

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106502.D
 Acq On : 15 Jun 2018 19:53
 Operator : JU/SJ
 Sample : J3486-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-4

Manual Integrations
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Quant Time: Jun 18 05:01:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	115978	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	395965	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	153515	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	280840	20.00	ng	0.00
75) Chrysene-d12	14.15	240	324134	20.00	ng	0.00
86) Perylene-d12	15.69	264	251714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	339329	49.52	ng	0.00
7) Phenol-d6	6.61	99	404881	46.77	ng	0.00
23) Nitrobenzene-d5	7.52	82	247315	36.74	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	67430	45.65	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	402927	37.16	ng	0.00
78) Terphenyl-d14	13.08	244	428124	32.81	ng	0.00
Target Compounds						
48) Acenaphthylene	9.87	152	32378	2.223	ng	98
49) Dimethylphthalate	9.71	163	42716	3.895	ng	98
51) Acenaphthene	10.04	154	22585	2.401	ng	97
57) Fluorene	10.55	166	27050	2.696	ng	97
70) Phenanthrene	11.52	178	383911	27.913	ng	99
71) Anthracene	11.57	178	122643	8.901	ng	99
72) Carbazole	11.72	167	42974	3.378	ng	96
74) Fluoranthene	12.72	202	815087	55.570	ng	97
77) Pyrene	12.95	202	780445	38.459	ng	99
80) Benzo(a)anthracene	14.14	228	504163	26.137	ng	95
82) Chrysene	14.18	228	459425	26.088	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	166425	11.841	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	533348m	35.052	ng	
88) Benzo(k)fluoranthene	15.26	252	143758m	9.540	ng	
89) Benzo(a)pyrene	15.62	252	334451m	24.437	ng	
90) Dibenzo(a,h)anthracene	17.26	278	43376m	3.802	ng	
91) Benzo(a,h,i)perylene	17.72	276	161403	14.556	ng	93

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

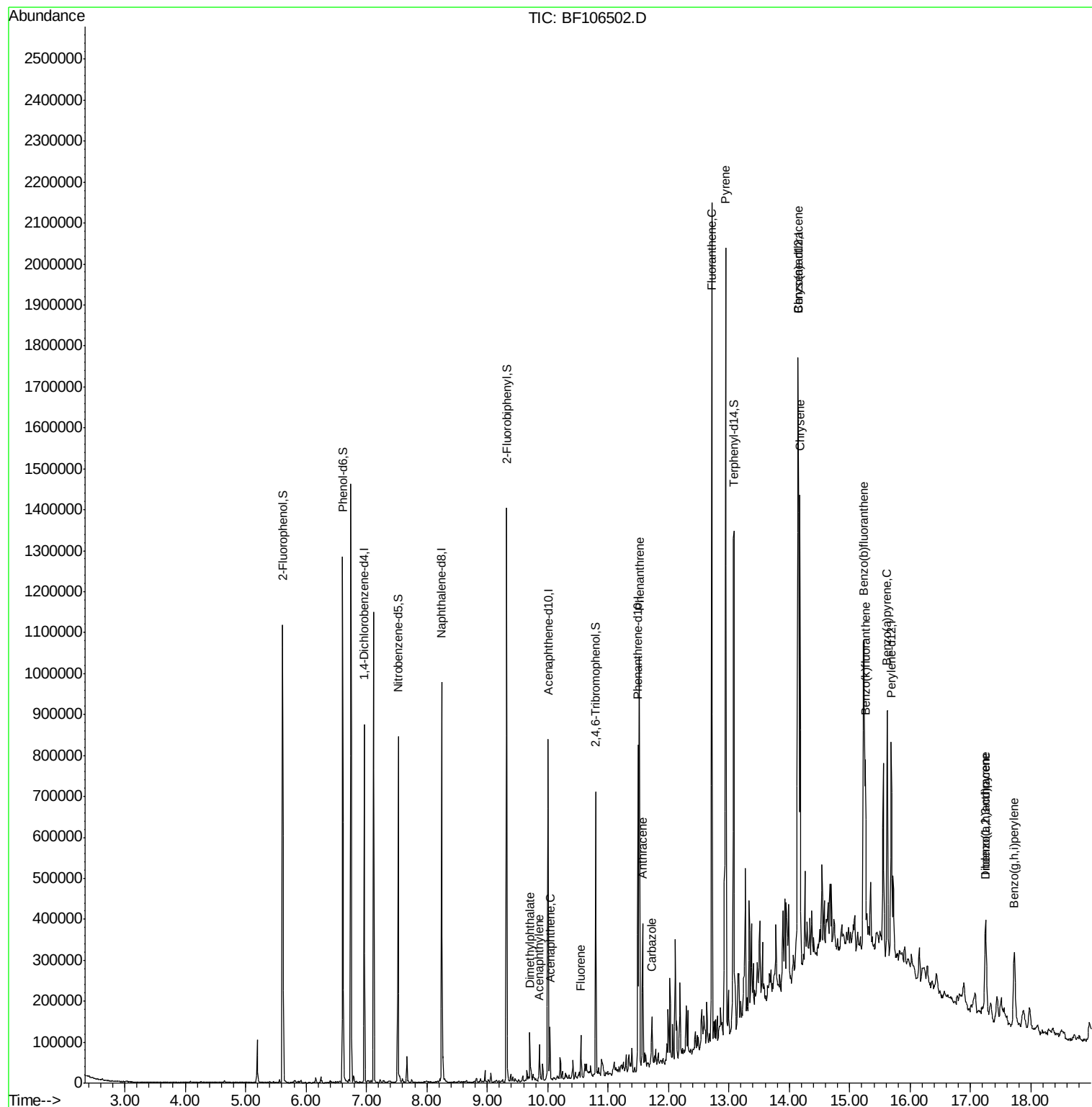
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106502.D
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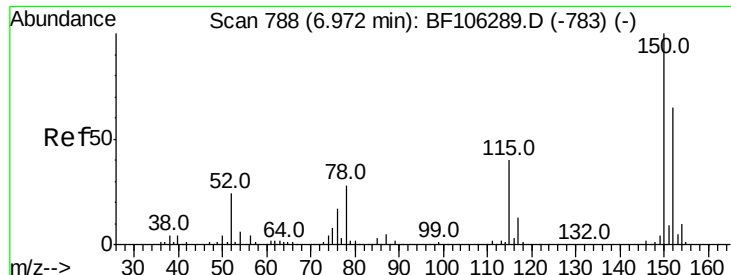
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-4

Quant Time: Jun 18 05:01:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 15 11:11:47 2018
Response via : Initial Calibration

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#1

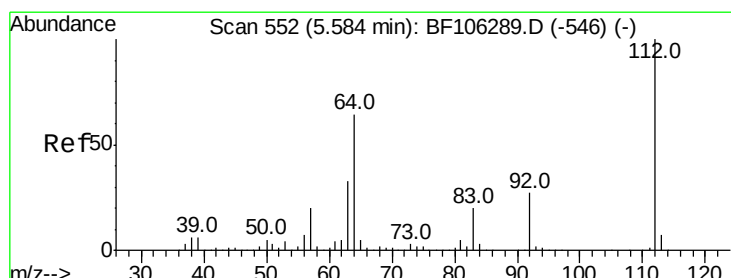
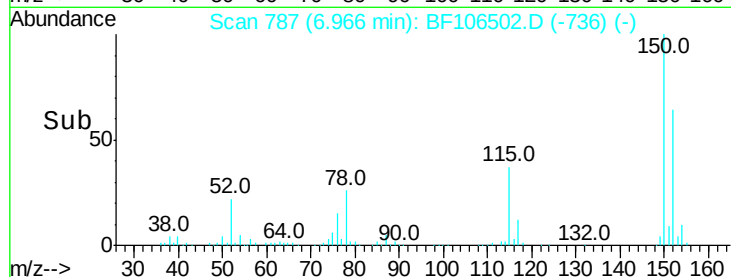
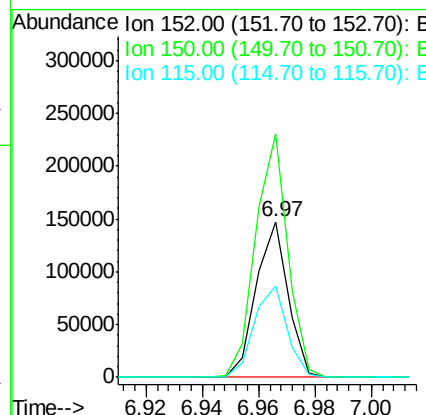
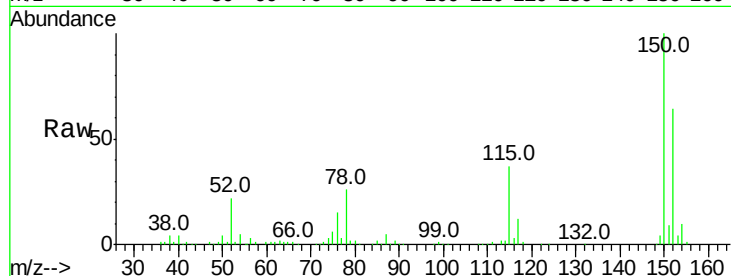
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	58.6	50.1	75.1

