

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106785.D
 Acq On : 25 Jun 2018 21:28
 Operator : JU/SJ
 Sample : J3241-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062218-B

Manual Integrations
 APPROVED

Sohil
 6/27/2018 10:55:39 AM

Quant Time: Jun 26 09:28:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	52663	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	199612	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	94294	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	158117	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	140671	20.00	ng	-0.02
86) Perylene-d12	15.68	264	133610	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177309	57.01	ng	0.00
7) Phenol-d6	6.60	99	228405	58.81	ng	-0.02
23) Nitrobenzene-d5	7.52	82	140609	39.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	63191	57.82	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	281981	43.40	ng	-0.01
78) Terphenyl-d14	13.07	244	260407	44.84	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	46276	6.543	ng	Qvalue # 98
70) Phenanthrene	11.51	178	124156	16.280	ng	99
71) Anthracene	11.57	178	38583	4.957	ng	98
74) Fluoranthene	12.71	202	263698	31.371	ng	96
77) Pyrene	12.94	202	227310	24.504	ng	99
80) Benzo(a)anthracene	14.13	228	141636	16.520	ng	99
82) Chrysene	14.17	228	115667	14.665	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	52608	7.859	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	159635m	19.234	ng	
88) Benzo(k)fluoranthene	15.25	252	49750m	6.294	ng	
89) Benzo(a)pyrene	15.61	252	106042m	14.372	ng	
90) Dibenzo(a,h)anthracene	17.25	278	14024m	2.243	ng	
91) Benzo(a,h,i)perylene	17.72	276	49625	8.119	ng	# 86

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

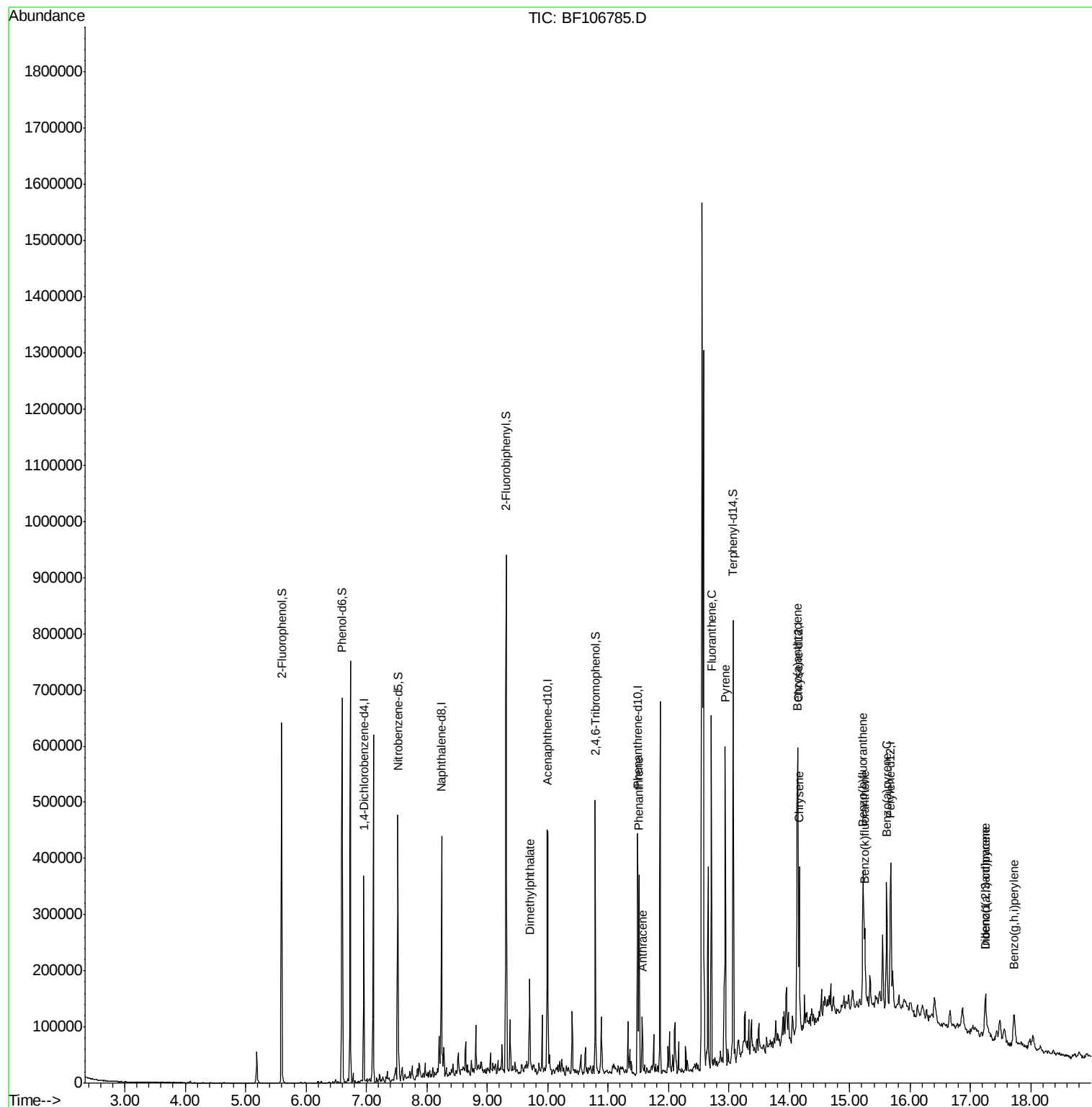
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106785.D
Acq On : 25 Jun 2018 21:28
Operator : JU/SJ
Sample : J3241-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

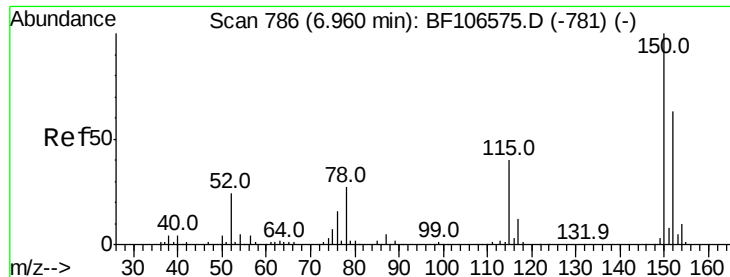
Instrument :
BNA_F
ClientSampleId :
HR-06-062218-B

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM

Quant Time: Jun 26 09:28:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration





#1

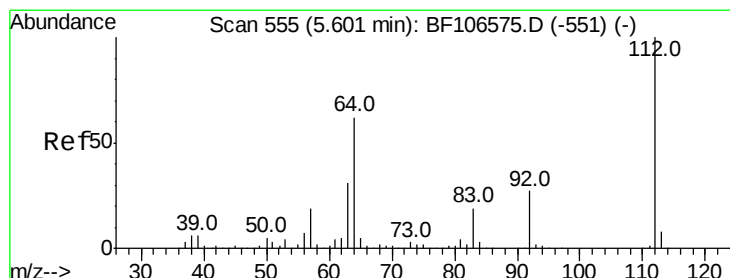
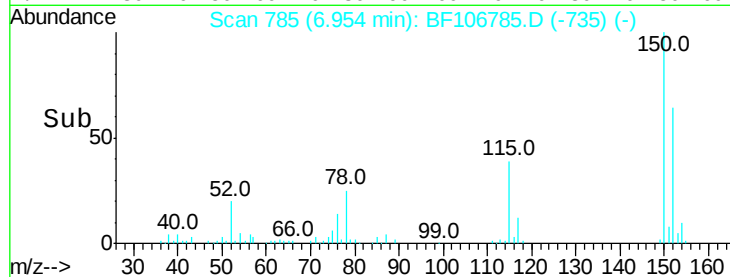
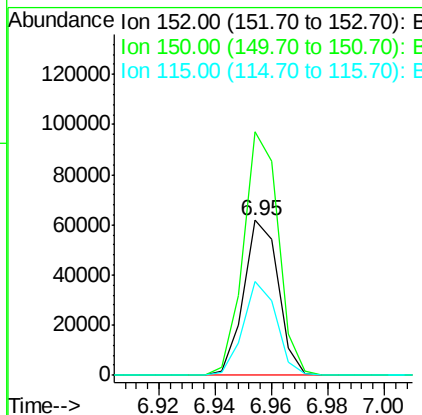
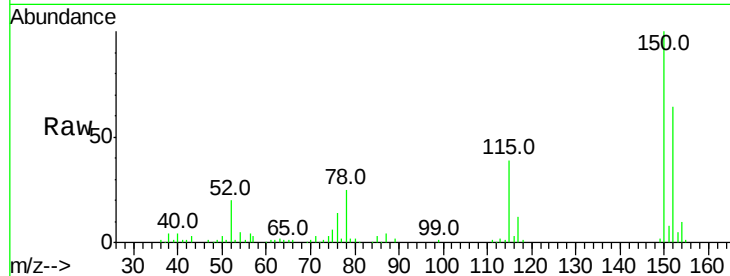
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
HR-06-062218-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	60.4	50.1	75.1

