

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106663.D
 Acq On : 21 Jun 2018 15:53
 Operator : JU/SJ
 Sample : J3524-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(S)

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:02 AM

Quant Time: Jun 21 16:28:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	96089	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	381516	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	179036	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	300239	20.00	ng	0.00
75) Chrysene-d12	14.15	240	262887	20.00	ng	0.00
86) Perylene-d12	15.70	264	198011	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	130521	23.00	ng	0.00
7) Phenol-d6	6.60	99	171036	24.14	ng	-0.01
23) Nitrobenzene-d5	7.52	82	103057	15.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	31162	15.02	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	203426	5.42	ng	-0.01
78) Terphenyl-d14	13.08	244	192756	17.76	ng	0.00
Target Compounds						
70) Phenanthrene	11.52	178	86244	5.956	ng	98
74) Fluoranthene	12.71	202	107597	6.741	ng	93
77) Pyrene	12.94	202	102705	5.925	ng	99
80) Benzo(a)anthracene	14.14	228	50701	3.164	ng	97
82) Chrysene	14.18	228	48518	3.292	ng	97
87) Benzo(b)fluoranthene	15.24	252	43301m	3.520	ng	
89) Benzo(a)pyrene	15.63	252	28893	2.642	ng	# 92

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

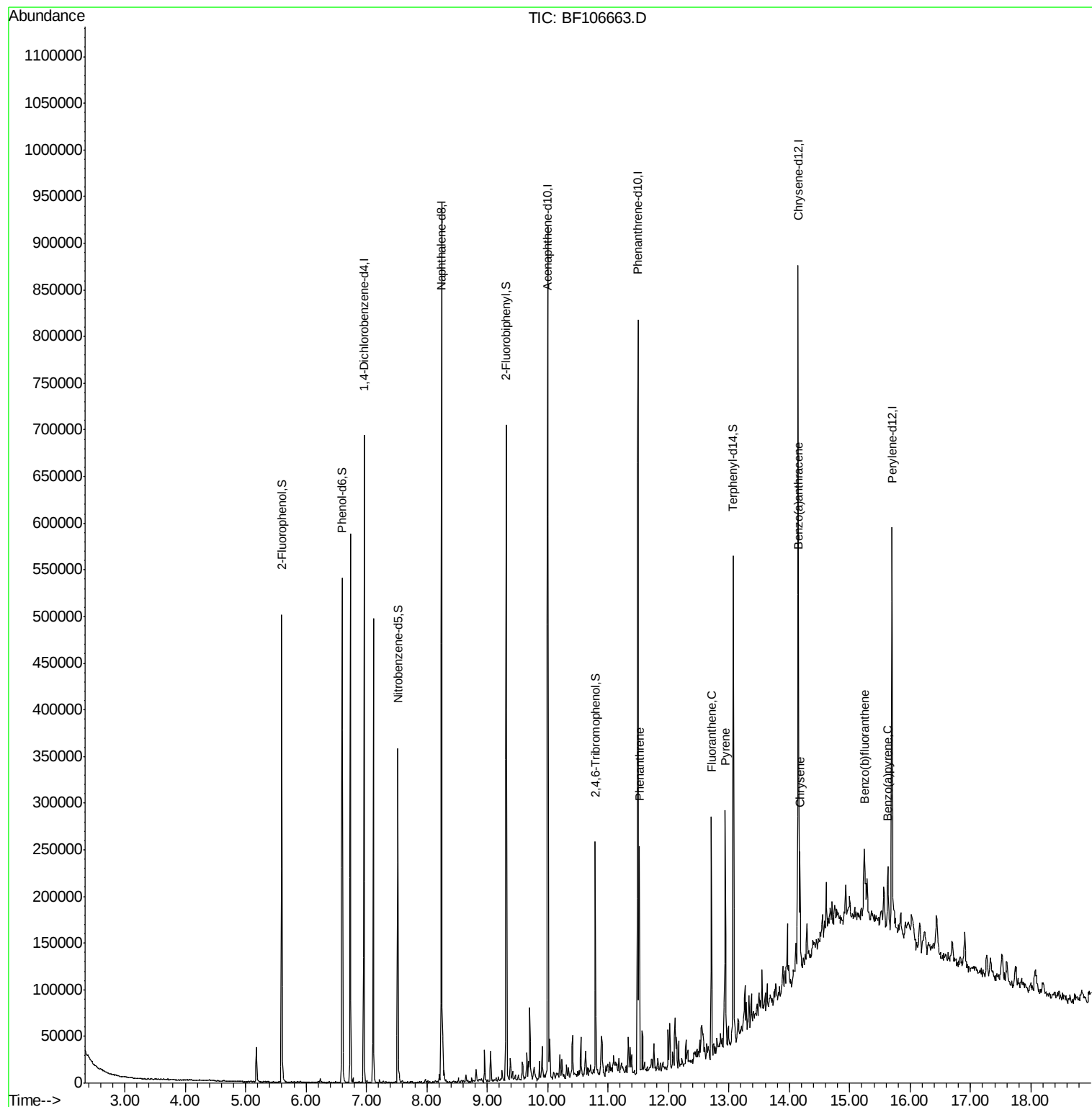
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106663.D
Acq On : 21 Jun 2018 15:53
Operator : JU/SJ
Sample : J3524-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

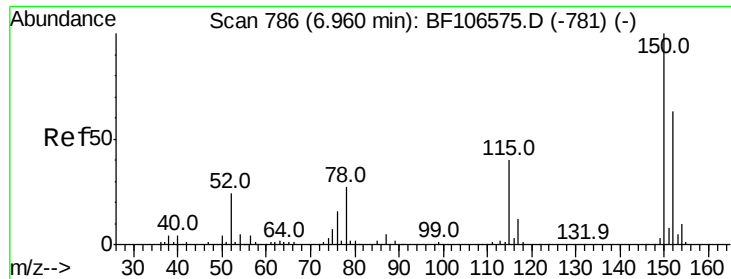
Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 AM