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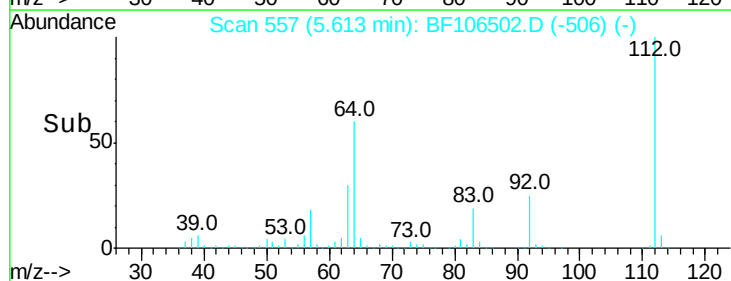
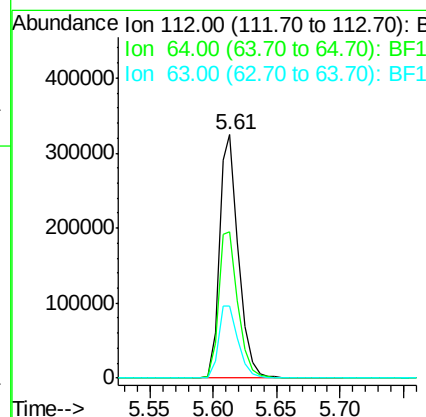
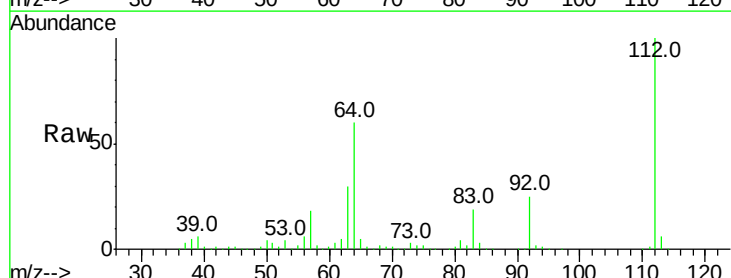
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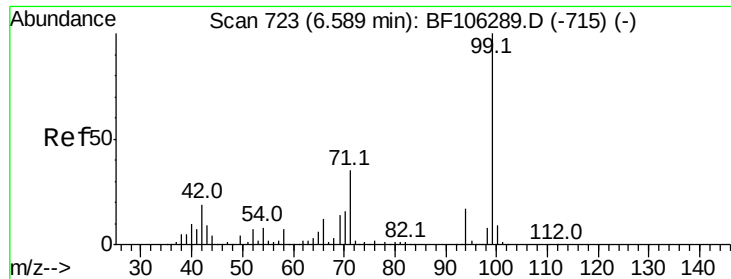


#5

2-Fluorophenol
Concen: 49.519 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 46.767 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

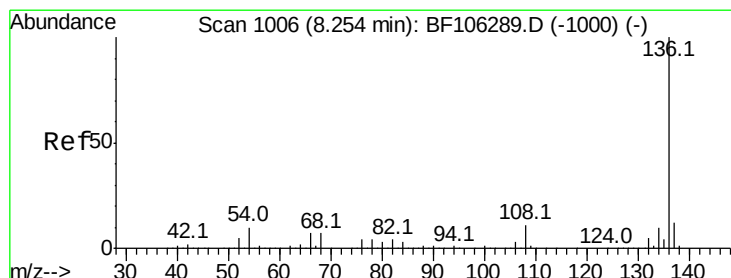
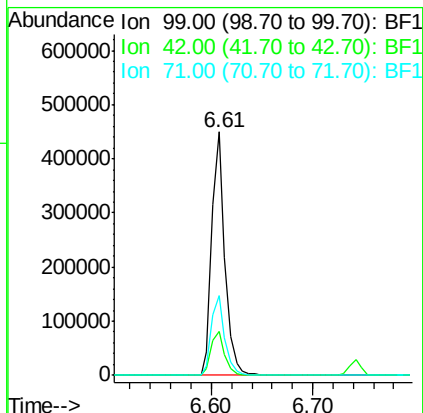
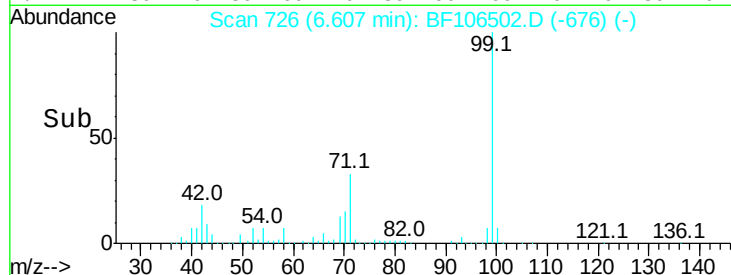
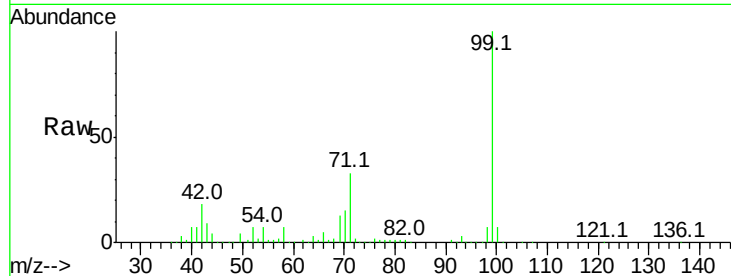
ClientSampleId :

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Tot Ion:	99	Resp:	404881
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

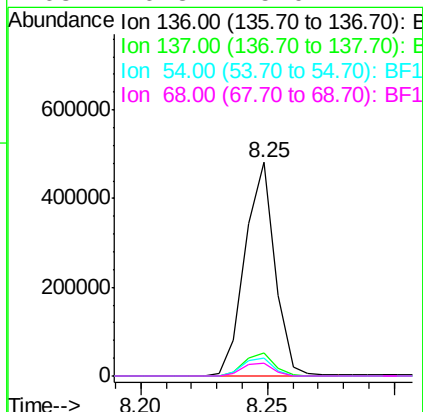
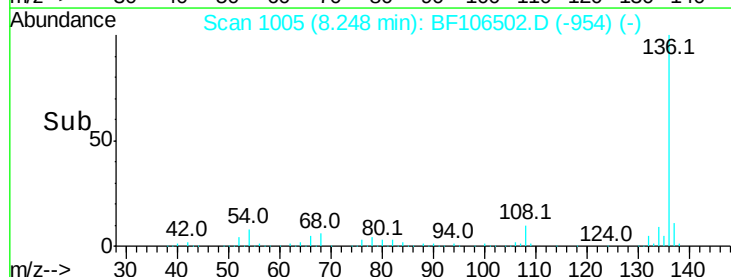
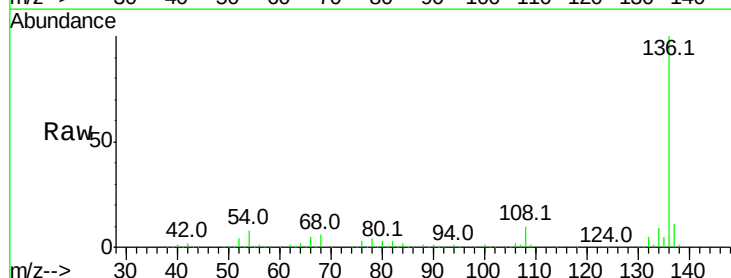
RT: 8.25 min Scan# 1005

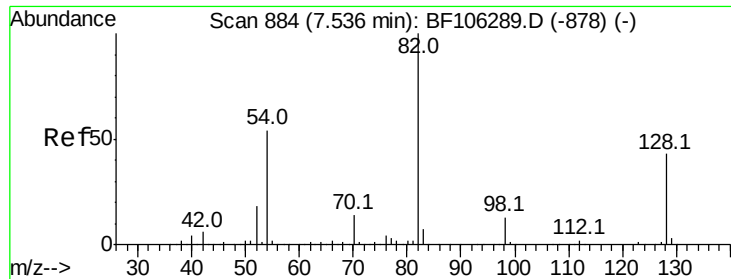
Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion:	136	Resp:	395965
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4





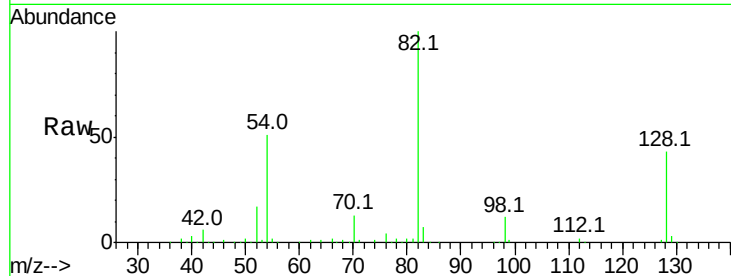
#23
 Nitrobenzene-d5
 Concen: 36.744 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
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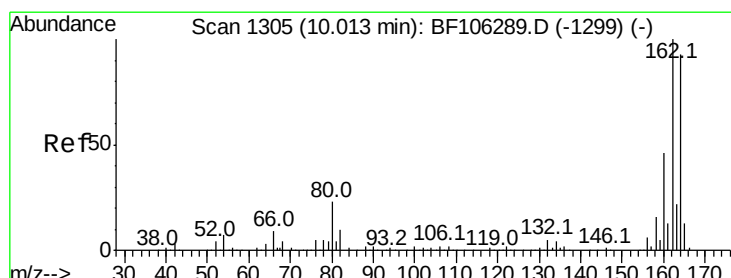
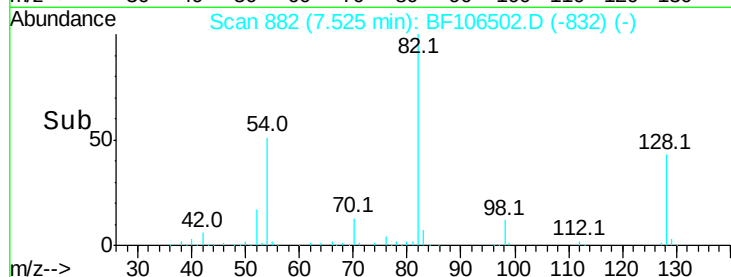
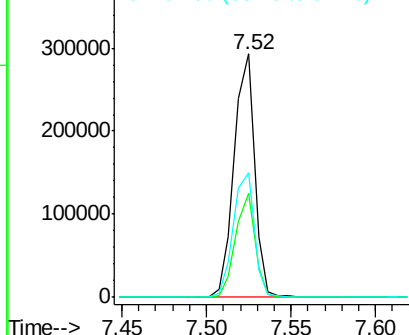
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.0	36.1	54.1	
54	51.2	41.4	62.2	

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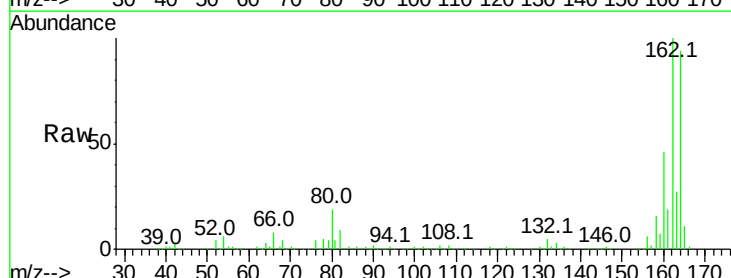


