

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115716.D
 Acq On : 22 Jul 2019 18:20
 Operator : HP/JU
 Sample : K3622-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:18:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	148229	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	571561	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	279237	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	431799	20.00	ng	0.00
76) Chrysene-d12	14.04	240	361727	20.00	ng	0.00
87) Perylene-d12	15.52	264	336070	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	193485	21.35	ng	-0.01
7) Phenol-d6	6.50	99	259106	22.53	ng	-0.01
23) Nitrobenzene-d5	7.43	82	149800	15.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	55971	17.17	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	285811	17.91	ng	-0.02
79) Terphenyl-d14	12.99	244	253753	12.94	ng	-0.01

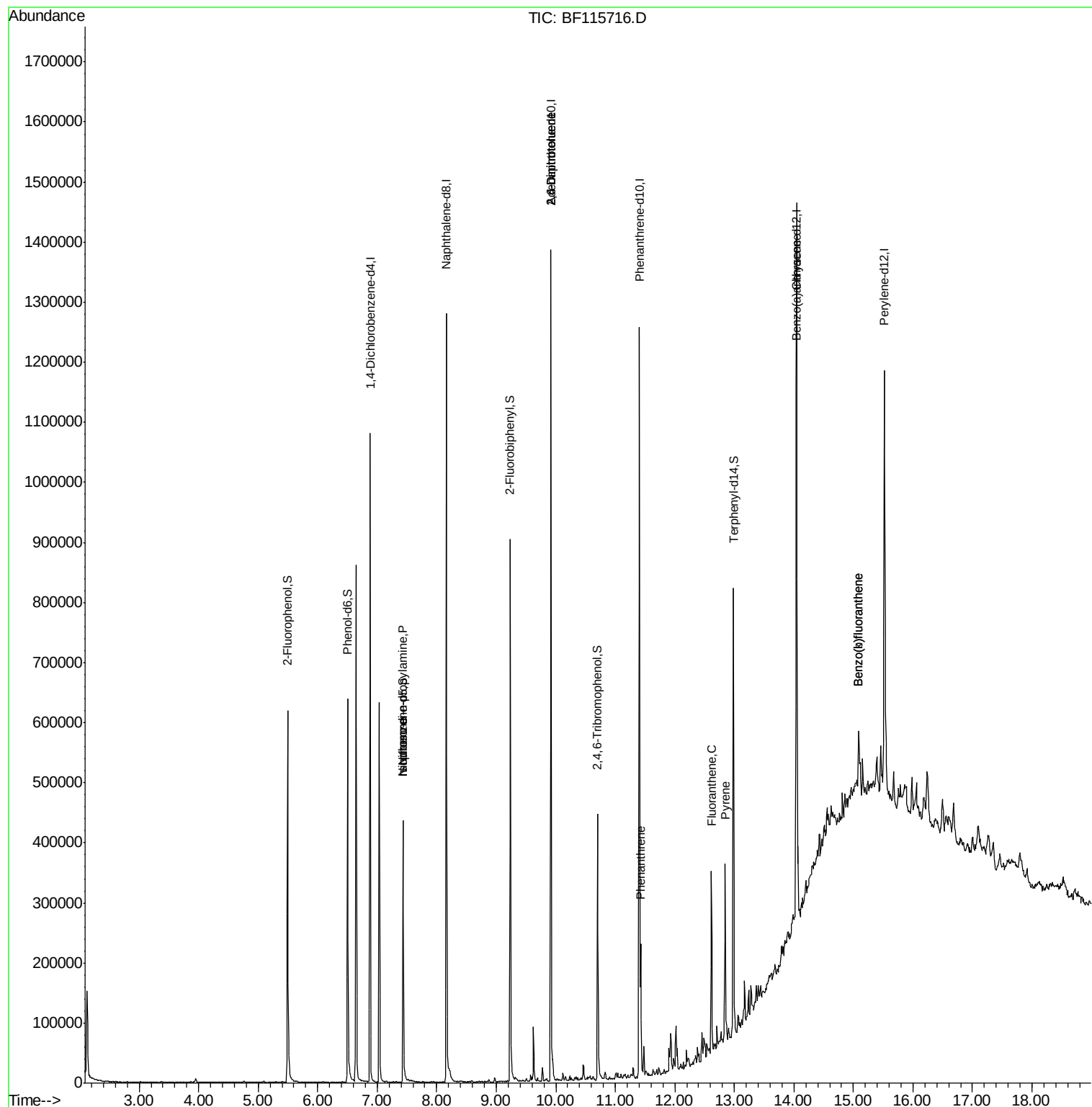
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	19710	2.628	ng	# 80
25) Isophorone	7.43	82	146675	7.457	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	36044	7.549	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	36044	5.827	ng	# 24
71) Phenanthrene	11.43	178	71052	3.210	ng	97
75) Fluoranthene	12.62	202	111133	4.751	ng	99
78) Pyrene	12.84	202	115394	3.765	ng	96
81) Benzo(a)anthracene	14.03	228	50458	2.117	ng	97
88) Benzo(b)fluoranthene	15.09	252	62323	2.880	ng	# 81
89) Benzo(k)fluoranthene	15.09	252	62323	3.230	ng	# 82

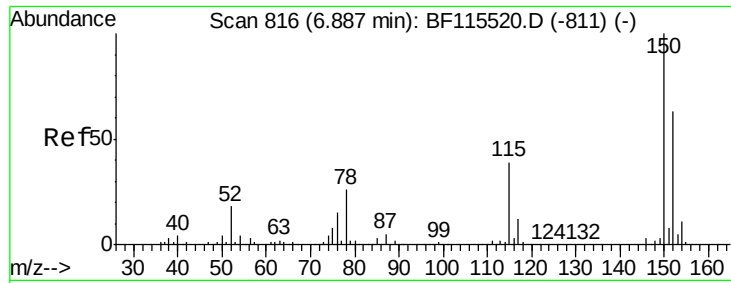
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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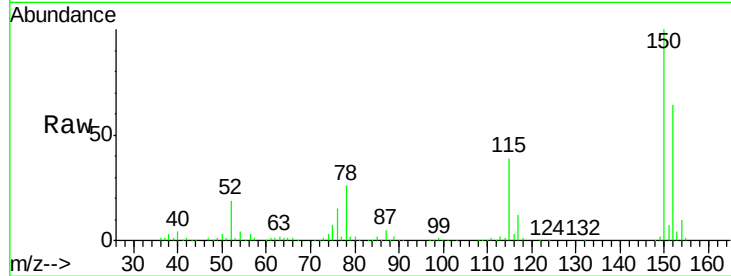


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	129.7	194.5
115	60.5	48.2	72.4

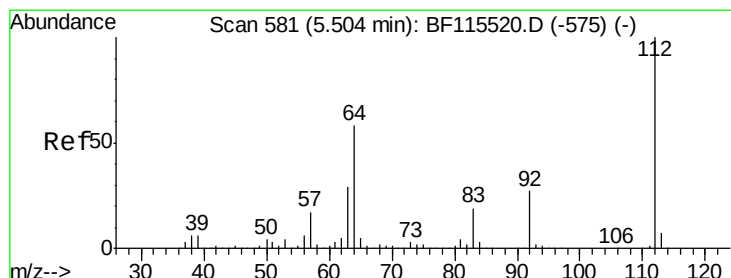
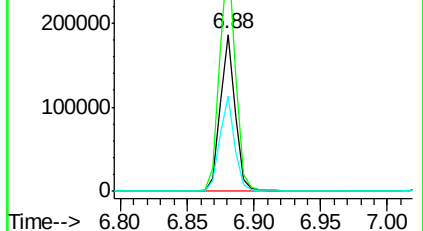
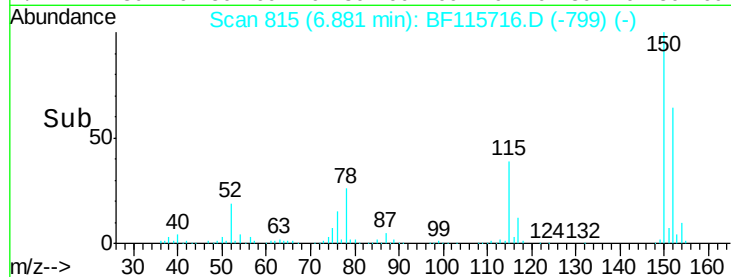


