

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097657.D
 Acq On : 13 Aug 2017 5:41
 Operator : SJ/JU
 Sample : I4697-06DL 250X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:16 PM

Quant Time: Aug 14 07:39:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	120723	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	499157	20.00	ng	0.00
38) Acenaphthene-d10	12.35	164	195365	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	270590	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	191239	20.00	ng	-0.01
86) Perylene-d12	20.11	264	181611	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	8.61	82	259	0.03	ng	0.19
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.32	172	2327	0.18	ng	0.00
78) Terphenyl-d14	17.11	244	1349	0.15	ng	-0.01
Target Compounds						
31) Naphthalene	9.56	128	777071	31.080	ng	Qvalue 100
37) 2-Methylnaphthalene	10.69	142	65092	4.138	ng	98
45) 1,1'-Biphenyl	11.46	154	58161	3.470	ng	95
51) Acenaphthene	12.40	154	242881	19.809	ng	97
54) Dibenzofuran	12.70	168	208455	12.144	ng	99
57) Fluorene	13.24	166	178599	12.652	ng	98
70) Phenanthrene	14.79	178	755448	48.473	ng	99
71) Anthracene	14.87	178	208628	13.084	ng	97
72) Carbazole	15.18	167	39660	2.613	ng	97
74) Fluoranthene	16.55	202	439379	31.200	ng	98
77) Pyrene	16.86	202	350039	22.134	ng	99
80) Benzo(a)anthracene	18.44	228	141918m	12.706	ng	
82) Chrysene	18.48	228	106575	9.593	ng	99
85) Indeno(1,2,3-cd)pyrene	21.34	276	50940	5.895	ng	97
87) Benzo(b)fluoranthene	19.71	252	133599	12.251	ng	# 96
88) Benzo(k)fluoranthene	19.74	252	49967m	4.549	ng	
89) Benzo(a)pyrene	20.06	252	115367	11.526	ng	# 96
91) Benzo(g,h,i)perylene	21.69	276	44933	5.715	ng	# 88

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

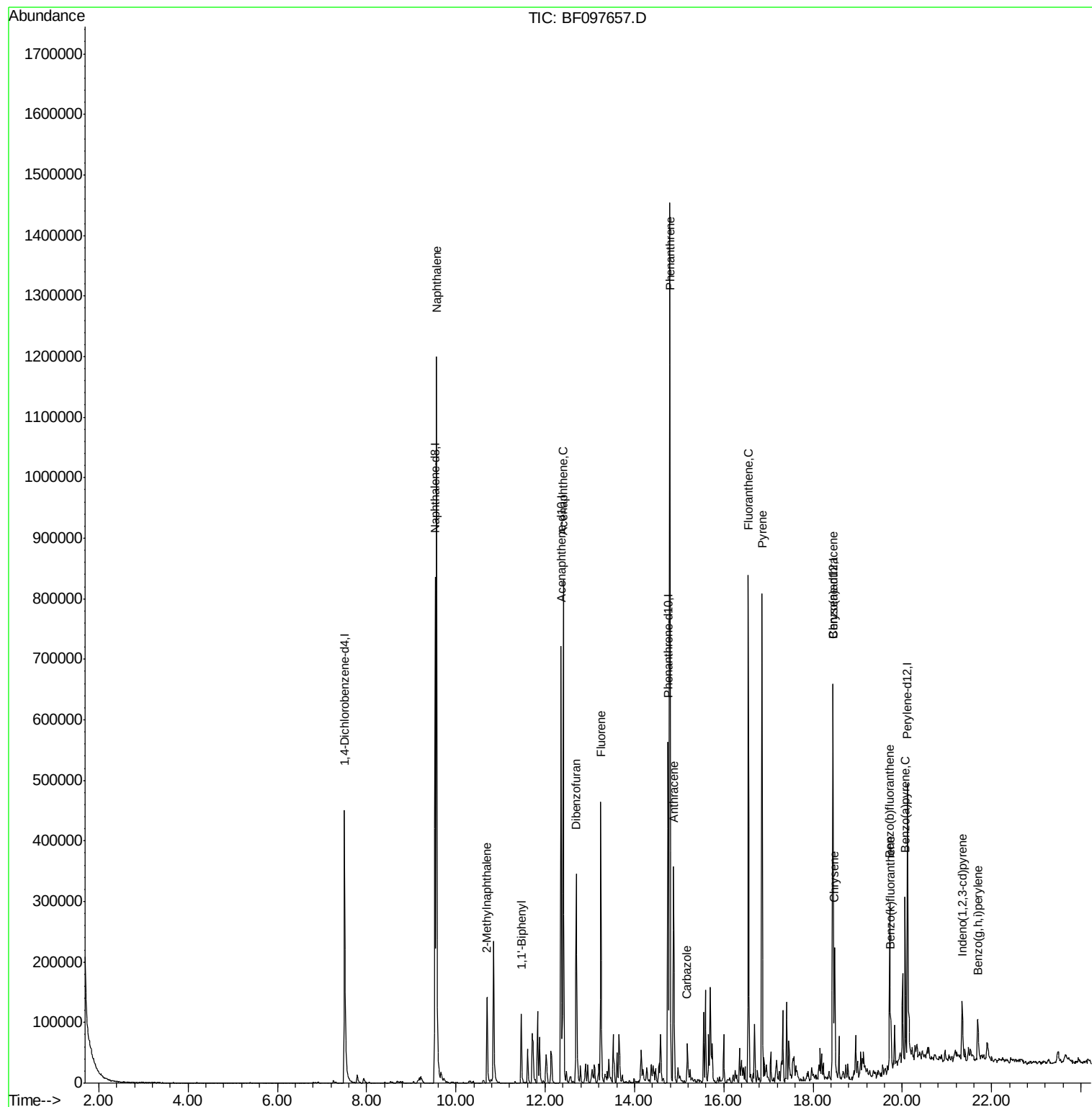
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097657.D
Acq On : 13 Aug 2017 5:41
Operator : SJ/JU
Sample : I4697-06DL 250X
Misc :
ALS Vial : 24 Sample Multiplier: 1

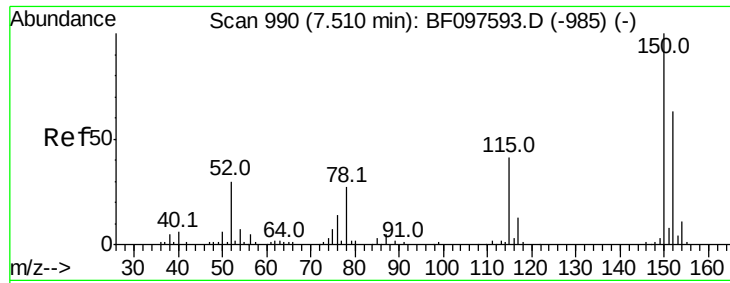
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:16 PM

Quant Time: Aug 14 07:39:00 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration





#1

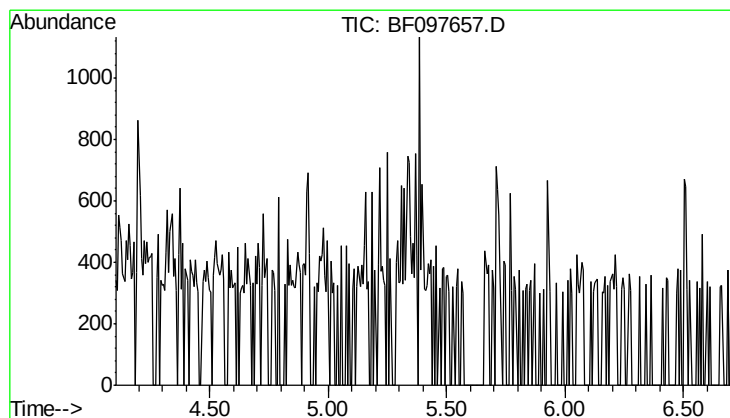
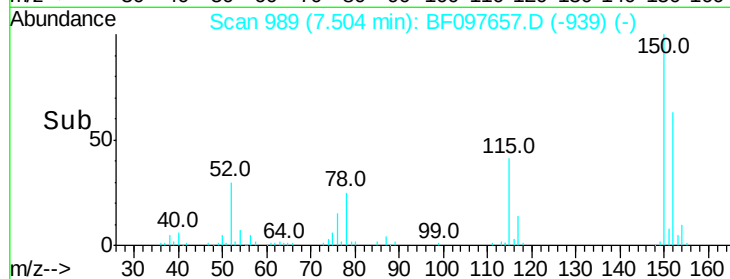
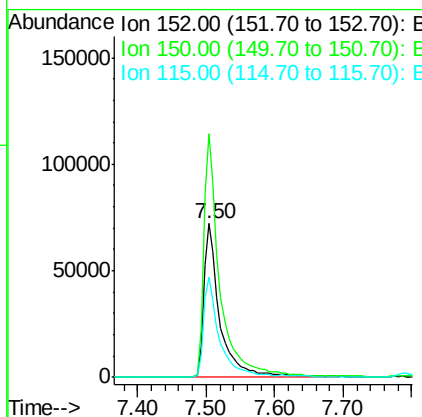
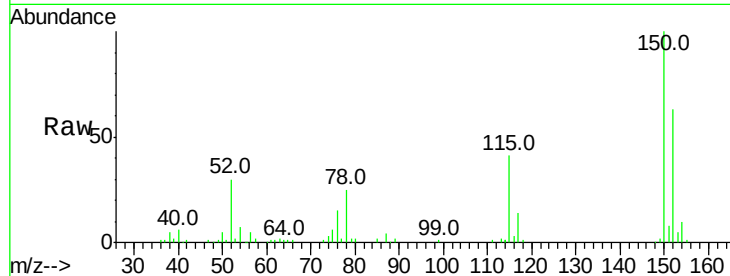
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.50 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	65.0	52.2	78.2

