

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097409.D
 Acq On : 5 Aug 2017 20:47
 Operator : SJ/JU
 Sample : I4613-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080317

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:56 PM

Quant Time: Aug 06 05:04:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	88166	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	303074	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	107933	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	179826	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	171758	20.00	ng	-0.08
86) Perylene-d12	14.89	264	110176	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	119709	20.47	ng	-0.07
7) Phenol-d6	6.10	99	158497	23.74	ng	-0.06
23) Nitrobenzene-d5	7.00	82	69083	13.37	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	18232	21.38	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	136233	21.42	ng	-0.08
78) Terphenyl-d14	12.50	244	98952	11.75	ng	-0.08
Target Compounds						
70) Phenanthrene	10.95	178	65140	6.761	ng	99
74) Fluoranthene	12.13	202	172795	18.306	ng	97
77) Pyrene	12.35	202	164830	11.722	ng	98
80) Benzo(a)anthracene	13.53	228	79851	7.185	ng	98
82) Chrysene	13.57	228	74600	6.874	ng	98
85) Indeno(1,2,3-cd)pyrene	16.09	276	28642	3.078	ng	95
87) Benzo(b)fluoranthene	14.54	252	74966m	11.319	ng	
88) Benzo(k)fluoranthene	14.56	252	27398m	4.341	ng	
89) Benzo(a)pyrene	14.84	252	50603	8.348	ng	# 92
91) Benzo(g,h,i)perylene	16.44	276	30118	5.778	ng	# 93

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

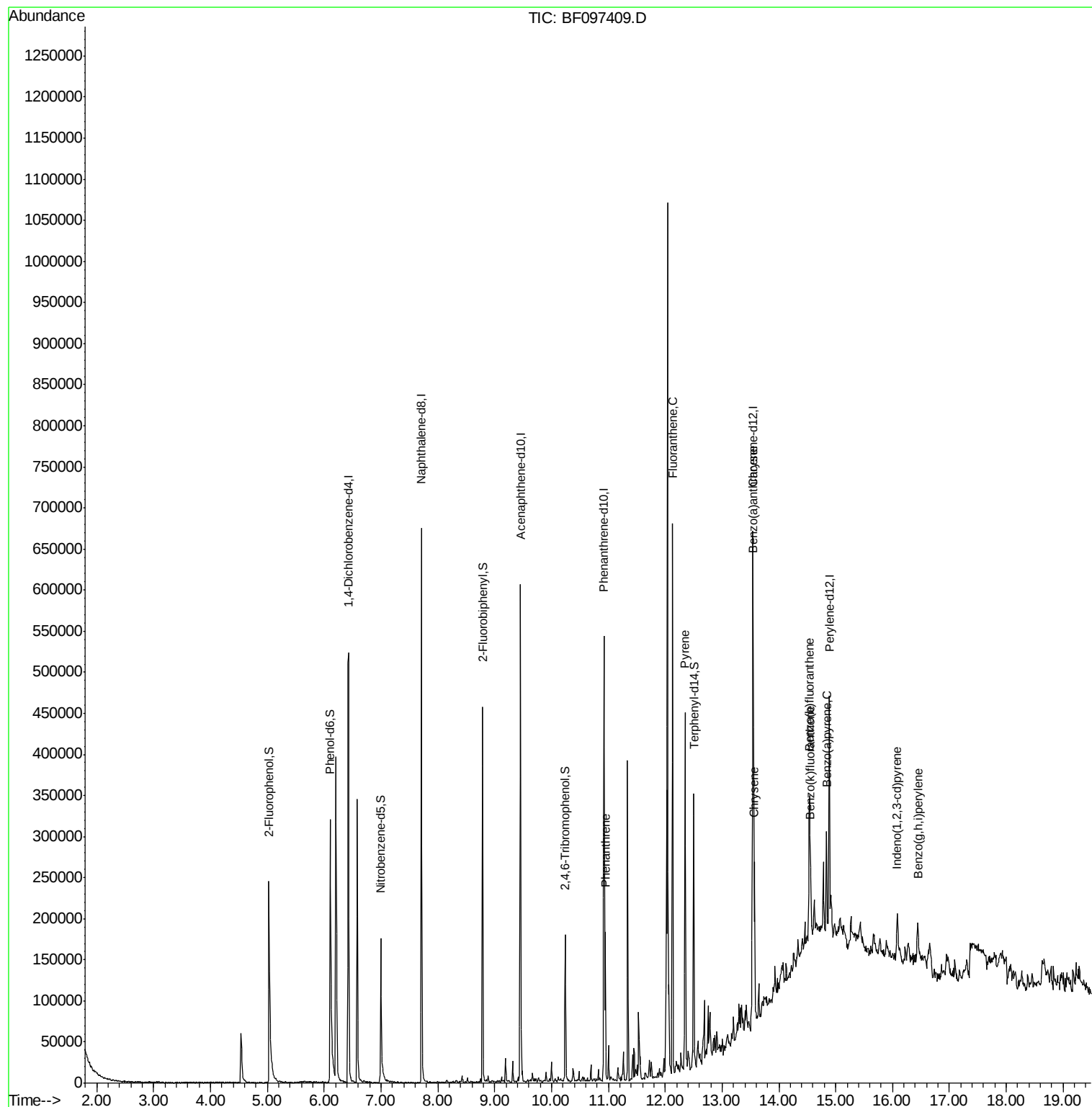
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097409.D
Acq On : 5 Aug 2017 20:47
Operator : SJ/JU
Sample : I4613-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

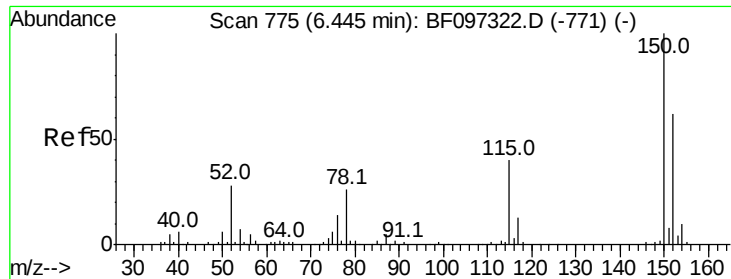
Instrument :
BNA_F
ClientSampleId :
TR-05-080317

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM

Quant Time: Aug 06 05:04:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration





#1

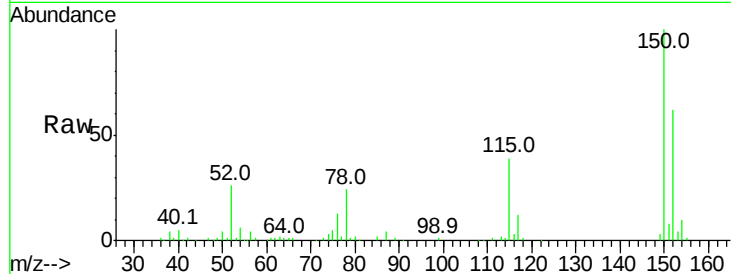
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
TR-05-080317

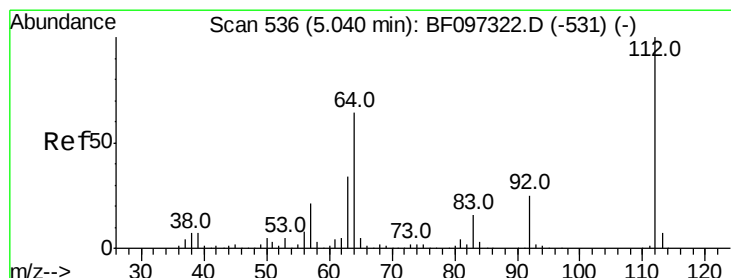
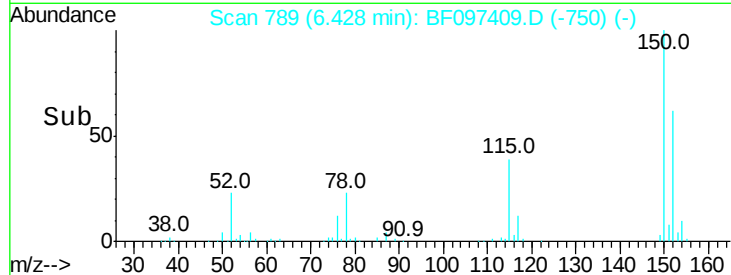
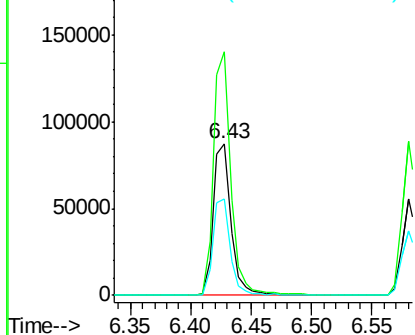
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	63.2	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM



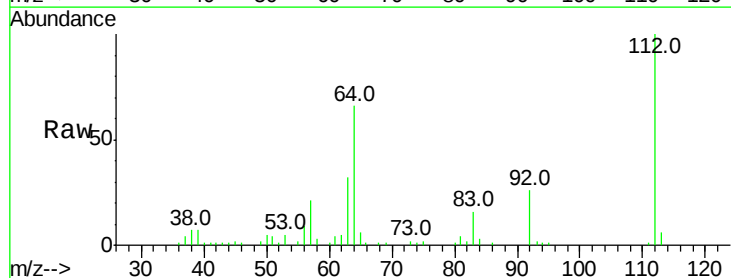
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



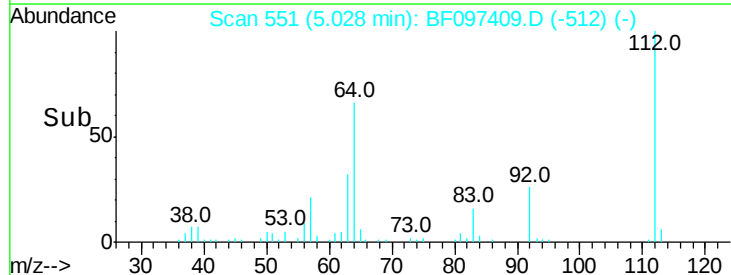
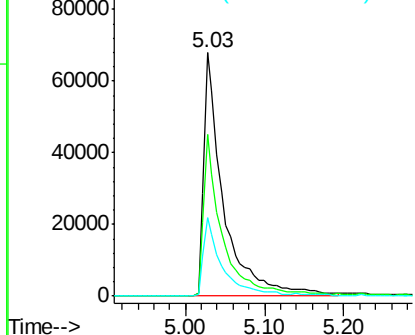
#5

2-Fluorophenol
Concen: 20.468 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	32.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.738 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Instrument :

BNA_F

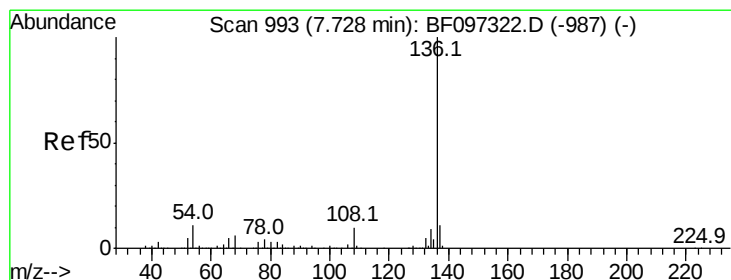
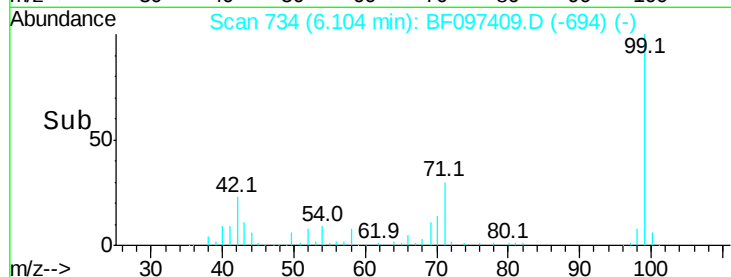
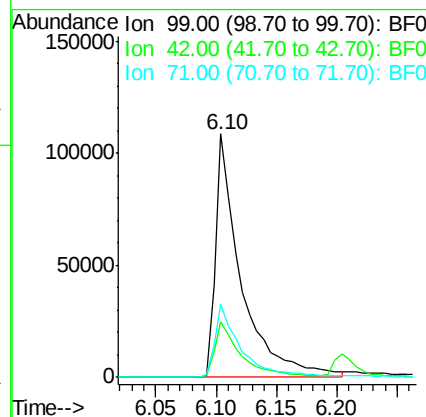
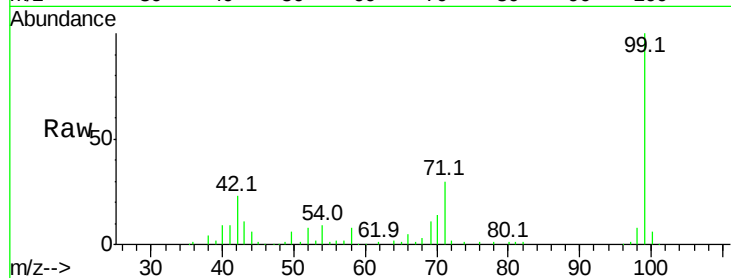
ClientSampled :

TR-05-080317

Tot Ion:	99	Resp:	158497
Ion Ratio	Lower	Upper	
99	100		
42	22.7	13.5	20.3#
71	30.0	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM



#21

Naphthalene-d8

Concen: 20.000 ng

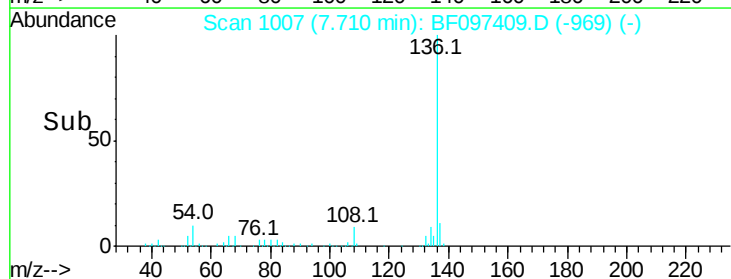
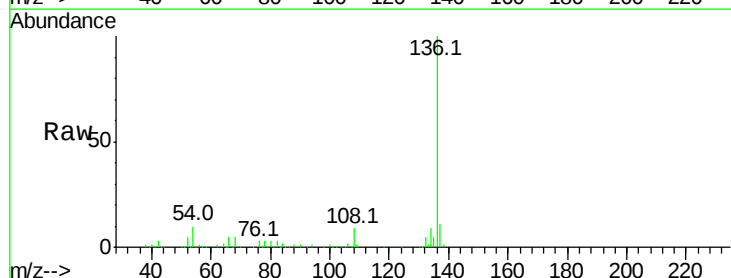
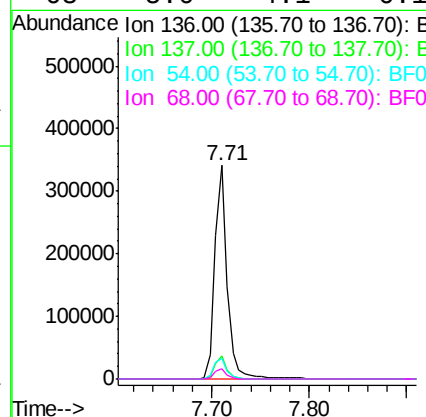
RT: 7.71 min Scan# 1007