Quant Time: Jun 21 16:28:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 19 14:32:09 2018
Response via : Initial Calibration





#1

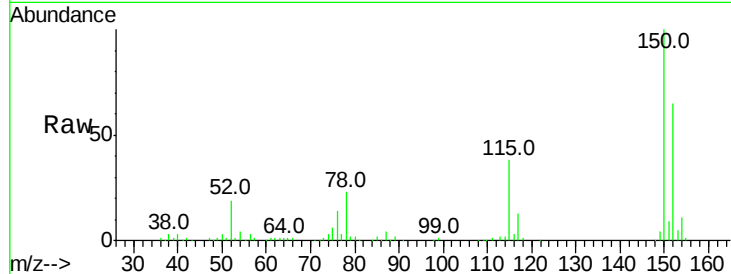
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	58.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 AM

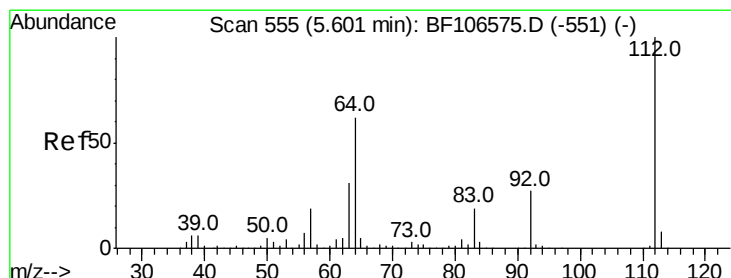
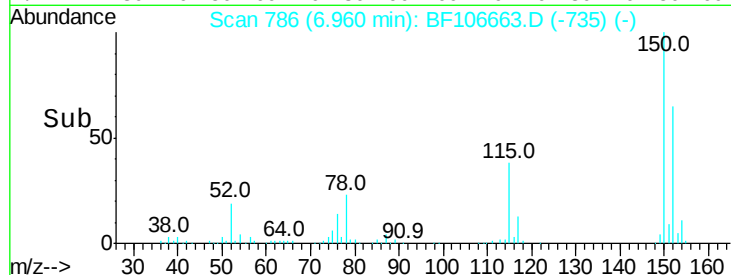
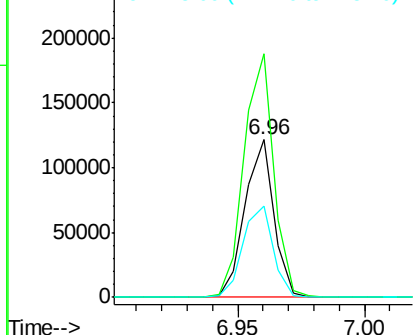


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

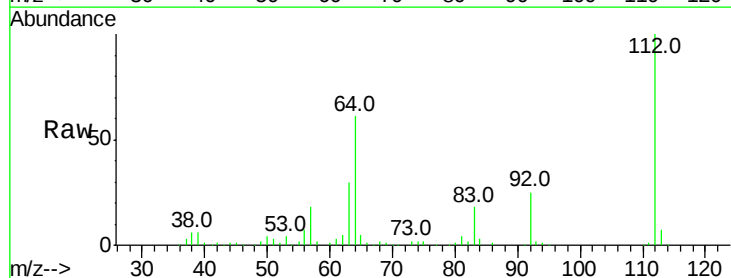
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.001 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	29.8	23.7	35.5

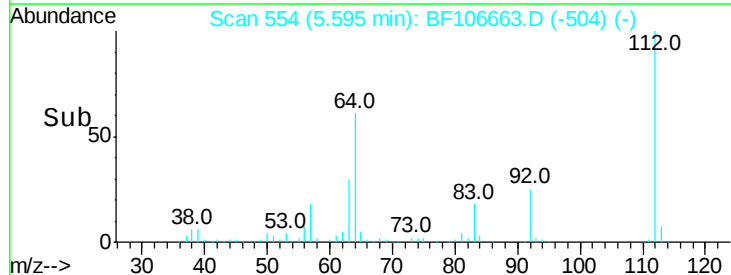
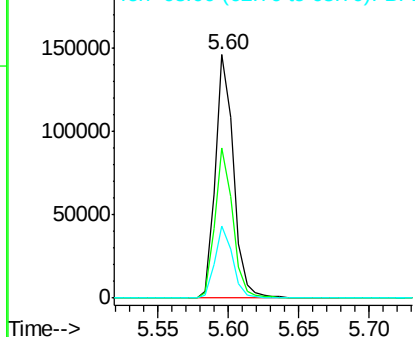


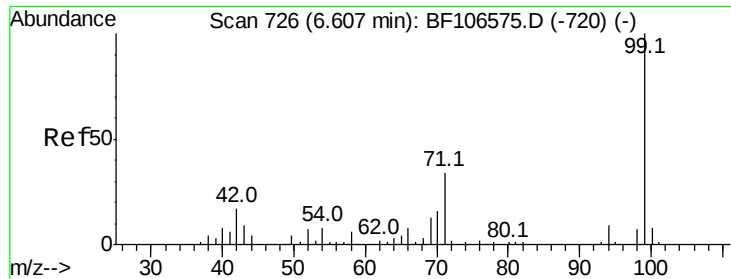
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.136 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Instrument :

