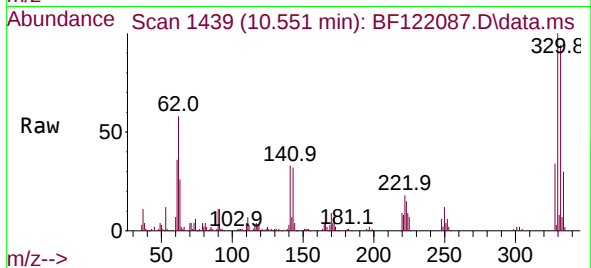




#42
2,4,6-Tribromophenol
Concen: 64.92 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

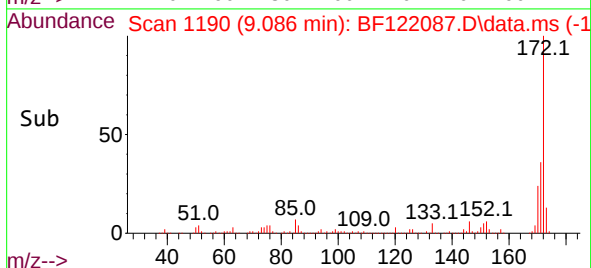
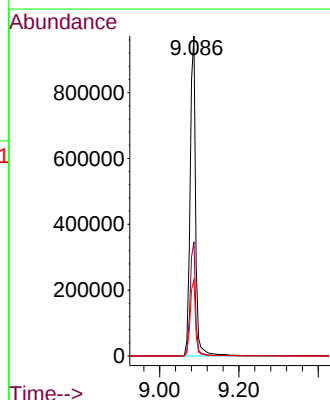
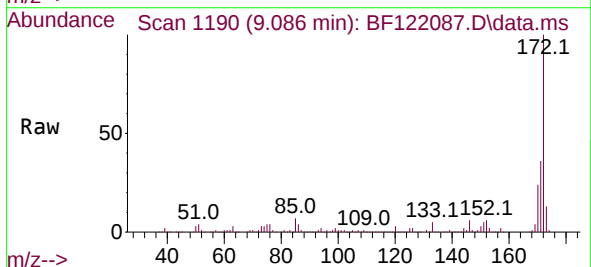
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ClientSampleId :
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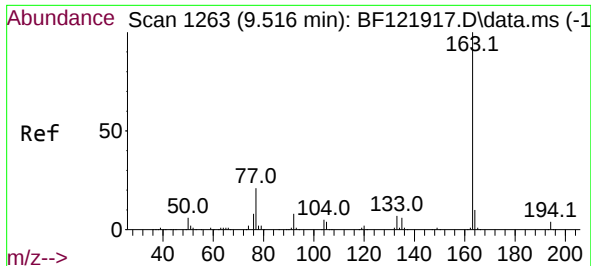
Tgt Ion:330 Resp: 170024
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 31.1 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 65.19 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:172 Resp: 938115
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 23.9 19.8 29.6

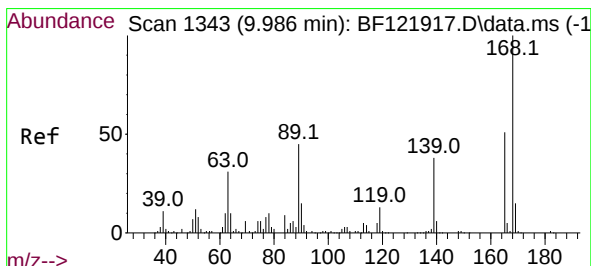
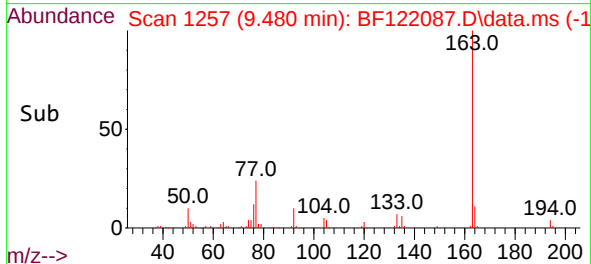
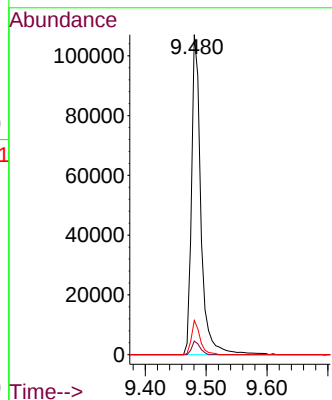
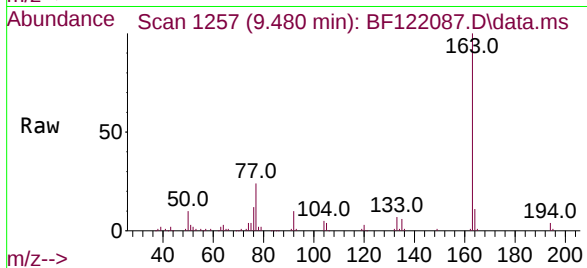




