

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100999.D
 Acq On : 30 Nov 2017 2:08
 Operator : SJ/JU
 Sample : I6578-05DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)DL

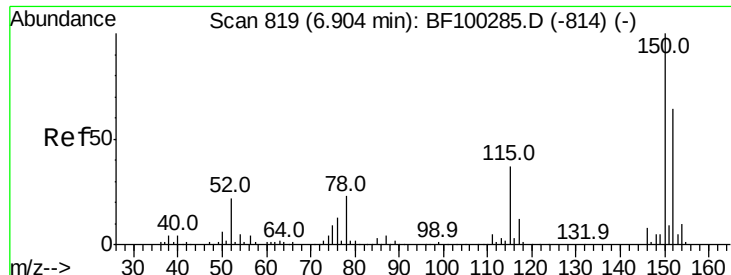
Manual Integrations
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Quant Time: Nov 30 07:36:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51989	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	188736	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	73126	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	129435	20.00	ng	0.00
75) Chrysene-d12	14.03	240	117962	20.00	ng	0.00
86) Perylene-d12	15.50	264	91944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	68033	20.98	ng	-0.01
7) Phenol-d6	6.47	99	81140	20.29	ng	-0.02
23) Nitrobenzene-d5	7.41	82	44098	15.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	15910	21.35	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	99383	20.69	ng	0.00
78) Terphenyl-d14	12.96	244	89031	17.34	ng	0.00
Target Compounds						
70) Phenanthrene	11.40	178	89369	13.114	ng	98
71) Anthracene	11.46	178	18878	2.730	ng	97
74) Fluoranthene	12.60	202	216804	30.018	ng	93
77) Pyrene	12.83	202	219653	26.122	ng	98
80) Benzo(a)anthracene	14.02	228	109126	15.362	ng	98
82) Chrysene	14.05	228	105114	15.281	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	40600	7.297	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	107260m	19.691	ng	
88) Benzo(k)fluoranthene	15.09	252	27349m	5.314	ng	
89) Benzo(a)pyrene	15.43	252	73500	15.220	ng	95
90) Dibenzo(a,h)anthracene	16.99	278	9274m	2.348	ng	
91) Benzo(a,h,i)perylene	17.43	276	37899	9.803	ng	# 91

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



#1

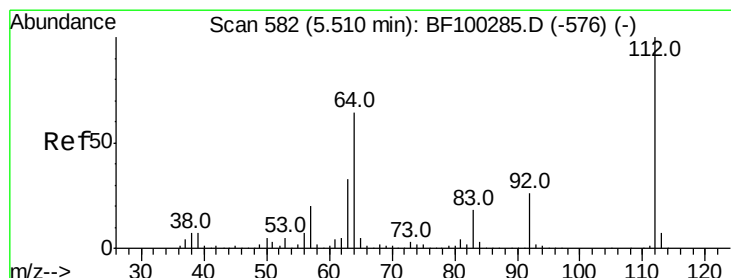
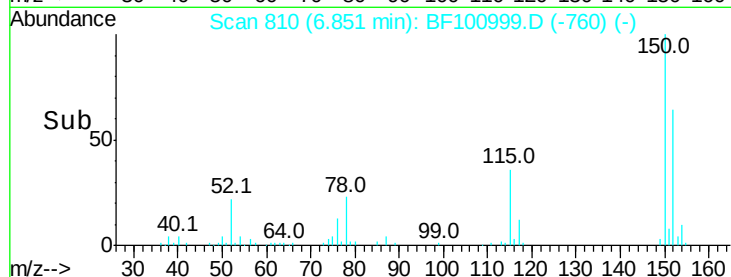
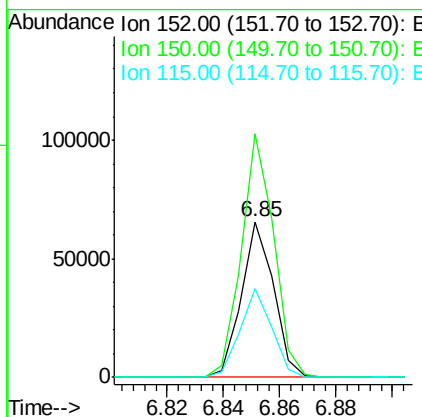
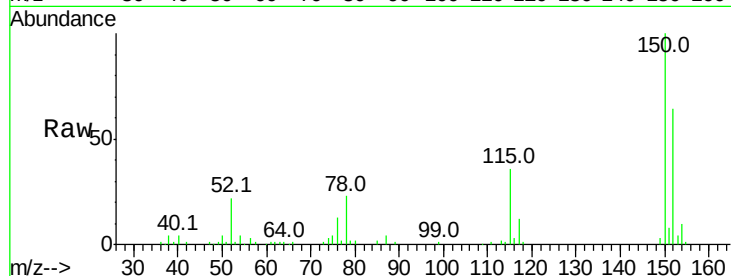
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	56.8	50.1	75.1

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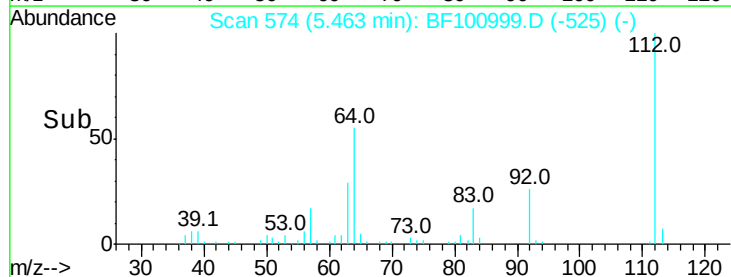
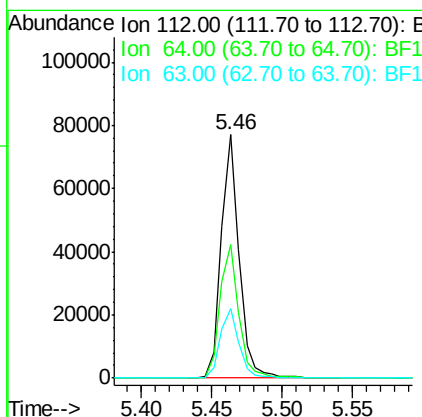
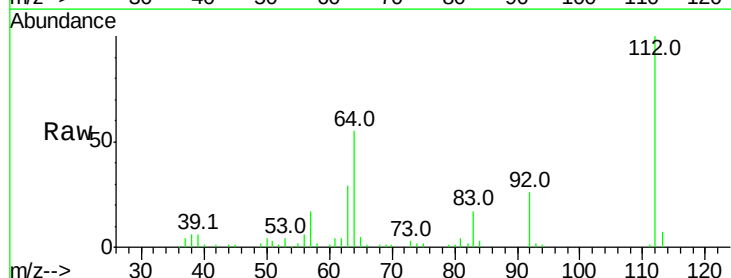
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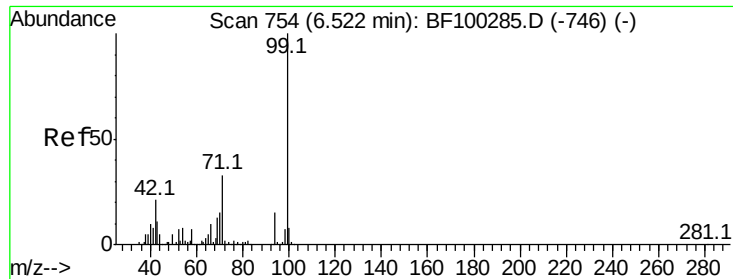


#5

2-Fluorophenol
Concen: 20.977 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 20.288 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