BNA_F

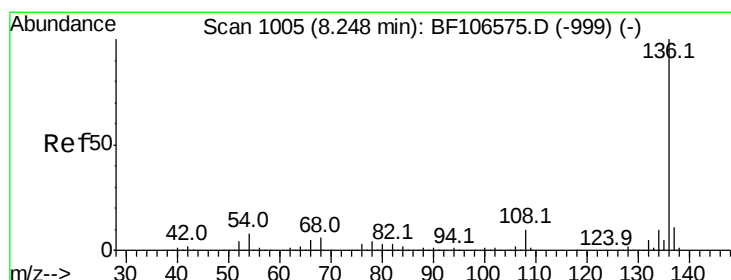
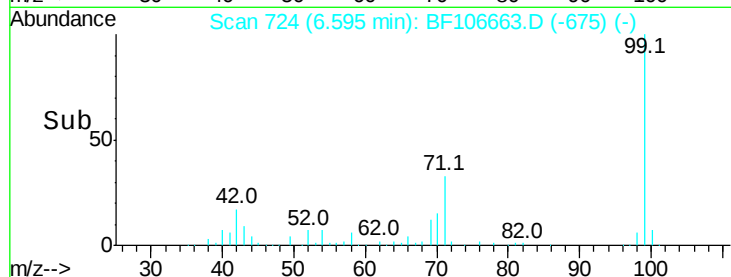
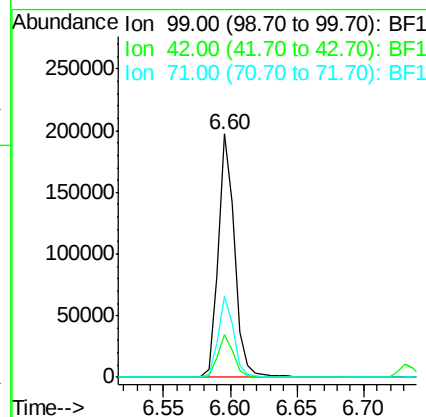
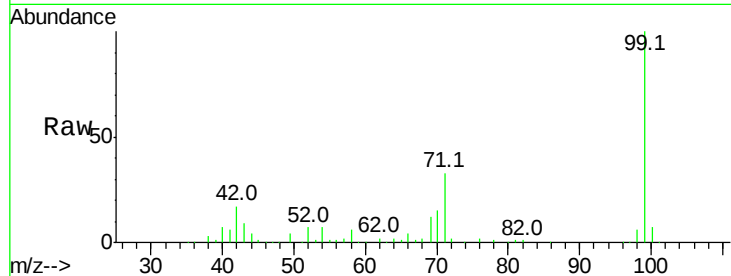
ClientSampled :

AREA-3(S)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		171036		
42	17.4	14.5	21.7		
71	33.2	25.4	38.0		

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 AM



#21

Naphthalene-d8

Concen: 20.000 ng

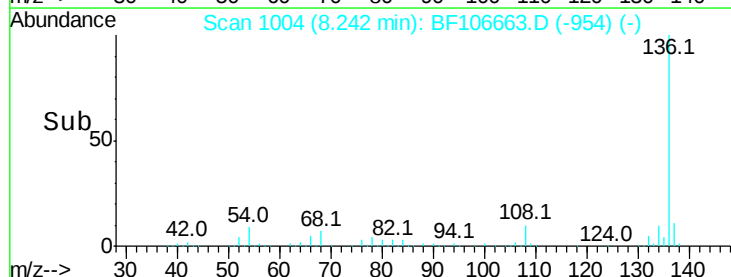
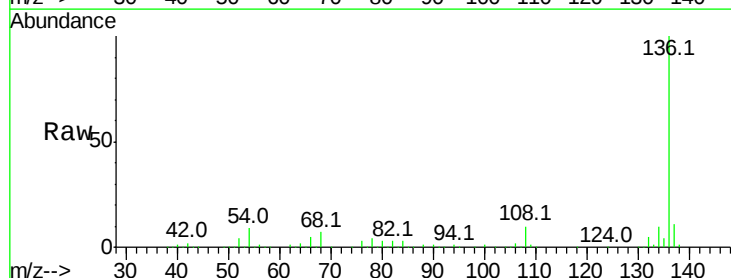
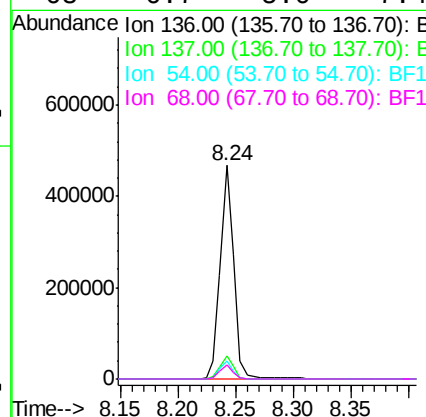
RT: 8.24 min Scan# 1004

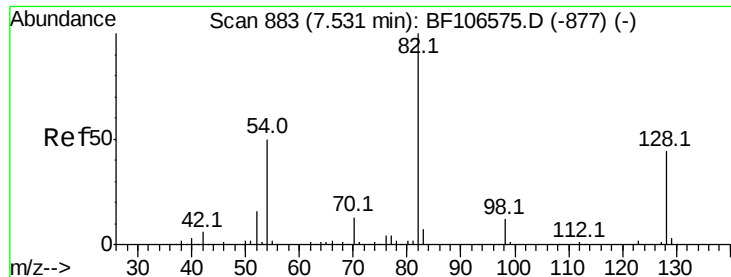
Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		381516		
137	10.9	8.9	13.3		
54	8.5	6.6	9.8		
68	6.7	5.0	7.4		





