

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112807.D
 Acq On : 1 Mar 2019 18:38
 Operator : JU/SJ
 Sample : K1675-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-11-A

Quant Time: Mar 01 21:58:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

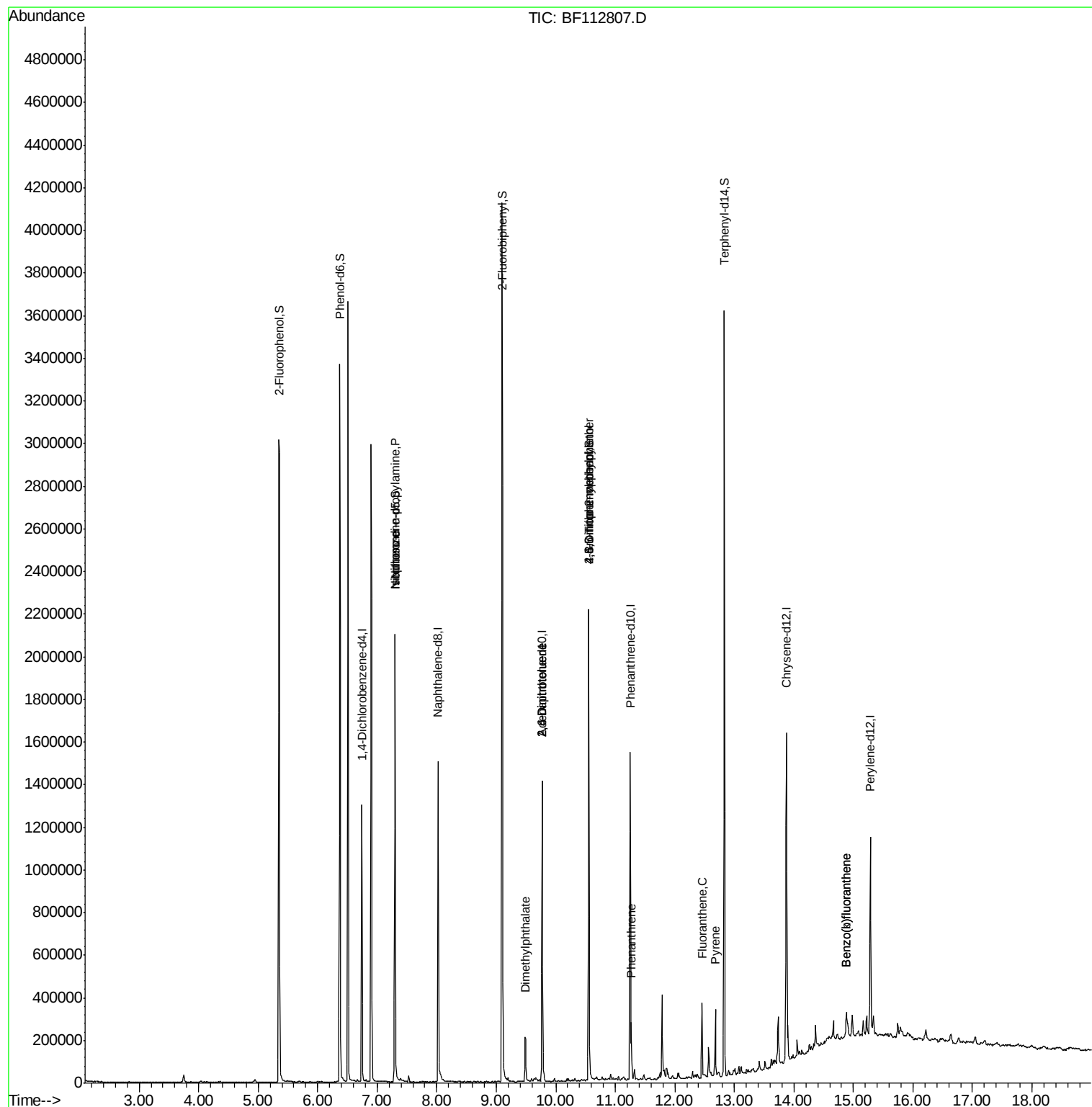
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	192353	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	727721	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	320864	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	568371	20.00	ng	0.00
76) Chrysene-d12	13.87	240	497038	20.00	ng	0.00
87) Perylene-d12	15.29	264	411410	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	948789	76.73	ng	0.01
7) Phenol-d6	6.37	99	1222904	78.73	ng	0.00
23) Nitrobenzene-d5	7.30	82	730513	60.07	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	311299	91.39	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1328150	64.32	ng	0.00
79) Terphenyl-d14	12.83	244	1240392	48.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	95652	9.723	ng	# 79
25) Isophorone	7.30	82	725767	27.701	ng	# 66
50) Dimethylphthalate	9.49	163	96227	4.067	ng	99
51) 2,6-Dinitrotoluene	9.77	165	40663	8.254	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	40663	6.640	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	385	4.762	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	17706	2.958	ng	# 1
71) Phenanthrene	11.27	178	96441	3.410	ng	97
75) Fluoranthene	12.46	202	148238	4.893	ng	96
78) Pyrene	12.68	202	126034	3.008	ng	97
88) Benzo(b)fluoranthene	14.89	252	84952	3.192	ng	98
89) Benzo(k)fluoranthene	14.89	252	84952	3.524	ng	97

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

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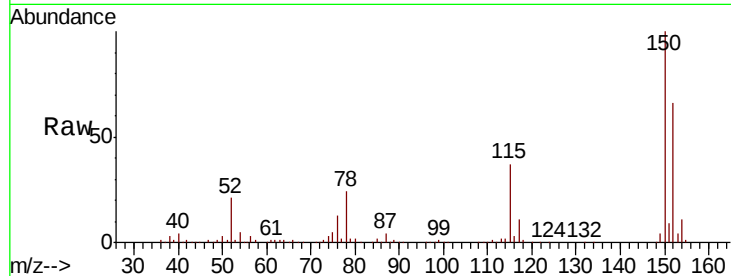


#1

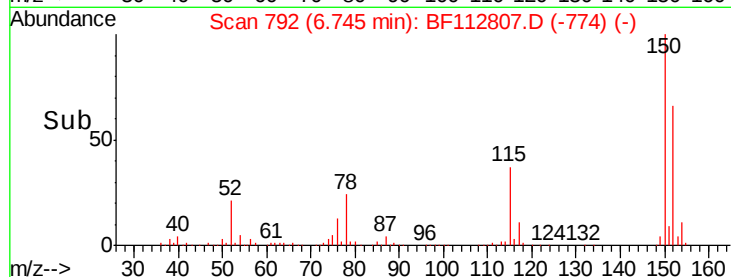
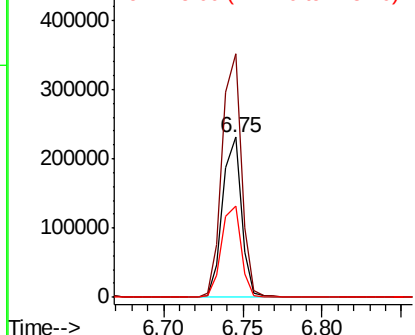
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion:152 Resp: 192353
Ion Ratio Lower Upper
152 100
150 152.2 124.2 186.2
115 57.0 48.2 72.4



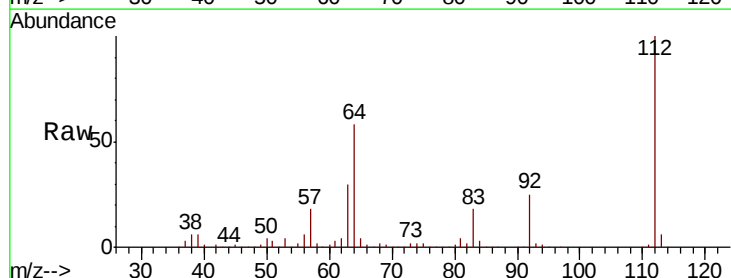
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