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:16 PM

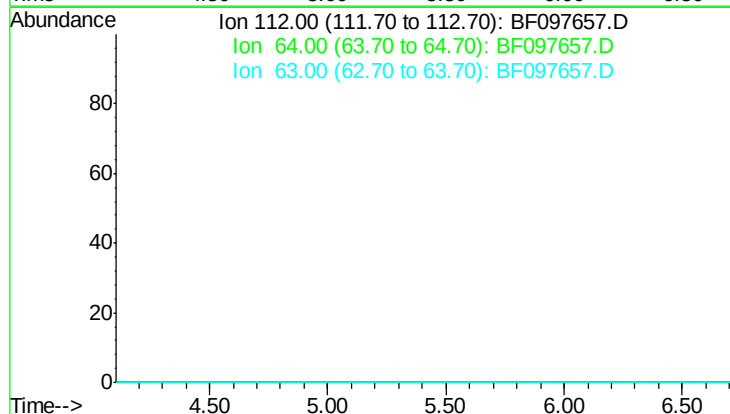


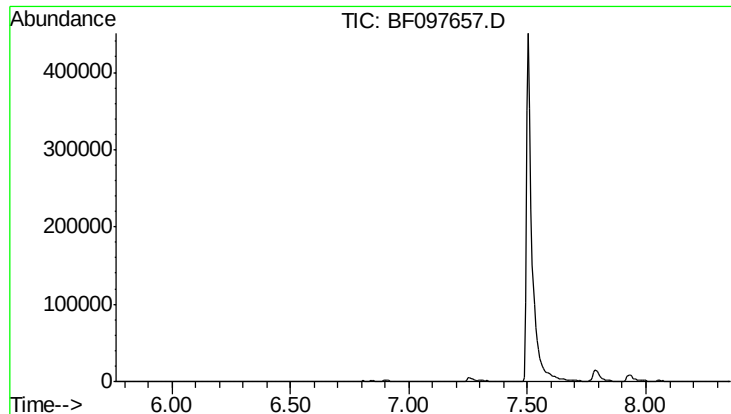
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.40 min

Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Tgt Ion	Exp Ratio
112	100
64	57.5
63	29.2





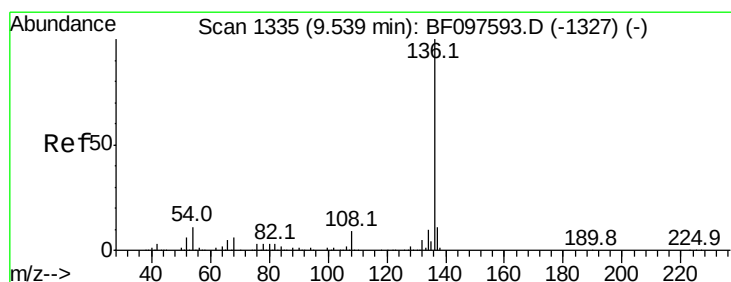
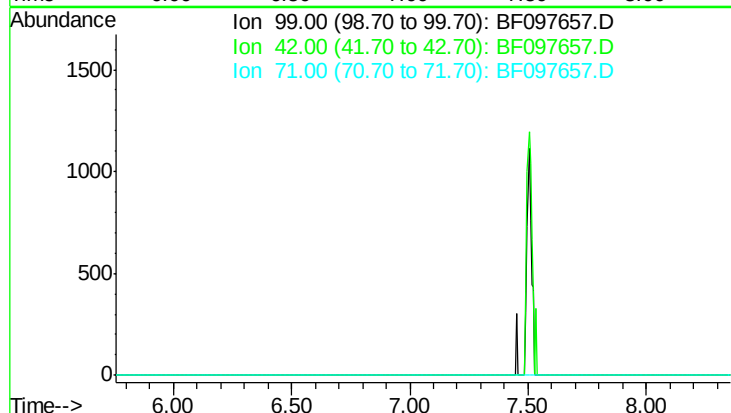
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.06 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Manual Integrations
 APPROVED

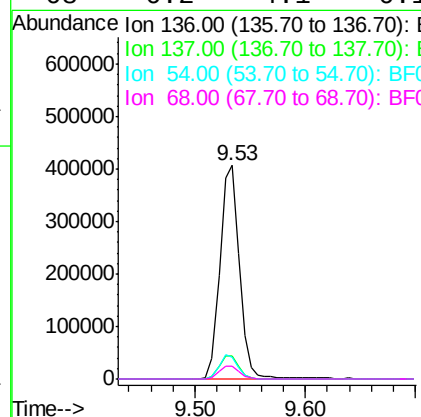
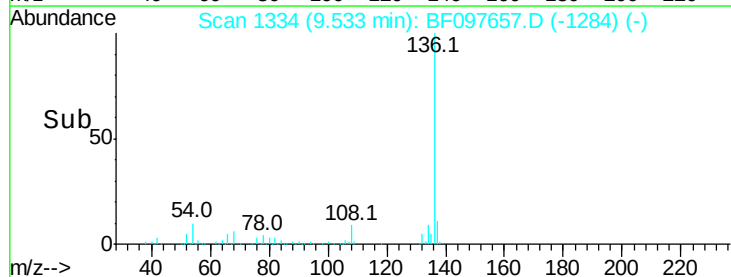
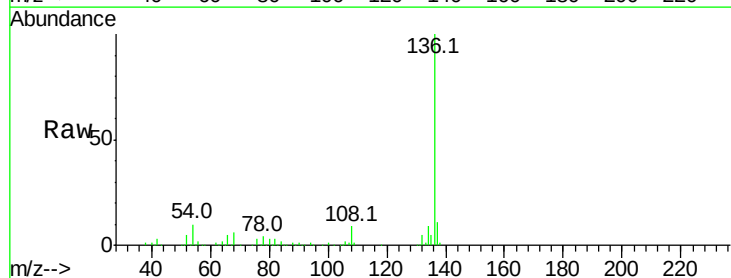
sohil
 8/14/2017 7:07:16 PM

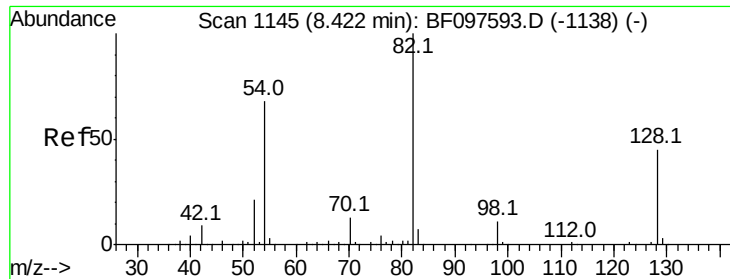
Tot Ion	99
Sig	Exp Ratio
99	100
42	16.9
71	30.6



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Tgt Ion	136	Resp	499157
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.3	4.9	7.3#
68	6.2	4.1	6.1#





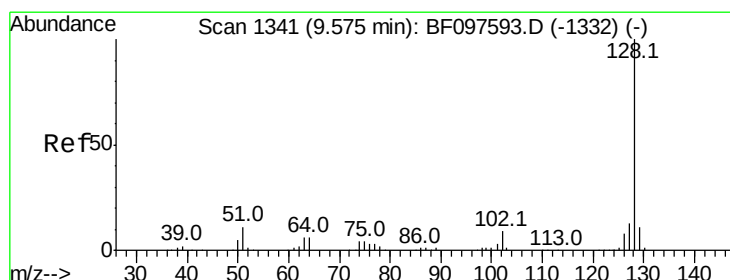
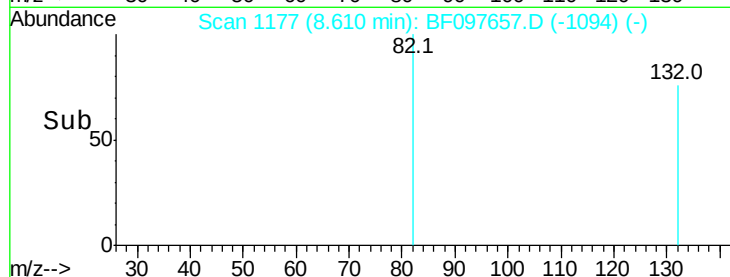
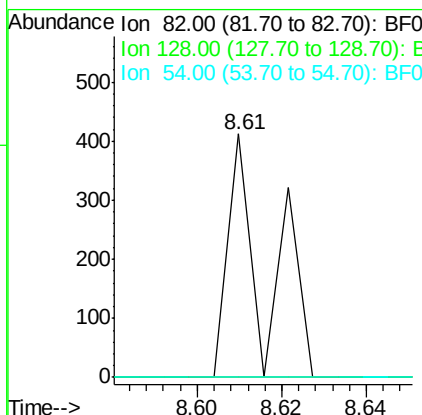
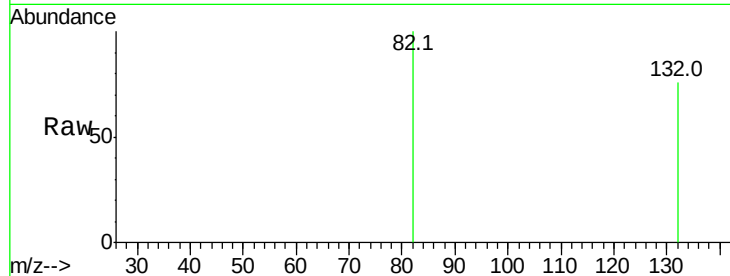
#23
 Nitrobenzene-d5
 Concen: 0.033 ng
 RT: 8.61 min Scan# 1177
 Delta R.T. 0.19 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	0.0	42.2	63.2#

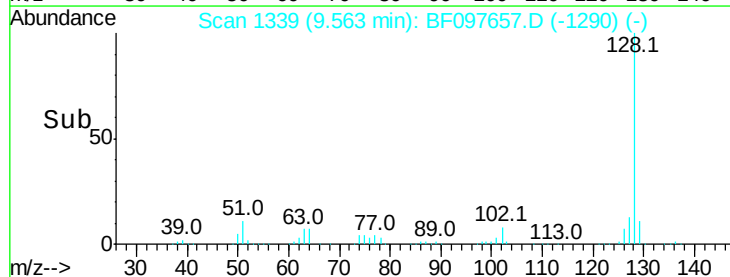
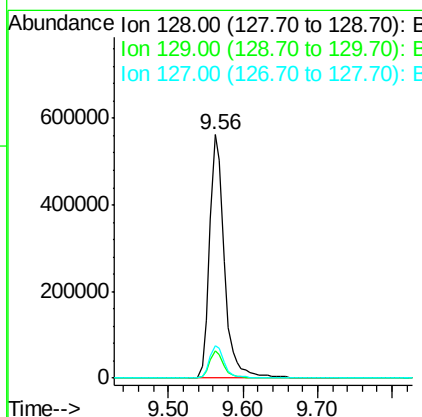
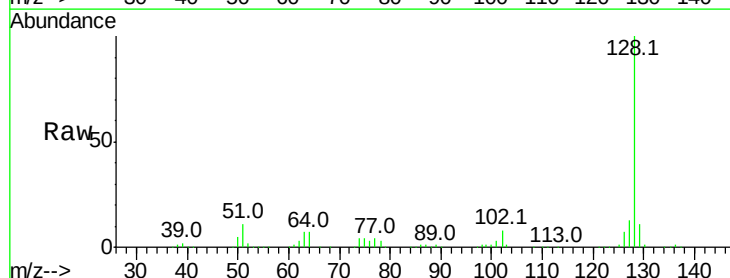
Manual Integrations
 APPROVED