Manual Integrations
APPROVED

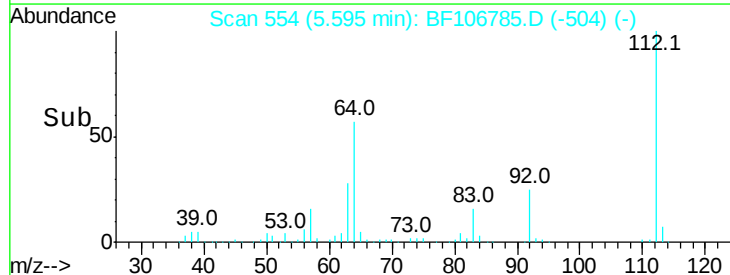
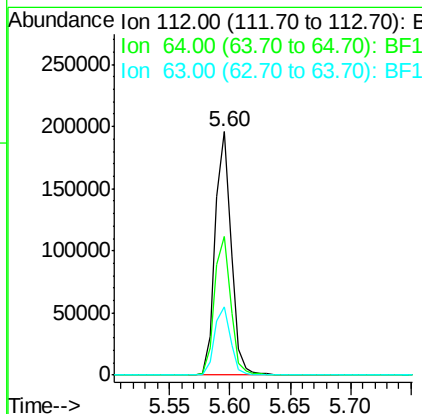
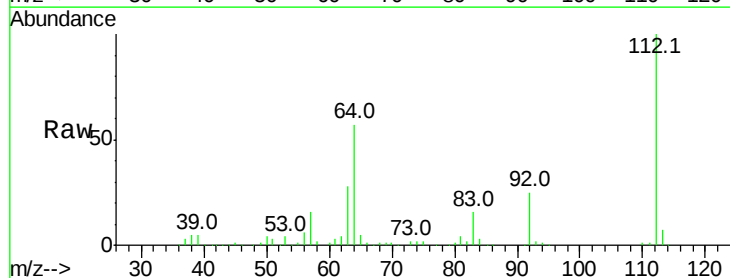
Sohil
6/27/2018 10:55:39 AM

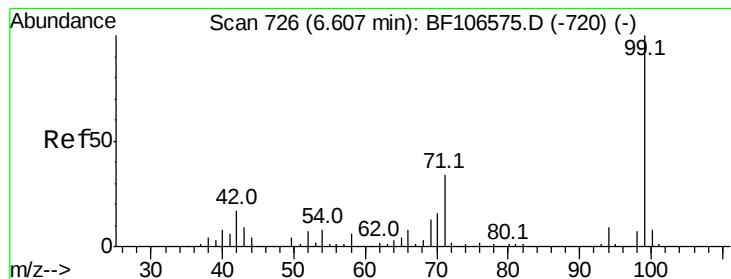


#5

2-Fluorophenol
Concen: 57.012 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 58.809 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

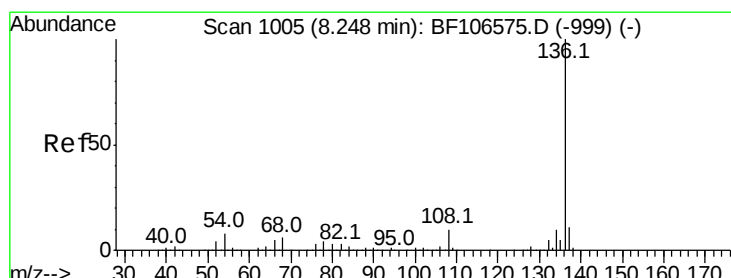
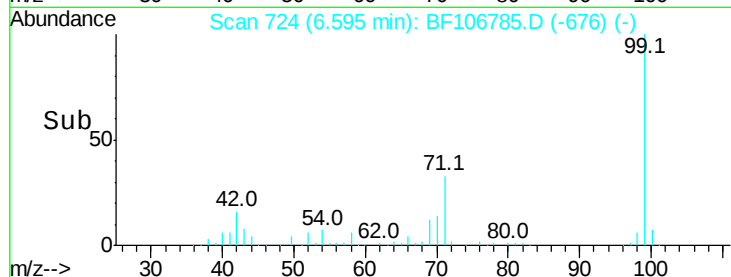
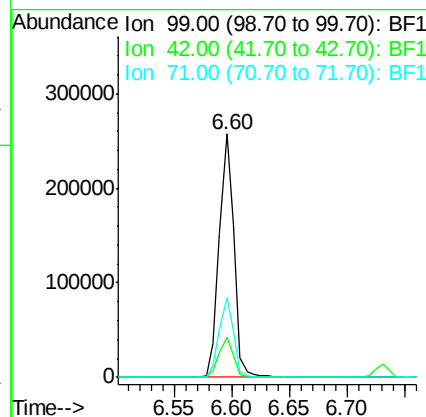
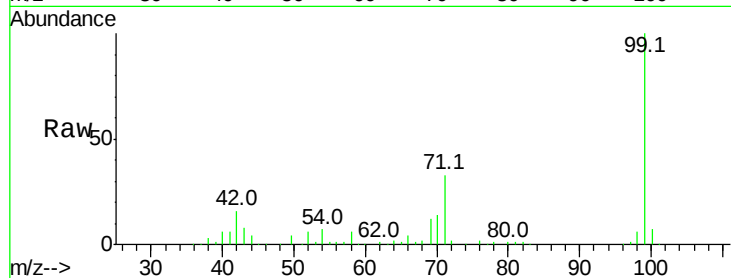
ClientSampled :

HR-06-062218-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		228405		
42	16.2	14.5	21.7		
71	33.0	25.4	38.0		

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM



#21

Naphthalene-d8

Concen: 20.000 ng

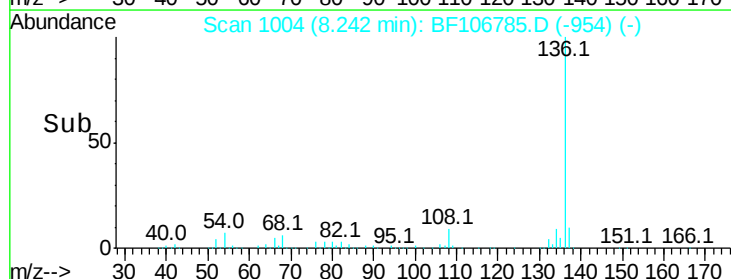
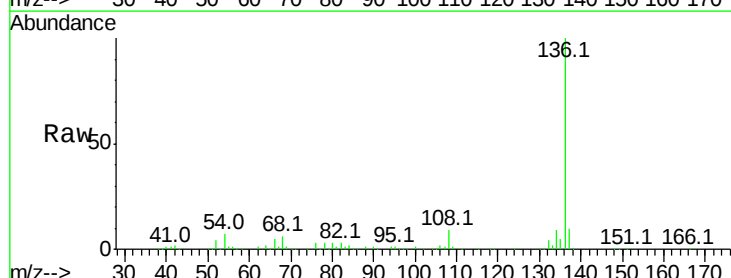
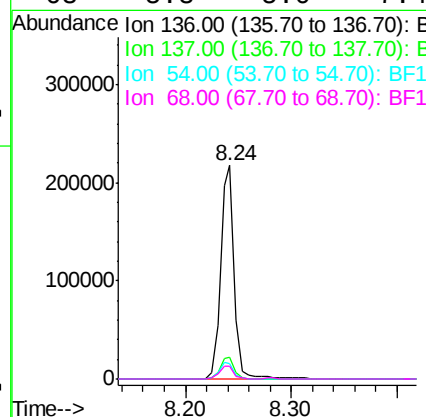
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		199612		
137	10.1	8.9	13.3		
54	7.2	6.6	9.8		
68	5.8	5.0	7.4		





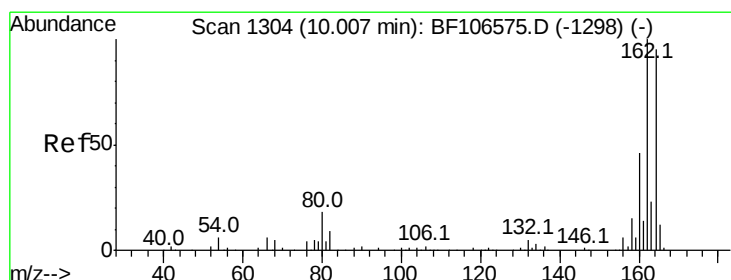
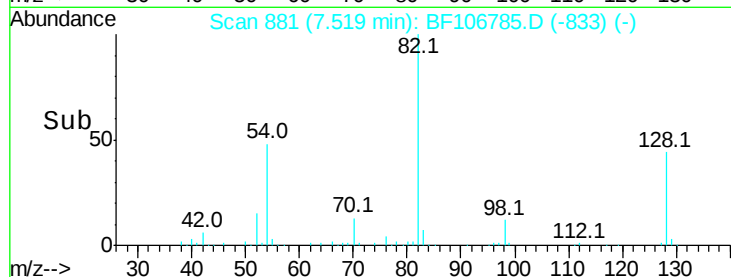
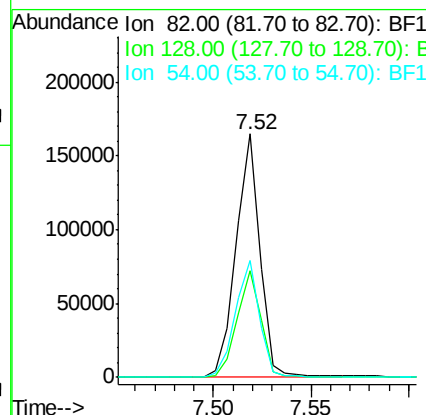
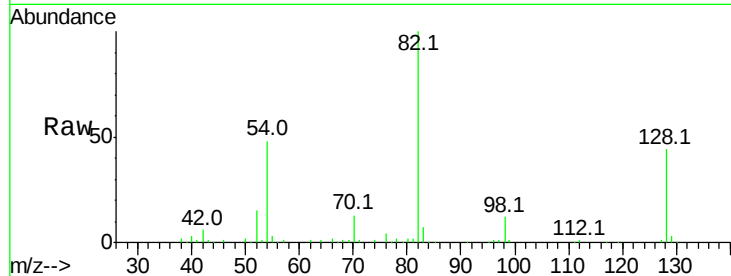
#23
 Nitrobenzene-d5
 Concen: 39.147 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062218-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.0	36.1	54.1	
54	48.0	41.4	62.2	