#50
Dimethylphthalate
Concen: 7.39 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

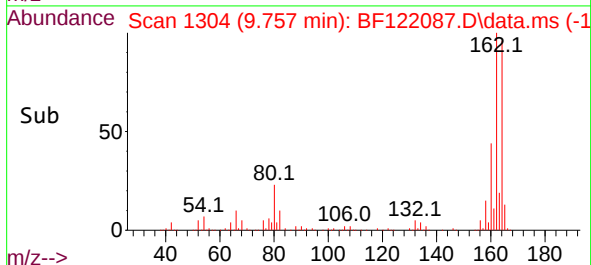
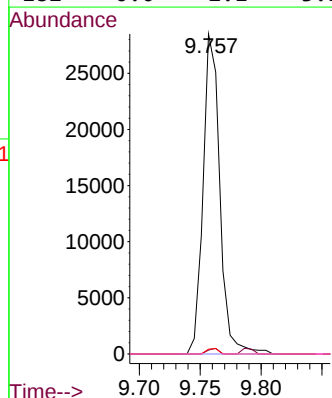
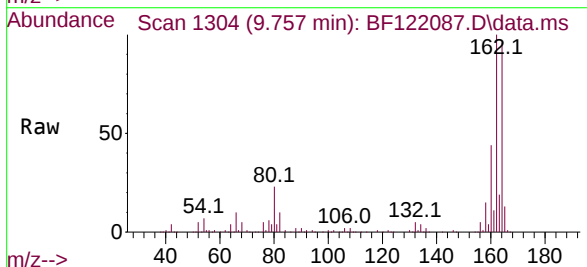
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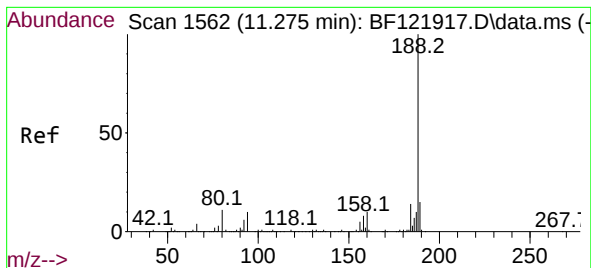
Tgt Ion:163 Resp: 114375
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.7 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:165 Resp: 27224
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#

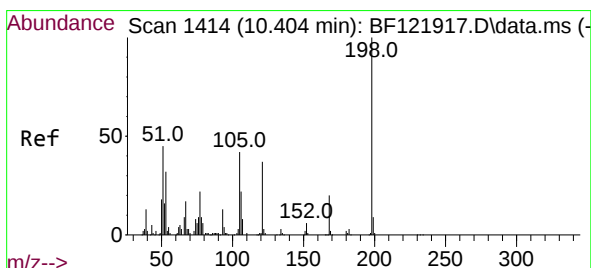
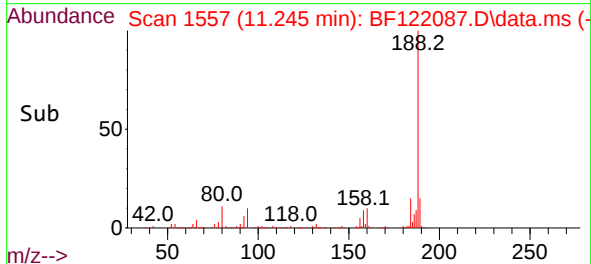
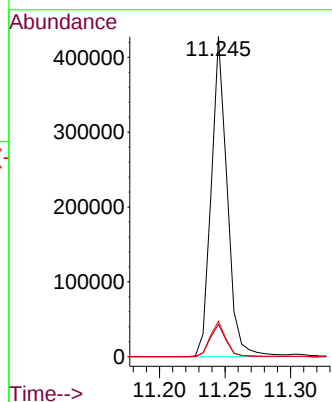
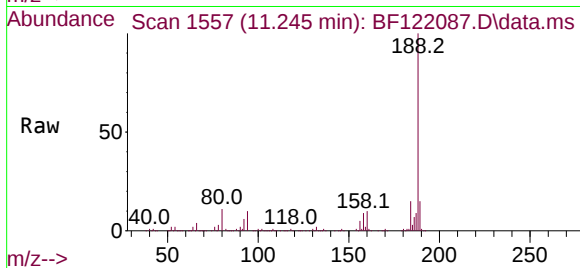




