

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107122.D
 Acq On : 5 Jul 2018 13:07
 Operator : JU/SJ
 Sample : J3853-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Manual Integrations
 APPROVED

Sohil
 7/6/2018 8:45:02 AM

Quant Time: Jul 06 14:40:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	65609	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	251920	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	130111	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	245174	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	145219	20.00	ng	-0.02
86) Perylene-d12	15.69	264	184479	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	418376	107.98	ng	0.00
7) Phenol-d6	6.60	99	532651	110.08	ng	-0.02
23) Nitrobenzene-d5	7.51	82	336957	74.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	172610	114.46	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	588838	74.84	ng	-0.02
78) Terphenyl-d14	13.07	244	582302	97.13	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.25	128	26868	2.281	ng	98
48) Acenaphthylene	9.85	152	155410	12.060	ng	98
49) Dimethylphthalate	9.70	163	143839	14.740	ng	99
51) Acenaphthene	10.02	154	63605	7.838	ng	99
54) Dibenzofuran	10.20	168	33757	3.038	ng	92
57) Fluorene	10.54	166	87793	9.957	ng	98
70) Phenanthrene	11.52	178	918020	77.632	ng	99
71) Anthracene	11.57	178	319989	26.511	ng	99
72) Carbazole	11.72	167	95855	8.482	ng	98
74) Fluoranthene	12.72	202	1538293	118.023	ng	95
77) Pyrene	12.95	202	1375711	143.660	ng	96
80) Benzo(a)anthracene	14.14	228	823310m	93.022	ng	
82) Chrysene	14.18	228	819467m	100.640	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	591269	85.567	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	1213767m	105.916	ng	
88) Benzo(k)fluoranthene	15.27	252	463464m	42.469	ng	
89) Benzo(a)pyrene	15.64	252	944019m	92.665	ng	
90) Dibenzo(a,h)anthracene	17.28	278	149295	17.292	ng	# 76
91) Benzo(a,h,i)perylene	17.78	276	553847	65.631	ng	# 88

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

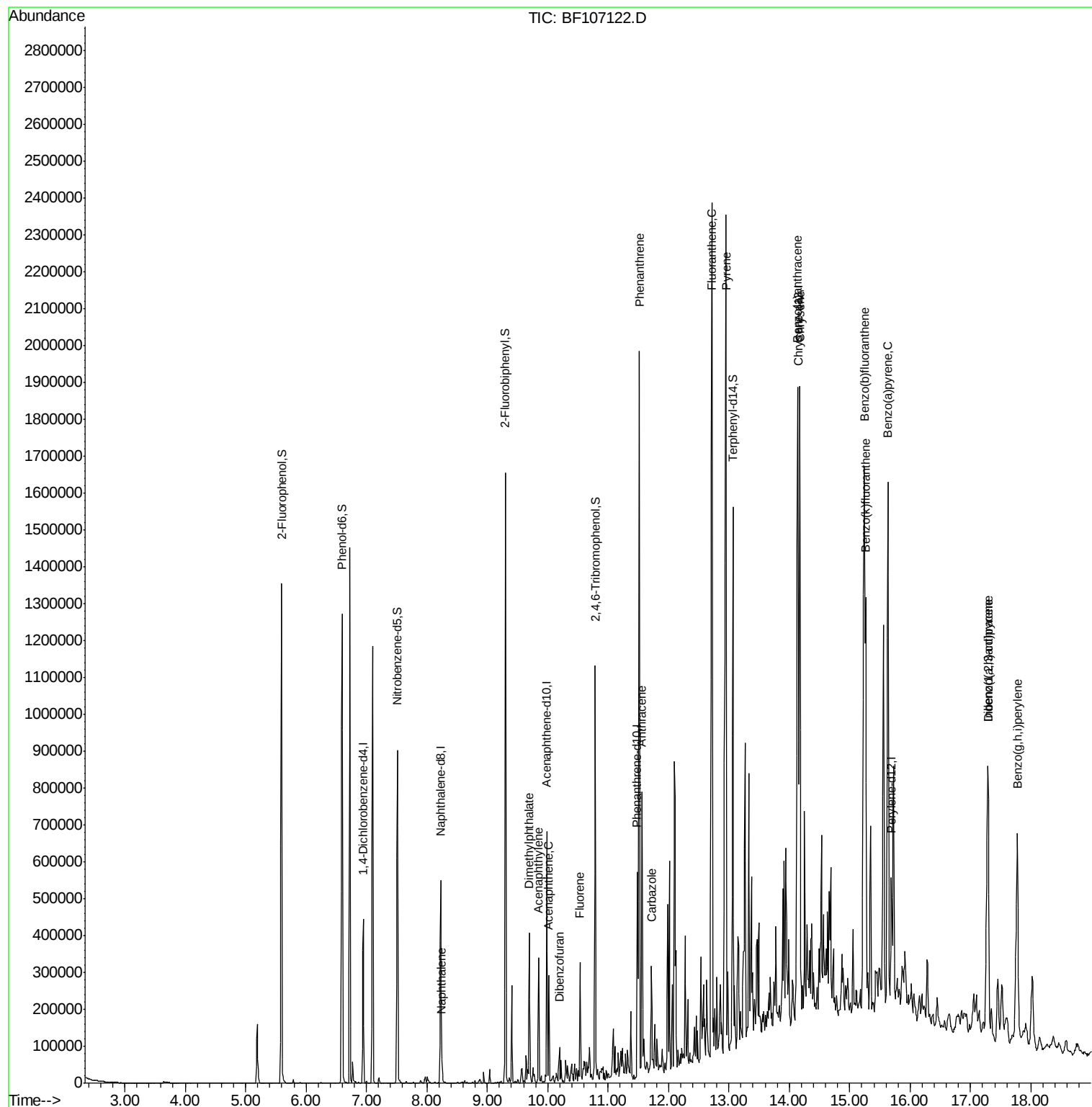
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107122.D
Acq On : 5 Jul 2018 13:07
Operator : JU/SJ
Sample : J3853-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B-5

Quant Time: Jul 06 14:40:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
7/6/2018 8:45:02 AM





#1

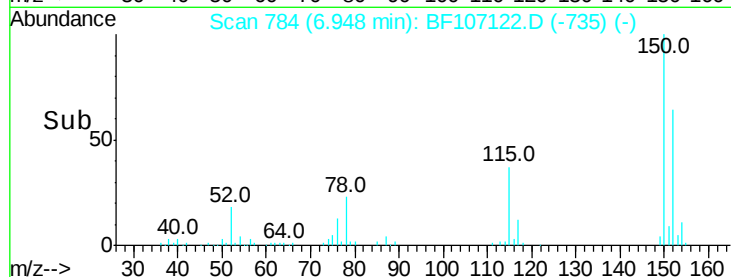
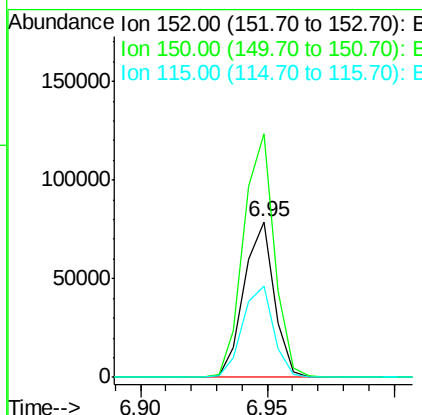
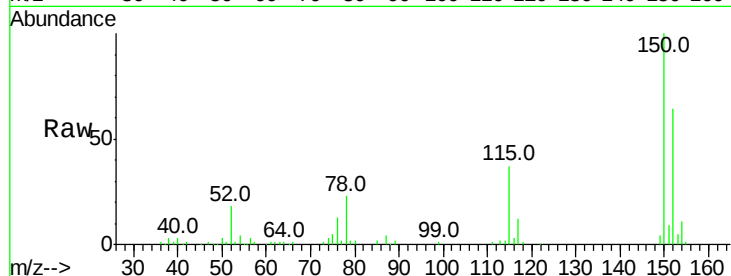
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampled :
B-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	58.2	50.1	75.1

Manual Integrations
APPROVED

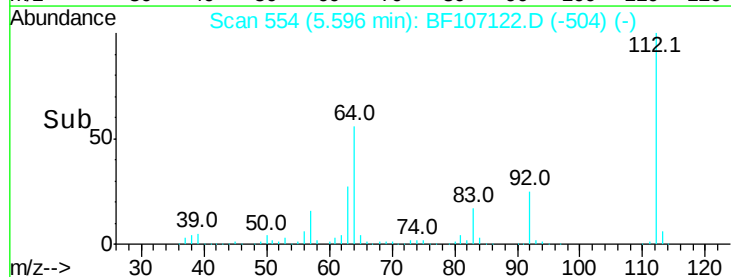
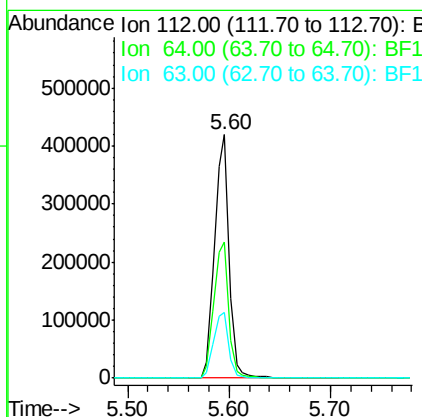
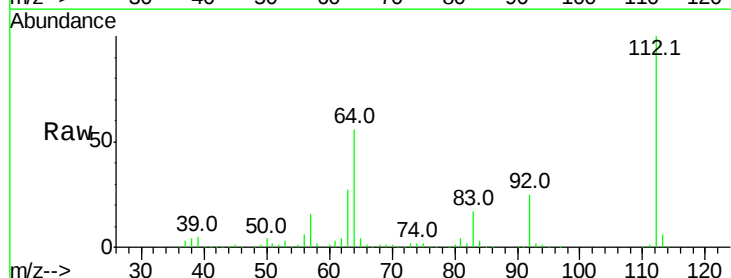
Sohil
7/6/2018 8:45:02 AM



#5

2-Fluorophenol
Concen: 107.980 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 110.084 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Instrument :