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1

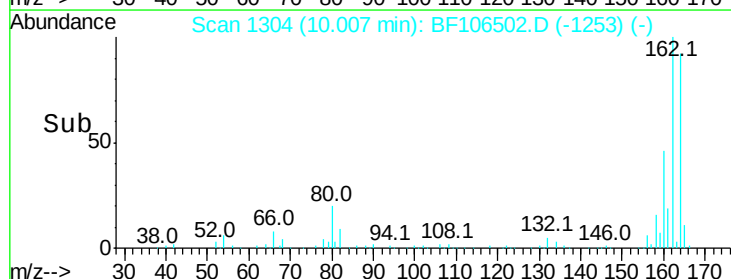
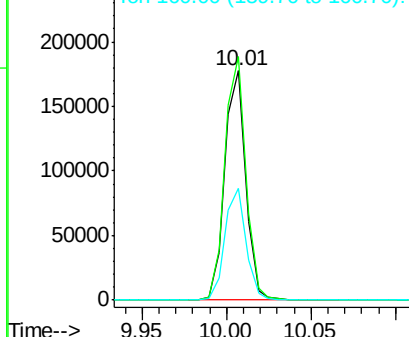


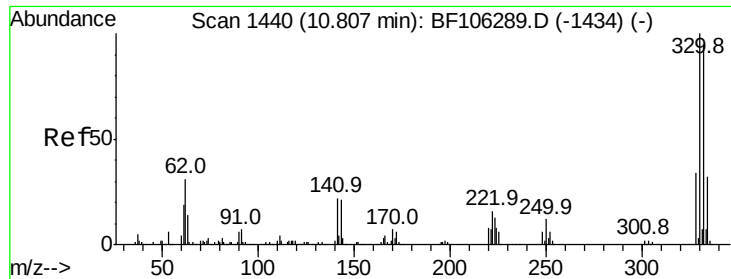
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.2	86.1	129.1	
160	48.7	38.3	57.5	



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





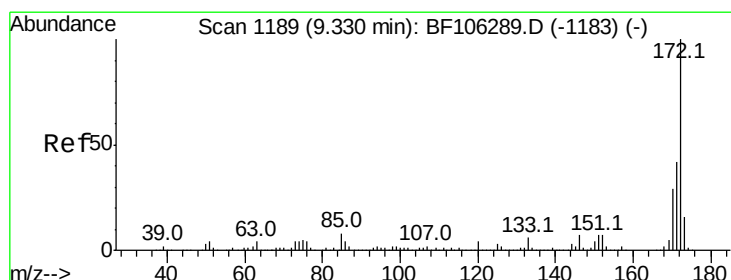
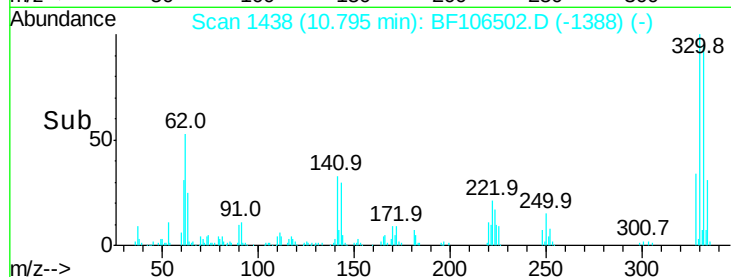
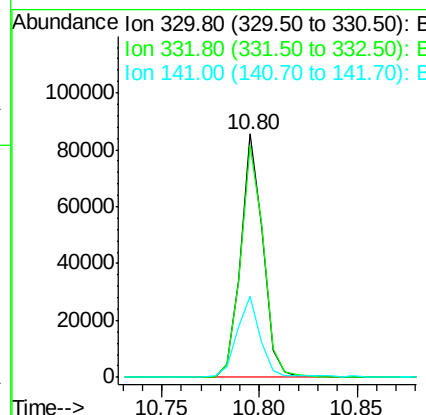
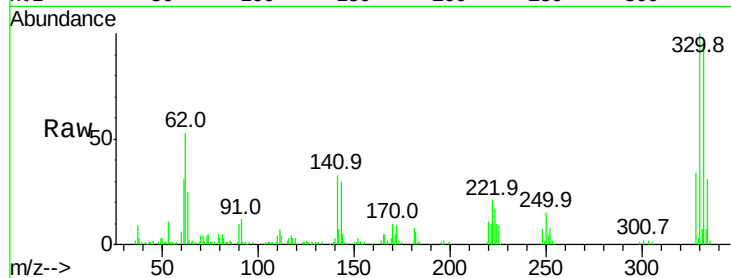
#41
 2,4,6-Tribromophenol
 Concen: 45.651 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	36.2	29.9	44.9

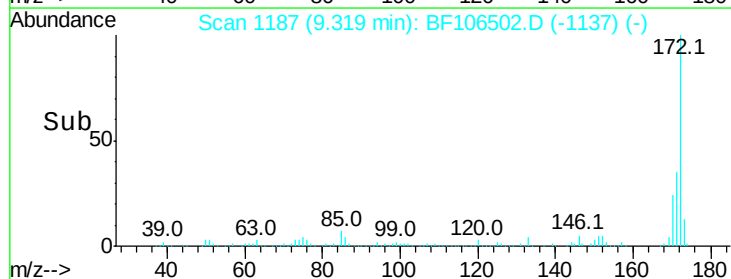
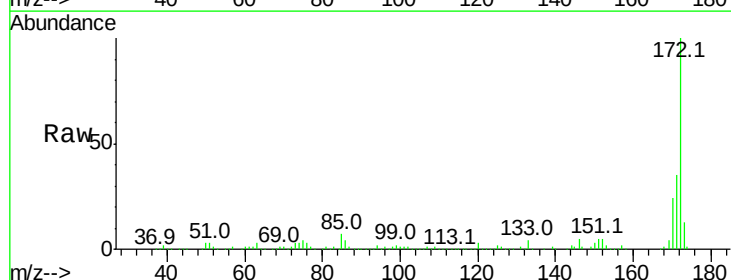
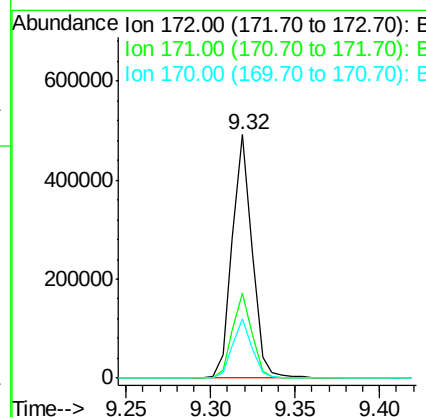
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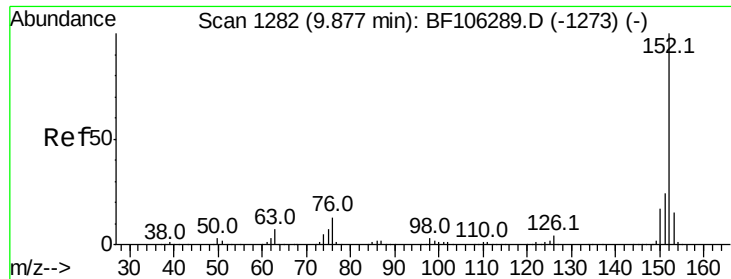
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#44
 2-Fluorobiphenyl
 Concen: 37.162 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.4	19.6	29.4





#48

Acenaphthylene

Concen: 2.223 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

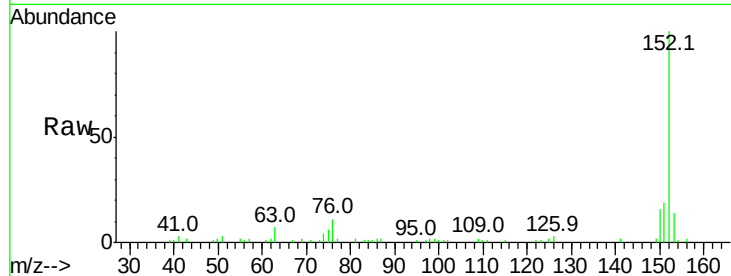
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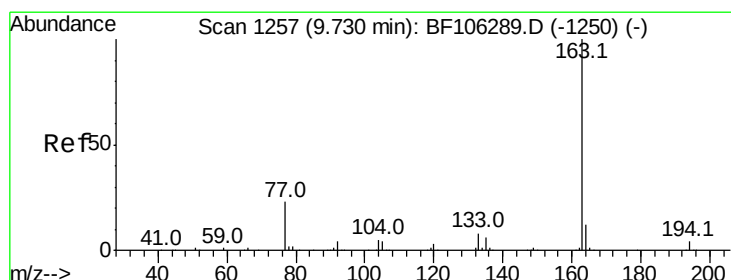
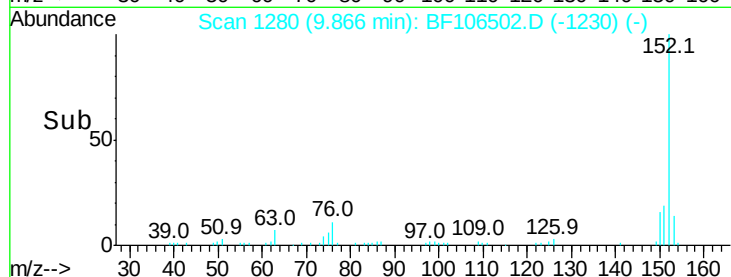
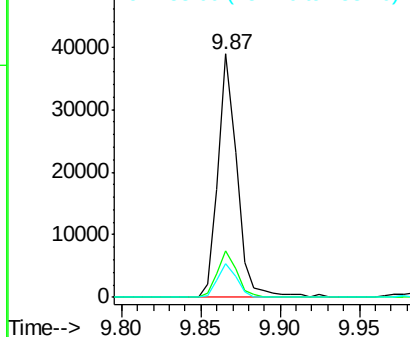
Tot Ion:	152	Resp:	32378
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.3	24.5
153	13.8	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.895 ng

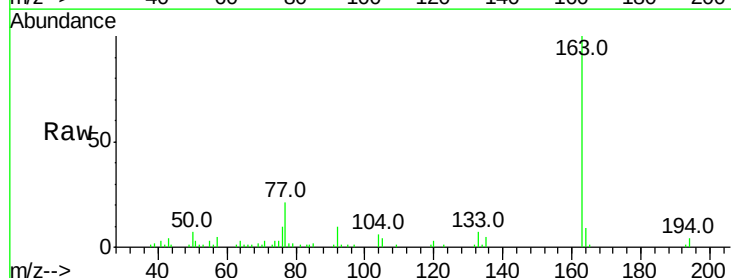
RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