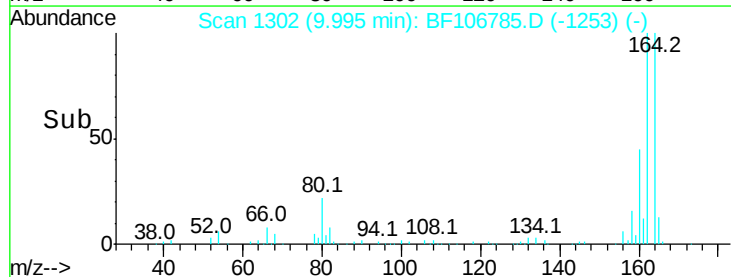
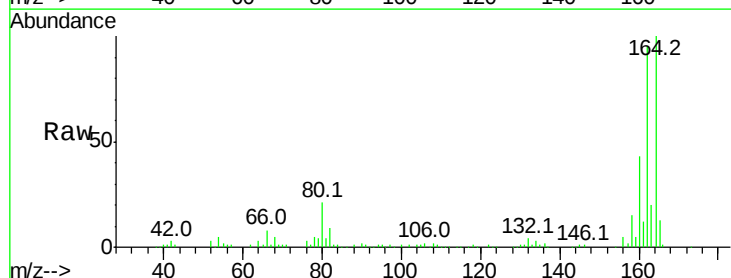
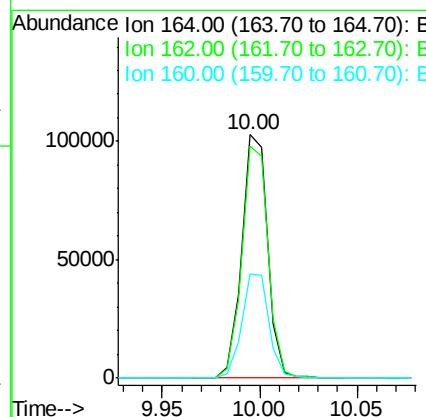
Manual Integrations
 APPROVED

Sohil
 6/27/2018 10:55:39 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	95.4	86.1	129.1	
160	42.7	38.3	57.5	





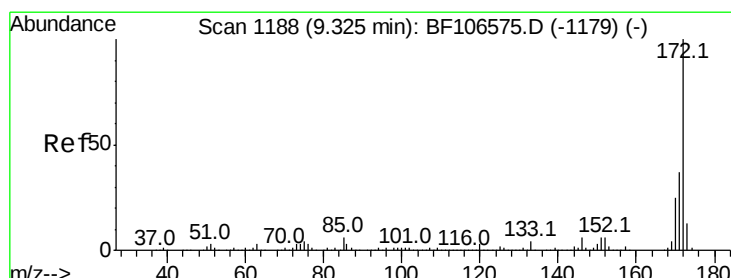
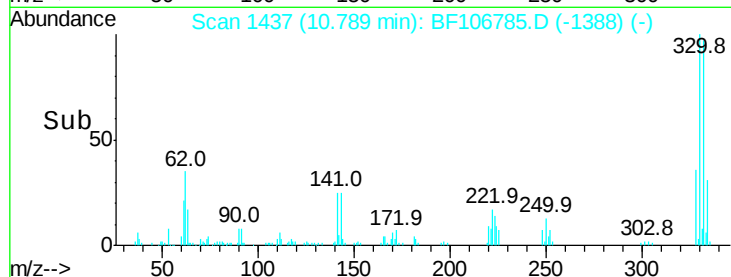
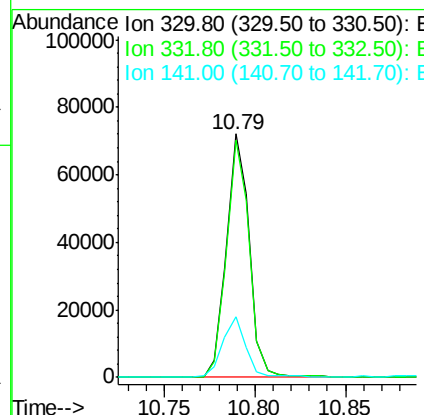
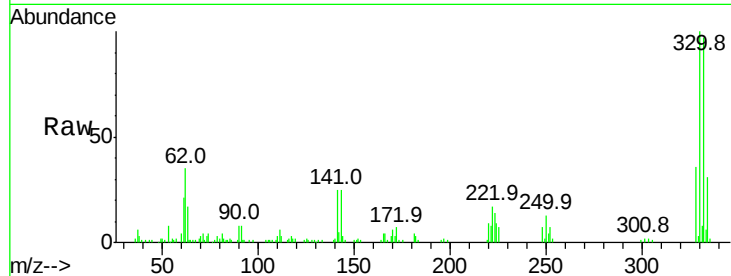
#41
 2,4,6-Tribromophenol
 Concen: 57.820 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062218-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	25.4	29.9	44.9	

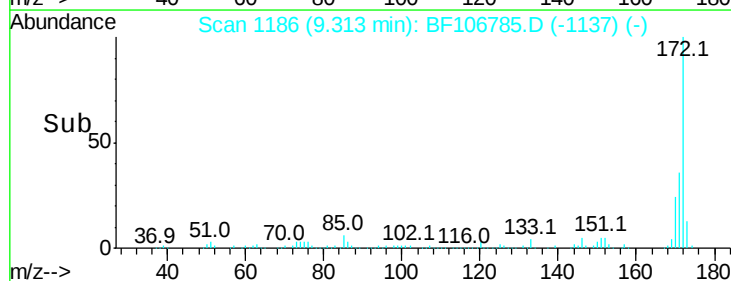
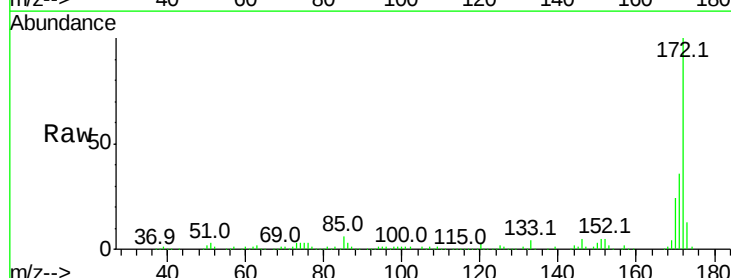
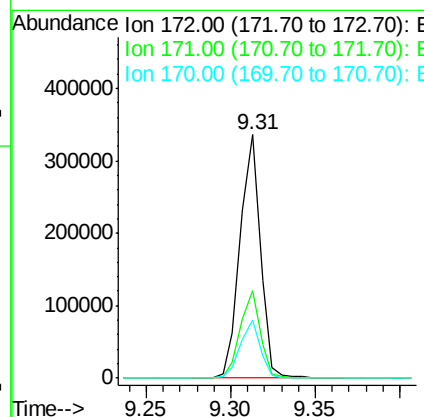
Manual Integrations
 APPROVED

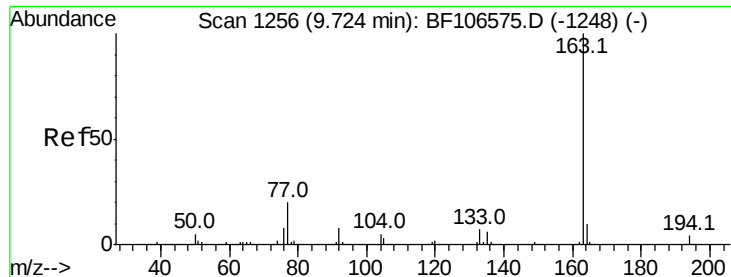
Sohil
 6/27/2018 10:55:39 AM



#44
 2-Fluorobiphenyl
 Concen: 43.397 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.8	19.6	29.4	