BNA_F

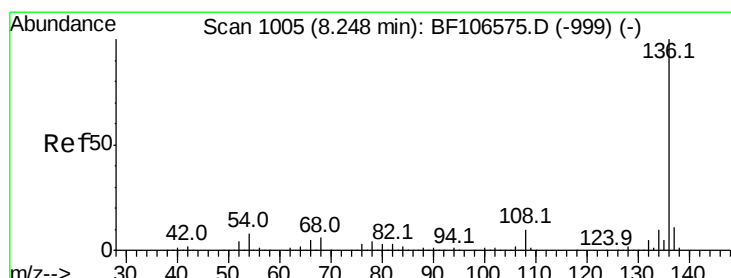
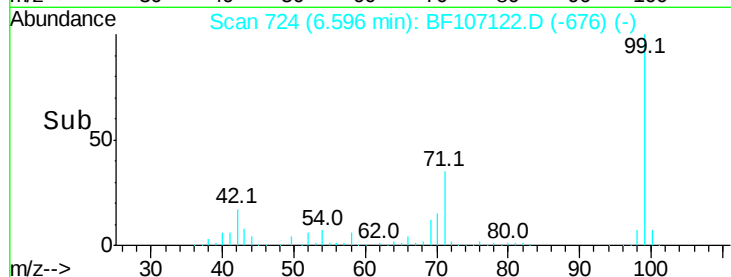
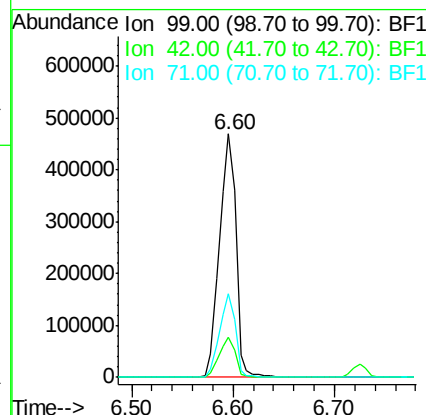
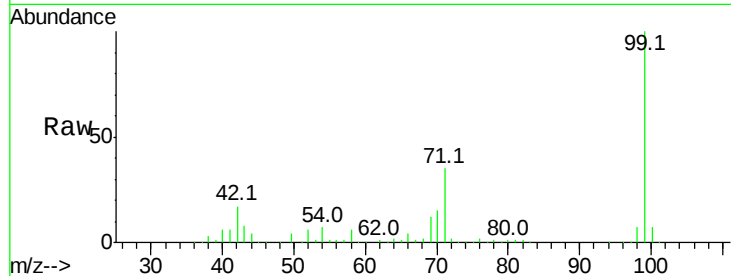
ClientSampled :

B-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		532651		
42	16.6	14.5	21.7		
71	34.6	25.4	38.0		

Manual Integrations
APPROVED

Sohil
7/6/2018 8:45:02 AM



#21

Naphthalene-d8

Concen: 20.000 ng

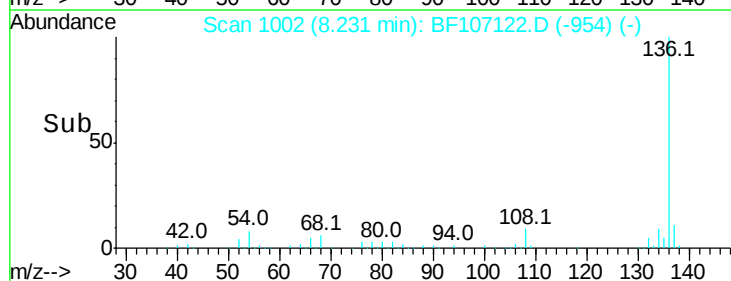
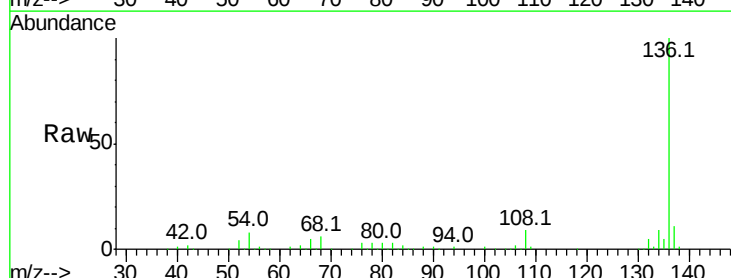
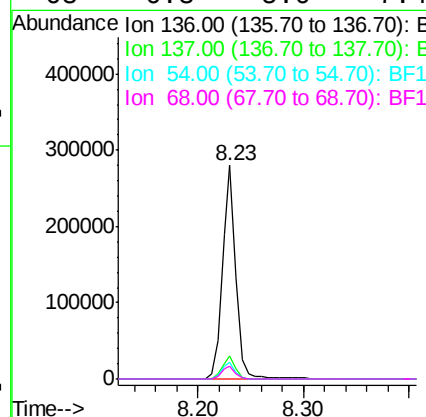
RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		251920		
137	10.8	8.9	13.3		
54	7.6	6.6	9.8		
68	6.3	5.0	7.4		





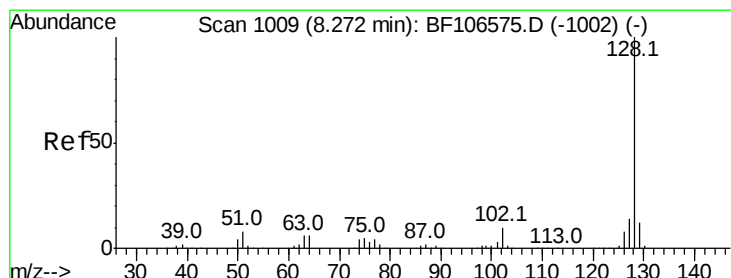
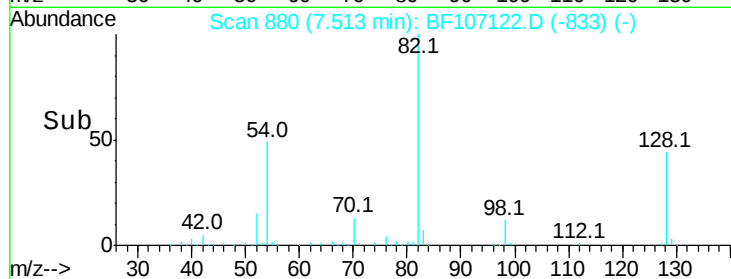
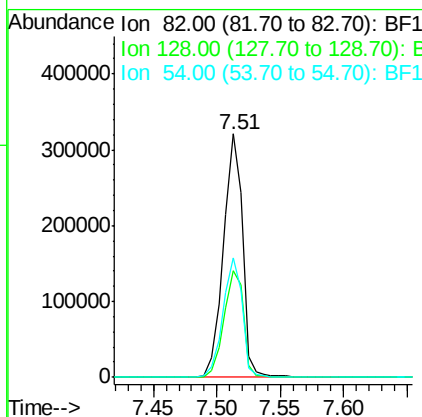
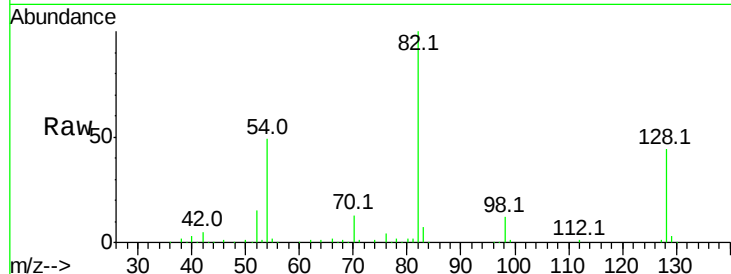
#23
Nitrobenzene-d5
Concen: 74.333 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampled :
B-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	36.1	54.1	
54	49.0	41.4	62.2	

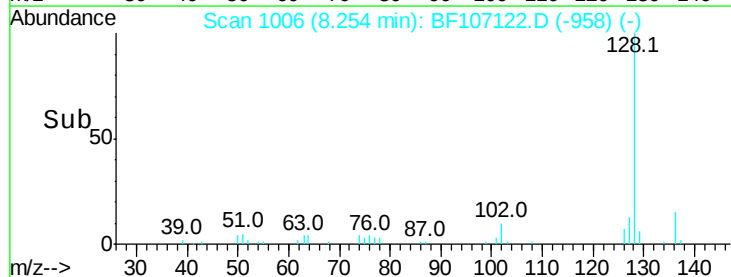
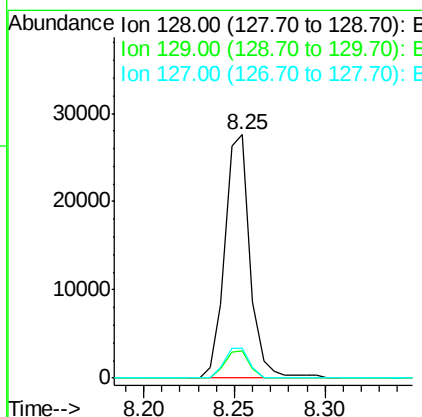
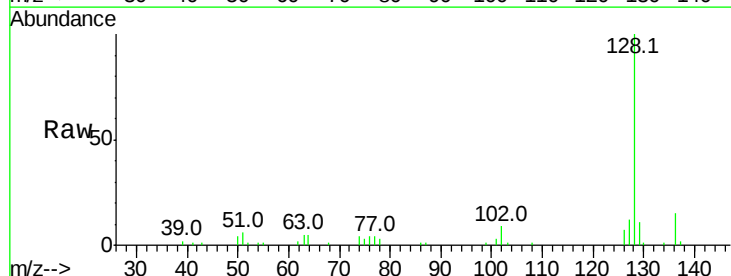
Manual Integrations
APPROVED

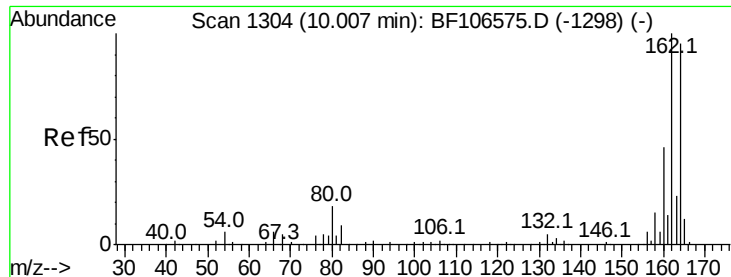
Sohil
7/6/2018 8:45:02 AM



#31
Naphthalene
Concen: 2.281 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	12.3	10.9	16.3	