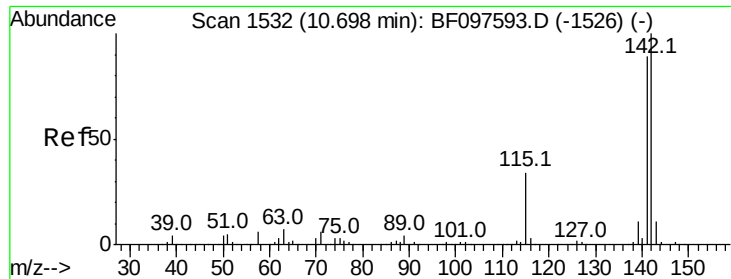
sohil
 8/14/2017 7:07:16 PM



#31
 Naphthalene
 Concen: 31.080 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.2	10.8	16.2





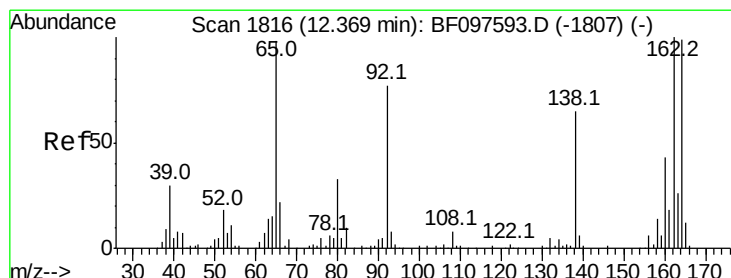
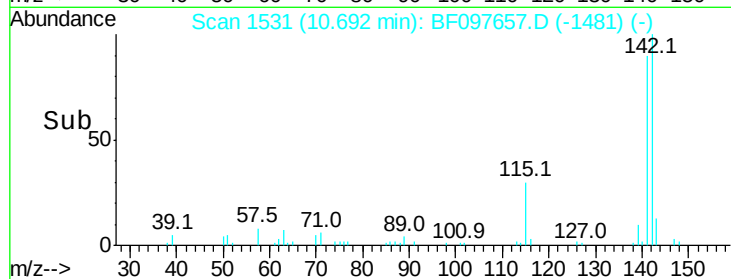
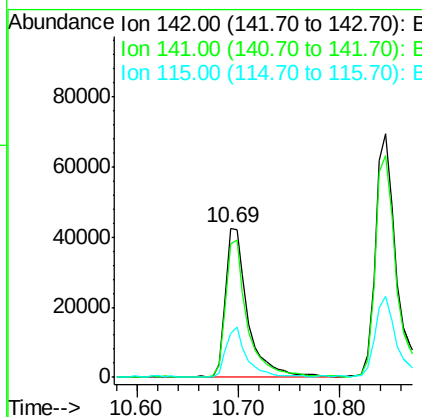
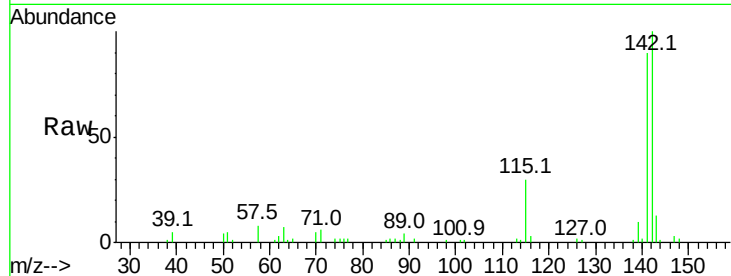
#37
 2-Methylnaphthalene
 Concen: 4.138 ng
 RT: 10.69 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	29.8	27.1	40.7

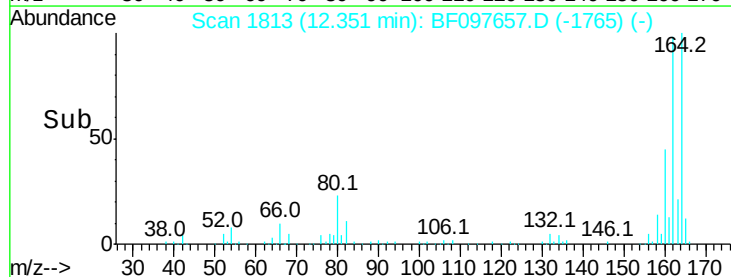
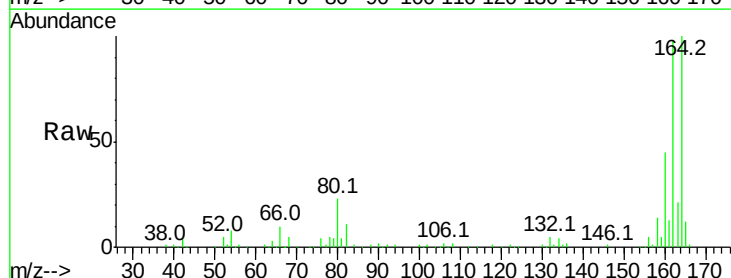
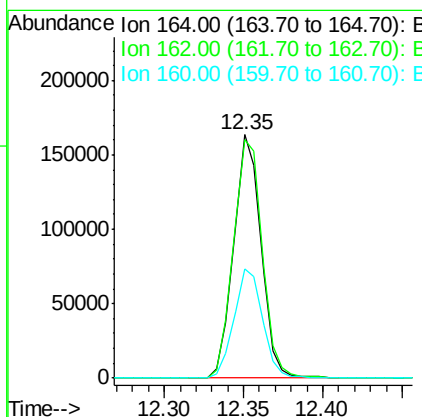
Manual Integrations
 APPROVED

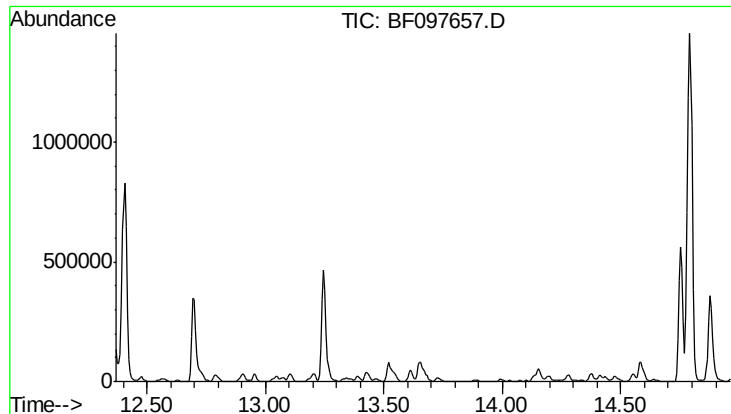
sohil
 8/14/2017 7:07:16 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	82.6	123.8
160	44.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 13.66 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

Tot Ion: 330

Sig Exp Ratio

330 100

332 95.8

141 39.3

Instrument :

BNA_F

ClientSampleId :

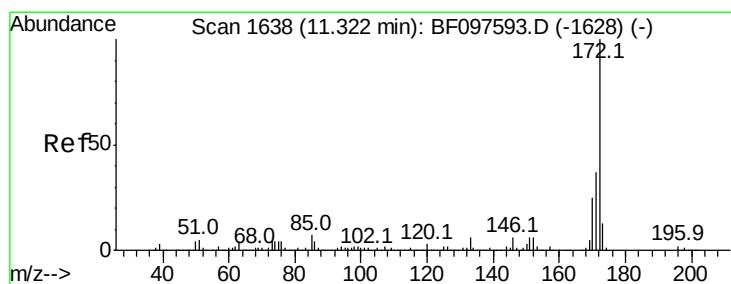
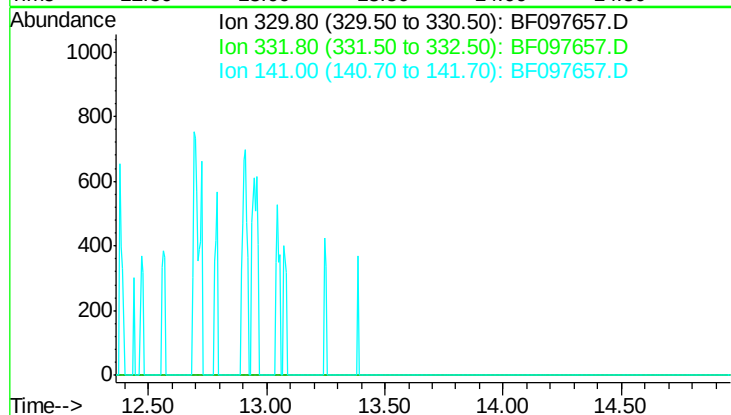
NYSEG-PH4-ESMI-3BDL

Manual Integrations

APPROVED

sohil

8/14/2017 7:07:16 PM



#44

2-Fluorobiphenyl

Concen: 0.180 ng

RT: 11.32 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

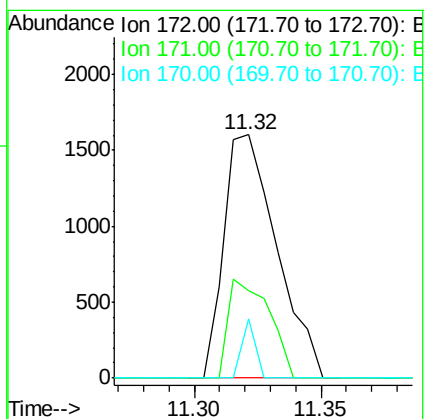
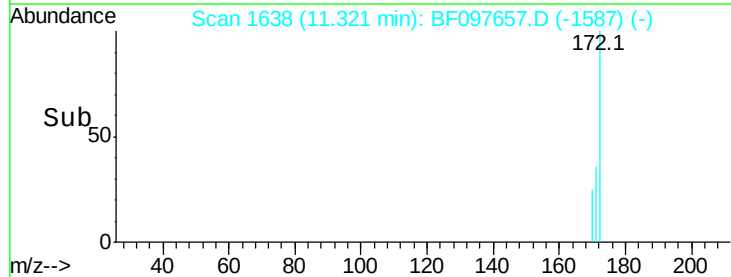
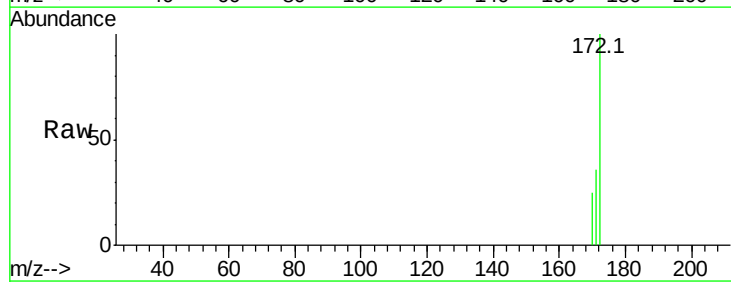
Tgt Ion: 172 Resp: 2327