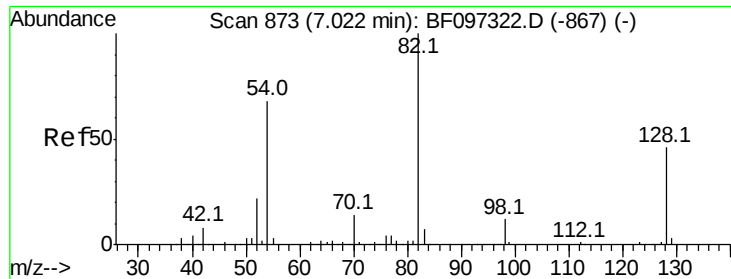
Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Tgt Ion:	136	Resp:	303074
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	9.8	4.9	7.3#
68	5.0	4.1	6.1





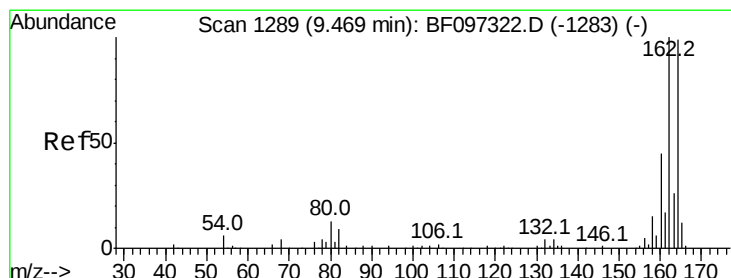
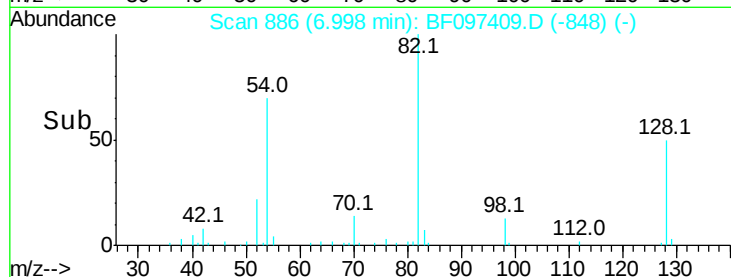
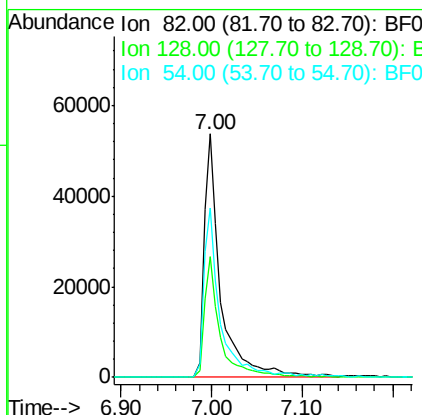
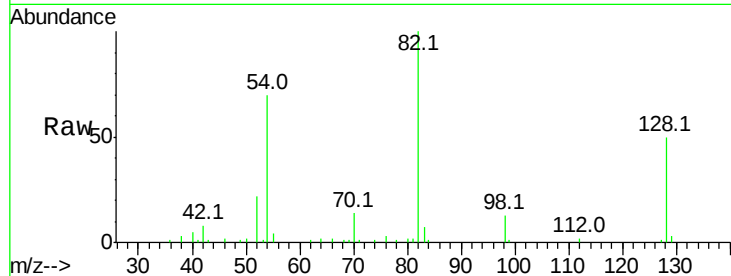
#23
 Nitrobenzene-d5
 Concen: 13.372 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.08 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080317

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.0	51.0
54	69.5	42.2	63.2

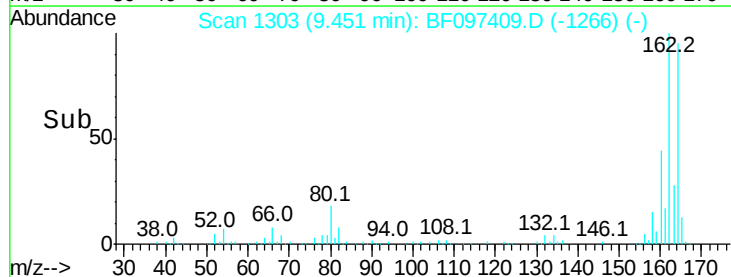
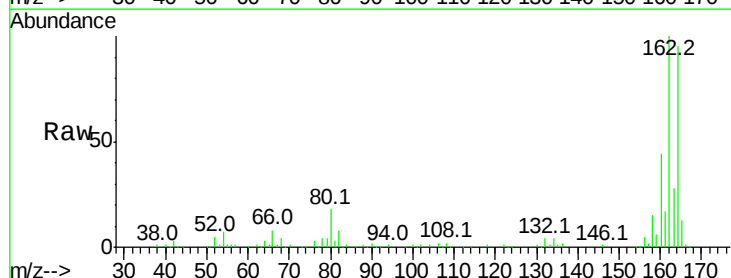
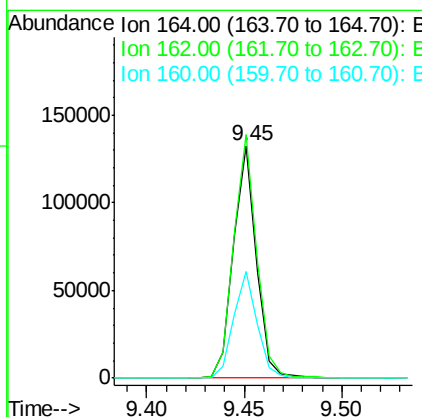
Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:56 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	46.2	36.2	54.2





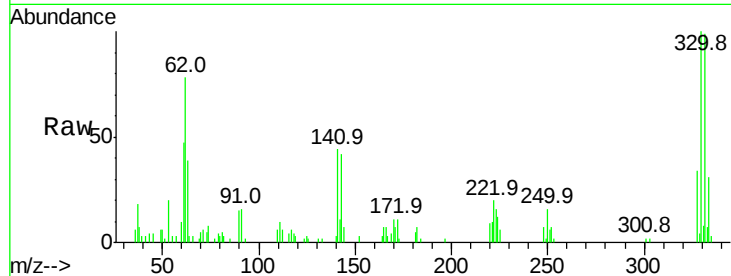
#41
 2,4,6-Tribromophenol
 Concen: 21.380 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampled :
 TR-05-080317

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	40.7	31.4	47.2

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:56 PM

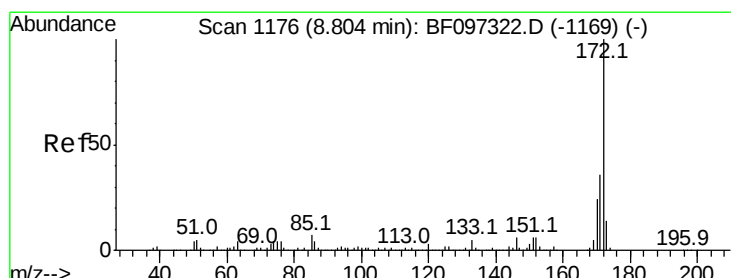
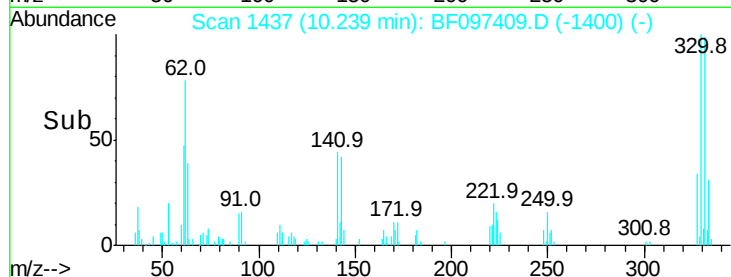
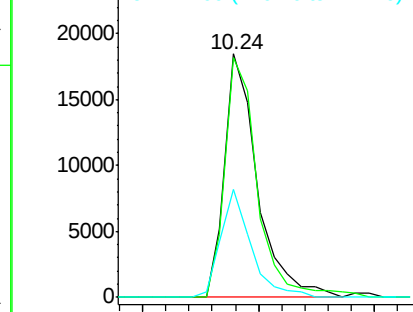


