

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
 Data File : BF091558.D
 Acq On : 13 Dec 2016 17:13
 Operator : UM/SJ
 Sample : H5922-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC120716

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:22:21 PM

Quant Time: Dec 14 00:58:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	285540	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1189915	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	522502	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	727323	20.00	ng	0.00
75) Chrysene-d12	13.96	240	525543	20.00	ng	0.00
86) Perylene-d12	15.38	264	557348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	455032	26.85	ng	0.00
7) Phenol-d6	6.44	99	554446	26.24	ng	-0.01
23) Nitrobenzene-d5	7.37	82	339035	15.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	93811	21.62	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	648836	21.46	ng	-0.01
78) Terphenyl-d14	12.91	244	380380	16.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	150174	4.54	ng	100
70) Phenanthrene	11.36	178	110088	3.06	ng	96
74) Fluoranthene	12.55	202	135373	3.59	ng	# 47
77) Pyrene	12.76	202	155351	3.73	ng	# 72
80) Benzo(a)anthracene	13.95	228	69101m	2.26	ng	
82) Chrysene	13.99	228	70479m	2.21	ng	
87) Benzo(b)fluoranthene	14.97	252	86230m	2.60	ng	

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

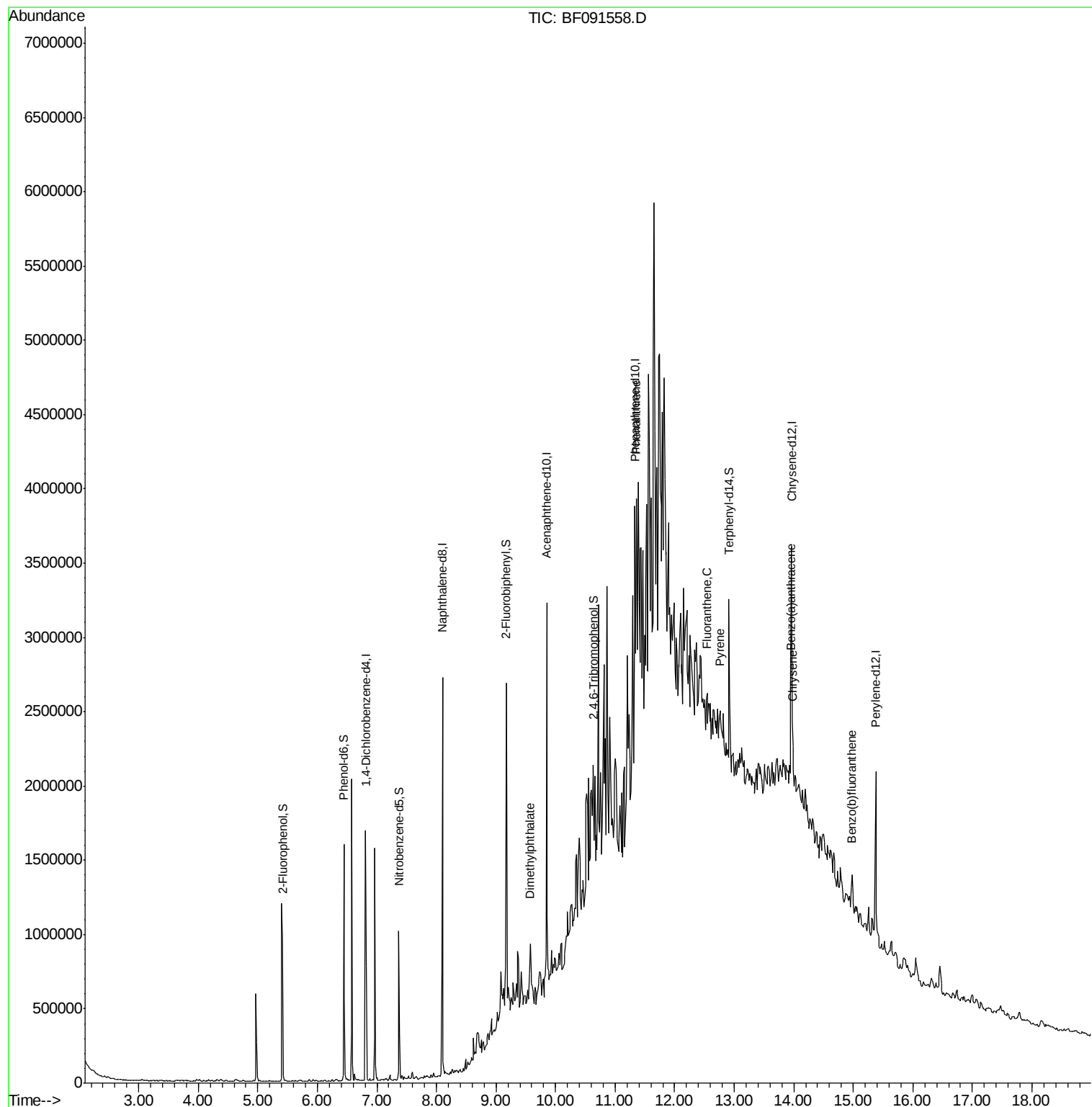
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091558.D
Acq On : 13 Dec 2016 17:13
Operator : UM/SJ
Sample : H5922-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

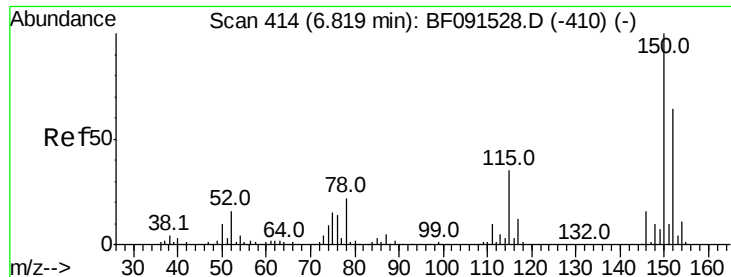
Instrument :
BNA_F
ClientSampleId :
WC120716