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

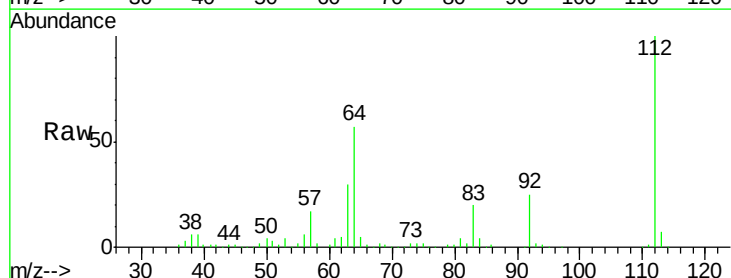
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.351 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.8	70.2
63	29.6	24.1	36.1

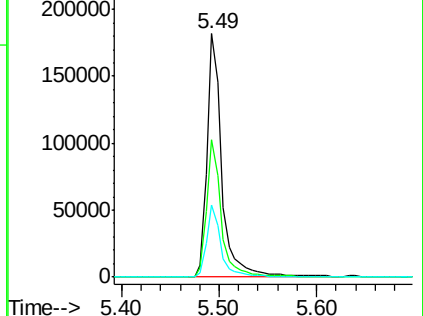
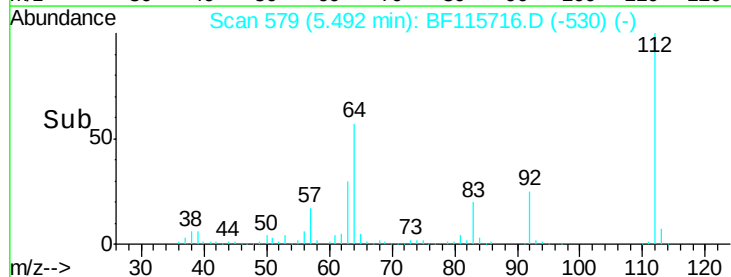


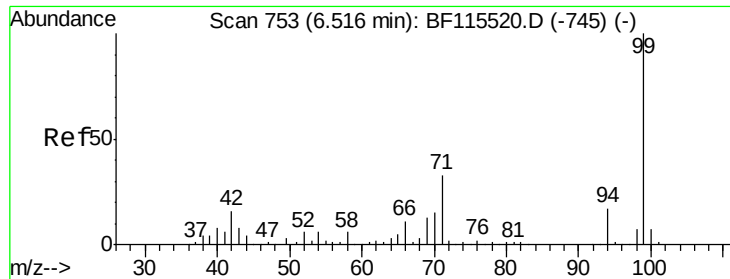
Abundance

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: 22.533 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampleId :

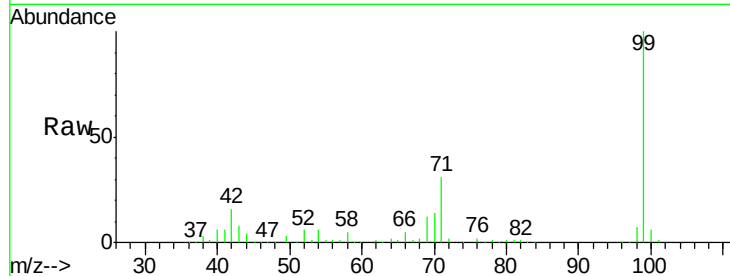
Tot Ion: 99 Resp: 259106

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

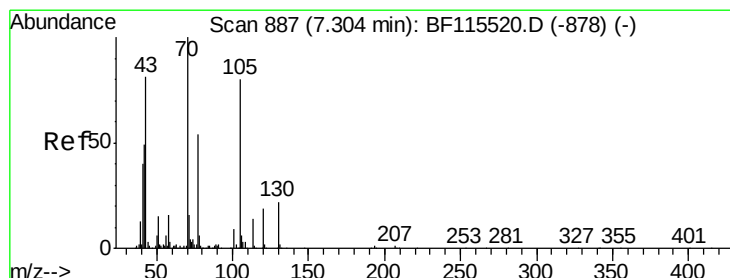
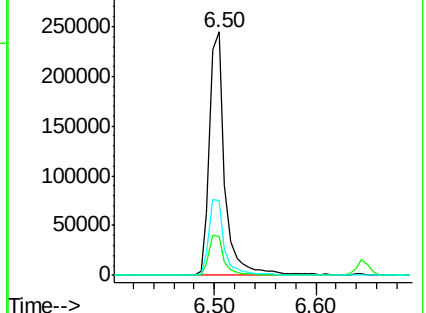
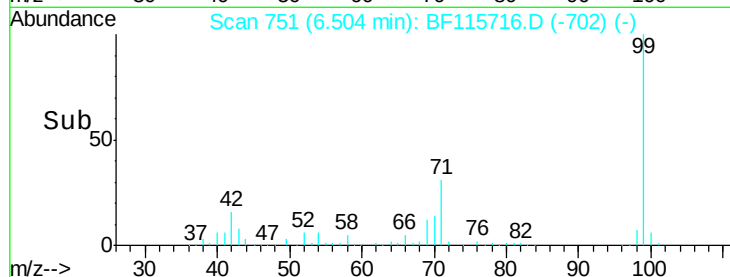
71 30.7 28.5 42.7



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: 2.628 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Tgt Ion: 70 Resp: 19710

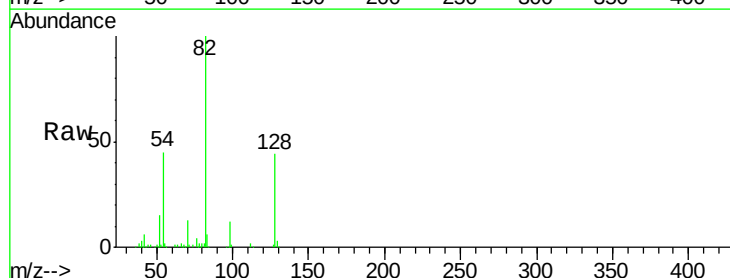
Ion Ratio Lower Upper

70 100

42 43.3 39.6 59.4

101 0.0 8.1 12.1#

130 2.4 18.2 27.2#

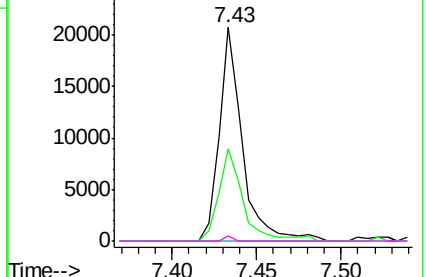
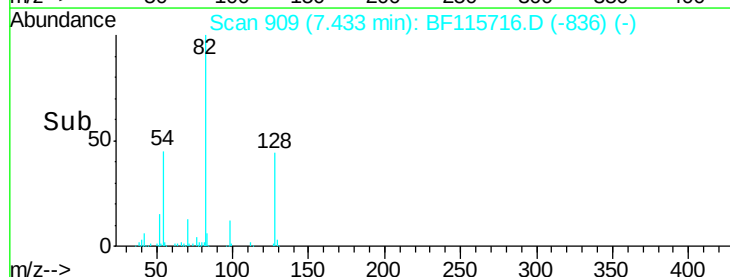