Abundance

Ion 329.80 (329.50 to 330.50): E

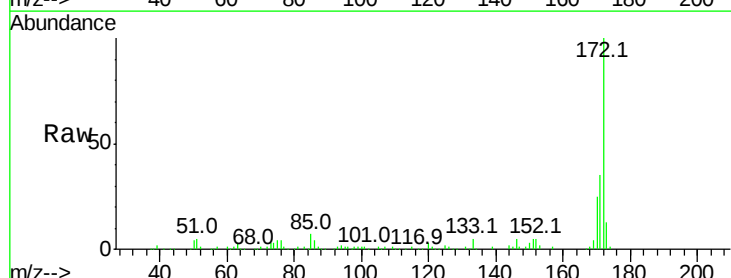
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 21.421 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.7	19.8	29.8

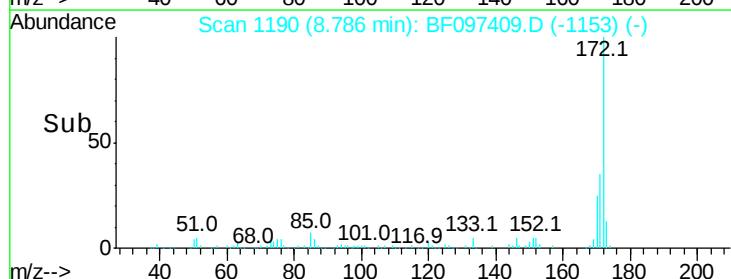
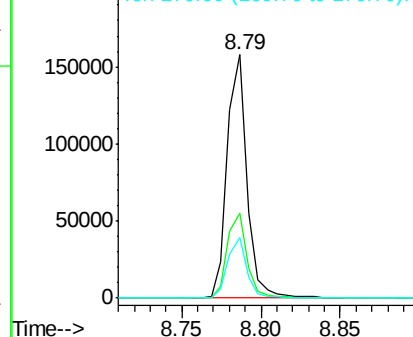


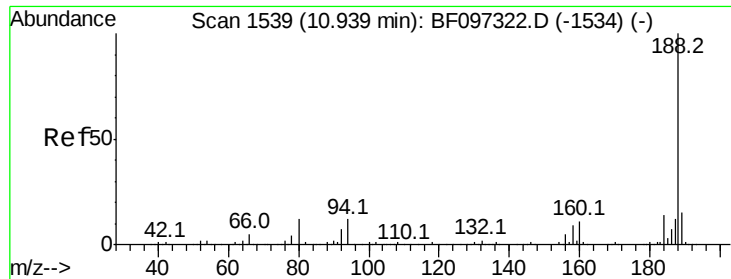
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Instrument :

BNA_F

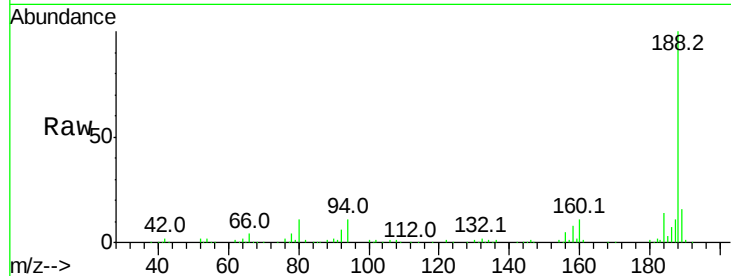
ClientSampleId :

TR-05-080317

Tot Ion:	188	Resp:	179826
Ion Ratio	Lower	Upper	
188	100		
94	11.5	9.4	14.2
80	11.5	10.2	15.2

Manual Integrations
APPROVED

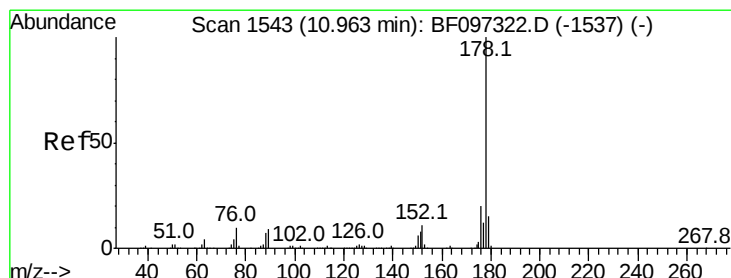
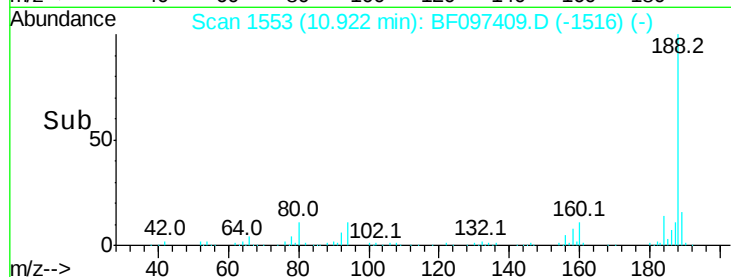
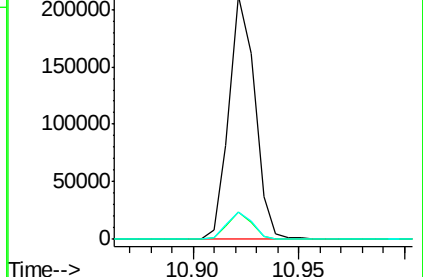
Sohil
8/7/2017 6:00:56 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.761 ng

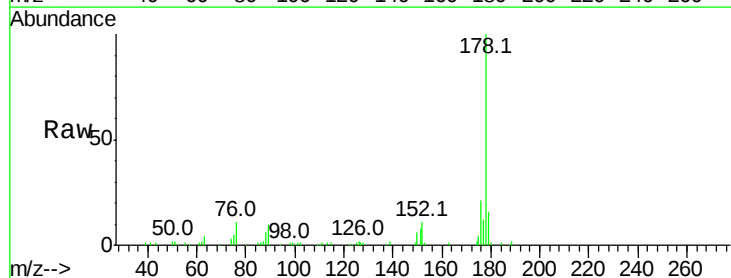
RT: 10.95 min Scan# 1557

Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

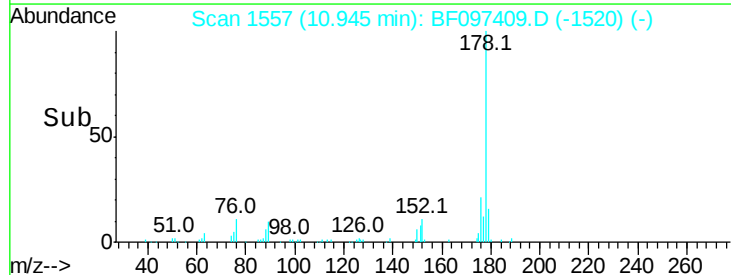
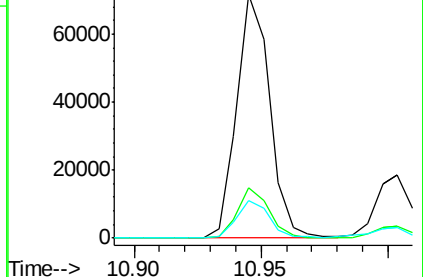
Tgt Ion:	178	Resp:	65140
Ion Ratio	Lower	Upper	
178	100		
176	20.9	16.2	24.4
179	15.7	12.6	19.0

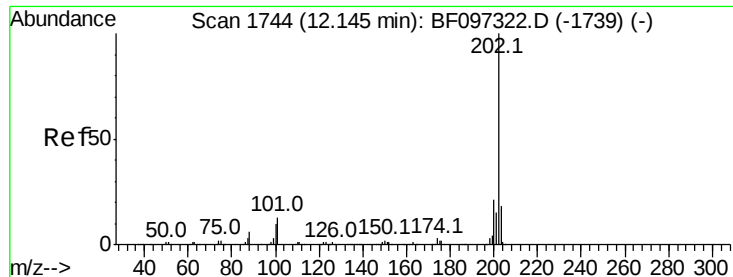


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.306 ng

RT: 12.13 min Scan# 1758

Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Instrument :