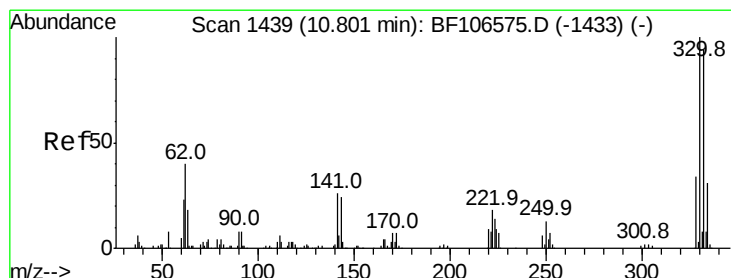
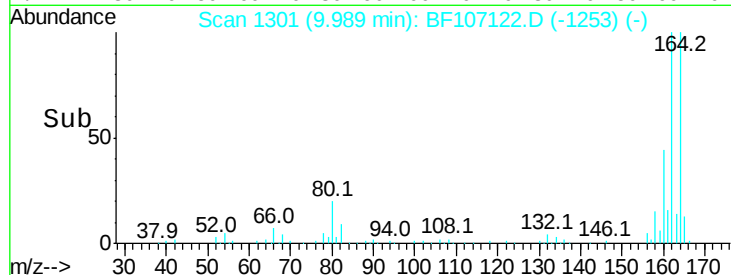
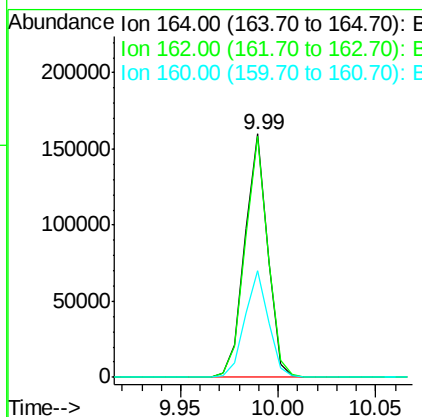
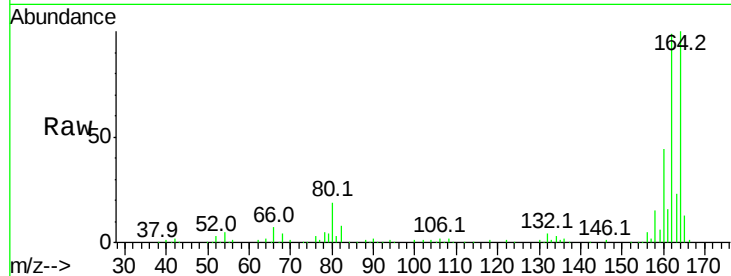
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	130111		
162	98.9	86.1	129.1	
160	43.9	38.3	57.5	

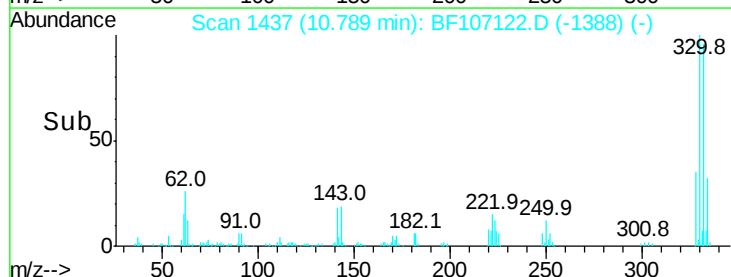
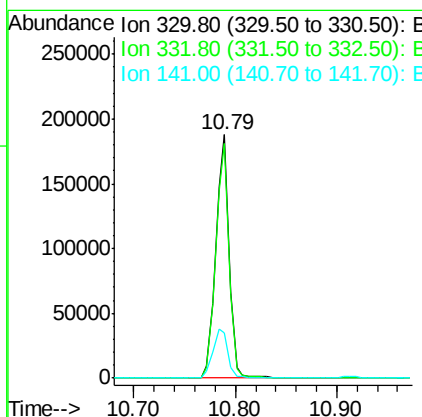
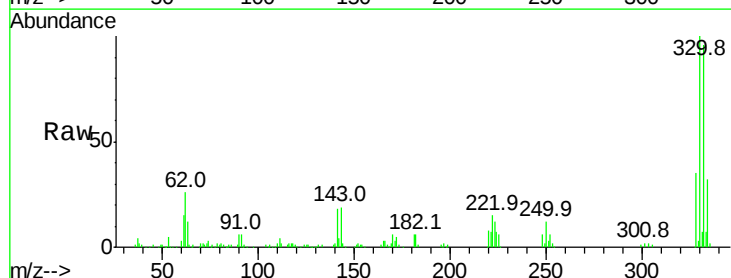
Manual Integrations
APPROVED

Sohil
7/6/2018 8:45:02 AM



#41
2,4,6-Tribromophenol
Concen: 114.461 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	172610		
332	96.8	77.0	115.6	
141	23.2	29.9	44.9#	





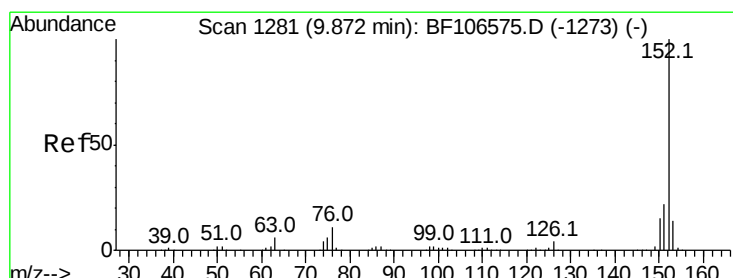
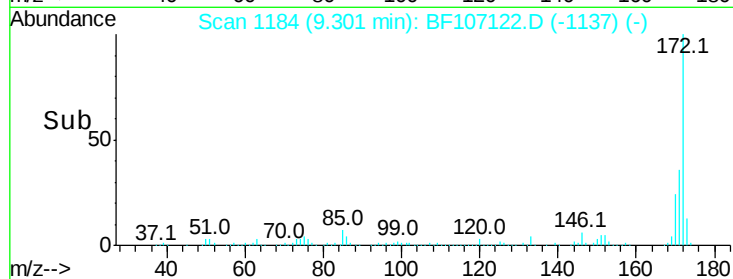
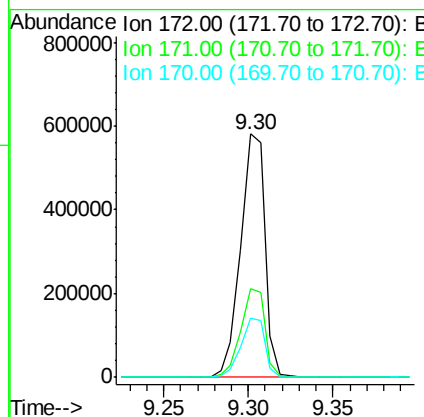
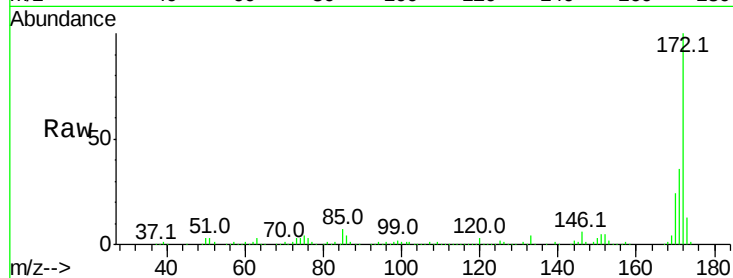
#44
 2-Fluorobiphenyl
 Concen: 74.839 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	29.7	44.5	
170	24.4	19.6	29.4	

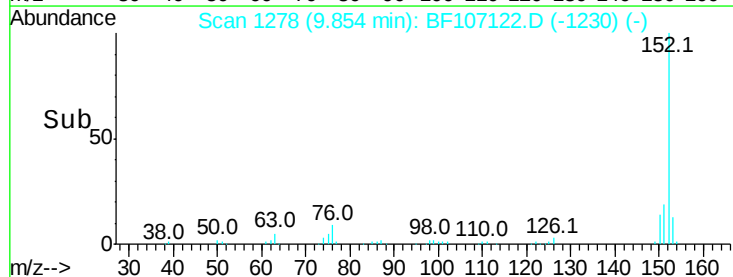
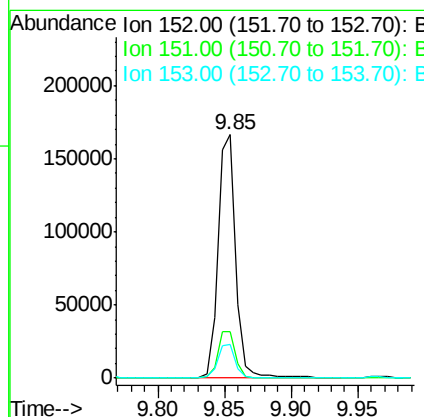
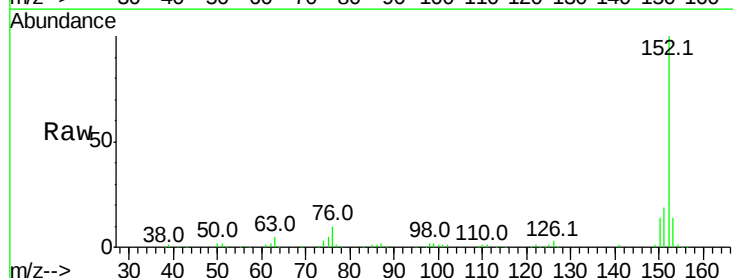
Manual Integrations
 APPROVED

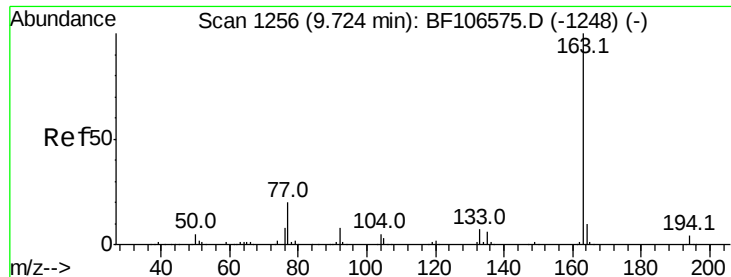
Sohil
 7/6/2018 8:45:02 AM



#48
 Acenaphthylene
 Concen: 12.060 ng
 RT: 9.85 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.1	16.3	24.5	
153	13.6	10.7	16.1	





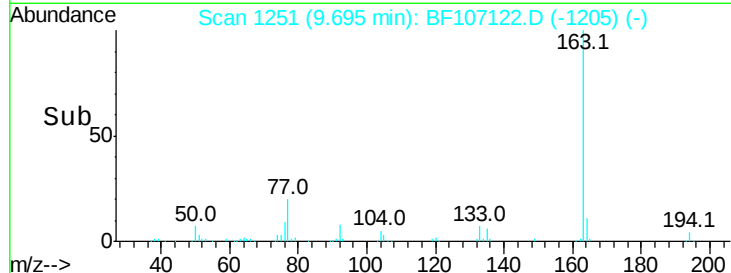
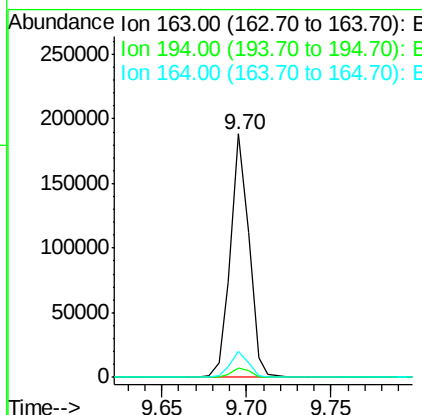
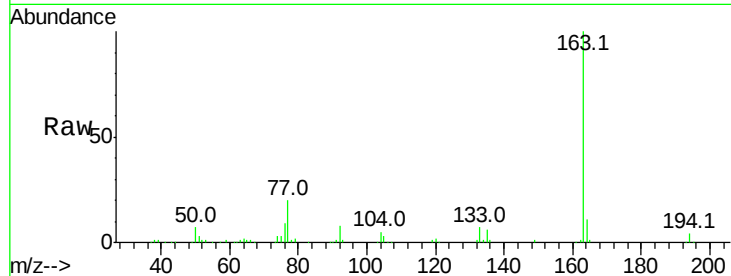
#49
Dimethylphthalate
Concen: 14.740 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampled :
B-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.7	4.1	
164	10.6	8.2	12.2	