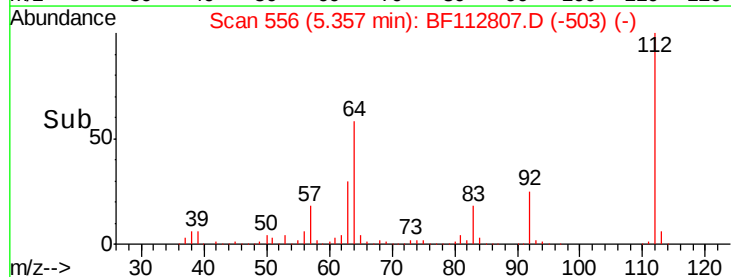
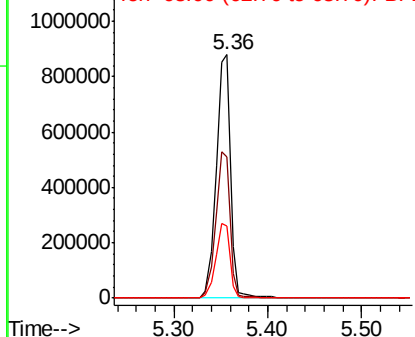
#5

2-Fluorophenol
Concen: 76.728 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion:112 Resp: 948789
Ion Ratio Lower Upper
112 100
64 57.7 47.6 71.4
63 29.7 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 78.728 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

Z-3-11-A

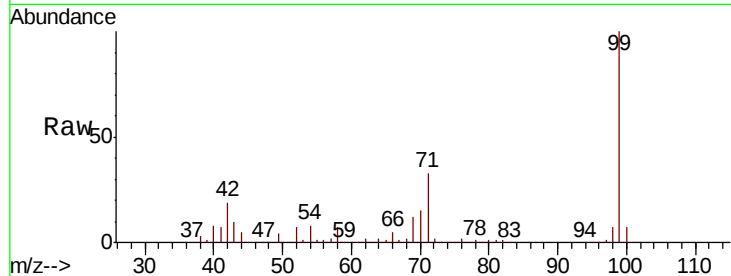
Tgt Ion: 99 Resp: 1222904

Ion Ratio Lower Upper

99 100

42 19.5 16.3 24.5

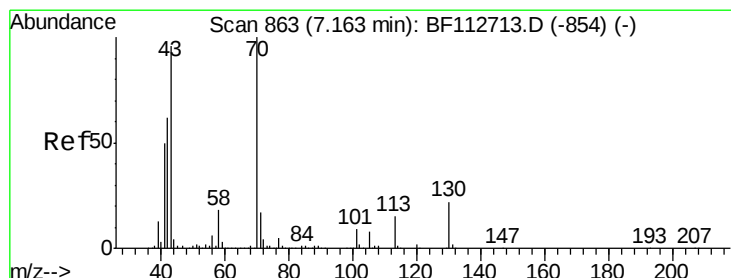
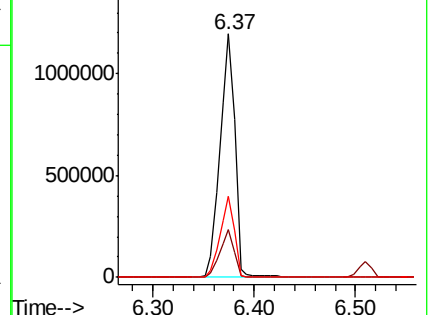
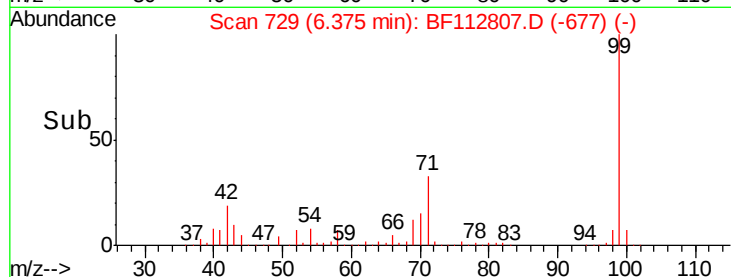
71 33.4 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.723 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

Tgt Ion: 70 Resp: 95652

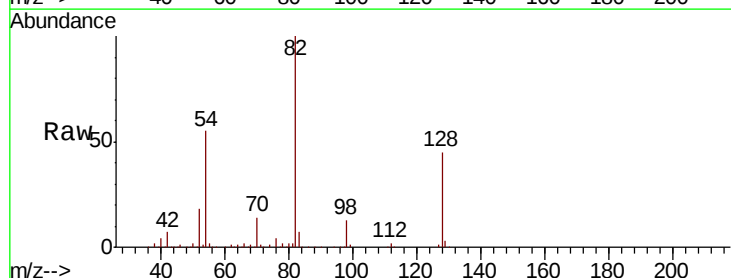
Ion Ratio Lower Upper

70 100

42 52.1 49.9 74.9

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

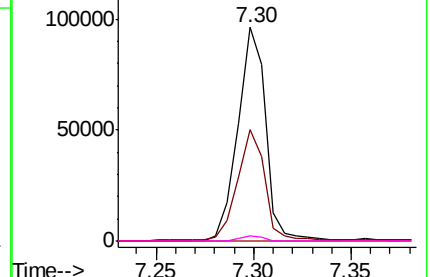
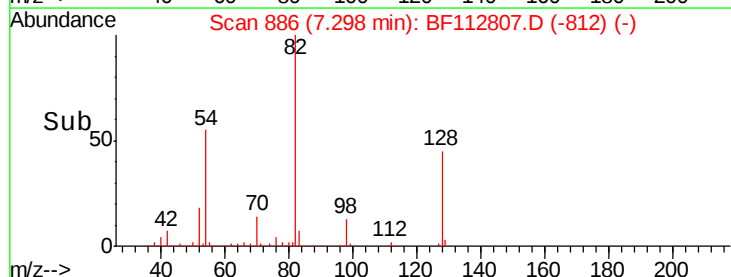


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

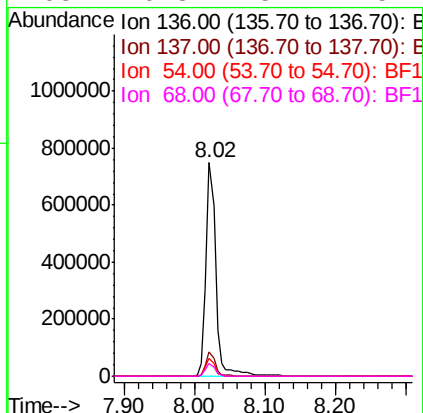
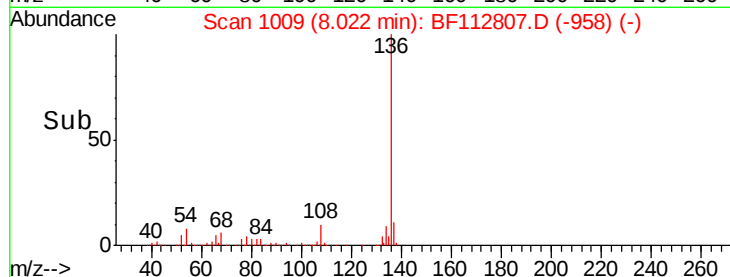
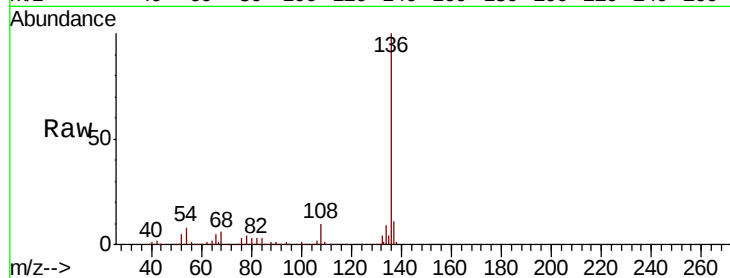