BNA_F

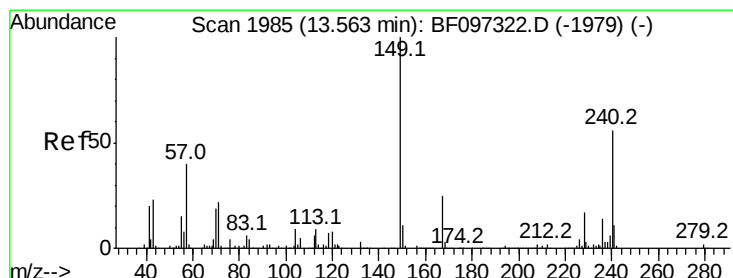
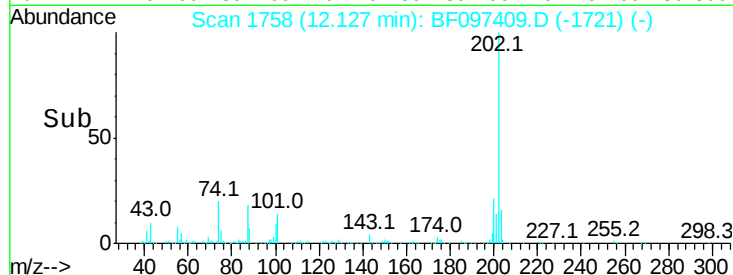
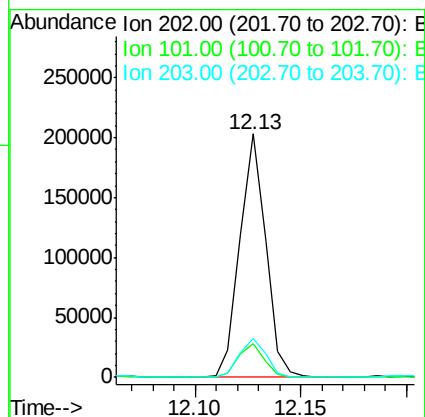
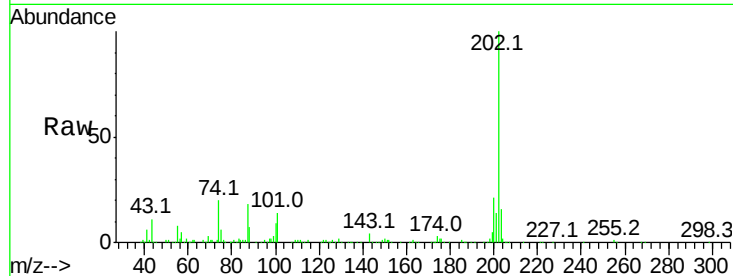
ClientSampled :

TR-05-080317

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.8	0.0	33.2		
203	15.9	0.0	38.1		

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM



#75

Chrysene-d12

Concen: 20.000 ng

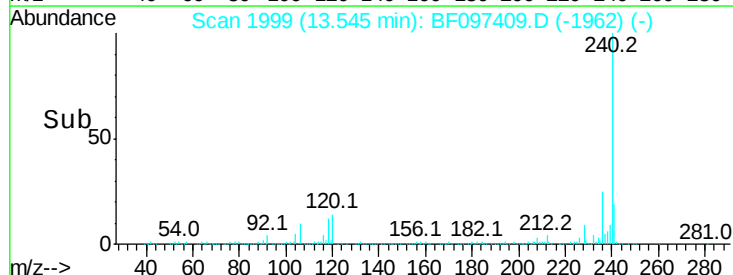
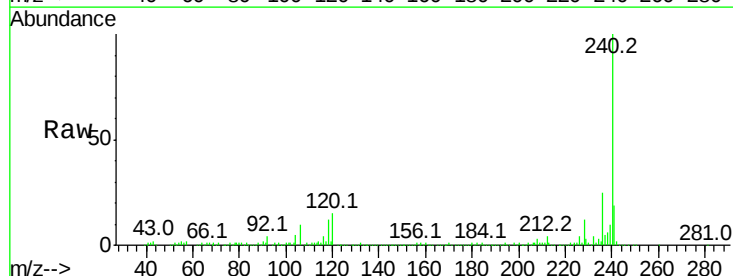
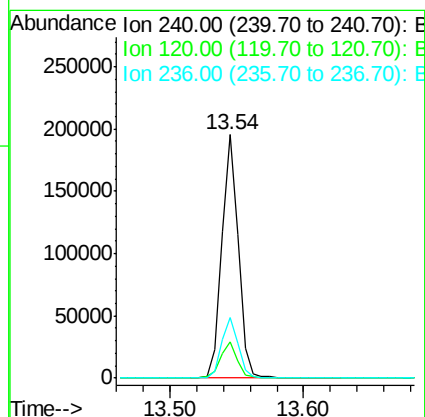
RT: 13.54 min Scan# 1999

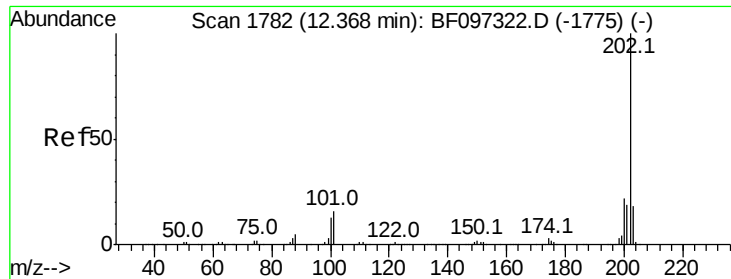
Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.7	5.8	8.8#		
236	25.0	20.5	30.7		





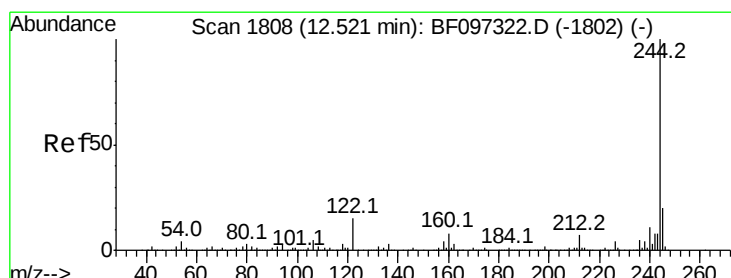
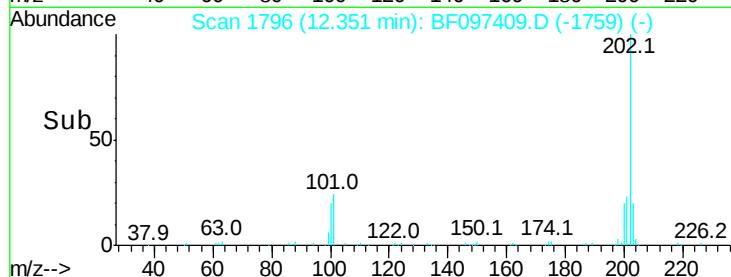
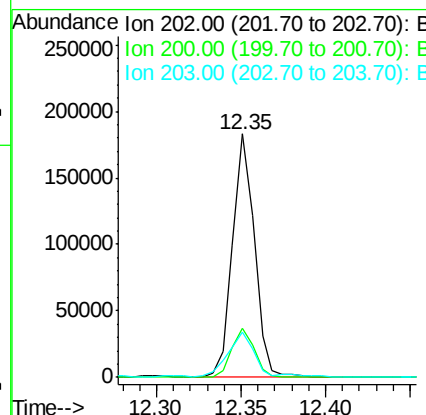
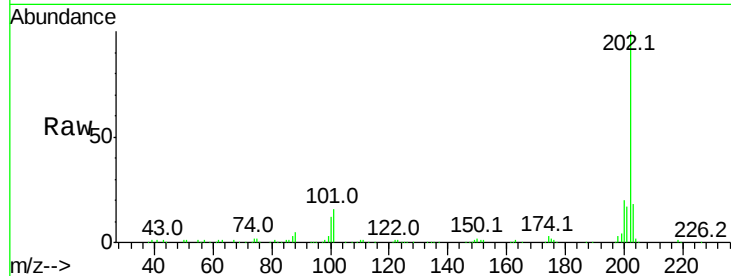
#77
Pvrene
Concen: 11.722 ng
RT: 12.35 min Scan# 1796
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampled :
TR-05-080317