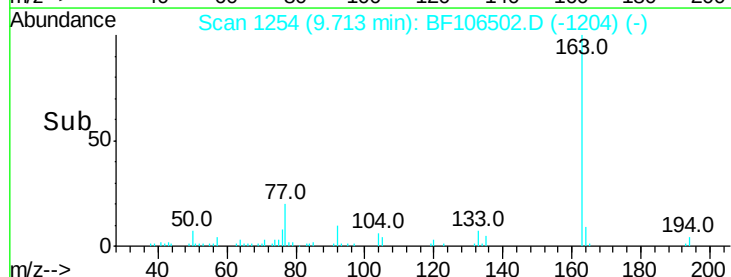
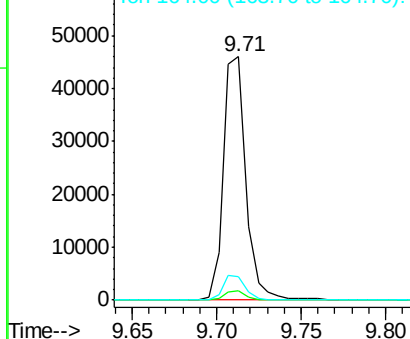
Lab File: BF106502.D

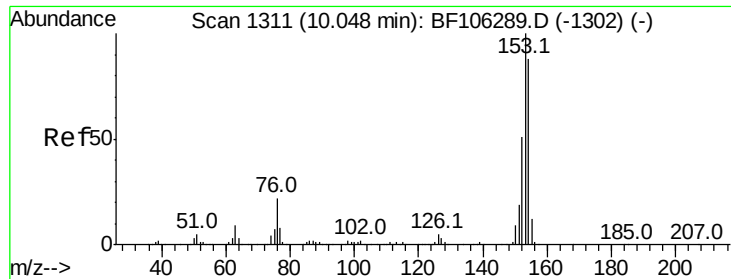
Acq: 15 Jun 2018 19:53

Tgt Ion:	163	Resp:	42716
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1
164	9.4	8.2	12.2



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

Acenaphthene

Concen: 2.401 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

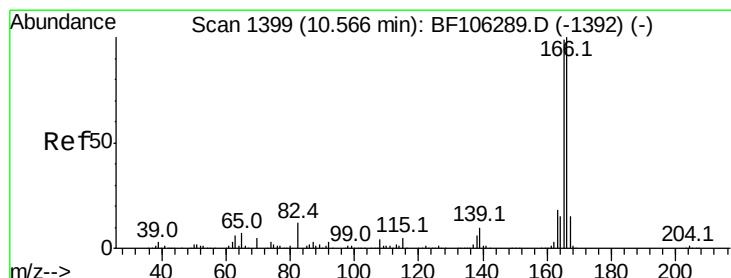
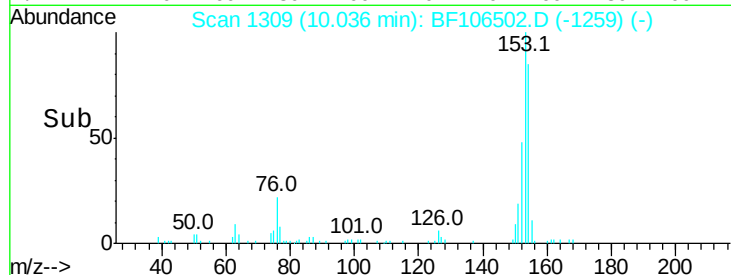
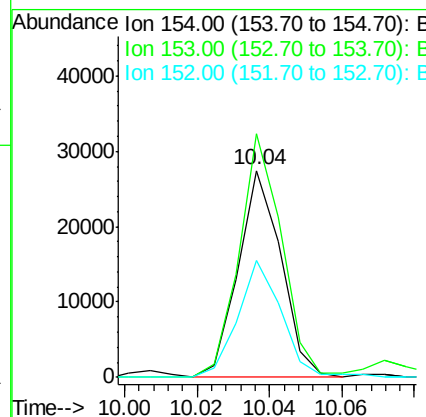
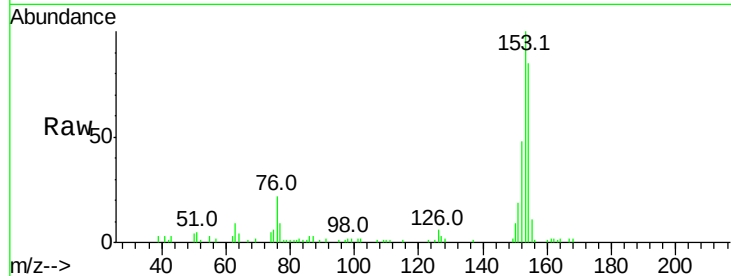
ClientSampleId :

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Tot Ion:	154	Resp:	22585
Ion Ratio	Lower	Upper	
154	100		
153	117.6	91.2	136.8
152	56.5	43.8	65.8

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#57

Fluorene

Concen: 2.696 ng

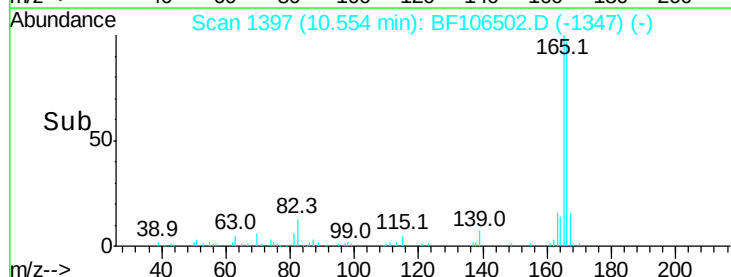
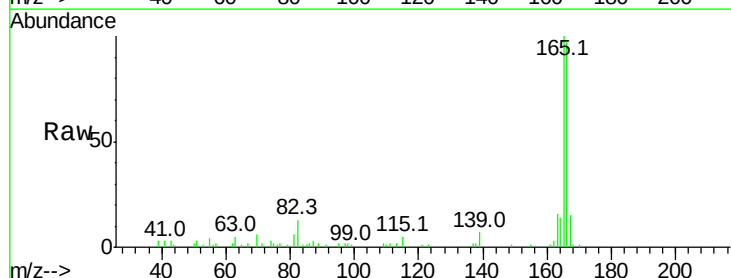
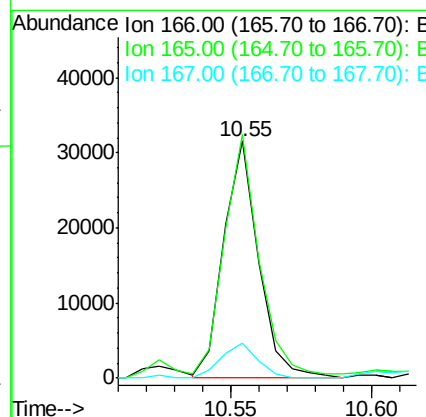
RT: 10.55 min Scan# 1397

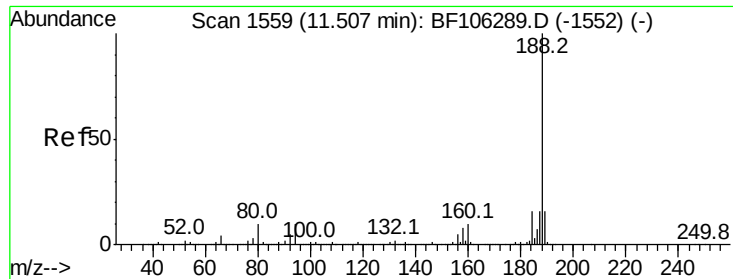
Delta R.T. -0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion:	166	Resp:	27050
Ion Ratio	Lower	Upper	
166	100		
165	102.8	79.8	119.8
167	14.9	10.6	16.0





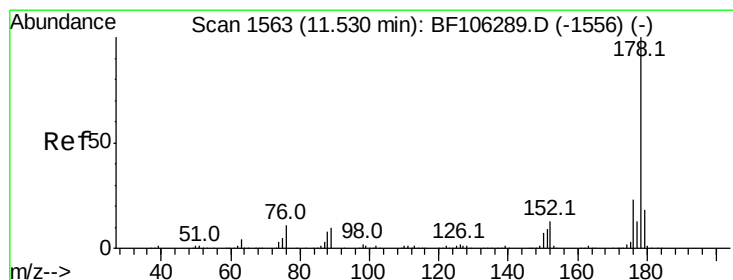
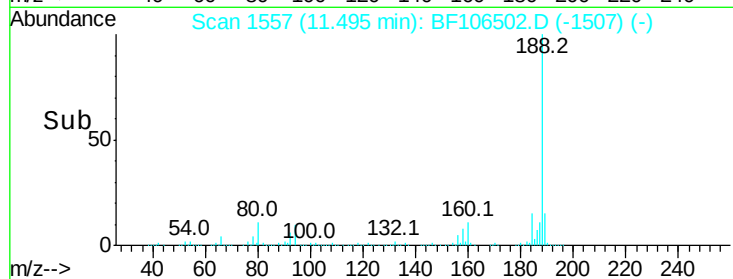
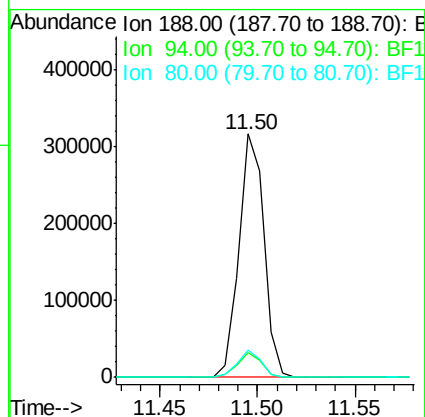
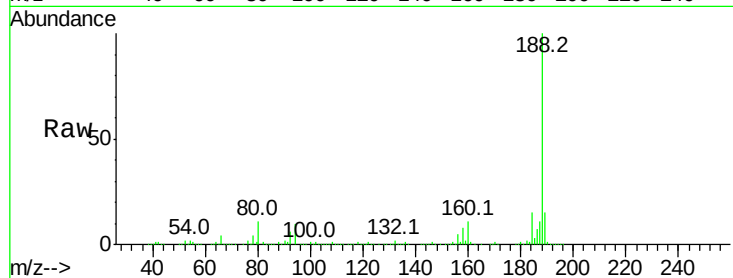
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	280840		
94	10.2		8.5	12.7
80	11.2		9.2	13.8