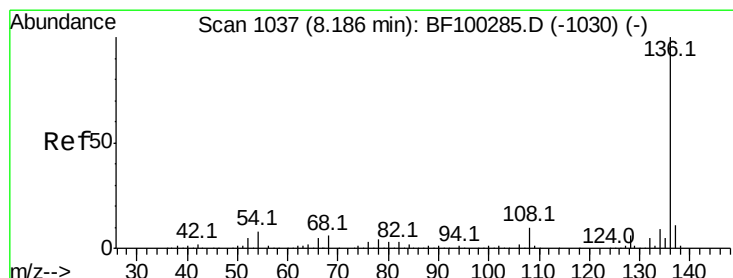
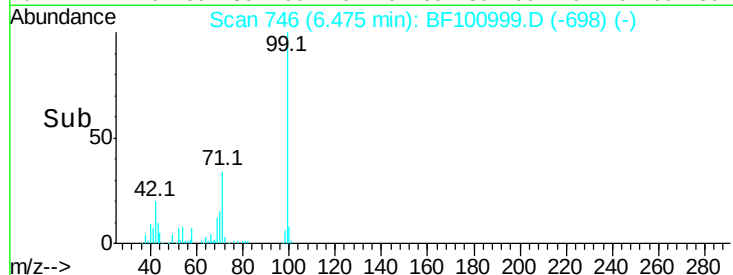
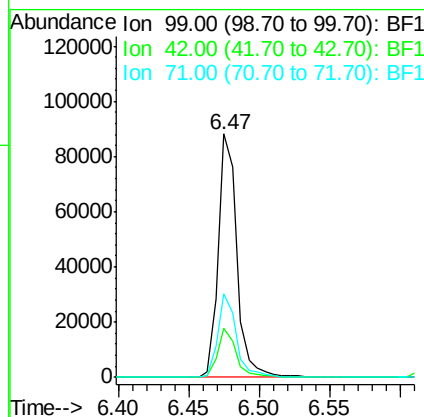
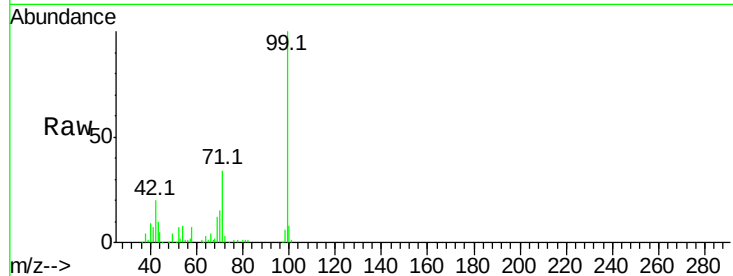
ClientSampleId :

BBR-2-E(4-5)DL

Tot Ion:	99	Resp:	81140
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.5	21.7
71	34.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

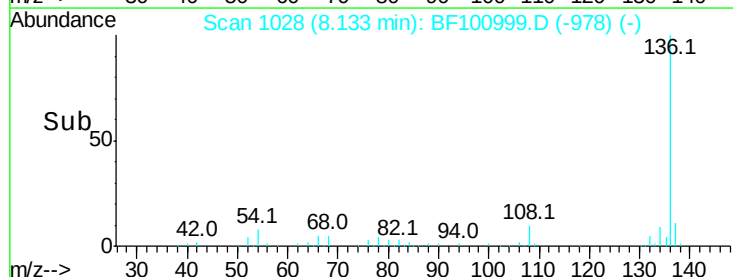
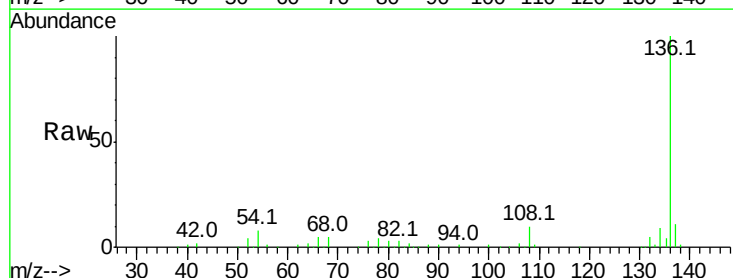
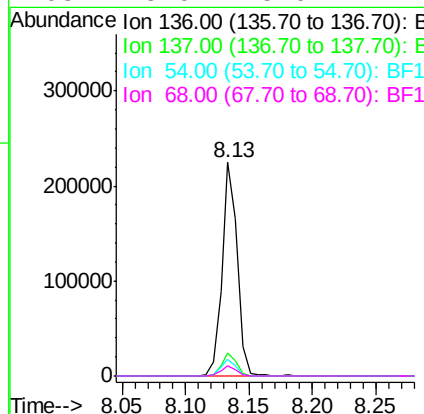
RT: 8.13 min Scan# 1028

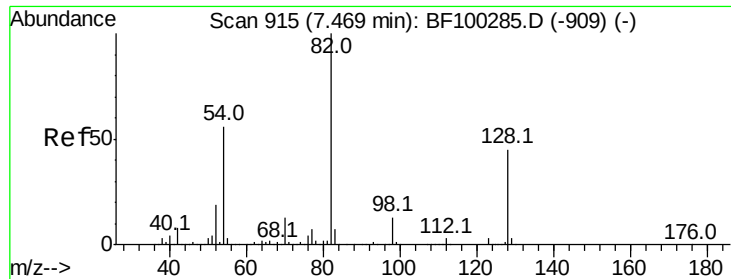
Delta R.T. -0.01 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion:	136	Resp:	188736
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	5.0	5.0	7.4





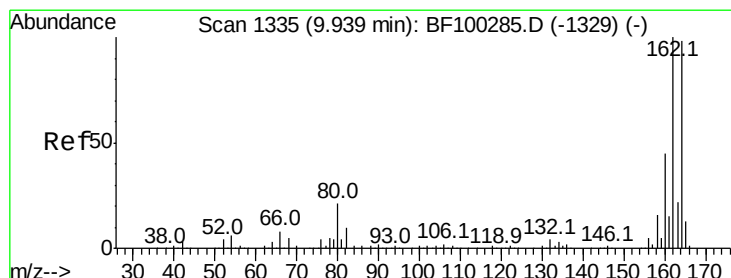
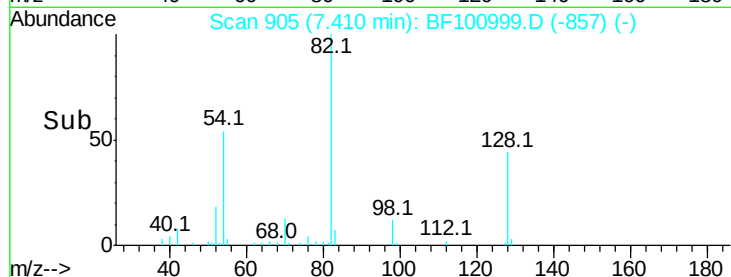
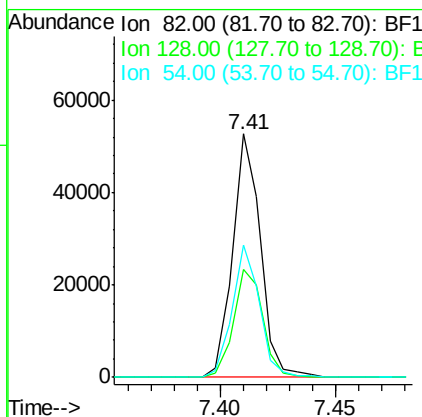
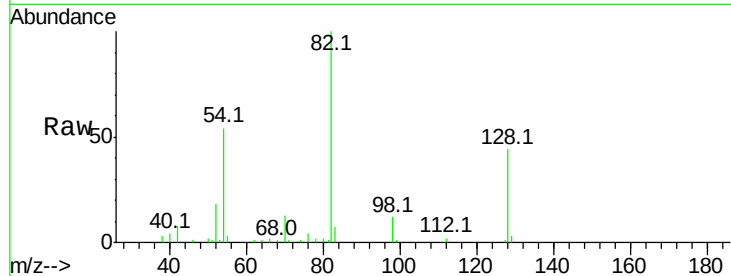
#23
 Nitrobenzene-d5
 Concen: 15.447 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)DL

Tot Ion	82	Resp	44098
Ion Ratio	100	Lower	Upper
128	44.3	36.1	54.1
54	54.2	41.4	62.2

