

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106451.D
 Acq On : 14 Jun 2018 19:17
 Operator : JU/SJ
 Sample : J3488-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-RO-3091

Manual Integrations
 APPROVED

Sohil
 6/15/2018 11:16:51 AM

Quant Time: Jun 15 01:49:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131246	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	492524	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	210064	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	340246	20.00	ng	0.00
75) Chrysene-d12	14.15	240	335796	20.00	ng	0.00
86) Perylene-d12	15.69	264	248398	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	723673	93.32	ng	0.00
7) Phenol-d6	6.61	99	875899	89.40	ng	0.00
23) Nitrobenzene-d5	7.52	82	565652	67.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	188155	93.09	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	884734	70.81	ng	0.00
78) Terphenyl-d14	13.08	244	779443	57.65	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	103956	6.927	ng	Qvalue # 99
70) Phenanthrene	11.52	178	41980	2.519	ng	99
74) Fluoranthene	12.71	202	349497	19.667	ng	97
77) Pyrene	12.95	202	317308	15.093	ng	99
80) Benzo(a)anthracene	14.14	228	117449	5.877	ng	99
82) Chrysene	14.18	228	233657	12.807	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	37216	2.556	ng	# 90
87) Benzo(b)fluoranthene	15.23	252	202419m	13.481	ng	
88) Benzo(k)fluoranthene	15.26	252	55056m	3.702	ng	
89) Benzo(a)pyrene	15.62	252	67657	5.010	ng	98
91) Benzo(g,h,i)perylene	17.72	276	30571	2.794	ng	# 91

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

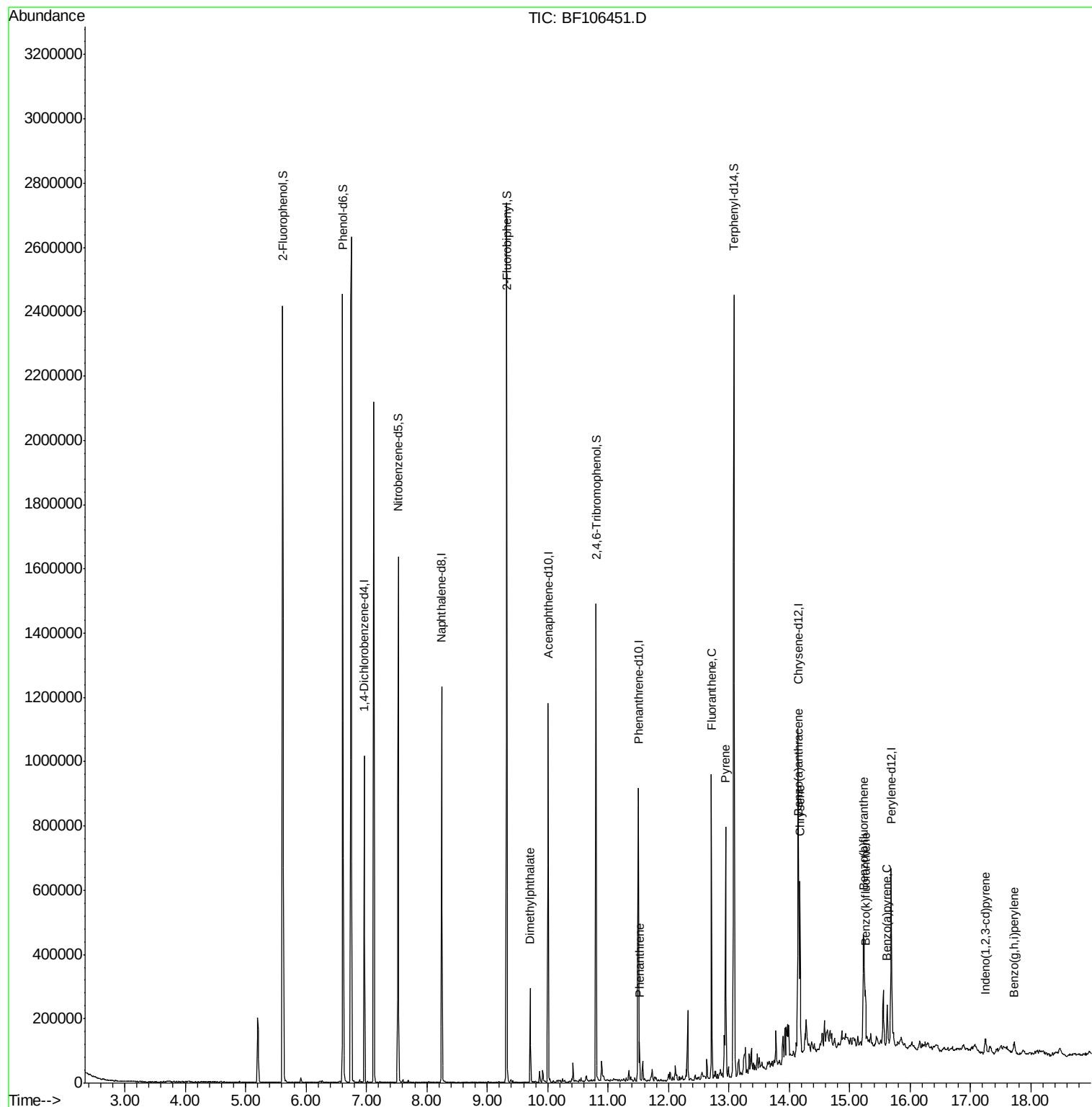
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
Data File : BF106451.D
Acq On : 14 Jun 2018 19:17
Operator : JU/SJ
Sample : J3488-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

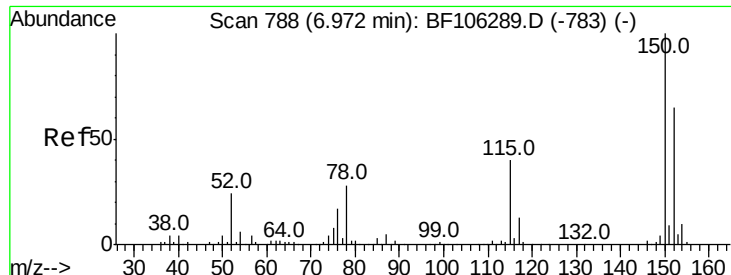
Instrument :
BNA_F
ClientSampleId :
FS-RO-3091

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM

Quant Time: Jun 15 01:49:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 14 18:39:24 2018
Response via : Initial Calibration





#1

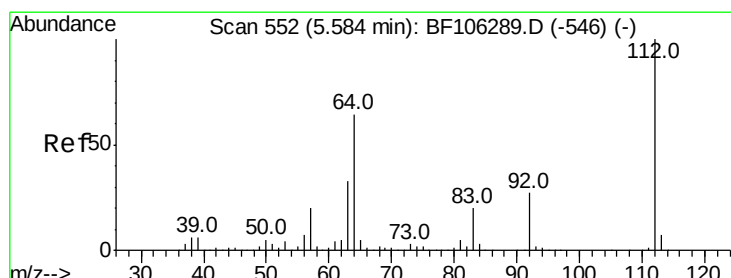
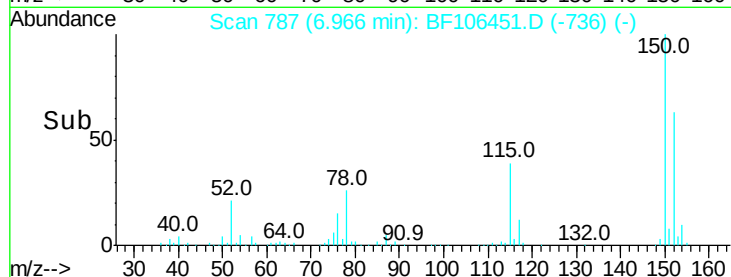
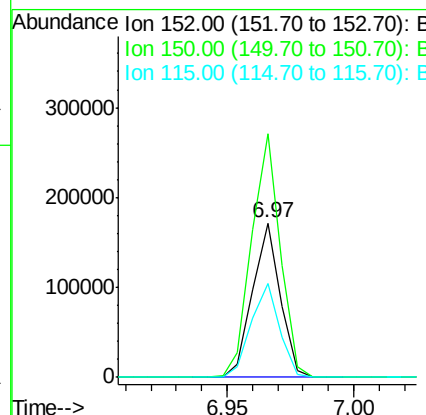
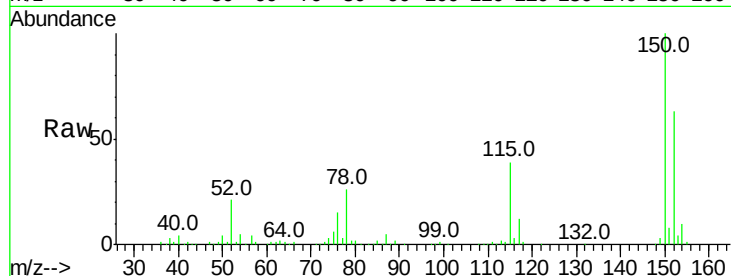
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Instrument :
BNA_F
ClientSampleId :
FS-RO-3091

