

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121383.D
 Acq On : 21 Aug 2020 23:23
 Operator : JU/CG
 Sample : L3734-02 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:35:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

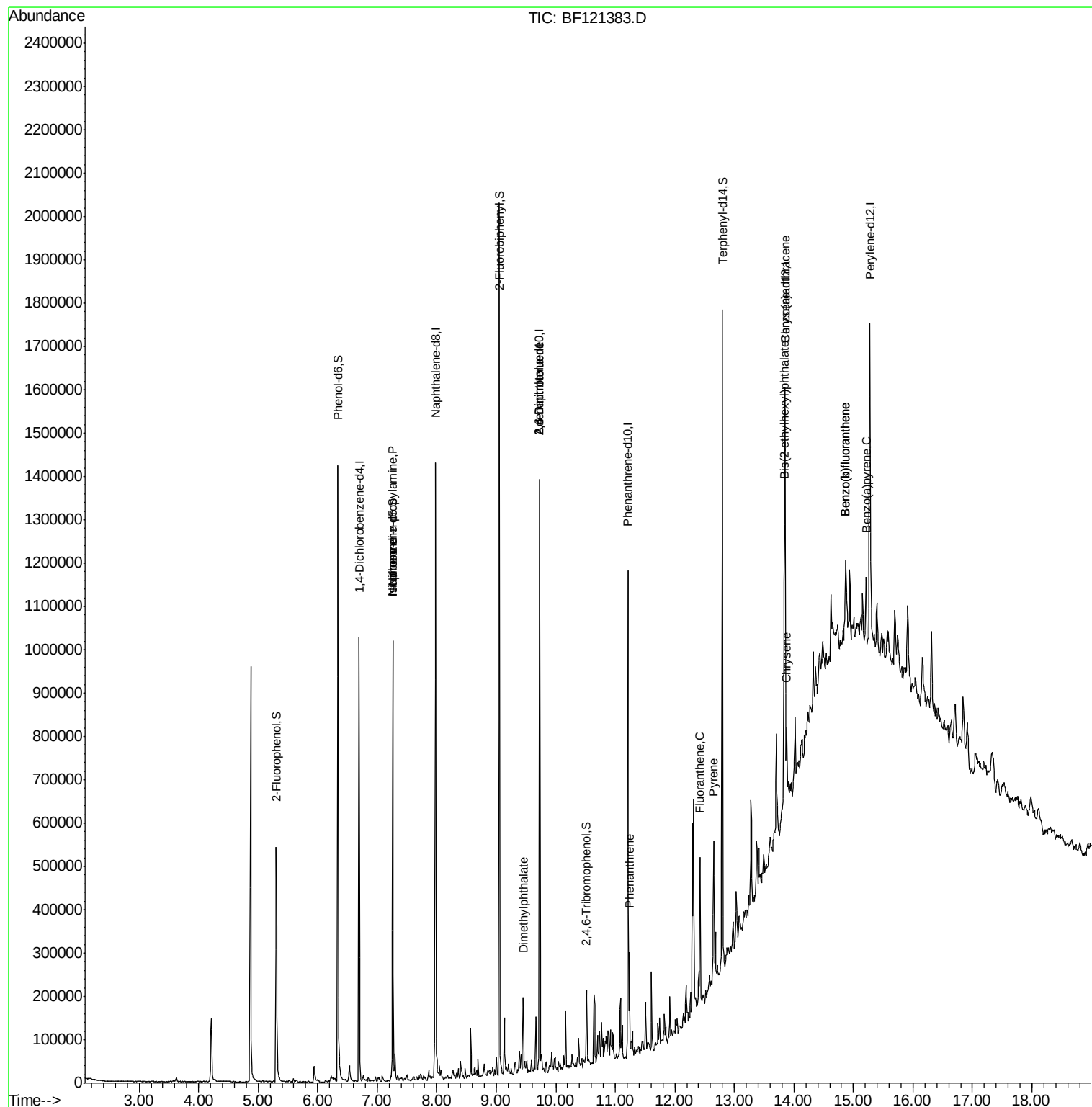
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	159424	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	592758	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	271708	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	436879	20.00	ng	0.00
76) Chrysene-d12	13.85	240	337500	20.00	ng	0.00
86) Perylene-d12	15.27	264	349276	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	178448	18.35	ng	0.00
7) Phenol-d6	6.34	99	479472	38.63	ng	0.00
23) Nitrobenzene-d5	7.26	82	335839	32.04	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	21685	6.85	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	618843	36.32	ng	0.00
79) Terphenyl-d14	12.80	244	456123	26.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	43766	6.557	ng	# 78
20) 3+4-Methylphenols	7.14	107	451	Below Cal		# 44
25) Isophorone	7.26	82	330719	17.339	ng	# 65
50) Dimethylphthalate	9.45	163	57299	2.899	ng	# 98
51) 2,6-Dinitrotoluene	9.73	165	36522	8.651	ng	# 30
55) Dibenzofuran	9.93	168	5570	Below Cal		# 74
57) 2,4-Dinitrotoluene	9.73	165	36522	7.091	ng	# 25
58) Fluorene	10.27	166	8977	Below Cal		# 98
61) 4-Chlorophenyl-phenylether	10.00	204	120	Below Cal		# 30
71) Phenanthrene	11.23	178	86383	3.820	ng	# 99
75) Fluoranthene	12.42	202	146089	5.953	ng	# 97
78) Pyrene	12.65	202	130391	5.143	ng	# 99
81) Benzo(a)anthracene	13.84	228	68287	3.258	ng	# 92
83) Chrysene	13.88	228	72889	3.400	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.84	149	101603	7.931	ng	# 96
88) Benzo(b)fluoranthene	14.87	252	115011	5.097	ng	# 85
89) Benzo(k)fluoranthene	14.87	252	115011	5.790	ng	# 84
90) Benzo(a)pyrene	15.21	252	56297	2.888	ng	# 78

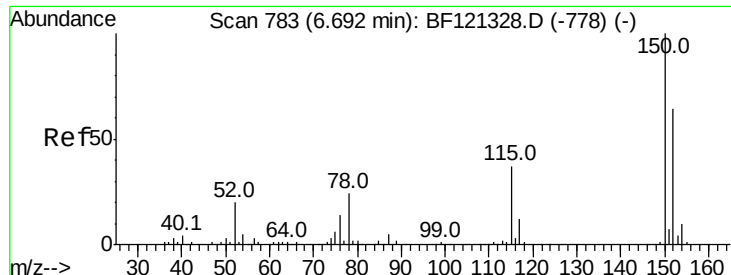
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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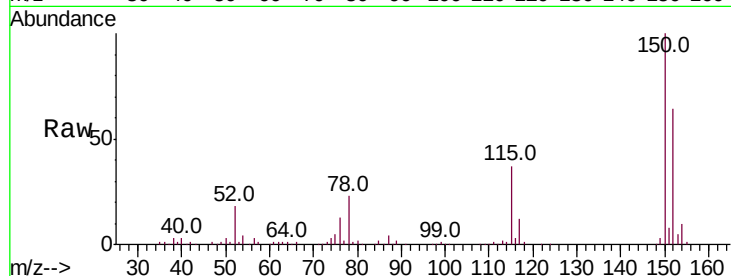


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.8	187.2
115	56.7	46.1	69.1

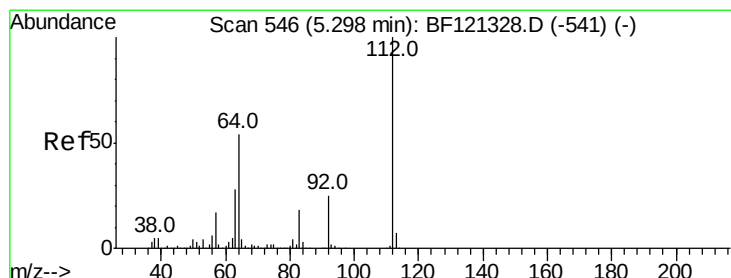
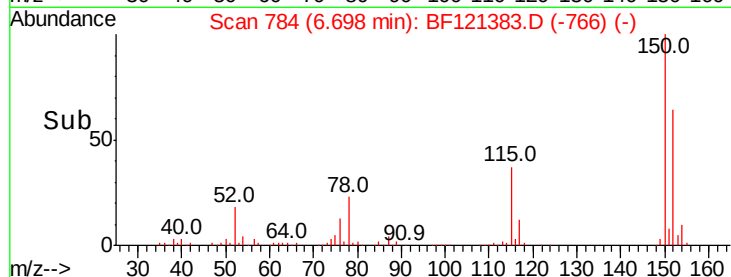
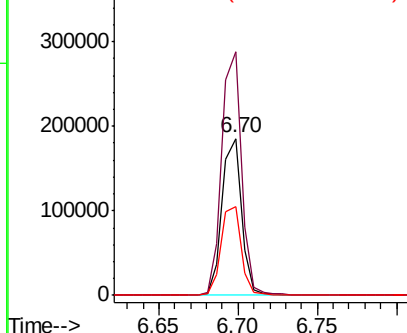


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

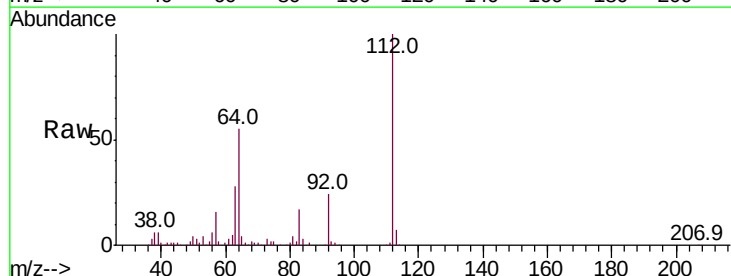
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.354 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	43.5	65.3
63	27.6	22.0	33.0

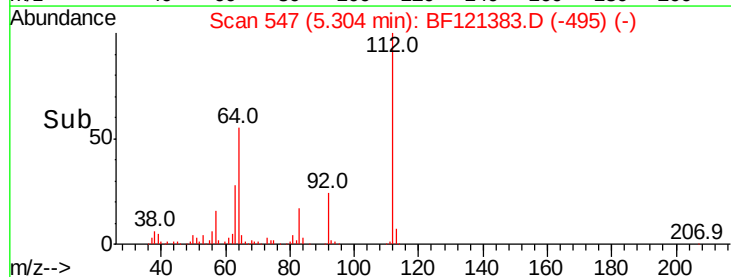
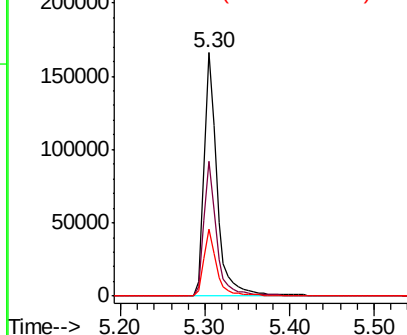