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

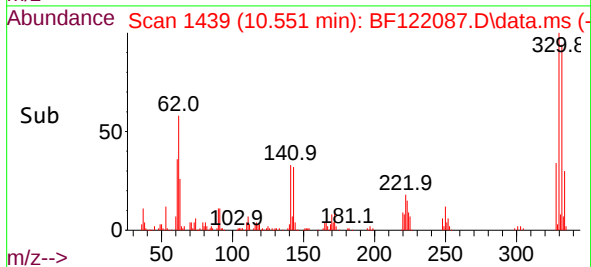
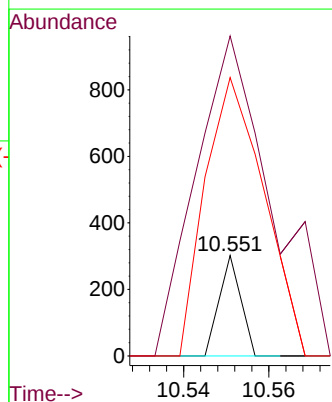
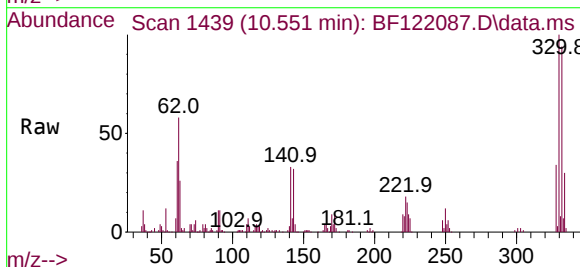
Instrument :
BNA_F
ClientSampled :
33A

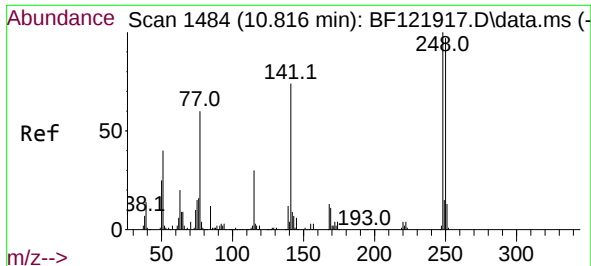
Tgt Ion:188 Resp: 362429
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.1 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.47 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.164 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 318.5 29.6 69.6#
105 277.2 24.4 64.4#

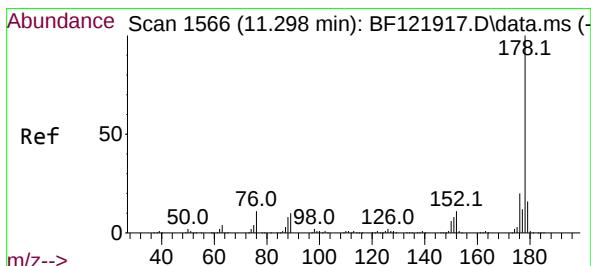
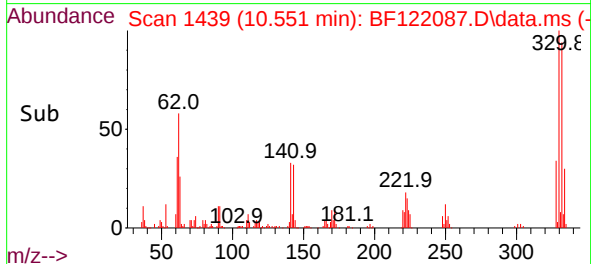
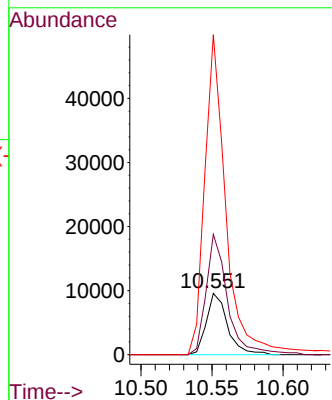
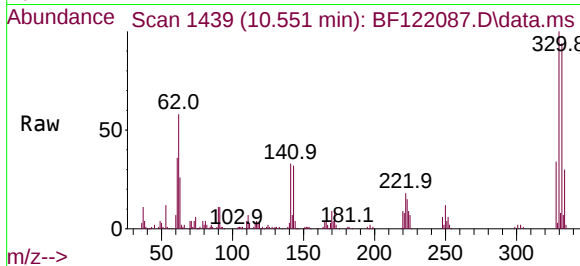




#67
4-Bromophenyl-phenylether
Concen: 2.38 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

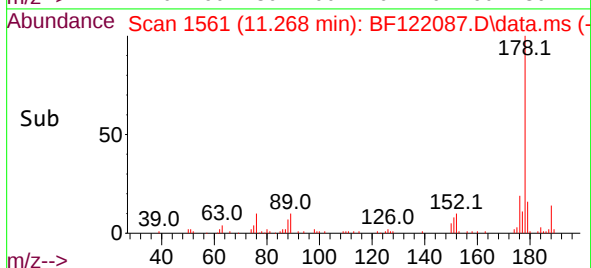
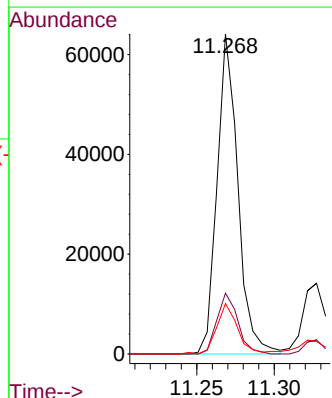
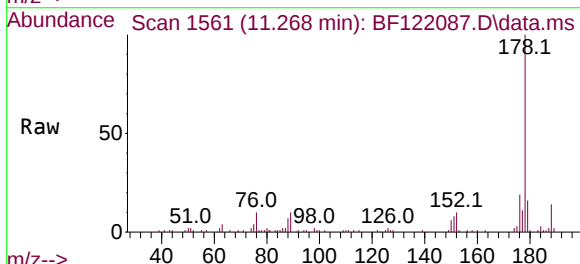
Instrument :
BNA_F
ClientSampled :
33A