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
APPROVED

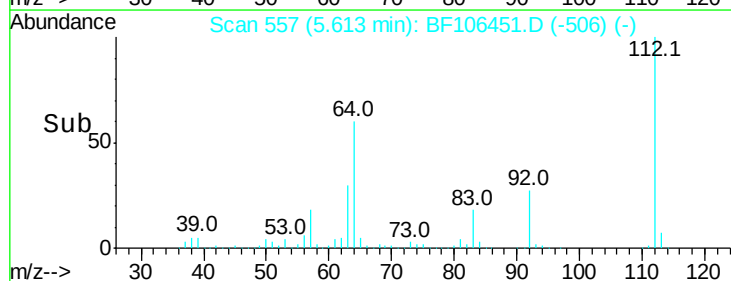
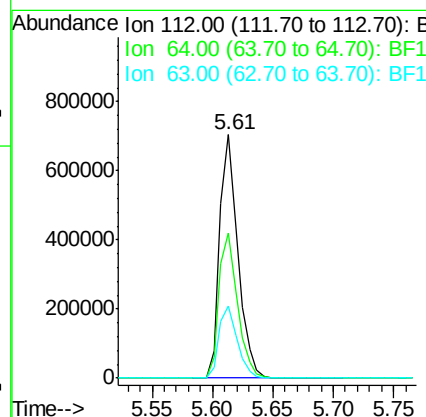
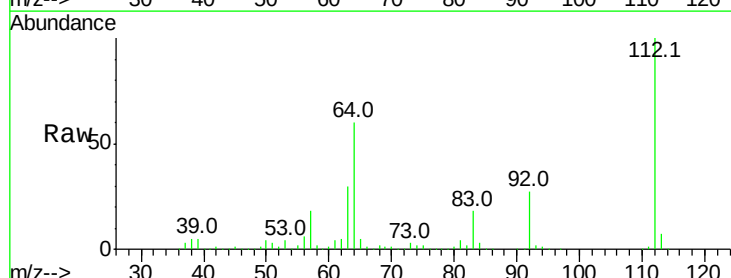
Sohil
6/15/2018 11:16:51 AM

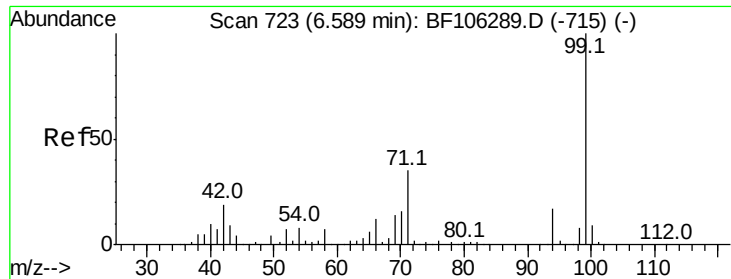


#5

2-Fluorophenol
Concen: 93.322 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 89.403 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

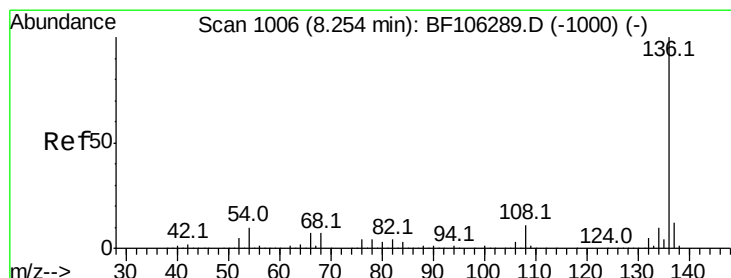
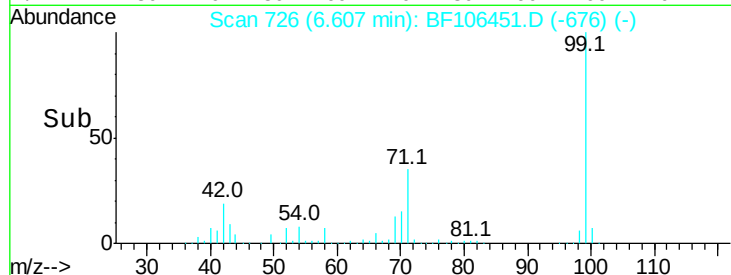
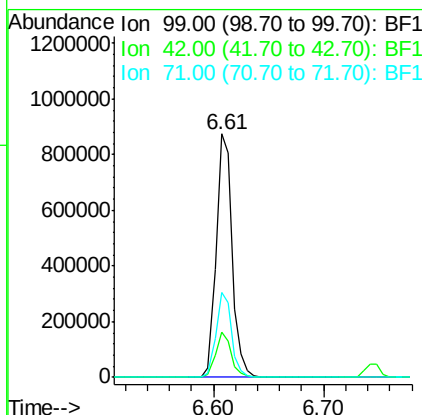
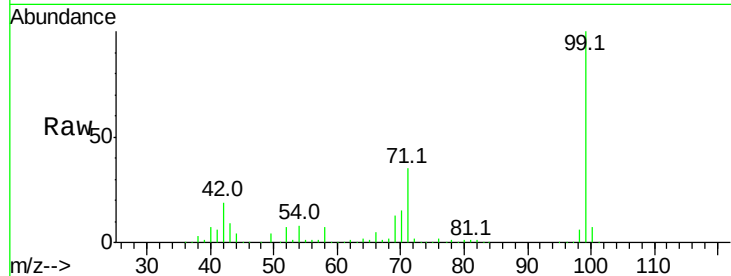
ClientSampled :

FS-RO-3091

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		875899		
42	18.6	14.5	21.7		
71	35.0	25.4	38.0		

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM



#21

Naphthalene-d8

Concen: 20.000 ng

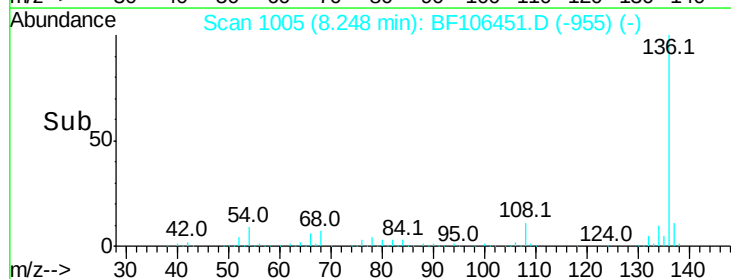
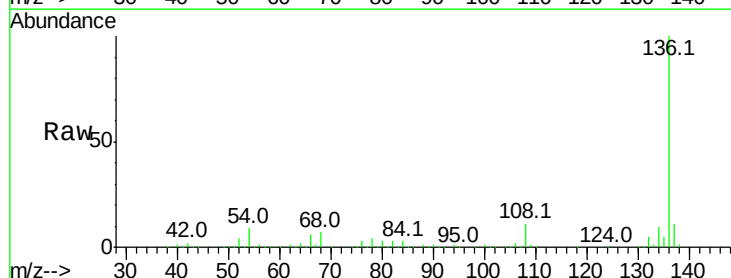
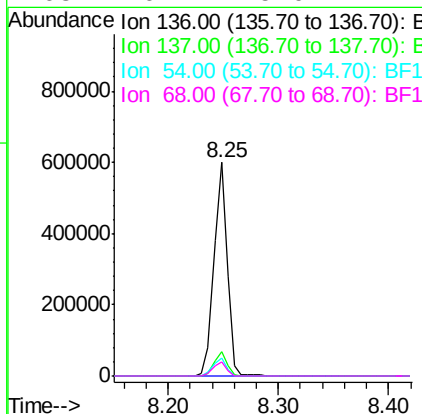
RT: 8.25 min Scan# 1005