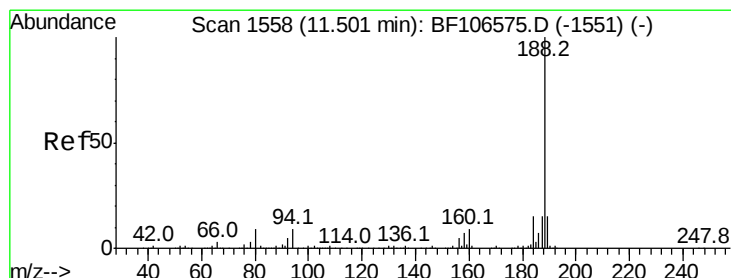
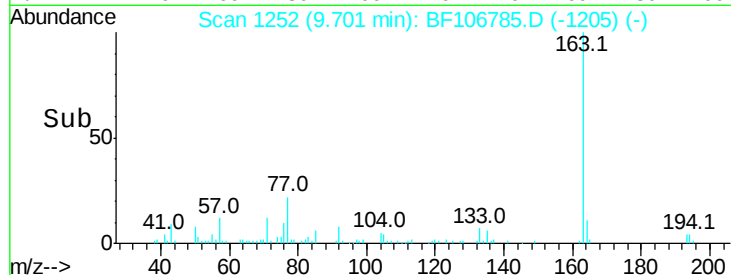
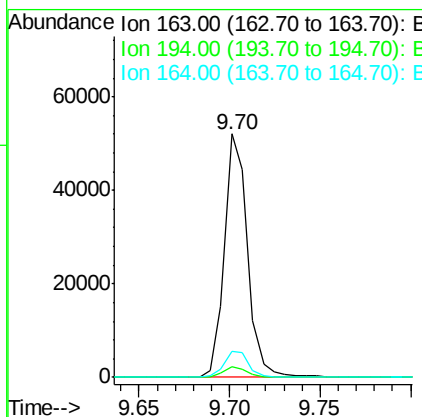
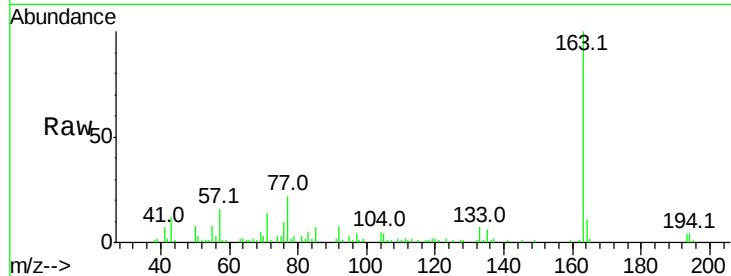
#49
Dimethylphthalate
Concen: 6.543 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
HR-06-062218-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	10.6	8.2	12.2	

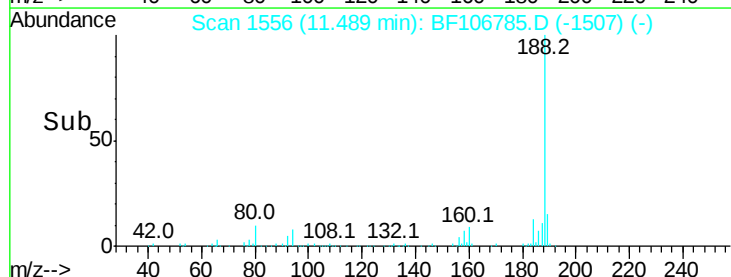
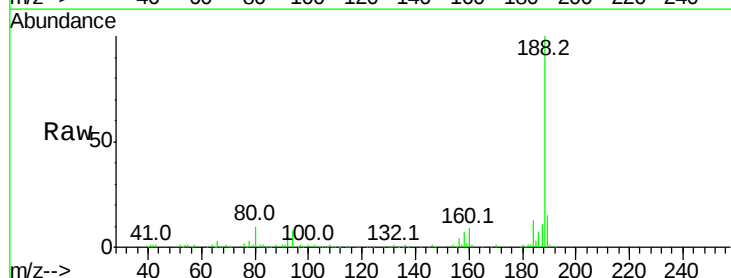
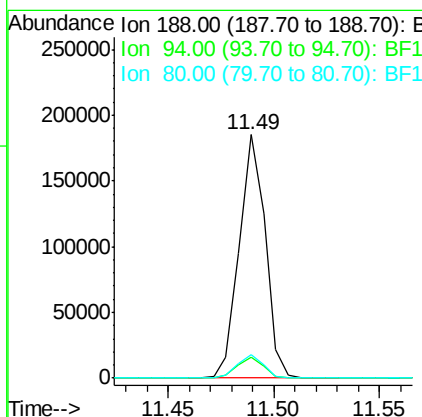
Manual Integrations
APPROVED

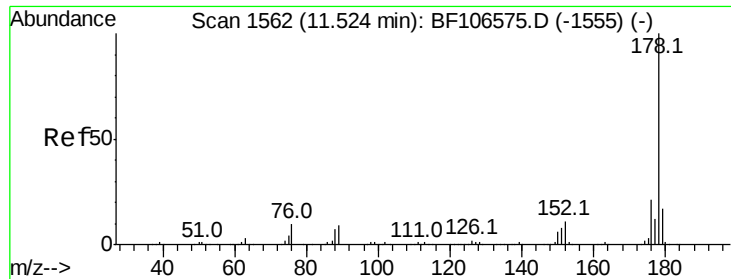
Sohil
6/27/2018 10:55:39 AM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.5	8.5	12.7	
80	9.6	9.2	13.8	





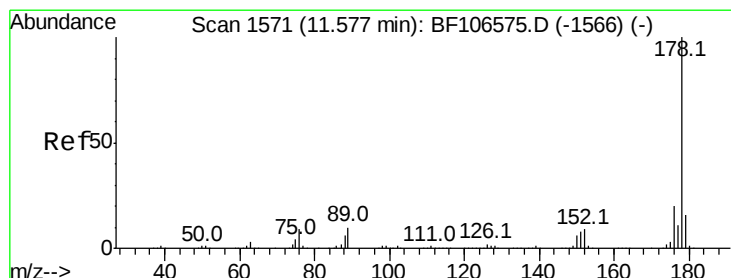
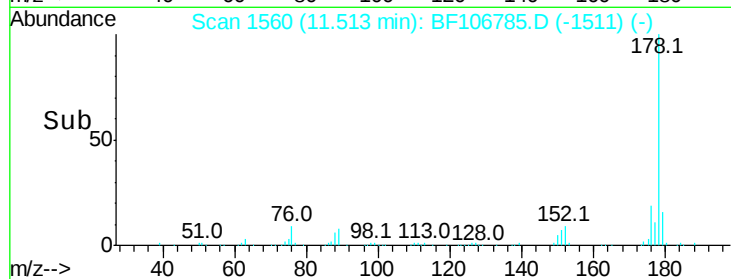
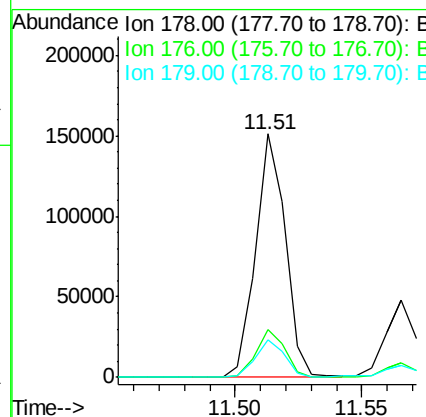
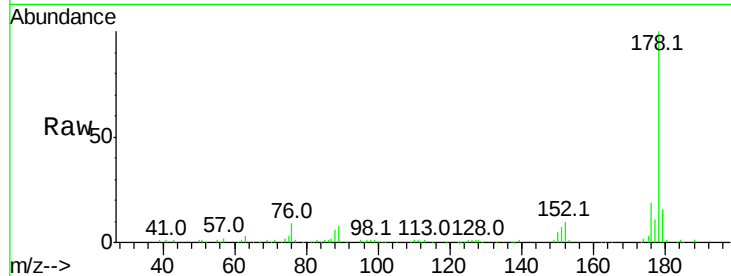
#70
Phenanthrene
Concen: 16.280 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
HR-06-062218-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6

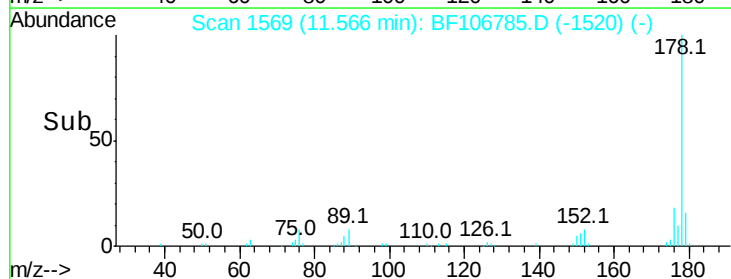
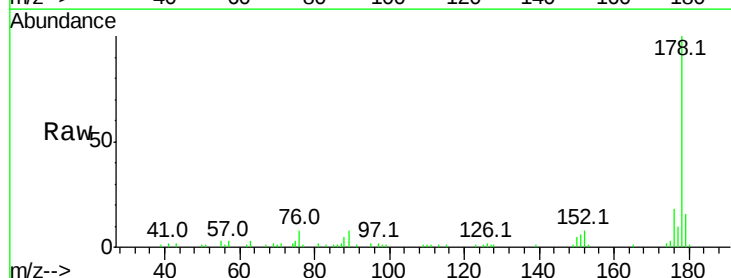
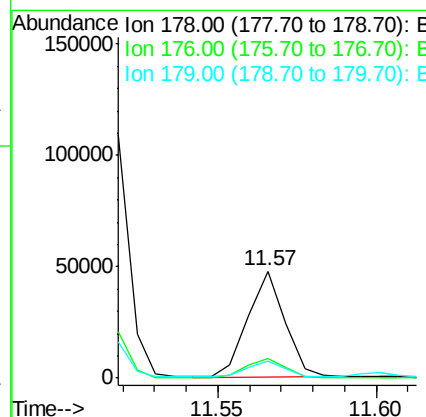
Manual Integrations
APPROVED