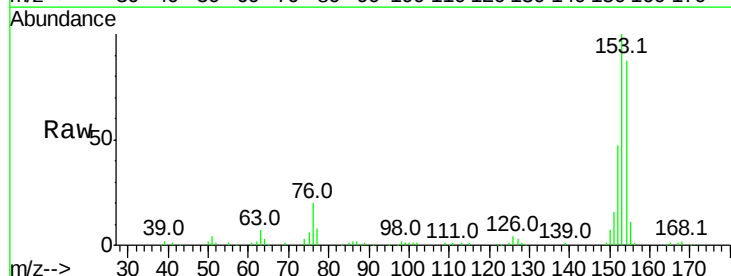
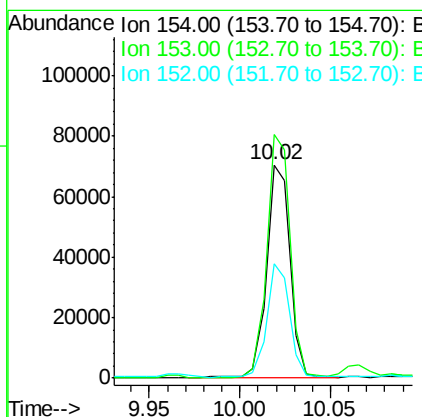
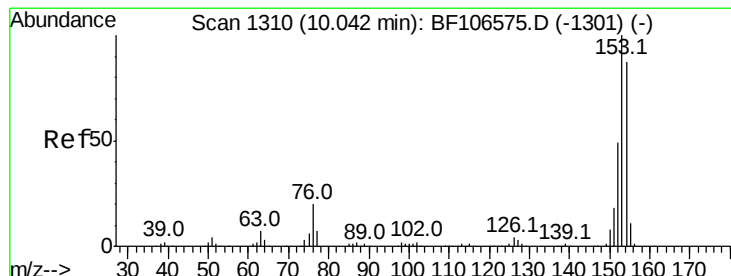
Manual Integrations
APPROVED

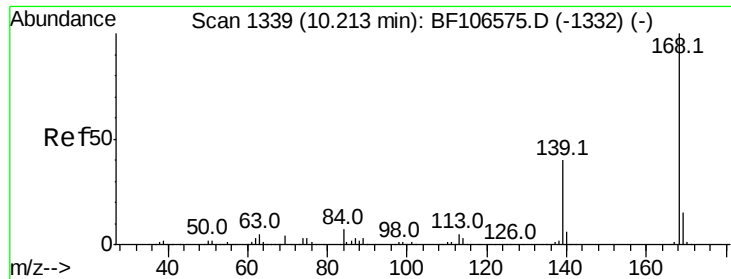
Sohil
7/6/2018 8:45:02 AM



#51
Acenaphthene
Concen: 7.838 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.3	91.2	136.8	
152	53.5	43.8	65.8	





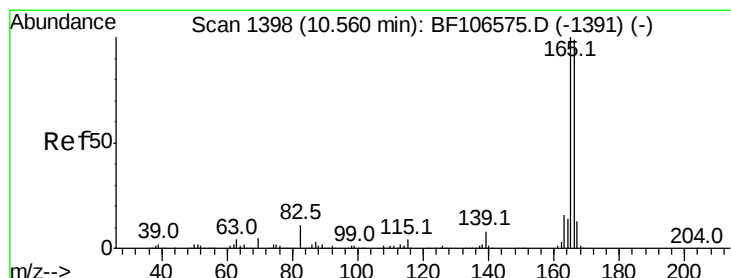
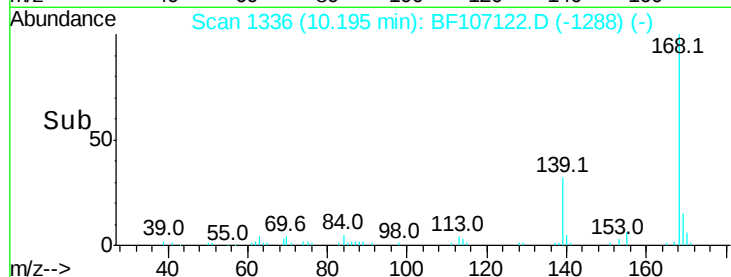
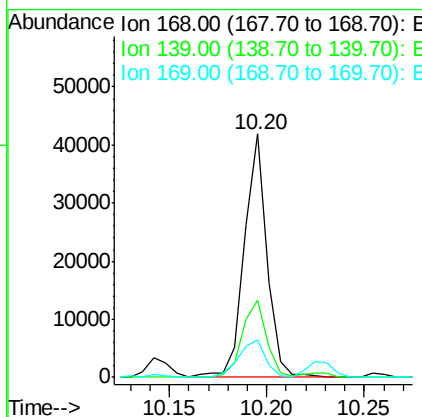
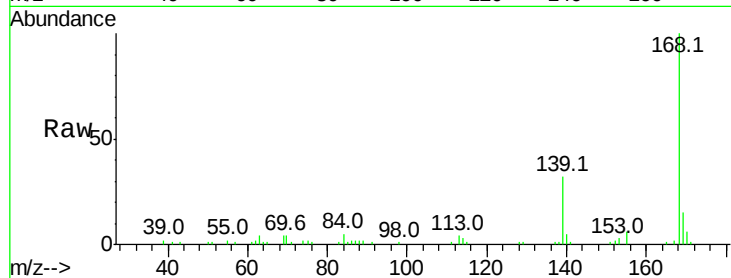
#54
Dibenzenofuran
Concen: 3.038 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampled :
B-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	31.8	30.1	45.1
169	15.2	10.9	16.3

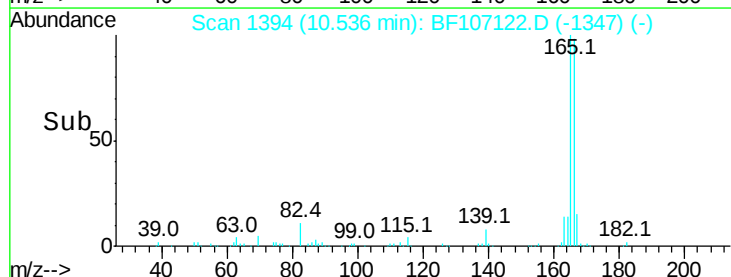
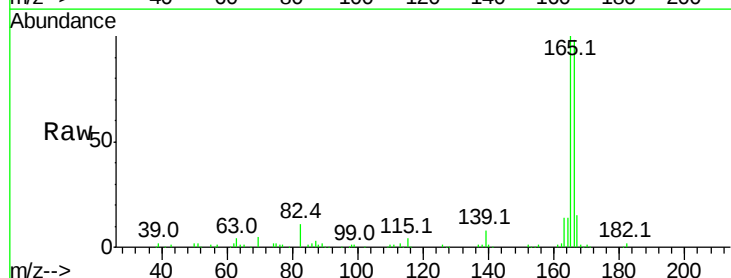
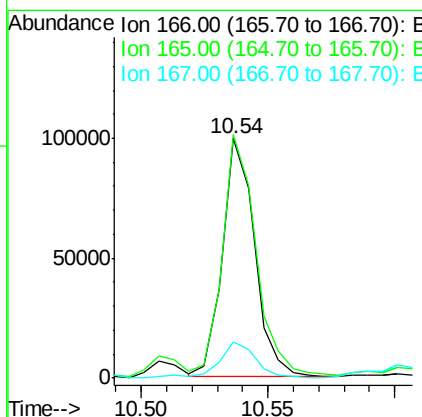
Manual Integrations
APPROVED

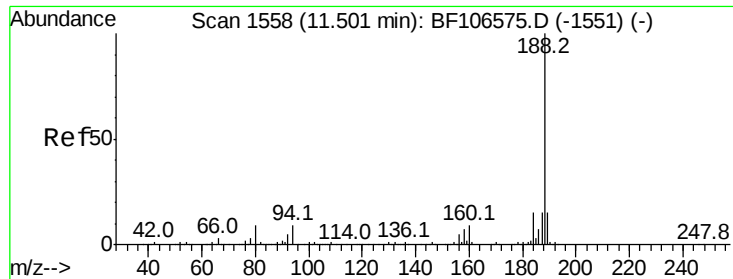
Sohil
7/6/2018 8:45:02 AM



#57
Fluorene
Concen: 9.957 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	15.3	10.6	16.0





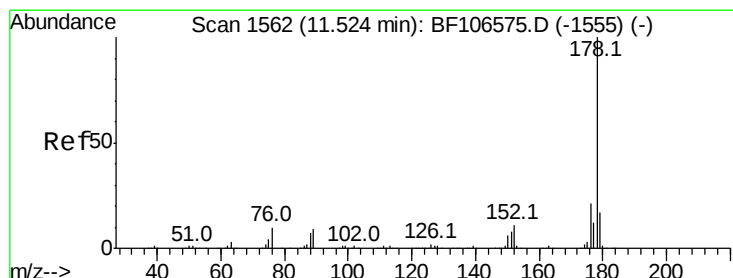
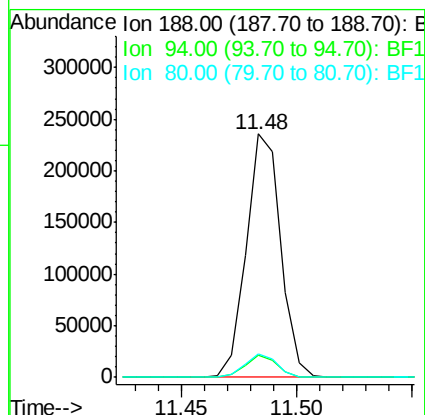
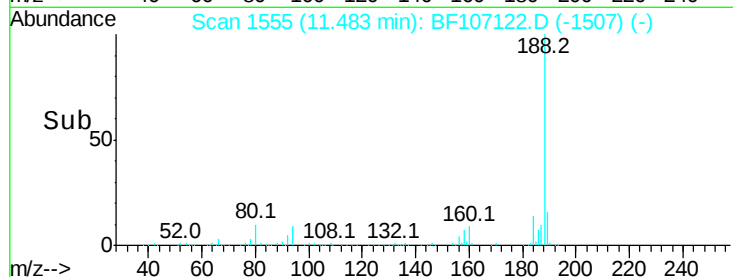
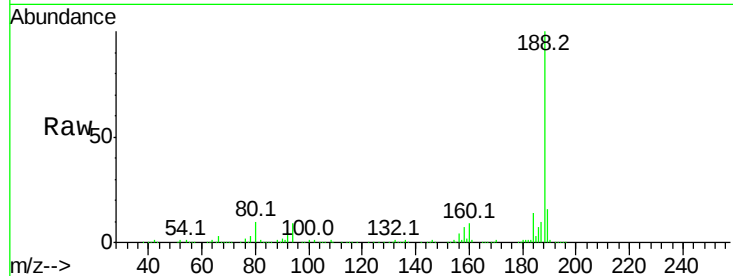
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	245174		
94	9.2		8.5	12.7
80	9.5		9.2	13.8