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.6	26.4
203	18.4	14.4	21.6

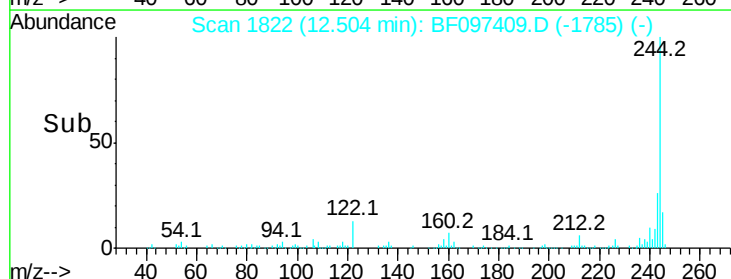
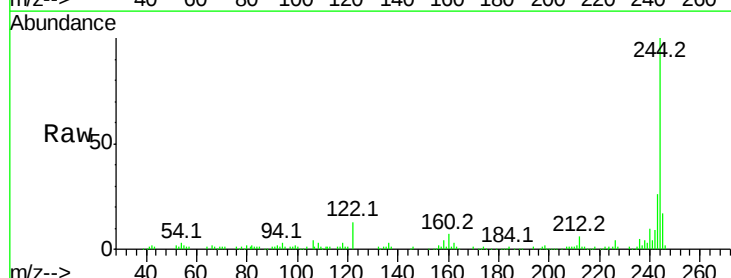
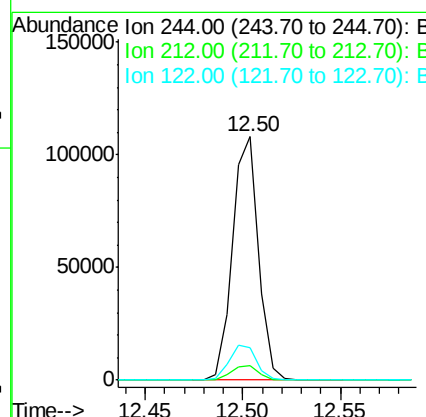
Manual Integrations
APPROVED

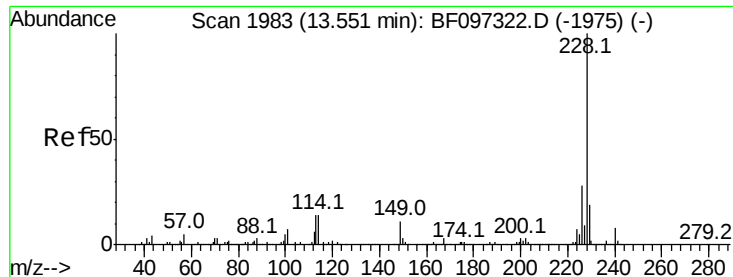
Sohil
8/7/2017 6:00:56 PM



#78
Terphenyl-d14
Concen: 11.746 ng
RT: 12.50 min Scan# 1822
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	6.0	9.0
122	13.1	10.3	15.5





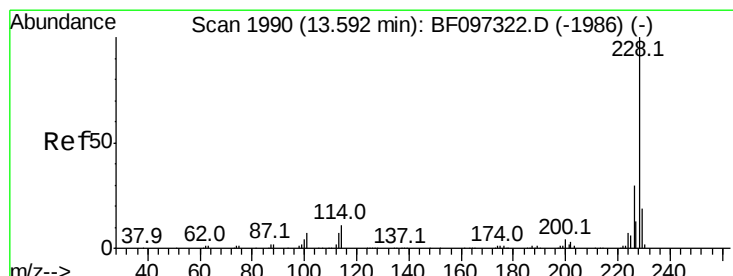
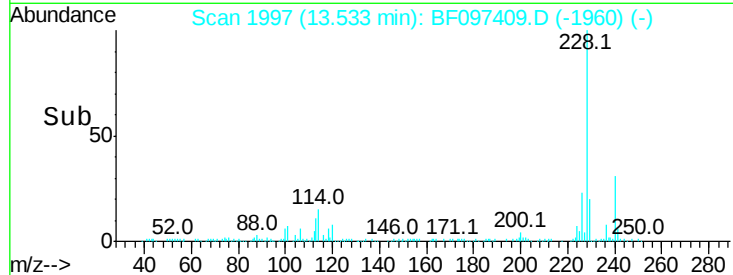
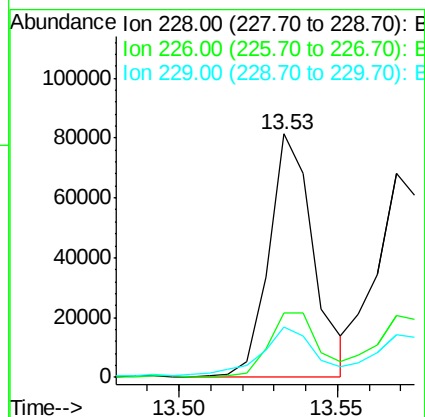
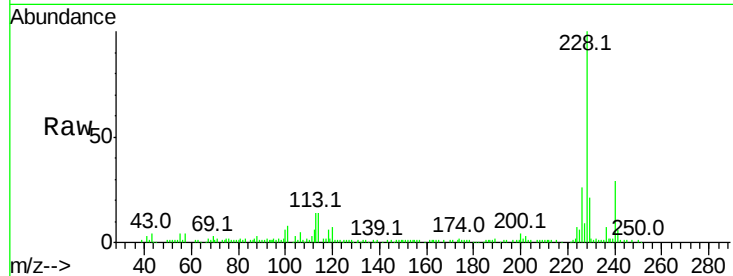
#80
Benzo(a)anthracene
Concen: 7.185 ng
RT: 13.53 min Scan# 1997
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
TR-05-080317

Tot Ion:228	Resp:	79851
Ion Ratio	Lower	Upper
228 100		
226 26.3	22.6	33.8
229 20.7	16.3	24.5

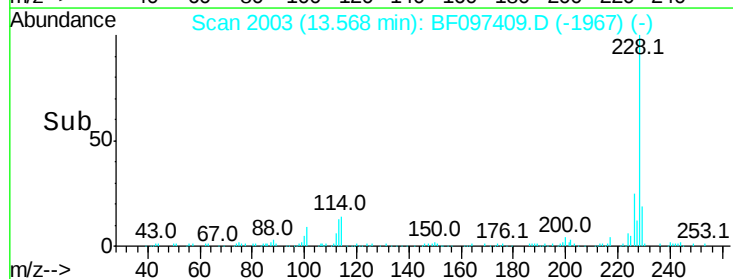
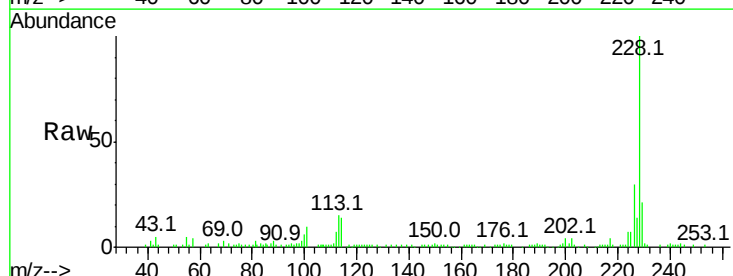
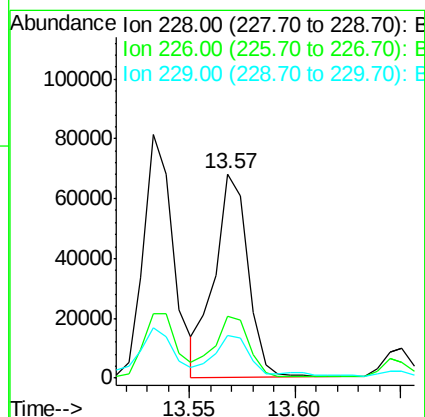
Manual Integrations
APPROVED