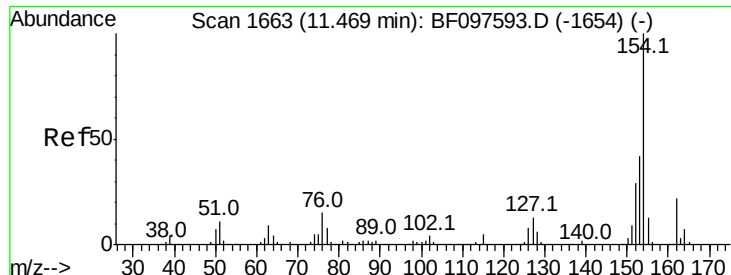
Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

170 24.5 19.8 29.8





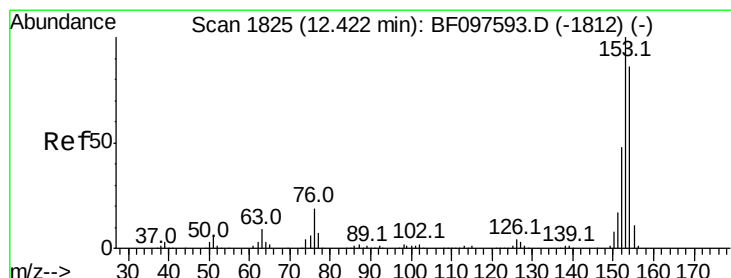
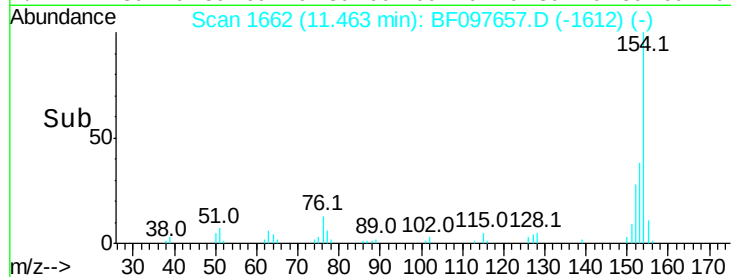
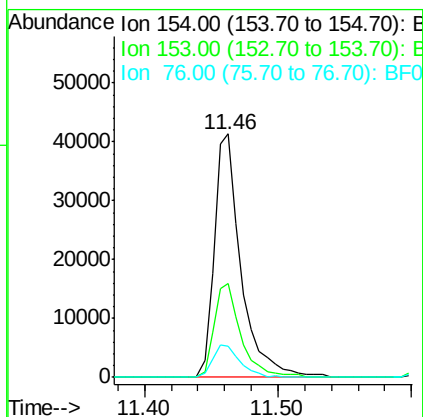
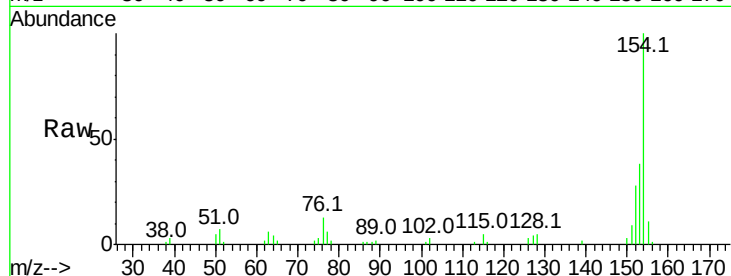
#45
 1,1'-Biphenyl
 Concen: 3.470 ng
 RT: 11.46 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.3	21.2	61.2
76	12.9	0.0	29.9

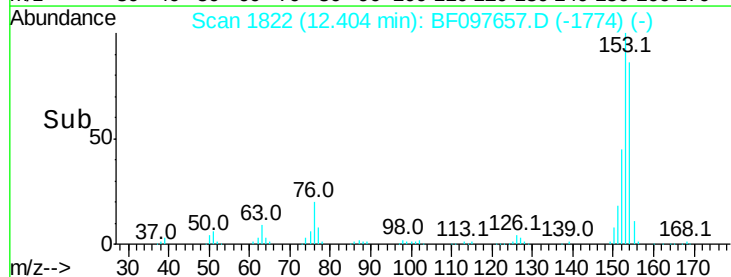
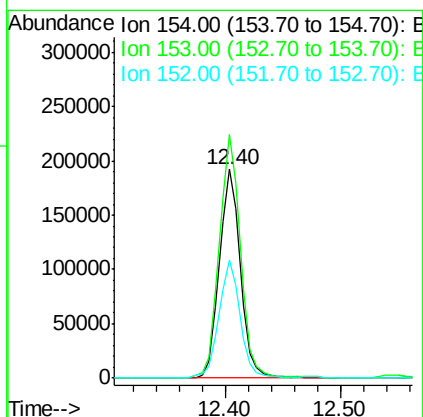
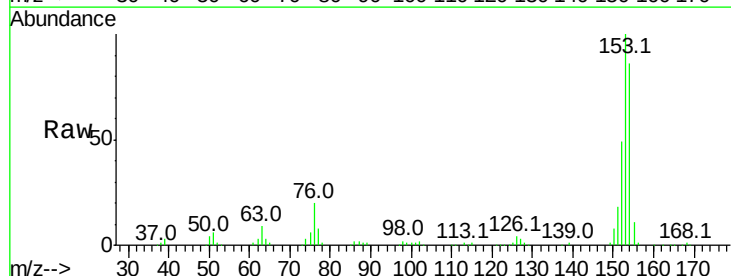
Manual Integrations
 APPROVED

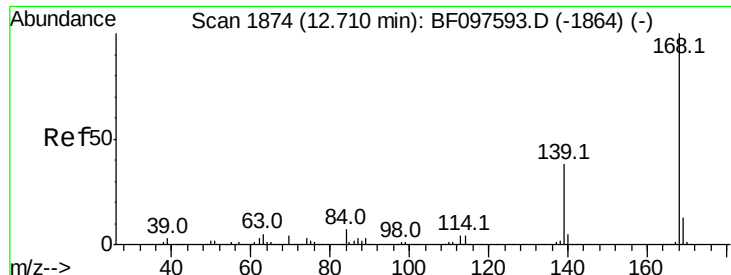
sohil
 8/14/2017 7:07:16 PM



#51
 Acenaphthene
 Concen: 19.809 ng
 RT: 12.40 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF097657.D
 Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.5	135.7
152	56.5	43.6	65.4





#54

Dibenzenofuran

Concen: 12.144 ng

RT: 12.70 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

Instrument :

BNA_F

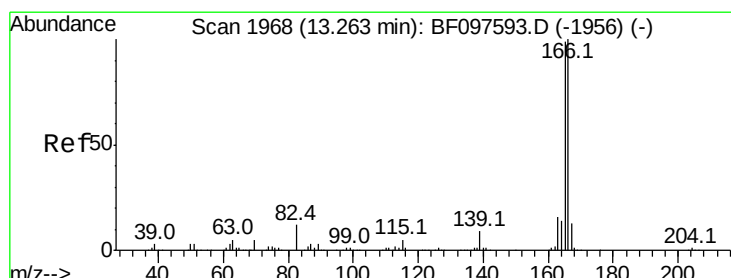
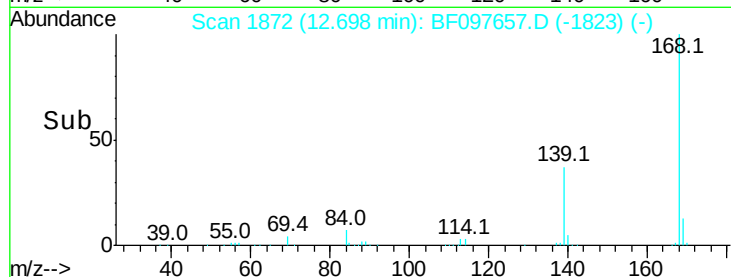
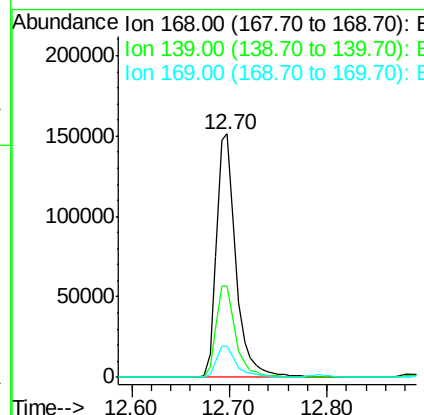
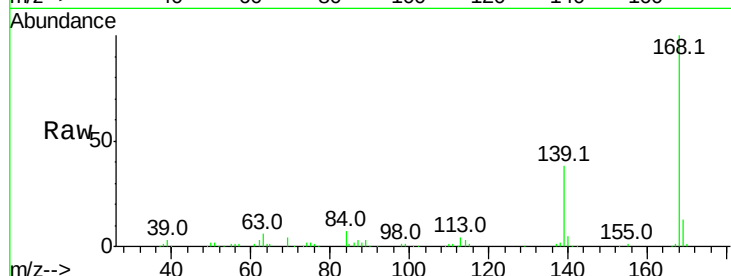
ClientSampleId :

NYSEG-PH4-ESMI-3BDL

Tot Ion:	168	Resp:	208455
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.6	45.8
169	12.8	10.8	16.2

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:16 PM



#57

Fluorene

Concen: 12.652 ng

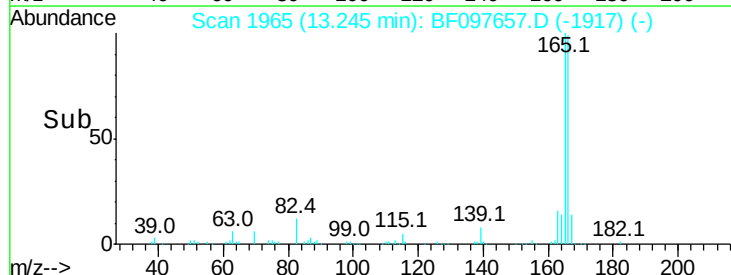
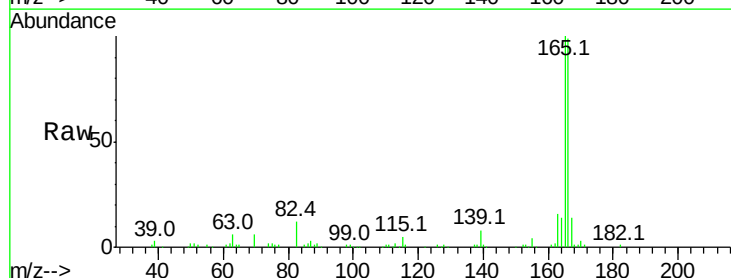
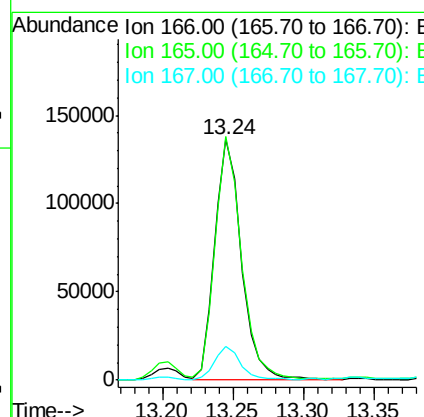
RT: 13.24 min Scan# 1965