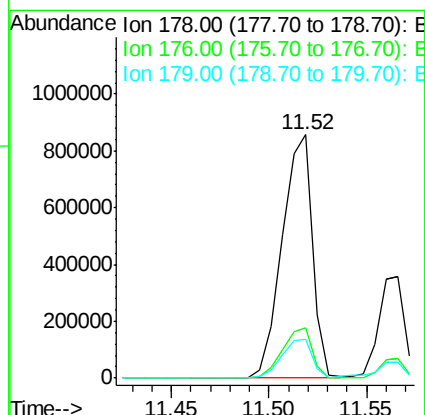
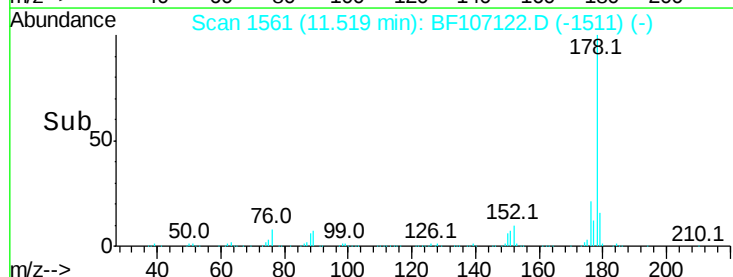
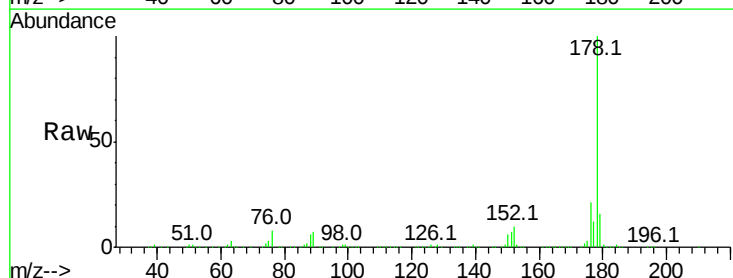
Manual Integrations
APPROVED

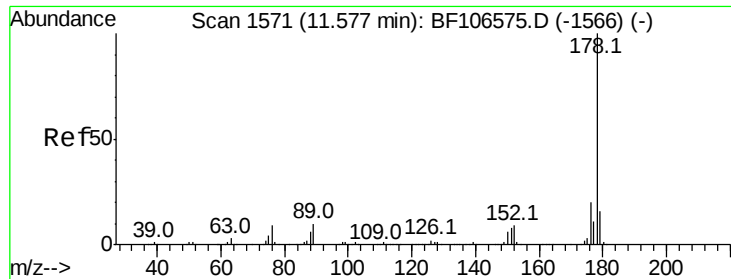
Sohil
7/6/2018 8:45:02 AM



#70
Phenanthrene
Concen: 77.632 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	918020		
176	20.6		15.8	23.8
179	16.0		13.0	19.6





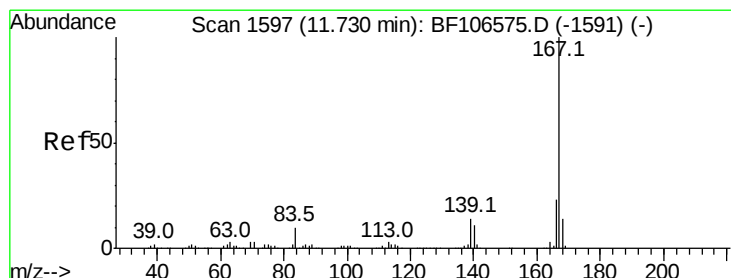
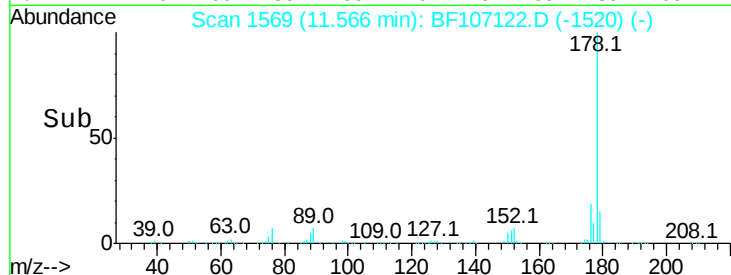
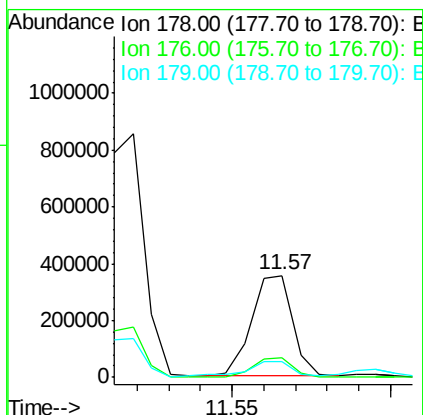
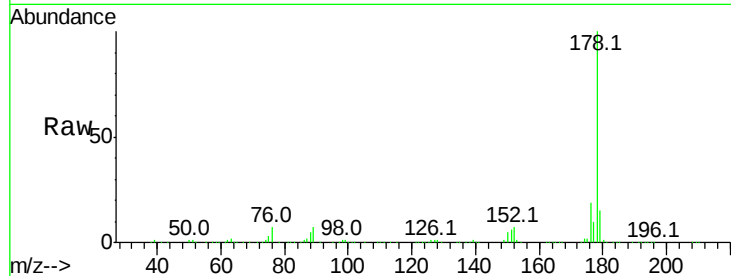
#71
 Anthracene
 Concen: 26.511 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Instrument :
 BNA_F
 ClientSampled :
 B-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0

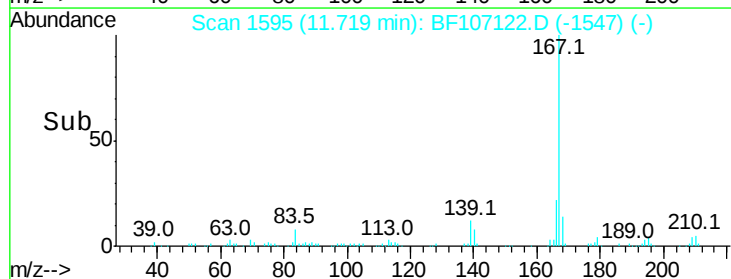
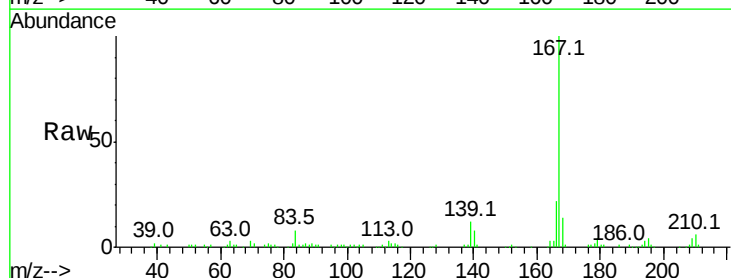
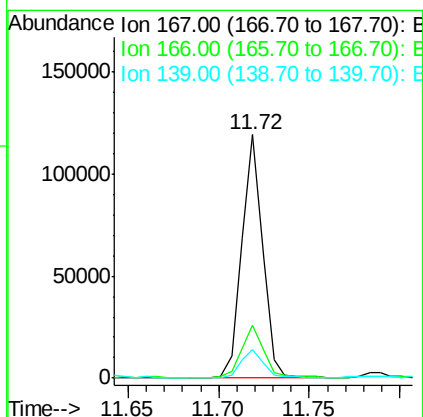
Manual Integrations
 APPROVED

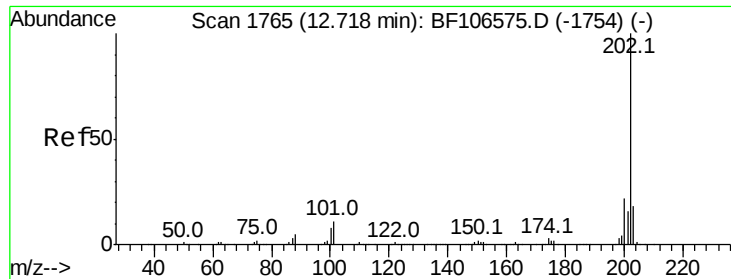
Sohil
 7/6/2018 8:45:02 AM



#72
 Carbazole
 Concen: 8.482 ng
 RT: 11.72 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	11.8	10.9	16.3





#74

Fluoranthene

Concen: 118.023 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Instrument :

BNA_F

ClientSampled :