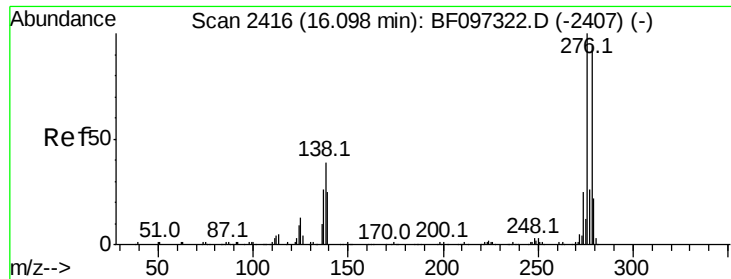
Sohil
8/7/2017 6:00:56 PM



#82
Chrysene
Concen: 6.874 ng
RT: 13.57 min Scan# 2003
Delta R.T. -0.09 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:228	Resp:	74600
Ion Ratio	Lower	Upper
228 100		
226 30.3	24.9	37.3
229 21.2	15.8	23.6





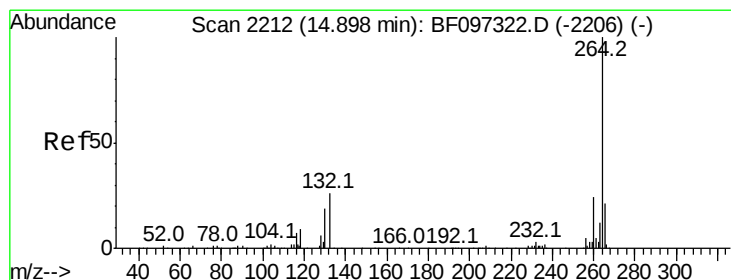
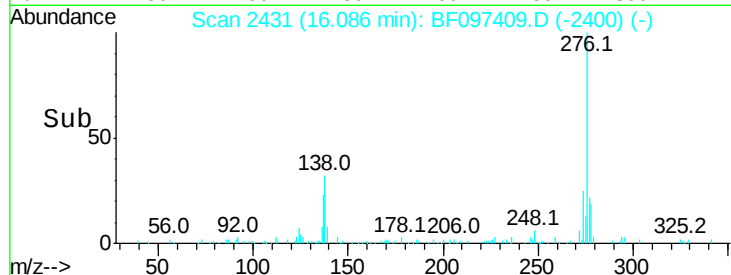
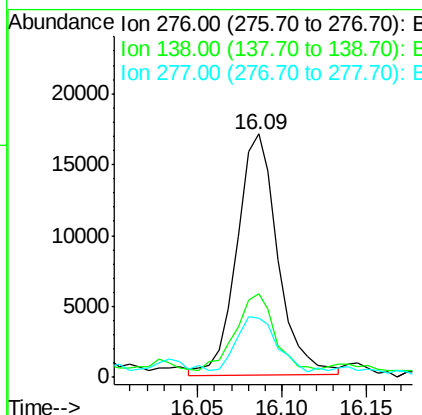
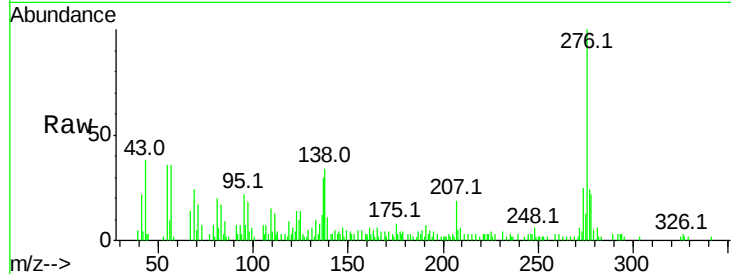
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.078 ng
 RT: 16.09 min Scan# 2431
 Delta R.T. -0.12 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080317

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.2	27.8	41.6
277	23.0	20.2	30.4

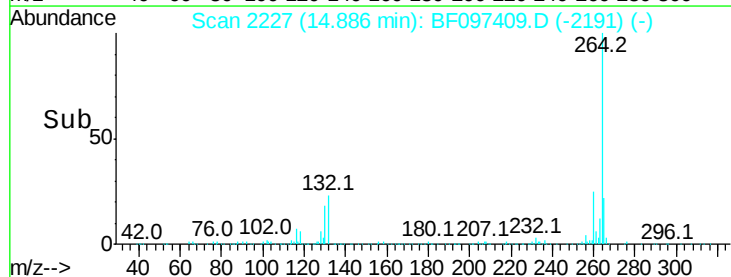
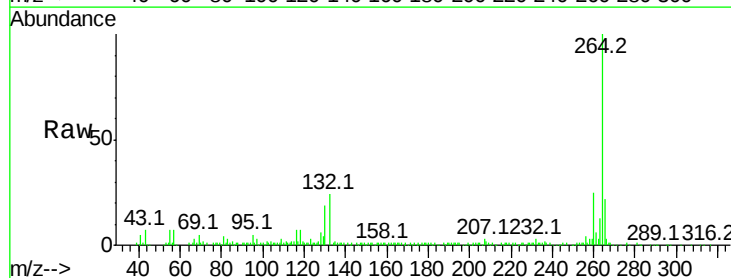
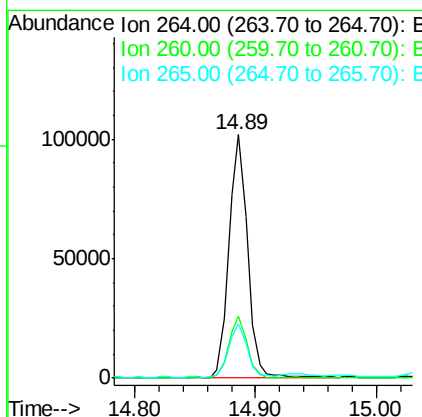
Manual Integrations
 APPROVED

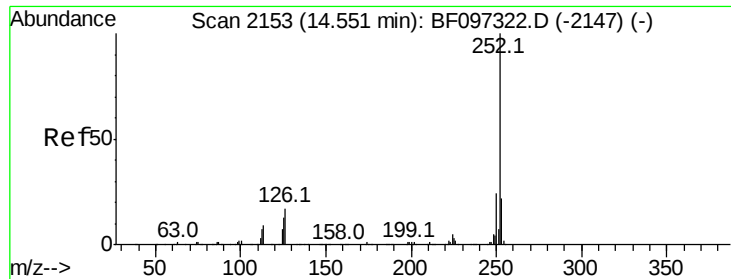
Sohil
 8/7/2017 6:00:56 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.89 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF097409.D
 Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.319 ng m

RT: 14.54 min Scan# 2168

Delta R.T. -0.08 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Instrument :