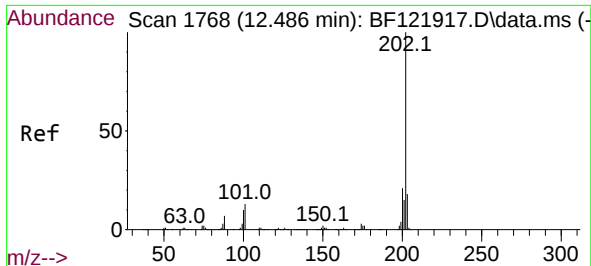
Tgt Ion:248 Resp: 9946
Ion Ratio Lower Upper
248 100
250 196.3 77.0 115.6#
141 522.0 53.7 80.5#



#71
Phenanthrene
Concen: 3.01 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:178 Resp: 59881
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.8 12.2 18.4

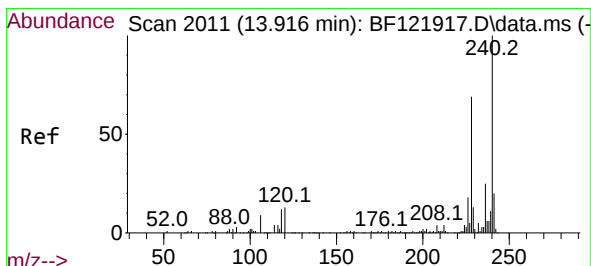
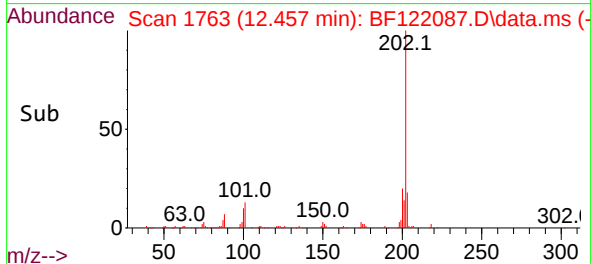
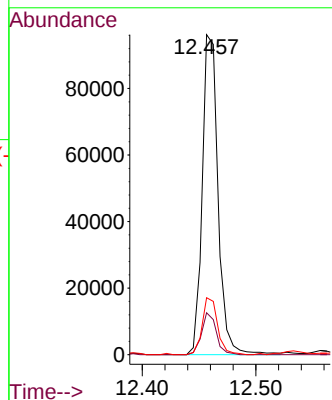
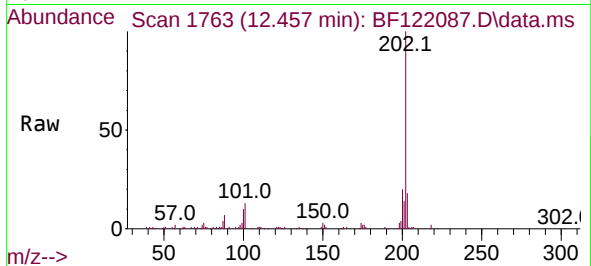




#75
Fluoranthene
Concen: 4.37 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

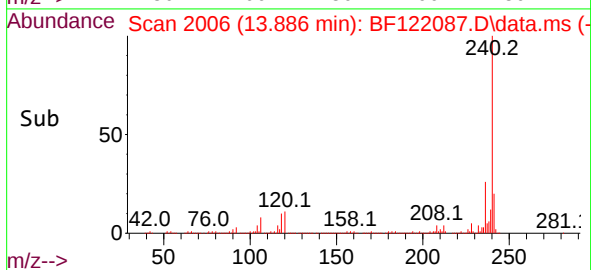
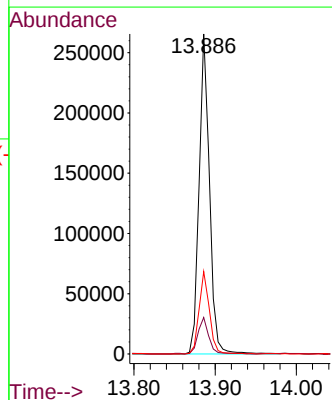
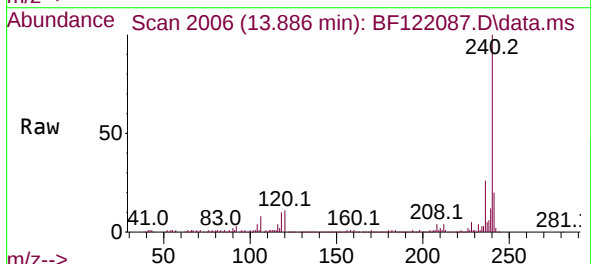
Instrument :
BNA_F
ClientSampleId :
33A