Manual Integrations
APPROVED

sohil
12/14/2016 6:22:21 PM

Quant Time: Dec 14 00:58:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

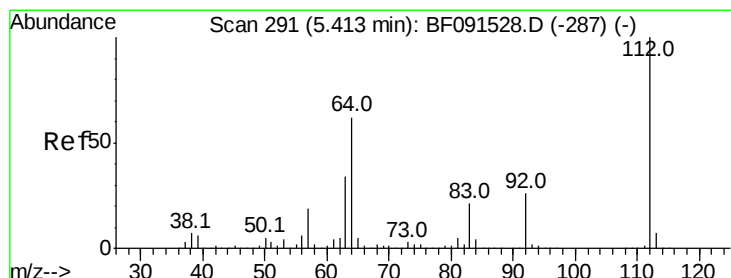
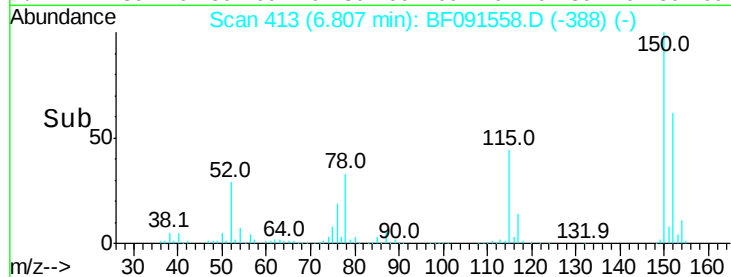
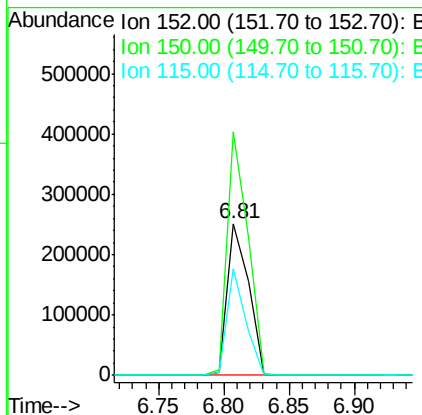
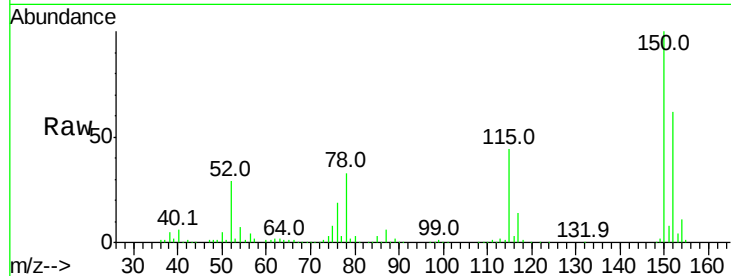
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Instrument :
BNA_F
ClientSampleId :
WC120716

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	122.5	183.7
115	70.7	51.8	77.8

Manual Integrations
APPROVED

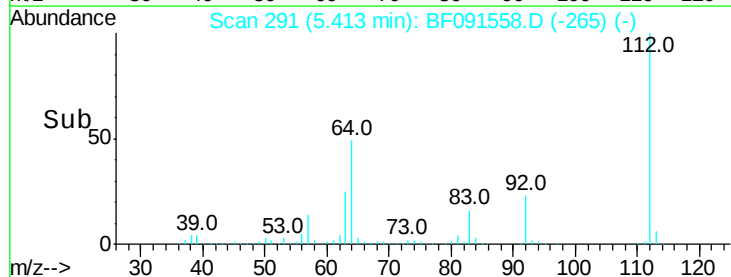
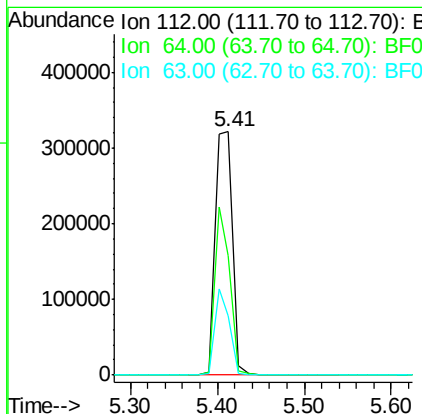
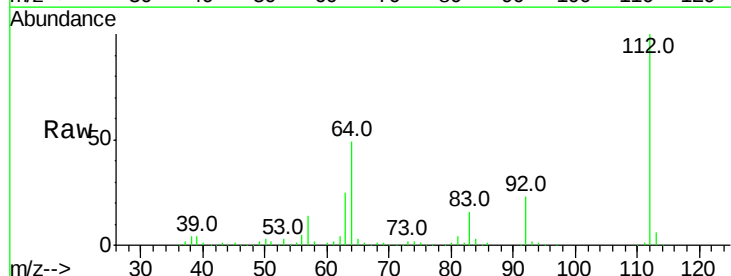
sohil
12/14/2016 6:22:21 PM

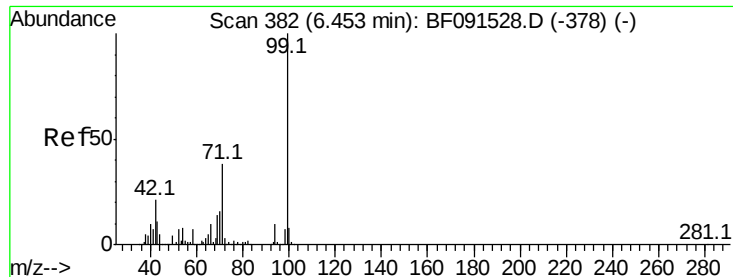


#5

2-Fluorophenol
Concen: 26.85 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	61.5	92.3#
63	24.5	33.3	49.9#





#7

Phenol-d6

Concen: 26.24 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Instrument :

BNA_F

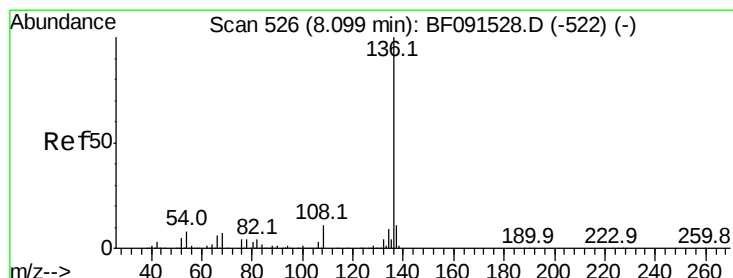
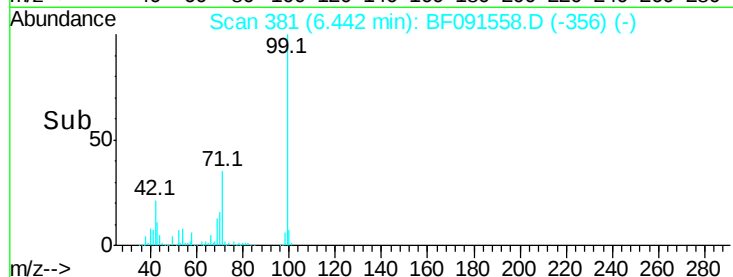
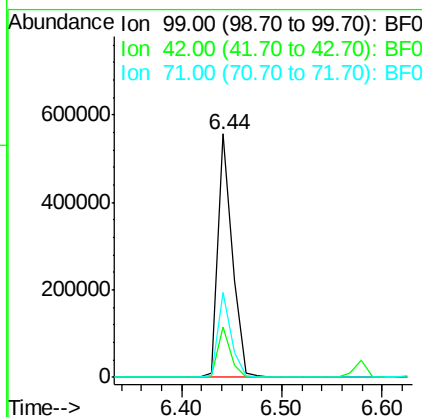
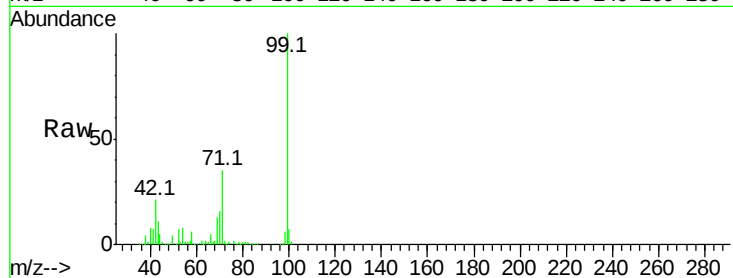
ClientSampleId :

WC120716

Tot Ion:	99	Resp:	554446
Ion Ratio	Lower	Upper	
99	100		
42	20.8	20.6	31.0
71	34.7	29.9	44.9