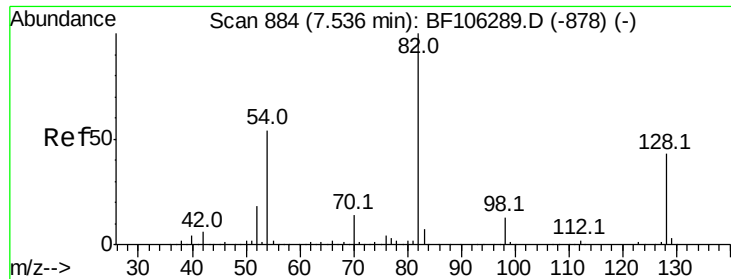
Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		492524		
137	11.5	8.9	13.3		
54	8.6	6.6	9.8		
68	6.7	5.0	7.4		





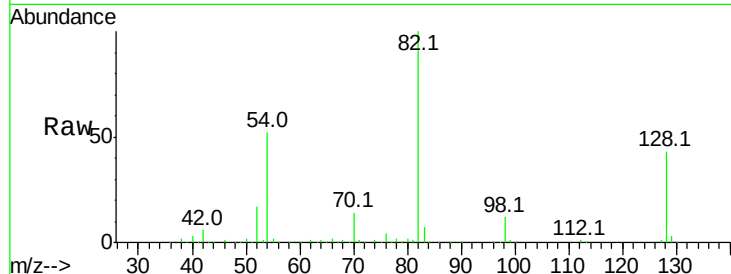
#23
Nitrobenzene-d5
Concen: 67.563 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Instrument :
BNA_F
ClientSampleId :
FS-RO-3091

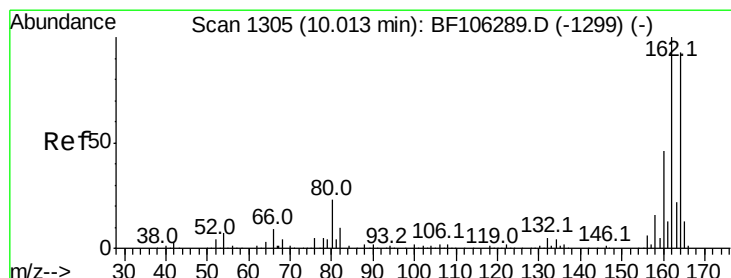
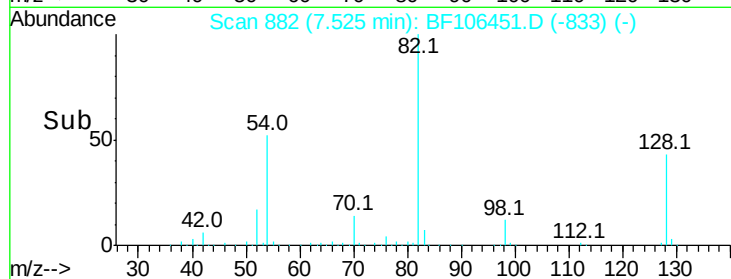
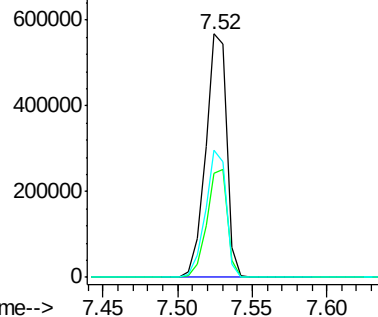
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.6	36.1	54.1	
54	52.3	41.4	62.2	

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM



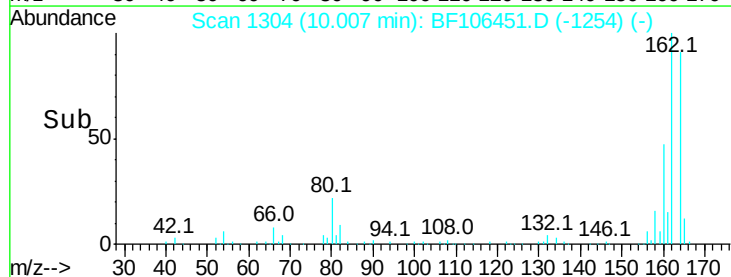
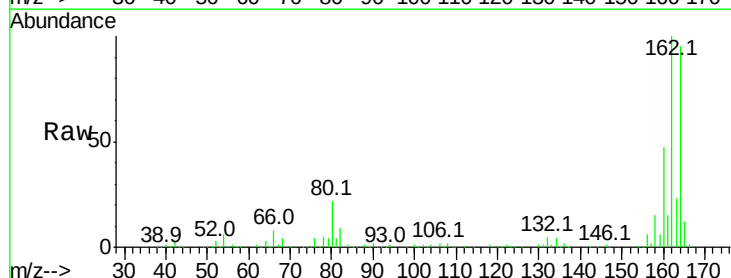
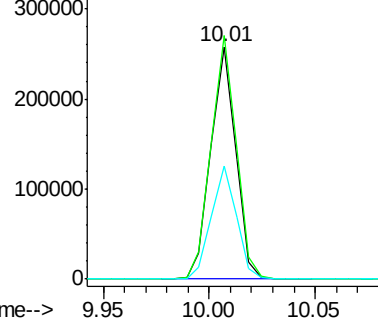
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

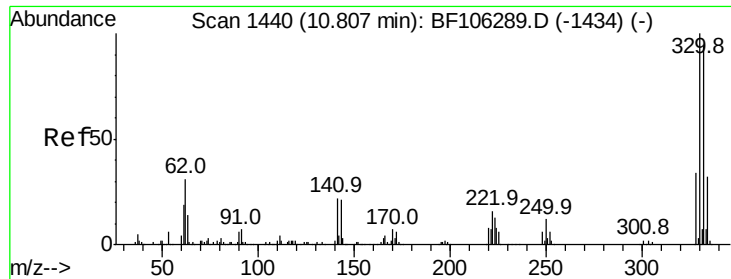


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	86.1	129.1	
160	48.9	38.3	57.5	

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





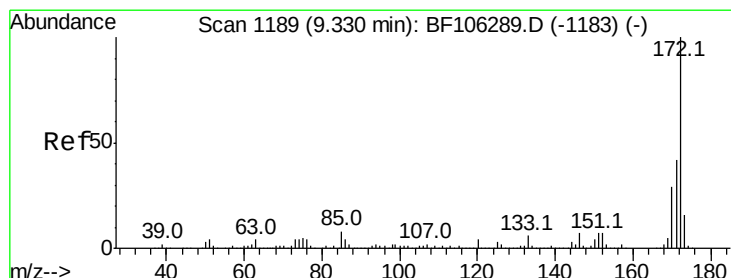
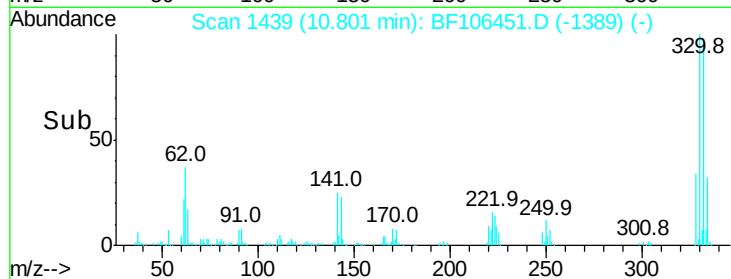
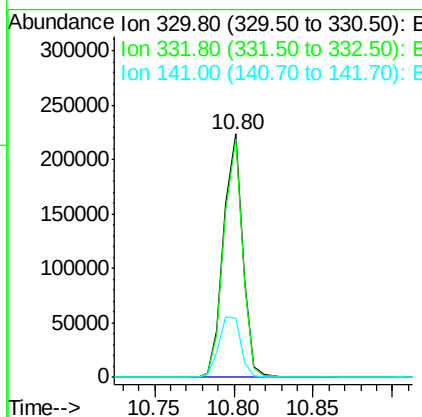
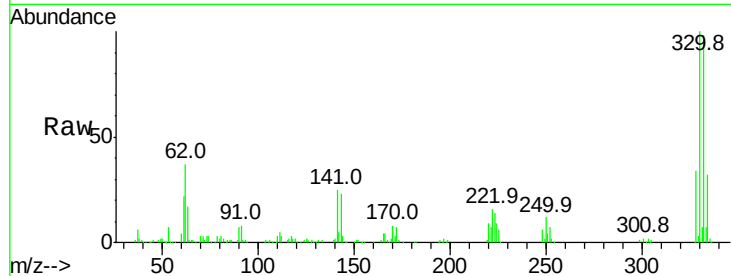
#41
 2,4,6-Tribromophenol
 Concen: 93.092 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106451.D
 Acq: 14 Jun 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 FS-RO-3091