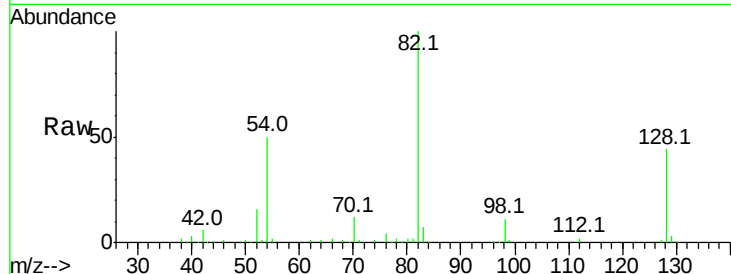
#23
Nitrobenzene-d5
Concen: 15.012 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

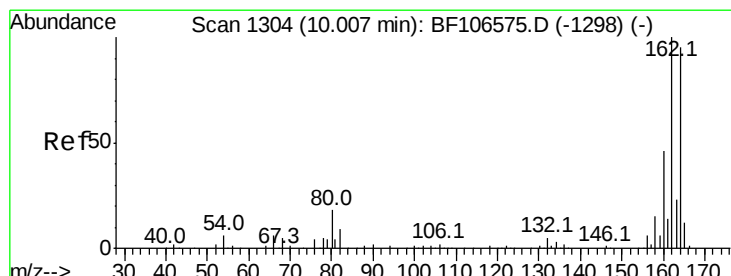
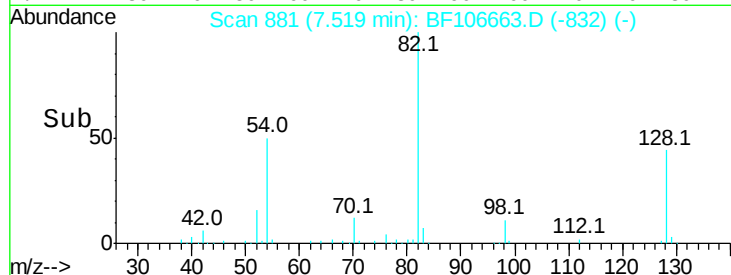
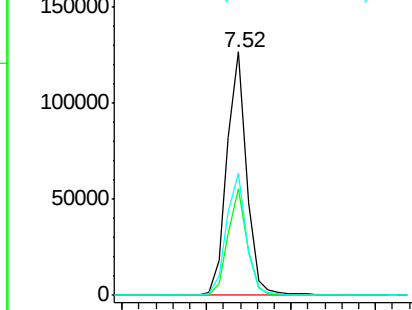
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.8	36.1	54.1	
54	49.9	41.4	62.2	

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 AM



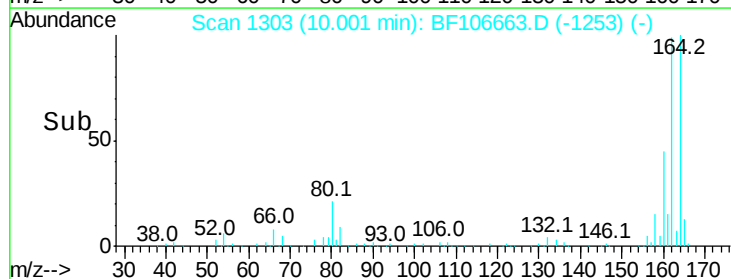
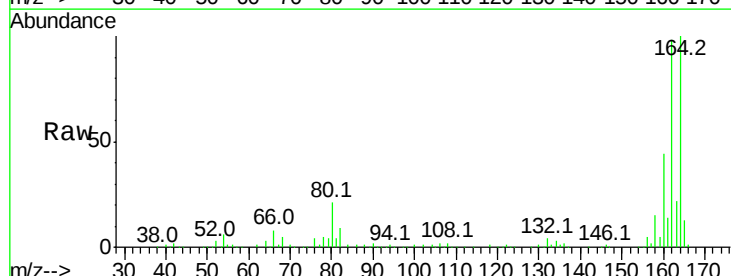
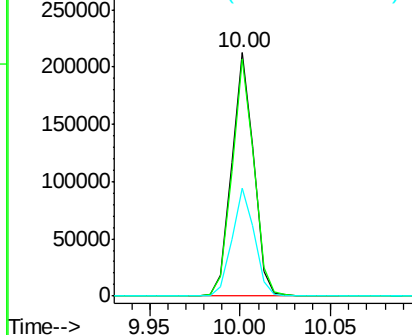
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

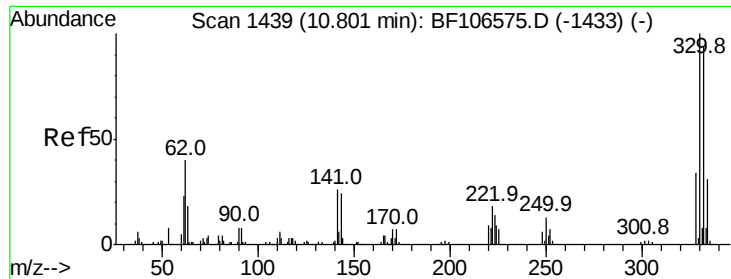


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	97.5	86.1	129.1	
160	44.1	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