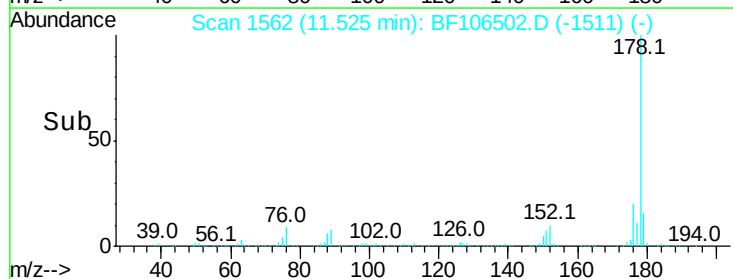
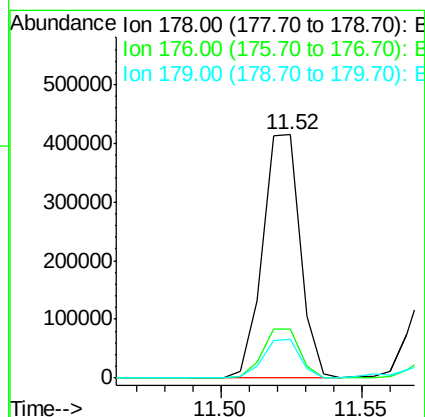
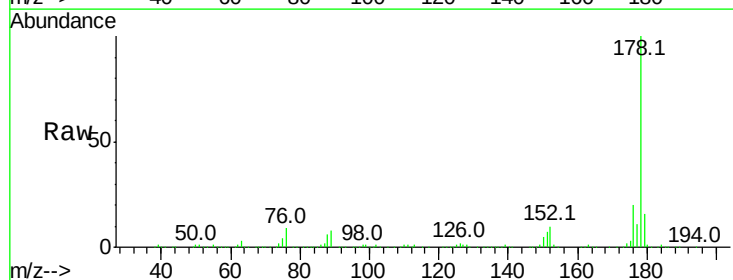
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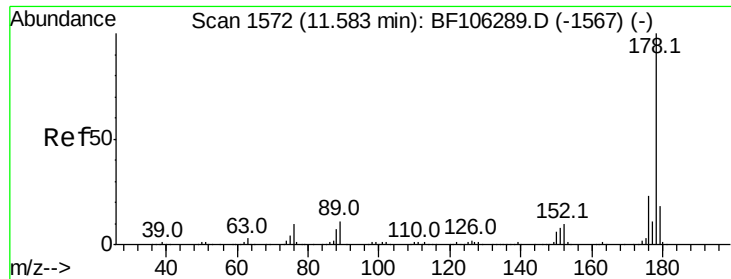
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#70
Phenanthrene
Concen: 27.913 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	383911		
176	20.0		15.8	23.8
179	15.7		13.0	19.6





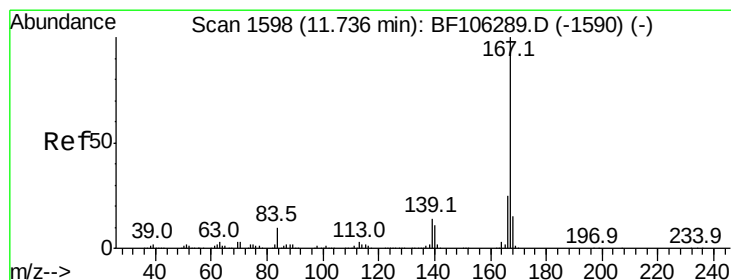
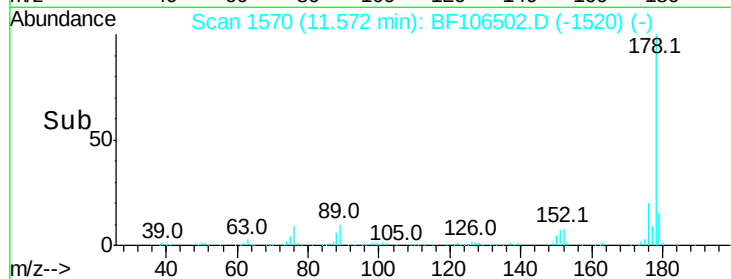
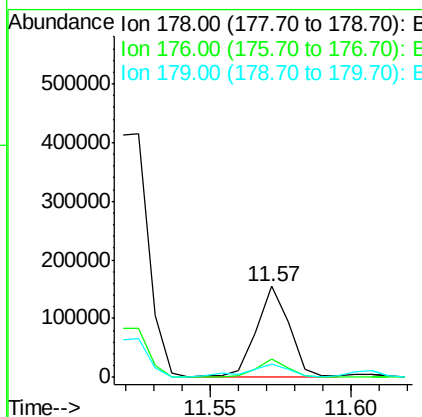
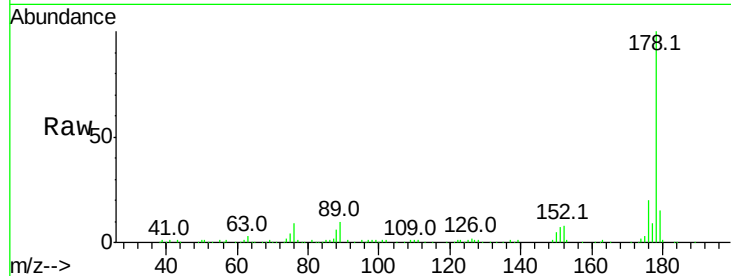
#71
 Anthracene
 Concen: 8.901 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.2	12.6	19.0

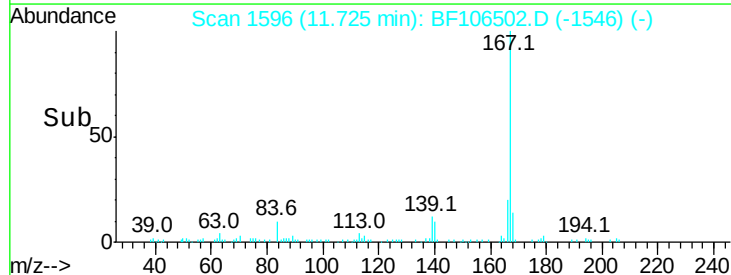
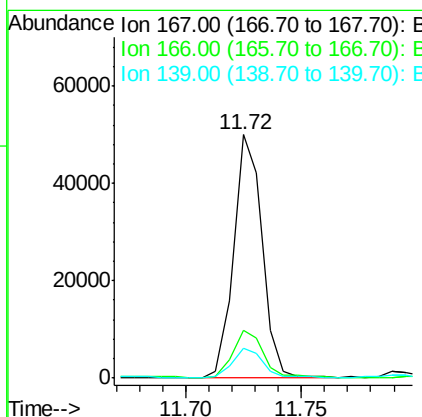
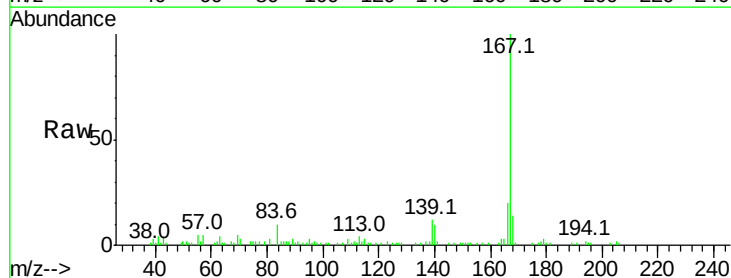
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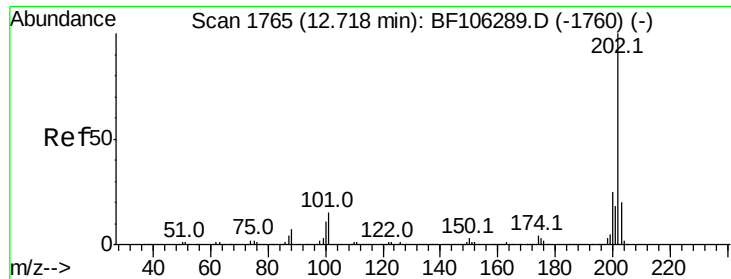
Sohil
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#72
 Carbazole
 Concen: 3.378 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.7	17.6	26.4
139	12.3	10.9	16.3





#74

Fluoranthene

Concen: 55.570 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

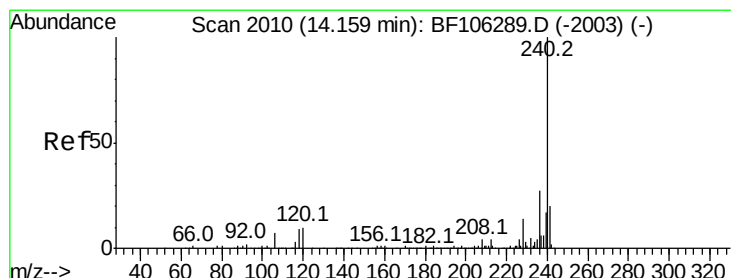
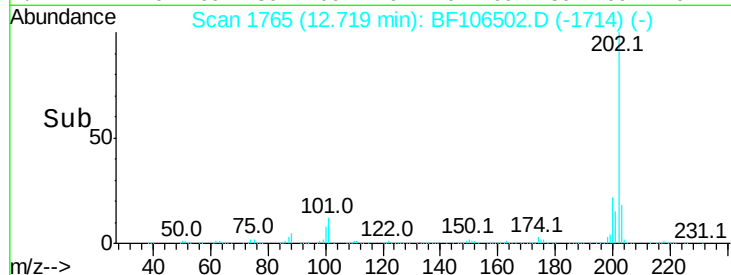
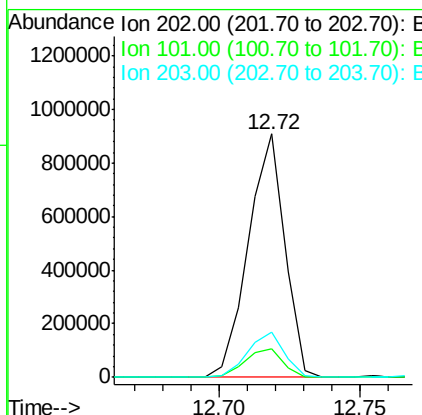
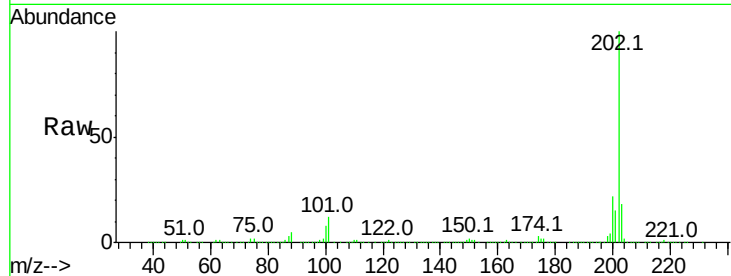
ClientSampleId :