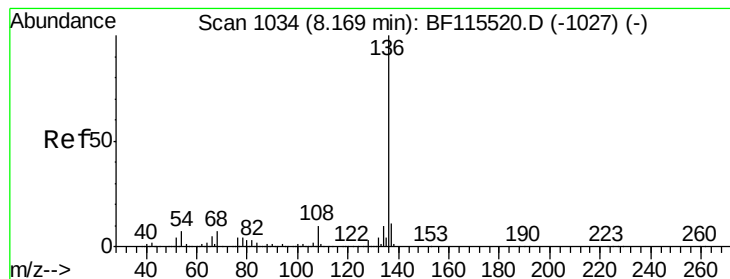
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 571561

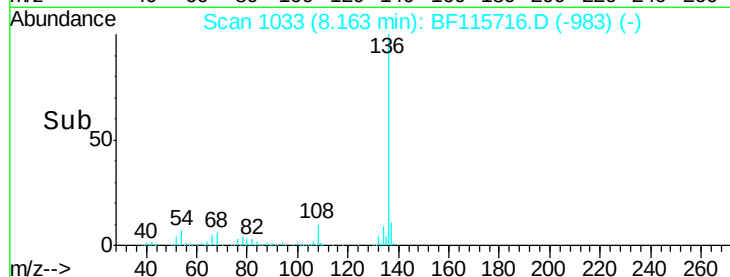
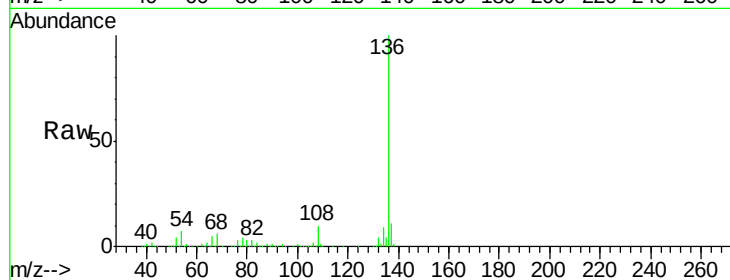
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.8 5.6 8.4

68 5.8 5.0 7.6

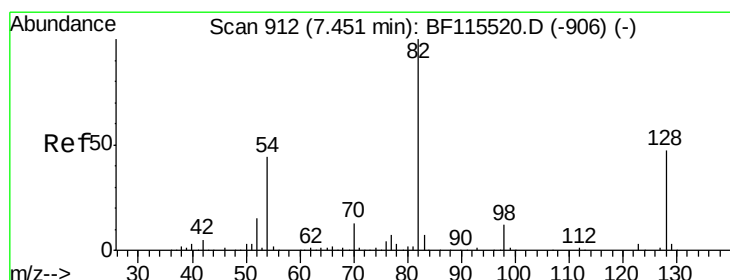
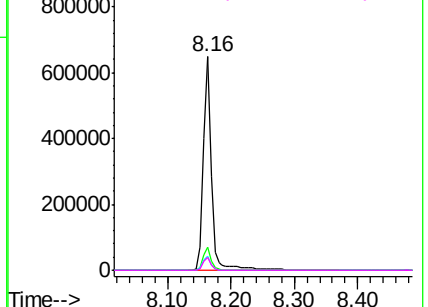


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 15.240 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

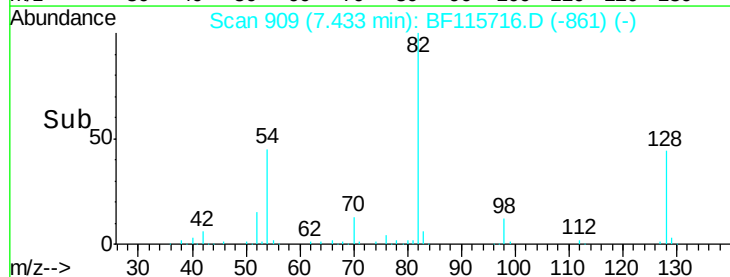
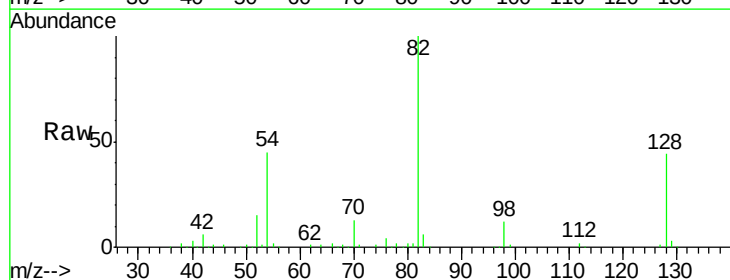
Tgt Ion: 82 Resp: 149800

Ion Ratio Lower Upper

82 100

128 44.1 38.6 57.8

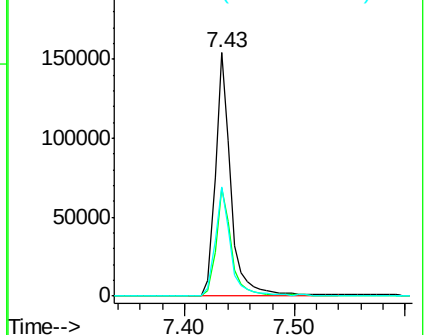
54 45.0 35.6 53.4

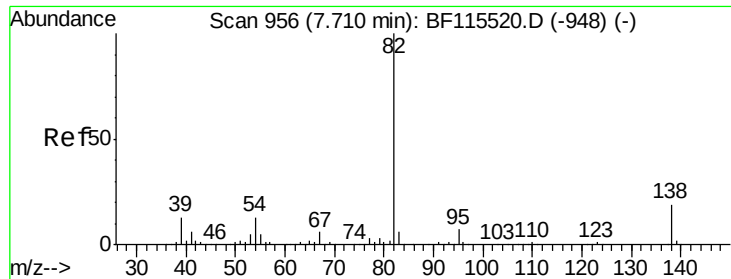


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

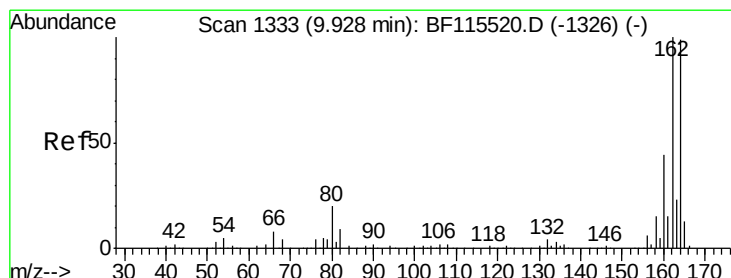
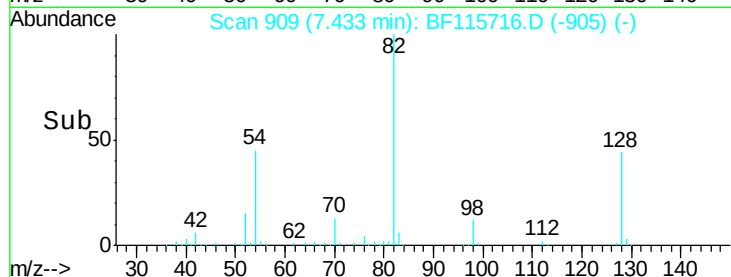
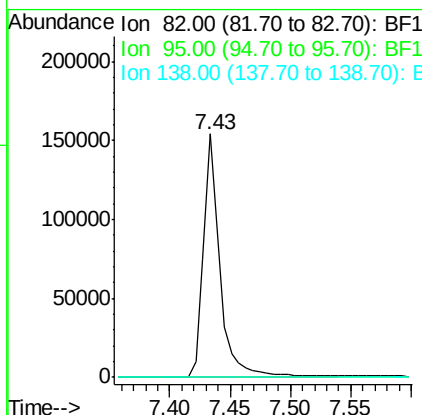
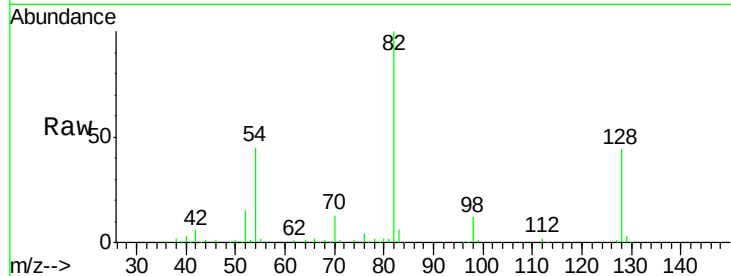