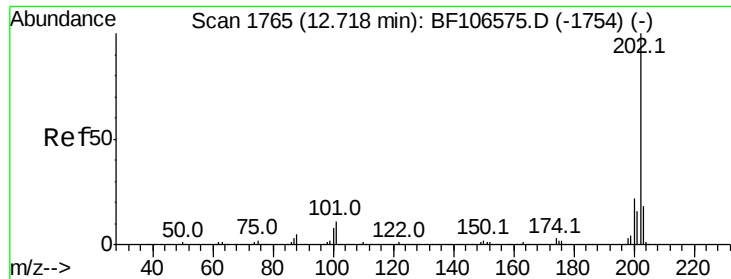
Sohil
6/27/2018 10:55:39 AM



#71
Anthracene
Concen: 4.957 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 31.371 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

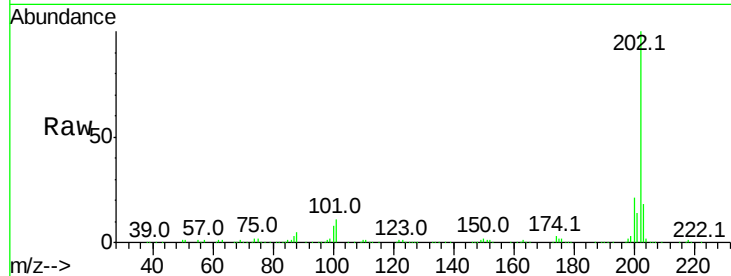
ClientSampleId :

HR-06-062218-B

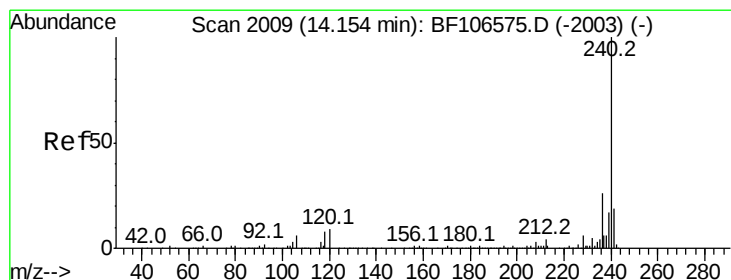
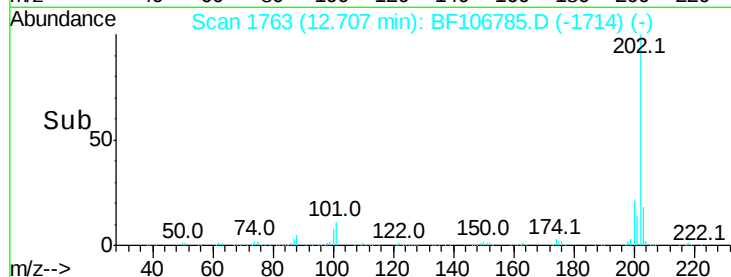
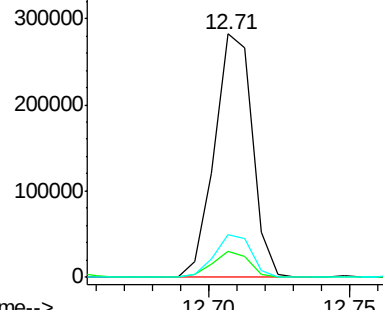
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 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: 14.14 min Scan# 2007

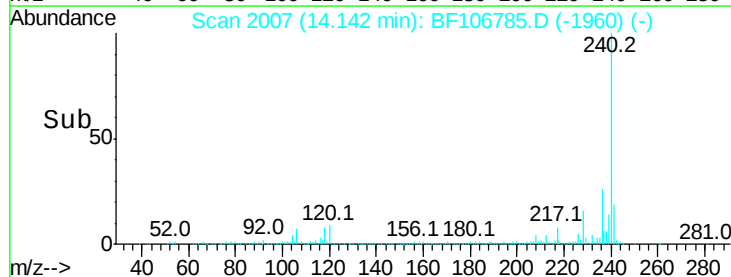
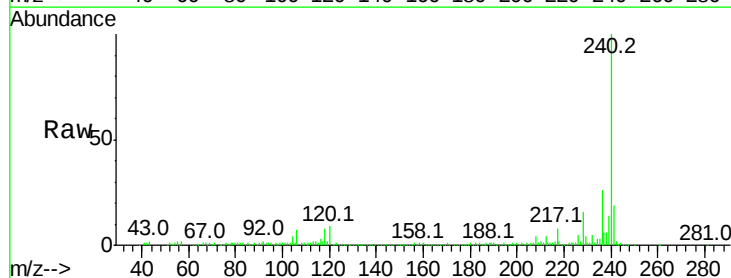
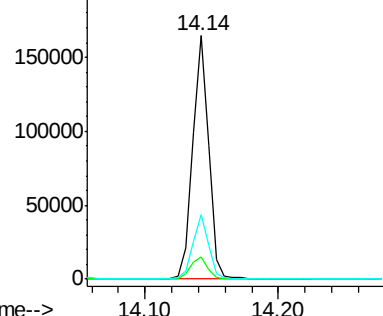
Delta R.T. -0.02 min

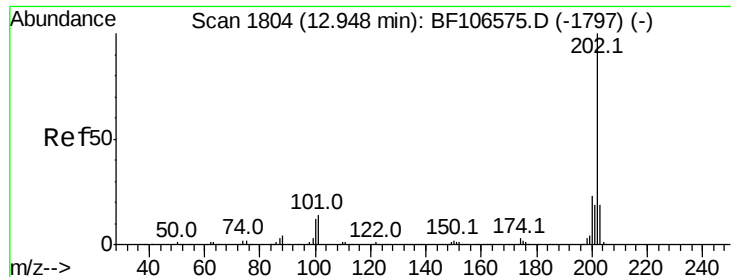
Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.3	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: 24.504 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

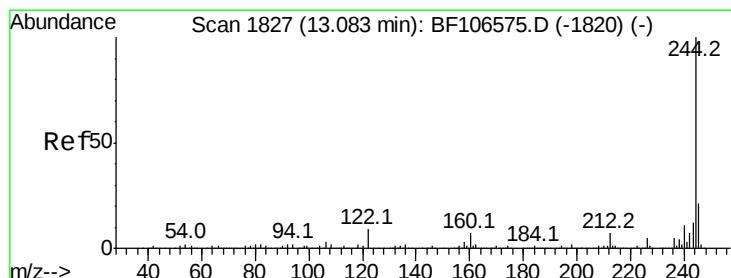
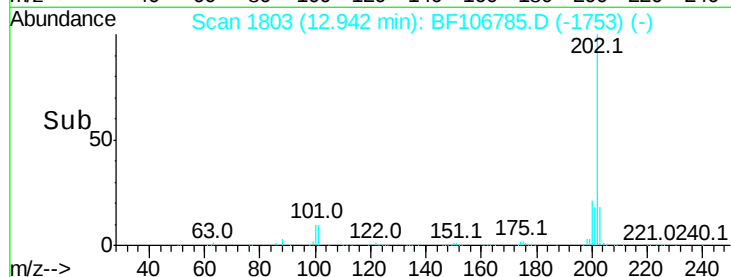
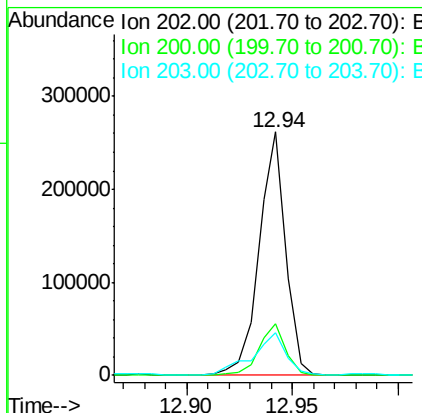
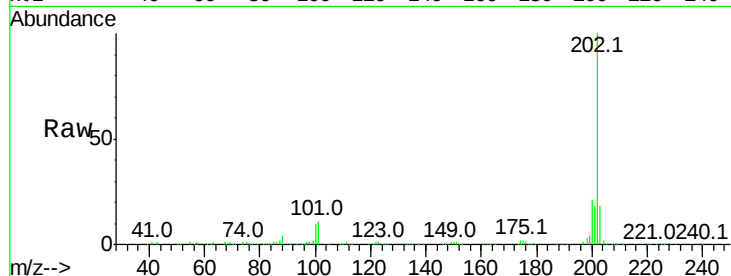
ClientSampleId :