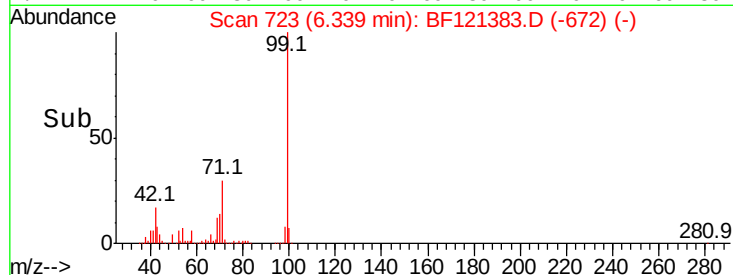
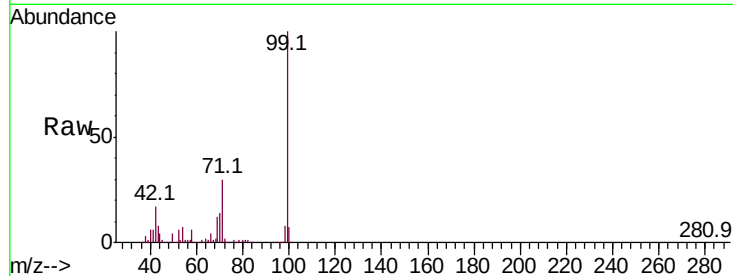
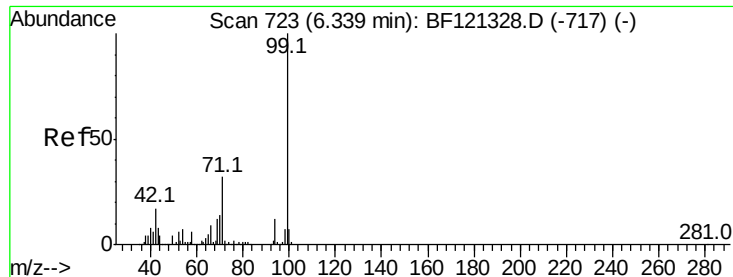
Abundance

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: 38.631 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

Instrument :

BNA_F

ClientSampleId :

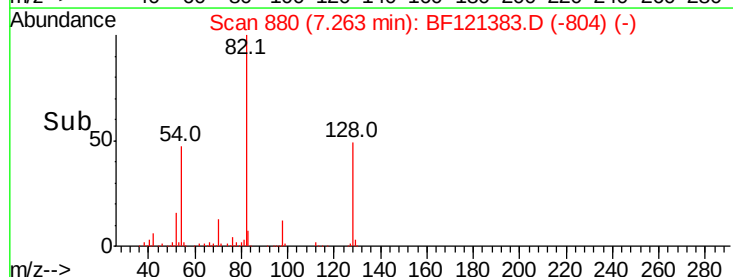
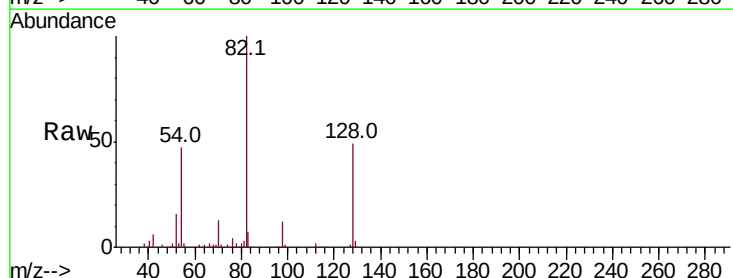
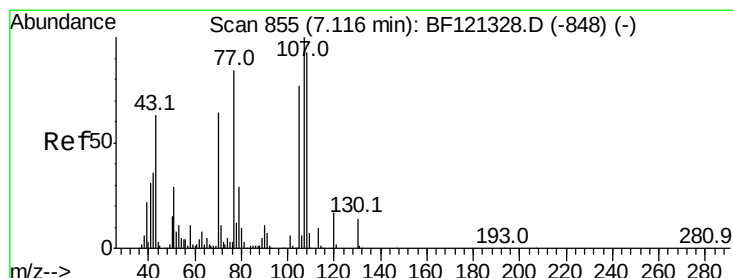
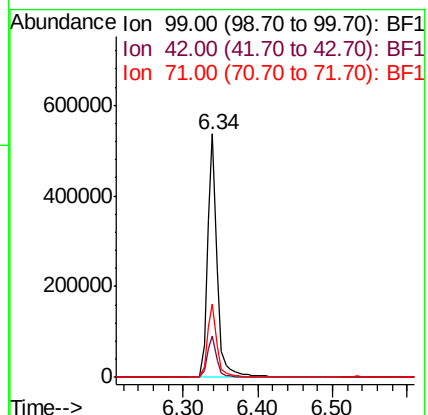
Tot Ion: 99 Resp: 479472

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 30.3 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.557 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

Tgt Ion: 70 Resp: 43766

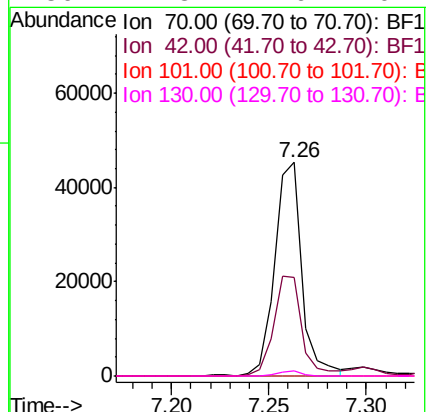
Ion Ratio Lower Upper

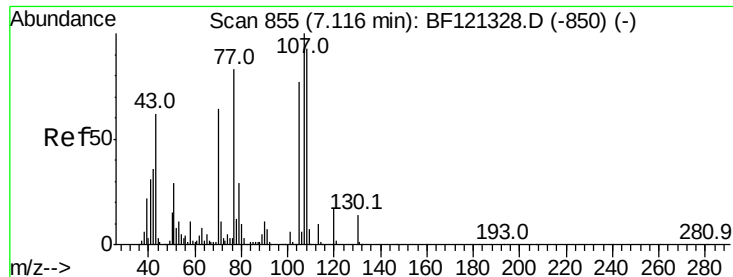
70 100

42 46.4 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 17.6 26.4#

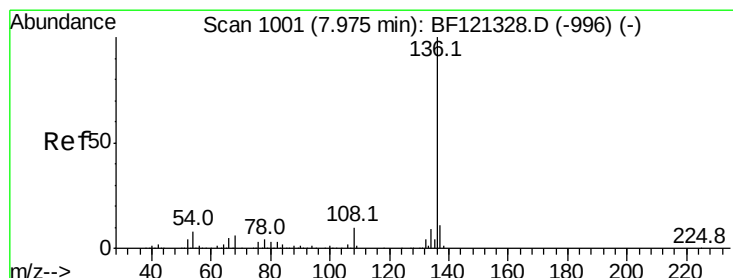
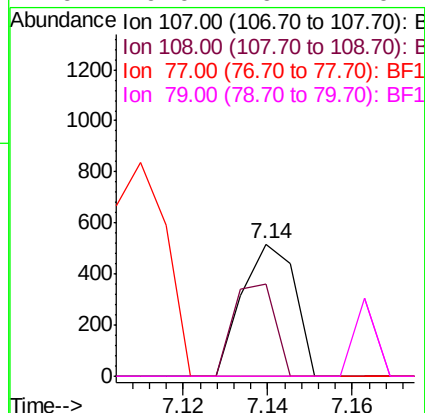
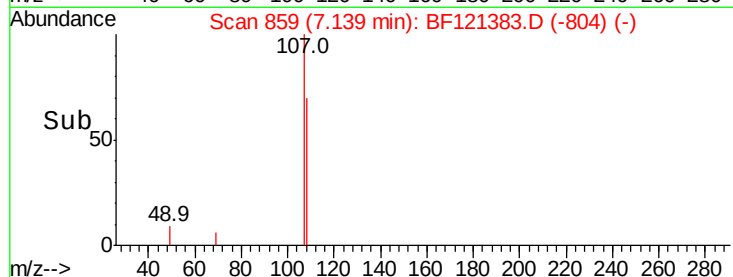
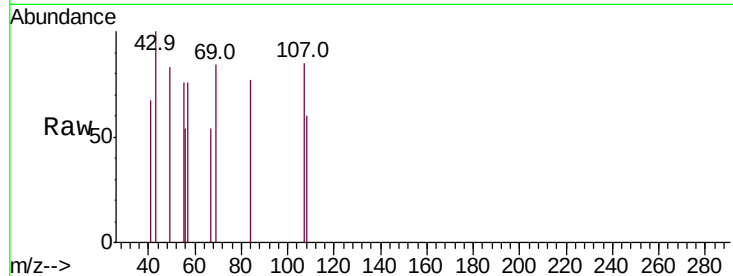




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. 0.02 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

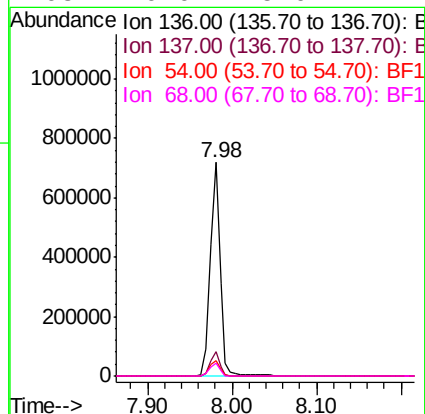
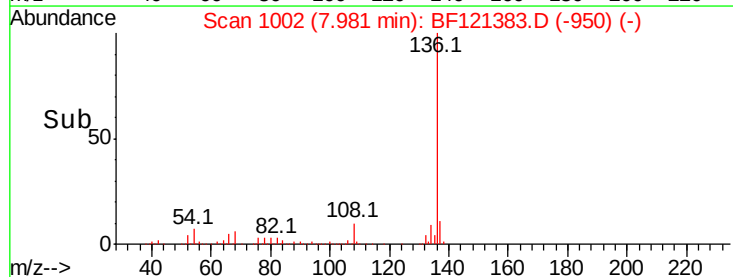
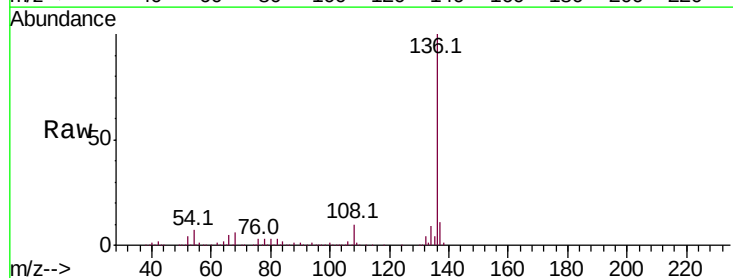
Instrument :
BNA_F
ClientSampleId :