Tot Ion	Ratio	Resp	Lower	Upper
330	100	188155		
332	96.8	77.0	115.6	
141	28.9	29.9	44.9#	

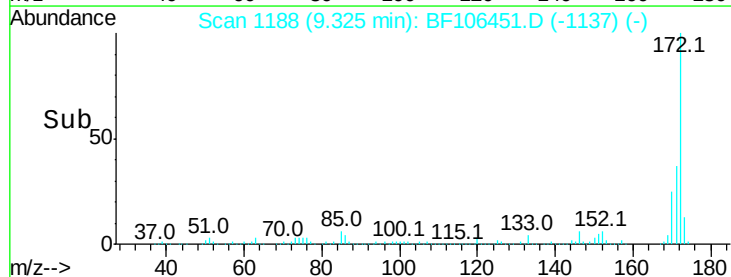
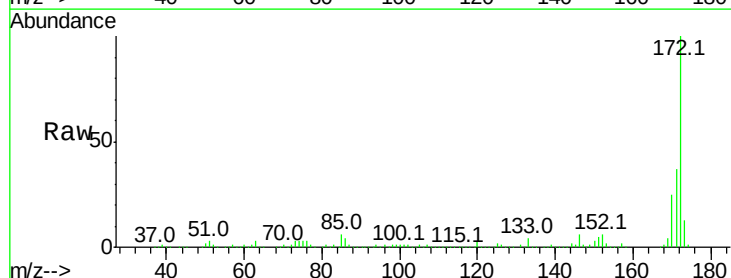
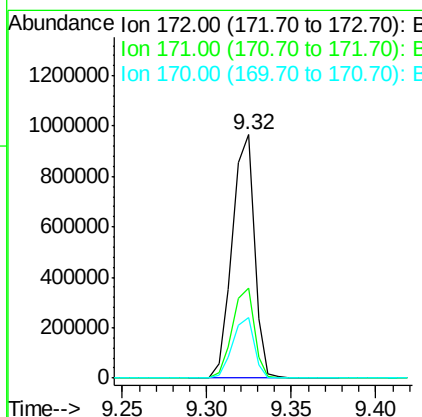
Manual Integrations
 APPROVED

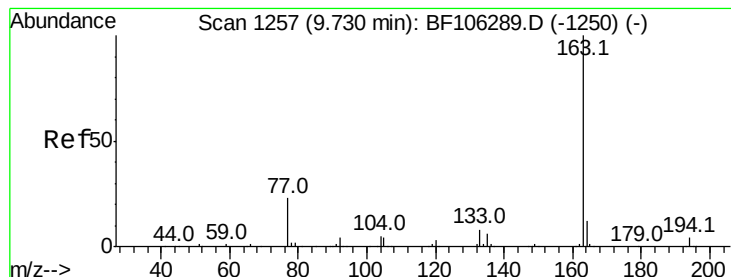
Sohil
 6/15/2018 11:16:51 AM



#44
 2-Fluorobiphenyl
 Concen: 70.809 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF106451.D
 Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	884734		
171	36.8	29.7	44.5	
170	24.9	19.6	29.4	





#49

Dimethylphthalate

Concen: 6.927 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

ClientSampleId :

FS-RO-3091

Tot Ion:163 Resp: 103956

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

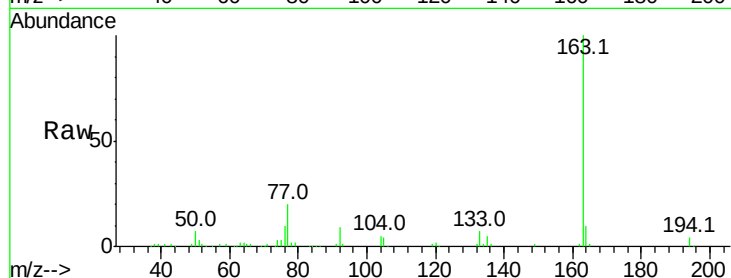
164 10.0 8.2 12.2

Manual Integrations

APPROVED

Sohil

6/15/2018 11:16:51 AM

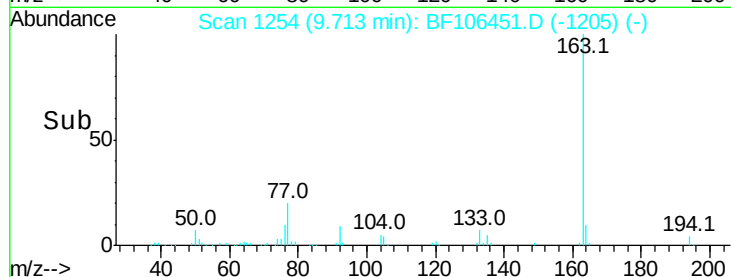


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

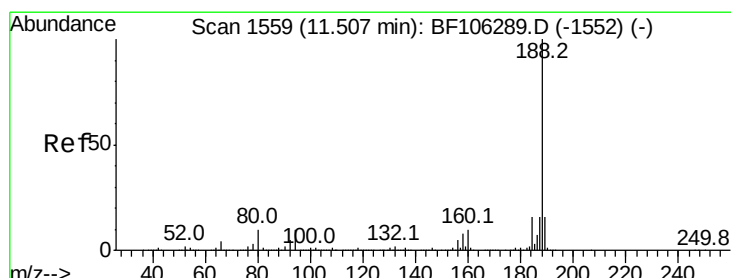
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

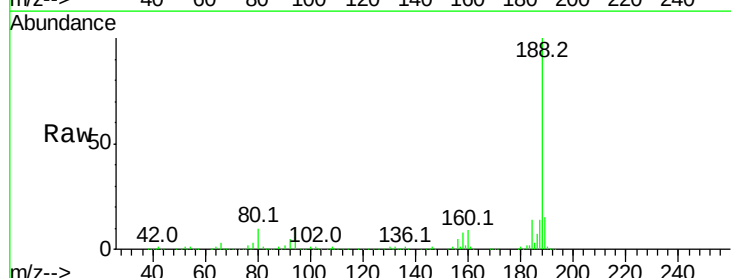
Tgt Ion:188 Resp: 340246

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

80 9.6 9.2 13.8

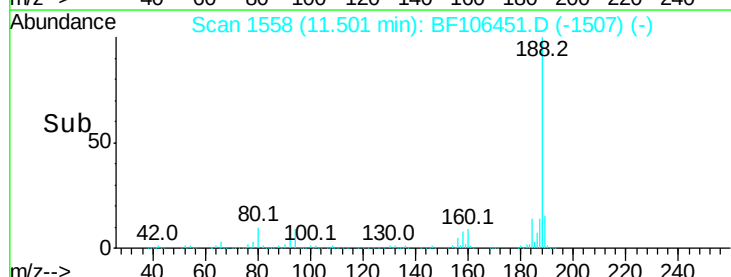


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

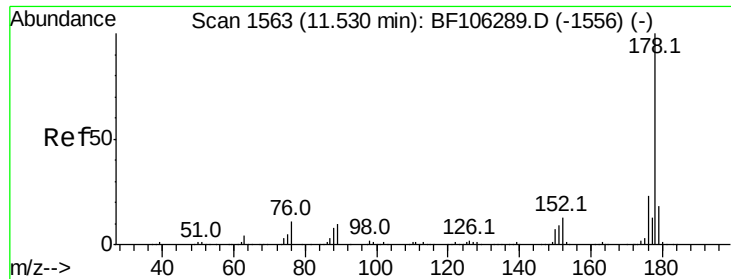
Ion 80.00 (79.70 to 80.70): BF1

Time-->



Abundance

Time-->



#70

Phenanthrene

Concen: 2.519 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

ClientSampleId :