#25
Isophorone
Concen: 7.457 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.28 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

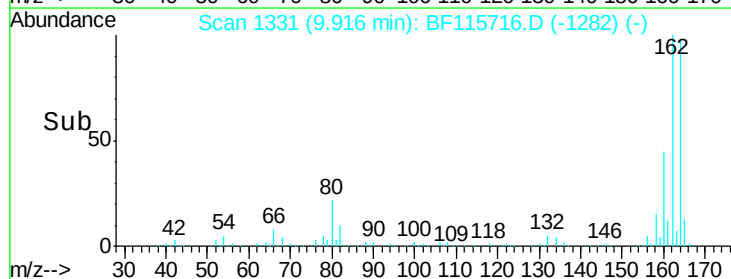
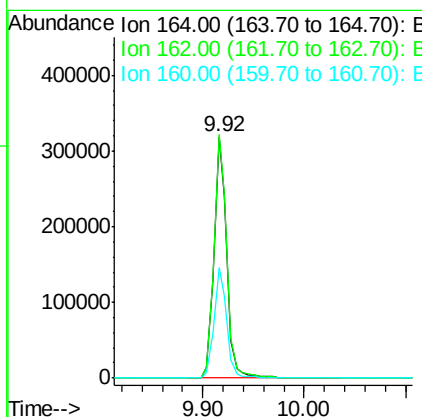
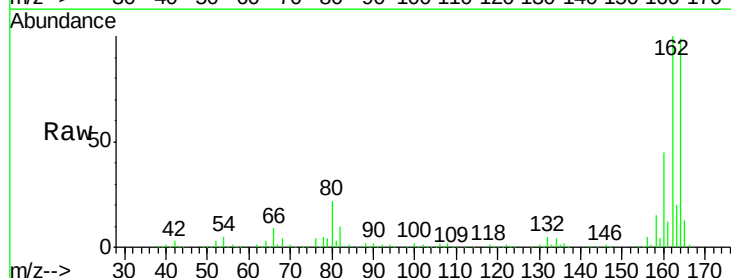
Instrument :
BNA_F
ClientSampleId :

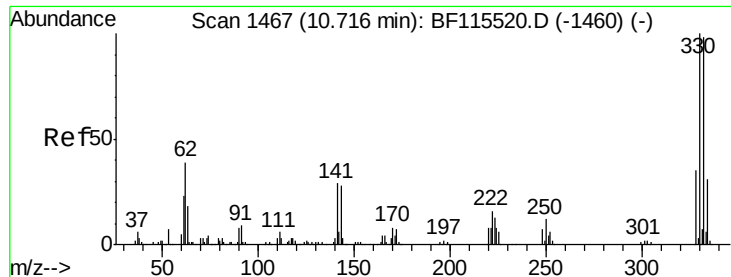
Tot Ion	82	Resp	146675
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.5	8.3#
138	0.0	14.9	22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Tgt Ion	164	Resp	279237
Ion Ratio	Lower	Upper	
164	100		
162	100.9	82.9	124.3
160	45.9	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 17.172 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115716.D

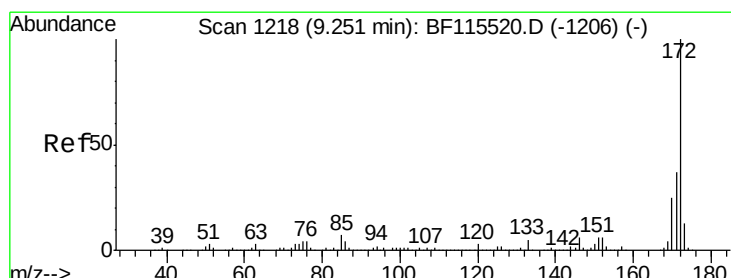
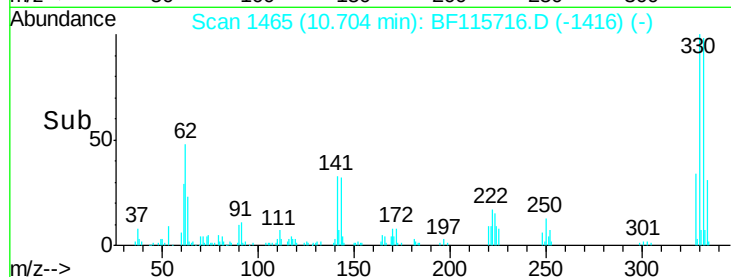
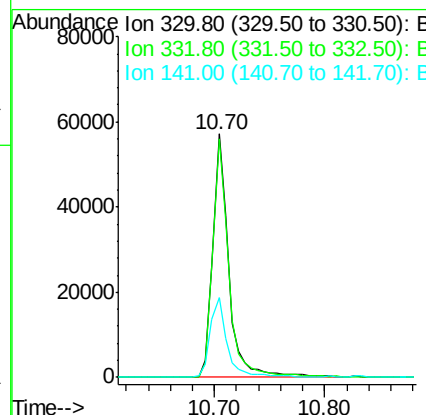
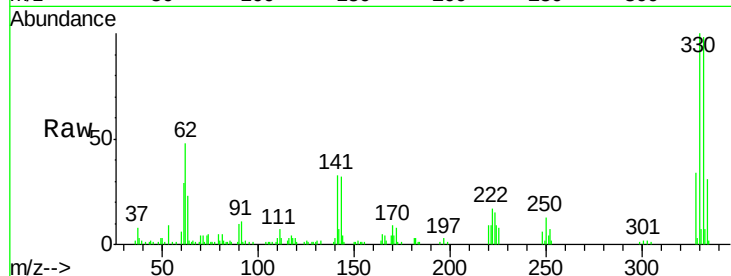
Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	55971
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	34.8	22.4	33.6#



#45

2-Fluorobiphenyl

Concen: 17.915 ng

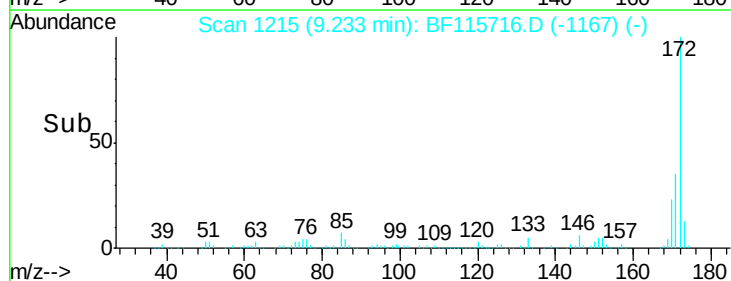
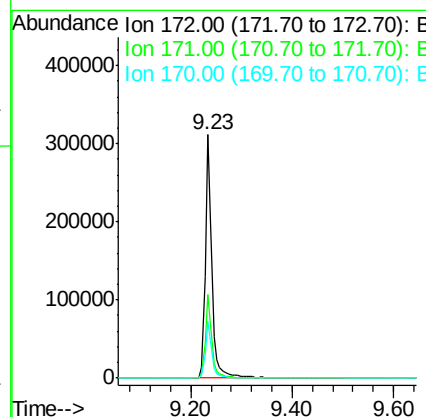
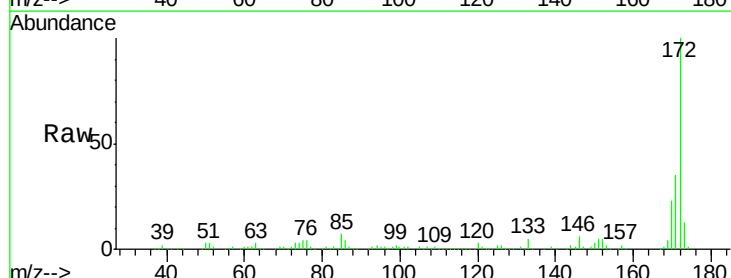
RT: 9.23 min Scan# 1215