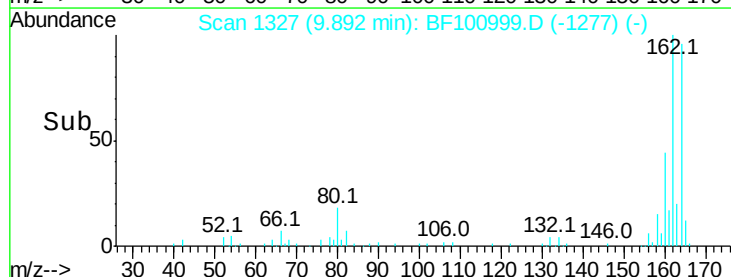
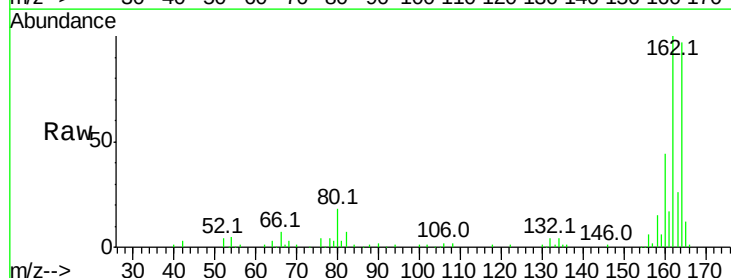
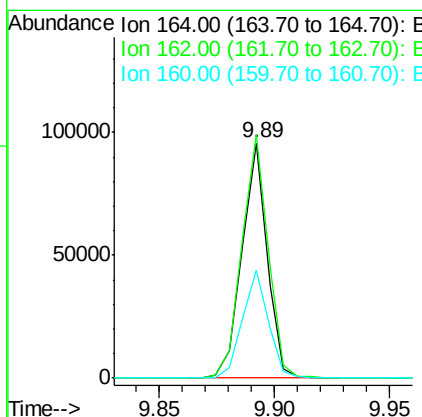
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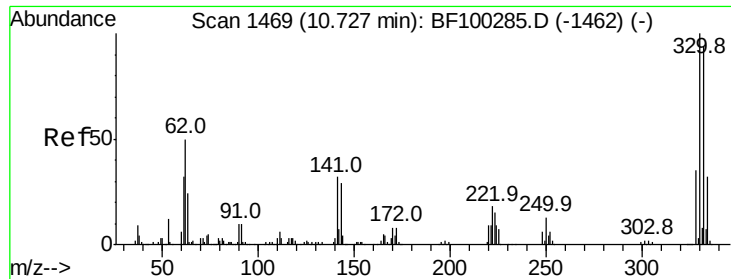
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion	164	Resp	73126
Ion Ratio	100	Lower	Upper
162	103.6	86.1	129.1
160	45.9	38.3	57.5





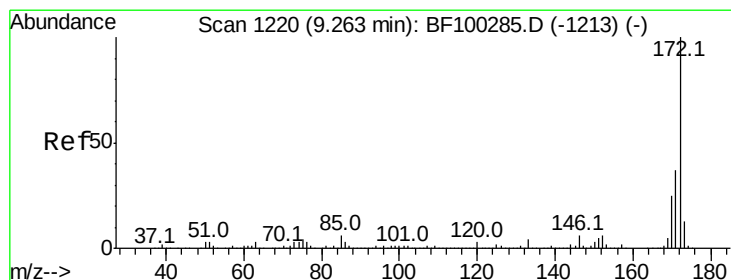
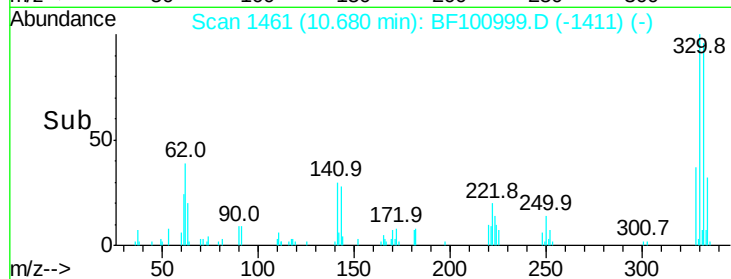
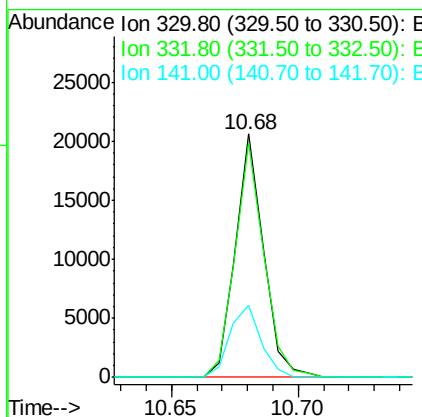
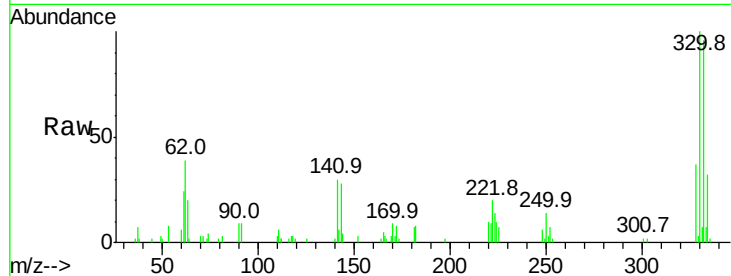
#41
 2,4,6-Tribromophenol
 Concen: 21.351 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.0	77.0	115.6	
141	32.9	29.9	44.9	

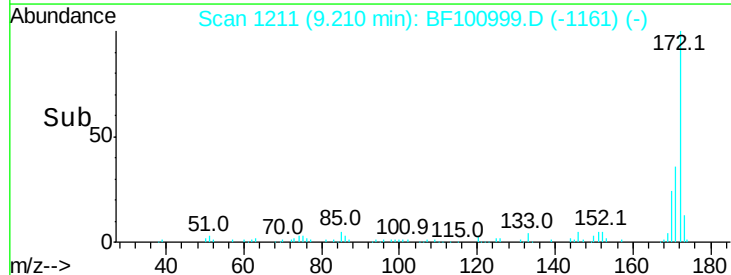
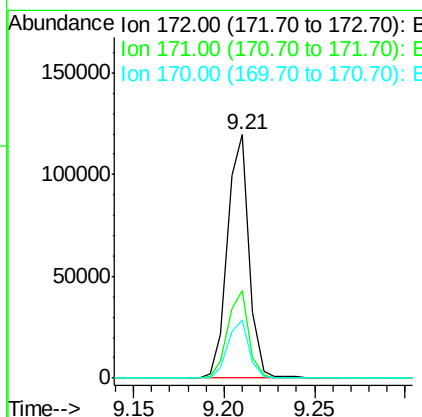
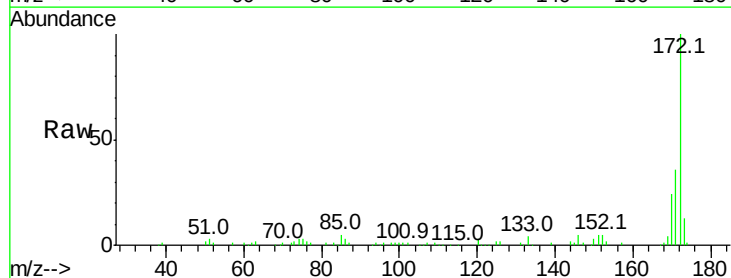
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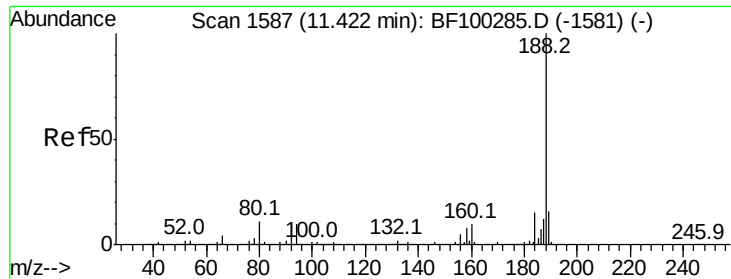
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#44
 2-Fluorobiphenyl
 Concen: 20.695 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	23.6	19.6	29.4	