HR-06-062218-B

Tot Ion:	202	Resp:	227310
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.8	14.3	21.5

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM



#78

Terphenyl-d14

Concen: 44.841 ng

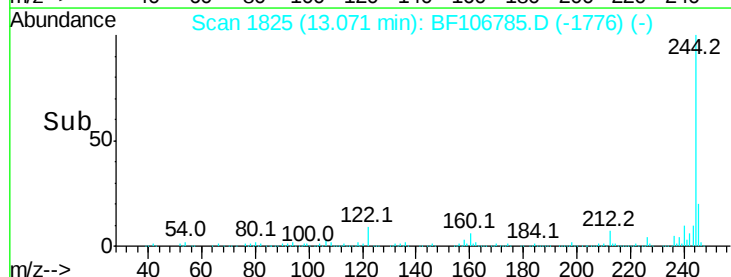
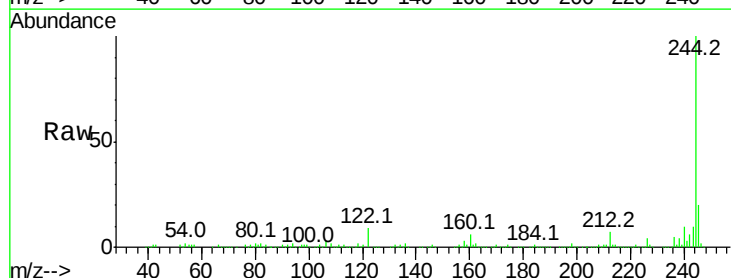
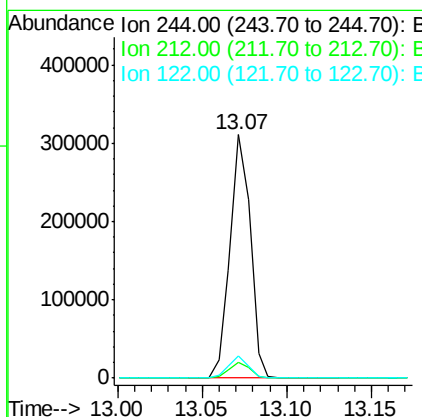
RT: 13.07 min Scan# 1825

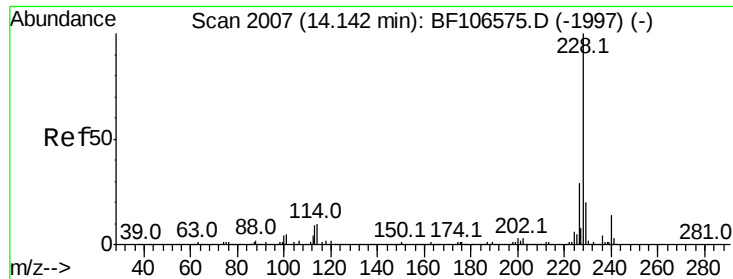
Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:	244	Resp:	260407
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.3	11.0	16.4#





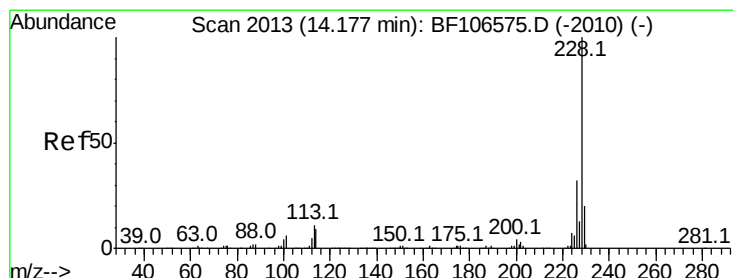
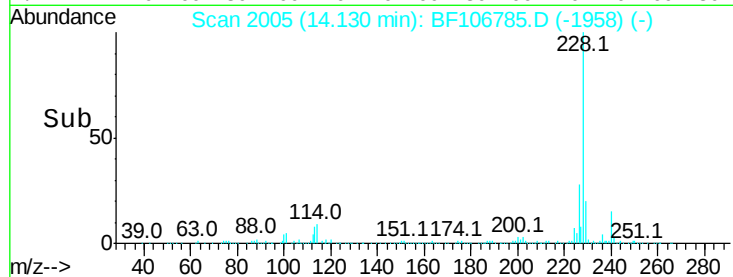
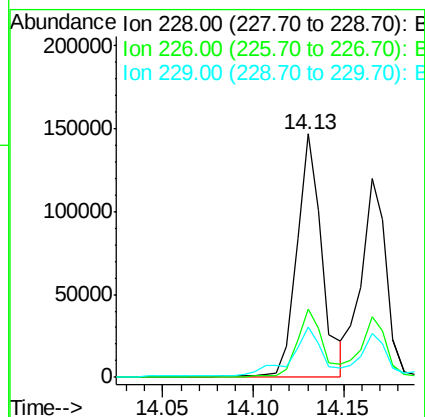
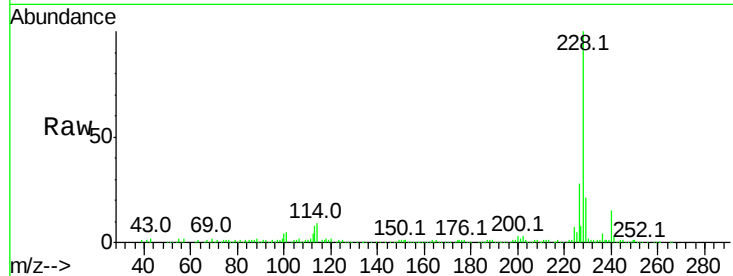
#80
Benzo(a)anthracene
Concen: 16.520 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
HR-06-062218-B

Tot Ion:	228	Resp:	141636
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	20.5	15.8	23.6

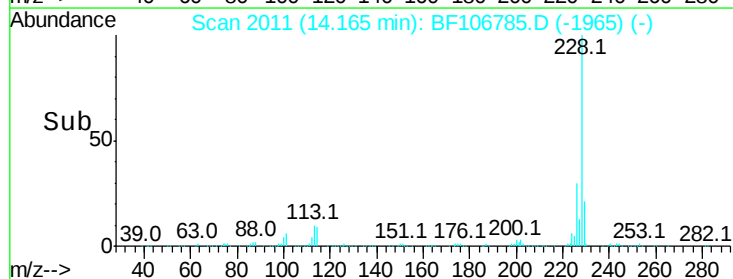
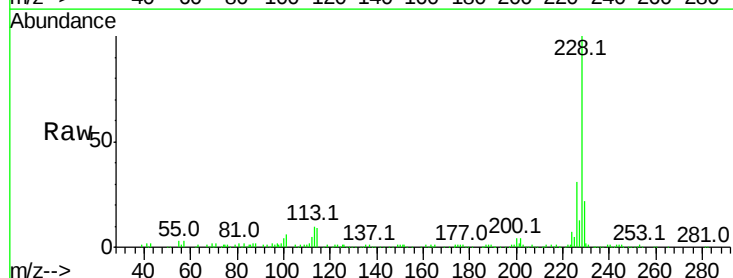
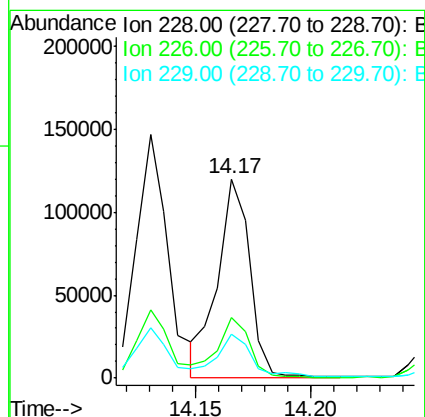
Manual Integrations
APPROVED

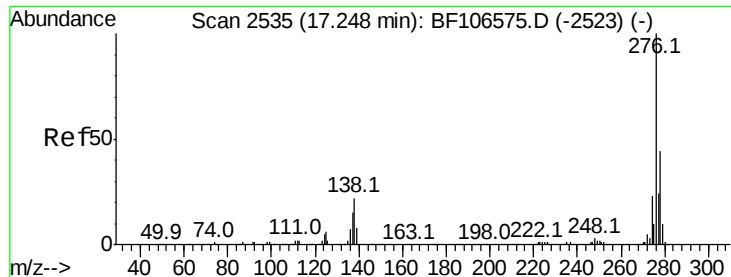
Sohil
6/27/2018 10:55:39 AM



#82
Chrysene
Concen: 14.665 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion:	228	Resp:	115667
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.859 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.06 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