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

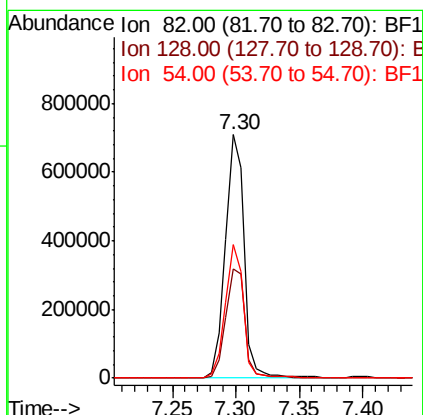
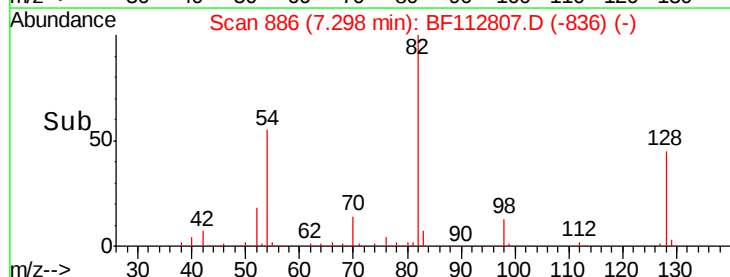
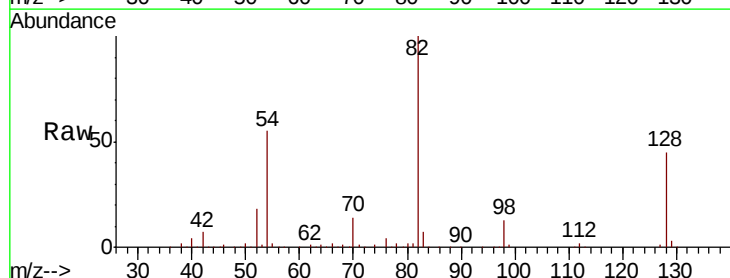
Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion:	136	Resp:	727721
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.3	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 60.068 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion:	82	Resp:	730513
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.3	54.5
54	54.9	43.7	65.5

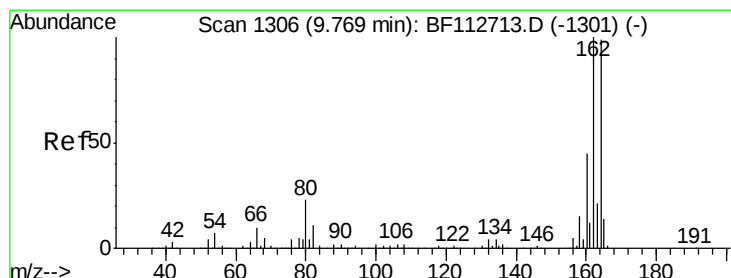
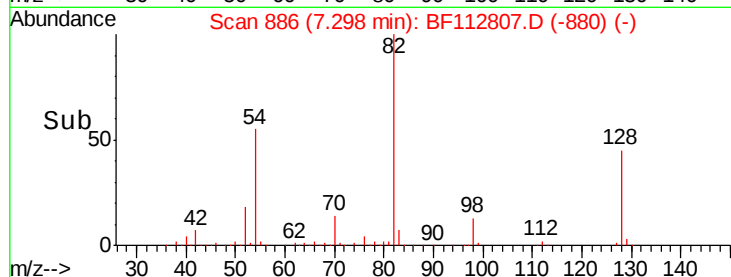
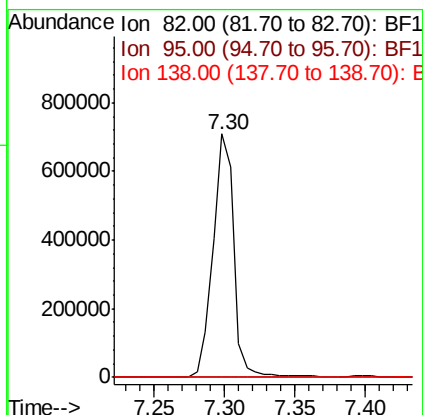
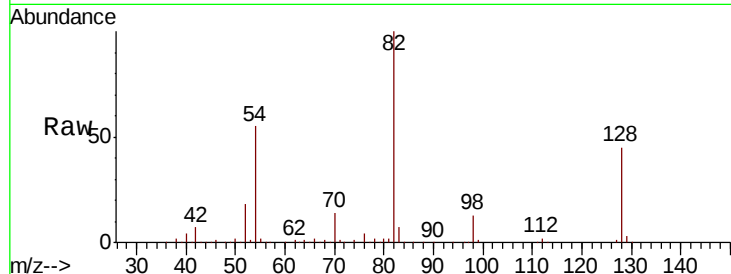




#25
Isophorone
Concen: 27.701 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

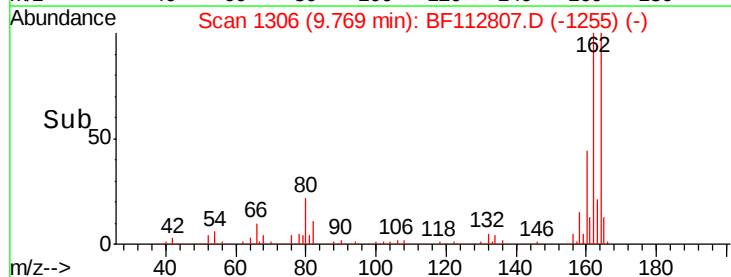
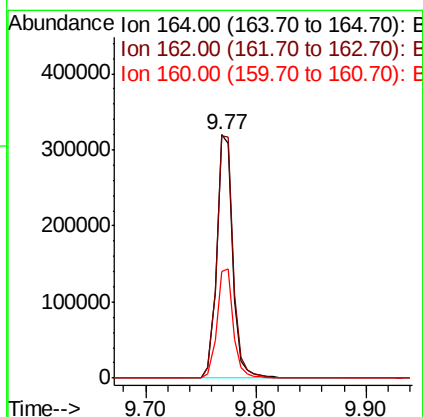
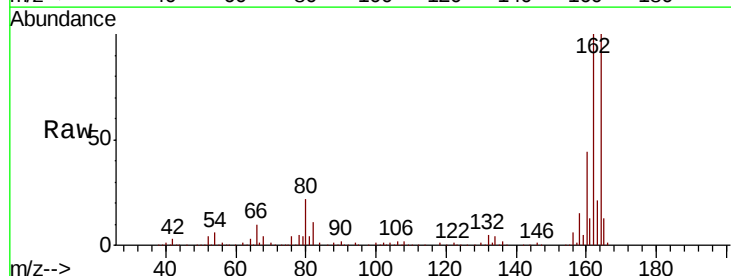
Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion: 82 Resp: 725767
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion: 164 Resp: 320864
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 43.8 36.0 54.0