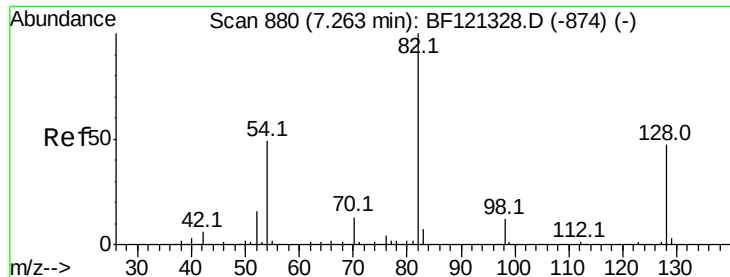
Tot Ion:107 Resp: 451
Ion Ratio Lower Upper
107 100
108 70.2 72.6 112.6#
77 0.0 63.8 103.8#
79 0.0 9.1 49.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion:136 Resp: 592758
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.3 6.1 9.1
68 6.0 5.0 7.4

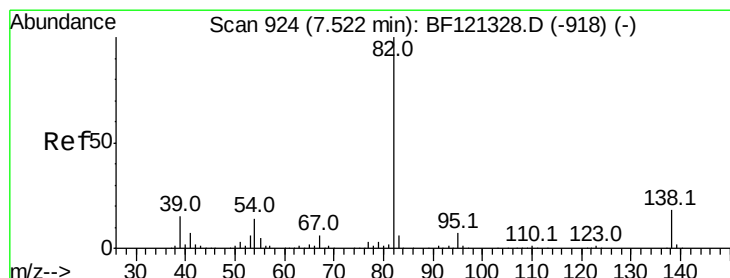
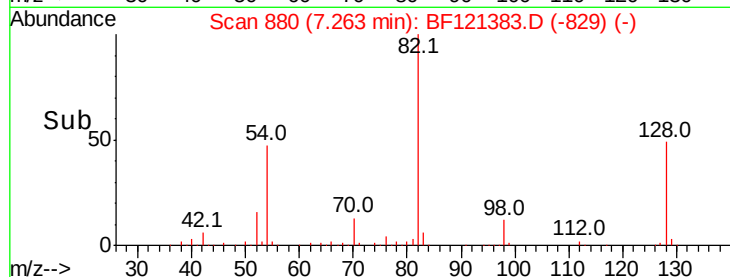
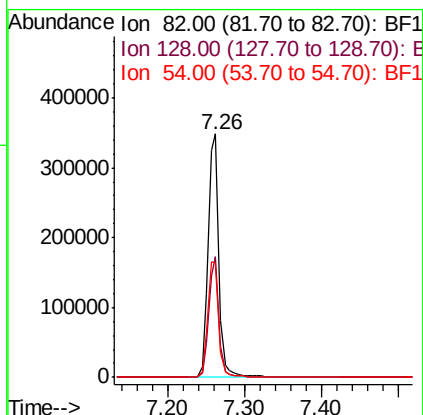
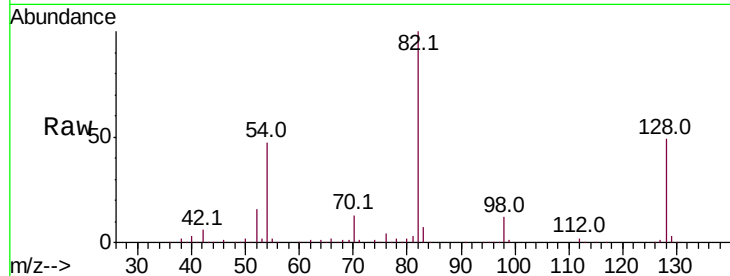




#23
 Nitrobenzene-d5
 Concen: 32.043 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

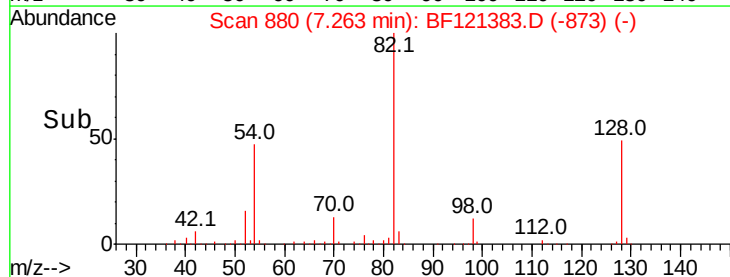
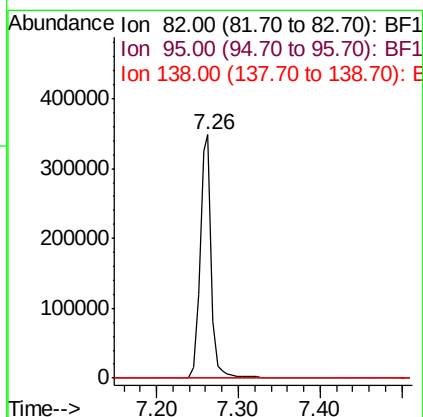
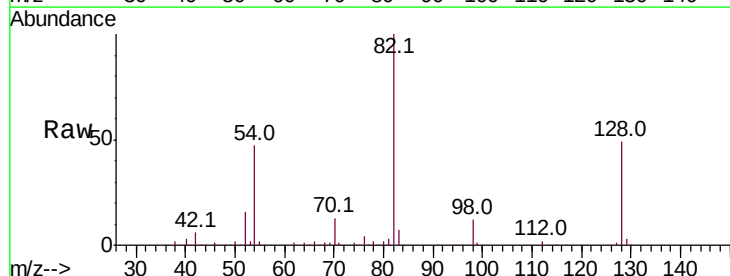
Instrument :
 BNA_F
 ClientSampled :

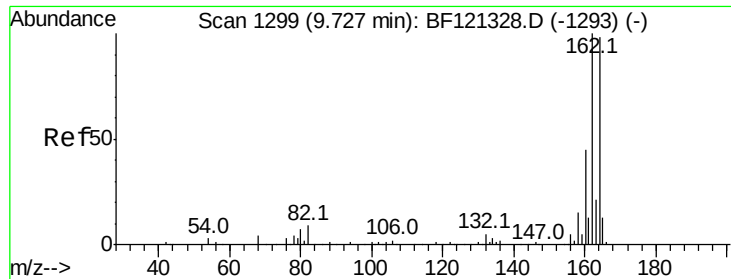
Tot Ion	82	Resp	335839
Ion Ratio	Lower	Upper	
82	100		
128	49.4	37.9	56.9
54	47.0	39.0	58.4



#25
 Isophorone
 Concen: 17.339 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.26 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

Tgt Ion	82	Resp	330719
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.3	7.9#
138	0.0	14.6	21.8#

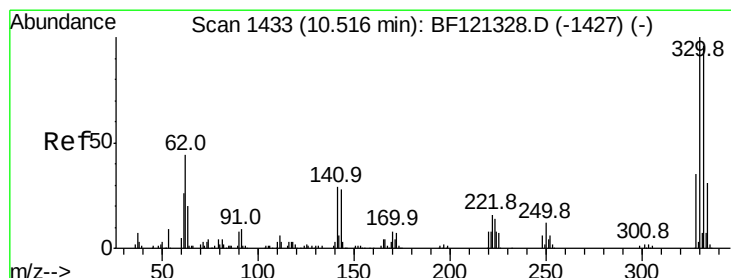
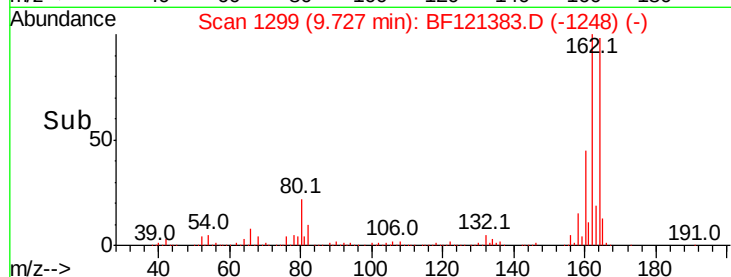
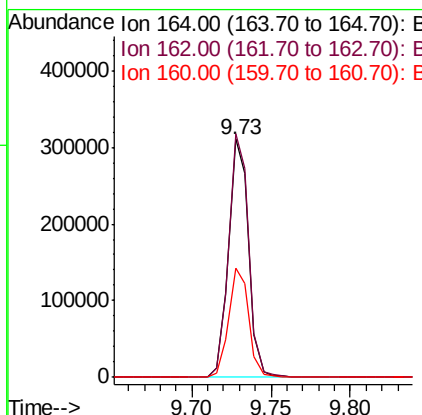
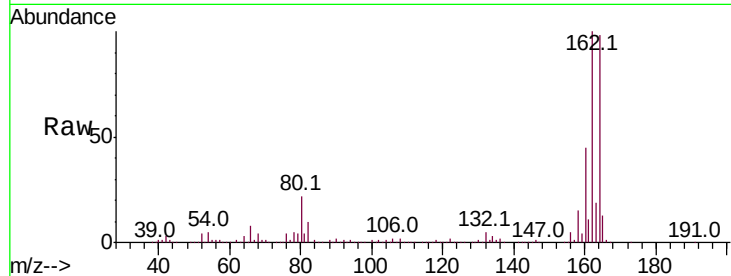