FS-RO-3091

Tot Ion:178 Resp: 41980

Ion Ratio Lower Upper

178 100

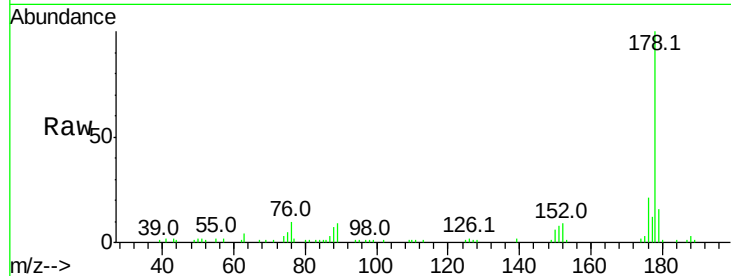
176 21.0 15.8 23.8

179 16.3 13.0 19.6

Manual Integrations
APPROVED

Sohil

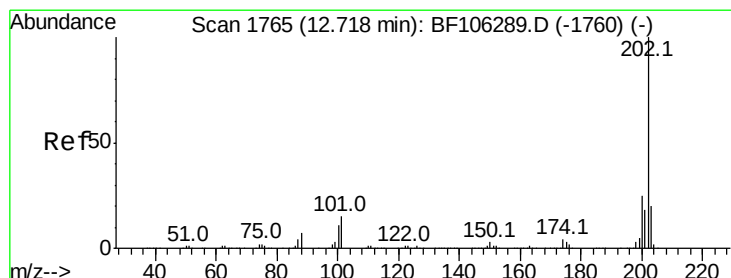
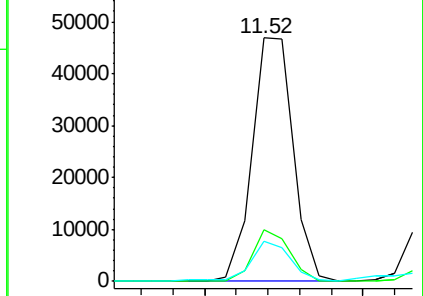
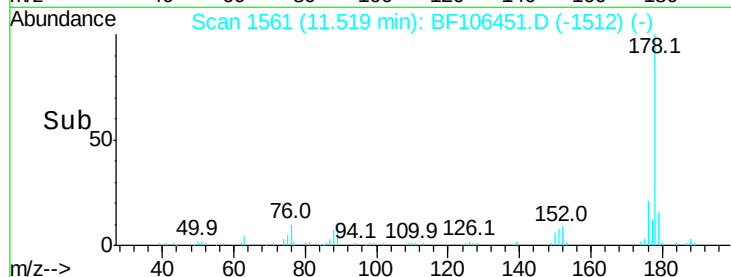
6/15/2018 11:16:51 AM



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: 19.667 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

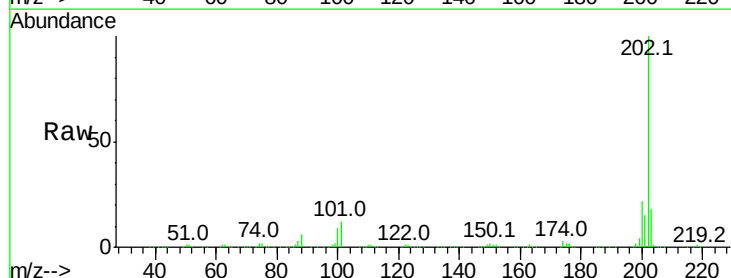
Tgt Ion:202 Resp: 349497

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

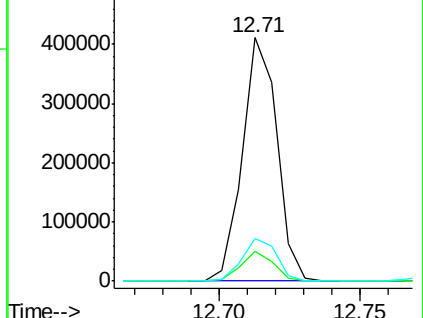
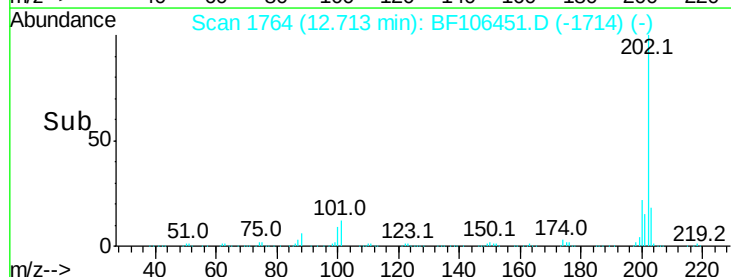
203 17.6 0.0 38.1

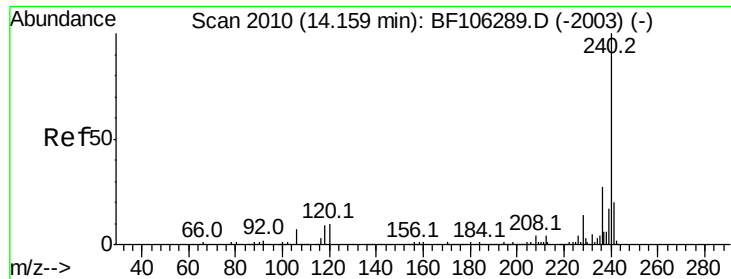


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2009

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

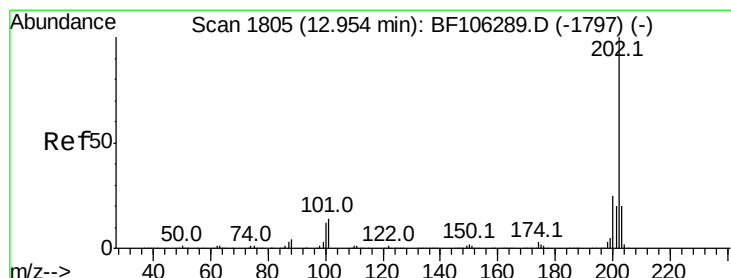
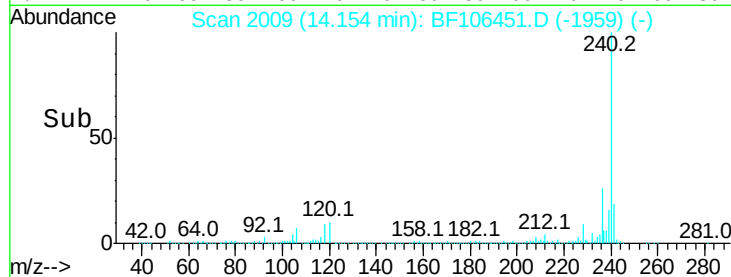
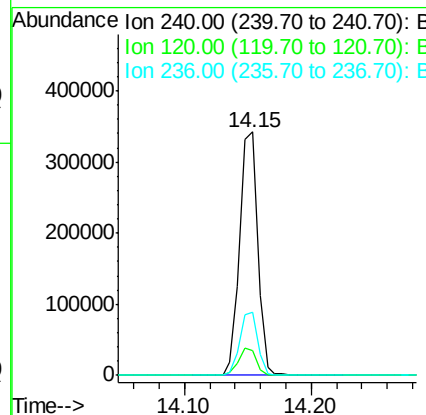
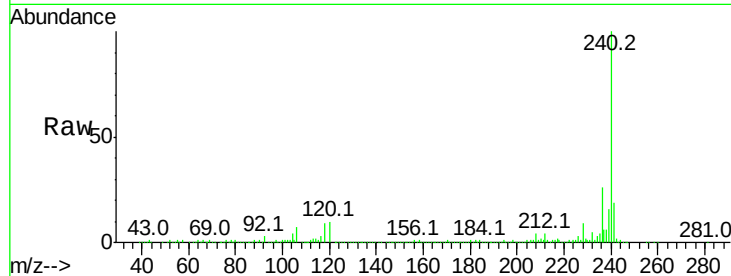
ClientSampleId :