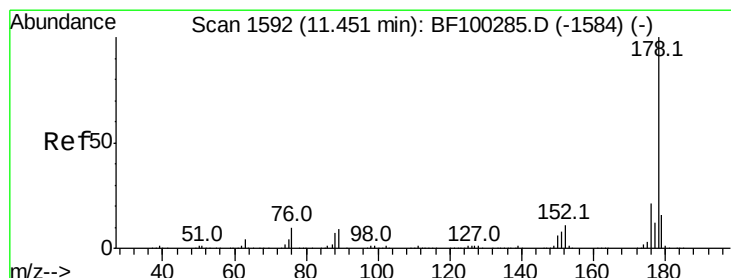
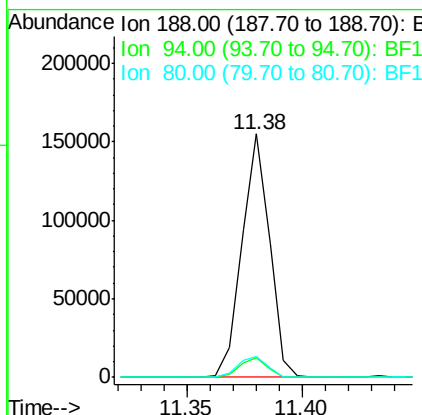
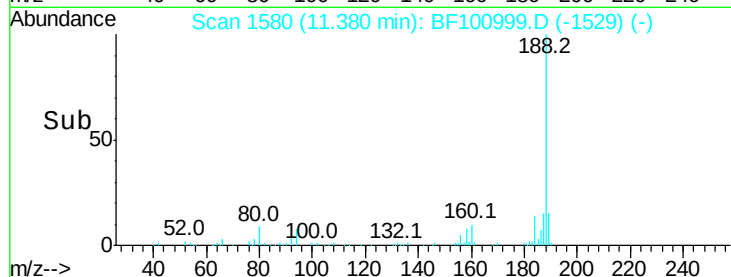
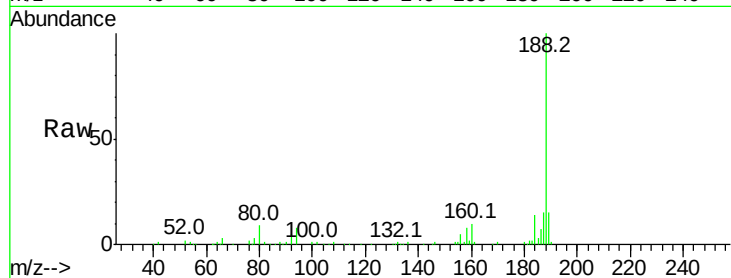
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	8.5	12.7#
80	8.6	9.2	13.8#

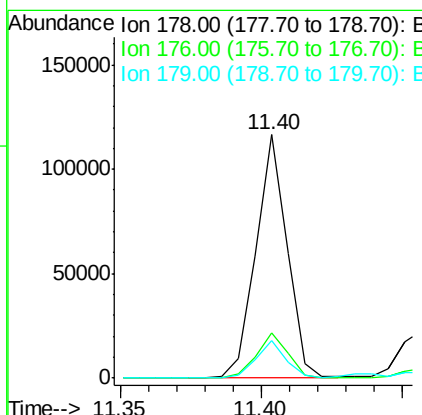
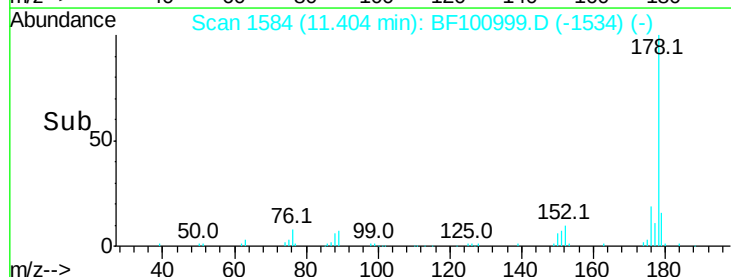
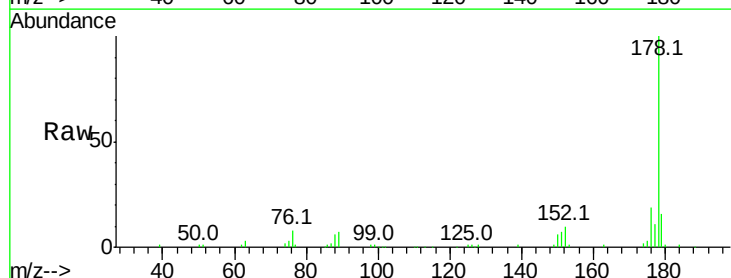
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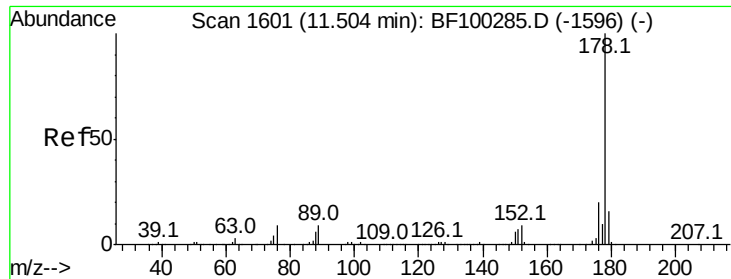
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#70
Phenanthrene
Concen: 13.114 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.8	23.8
179	15.5	13.0	19.6





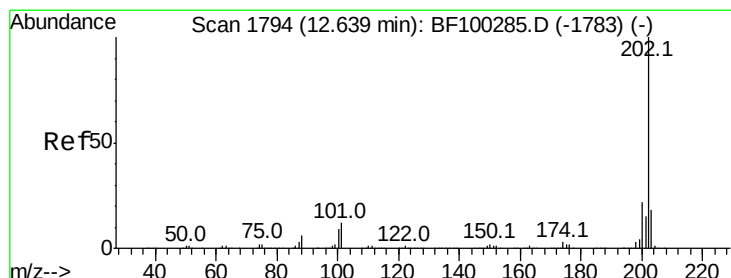
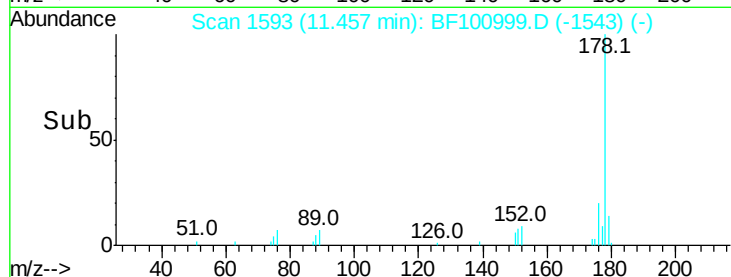
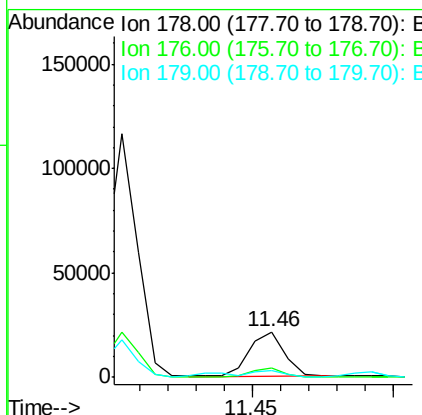
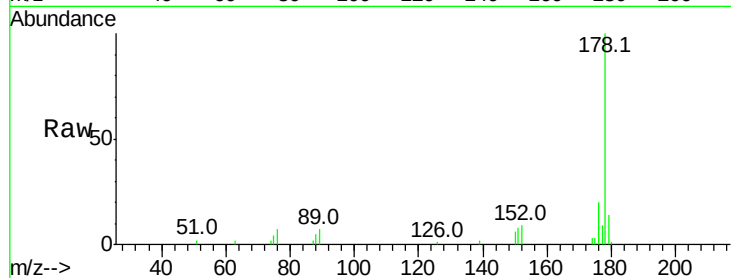
#71
 Anthracene
 Concen: 2.730 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	14.1	12.6	19.0