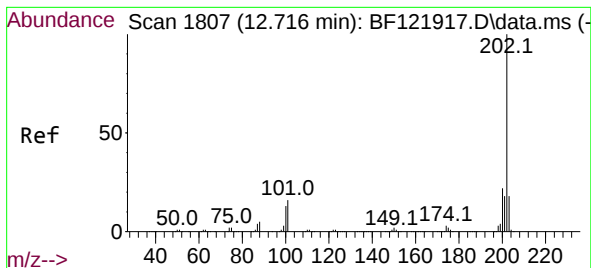
Tgt Ion:	202	Resp:	93212
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	33.4
203	17.8	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:	240	Resp:	237044
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.2	13.8
236	25.8	20.9	31.3





#78

Pyrene

Concen: 4.41 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.000 min

Lab File: BF122087.D

Acq: 22 Oct 2020 17:00

Tgt Ion:202 Resp: 79725

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

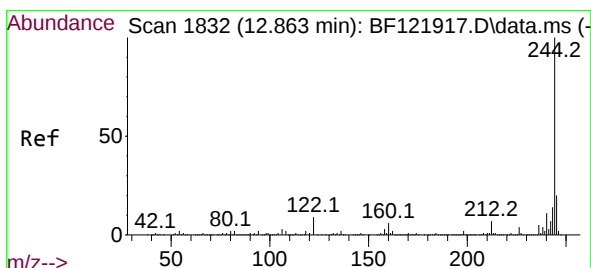
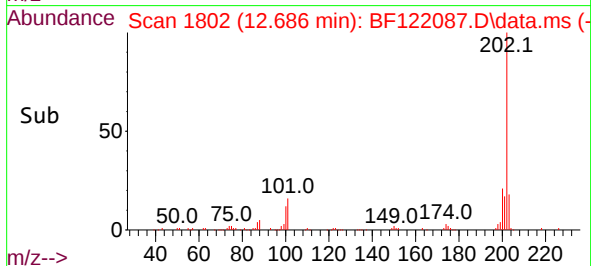
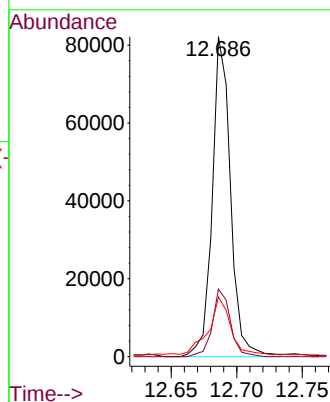
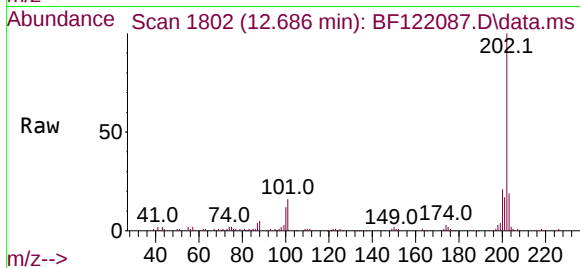
203 18.6 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

33A



#79

Terphenyl-d14

Concen: 62.12 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF122087.D

Acq: 22 Oct 2020 17:00

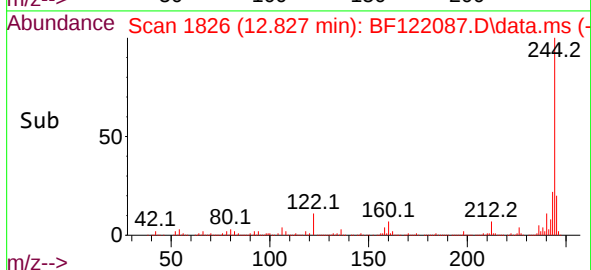
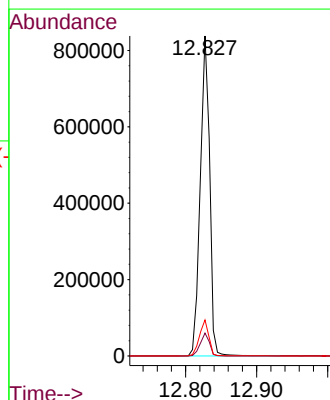
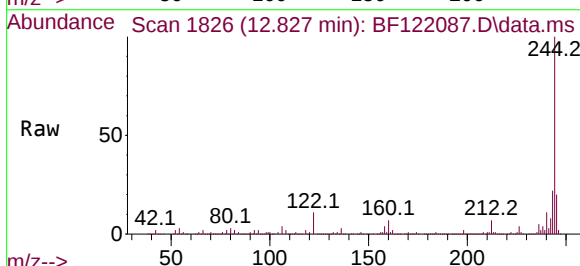
Tgt Ion:244 Resp: 772647