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

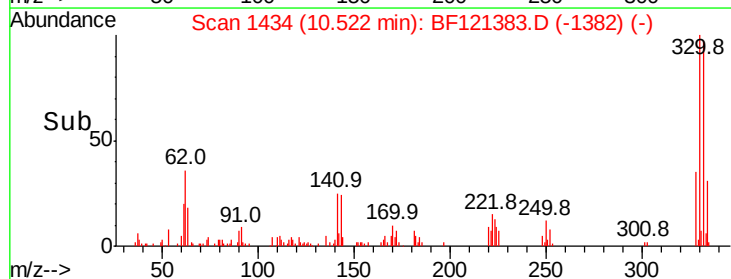
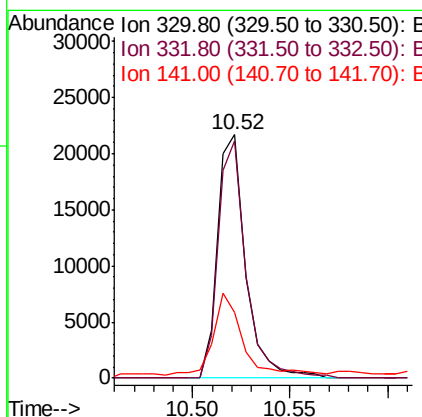
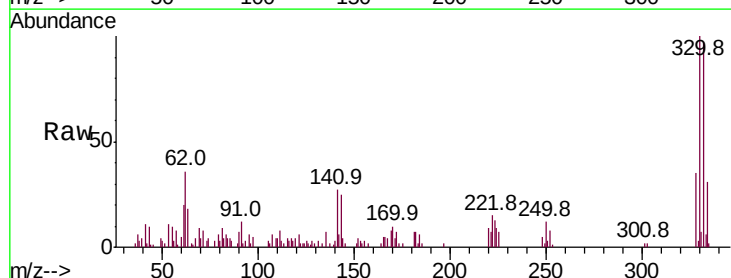
Instrument :
 BNA_F
 ClientSampleId :

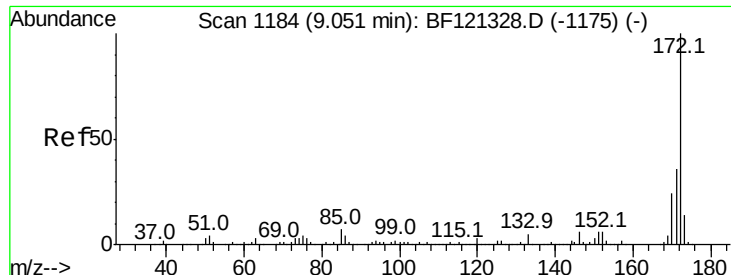
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.7	122.5
160	45.8	37.0	55.4



#42
 2,4,6-Tribromophenol
 Concen: 6.849 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	36.8	22.8	34.2

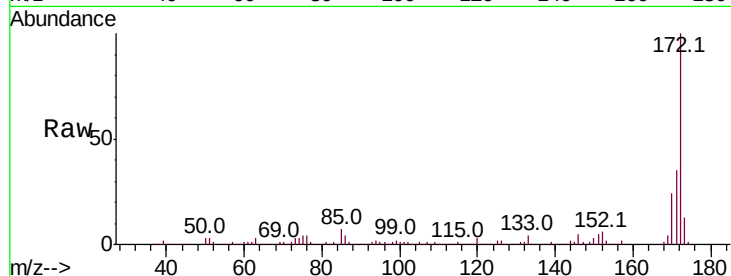




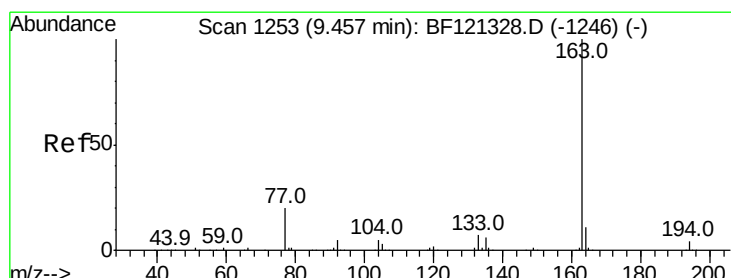
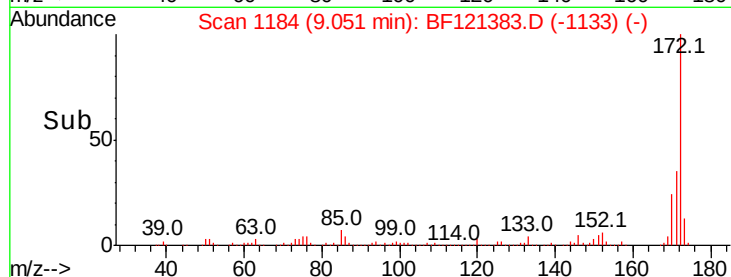
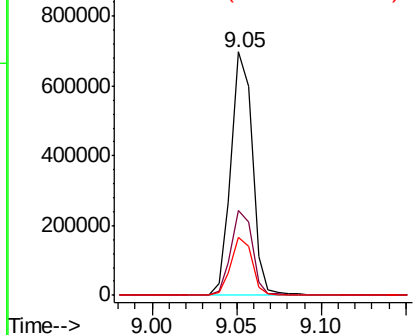
#45
2-Fluorobiphenyl
Concen: 36.319 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.7	19.4	29.2

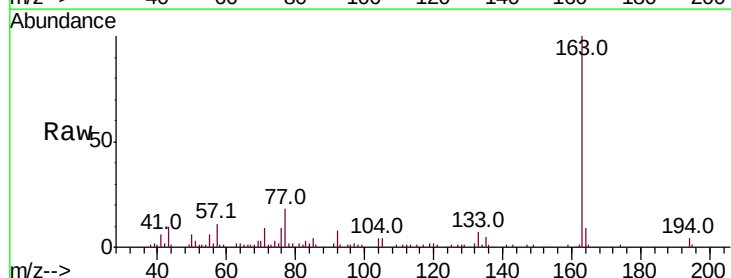


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

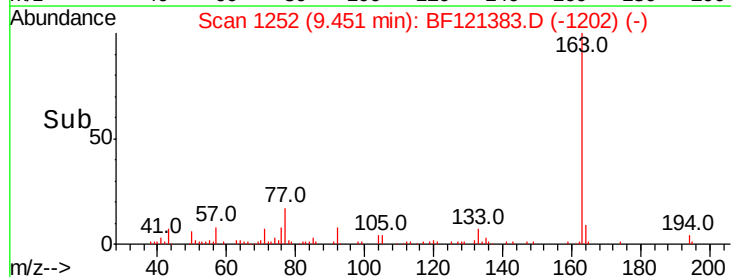
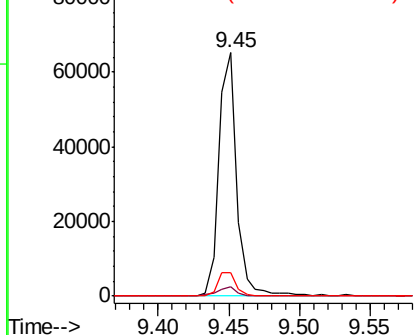


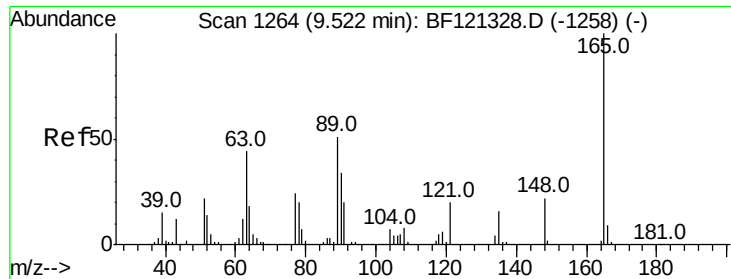
#50
Dimethylphthalate
Concen: 2.899 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.4	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

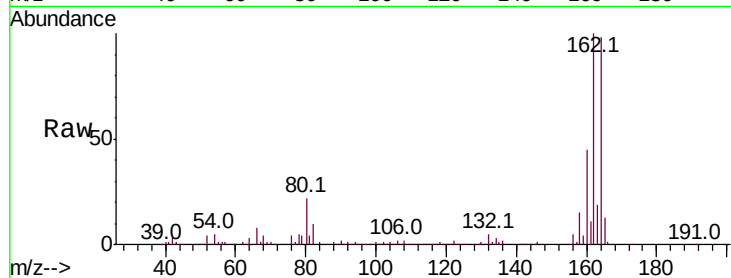




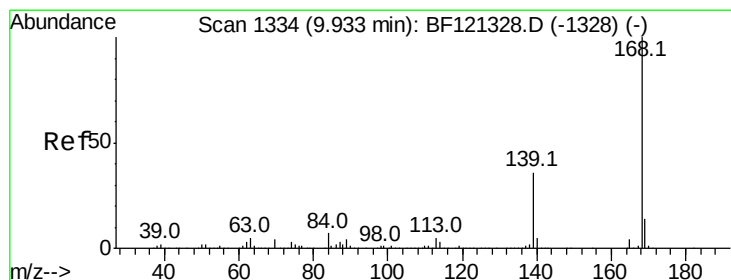
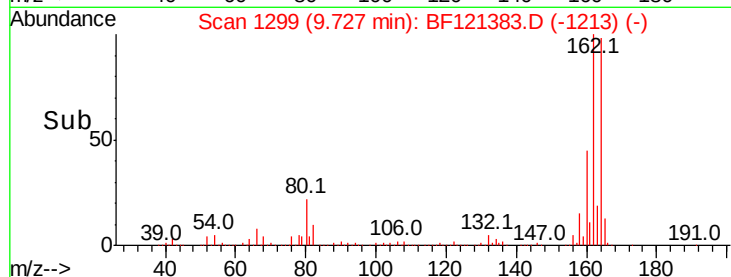
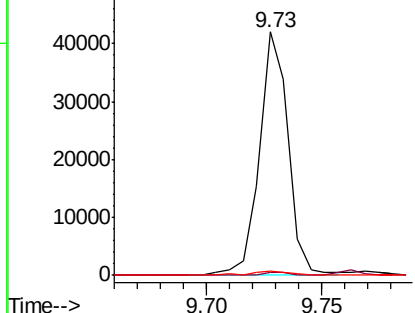
#51
2,6-Dinitrotoluene
Concen: 8.651 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.5	57.7#
89	1.6	41.2	61.8#