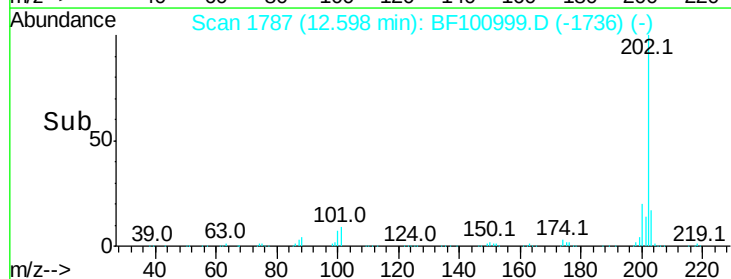
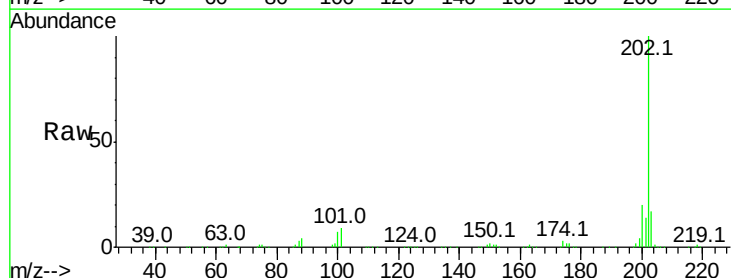
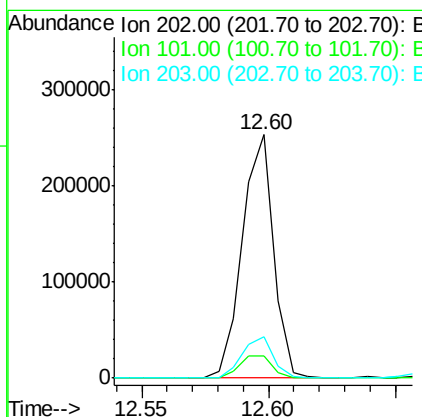
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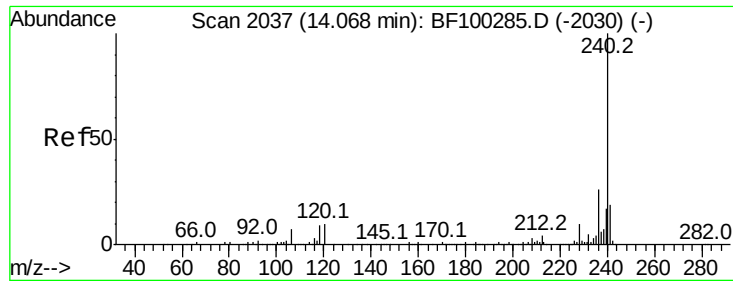
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#74
 Fluoranthene
 Concen: 30.018 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Instrument :

BNA_F

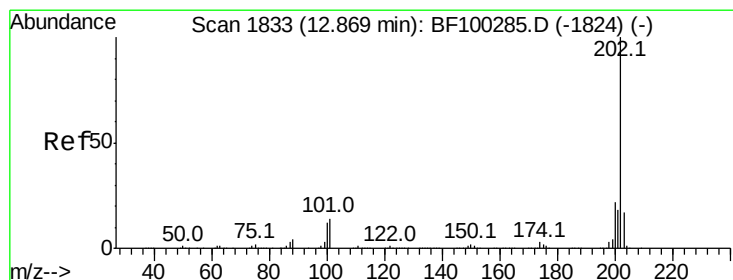
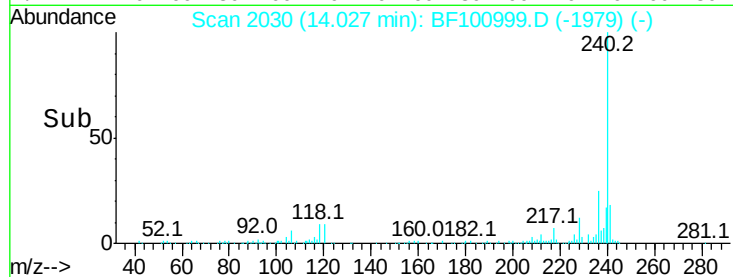
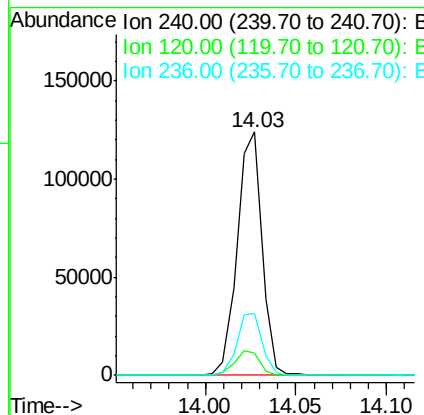
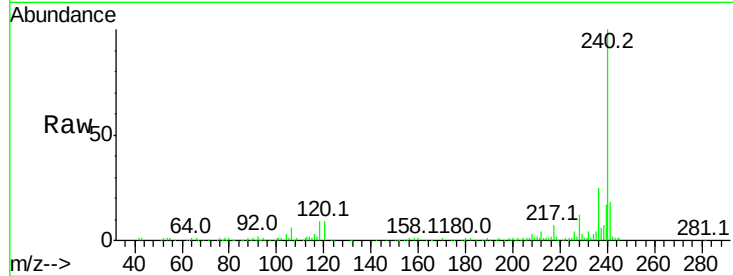
ClientSampleId :

BBR-2-E(4-5)DL

Tot Ion:	240	Resp:	117962
Ion Ratio	Lower	Upper	
240	100		
120	8.9	9.5	14.3#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 26.122 ng

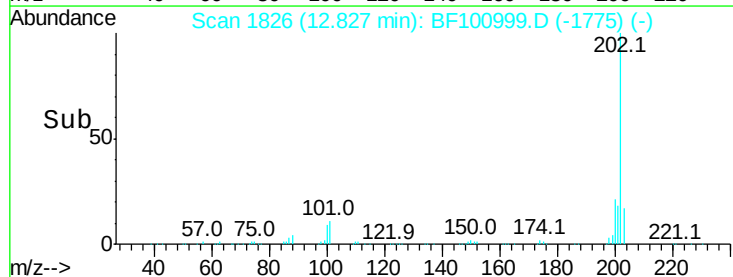
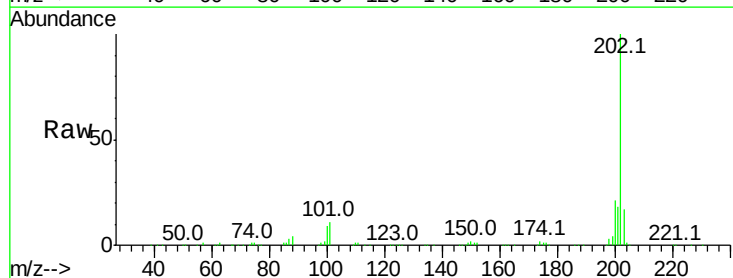
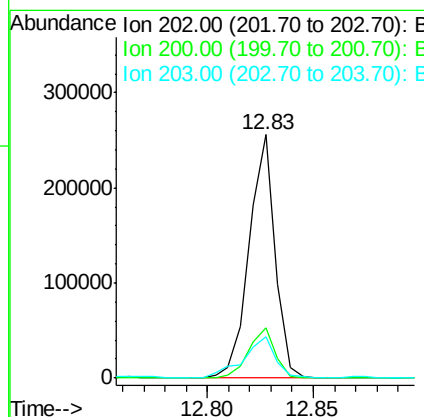
RT: 12.83 min Scan# 1826

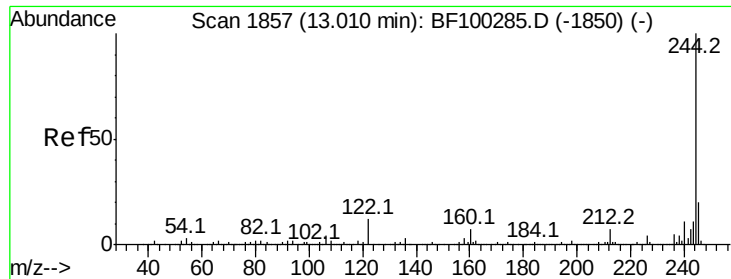
Delta R.T. -0.00 min

Lab File: BF100999.D

Acq: 30 Nov 2017 2:08

Tgt Ion:	202	Resp:	219653
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.0	14.3	21.5