DOCUMENTATION-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	815087		
101	12.0	0.0	34.1	
203	18.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

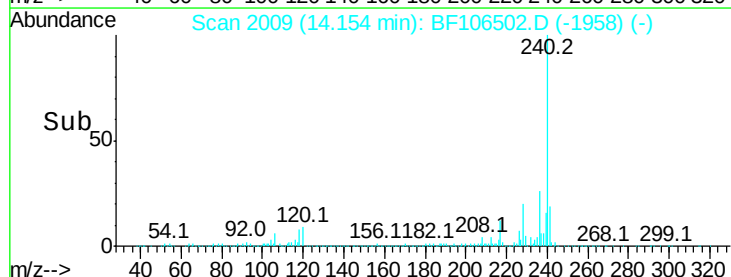
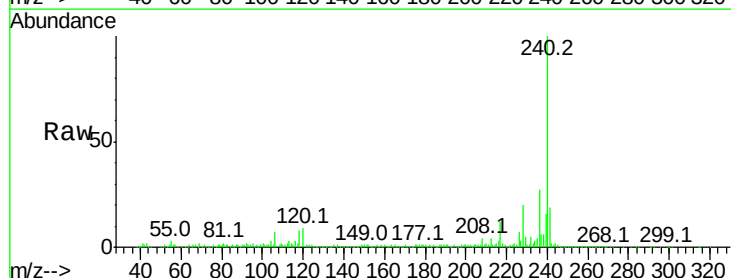
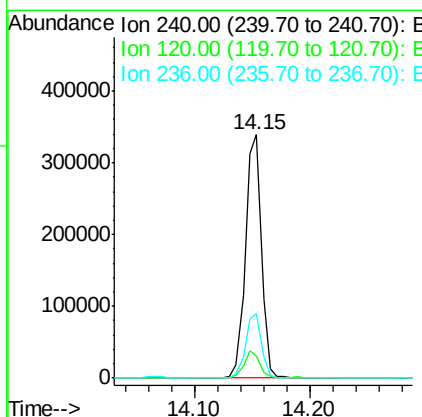
RT: 14.15 min Scan# 2009

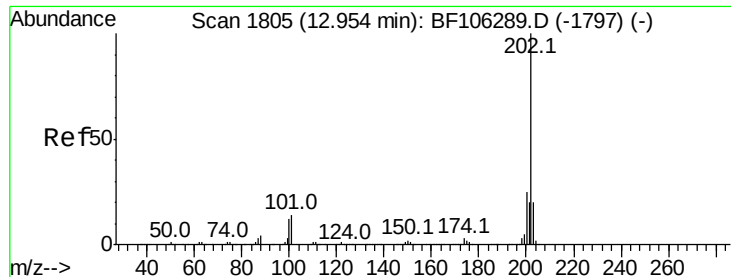
Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	324134		
120	9.2	9.5	14.3#	
236	26.5	20.7	31.1	





#77

Pvrene

Concen: 38.459 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

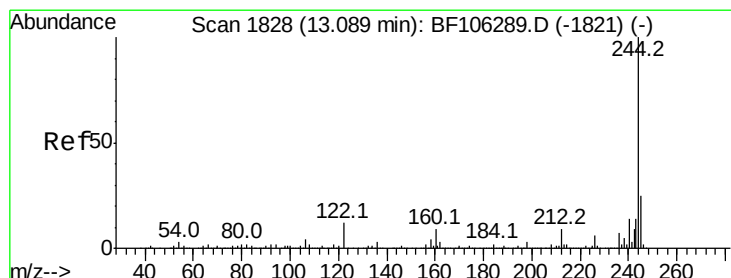
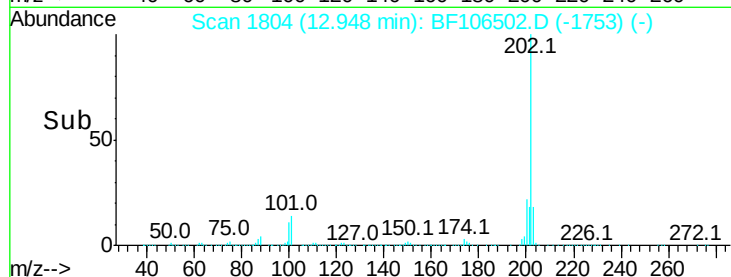
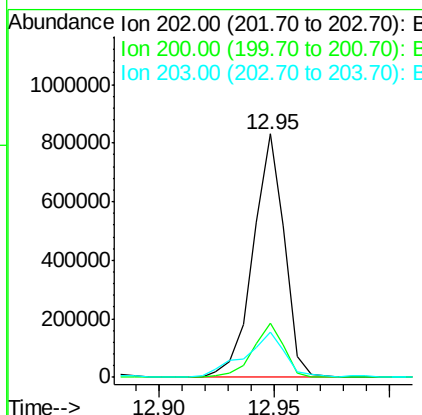
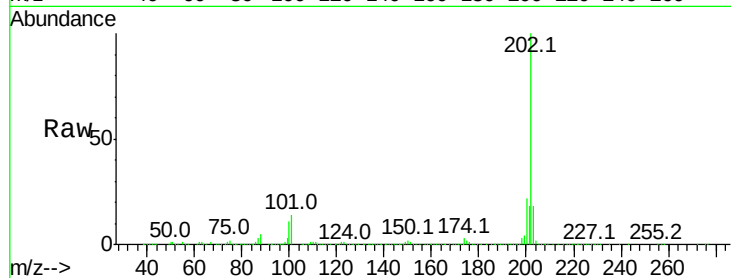
ClientSampleId :

DOCUMENTATION-4

Tot Ion:202	Resp:	780445
Ion Ratio	Lower	Upper
202 100		
200 22.5	17.4	26.2
203 18.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 32.806 ng

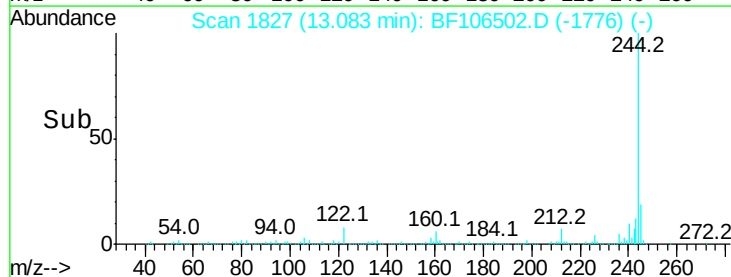
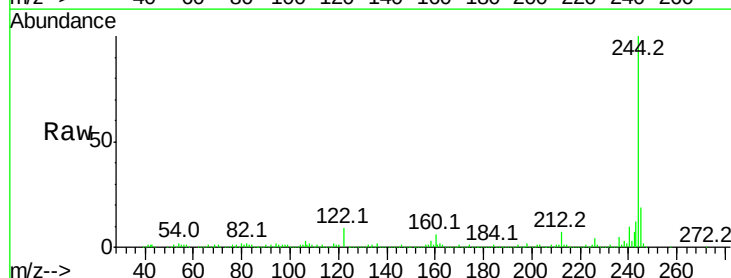
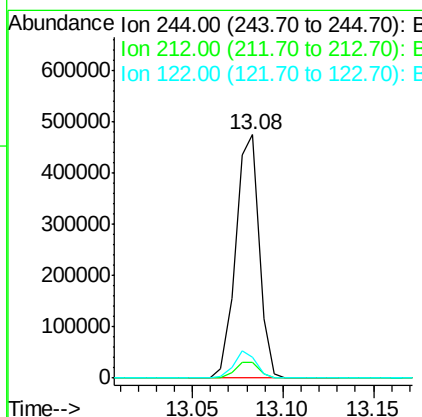
RT: 13.08 min Scan# 1827

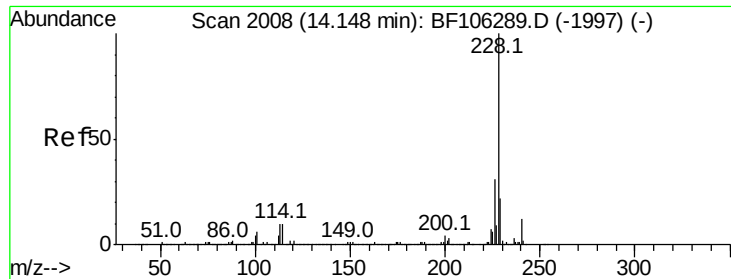
Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion:244	Resp:	428124
Ion Ratio	Lower	Upper
244 100		
212 6.5	5.4	8.0
122 8.5	11.0	16.4#





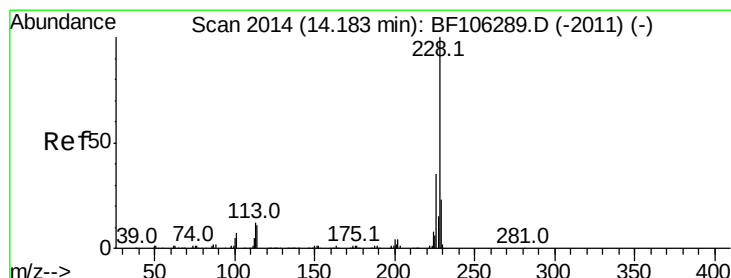
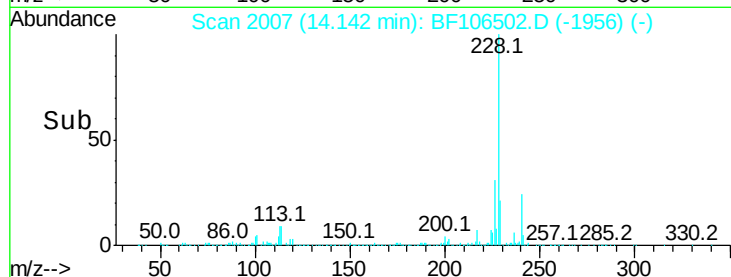
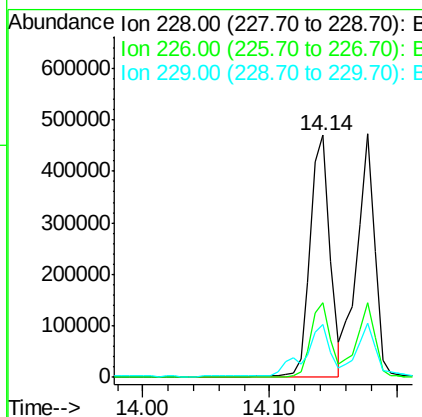
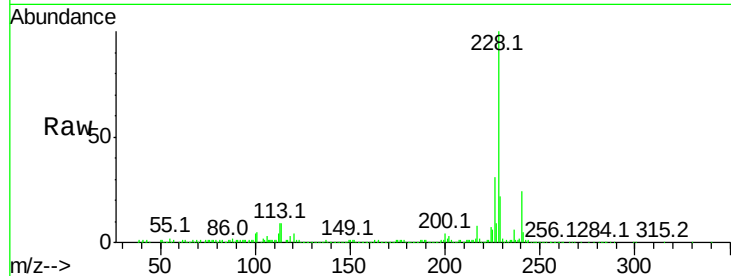
#80
Benzo(a)anthracene
Concen: 26.137 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.8	15.8	23.6