FS-RO-3091

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM



#77

Pyrene

Concen: 15.093 ng

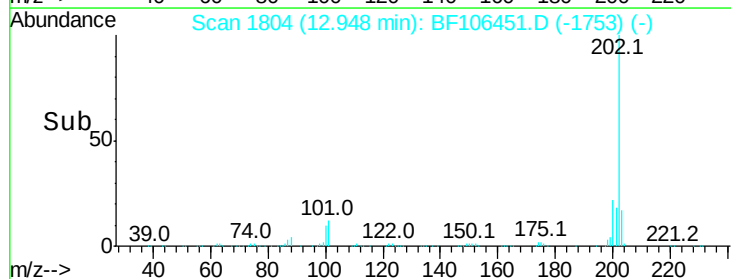
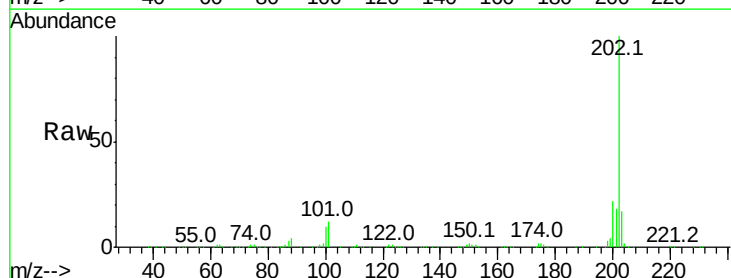
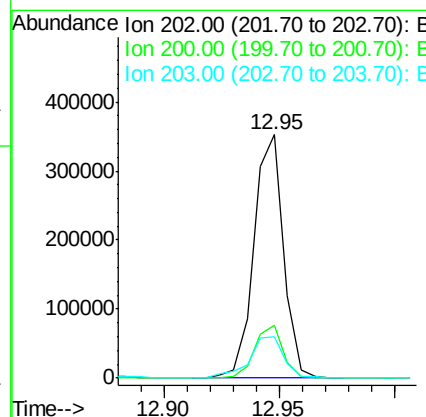
RT: 12.95 min Scan# 1804

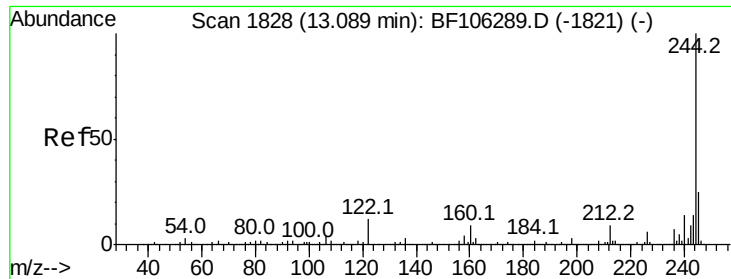
Delta R.T. -0.00 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 57.653 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

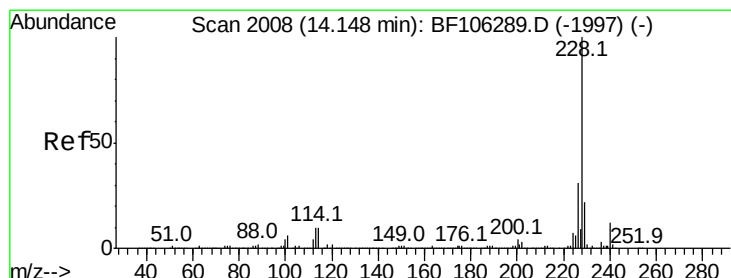
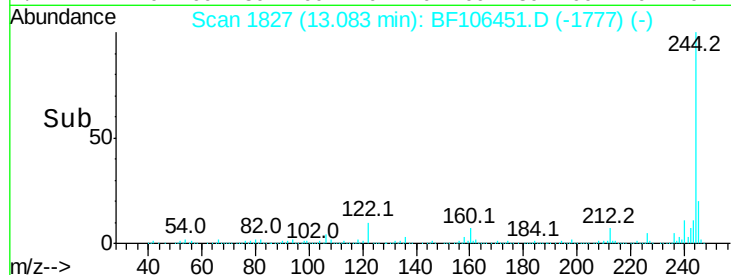
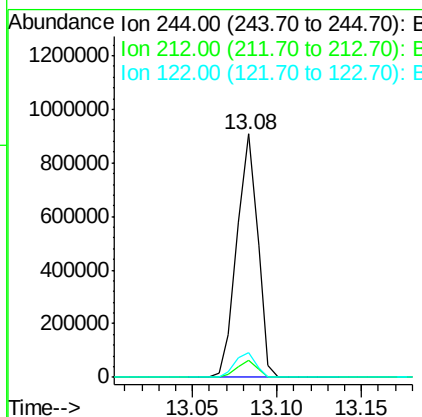
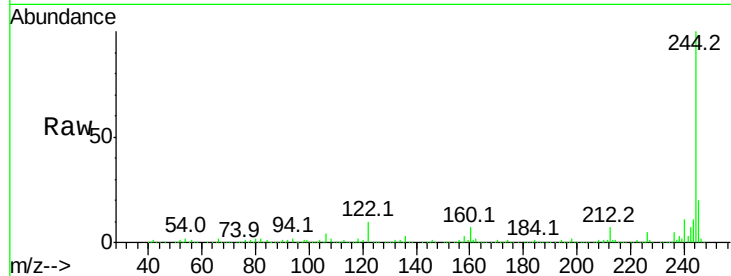
ClientSampleId :

FS-RO-3091

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	11.0	16.4

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM



#80

Benzo(a)anthracene

Concen: 5.877 ng

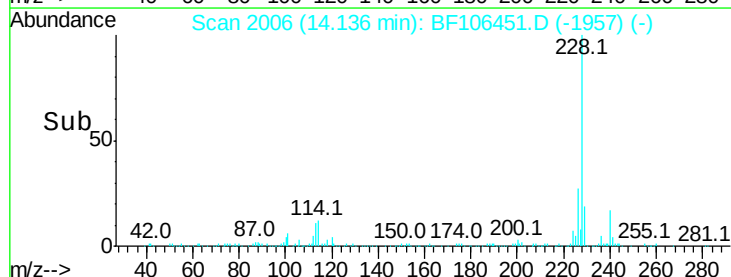
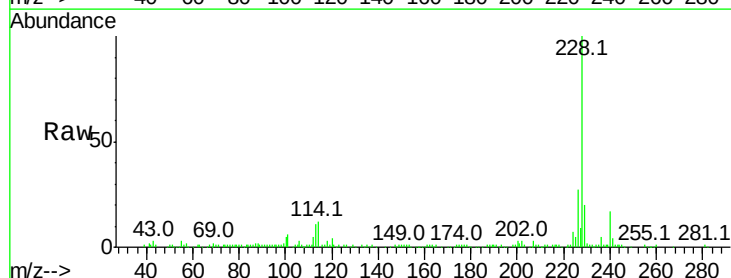
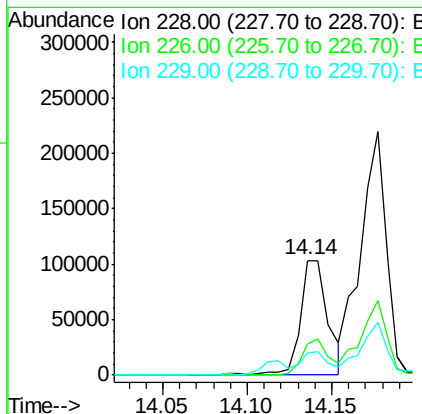
RT: 14.14 min Scan# 2006

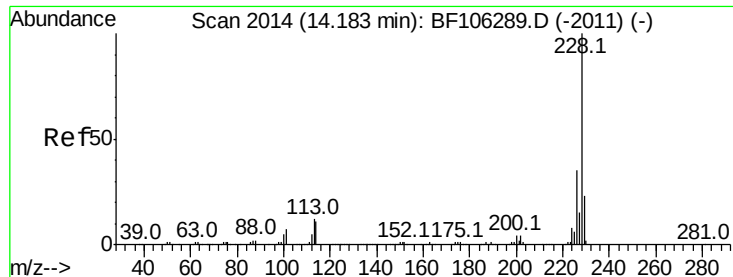
Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 12.807 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Instrument :