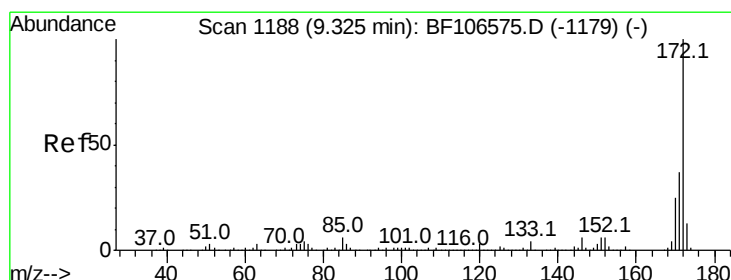
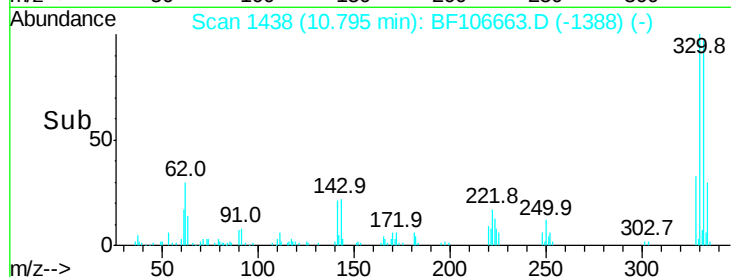
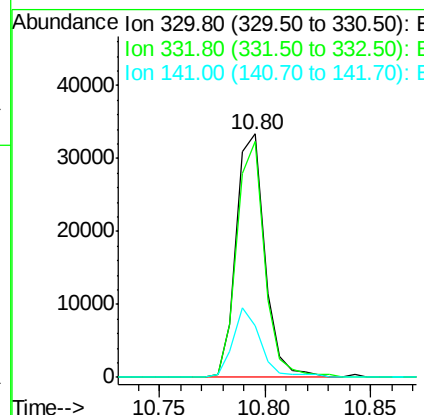
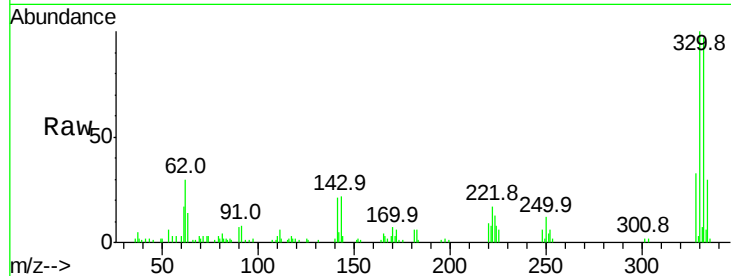
#41
 2,4,6-Tribromophenol
 Concen: 15.017 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(S)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	27.9	29.9	44.9#

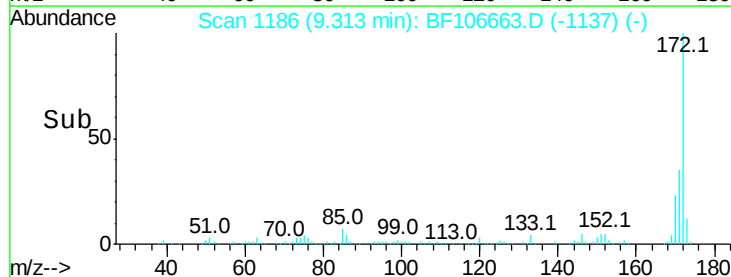
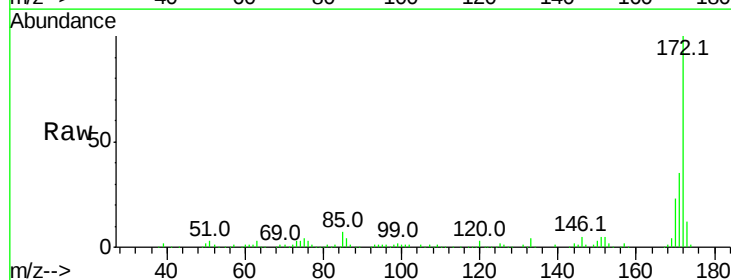
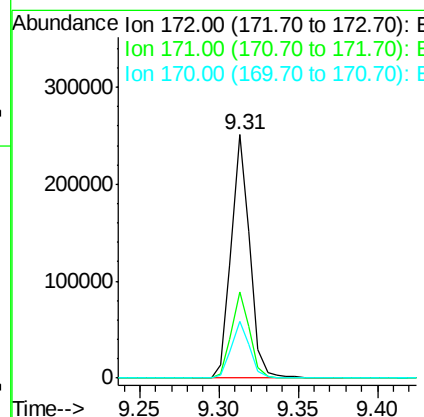
Manual Integrations
 APPROVED

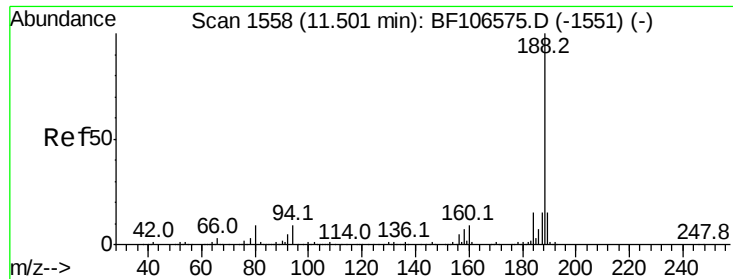
Sohil
 6/22/2018 10:23:02 AM



#44
 2-Fluorobiphenyl
 Concen: 5.422 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.4	19.6	29.4