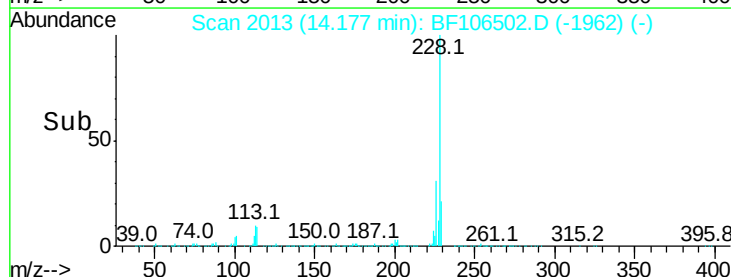
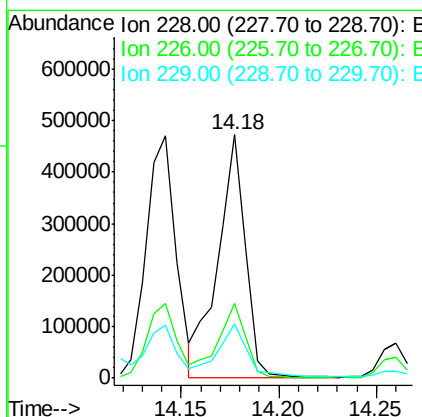
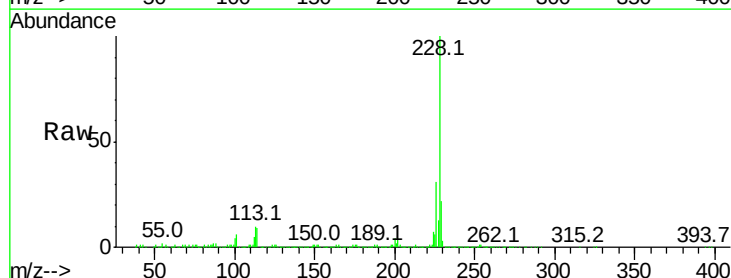
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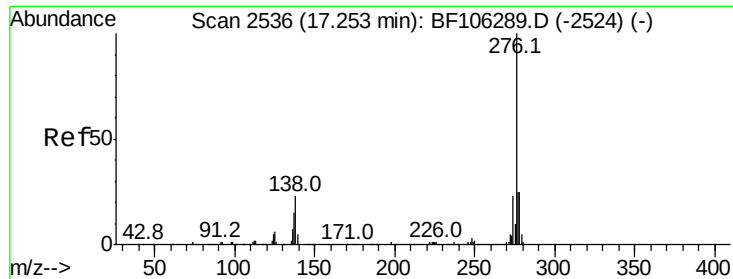
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#82
Chrysene
Concen: 26.088 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.2	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.841 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

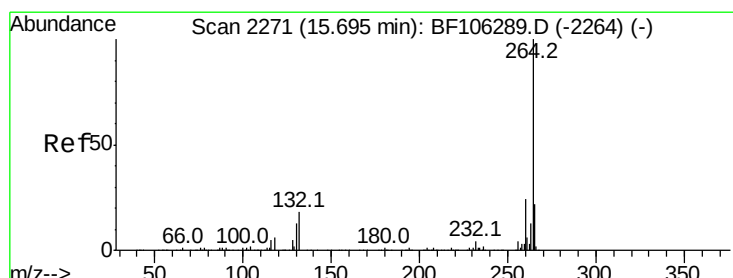
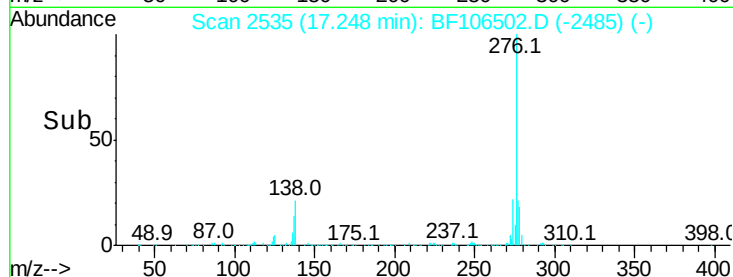
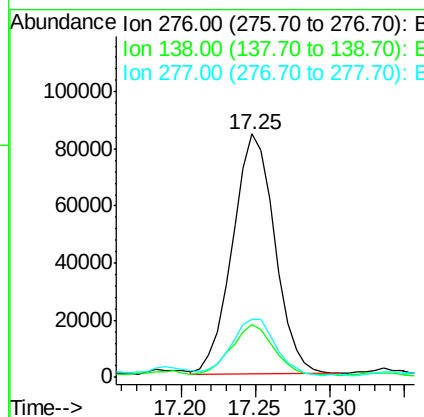
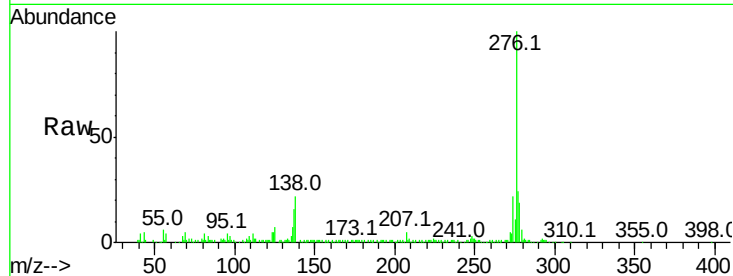
ClientSampleId :

DOCUMENTATION-4

Tot Ion:	276	Resp:	166425
Ion Ratio	Lower	Upper	
276	100		
138	21.4	25.0	37.6#
277	24.2	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

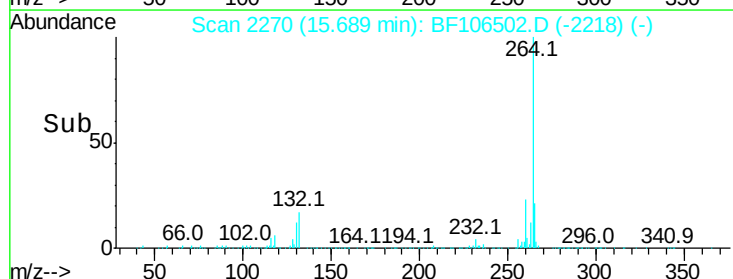
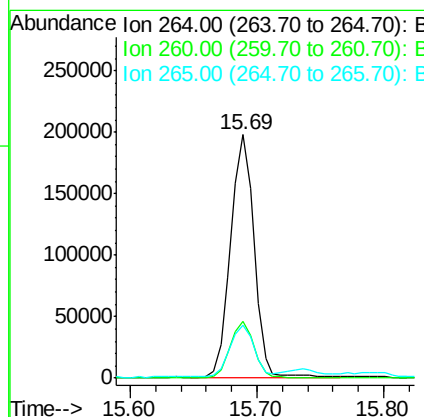
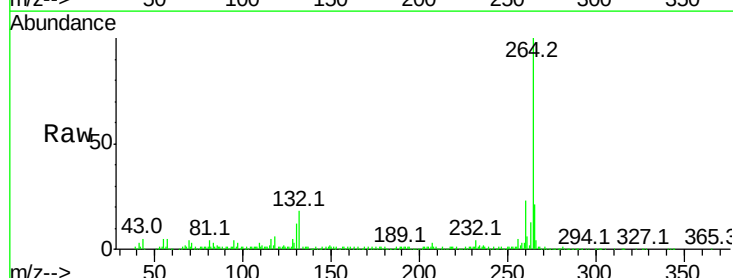
RT: 15.69 min Scan# 2270

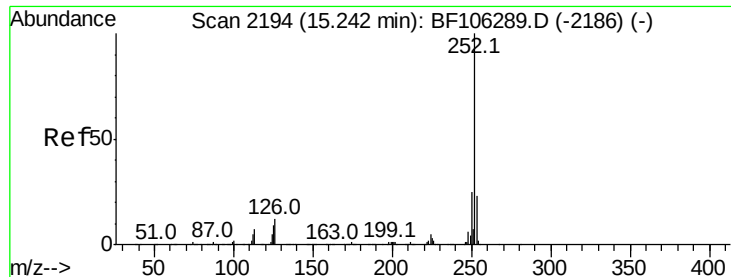
Delta R.T. 0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion:	264	Resp:	251714
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 35.052 ng m

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Instrument :