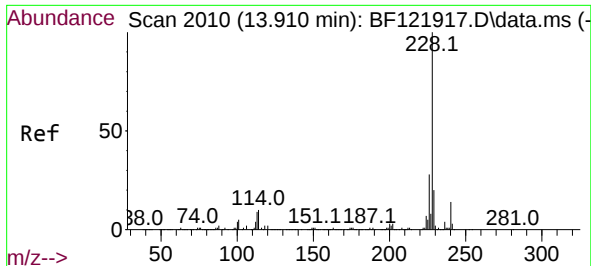
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

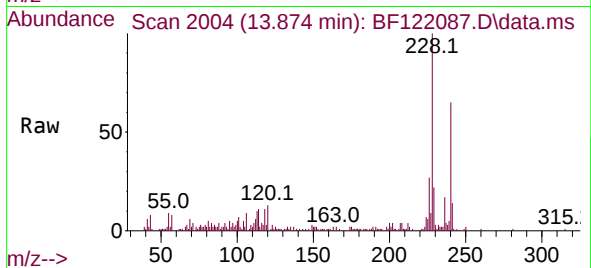
122 11.2 8.1 12.1



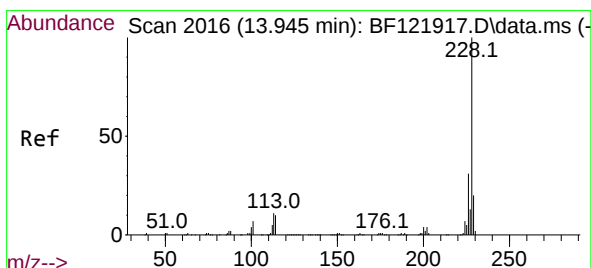
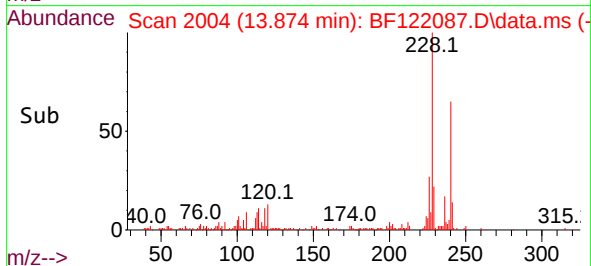
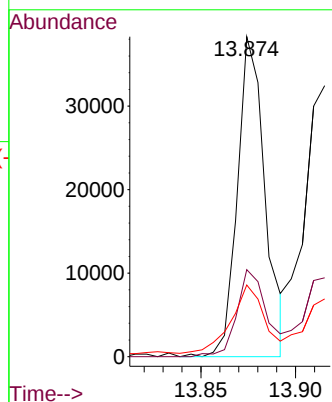


#81
Benzo(a)anthracene
Concen: 2.51 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Instrument :
BNA_F
ClientSampleId :
33A

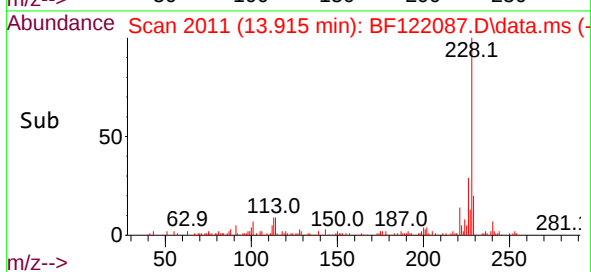
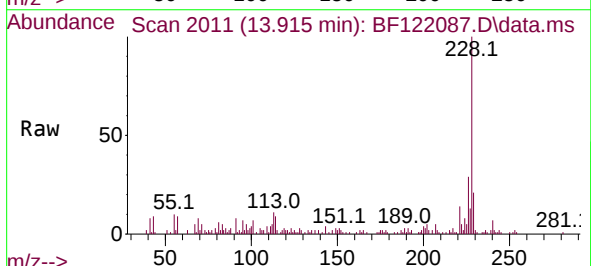
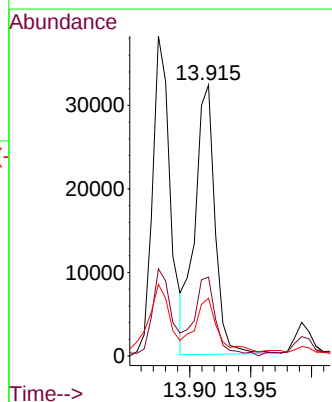


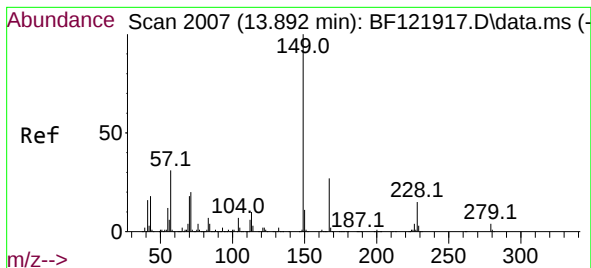
Tgt Ion:228 Resp: 38945
Ion Ratio Lower Upper
228 100
226 27.2 22.3 33.5
229 22.4 16.2 24.4