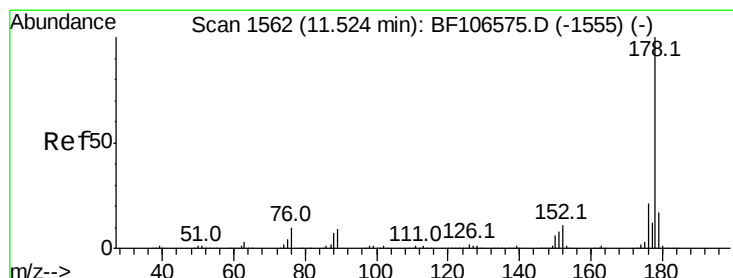
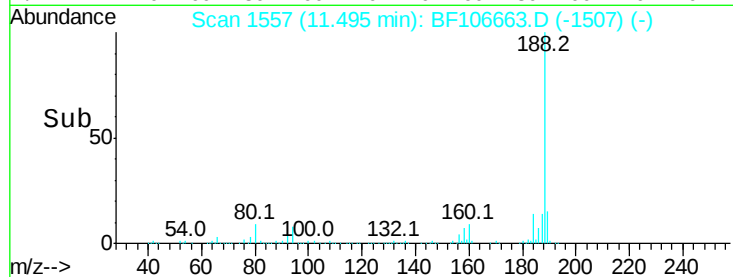
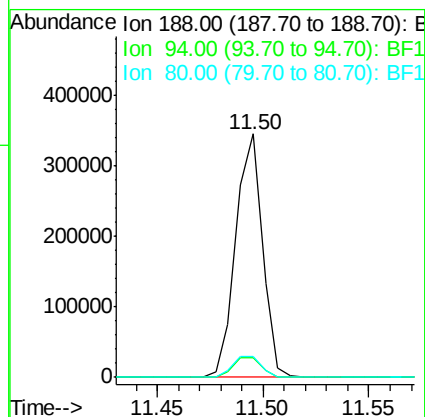
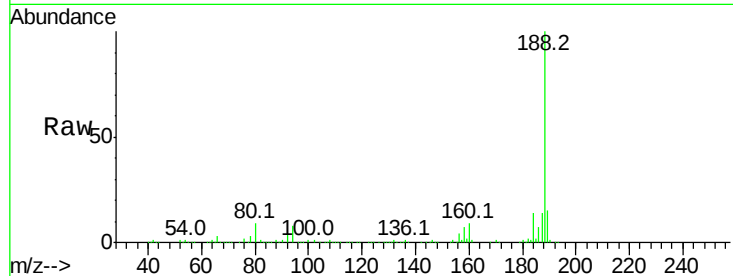
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.8	9.2	13.8#

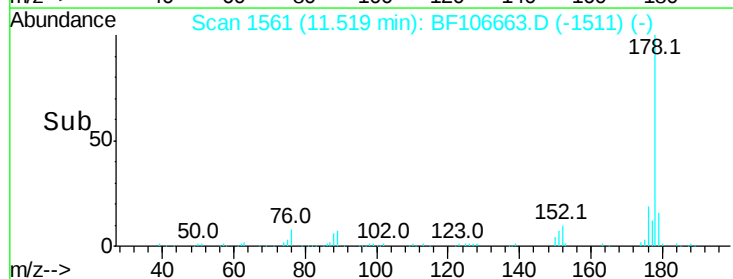
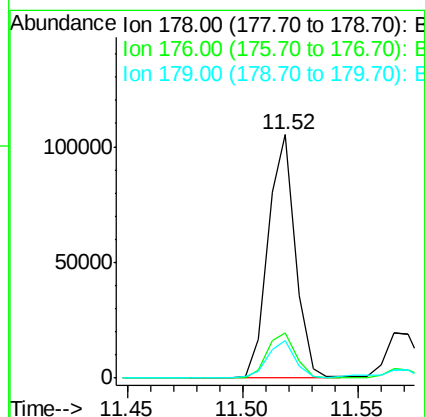
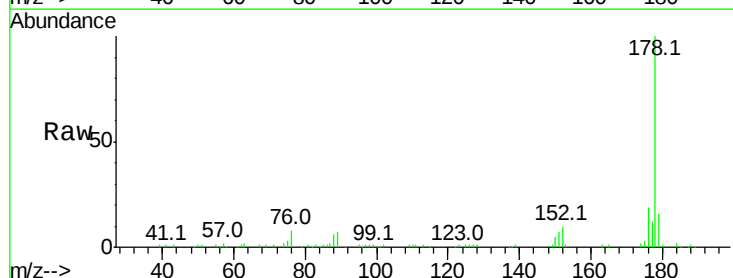
Manual Integrations
APPROVED

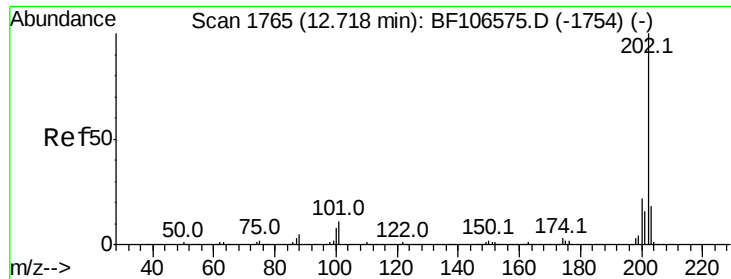
Sohil
6/22/2018 10:23:02 AM



#70
Phenanthrene
Concen: 5.956 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.7	13.0	19.6





#74

Fluoranthene

Concen: 6.741 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Instrument :

BNA_F

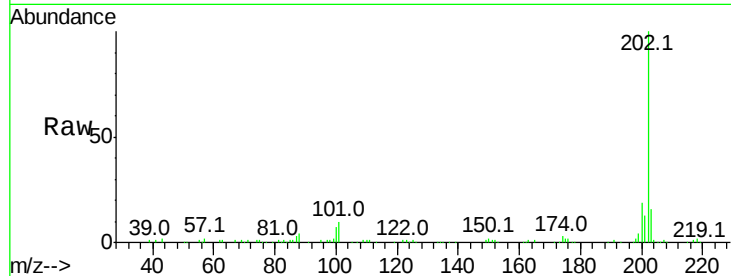
ClientSampleId :