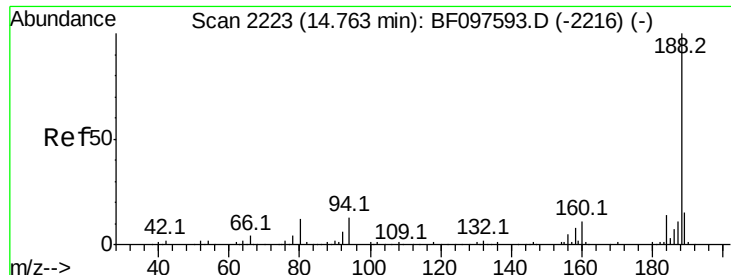
Delta R.T. -0.02 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

Tgt Ion:	166	Resp:	178599
Ion Ratio	Lower	Upper	
166	100		
165	101.0	78.8	118.2
167	13.9	10.6	16.0





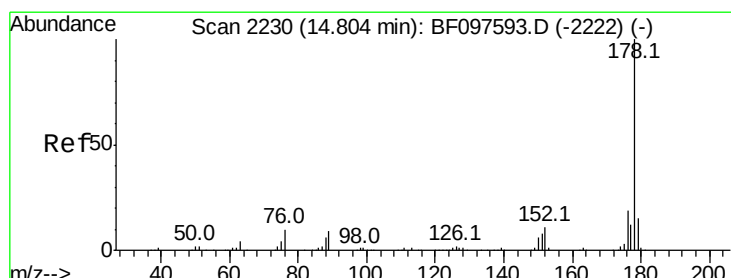
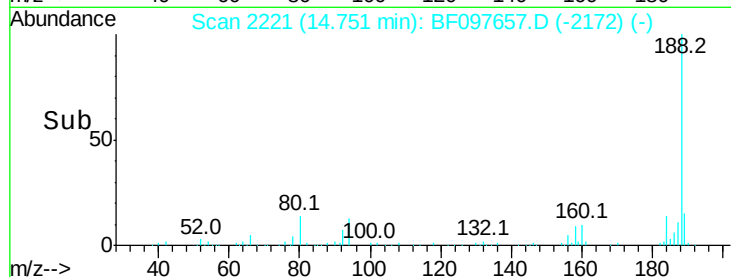
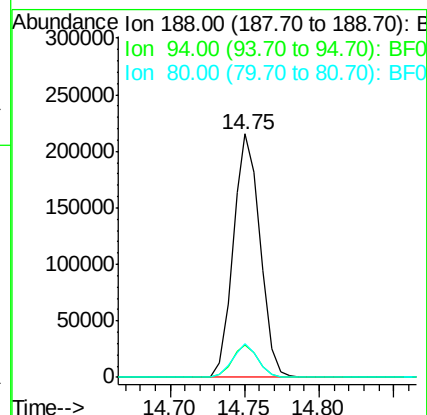
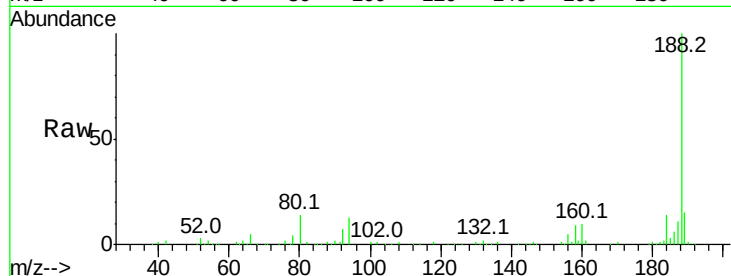
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.5	9.4	14.2
80	13.7	10.2	15.2

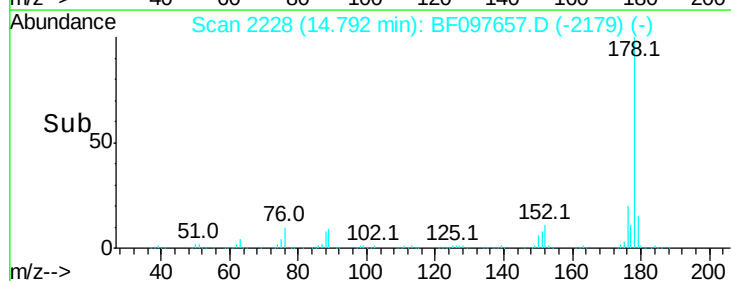
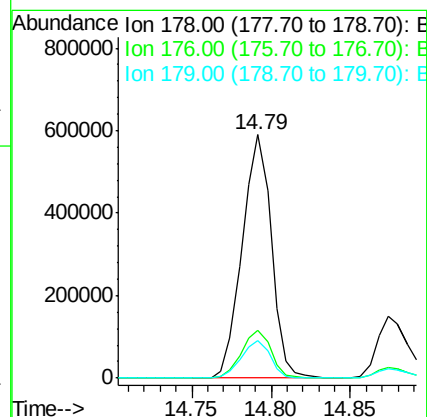
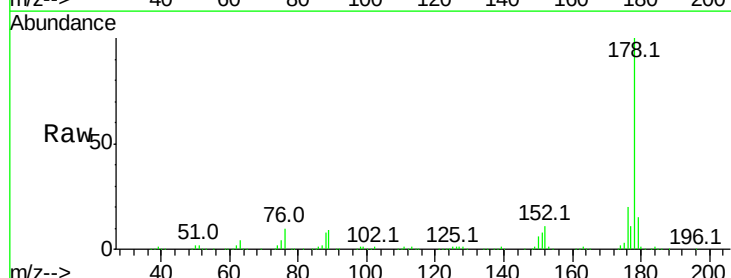
Manual Integrations
APPROVED

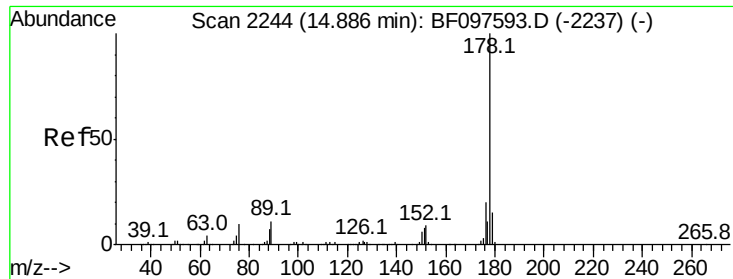
sohil
8/14/2017 7:07:16 PM



#70
Phenanthrene
Concen: 48.473 ng
RT: 14.79 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	16.2	24.4
179	15.4	12.6	19.0





#71

Anthracene

Concen: 13.084 ng

RT: 14.87 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

Instrument :

BNA_F

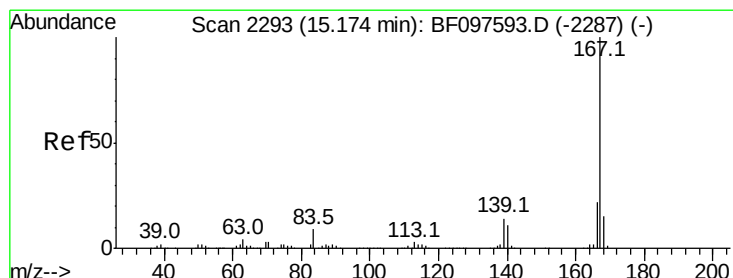
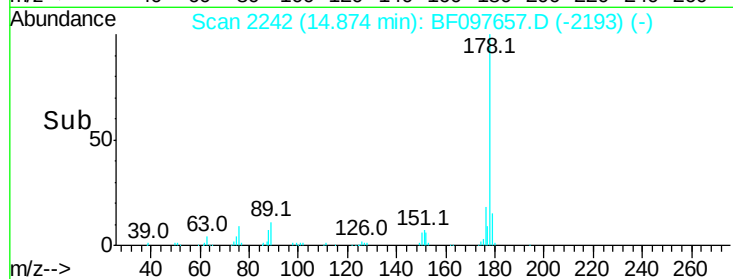
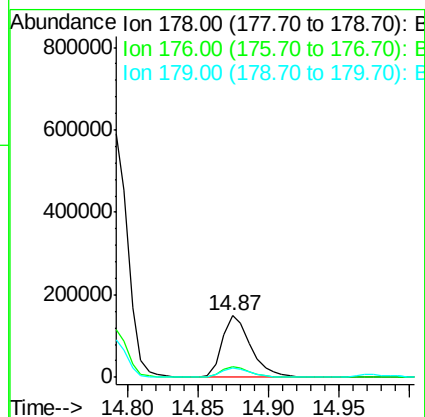
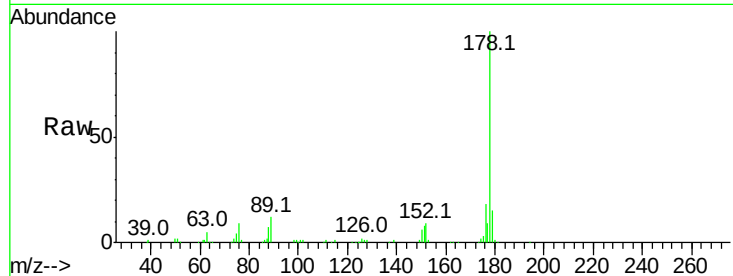
ClientSampleId :

NYSEG-PH4-ESMI-3BDL

Tot Ion:178	Resp:	208628
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.8 23.8
179	15.3	12.7 19.1

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:16 PM



#72

Carbazole

Concen: 2.613 ng

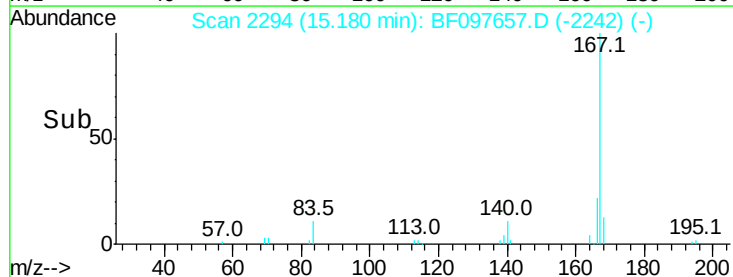
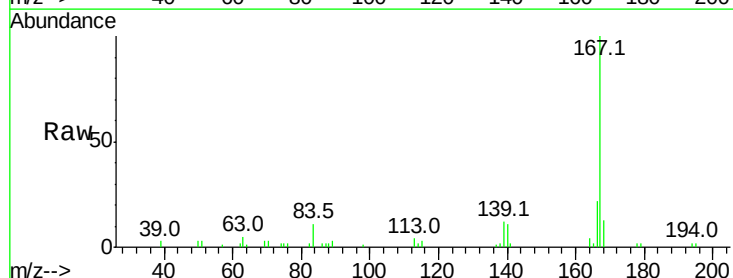
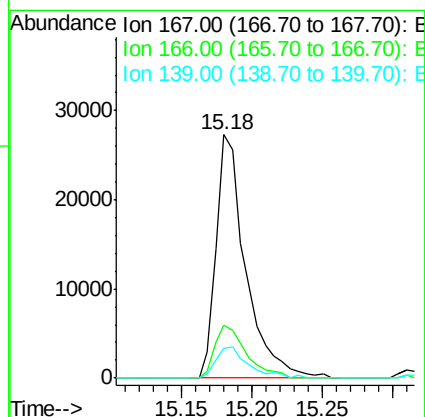
RT: 15.18 min Scan# 2294