B-5

Tot Ion:202 Resp: 1538293

Ion Ratio Lower Upper

202 100

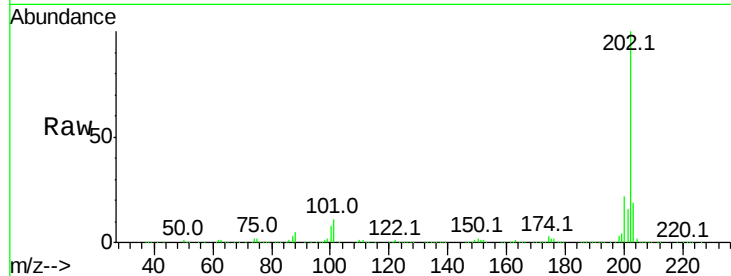
101 10.7 0.0 34.1

203 18.8 0.0 38.1

Manual Integrations
APPROVED

Sohil

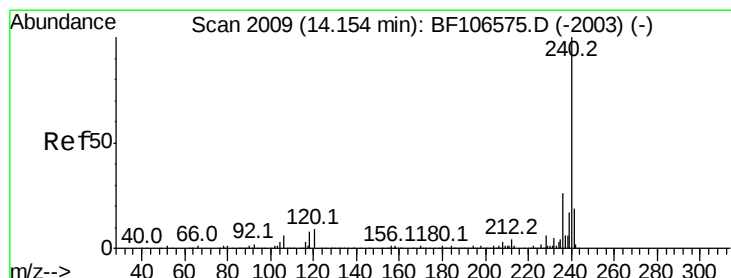
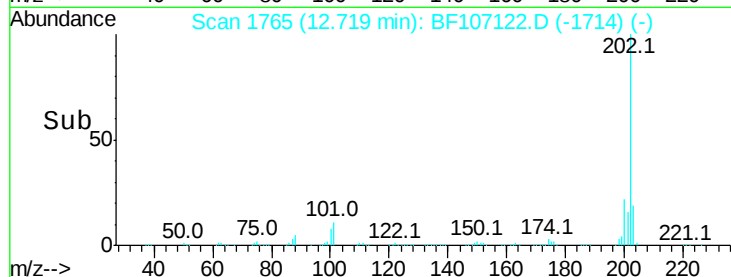
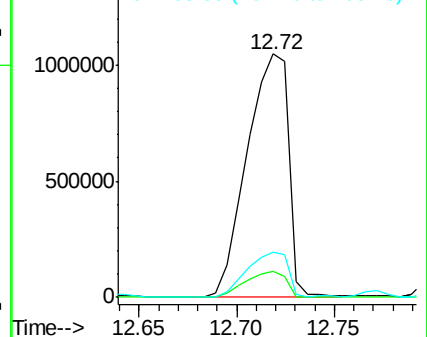
7/6/2018 8:45:02 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Tgt Ion:240 Resp: 145219

Ion Ratio Lower Upper

240 100

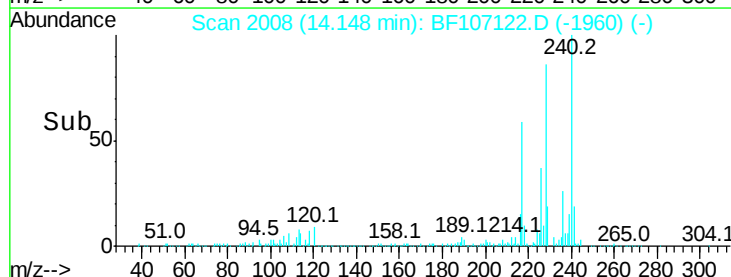
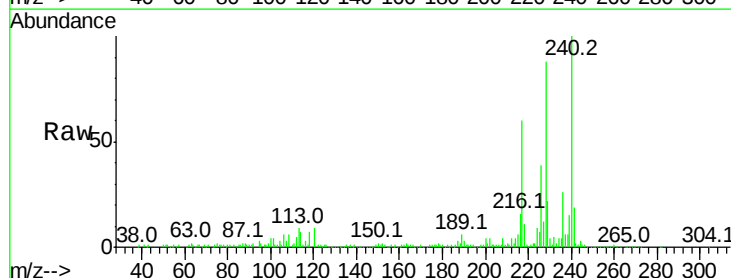
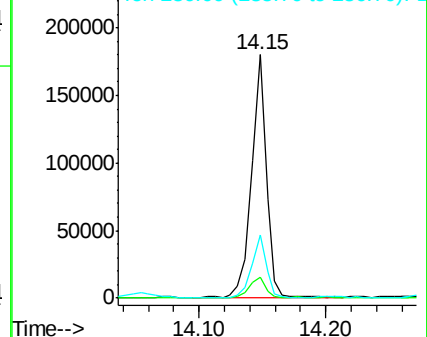
120 8.6 9.5 14.3#

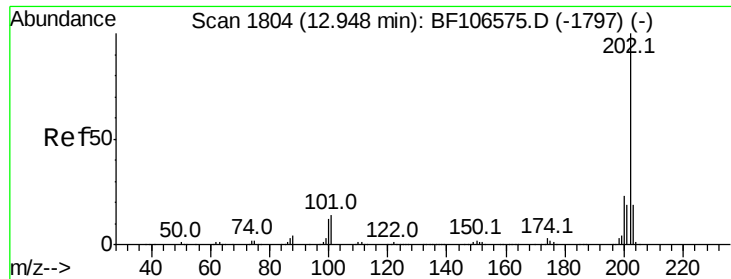
236 25.8 20.7 31.1

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 143.660 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Instrument :

BNA_F

ClientSampled :

B-5

Tot Ion:202 Resp: 1375711

Ion Ratio Lower Upper

202 100

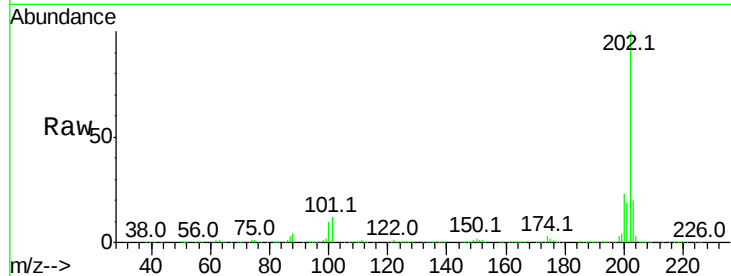
200 23.4 17.4 26.2

203 20.1 14.3 21.5

Manual Integrations
APPROVED

Sohil

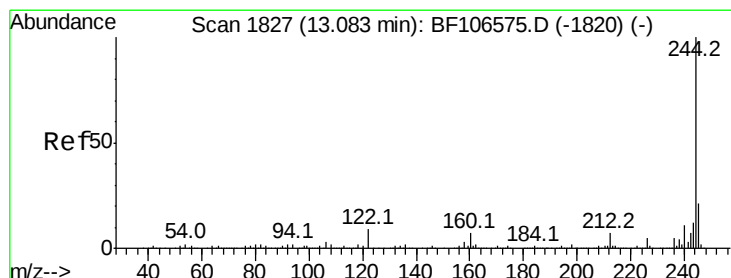
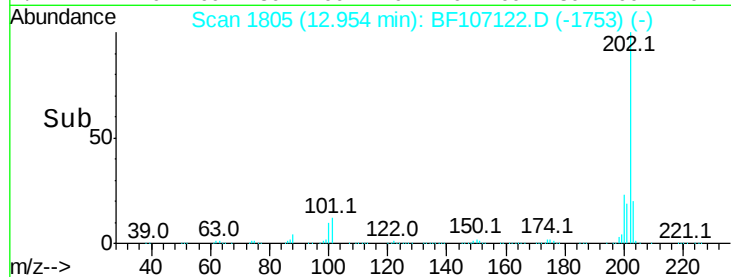
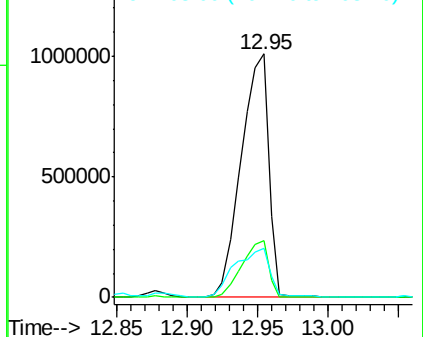
7/6/2018 8:45:02 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 97.130 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107122.D

Acq: 5 Jul 2018 13:07

Tgt Ion:244 Resp: 582302

Ion Ratio Lower Upper

244 100

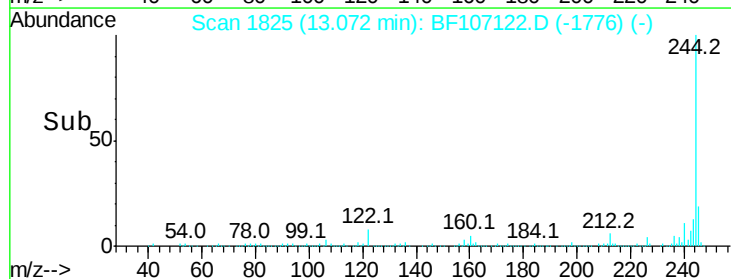
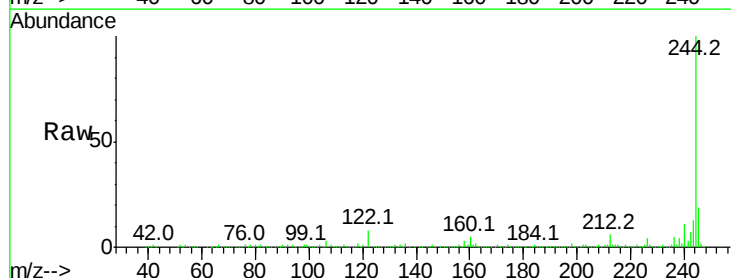
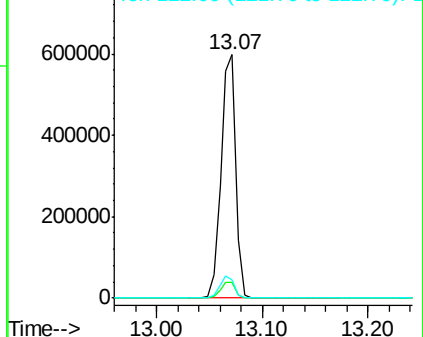
212 6.4 5.4 8.0