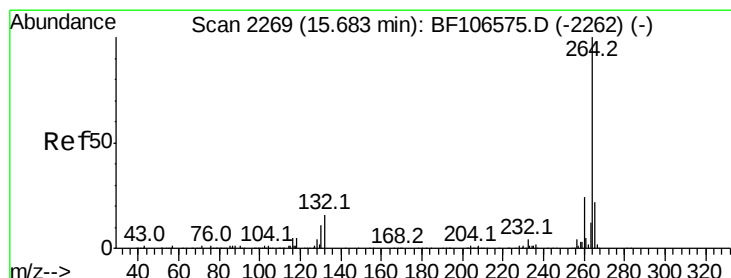
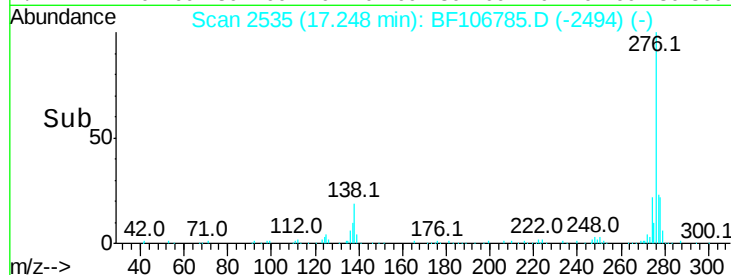
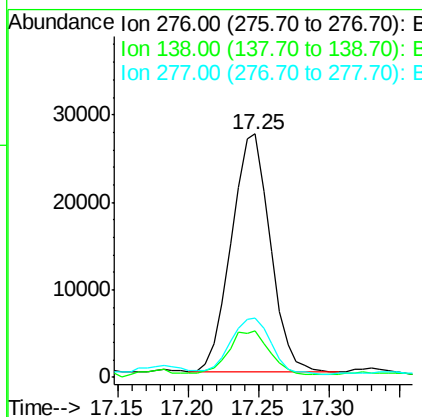
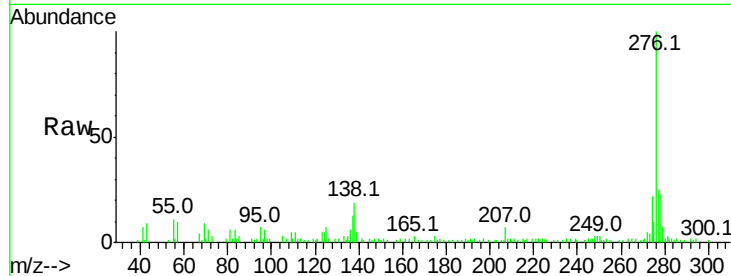
ClientSampleId :

HR-06-062218-B

Tot Ion:	276	Resp:	52608
Ion Ratio	Lower	Upper	
276	100		
138	19.7	25.0	37.6#
277	24.8	20.1	30.1

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM



#86

Perylene-d12

Concen: 20.000 ng

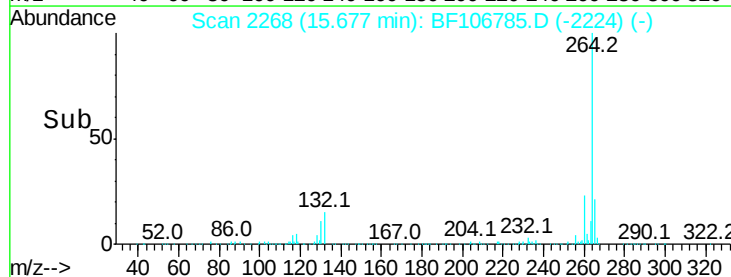
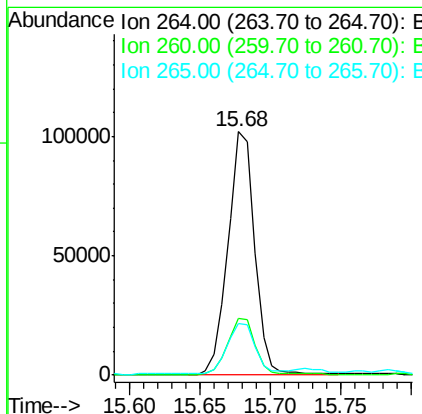
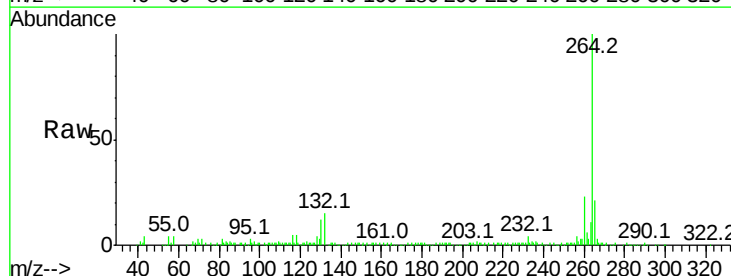
RT: 15.68 min Scan# 2268

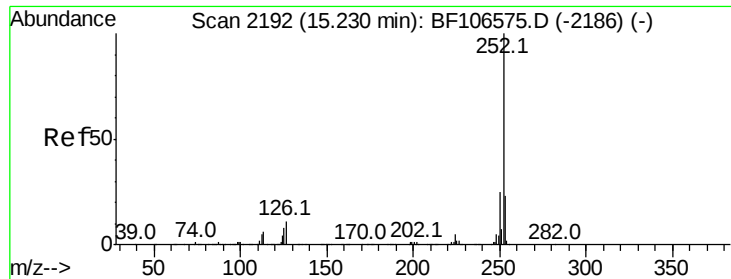
Delta R.T. -0.04 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:	264	Resp:	133610
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 19.234 ng m

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

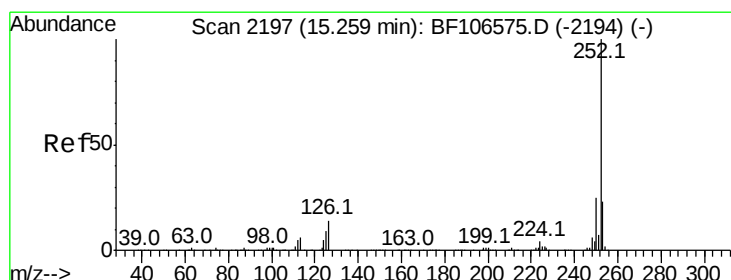
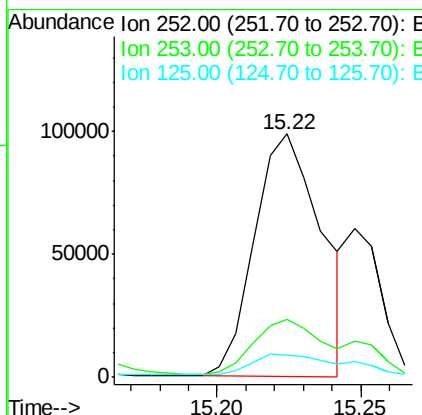
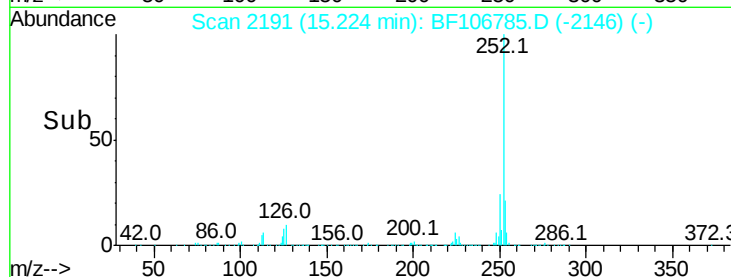
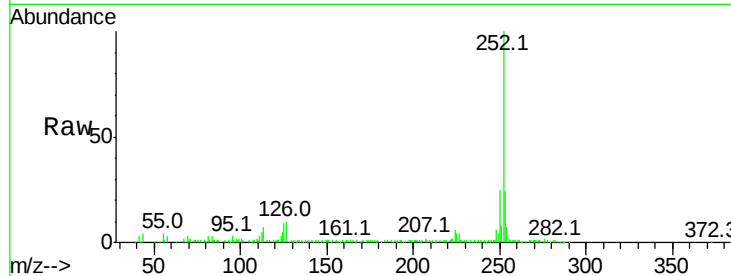
ClientSampleId :

HR-06-062218-B

Tot Ion:252	Resp:	159635
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.0 25.6
125	9.1	9.0 13.6