Manual Integrations
APPROVED

sohil
12/14/2016 6:22:21 PM



#21

Naphthalene-d8

Concen: 20.00 ng

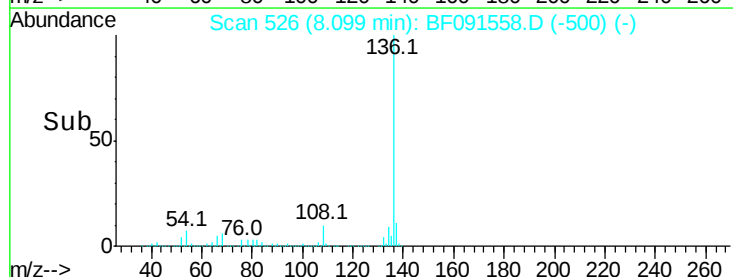
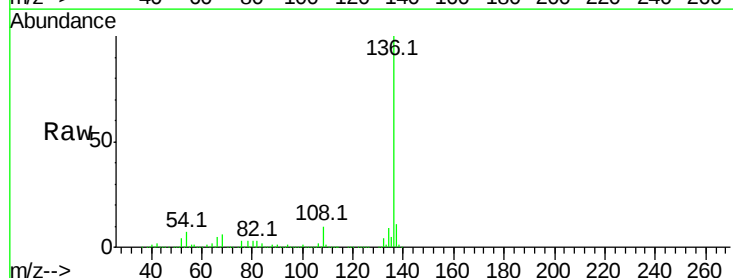
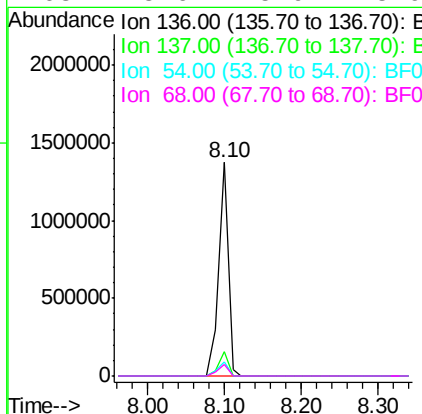
RT: 8.10 min Scan# 526

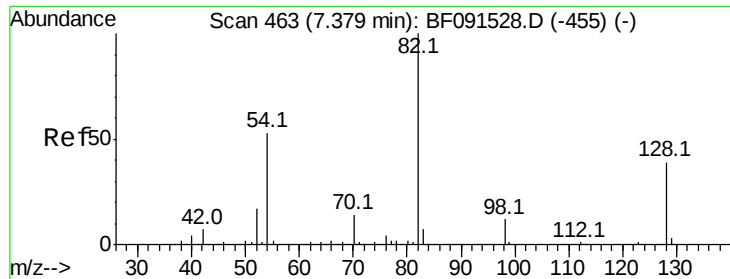
Delta R.T. -0.00 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Tgt Ion:	136	Resp:	1189915
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	6.7	9.1	13.7#
68	5.6	5.9	8.9#





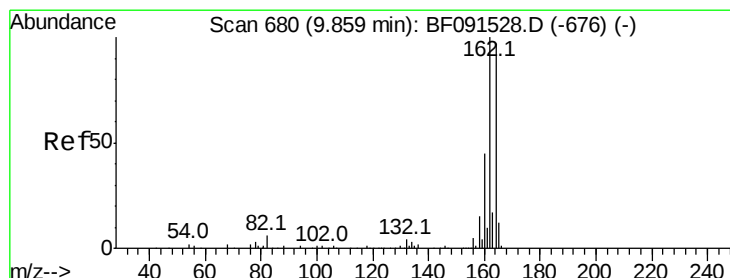
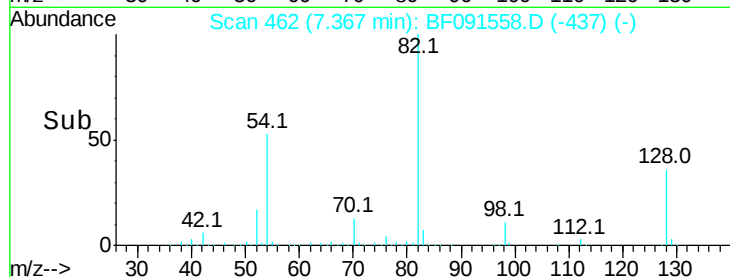
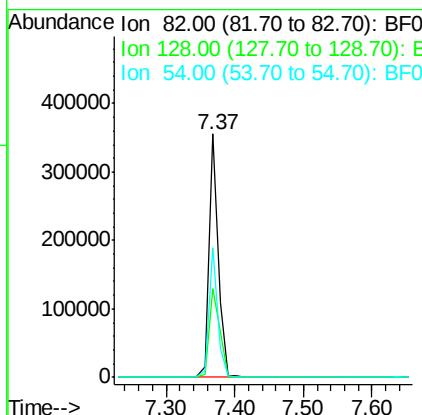
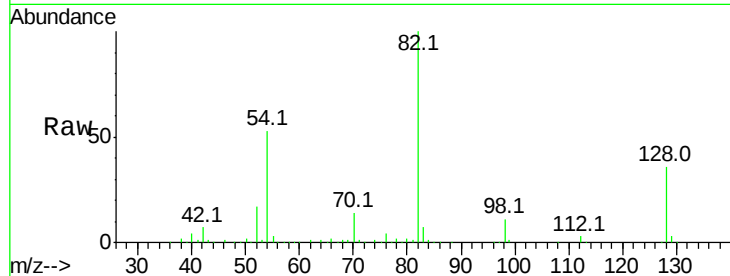
#23
 Nitrobenzene-d5
 Concen: 15.90 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF091558.D
 Acq: 13 Dec 2016 17:13

Instrument :
 BNA_F
 ClientSampleId :
 WC120716

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.3	31.8	47.6	
54	53.2	49.1	73.7	

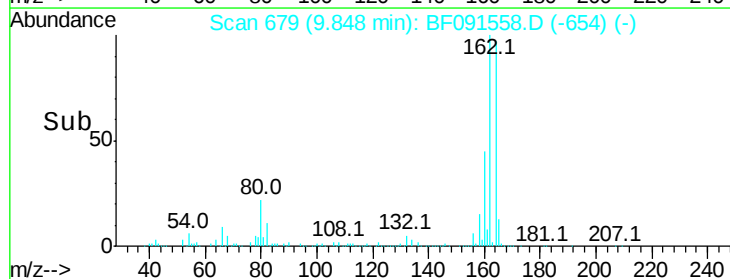
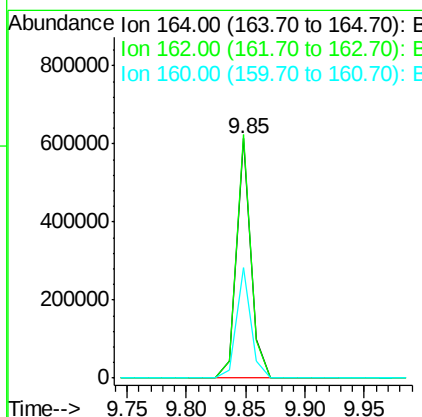
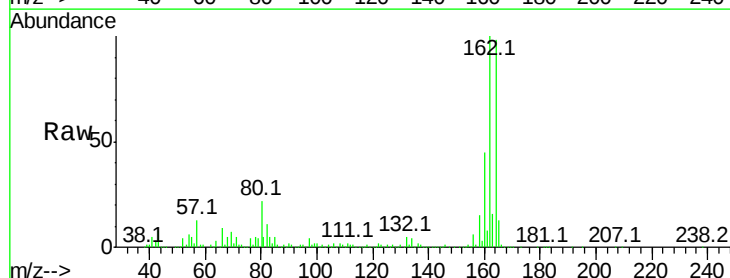
Manual Integrations
 APPROVED