BNA_F

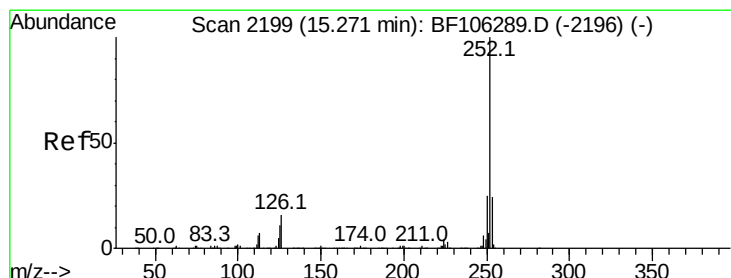
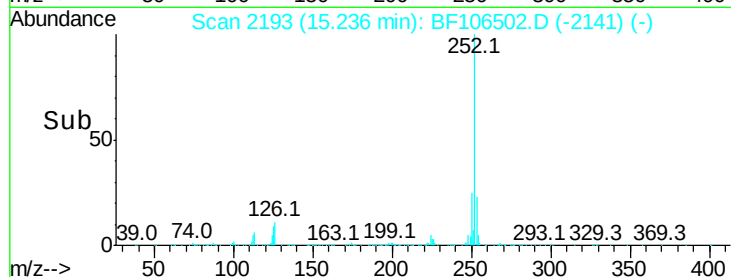
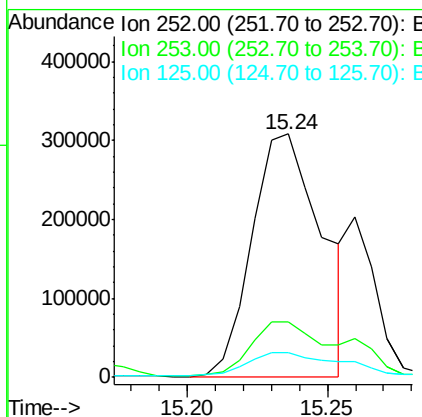
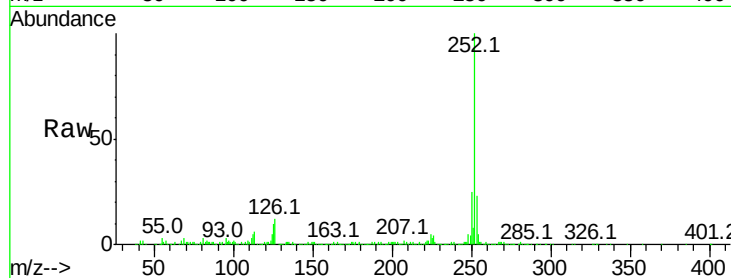
ClientSampleId :

DOCUMENTATION-4

Tot Ion:	252	Resp:	533348
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.0	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 9.540 ng m

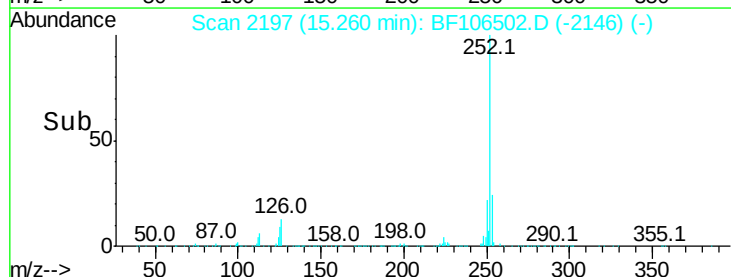
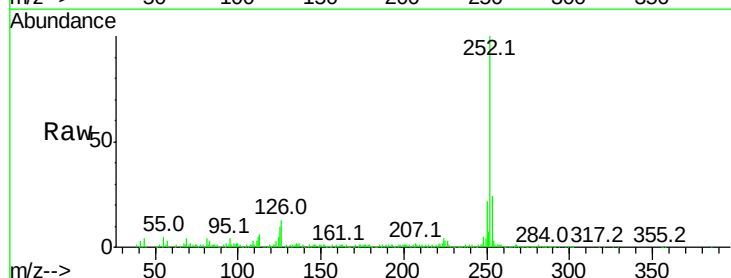
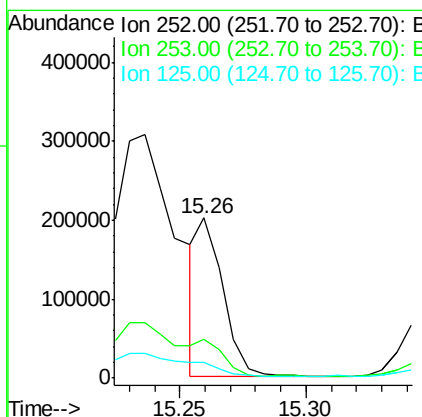
RT: 15.26 min Scan# 2197

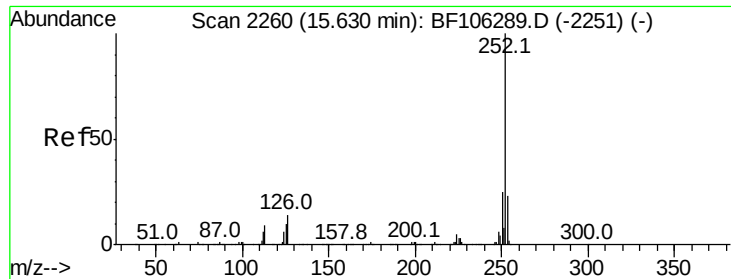
Delta R.T. 0.00 min

Lab File: BF106502.D

Acq: 15 Jun 2018 19:53

Tgt Ion:	252	Resp:	143758
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	9.7	10.2	15.2#





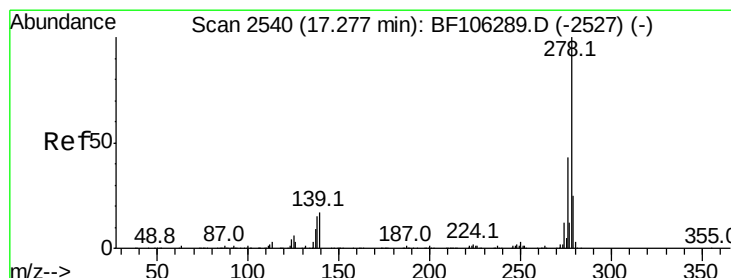
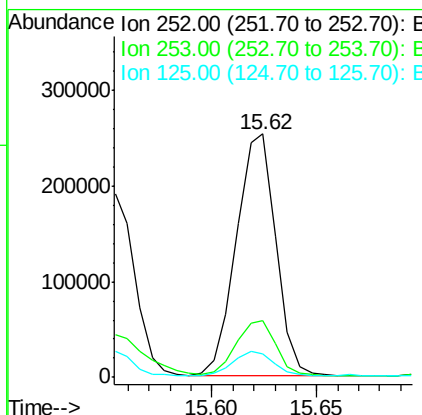
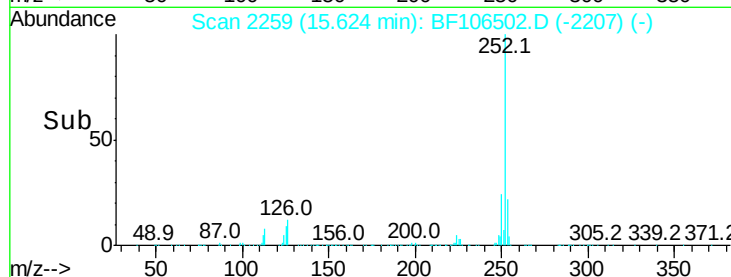
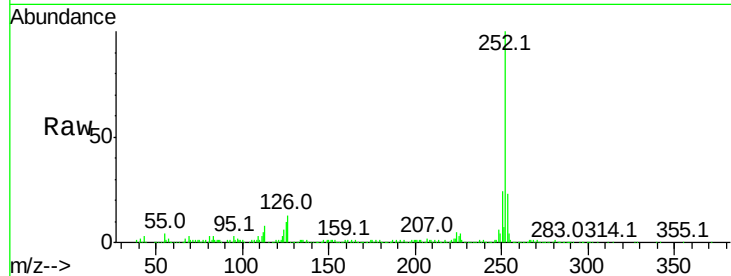
#89
Benzo(a)pyrene
Concen: 24.437 ng m
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	9.5	9.8	14.6

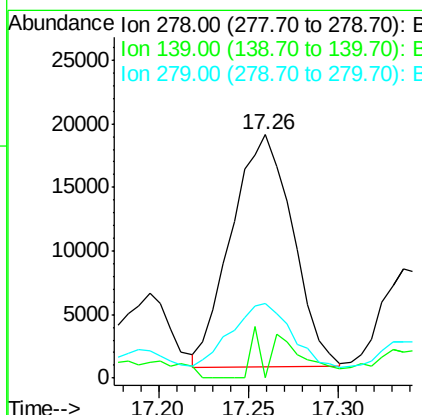
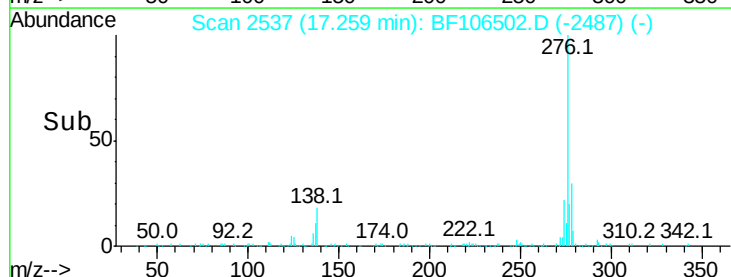
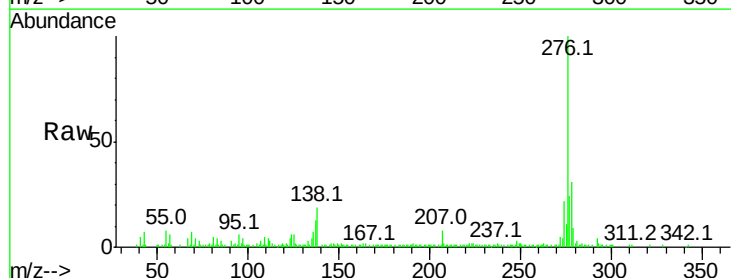
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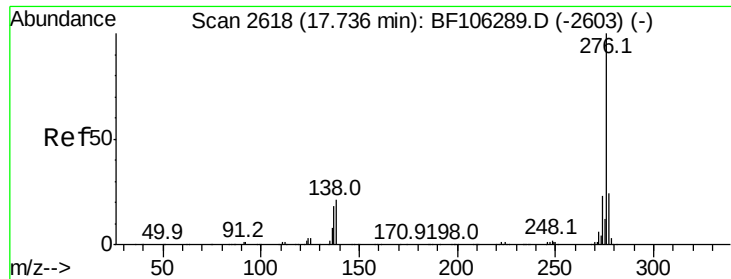
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#90
Dibenzo(a,h)anthracene
Concen: 3.802 ng m
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF106502.D
Acq: 15 Jun 2018 19:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	30.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 14.556 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BF106502.D
 Acq: 15 Jun 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-4

Tot Ion:	276	Resp:	161403
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.9	26.9
138	21.9	21.8	32.8

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