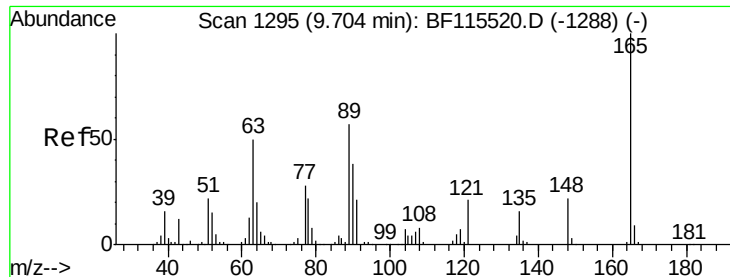
Delta R.T. -0.02 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Tgt Ion:	172	Resp:	285811
Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.6	46.0
170	23.4	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.549 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampleId :

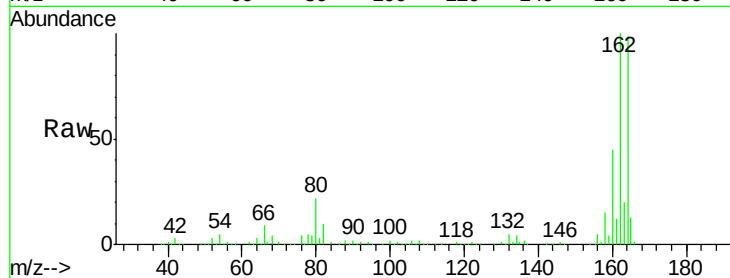
Tot Ion:165 Resp: 36044

Ion Ratio Lower Upper

165 100

63 1.1 40.6 61.0#

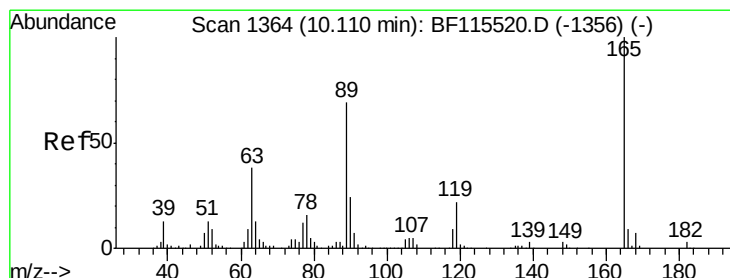
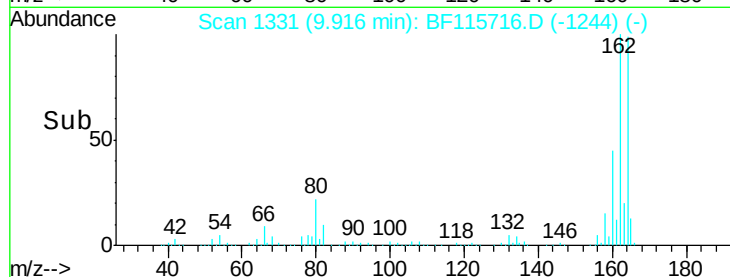
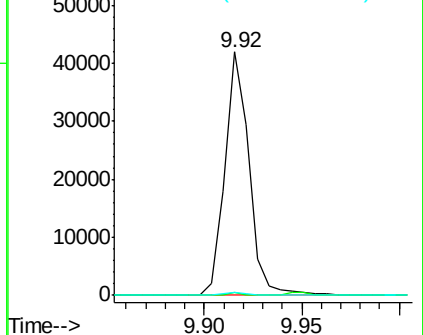
89 1.2 43.9 65.9#



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: 5.827 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Tgt Ion:165 Resp: 36044

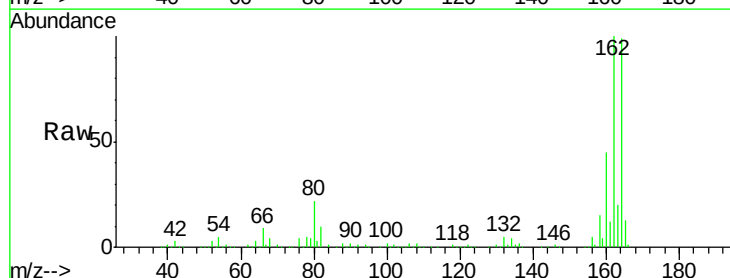
Ion Ratio Lower Upper

165 100

63 1.1 34.9 52.3#

89 1.2 57.5 86.3#

182 0.0 2.2 3.4#

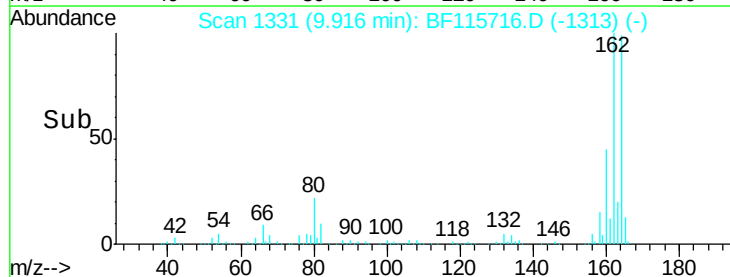
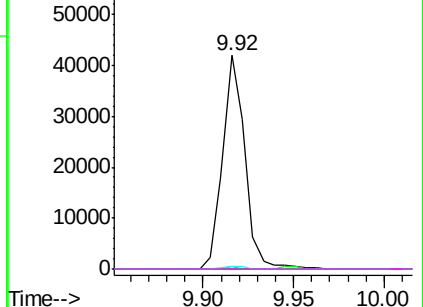


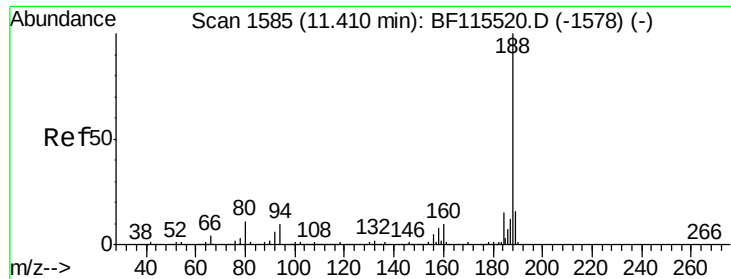
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampleId :