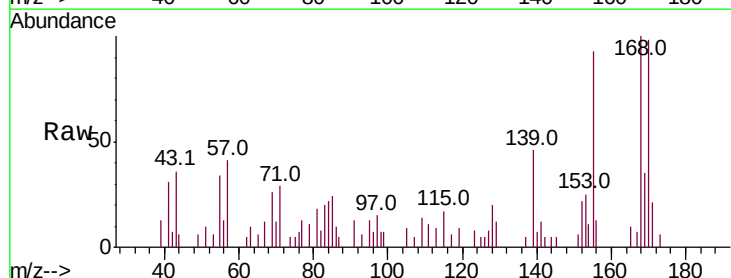


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

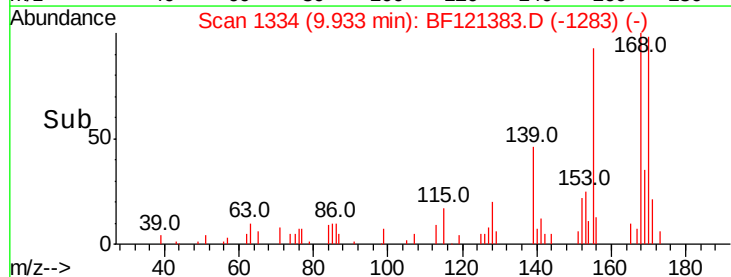
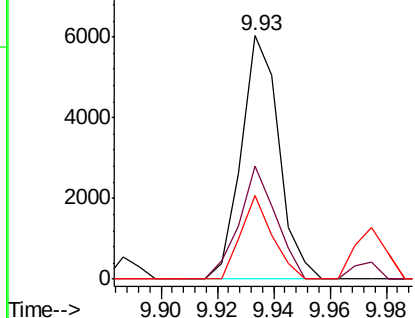


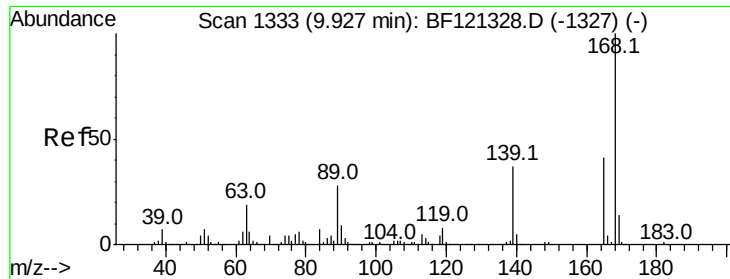
#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
168	100		
139	46.4	29.1	43.7#
169	34.6	11.0	16.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

2,4-Dinitrotoluene

Concen: 7.091 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.20 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 36522

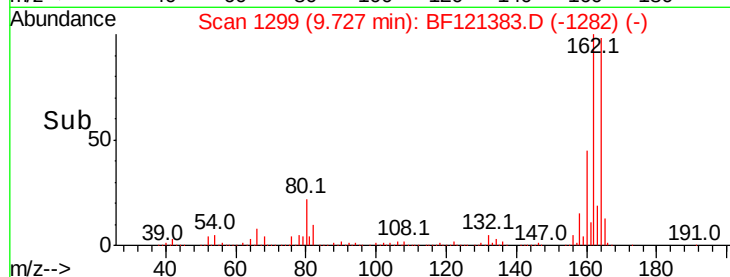
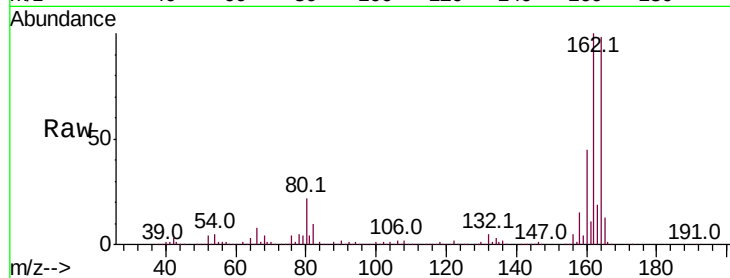
Ion Ratio Lower Upper

165 100

63 1.4 37.5 56.3#

89 1.6 54.2 81.4#

182 0.0 2.2 3.4#

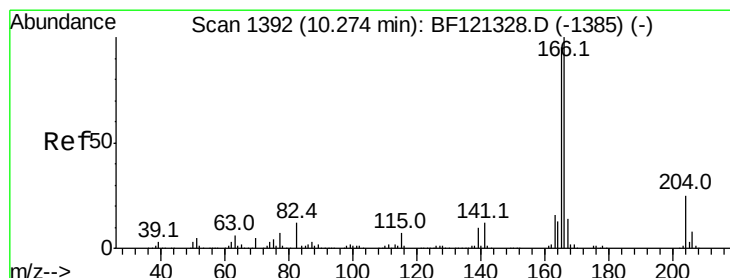
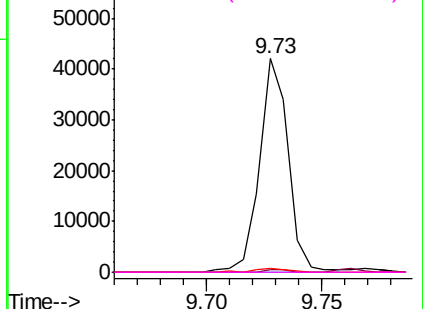


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

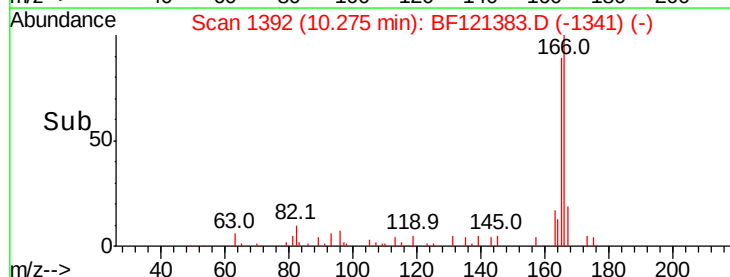
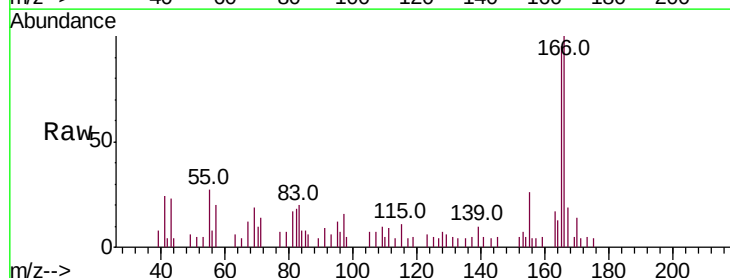
Tgt Ion:166 Resp: 8977

Ion Ratio Lower Upper

166 100

165 94.9 75.8 113.8

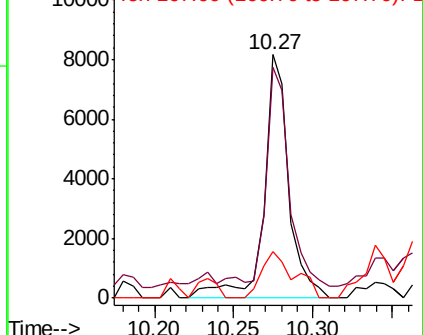
167 19.1 11.0 16.4#

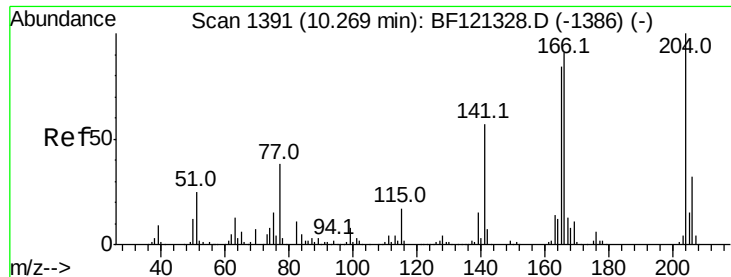


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

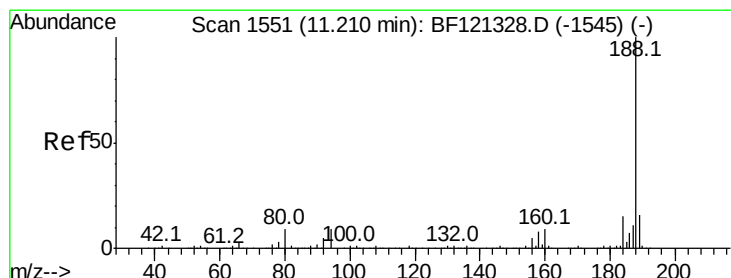
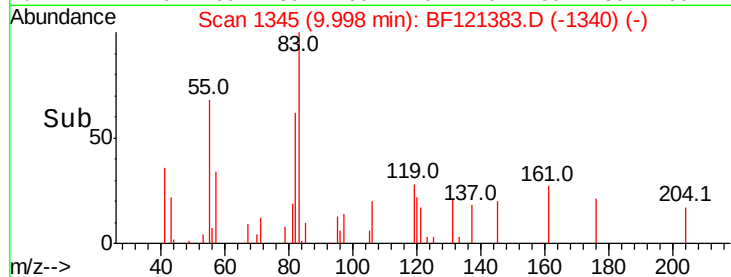
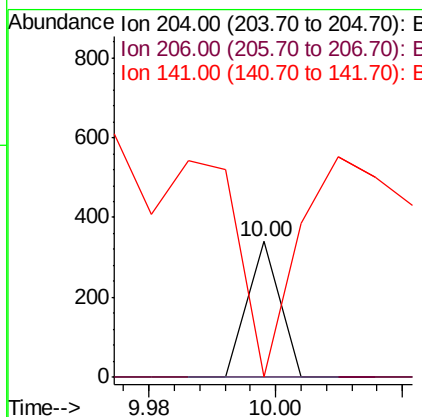
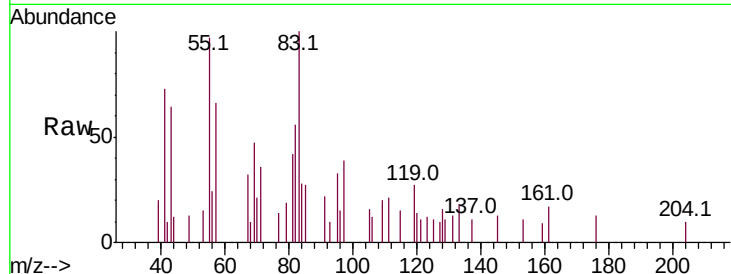




#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.27 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