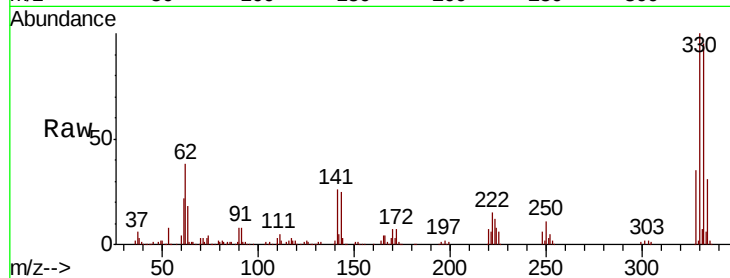




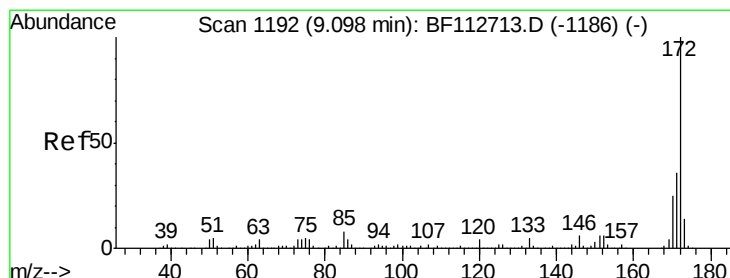
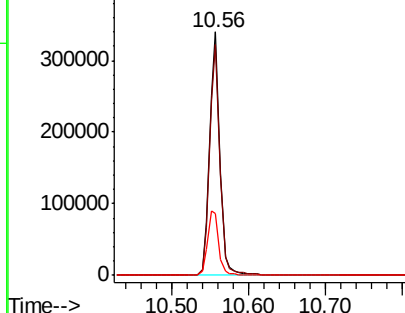
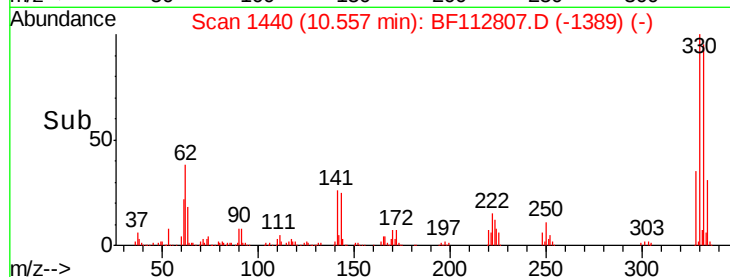
#42
 2,4,6-Tribromophenol
 Concen: 91.387 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-11-A

Tgt Ion:330 Resp: 311299
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 29.3 27.0 40.6

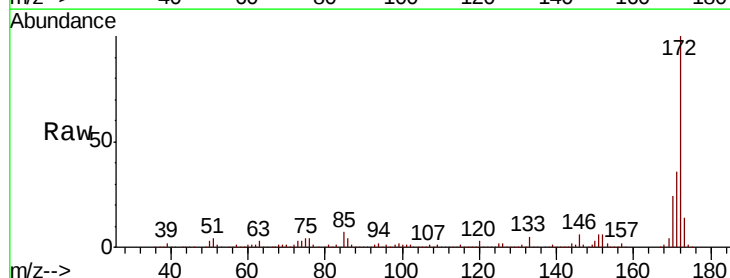


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

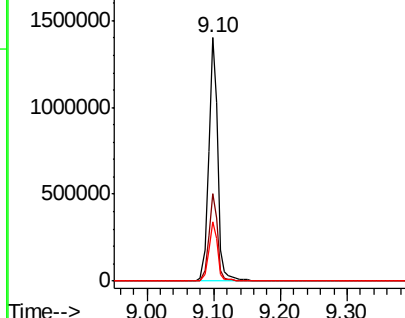
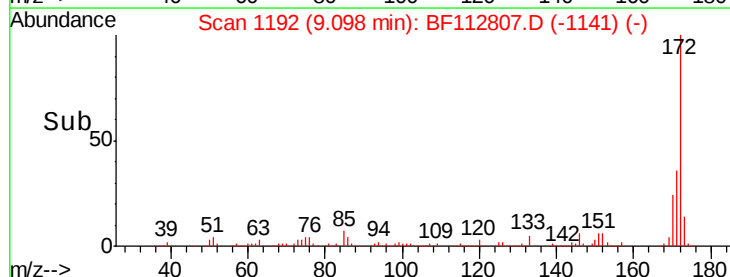


#45
 2-Fluorobiphenyl
 Concen: 64.320 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

Tgt Ion:172 Resp: 1328150
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.4
 170 24.4 20.0 30.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

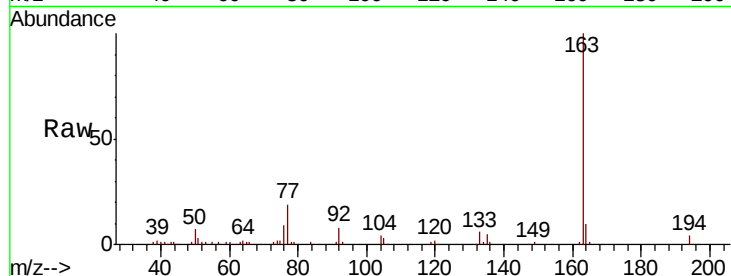




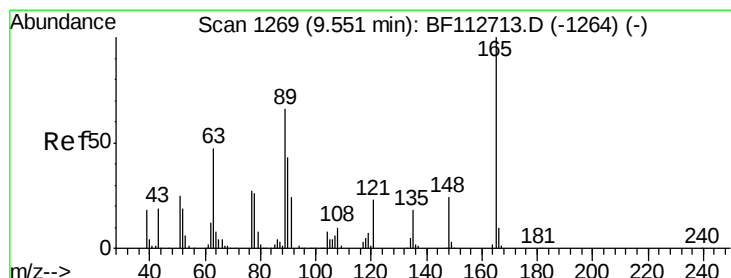
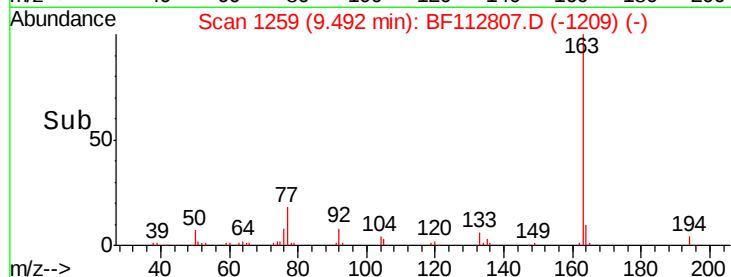
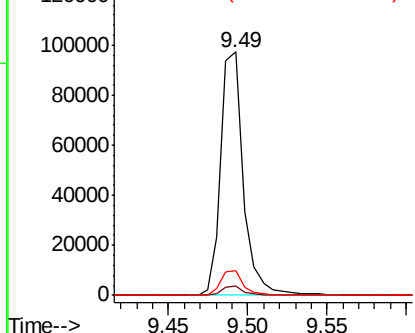
#50
Dimethylphthalate
Concen: 4.067 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion:163 Resp: 96227
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.0 8.4 12.6