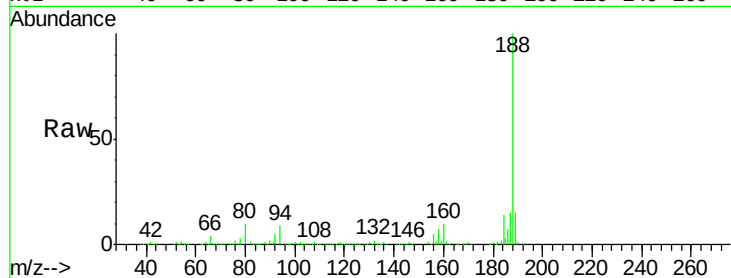
Tot Ion:188 Resp: 431799

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

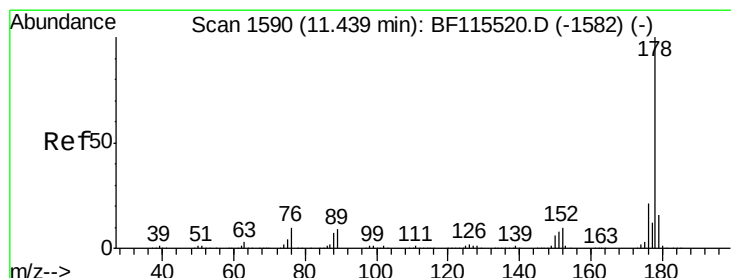
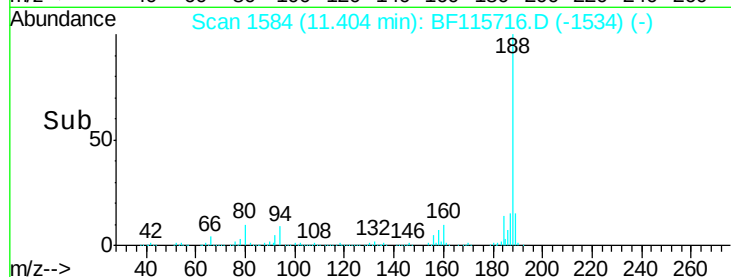
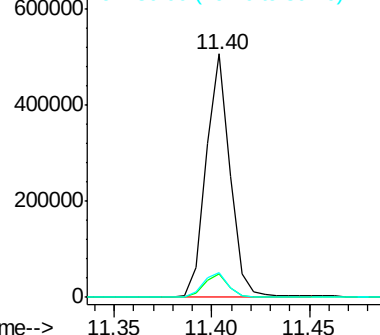
80 10.3 8.6 13.0



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



#71

Phenanthrene

Concen: 3.210 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

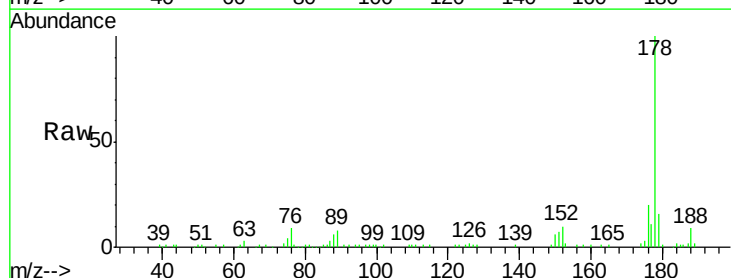
Tgt Ion:178 Resp: 71052

Ion Ratio Lower Upper

178 100

176 20.0 17.2 25.8

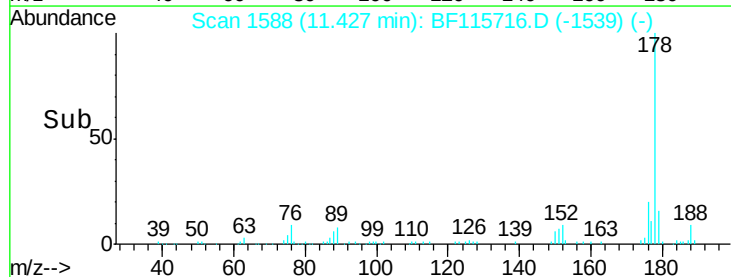
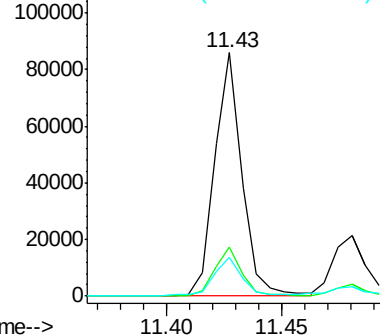
179 15.7 13.5 20.3

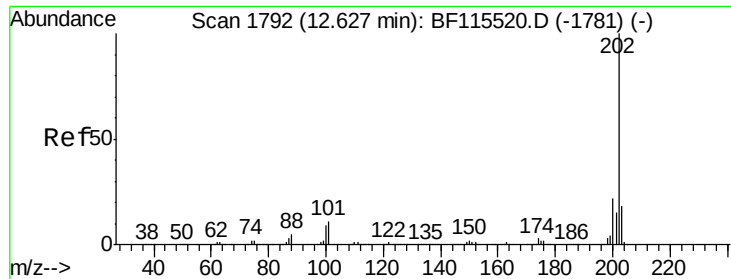


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.751 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Instrument :

BNA_F

ClientSampleId :

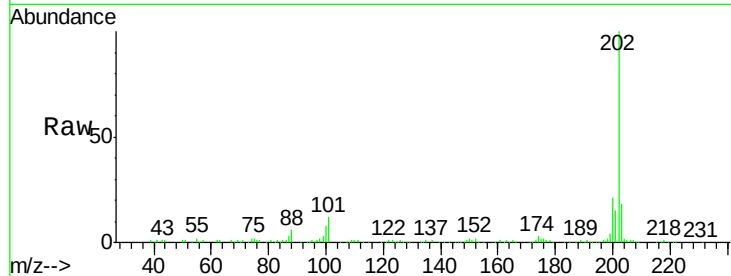
Tot Ion:202 Resp: 111133

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

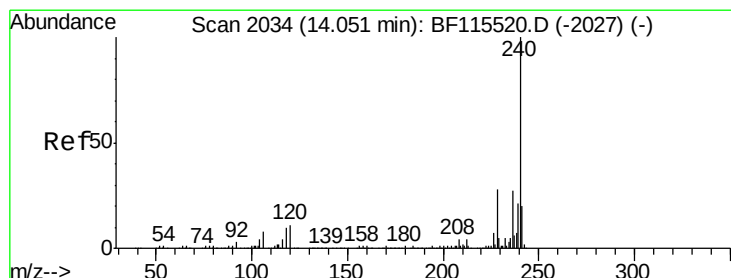
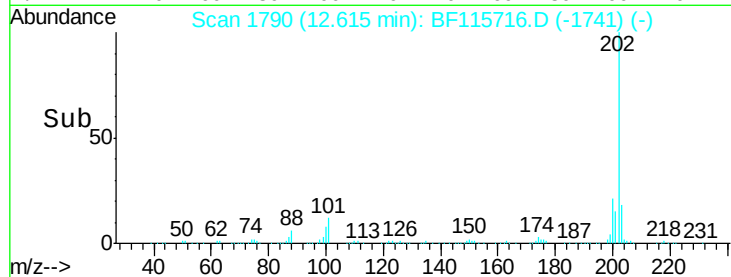
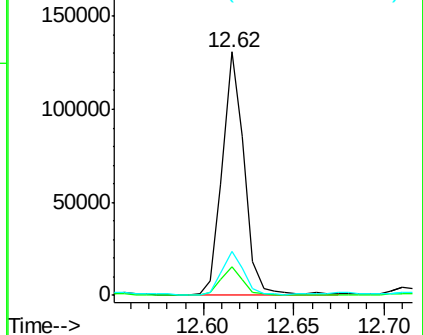
203 18.2 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

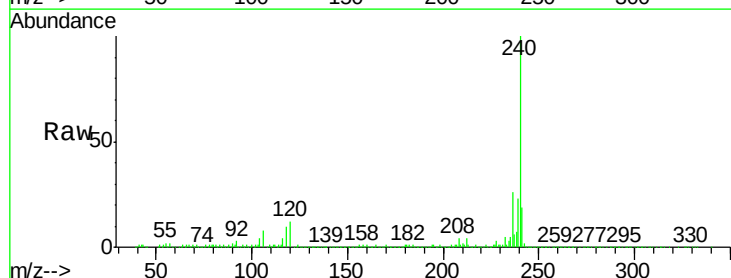
Tgt Ion:240 Resp: 361727

Ion Ratio Lower Upper

240 100

120 11.5 8.6 13.0

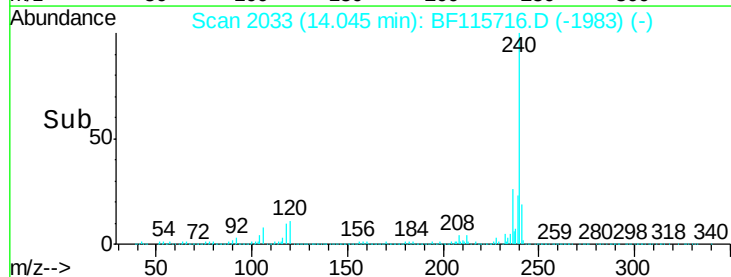
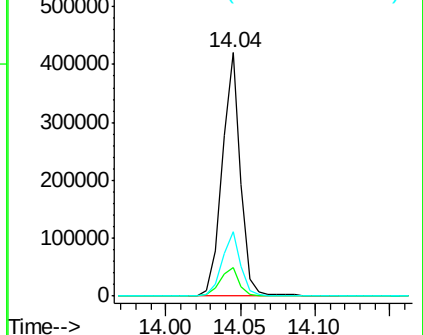
236 26.2 21.3 31.9