BNA_F

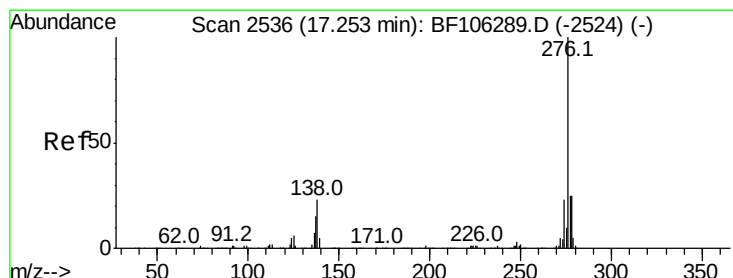
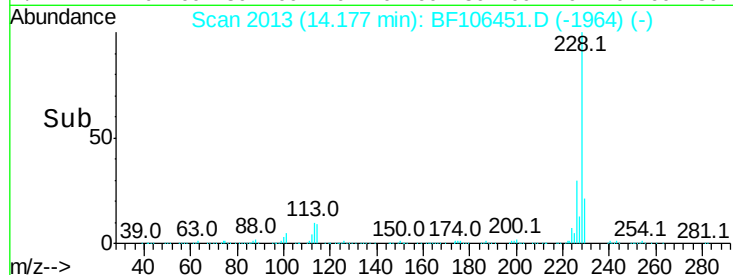
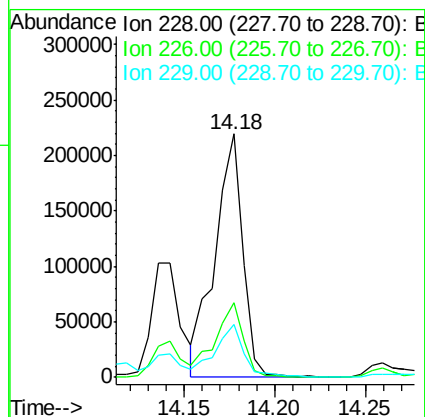
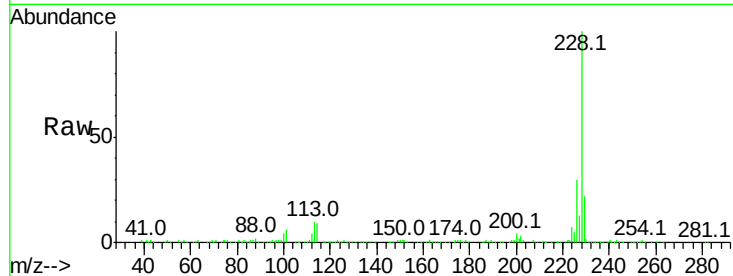
ClientSampled :

FS-RO-3091

Tot Ion:	228	Resp:	233657
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.8	16.2	24.4

Manual Integrations
APPROVED

Sohil
6/15/2018 11:16:51 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.556 ng

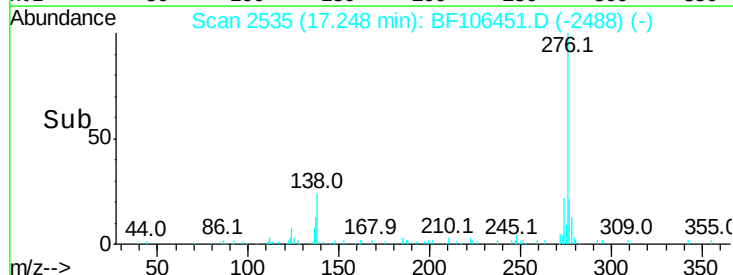
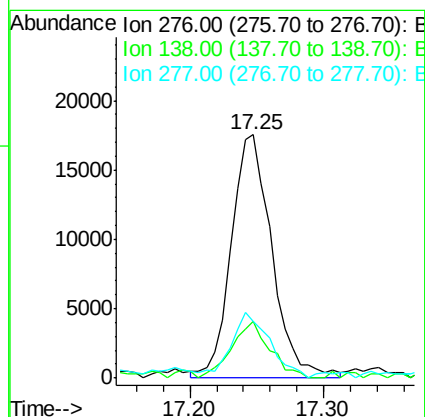
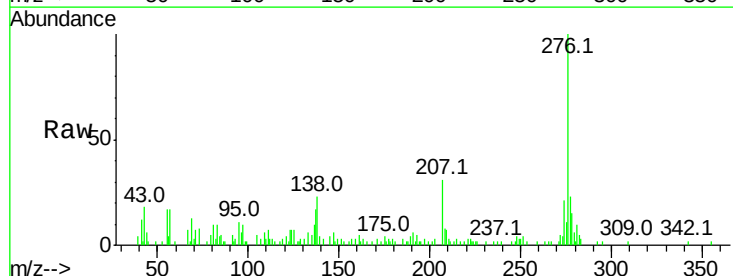
RT: 17.25 min Scan# 2535

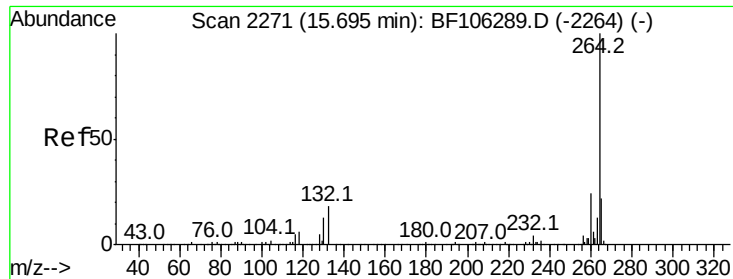
Delta R.T. -0.02 min

Lab File: BF106451.D

Acq: 14 Jun 2018 19:17

Tgt Ion:	276	Resp:	37216
Ion Ratio	Lower	Upper	
276	100		
138	22.1	25.0	37.6#
277	25.7	20.1	30.1





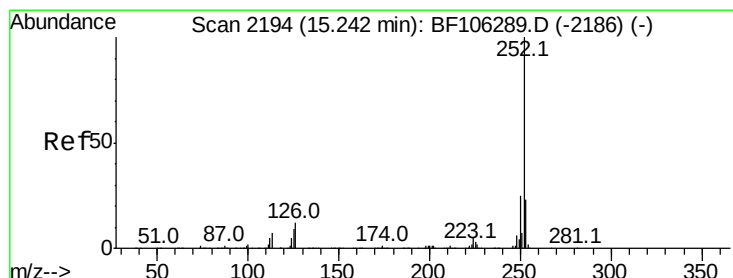
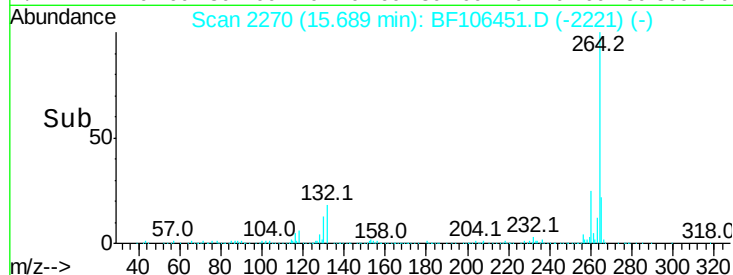
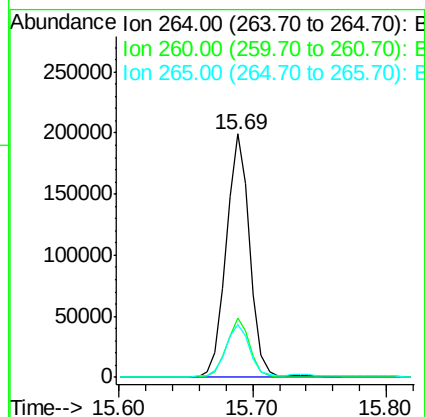
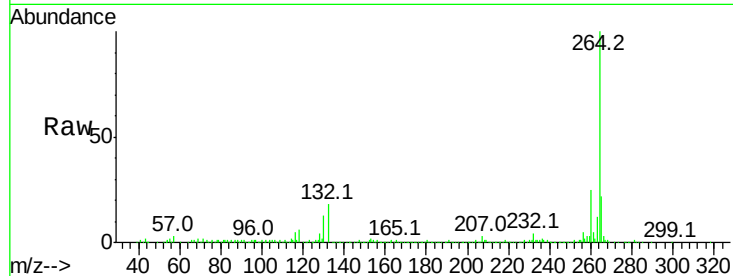
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Instrument :
BNA_F
ClientSampleId :
FS-RO-3091

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.5	19.2	28.8	
265	21.8	17.5	26.3	