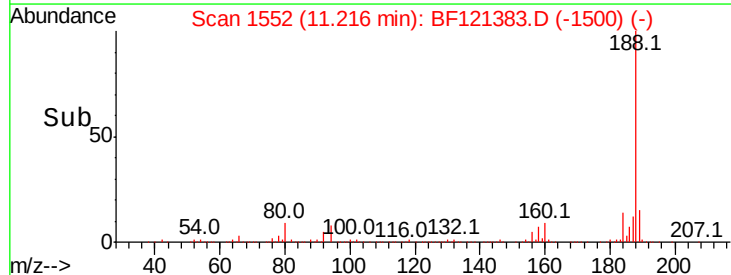
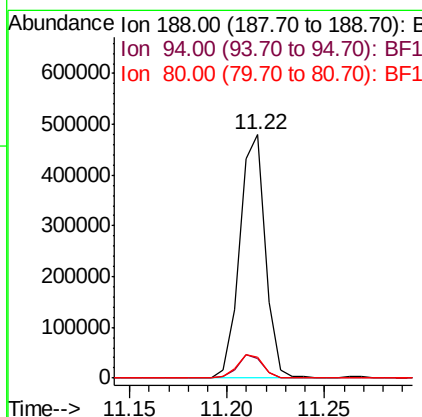
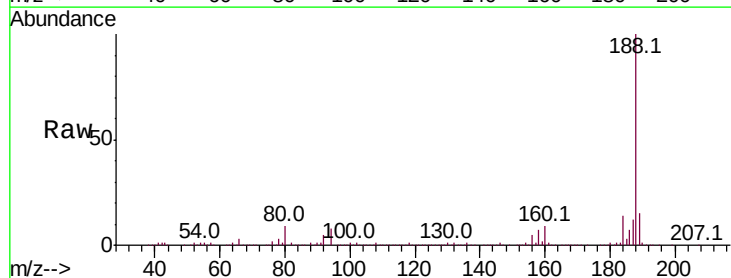
Instrument :
 BNA_F
 ClientSampled :

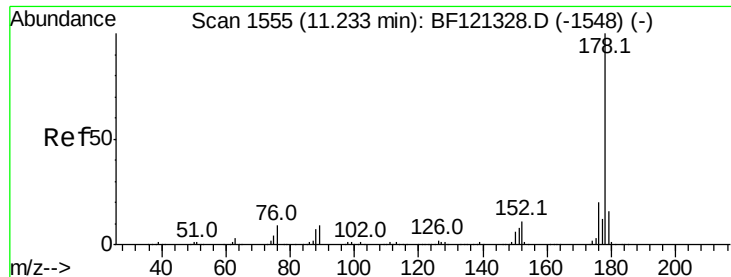
Tot Ion:204 Resp: 120
 Ion Ratio Lower Upper
 204 100
 206 0.0 25.9 38.9#
 141 0.0 45.5 68.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

Tgt Ion:188 Resp: 436879
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.2 10.8
 80 8.8 7.4 11.0

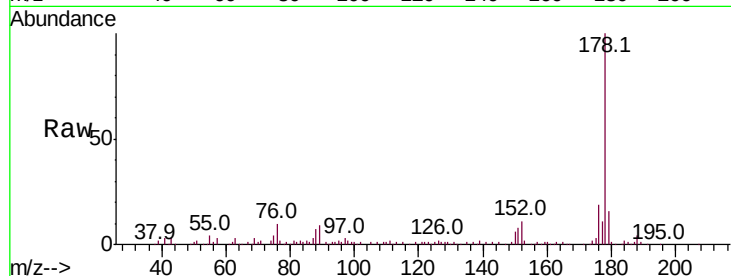




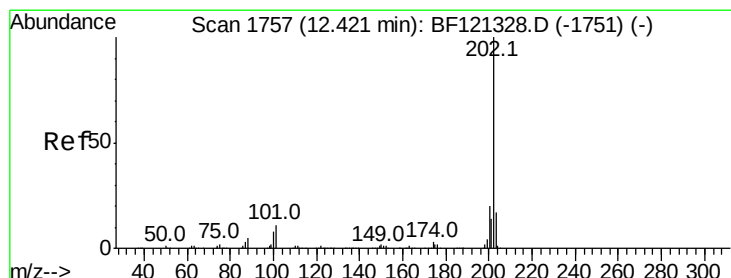
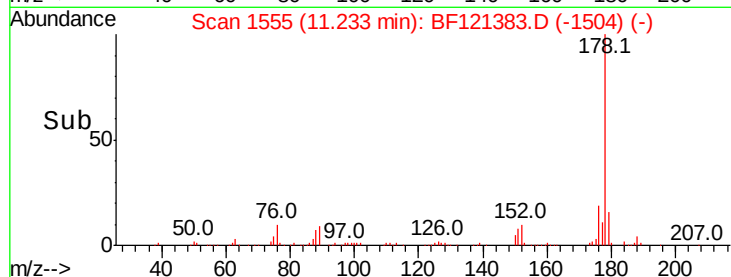
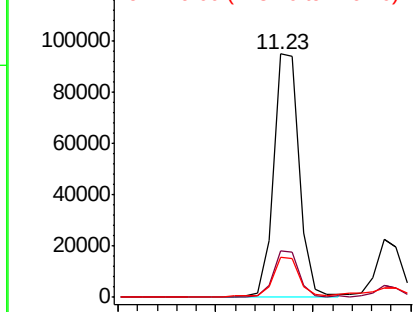
#71
Phenanthrene
Concen: 3.820 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 86383
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 16.4 12.8 19.2

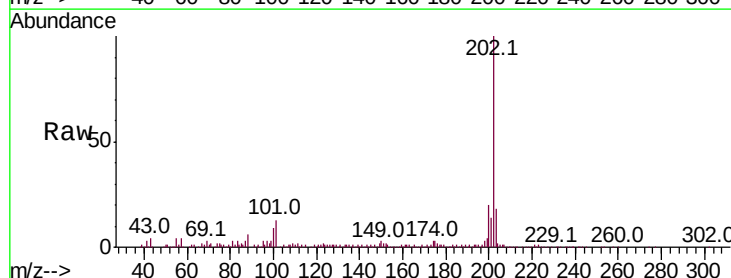


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

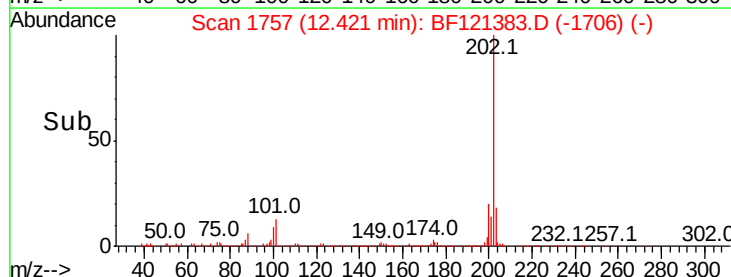
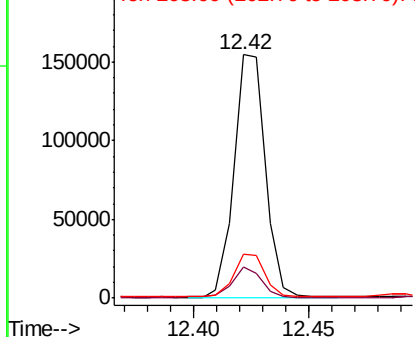


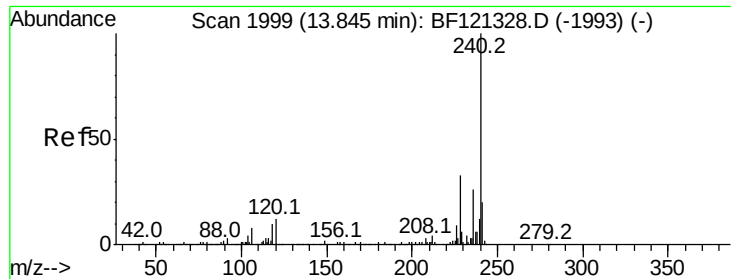
#75
Fluoranthene
Concen: 5.953 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion:202 Resp: 146089
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.6
203 17.8 0.0 37.5



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: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

Instrument :

BNA_F

ClientSampleId :

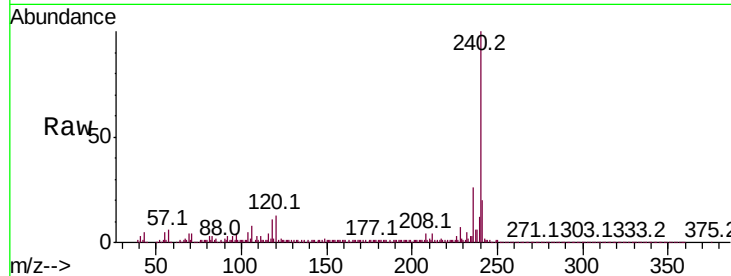
Tot Ion:240 Resp: 337500

Ion Ratio Lower Upper

240 100

120 12.5 9.6 14.4

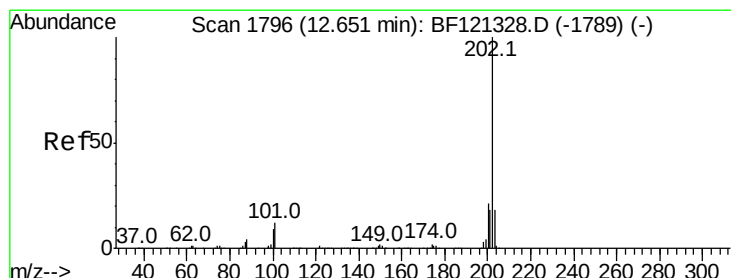
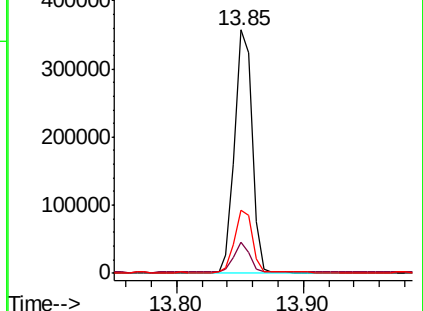
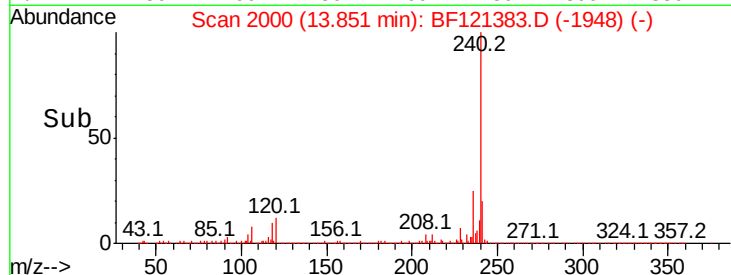
236 25.8 20.6 31.0



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: 5.143 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