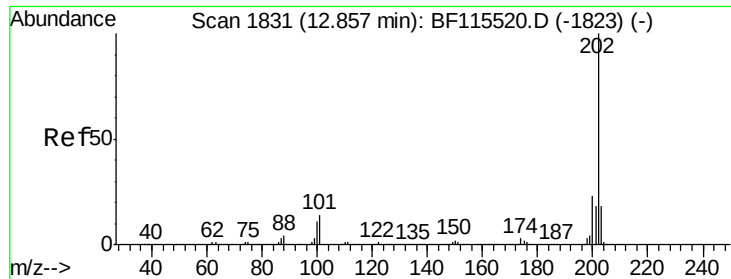


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

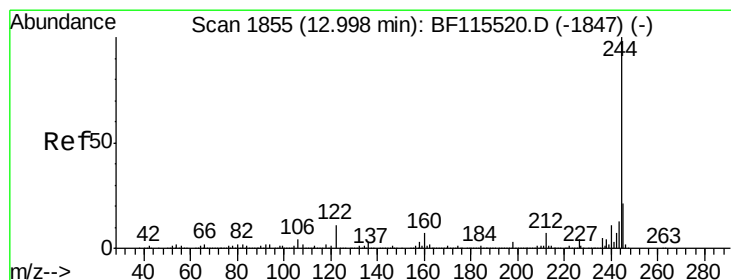
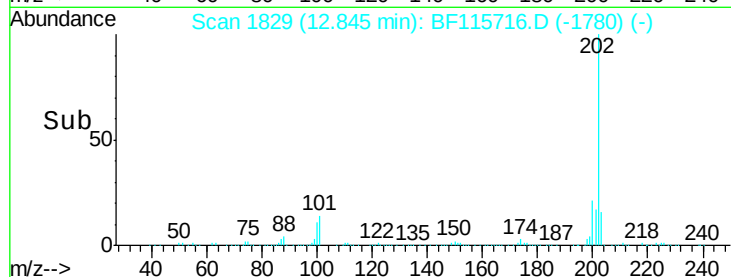
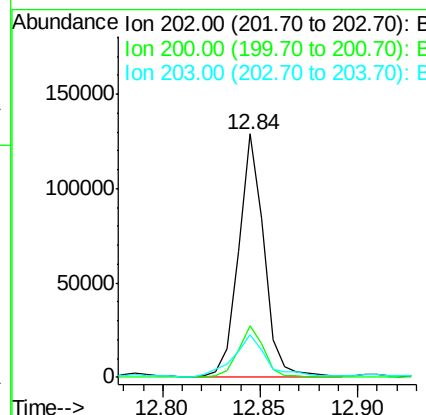
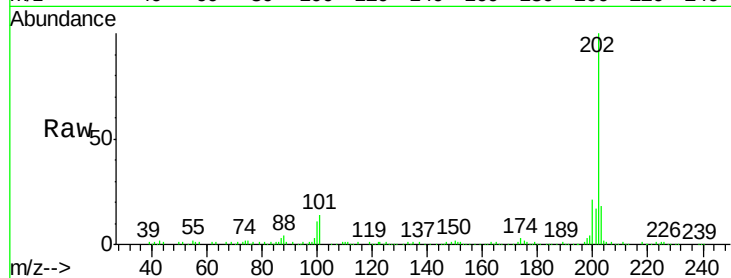




#78
Pvrene
Concen: 3.765 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

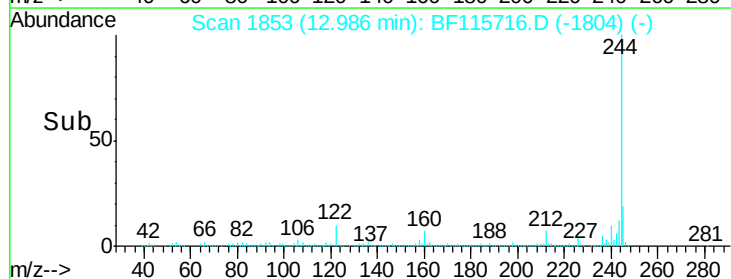
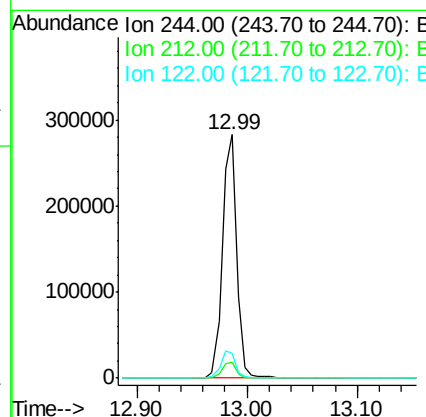
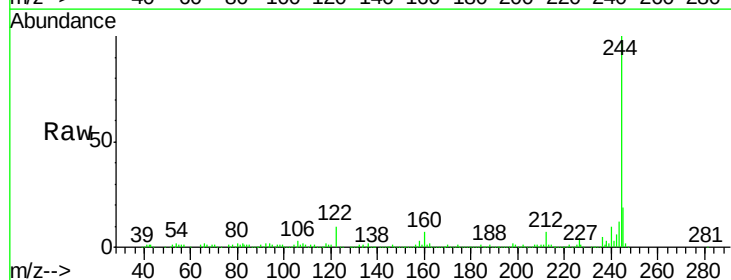
Instrument :
BNA_F
ClientSampleId :

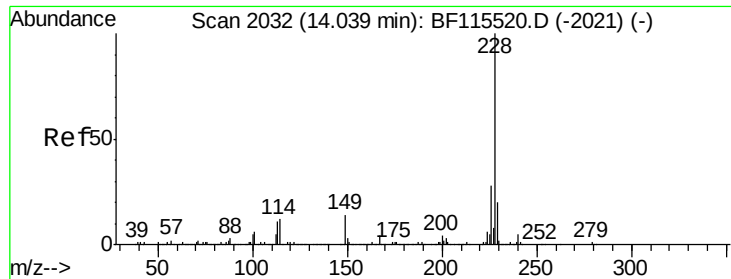
Tot Ion:202 Resp: 115394
Ion Ratio Lower Upper
202 100
200 21.0 18.7 28.1
203 17.5 15.2 22.8



#79
Terphenyl-d14
Concen: 12.944 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Tgt Ion:244 Resp: 253753
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 10.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.117 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

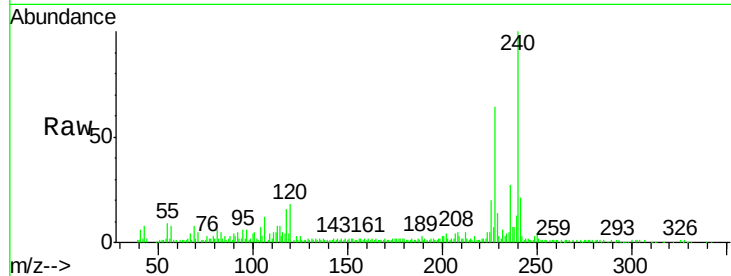
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 50458