AREA-3(S)

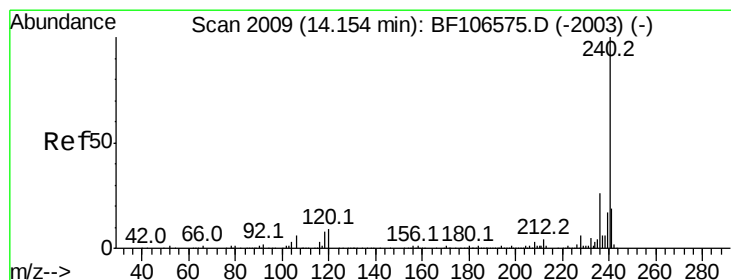
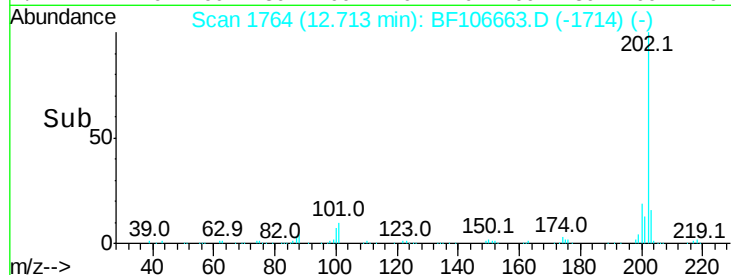
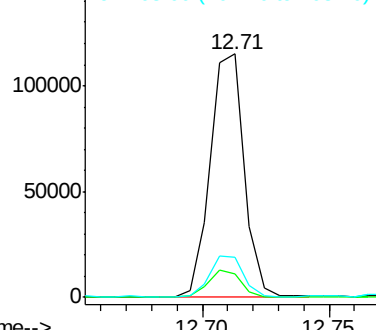
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	0.0	34.1
203	16.4	0.0	38.1

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 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

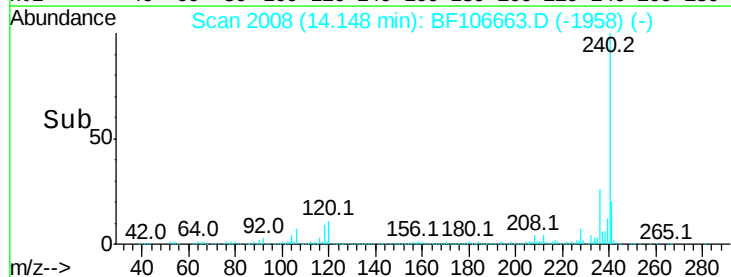
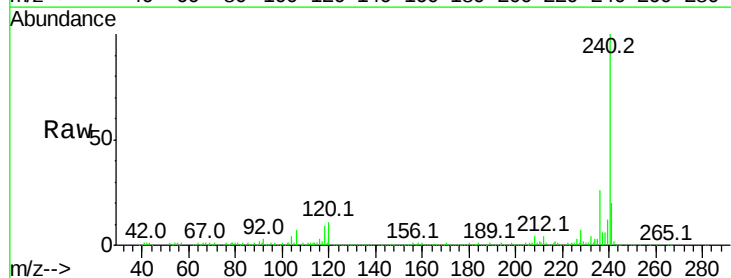
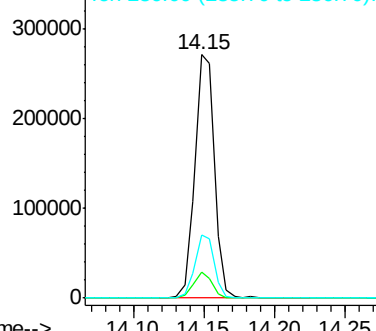
Delta R.T. -0.01 min

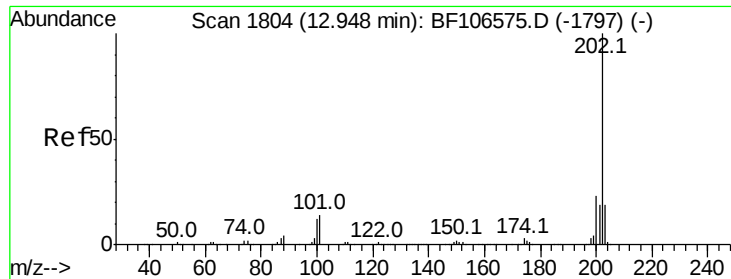
Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.1	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: 5.925 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Instrument :

BNA_F

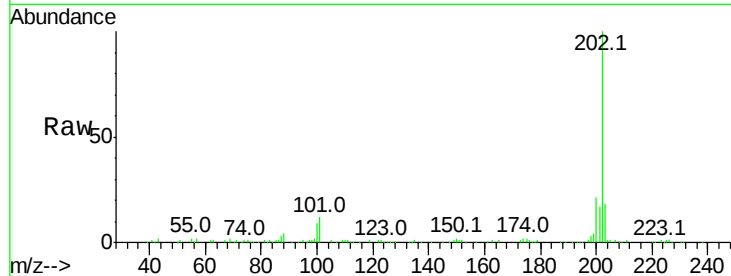
ClientSampleId :

AREA-3(S)