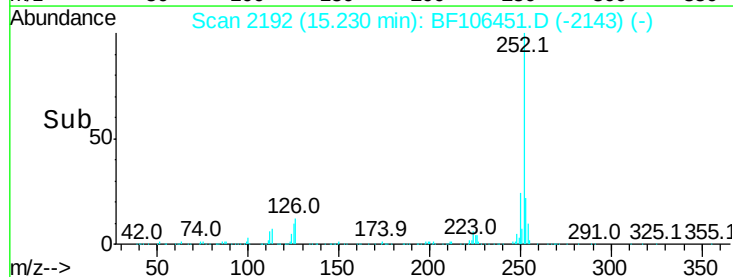
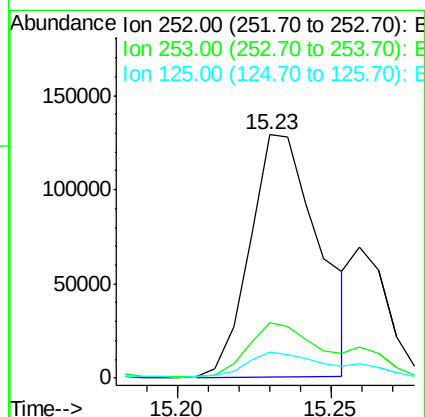
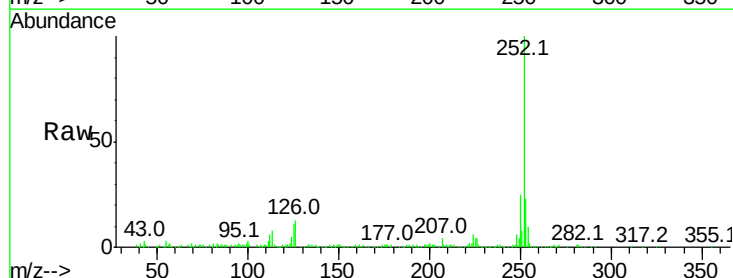
Manual Integrations
APPROVED

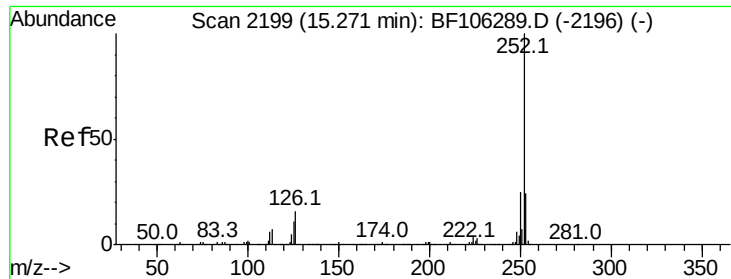
Sohil
6/15/2018 11:16:51 AM



#87
Benzo(b)fluoranthene
Concen: 13.481 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.7	17.0	25.6	
125	10.5	9.0	13.6	





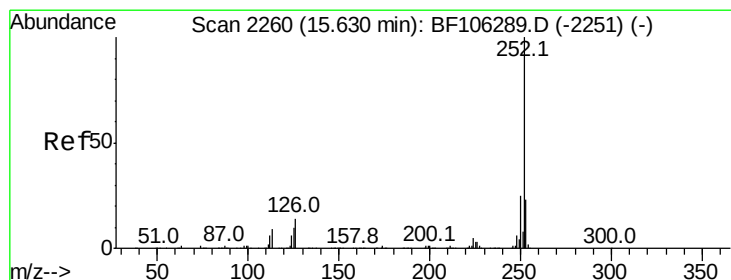
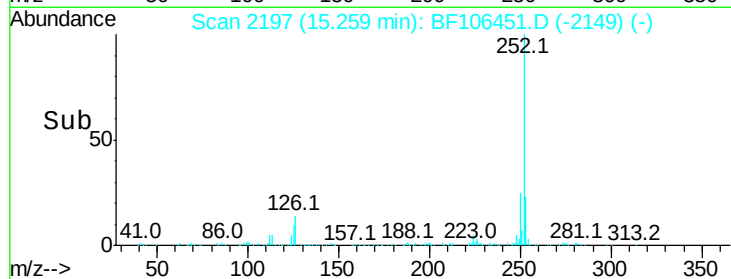
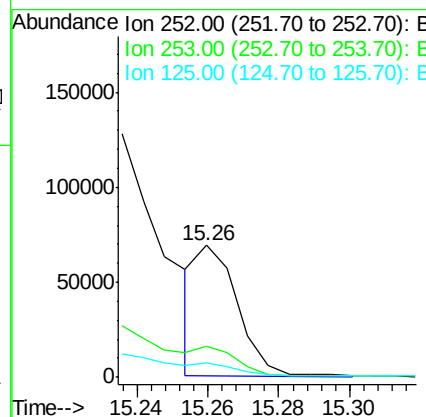
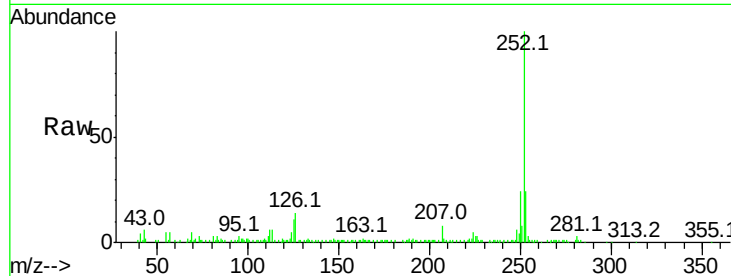
#88
Benzo(k)fluoranthene
Concen: 3.702 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Instrument :
BNA_F
ClientSampleId :
FS-RO-3091

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.9	10.2	15.2

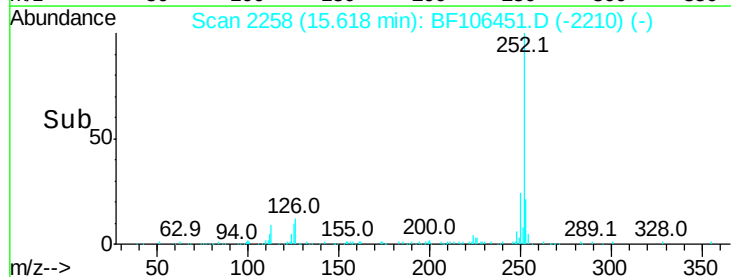
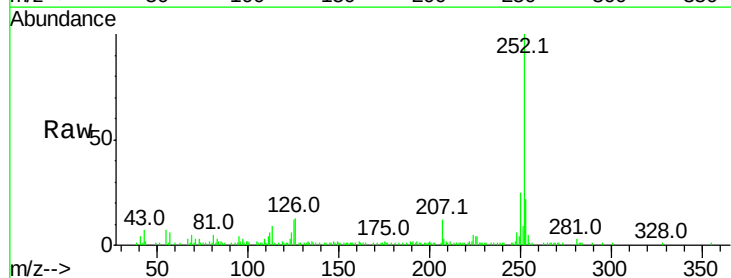
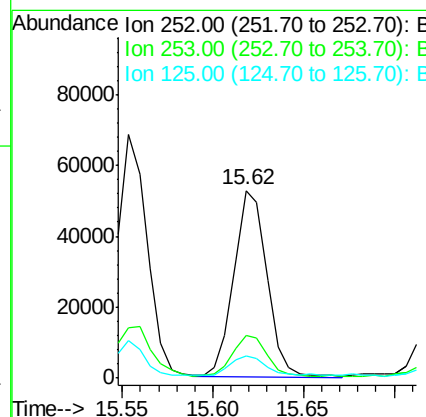
Manual Integrations
APPROVED

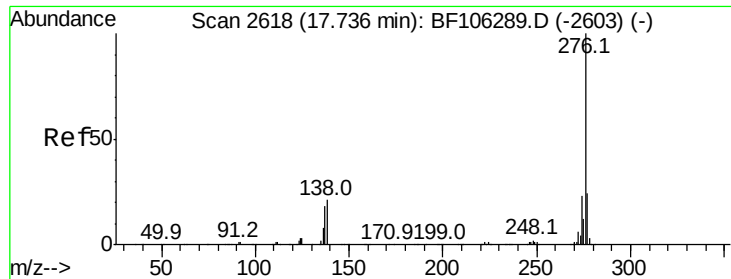
Sohil
6/15/2018 11:16:51 AM



#89
Benzo(a)pyrene
Concen: 5.010 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF106451.D
Acq: 14 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	11.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.794 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF106451.D
 Acq: 14 Jun 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :
 FS-RO-3091

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	21.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 6/15/2018 11:16:51 AM