#83
Chrysene
Concen: 2.44 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:228 Resp: 37181
Ion Ratio Lower Upper
228 100
226 29.1 24.6 37.0
229 21.3 15.9 23.9

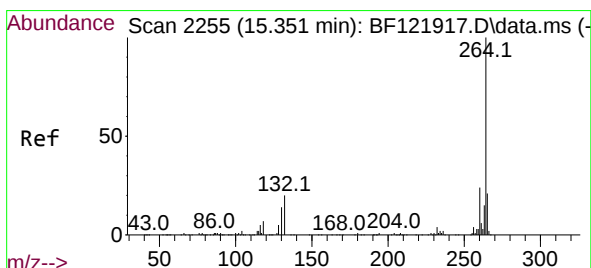
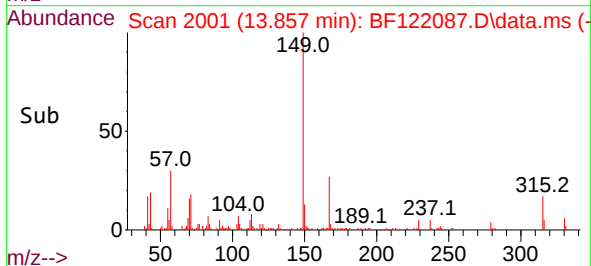
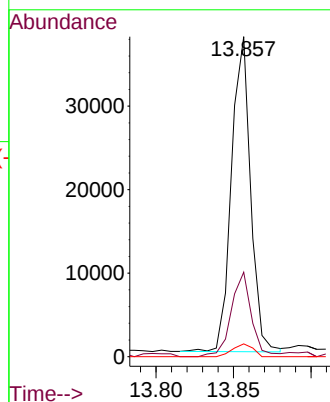
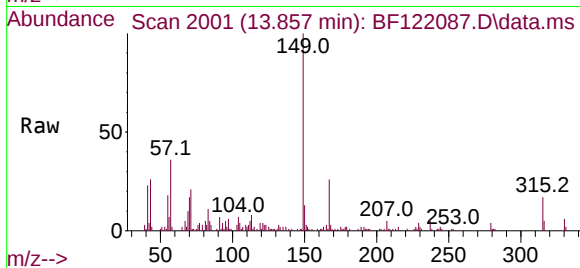




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.32 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

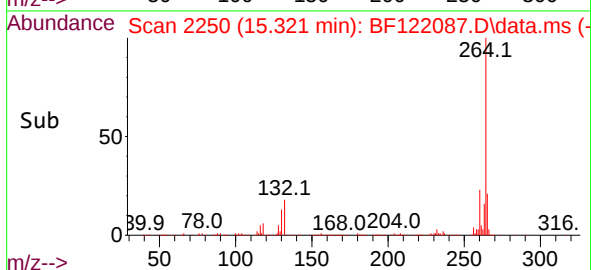
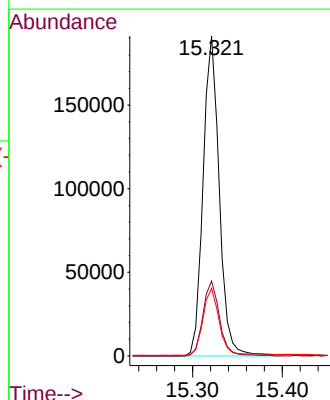
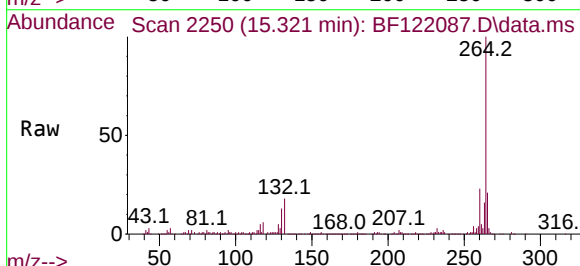
Instrument :
BNA_F
ClientSampleId :
33A

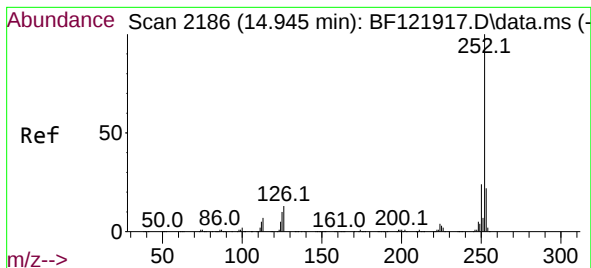
Tgt Ion:149 Resp: 32330
Ion Ratio Lower Upper
149 100
167 26.4 20.9 31.3
279 4.0 3.2 4.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Tgt Ion:264 Resp: 239502
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.1 17.3 25.9