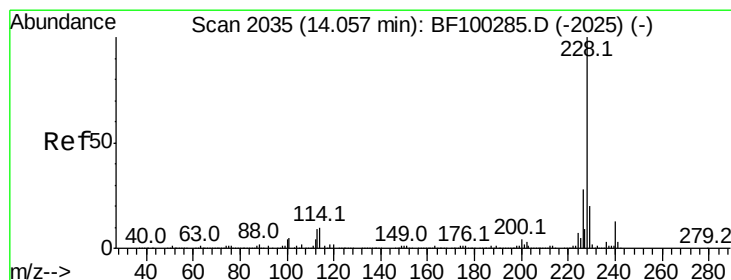
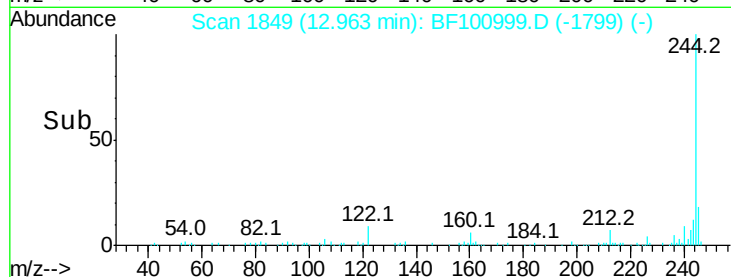
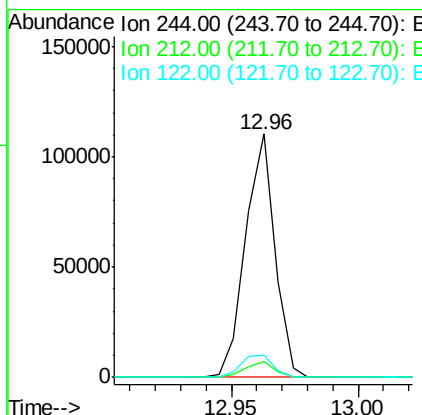
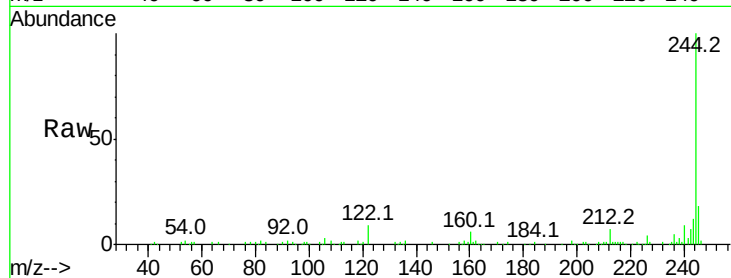
#78
 Terphenyl-d14
 Concen: 17.342 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.2	11.0	16.4

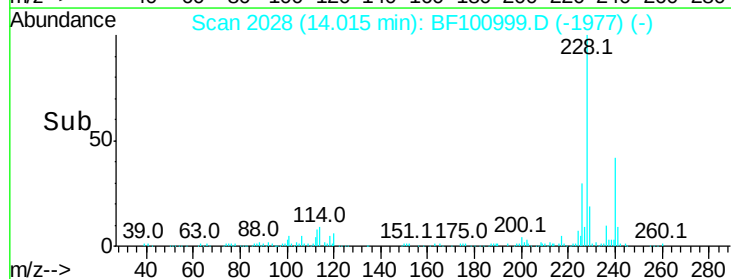
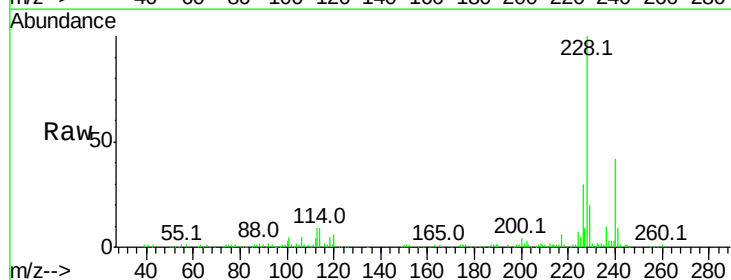
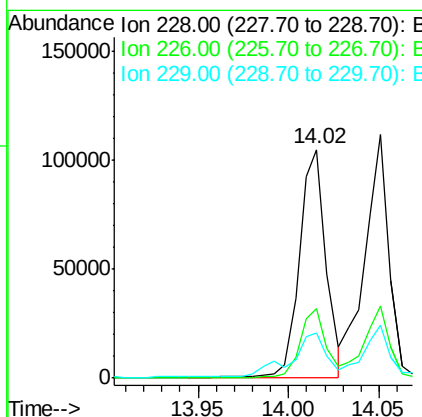
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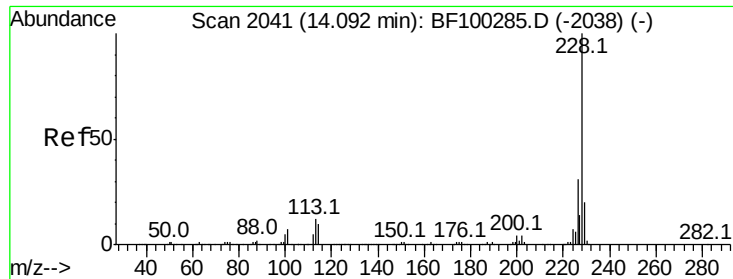
Sohil
 11/30/2017 4:32:27 PM



#80
 Benzo(a)anthracene
 Concen: 15.362 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF100999.D
 Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.7	15.8	23.6





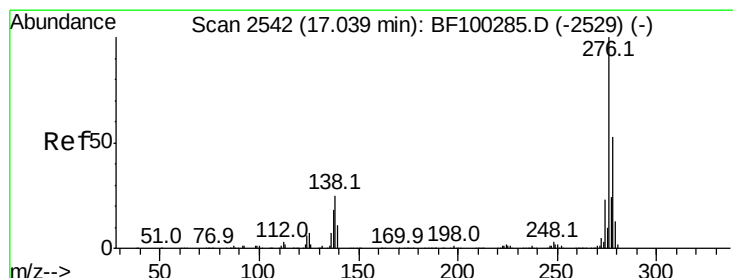
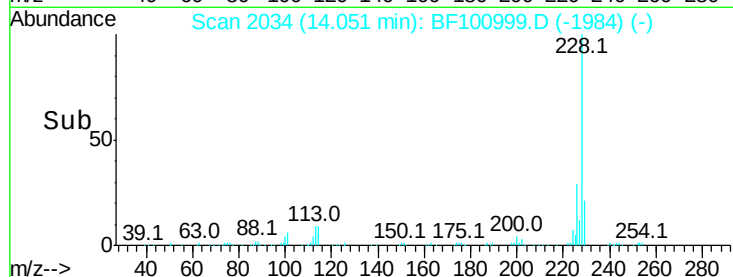
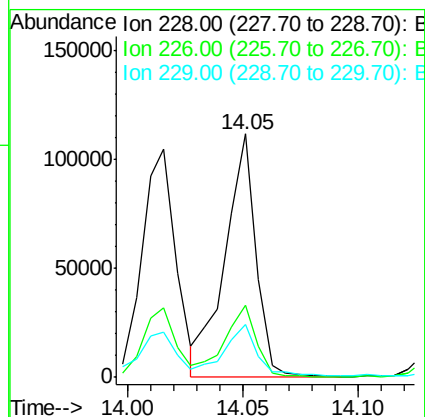
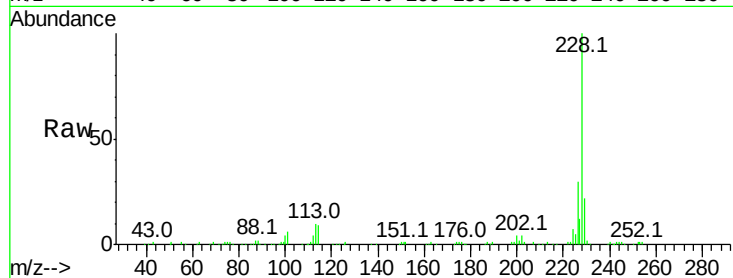
#82
Chrysene
Concen: 15.281 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.6	16.2	24.4