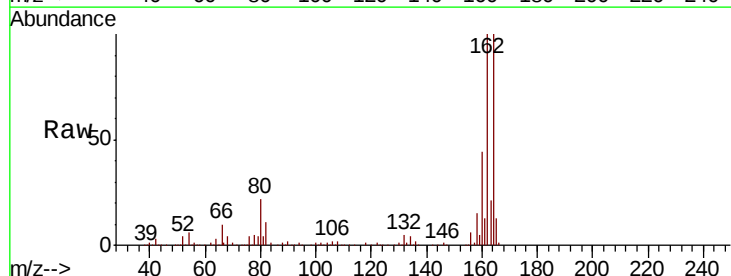


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

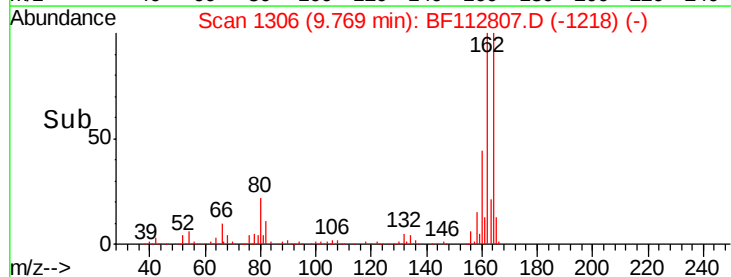
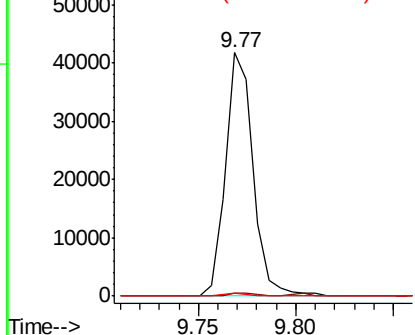


#51
2,6-Dinitrotoluene
Concen: 8.254 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion:165 Resp: 40663
Ion Ratio Lower Upper
165 100
63 1.3 54.1 81.1#
89 1.4 52.8 79.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

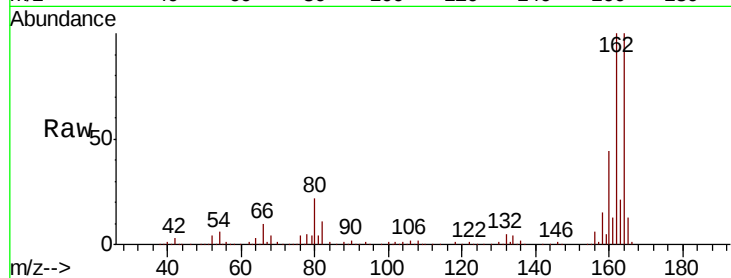




#57
2,4-Dinitrotoluene
Concen: 6.640 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



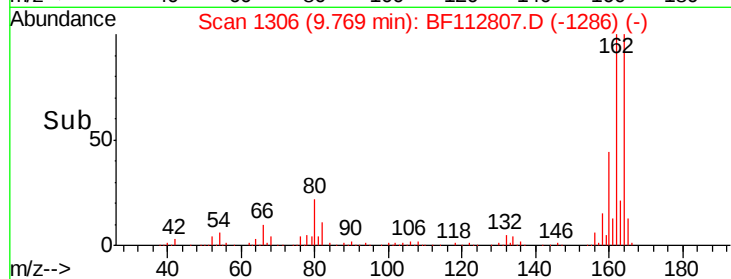
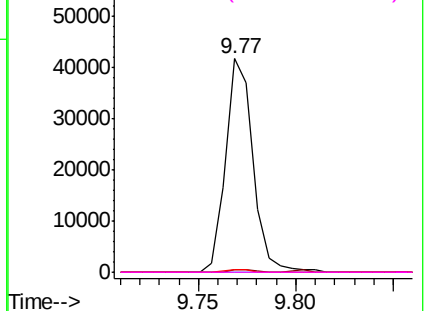
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

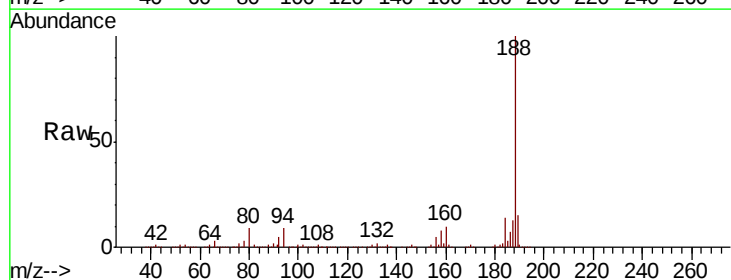
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.4	9.2	13.8

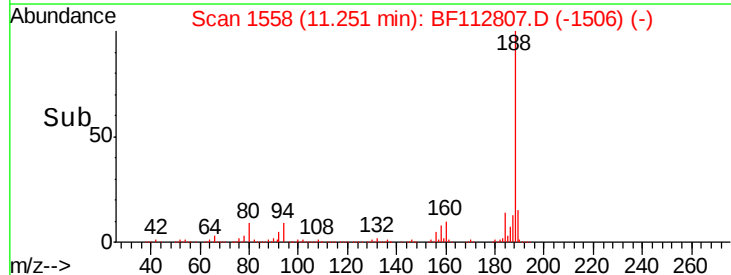
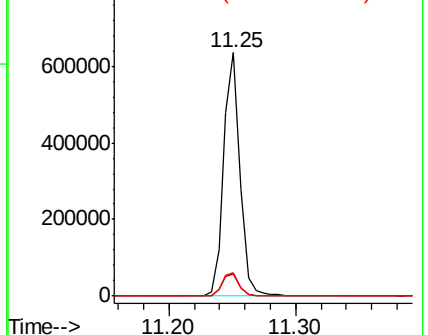


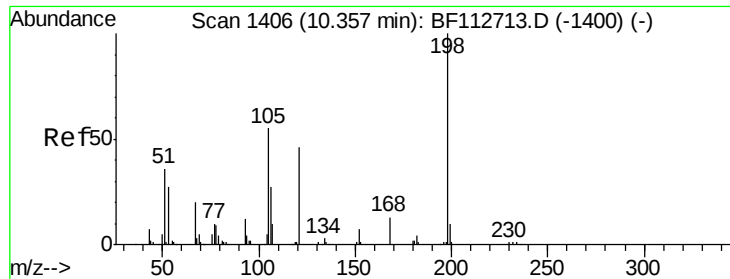
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

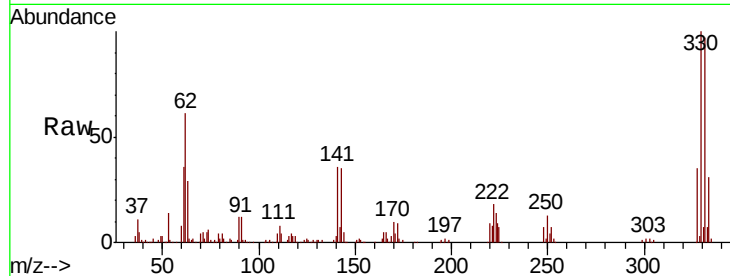




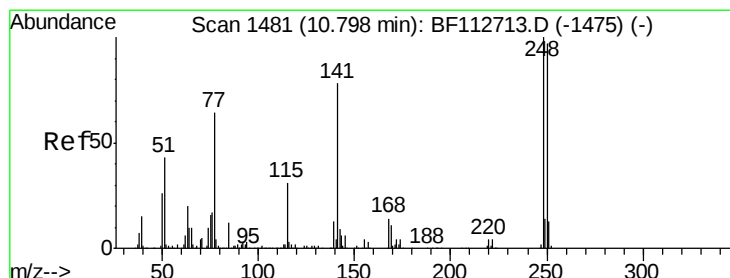
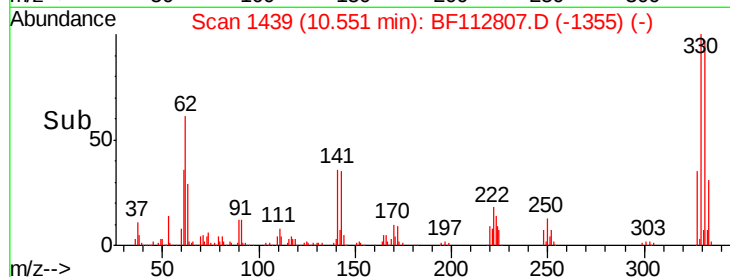
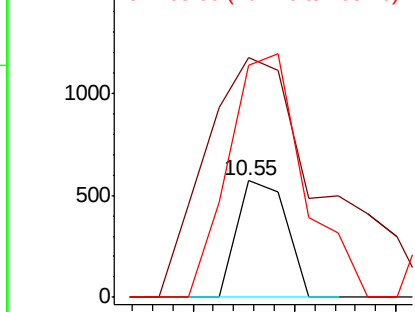
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.762 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-11-A