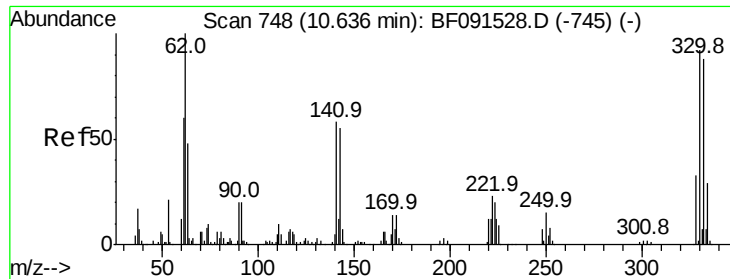
sohil
 12/14/2016 6:22:21 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF091558.D
 Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	82.6	124.0	
160	46.1	36.7	55.1	





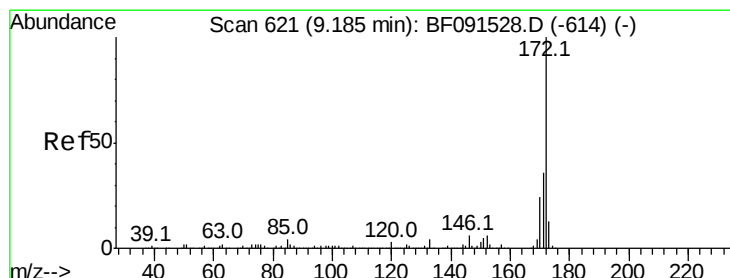
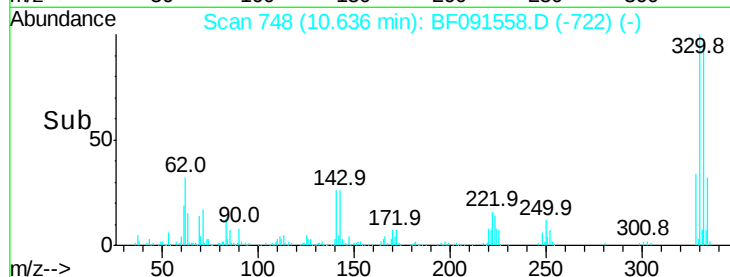
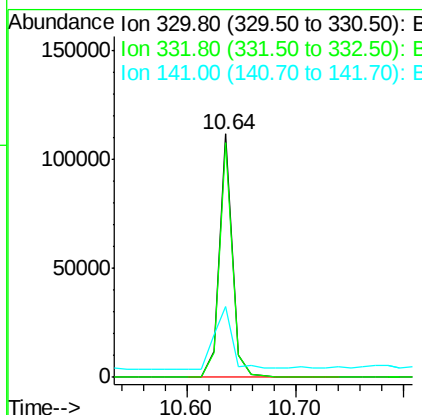
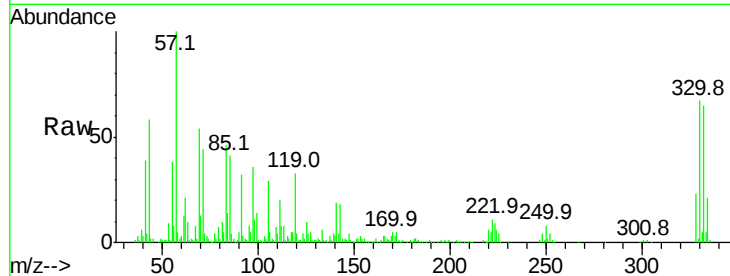
#41
 2,4,6-Tribromophenol
 Concen: 21.62 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091558.D
 Acq: 13 Dec 2016 17:13

Instrument :
 BNA_F
 ClientSampled :
 WC120716

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.2	114.4
141	37.3	33.6	50.4

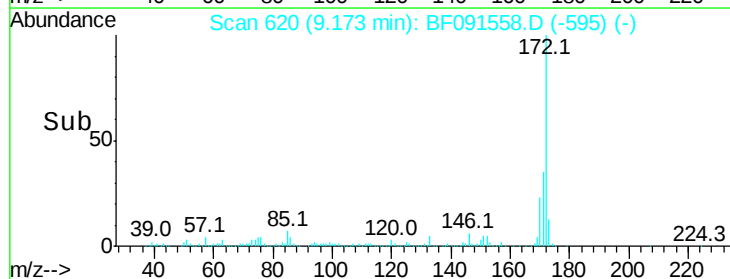
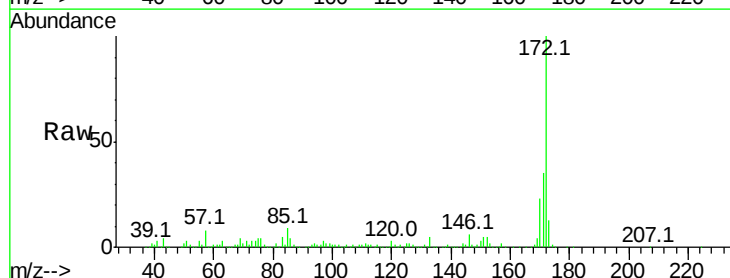
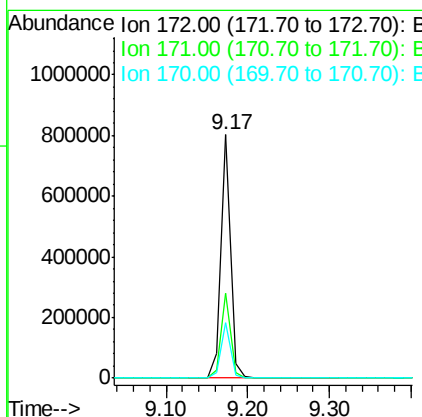
Manual Integrations
 APPROVED

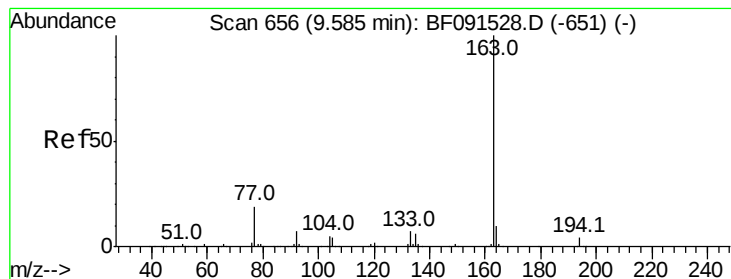
sohil
 12/14/2016 6:22:21 PM



#44
 2-Fluorobiphenyl
 Concen: 21.46 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091558.D
 Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.4	44.0
170	23.0	19.7	29.5





#49

Dimethylphthalate

Concen: 4.54 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Instrument :