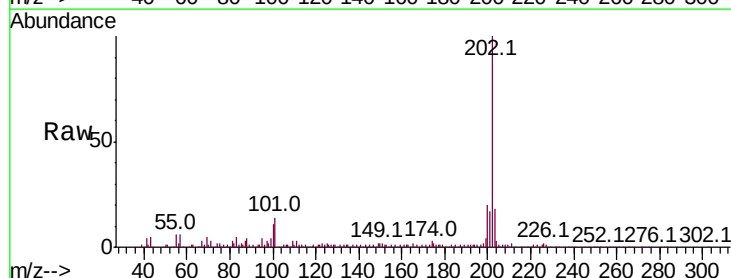
Tgt Ion:202 Resp: 130391

Ion Ratio Lower Upper

202 100

200 20.1 16.6 24.8

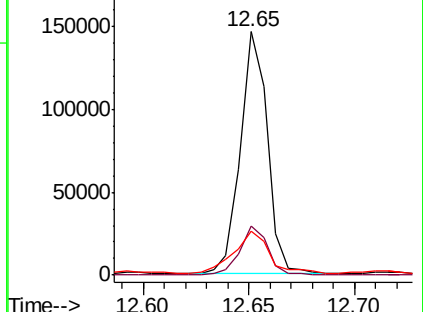
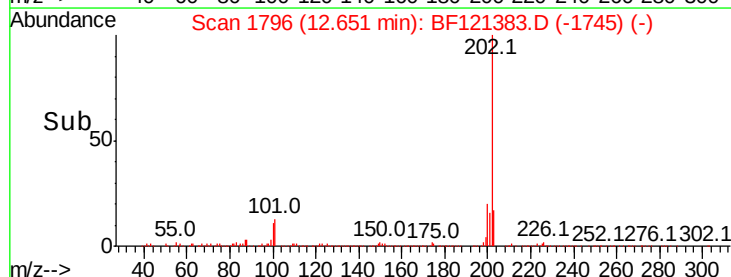
203 18.1 14.2 21.2

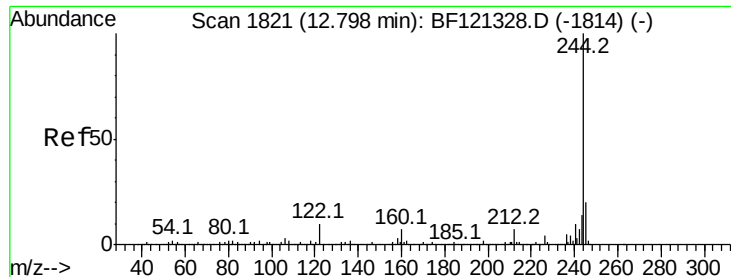


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



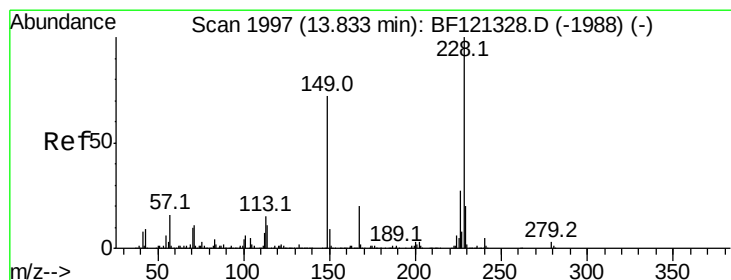
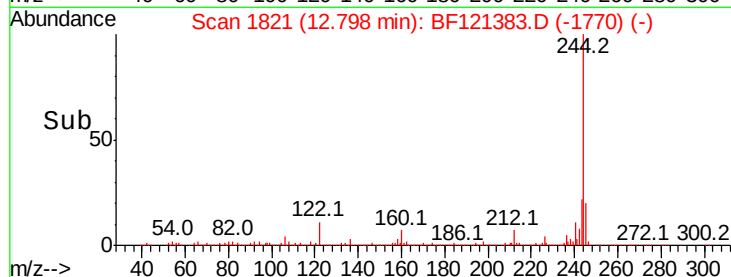
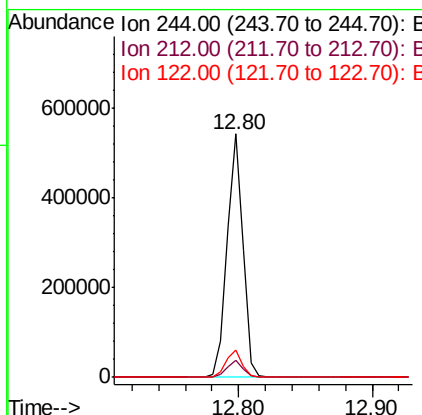
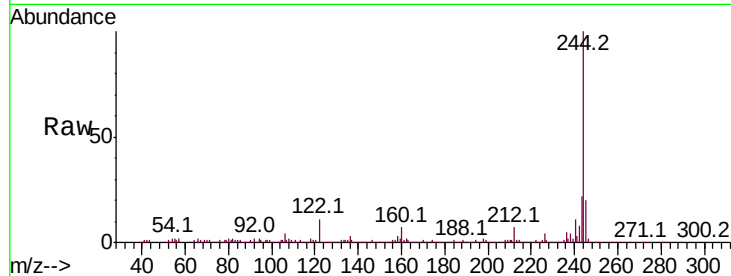


#79
 Terphenyl-d14
 Concen: 26.410 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 456123

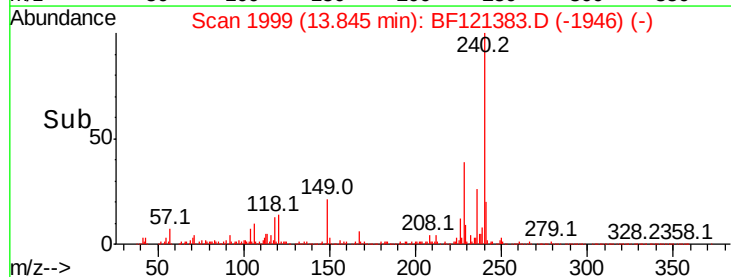
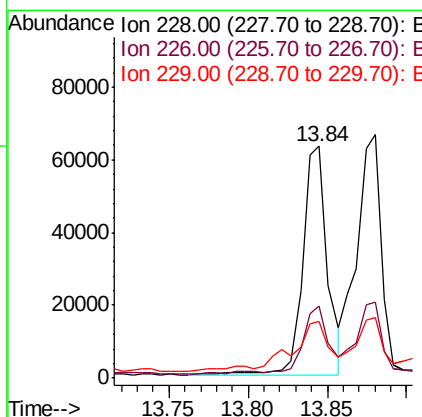
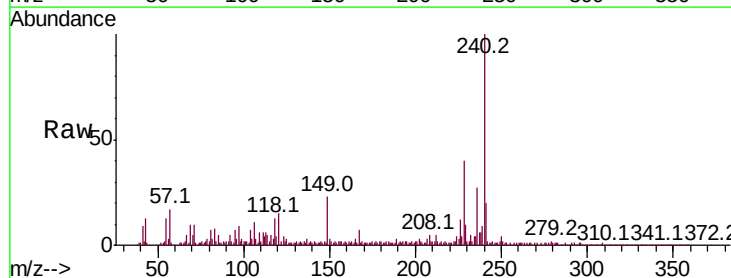
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.3	7.8	11.8

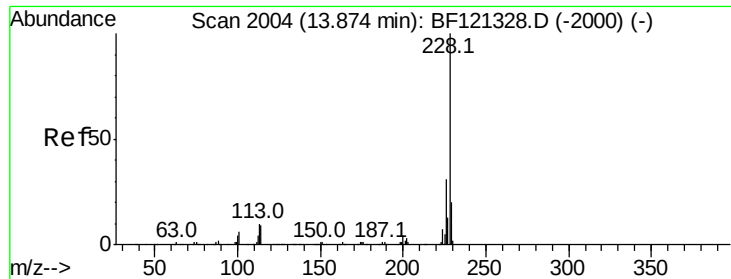


#81
 Benzo(a)anthracene
 Concen: 3.258 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF121383.D
 Acq: 21 Aug 2020 23:23

Tgt Ion:228 Resp: 68287

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.6
229	24.3	15.8	23.8





#83

Chrysene

Concen: 3.400 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

Instrument :

BNA_F

ClientSampleId :

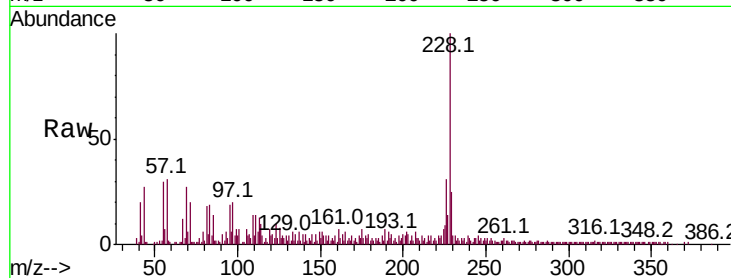
Tot Ion:228 Resp: 72889

Ion Ratio Lower Upper

228 100

226 31.3 24.6 36.8

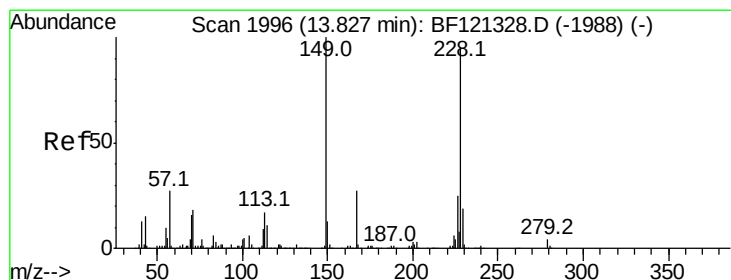
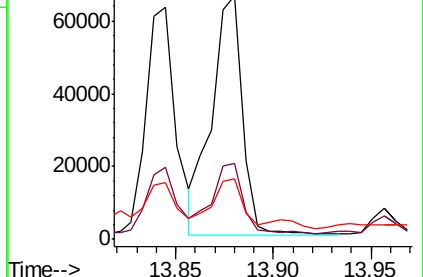
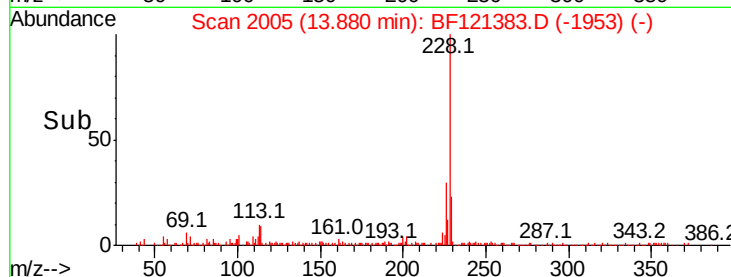
229 25.0 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.931 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121383.D