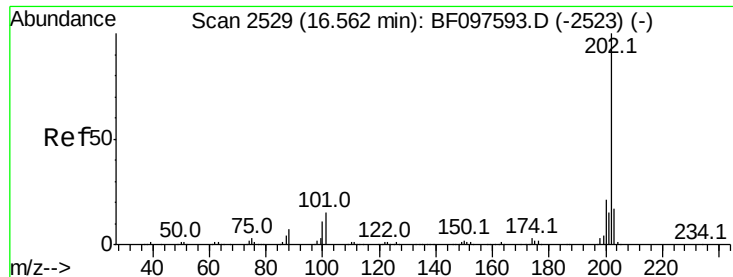
Delta R.T. 0.01 min

Lab File: BF097657.D

Acq: 13 Aug 2017 5:41

Tgt Ion:167	Resp:	39660
Ion Ratio	Lower	Upper
167	100	
166	21.9	18.1 27.1
139	12.3	11.7 17.5





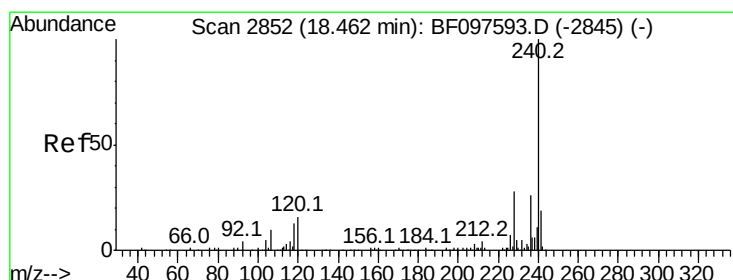
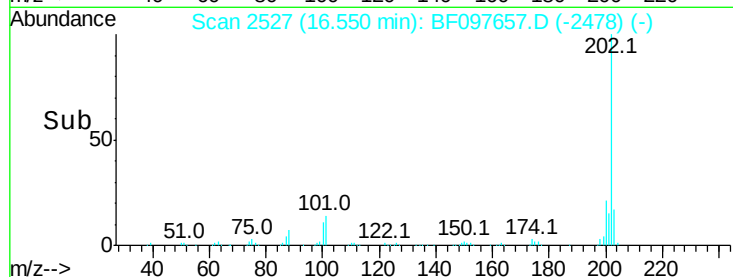
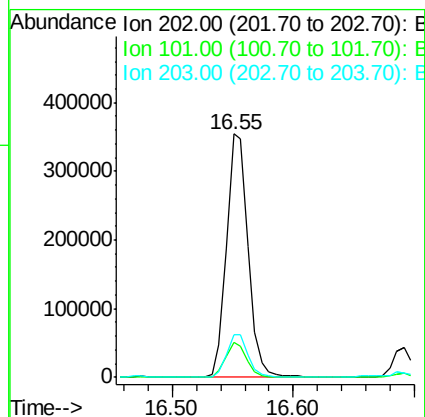
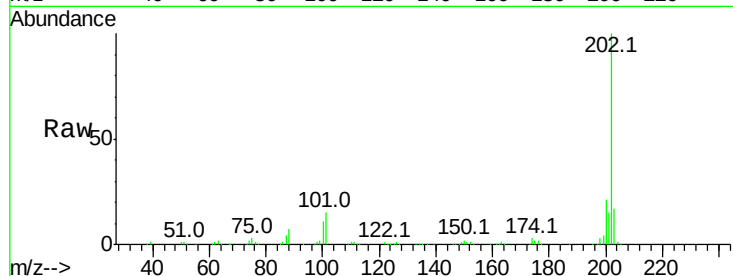
#74
Fluoranthene
Concen: 31.200 ng
RT: 16.55 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.5	0.0	38.1

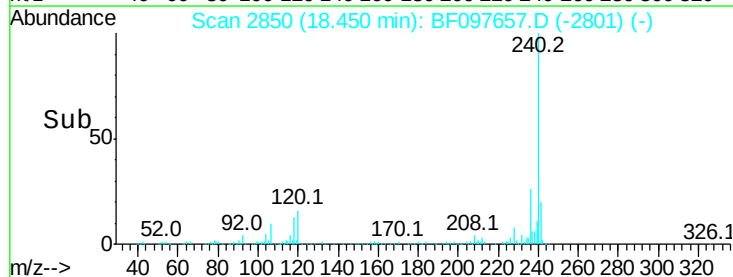
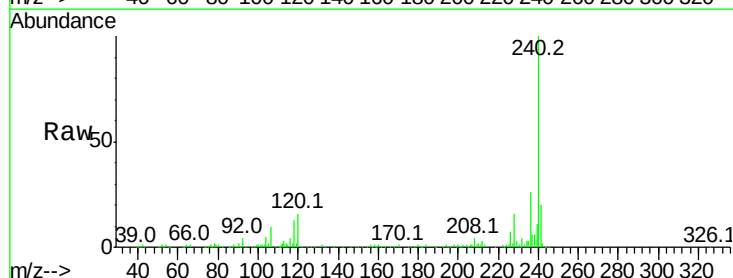
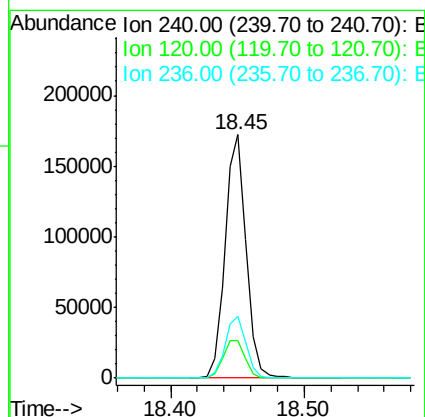
Manual Integrations
APPROVED

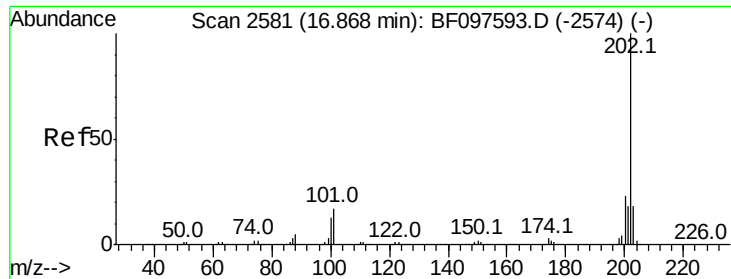
sohil
8/14/2017 7:07:16 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	25.7	20.5	30.7





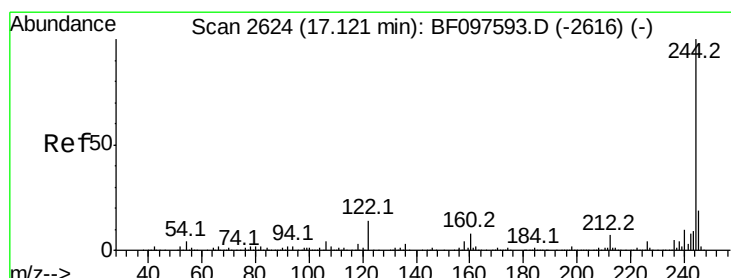
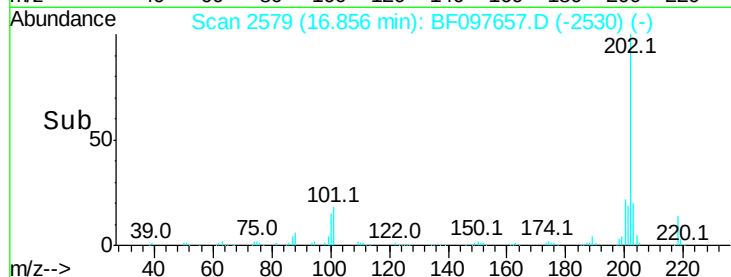
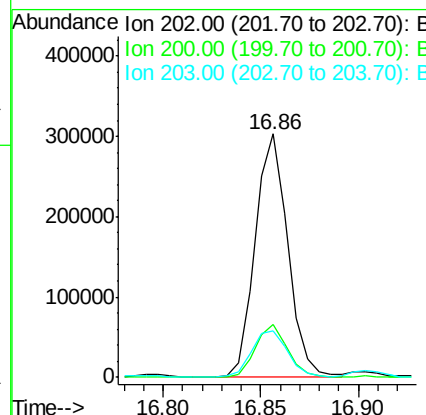
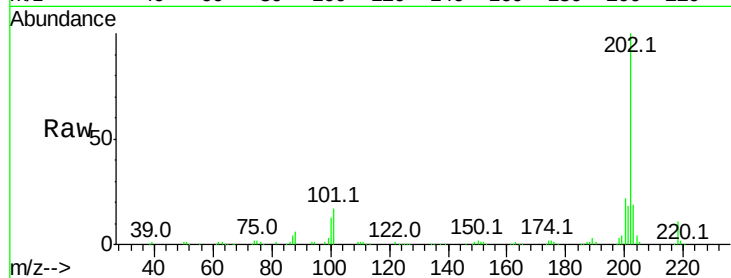
#77
Pvrene
Concen: 22.134 ng
RT: 16.86 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.1	14.4	21.6