BNA_F

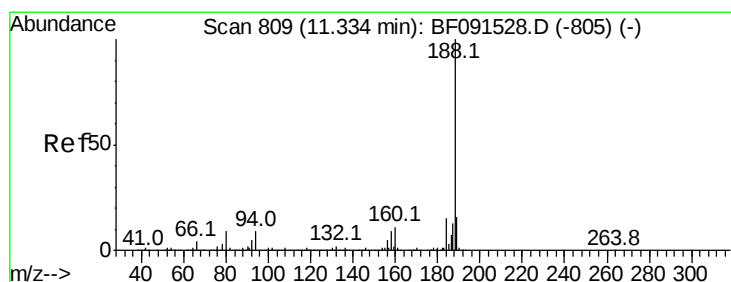
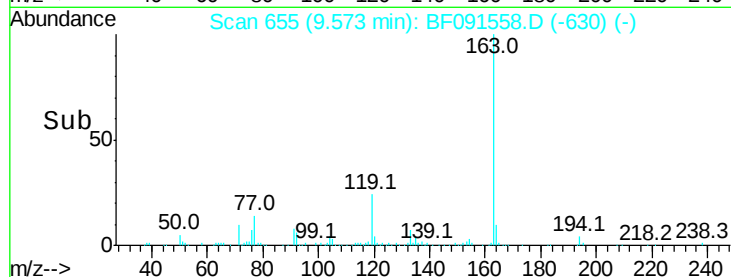
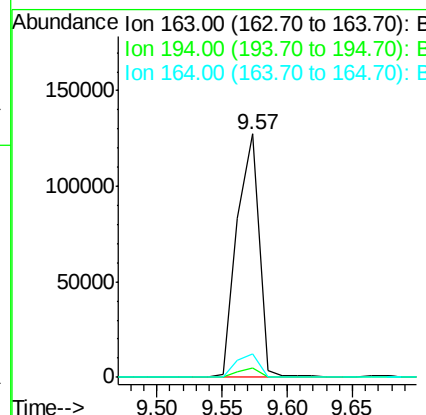
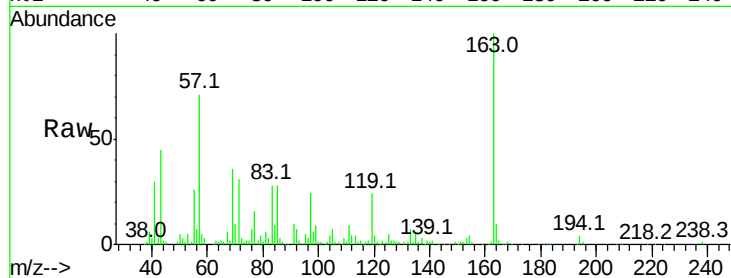
ClientSampleId :

WC120716

Tot Ion:	163	Resp:	150174
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	9.7	7.8	11.8

Manual Integrations
APPROVED

sohil
12/14/2016 6:22:21 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

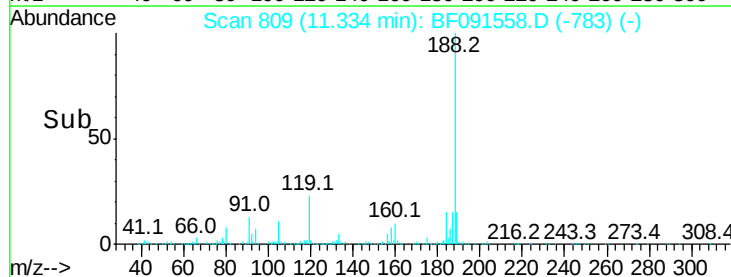
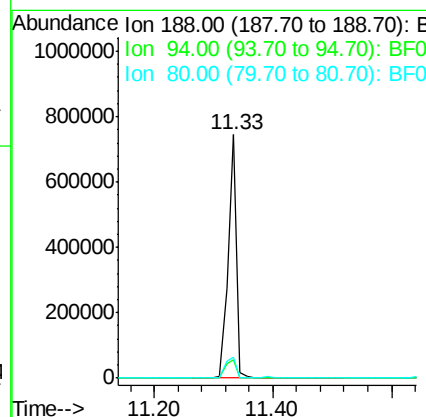
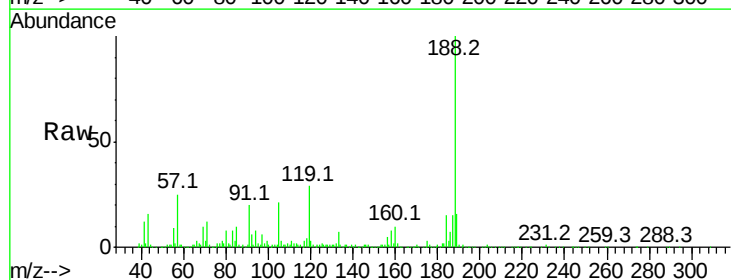
RT: 11.33 min Scan# 809

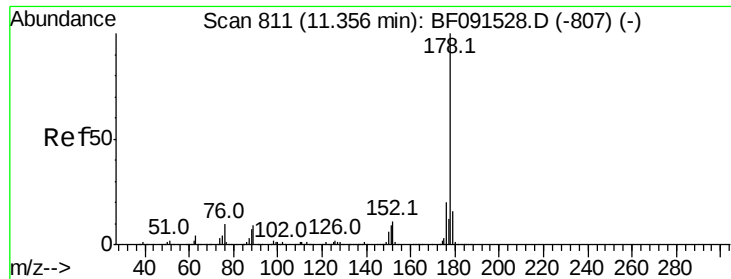
Delta R.T. -0.00 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Tgt Ion:	188	Resp:	727323
Ion Ratio	Lower	Upper	
188	100		
94	7.6	9.2	13.8#
80	8.3	10.5	15.7#





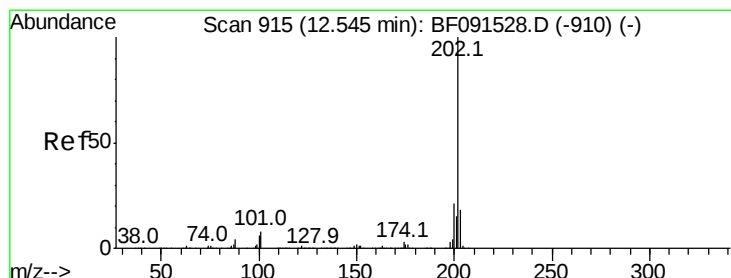
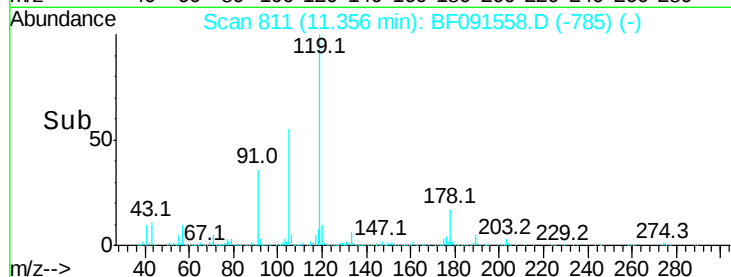
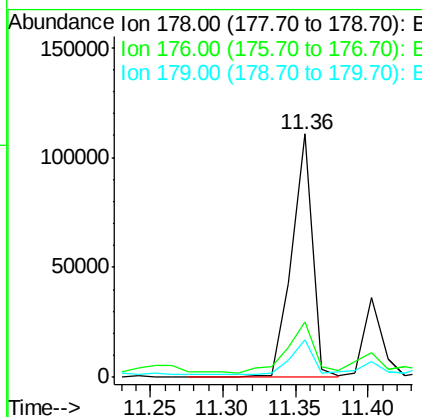
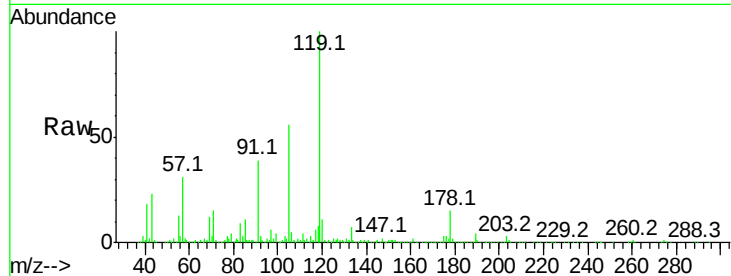
#70
Phenanthrene
Concen: 3.06 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Instrument :
BNA_F
ClientSampled :
WC120716