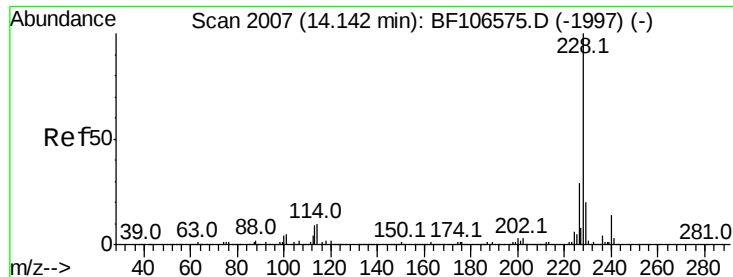
122 7.7 11.0 16.4#

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





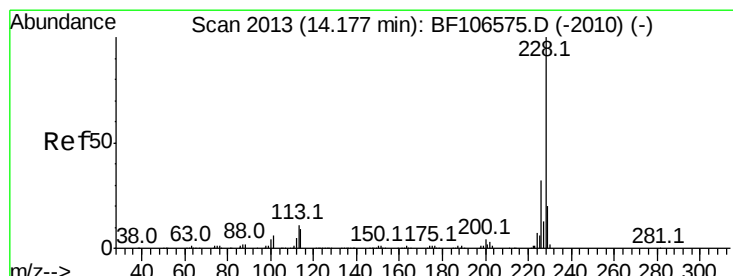
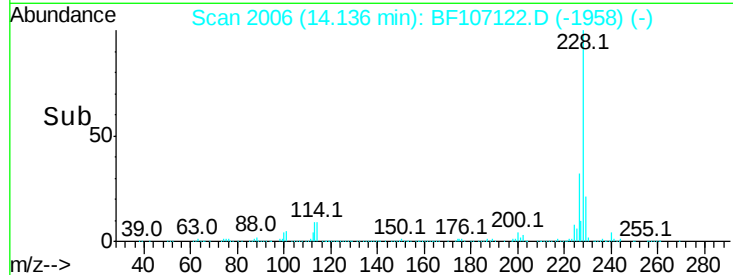
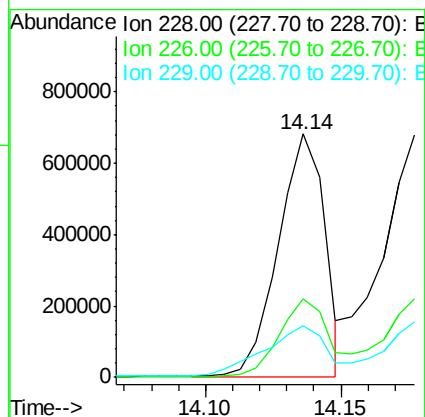
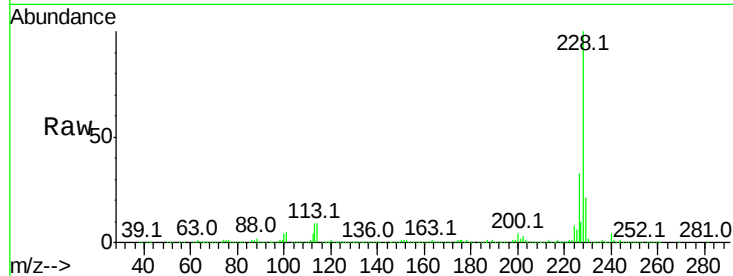
#80
Benzo(a)anthracene
Concen: 93.022 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion:	228	Resp:	823310
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.6	33.8
229	21.2	15.8	23.6

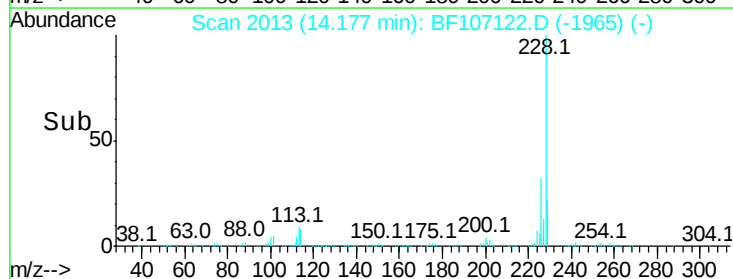
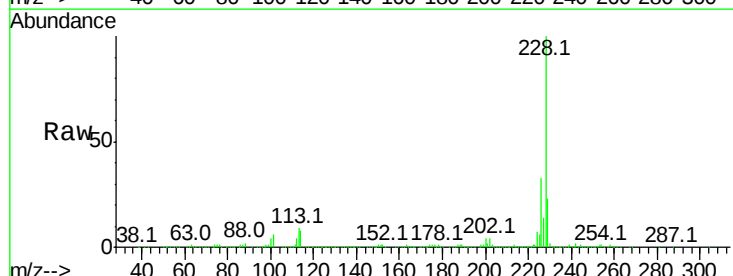
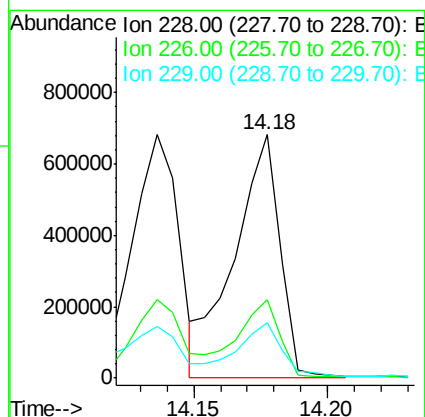
Manual Integrations
APPROVED

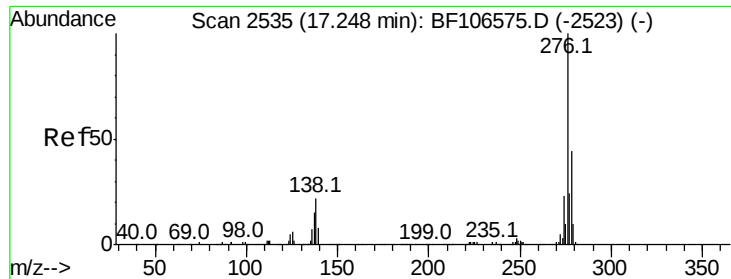
Sohil
7/6/2018 8:45:02 AM



#82
Chrysene
Concen: 100.640 ng m
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion:	228	Resp:	819467
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	23.0	16.2	24.4





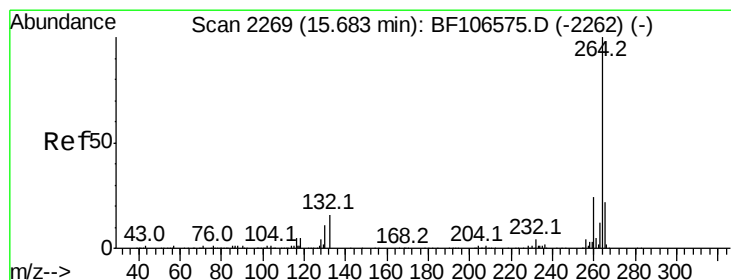
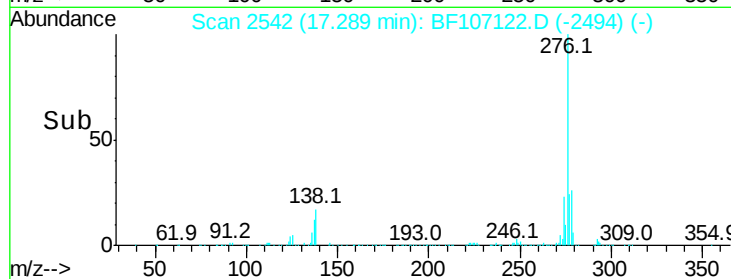
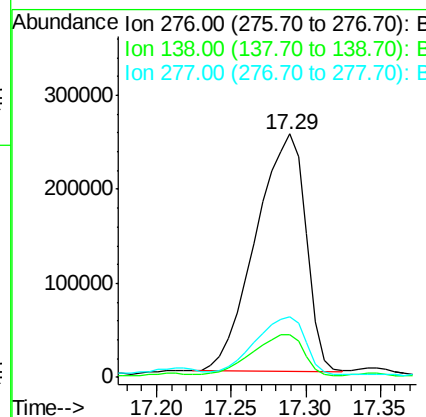
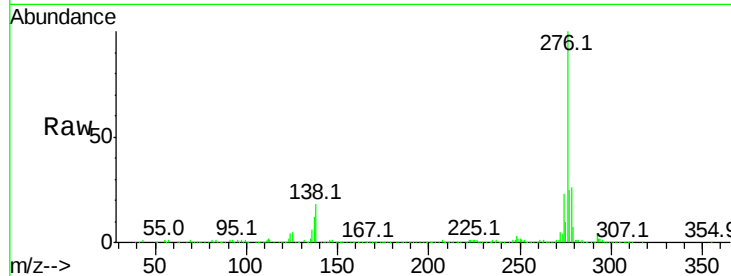
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 85.567 ng
 RT: 17.29 min Scan# 2542
 Delta R.T. -0.02 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	25.0	37.6#
277	25.0	20.1	30.1

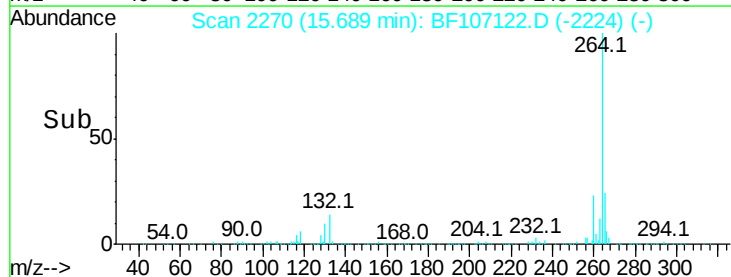
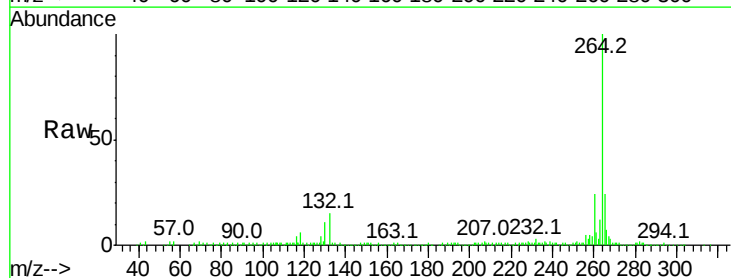
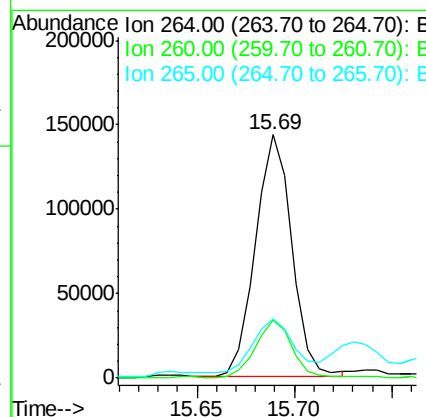
Manual Integrations
 APPROVED

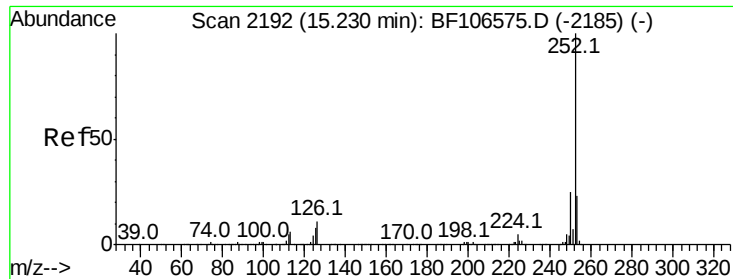
Sohil
 7/6/2018 8:45:02 AM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	24.3	17.5	26.3