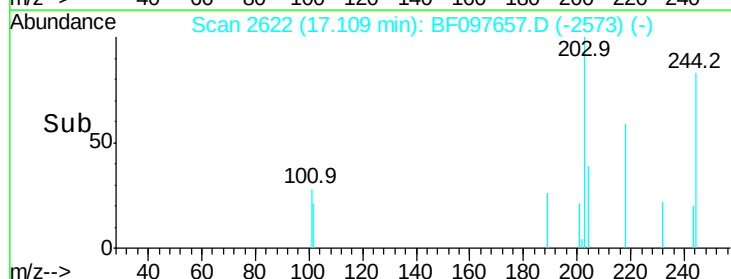
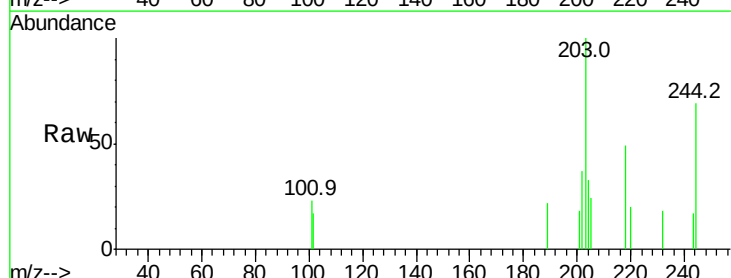
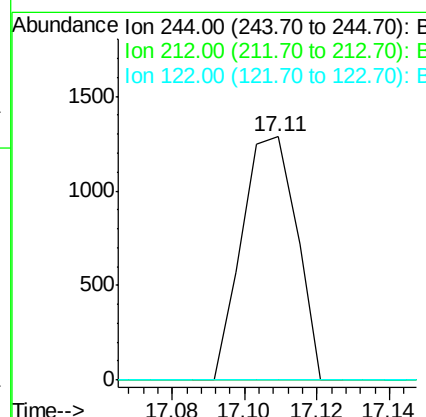
Manual Integrations
APPROVED

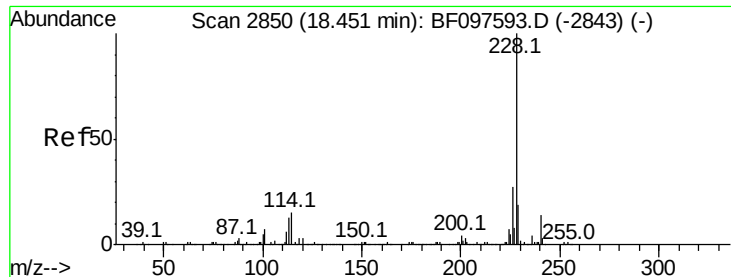
sohil
8/14/2017 7:07:16 PM



#78
Terphenyl-d14
Concen: 0.146 ng
RT: 17.11 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	0.0	10.3	15.5#





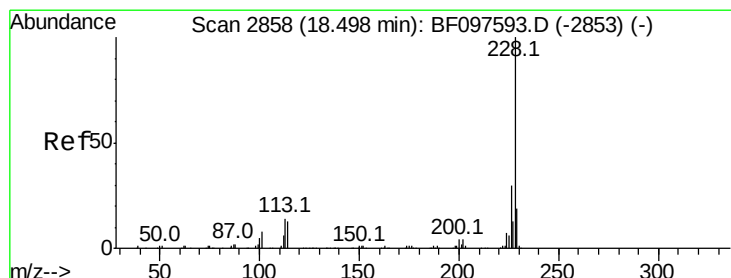
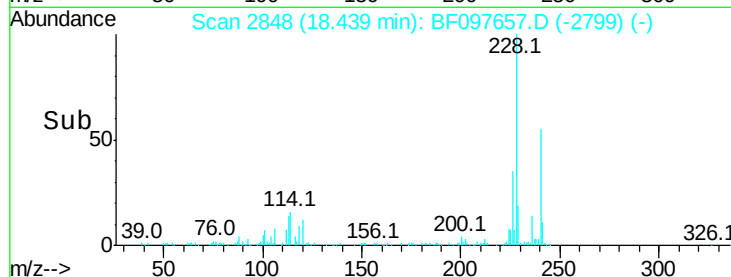
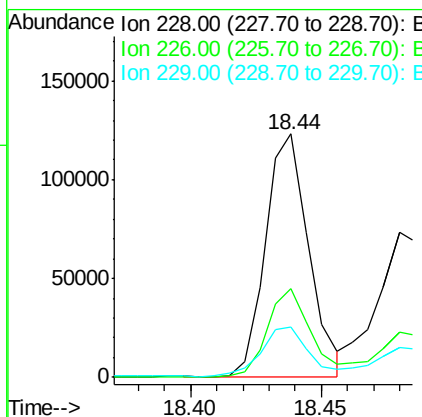
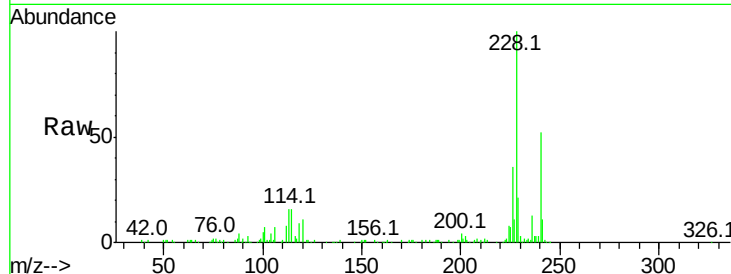
#80
Benzo(a)anthracene
Concen: 12.706 ng m
RT: 18.44 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.6	33.8#
229	20.6	16.3	24.5

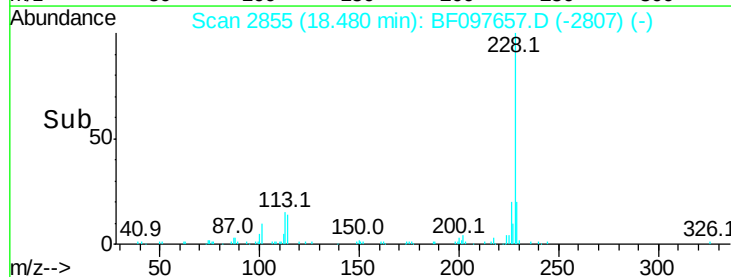
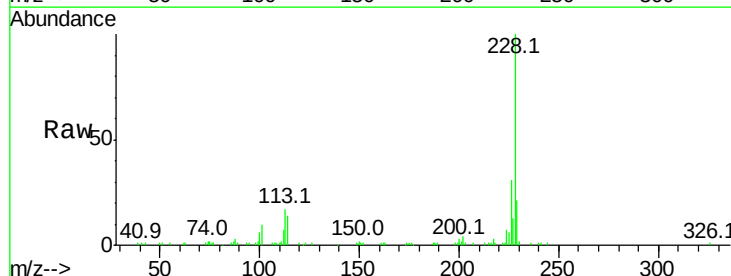
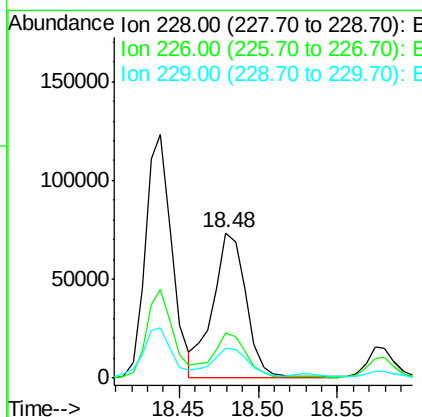
Manual Integrations
APPROVED

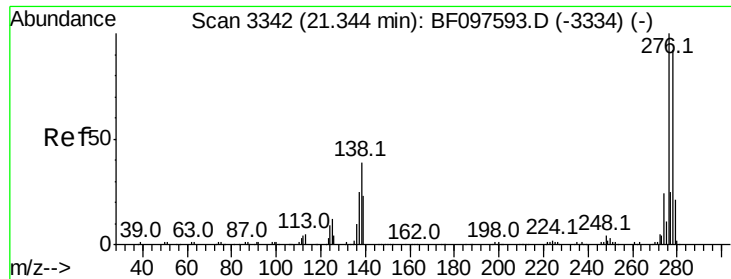
sohil
8/14/2017 7:07:16 PM



#82
Chrysene
Concen: 9.593 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	20.6	15.8	23.6





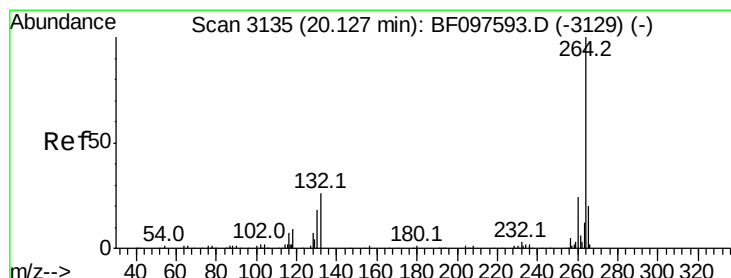
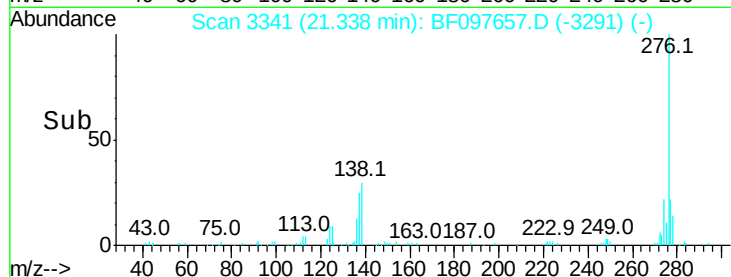
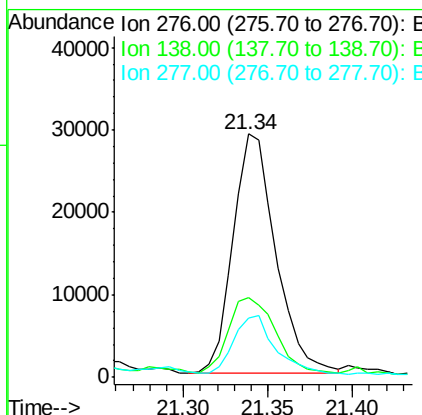
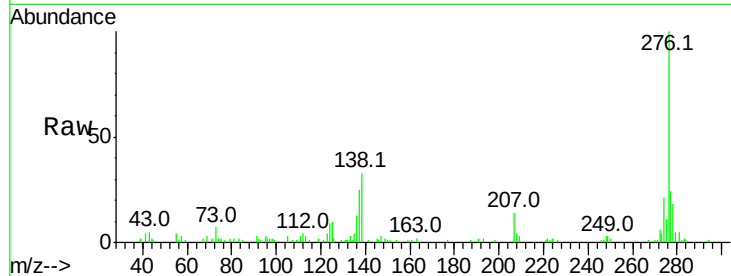
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.895 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion:	276	Resp:	50940
Ion Ratio	Lower	Upper	
276	100		
138	37.1	27.8	41.6
277	24.1	20.2	30.4