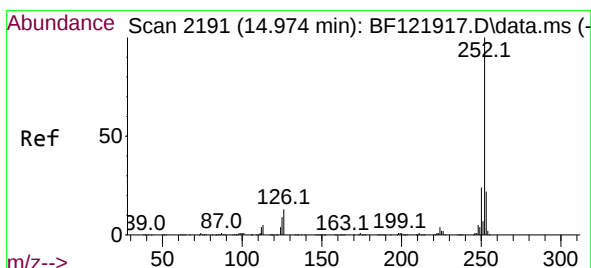
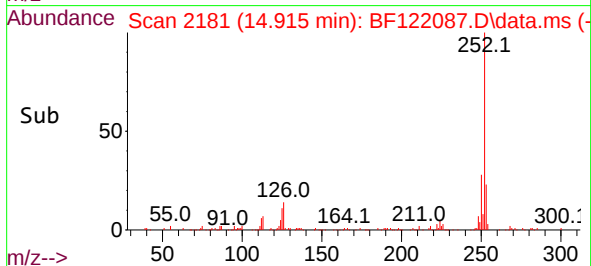
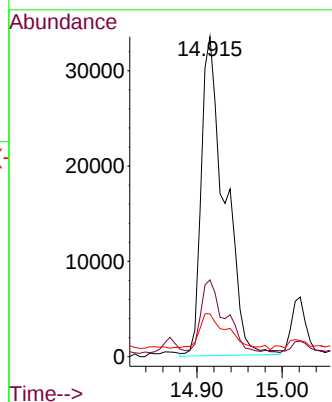
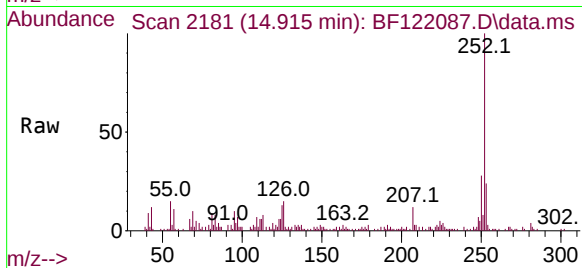




#88
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 14.915 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

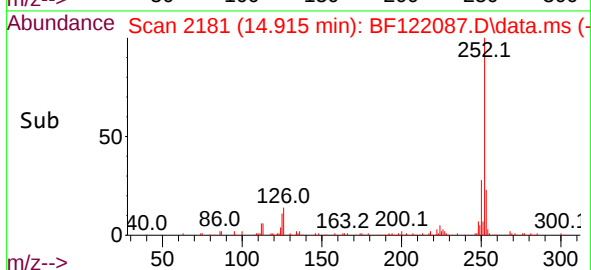
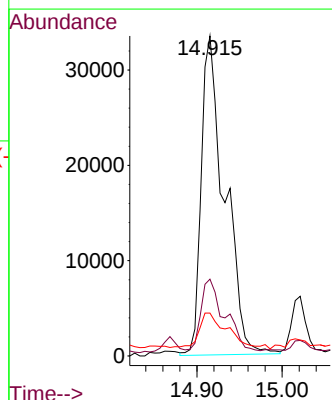
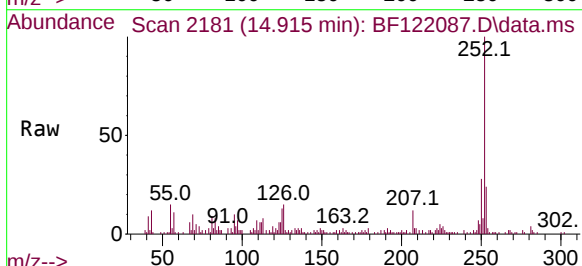
Instrument :
BNA_F
ClientSampled :
33A

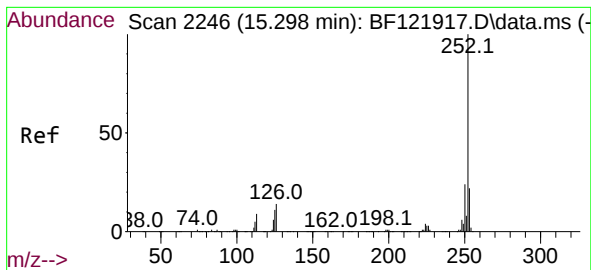
Tgt Ion:252 Resp: 63890
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 13.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 4.15 ng
RT: 14.915 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

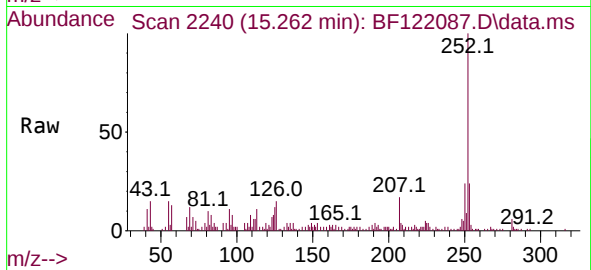
Tgt Ion:252 Resp: 63890
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 13.4 7.7 11.5#





#90
Benzo(a)pyrene
Concen: 2.42 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.006 min
Lab File: BF122087.D
Acq: 22 Oct 2020 17:00

Instrument :
BNA_F
ClientSampleId :
33A



Tgt Ion:252 Resp: 33780
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 12.1 8.6 13.0