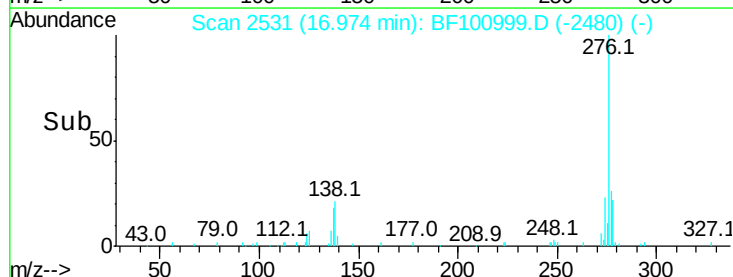
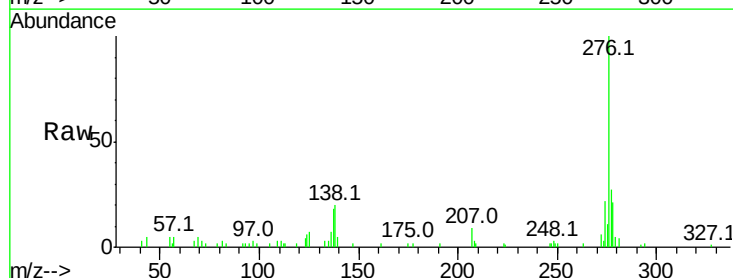
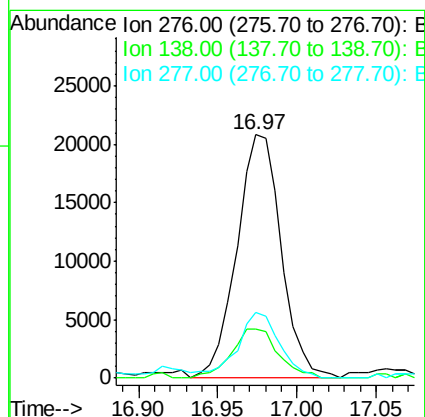
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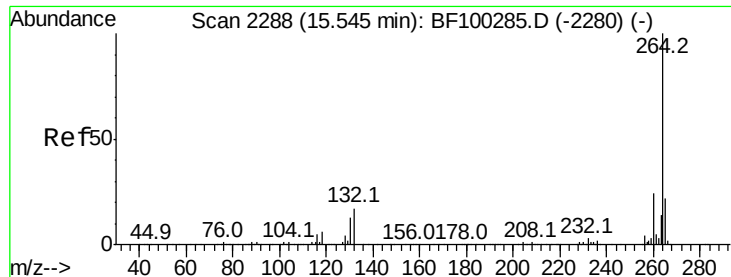
Sohil
11/30/2017 4:32:27 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.297 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	25.9	20.1	30.1





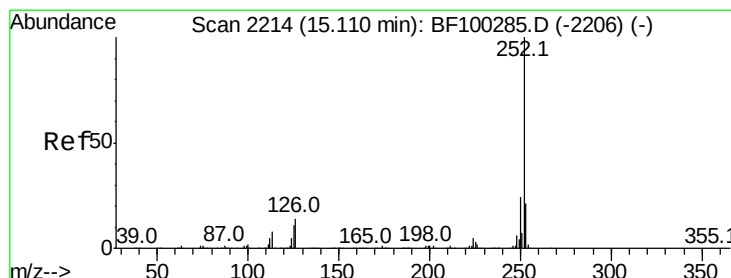
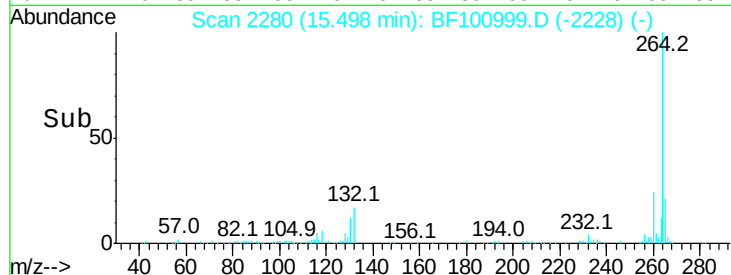
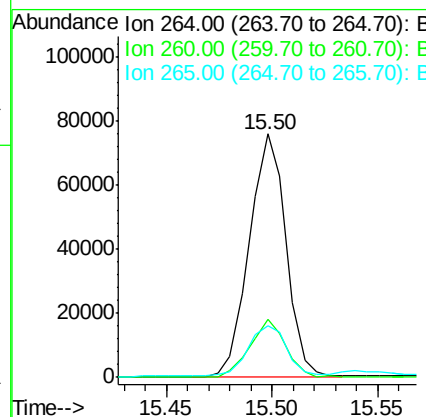
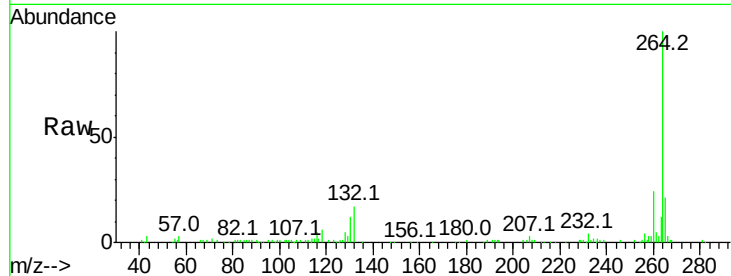
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.1	17.5	26.3

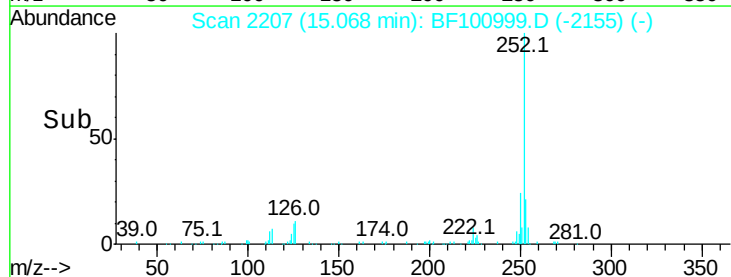
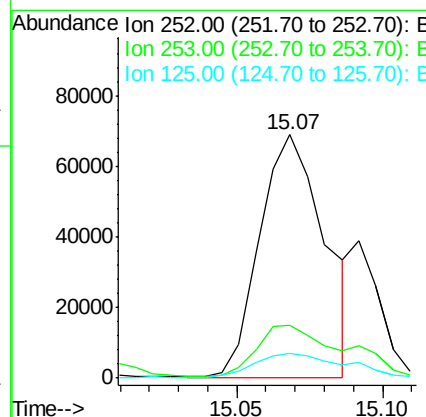
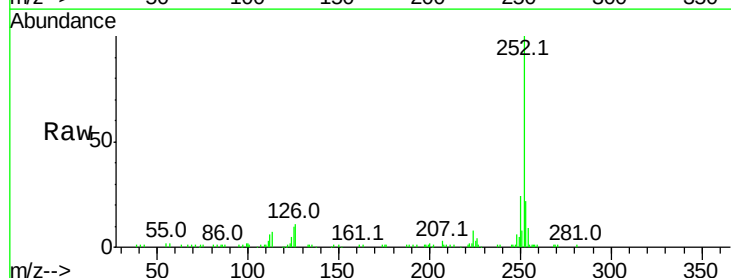
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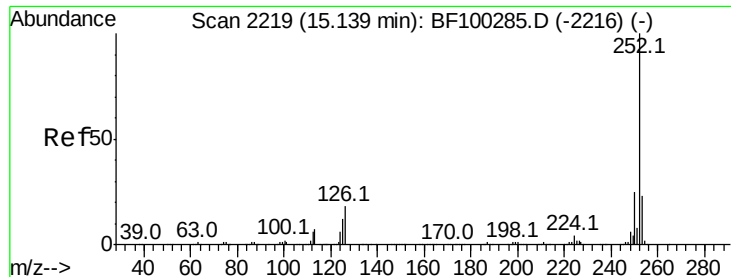
Sohil
11/30/2017 4:32:27 PM



#87
Benzo(b)fluoranthene
Concen: 19.691 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	10.3	9.0	13.6