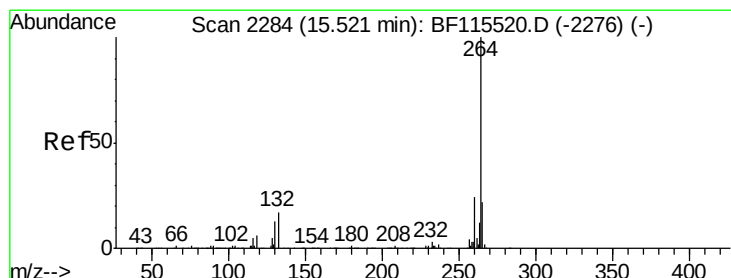
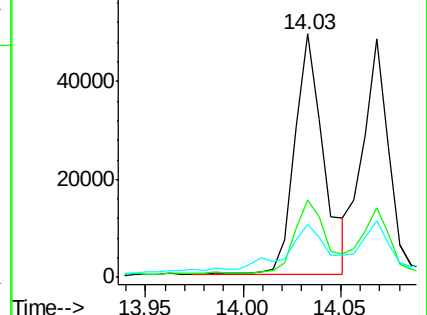
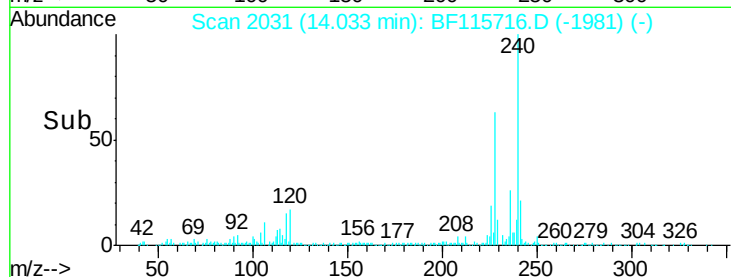
Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.4	35.0
229	21.5	17.2	25.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

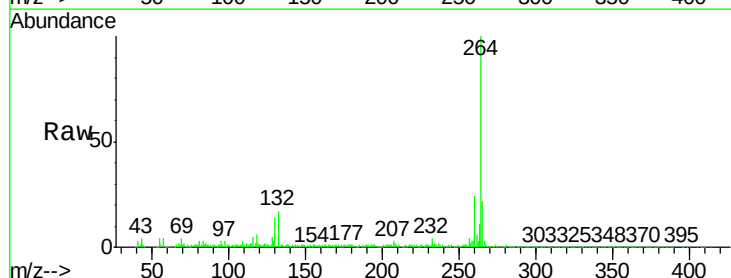
Delta R.T. -0.00 min

Lab File: BF115716.D

Acq: 22 Jul 2019 18:20

Tgt Ion:264 Resp: 336070

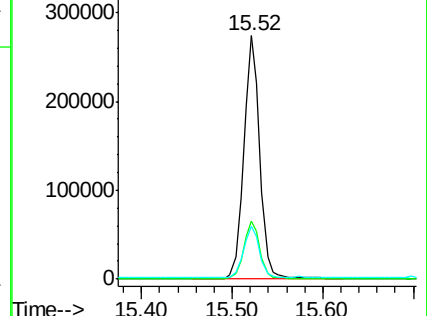
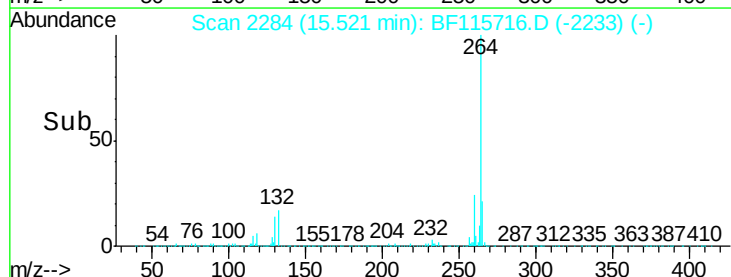
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.8
265	21.8	17.7	26.5

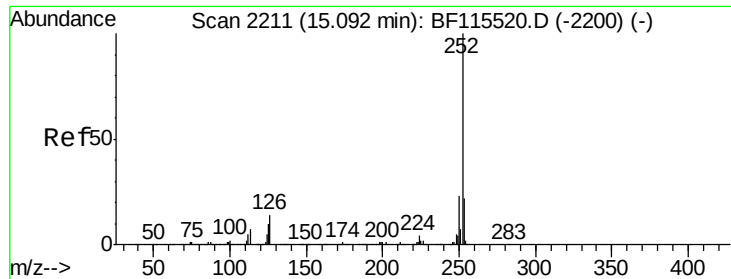


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

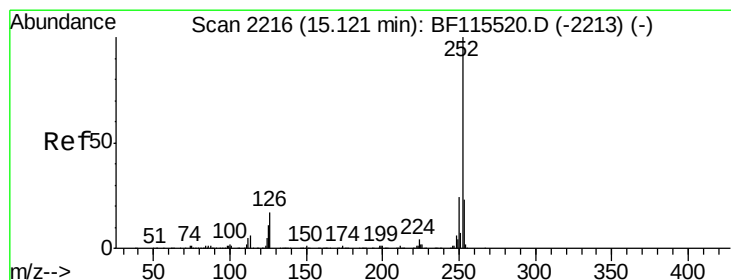
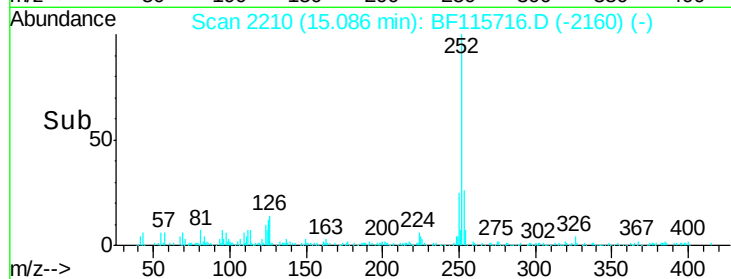
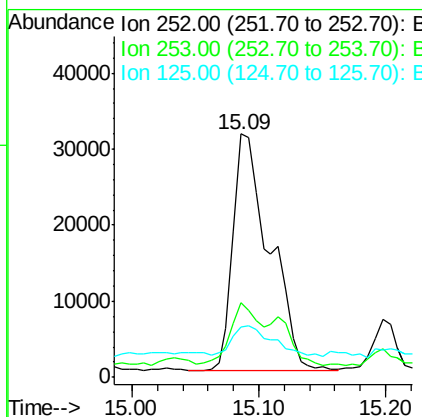
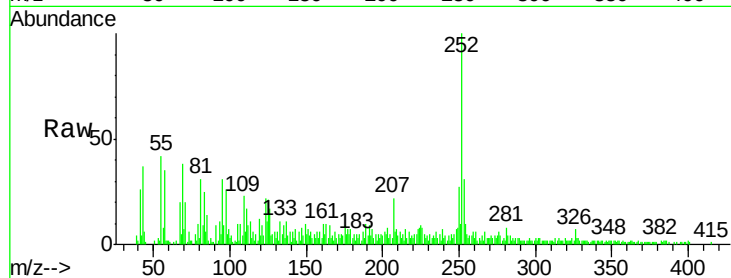




#88
Benzo(b)fluoranthene
Concen: 2.880 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62323
Ion Ratio Lower Upper
252 100
253 30.6 18.1 27.1#
125 20.8 9.0 13.4#



#89
Benzo(k)fluoranthene
Concen: 3.230 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115716.D
Acq: 22 Jul 2019 18:20

Tgt Ion:252 Resp: 62323
Ion Ratio Lower Upper
252 100
253 30.6 18.6 28.0#
125 20.8 9.0 13.6#