Acq: 21 Aug 2020 23:23

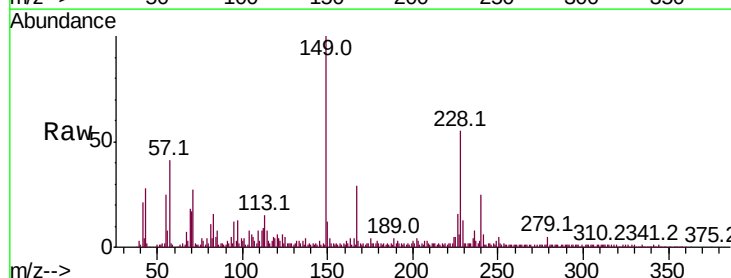
Tgt Ion:149 Resp: 101603

Ion Ratio Lower Upper

149 100

167 29.0 21.5 32.3

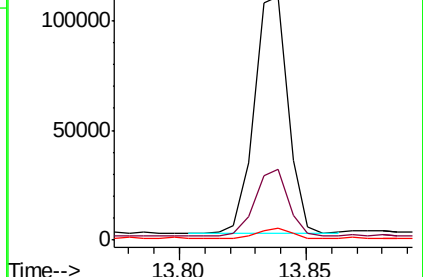
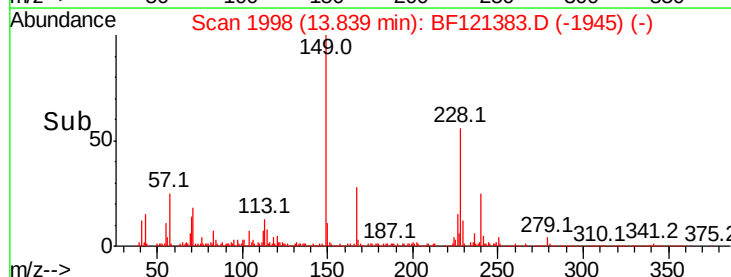
279 4.8 2.9 4.3#

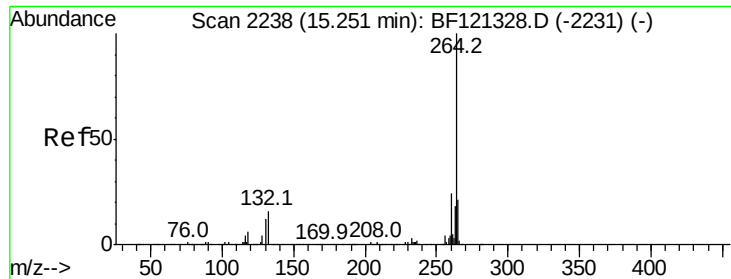


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

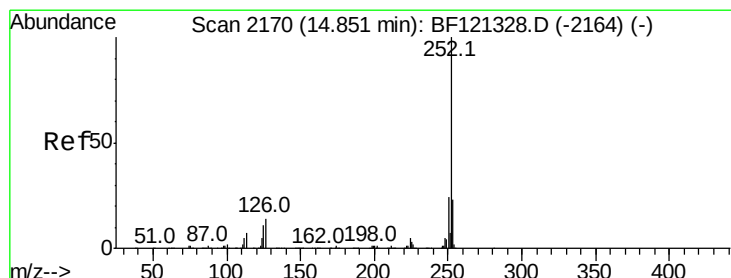
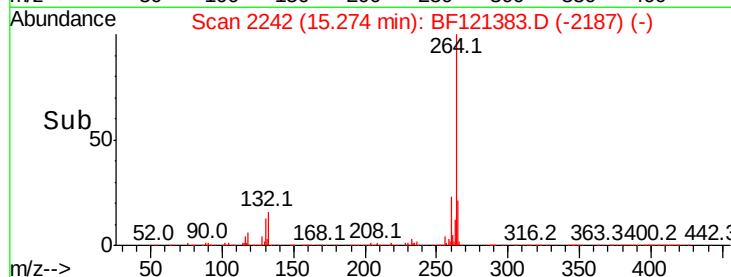
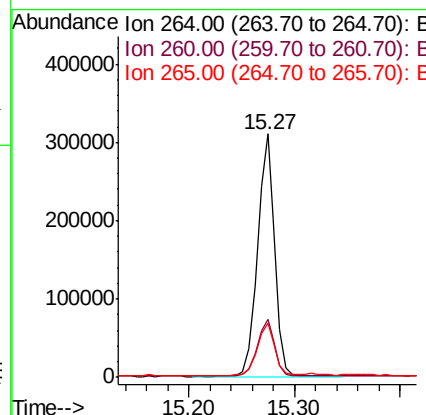
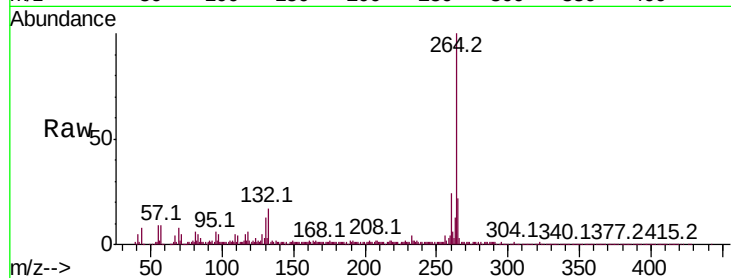




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

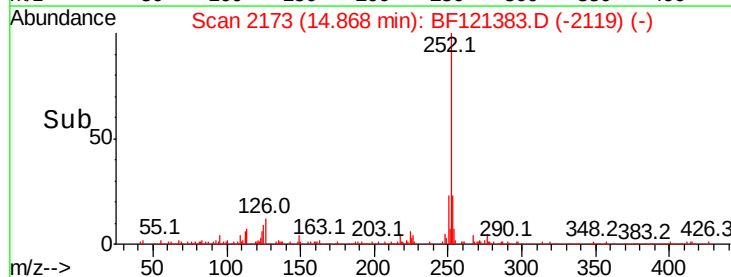
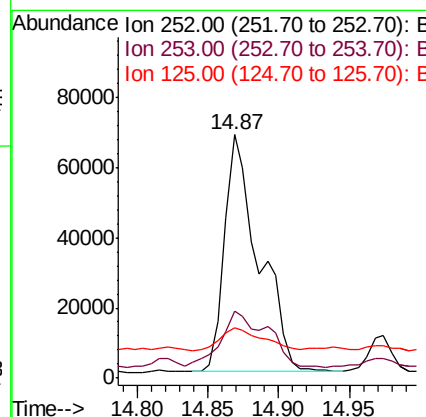
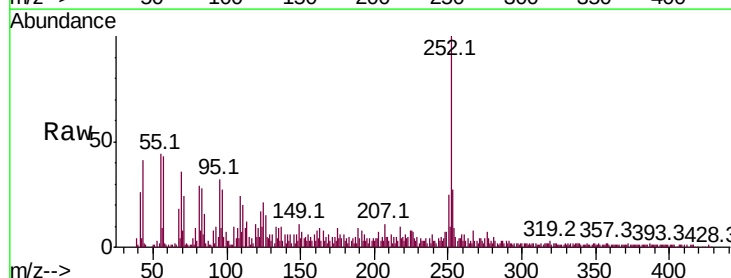
Instrument :
BNA_F
ClientSampleId :

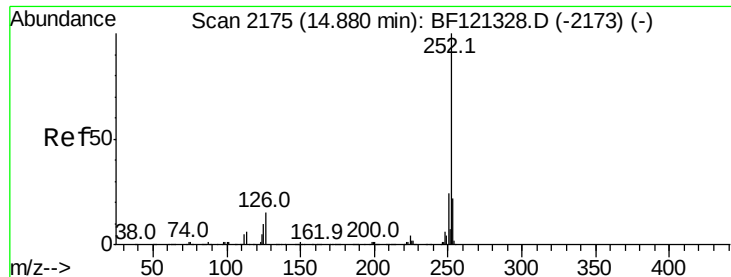
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.1	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 5.097 ng
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.0	27.0#
125	20.8	8.6	12.8#

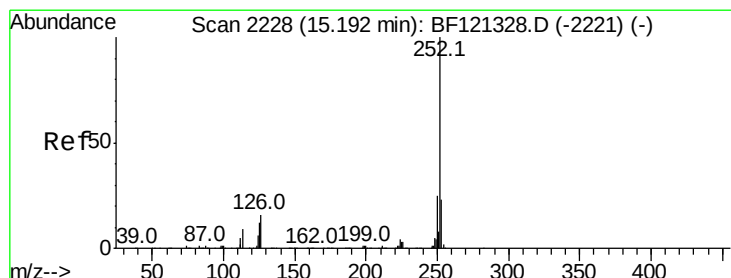
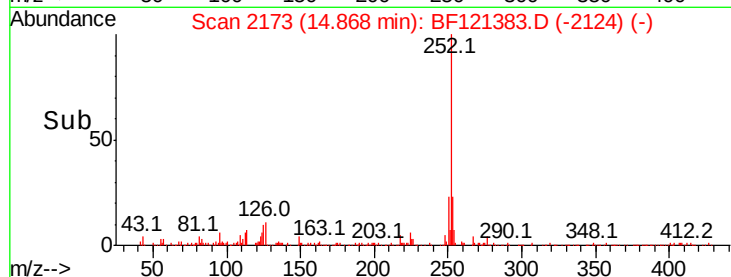
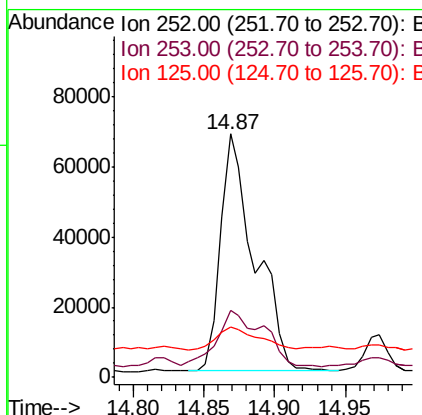
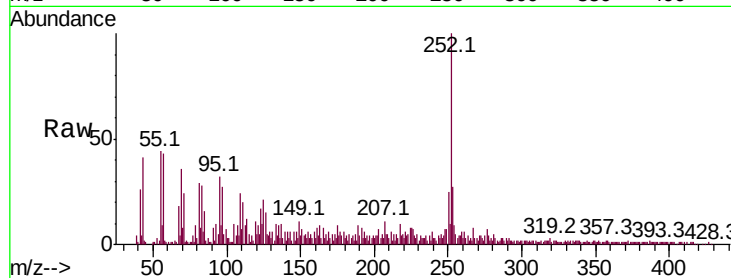




#89
Benzo(k)fluoranthene
Concen: 5.790 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.9	26.9#
125	20.8	8.6	12.8#



#90
Benzo(a)pyrene
Concen: 2.888 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121383.D
Acq: 21 Aug 2020 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.0	27.0#
125	27.1	9.4	14.0#