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.6	15.9	23.9
179	15.3	12.6	18.8

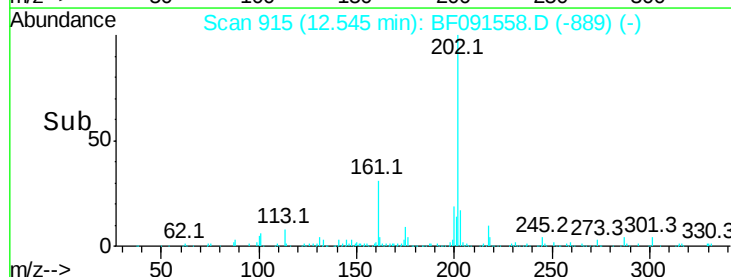
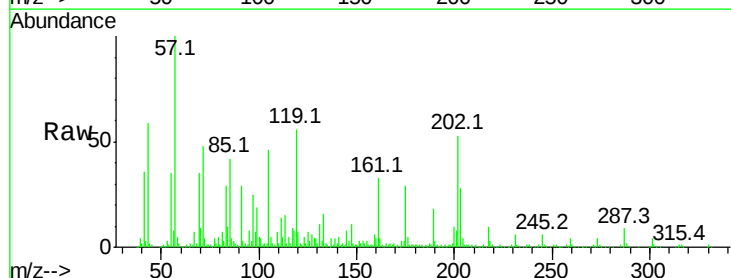
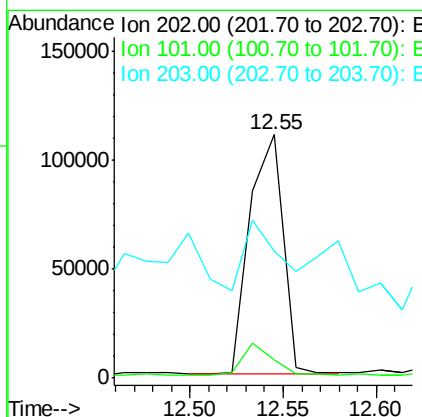
Manual Integrations
APPROVED

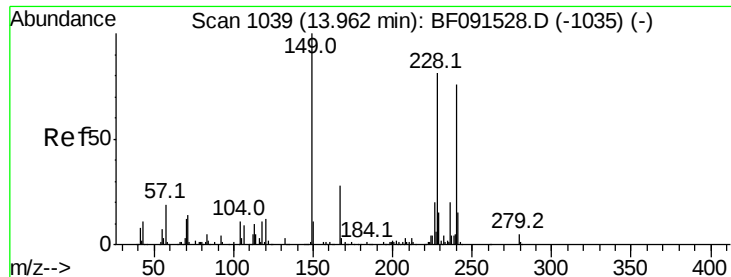
sohil
12/14/2016 6:22:21 PM



#74
Fluoranthene
Concen: 3.59 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	29.5
203	52.3	0.0	37.8#





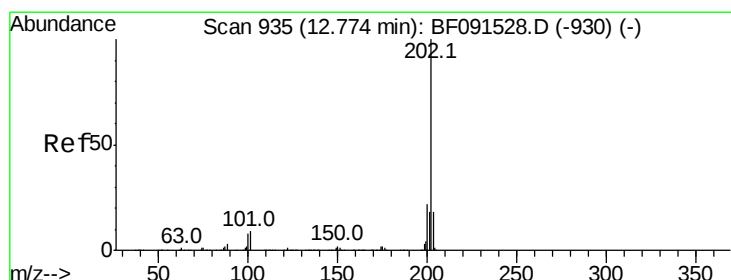
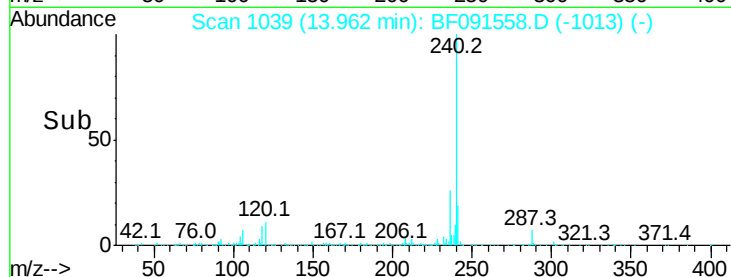
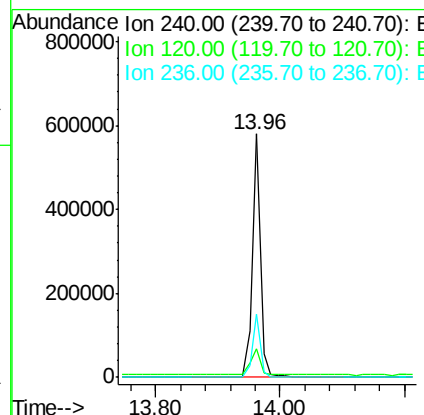
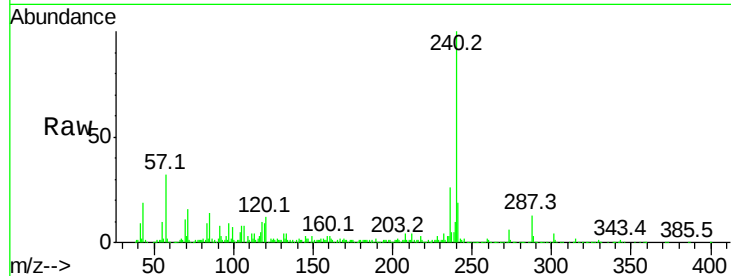
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Instrument :
BNA_F
ClientSampleId :
WC120716

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.6	12.1	18.1#	
236	26.1	21.0	31.6	

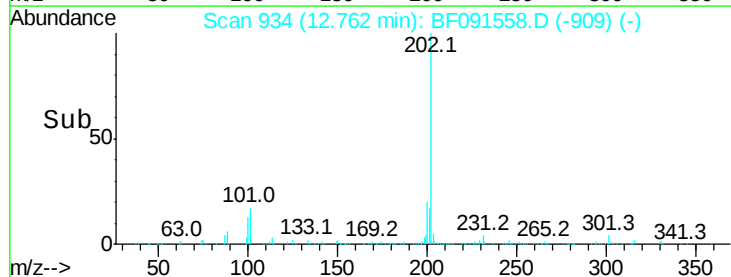
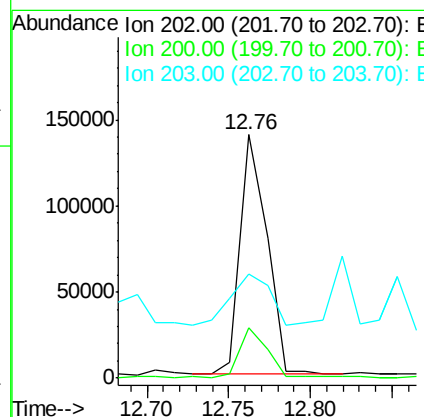
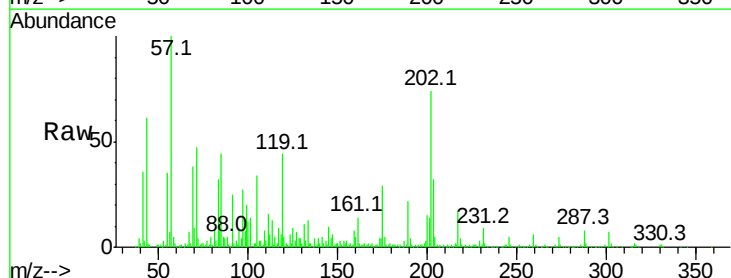
Manual Integrations
APPROVED