Tgt Ion:198 Resp: 385
 Ion Ratio Lower Upper
 198 100
 51 205.2 43.8 83.8#
 105 198.8 36.5 76.5#

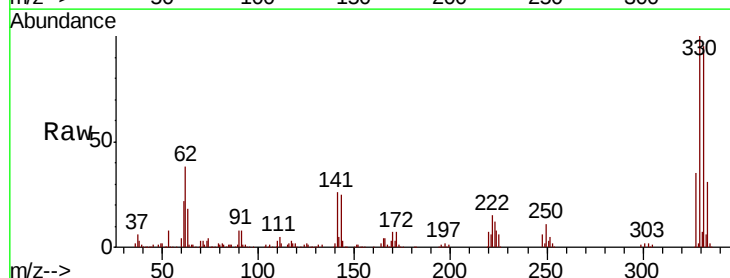


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

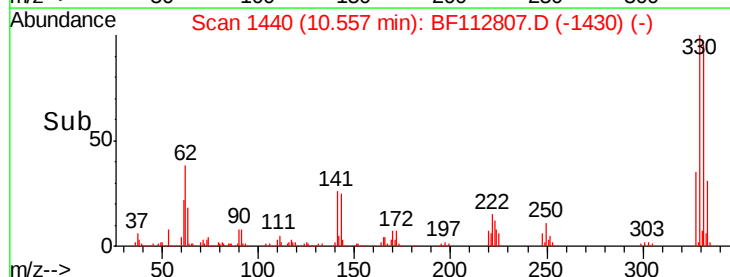
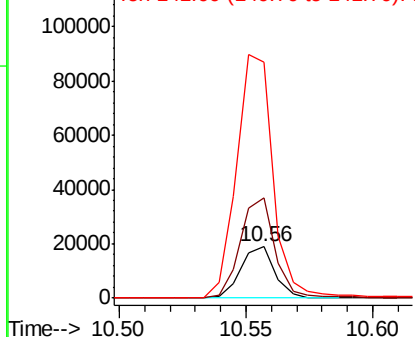


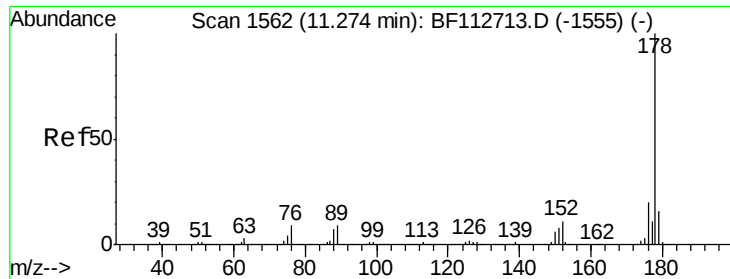
#67
 4-Bromophenyl-phenylether
 Concen: 2.958 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

Tgt Ion:248 Resp: 17706
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.5 116.3#
 141 461.6 62.4 93.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.410 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

Z-3-11-A

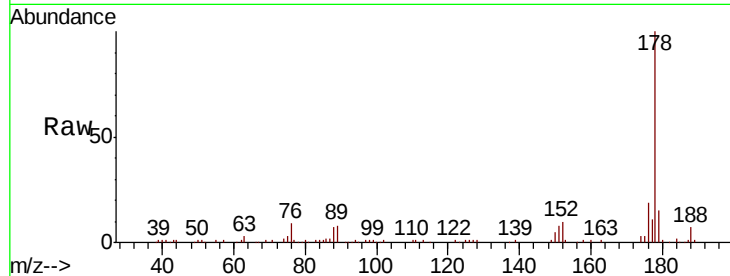
Tgt Ion:178 Resp: 96441

Ion Ratio Lower Upper

178 100

176 18.7 16.3 24.5

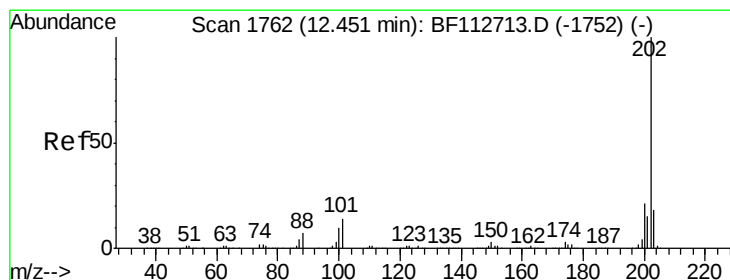
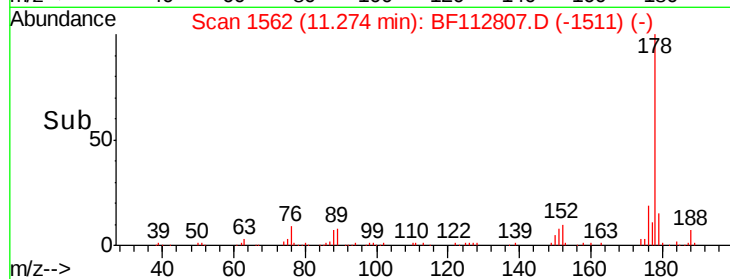
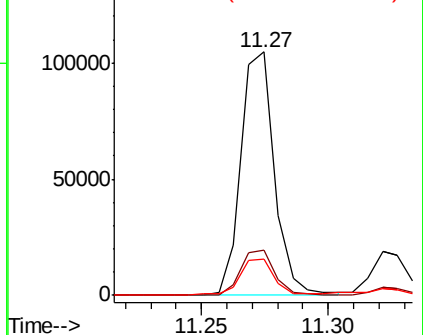
179 14.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.893 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

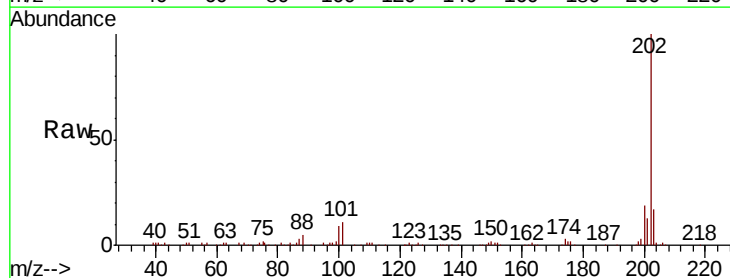
Tgt Ion:202 Resp: 148238

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

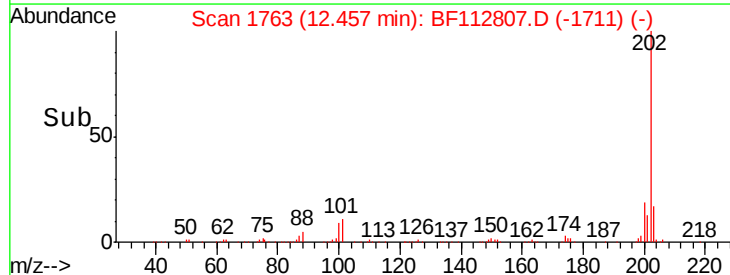
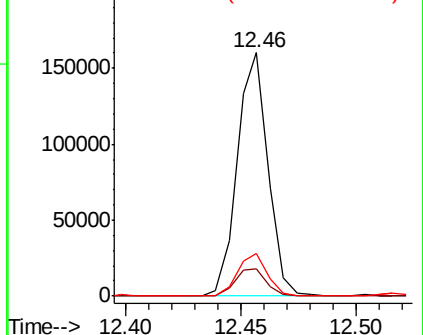
203 17.4 0.0 38.4