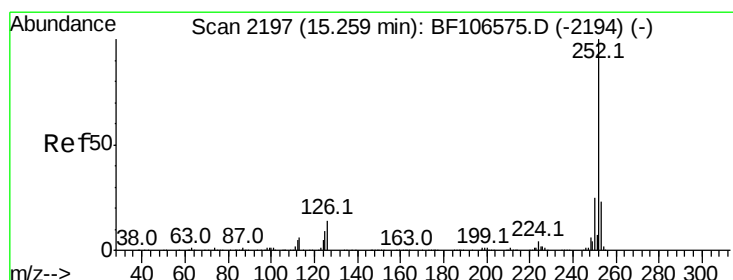
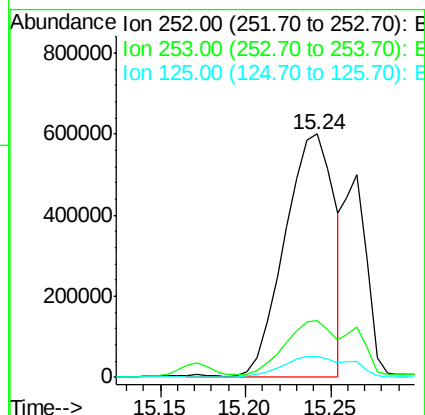
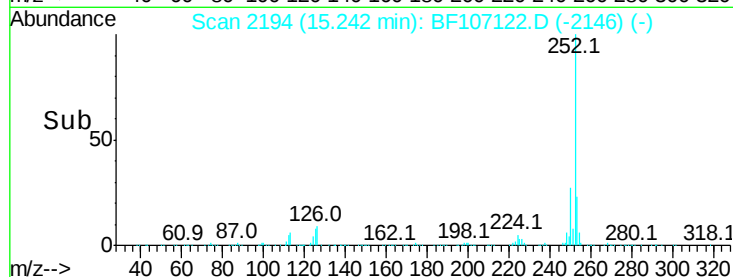
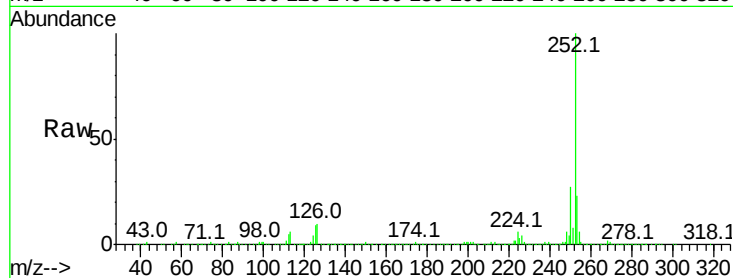
#87
Benzo(b)fluoranthene
Concen: 105.916 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion:252 Resp: 1213767
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 8.6 9.0 13.6#

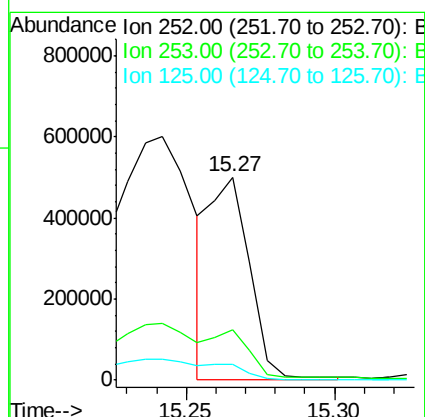
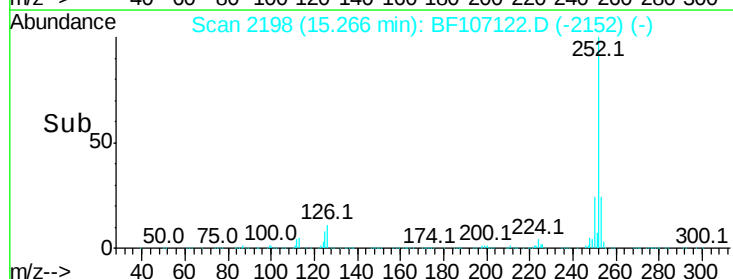
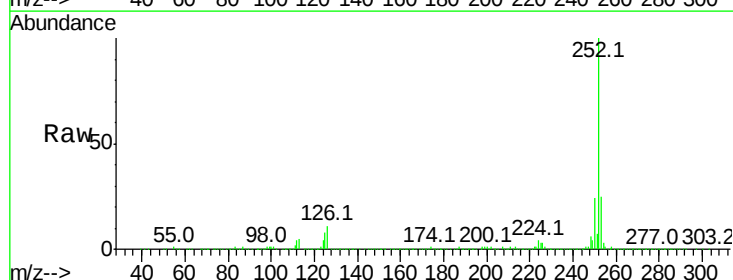
Manual Integrations
APPROVED

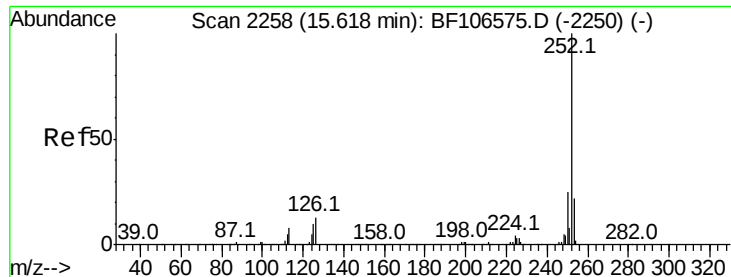
Sohil
7/6/2018 8:45:02 AM



#88
Benzo(k)fluoranthene
Concen: 42.469 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion:252 Resp: 463464
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 7.8 10.2 15.2#





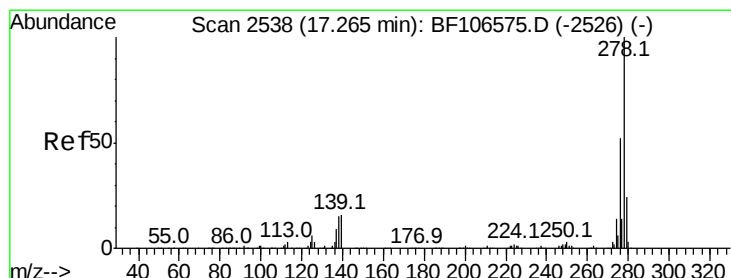
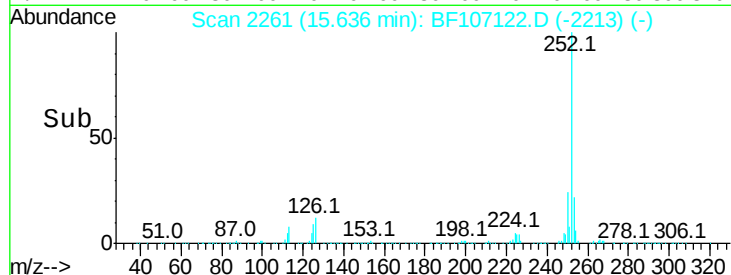
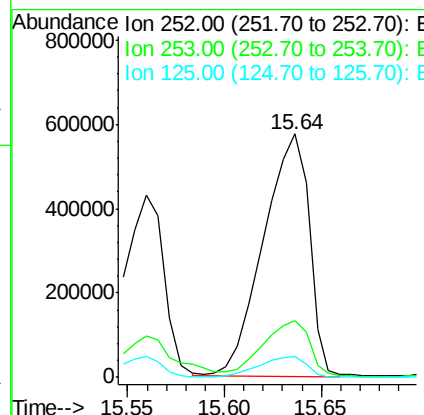
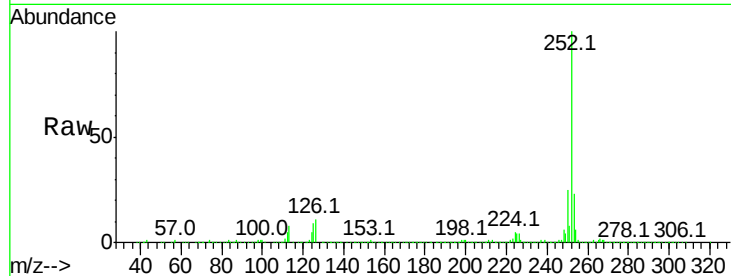
#89
Benzo(a)pyrene
Concen: 92.665 ng/ml
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	8.8	9.8	14.6

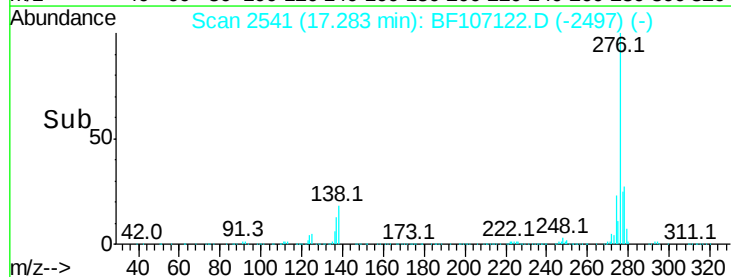
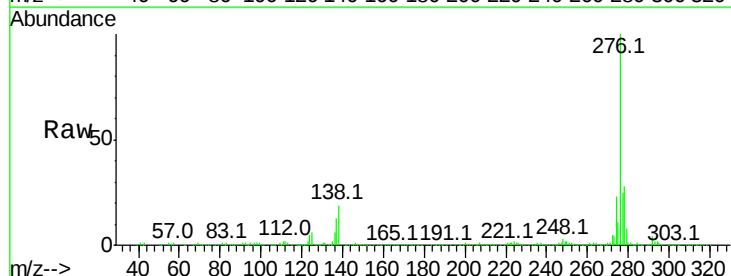
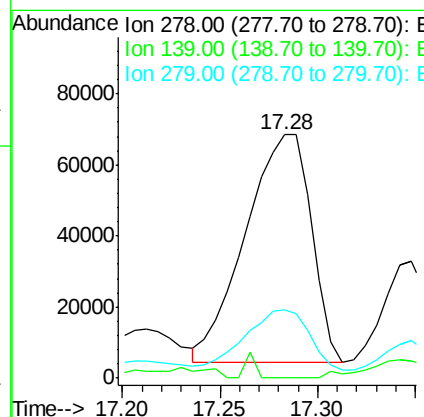
Manual Integrations
APPROVED

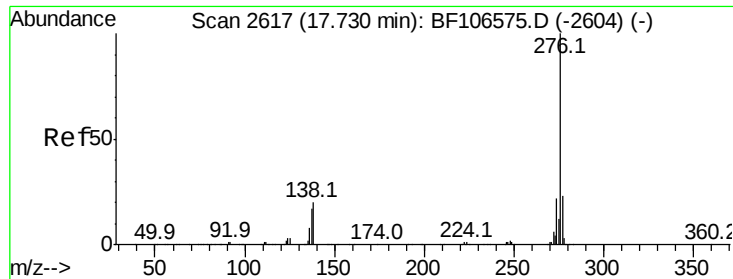
Sohil
7/6/2018 8:45:02 AM



#90
Dibenzo(a,h)anthracene
Concen: 17.292 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107122.D
Acq: 5 Jul 2018 13:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 65.631 ng
 RT: 17.78 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BF107122.D
 Acq: 5 Jul 2018 13:07

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	18.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/6/2018 8:45:02 AM