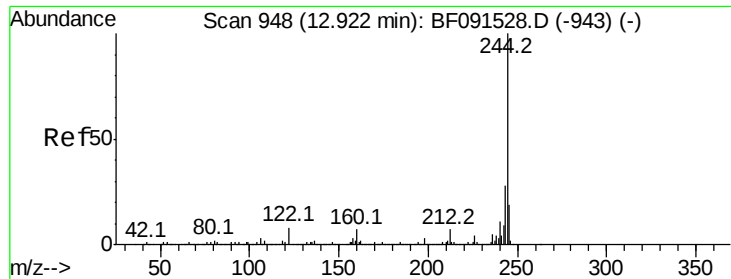
sohil
12/14/2016 6:22:21 PM



#77
Pyrene
Concen: 3.73 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	17.6	26.4	
203	43.0	14.0	21.0#	





#78

Terphenyl-d14

Concen: 16.42 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Instrument :

BNA_F

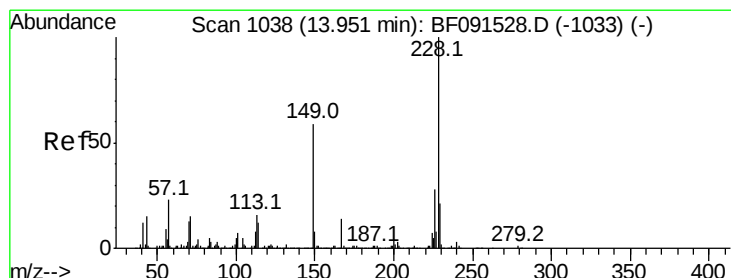
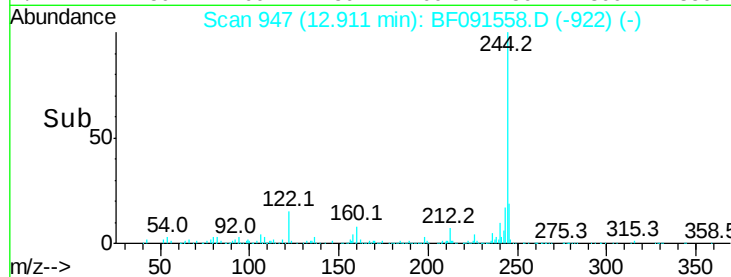
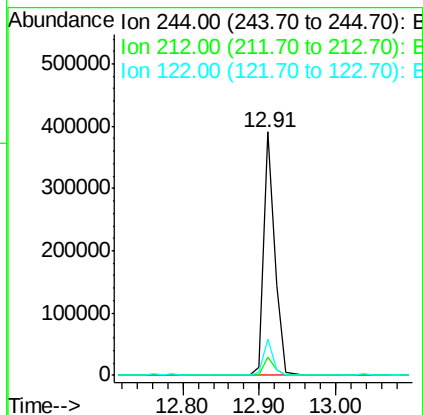
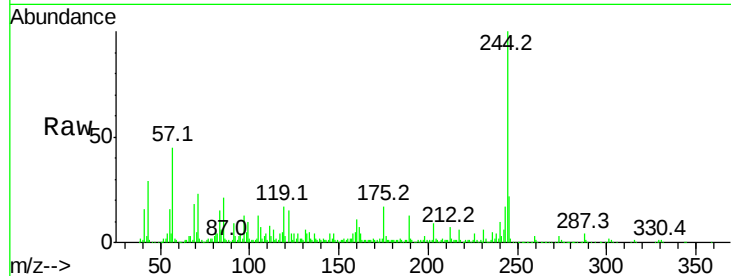
ClientSampleId :

WC120716

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	6.5	9.7	
122	15.1	9.5	14.3	

Manual Integrations
APPROVED

sohil
12/14/2016 6:22:21 PM



#80

Benzo(a)anthracene

Concen: 2.26 ng m

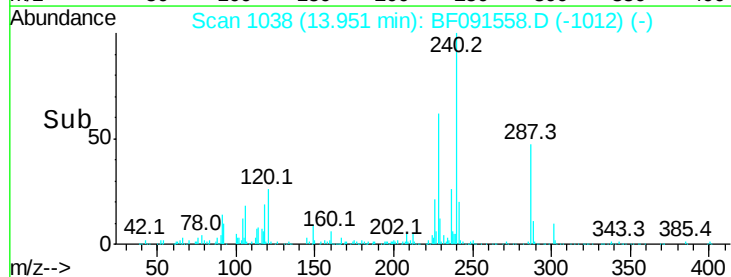
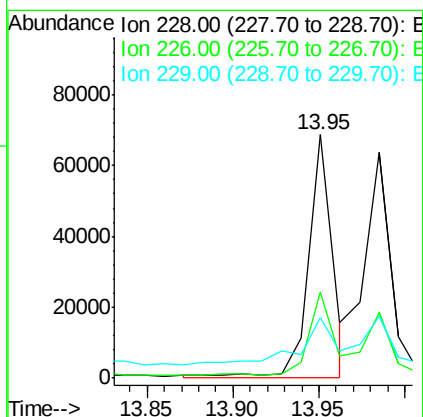
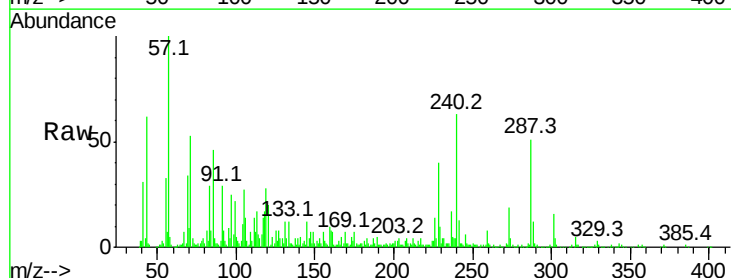
RT: 13.95 min Scan# 1038

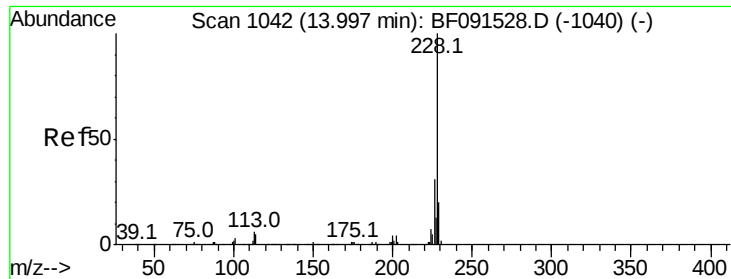
Delta R.T. 0.00 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	35.4	22.5	33.7	
229	24.9	16.4	24.6	