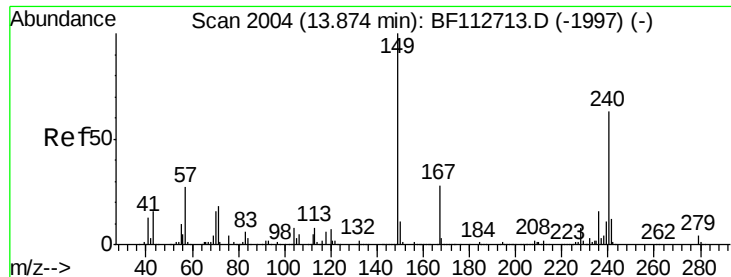


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

Z-3-11-A

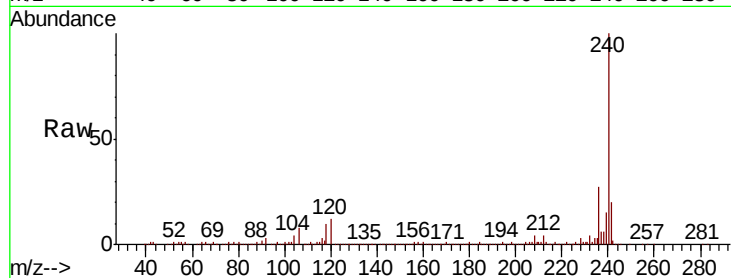
Tgt Ion:240 Resp: 497038

Ion Ratio Lower Upper

240 100

120 11.8 8.9 13.3

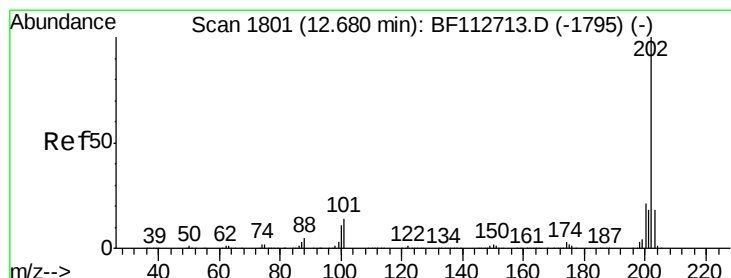
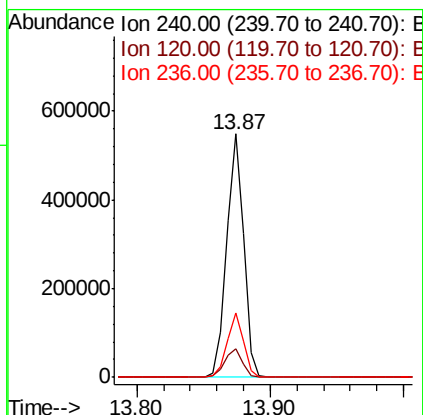
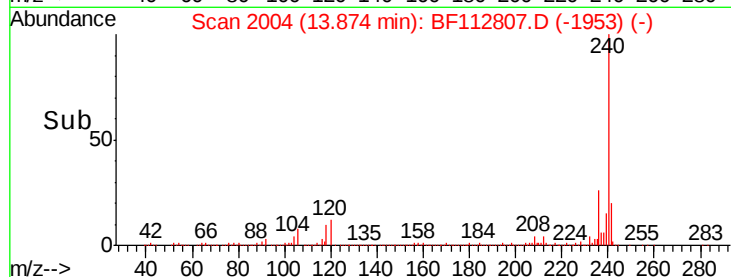
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 3.008 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112807.D

Acq: 1 Mar 2019 18:38

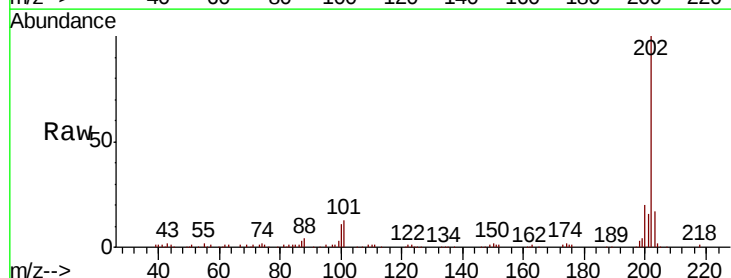
Tgt Ion:202 Resp: 126034

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.4

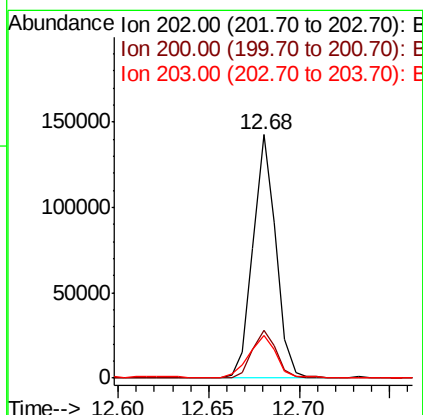
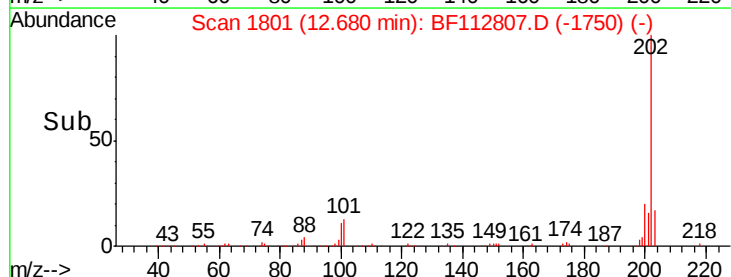
203 17.3 14.4 21.6