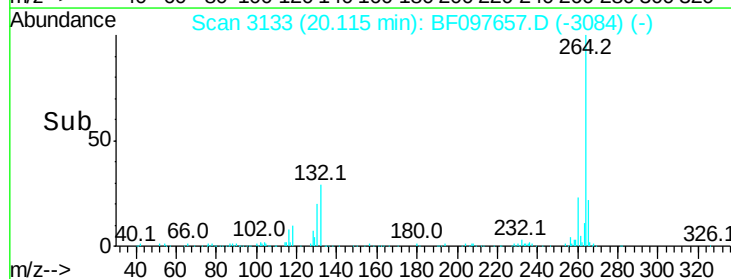
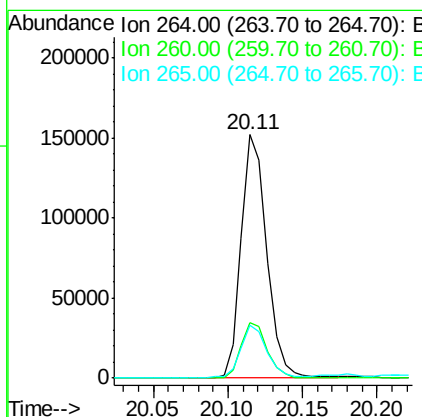
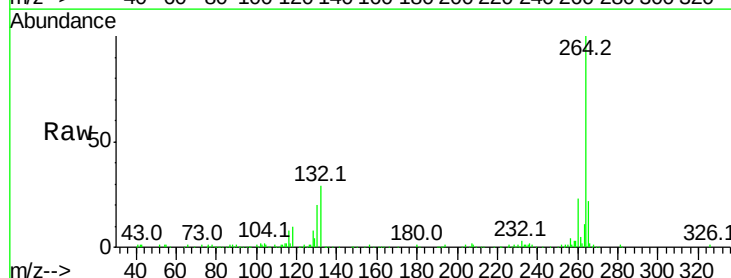
Manual Integrations
APPROVED

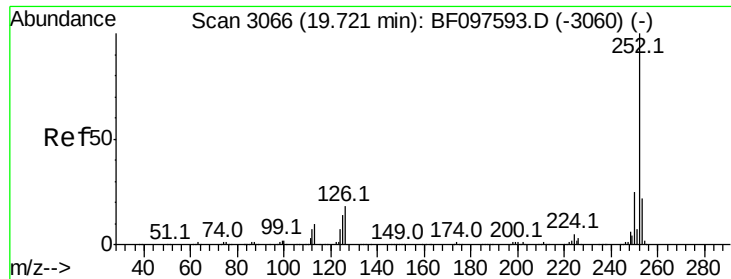
sohil
8/14/2017 7:07:16 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion:	264	Resp:	181611
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.5	29.3
265	21.7	17.2	25.8





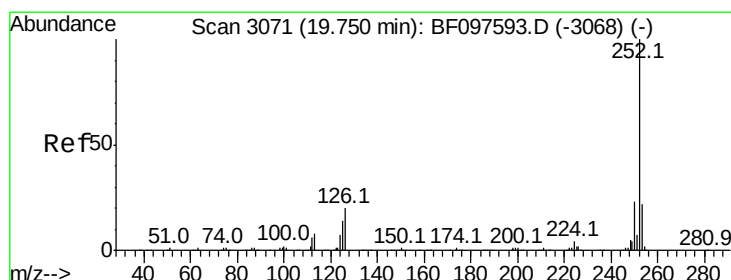
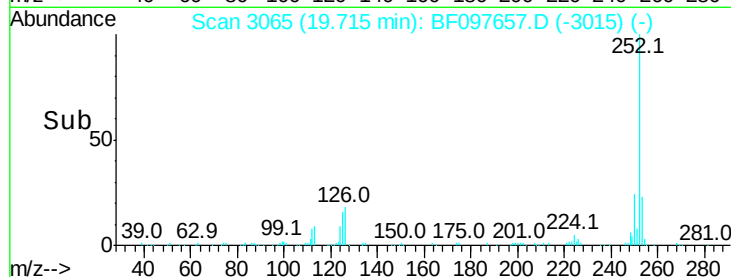
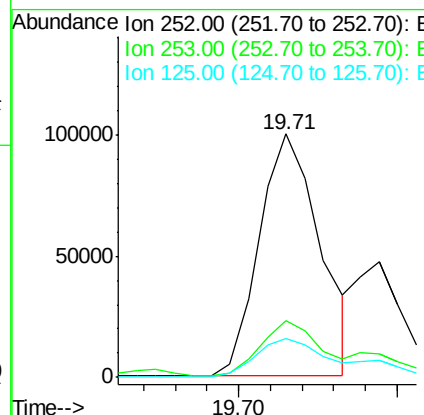
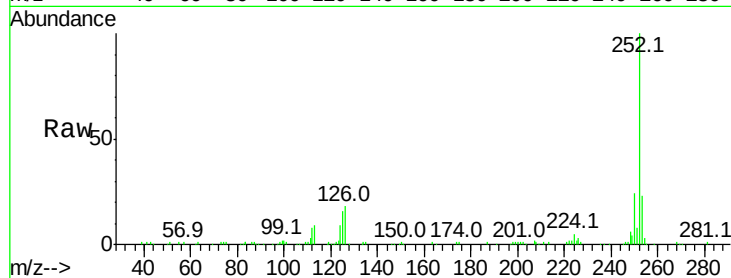
#87
Benzo(b)fluoranthene
Concen: 12.251 ng
RT: 19.71 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	18.1	27.1
125	16.1	9.8	14.8

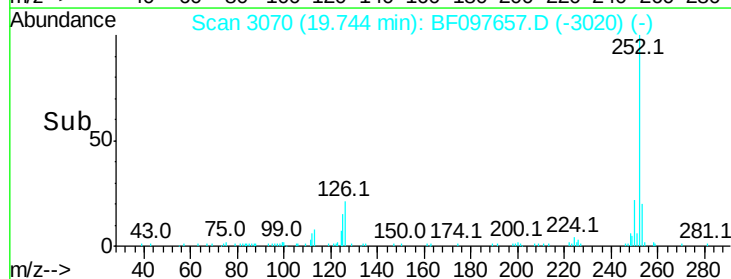
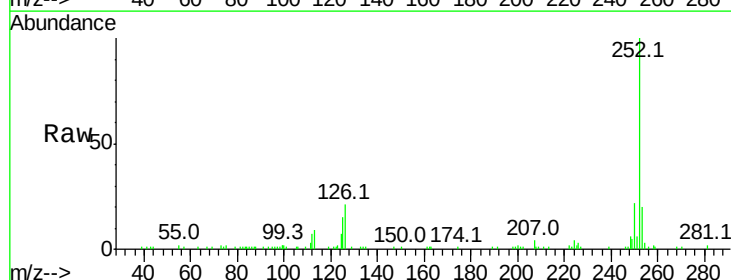
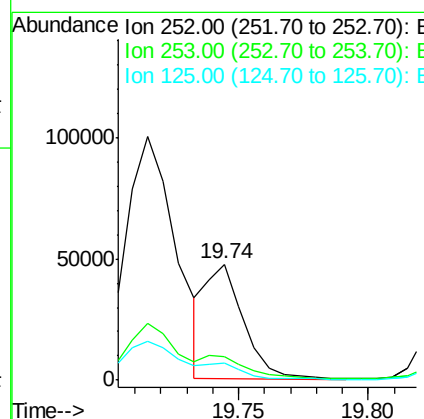
Manual Integrations
APPROVED

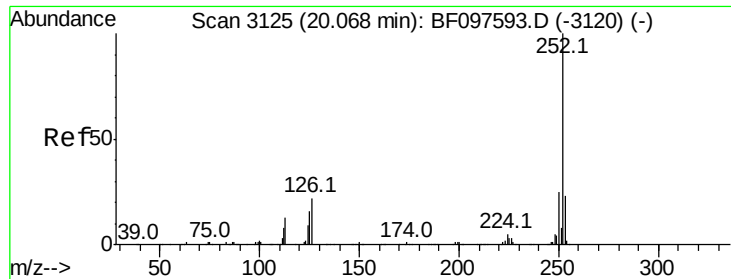
sohil
8/14/2017 7:07:16 PM



#88
Benzo(k)fluoranthene
Concen: 4.549 ng m
RT: 19.74 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	20.3	18.4	27.6
125	14.7	13.1	19.7





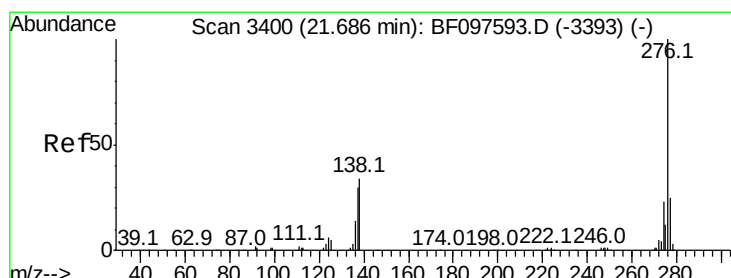
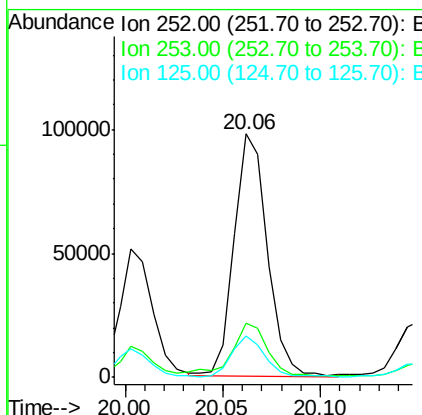
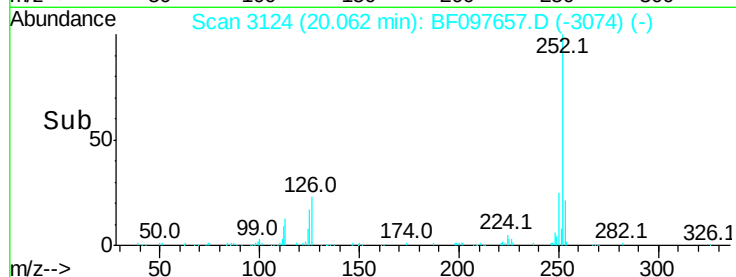
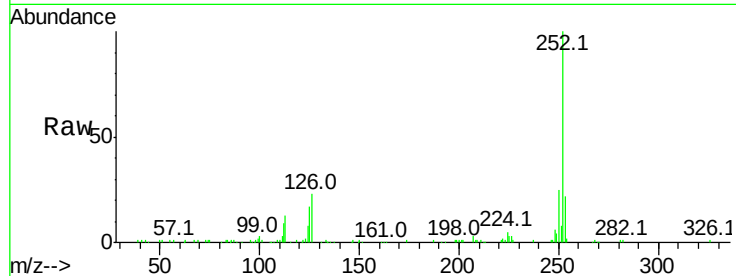
#89
Benzo(a)pyrene
Concen: 11.526 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.1	11.0	16.4

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:16 PM



#91
Benzo(g,h,i)perylene
Concen: 5.715 ng
RT: 21.69 min Scan# 3401
Delta R.T. 0.01 min
Lab File: BF097657.D
Acq: 13 Aug 2017 5:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	42.4	25.4	38.0