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM



#88

Benzo(k)fluoranthene

Concen: 6.294 ng m

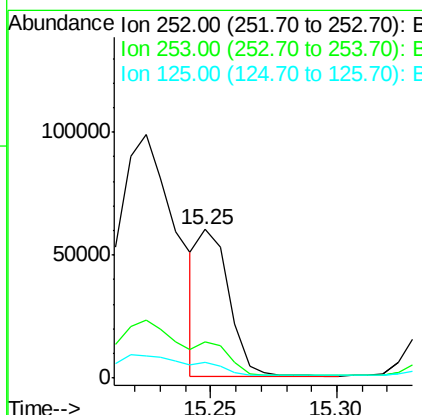
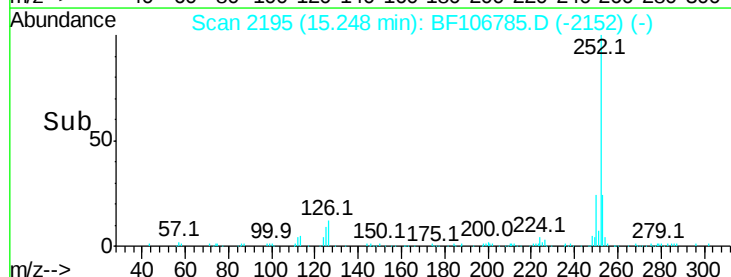
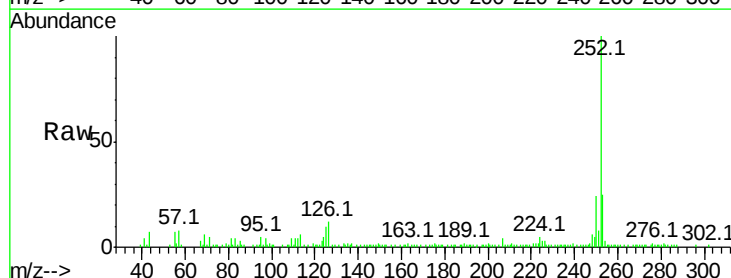
RT: 15.25 min Scan# 2195

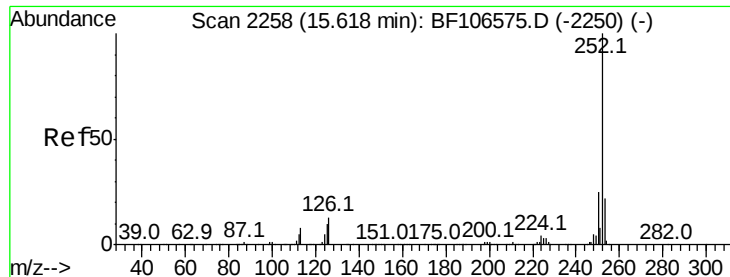
Delta R.T. -0.05 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:252	Resp:	49750
Ion Ratio	Lower	Upper
252	100	
253	24.7	17.9 26.9
125	10.4	10.2 15.2





#89

Benzo(a)pyrene

Concen: 14.372 ng m

RT: 15.61 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

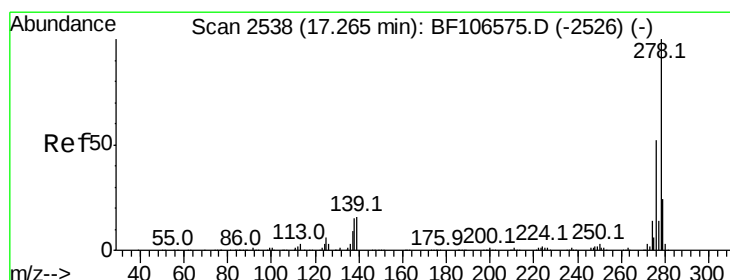
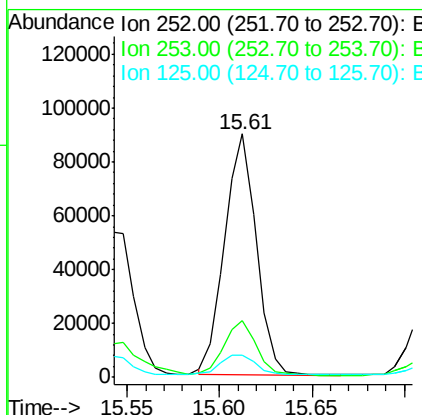
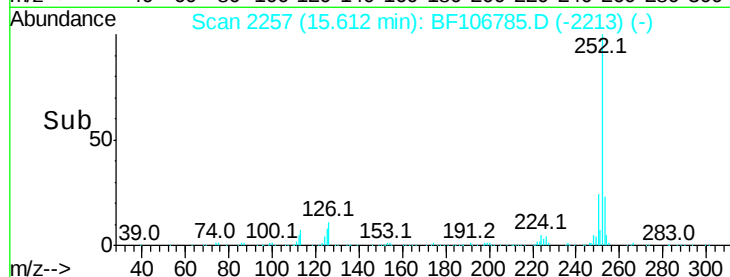
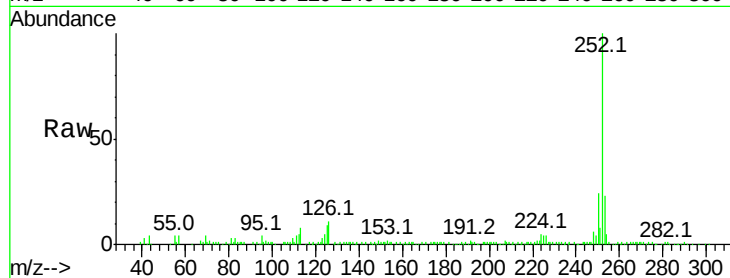
ClientSampleId :

HR-06-062218-B

Tot Ion:	252	Resp:	106042
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	9.3	9.8	14.6#

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:39 AM



#90

Dibenzo(a,h)anthracene

Concen: 2.243 ng m

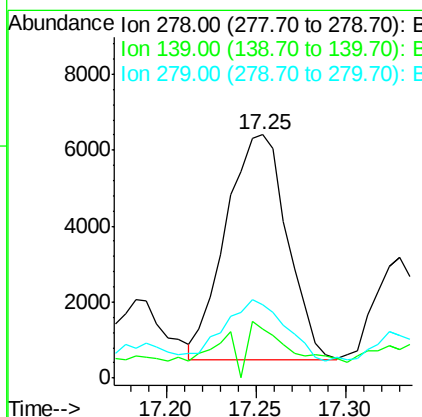
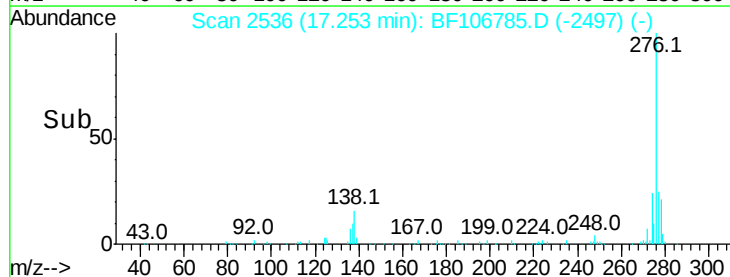
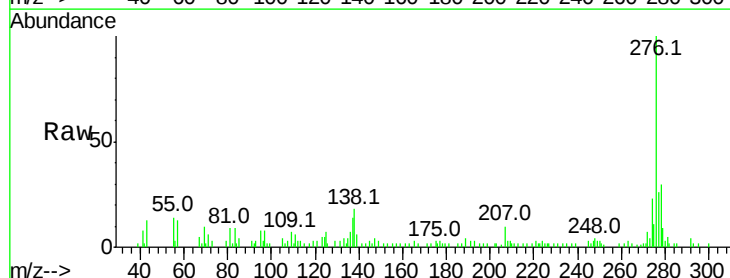
RT: 17.25 min Scan# 2536

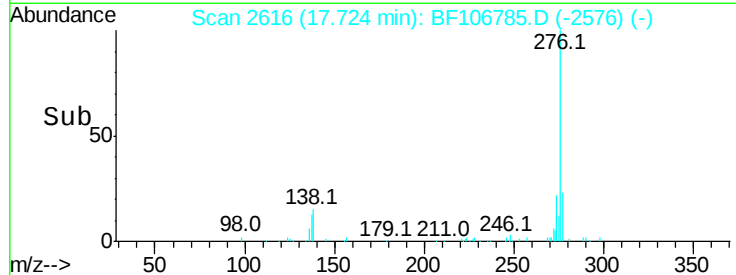
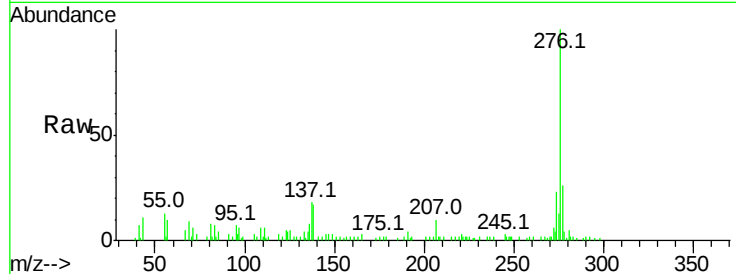
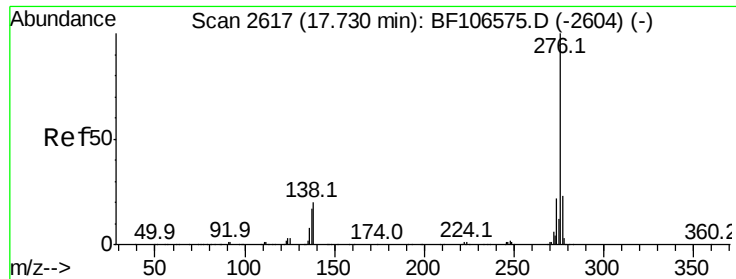
Delta R.T. -0.07 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:	278	Resp:	14024
Ion Ratio	Lower	Upper	
278	100		
139	20.3	15.9	23.9
279	30.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 8.119 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.06 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062218-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	17.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 6/27/2018 10:55:39 AM