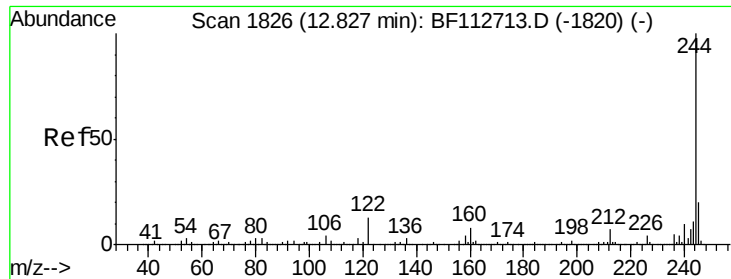


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

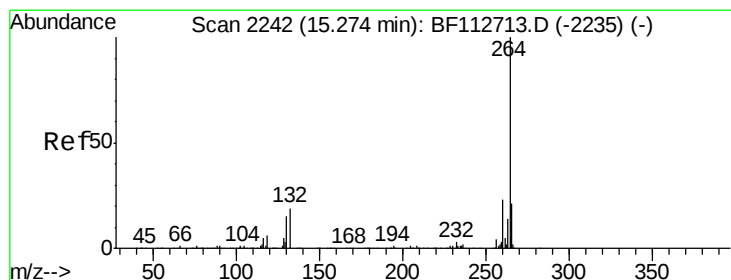
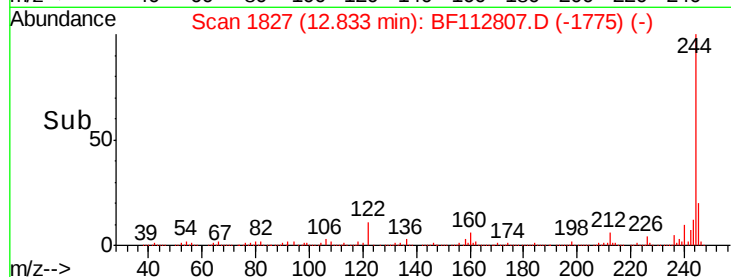
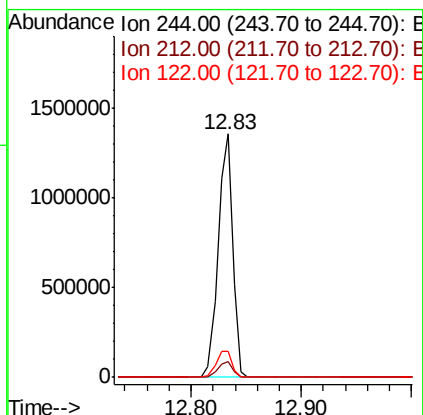
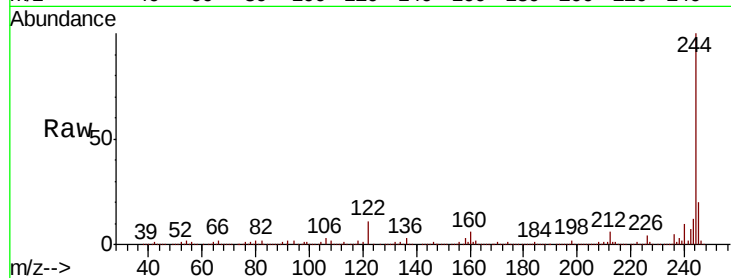




#79
 Terphenyl-d14
 Concen: 48.377 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

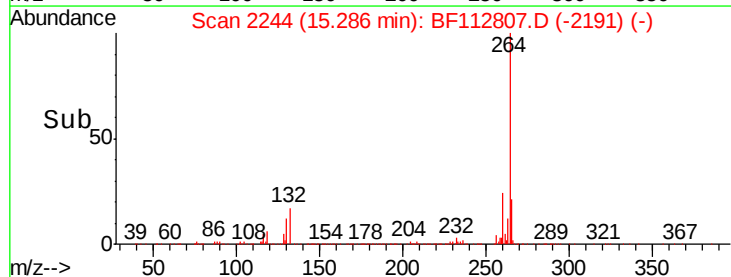
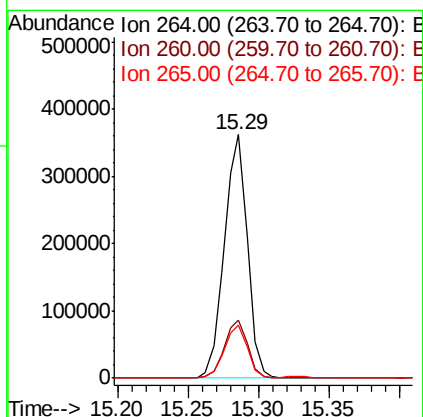
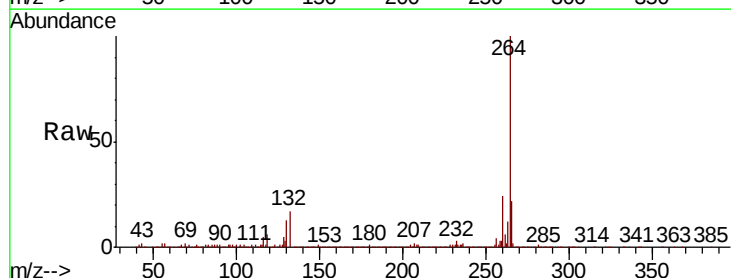
Instrument :
 BNA_F
 ClientSampleId :
 Z-3-11-A

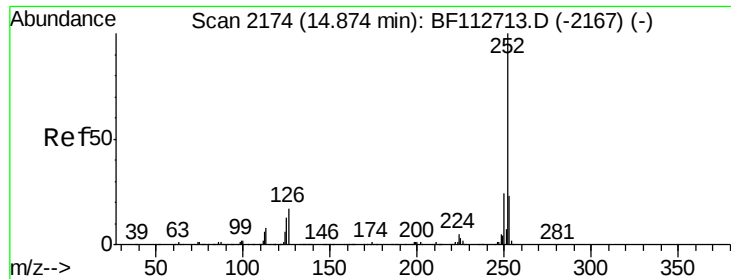
Tgt Ion:244 Resp: 1240392
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.9 10.5 15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF112807.D
 Acq: 1 Mar 2019 18:38

Tgt Ion:264 Resp: 411410
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 21.6 17.2 25.8

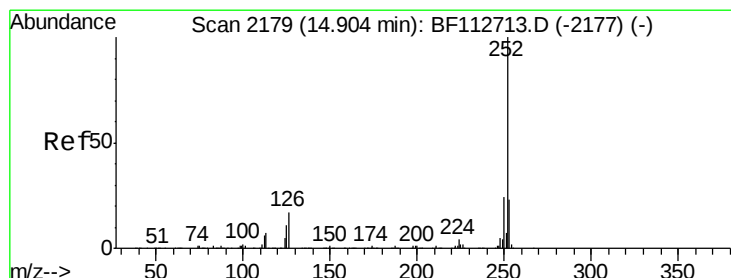
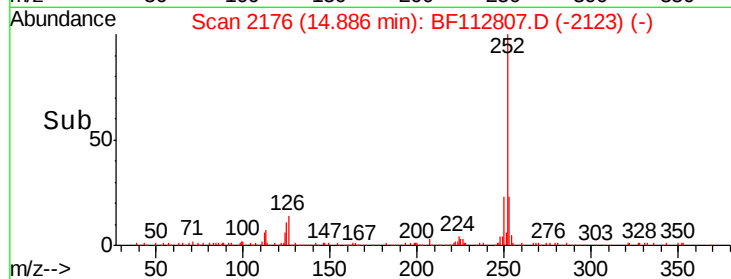
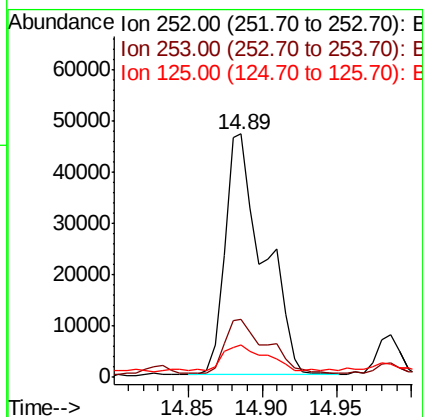
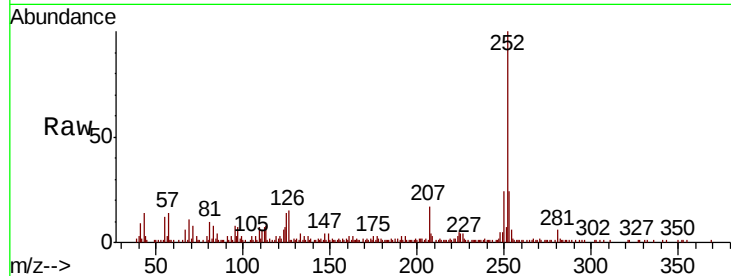




#88
Benzo(b)fluoranthene
Concen: 3.192 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
Z-3-11-A

Tgt Ion:252 Resp: 84952
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 13.5 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 3.524 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112807.D
Acq: 1 Mar 2019 18:38

Tgt Ion:252 Resp: 84952
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 13.5 9.8 14.6