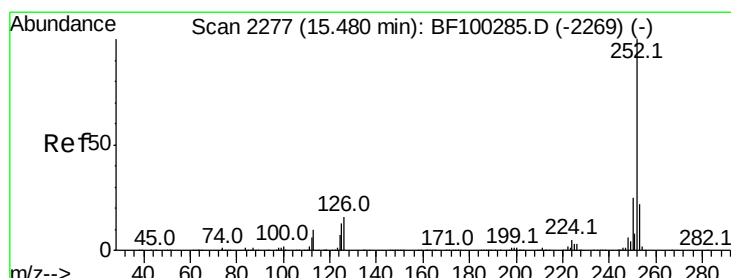
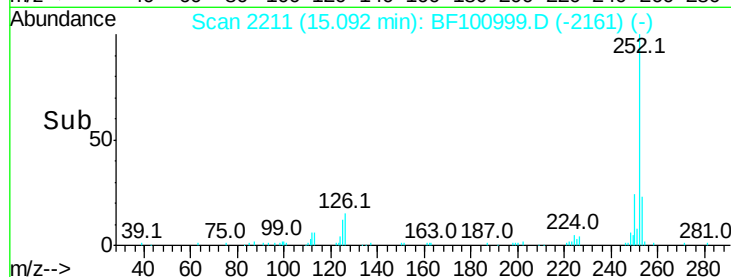
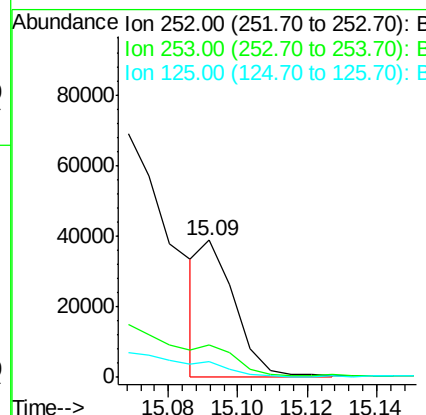
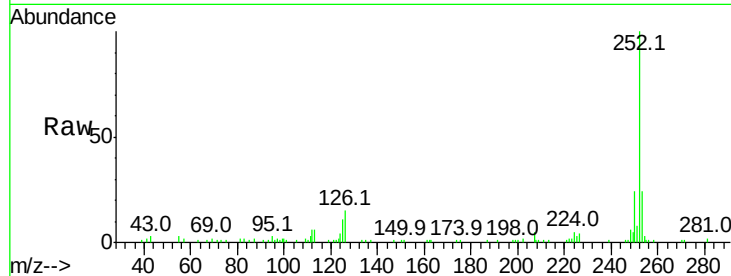
#88
Benzo(k)fluoranthene
Concen: 5.314 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	11.5	10.2	15.2

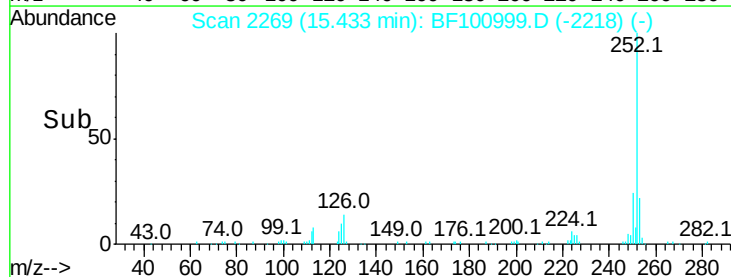
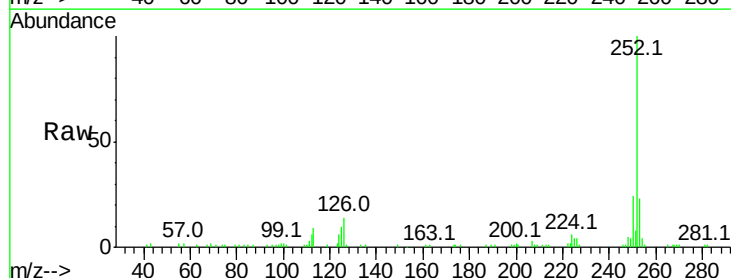
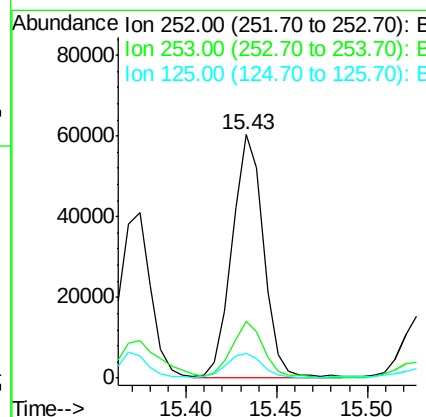
Manual Integrations
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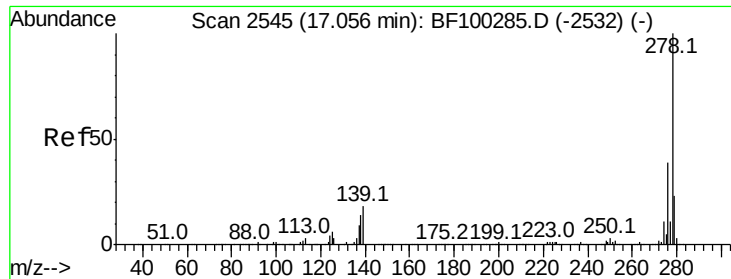
Sohil
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#89
Benzo(a)pyrene
Concen: 15.220 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.0	9.8	14.6





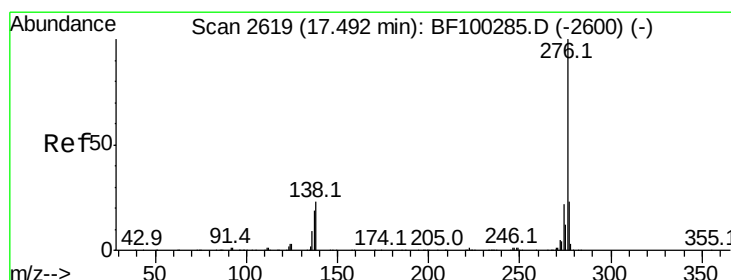
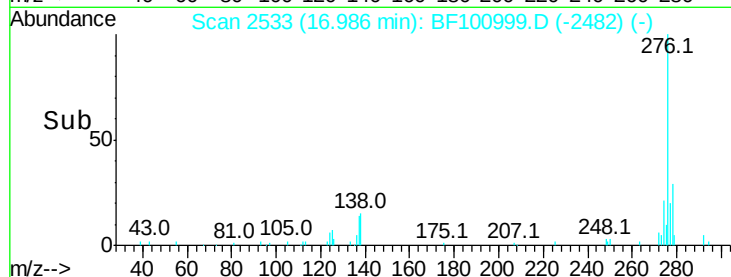
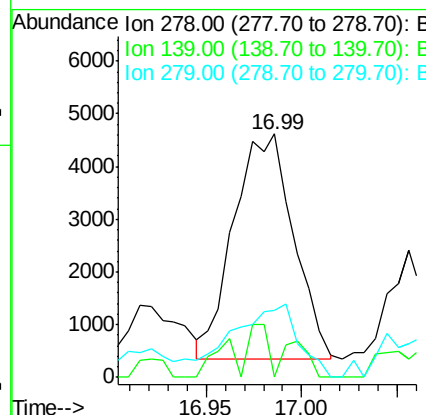
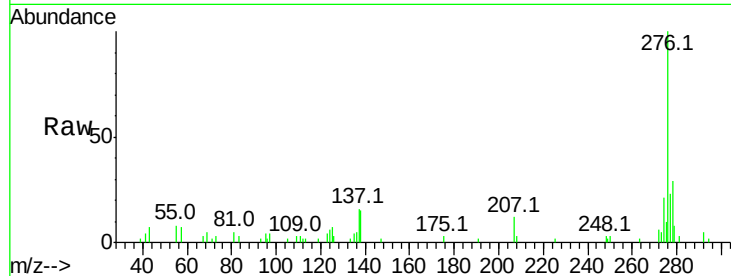
#90
Dibenzo(a,h)anthracene
Concen: 2.348 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.7	19.0	28.4

Manual Integrations
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11/30/2017 4:32:27 PM



#91
Benzo(g,h,i)perylene
Concen: 9.803 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF100999.D
Acq: 30 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	21.6	21.8	32.8#