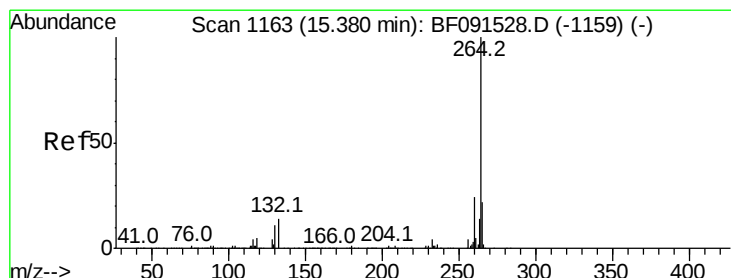
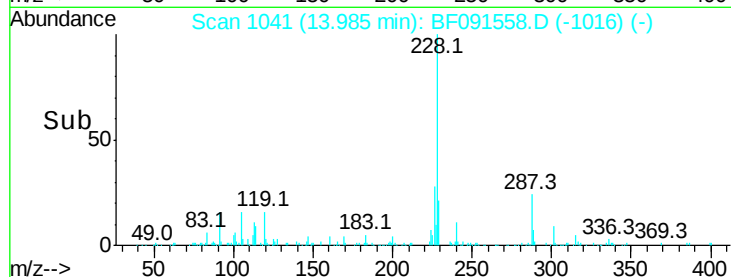
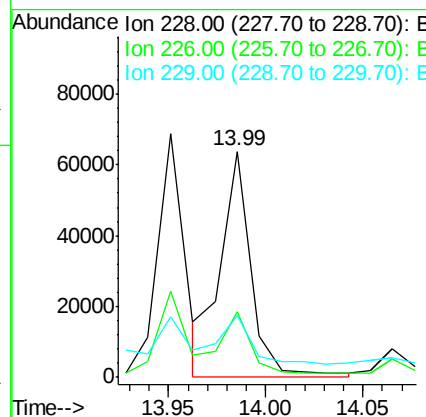
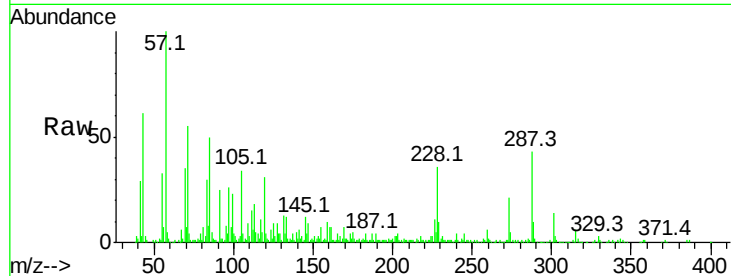
#82
Chrysene
Concen: 2.21 ng/ml
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Instrument :
BNA_F
ClientSampleId :
WC120716

Tot Ion:	228	Resp:	70479
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.4
229	27.4	16.0	24.0

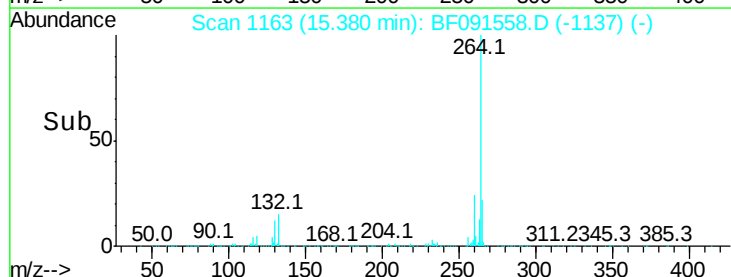
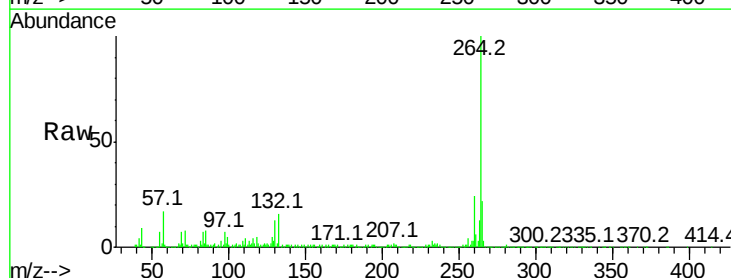
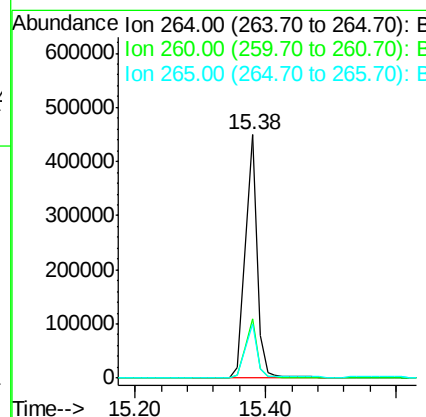
Manual Integrations
APPROVED

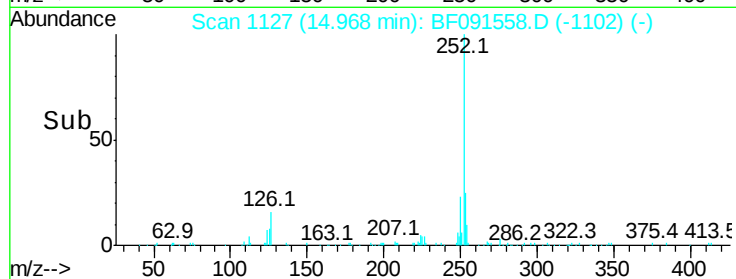
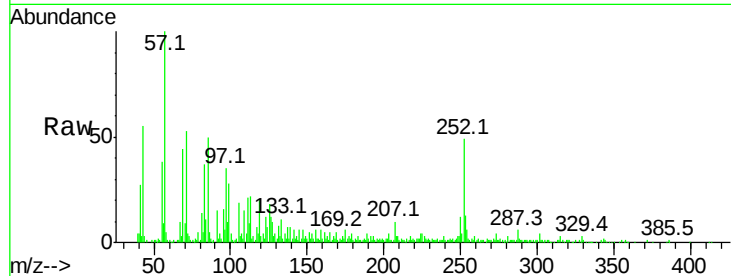
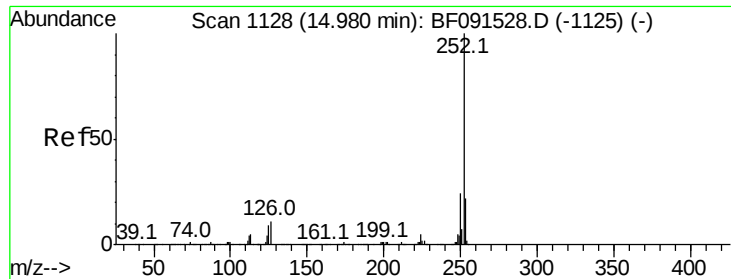
sohil
12/14/2016 6:22:21 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091558.D
Acq: 13 Dec 2016 17:13

Tgt Ion:	264	Resp:	557348
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.8	28.2
265	22.2	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 2.60 ng/ml

RT: 14.97 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF091558.D

Acq: 13 Dec 2016 17:13

Instrument :

BNA_F

ClientSampleId :

WC120716

Tot Ion: 252 Resp: 86230

Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

125 35.7 8.6 13.0#

Manual Integrations
APPROVED

sohil
12/14/2016 6:22:21 PM