BNA_F

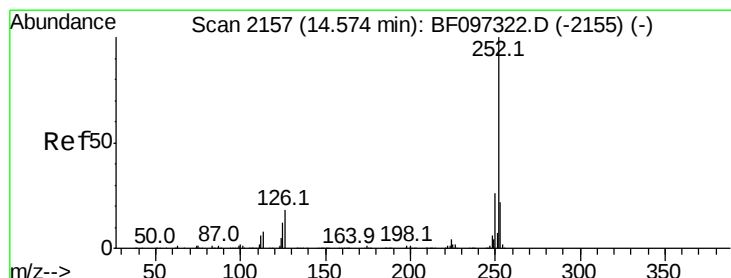
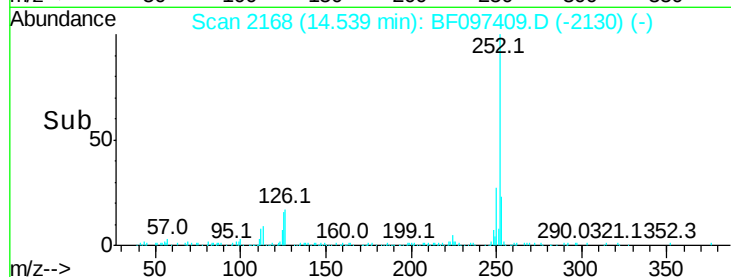
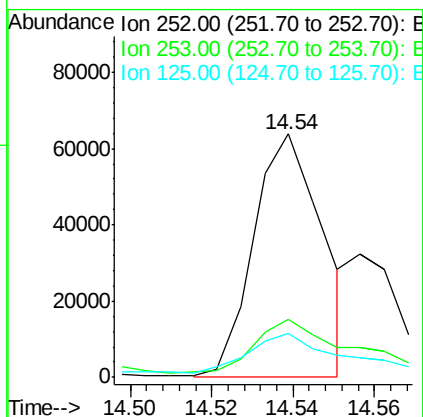
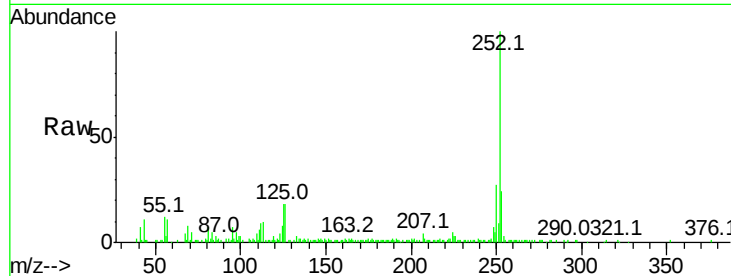
ClientSampleId :

TR-05-080317

Tot Ion:252	Resp:	74966
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.1 27.1
125	18.3	9.8 14.8#

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM



#88

Benzo(k)fluoranthene

Concen: 4.341 ng m

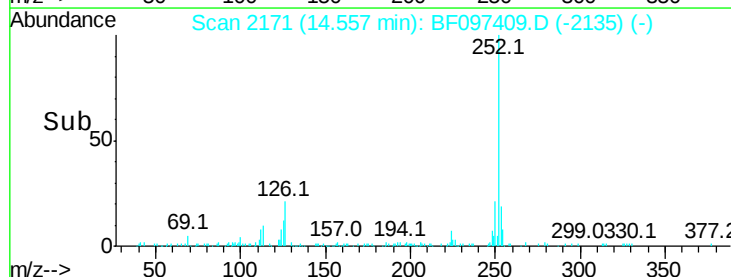
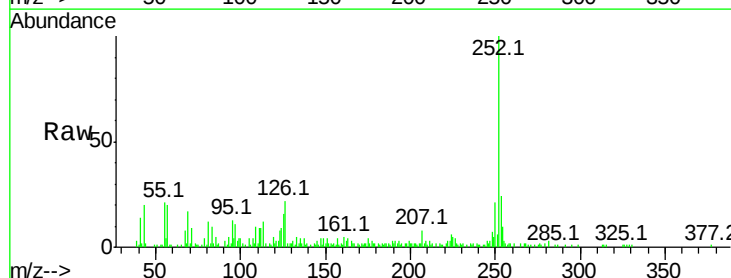
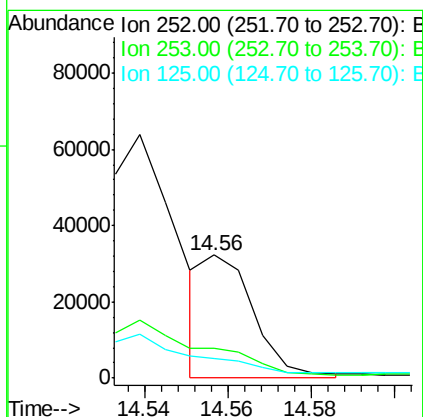
RT: 14.56 min Scan# 2171

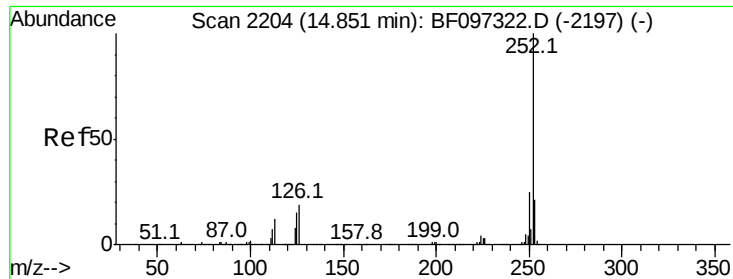
Delta R.T. -0.09 min

Lab File: BF097409.D

Acq: 5 Aug 2017 20:47

Tgt Ion:252	Resp:	27398
Ion Ratio	Lower	Upper
252	100	
253	24.1	18.4 27.6
125	15.7	13.1 19.7





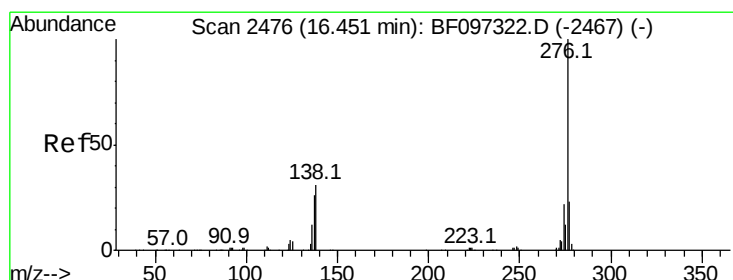
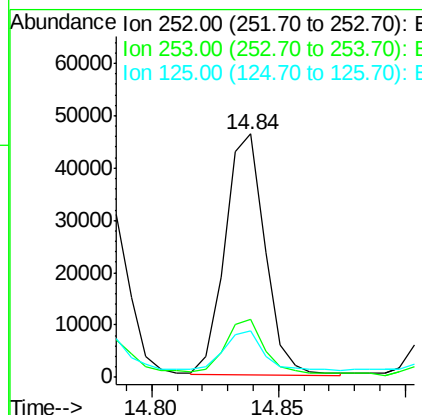
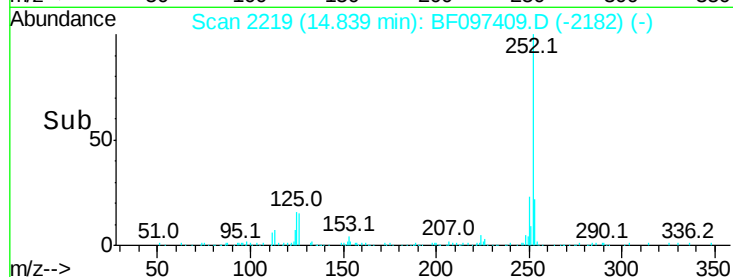
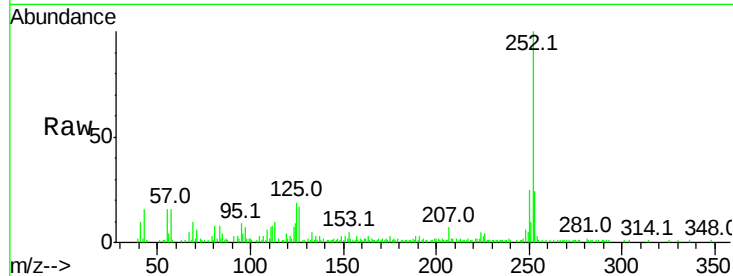
#89
Benzo(a)pyrene
Concen: 8.348 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
TR-05-080317

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	18.9	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:56 PM



#91
Benzo(g,h,i)perylene
Concen: 5.778 ng
RT: 16.44 min Scan# 2491
Delta R.T. -0.13 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.6	28.0
138	30.2	25.4	38.0