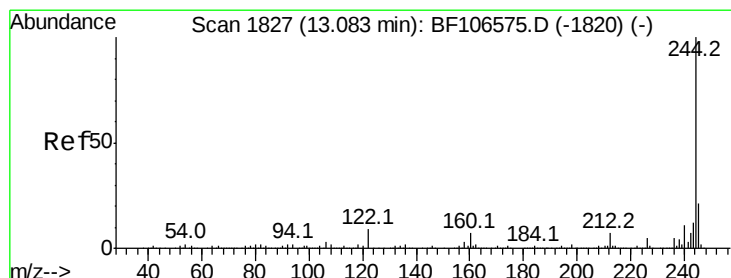
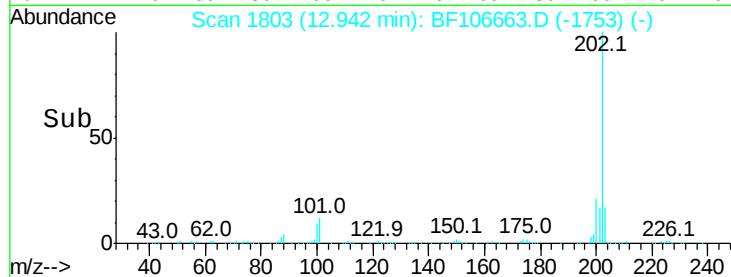
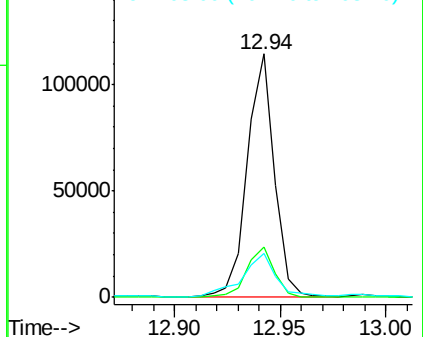
Tot Ion:	202	Resp:	102705
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 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: 17.761 ng

RT: 13.08 min Scan# 1826

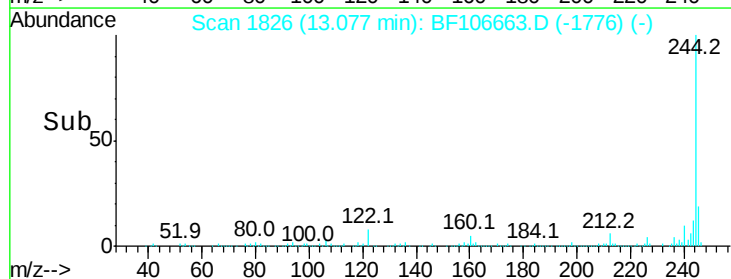
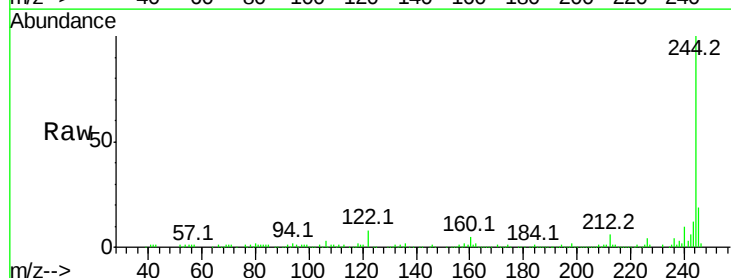
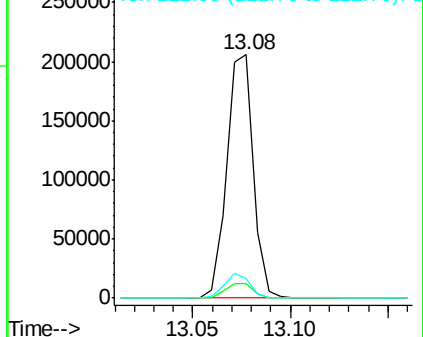
Delta R.T. -0.01 min

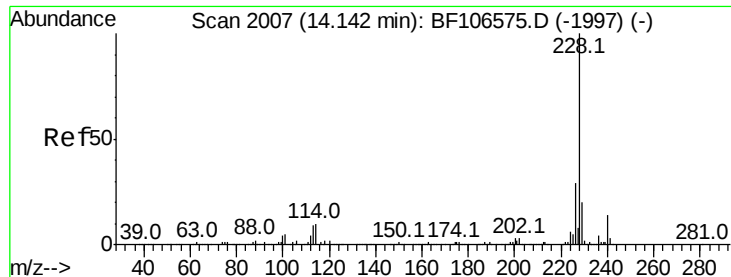
Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Tgt Ion:	244	Resp:	192756
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.4	8.0
122	8.1	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





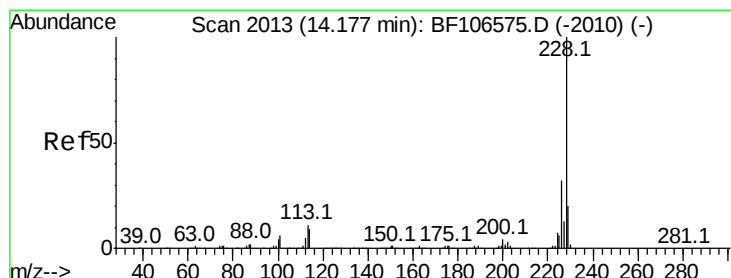
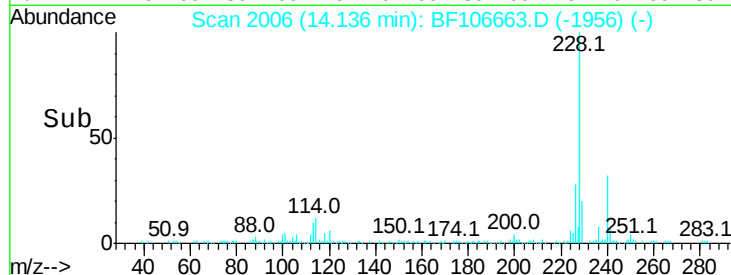
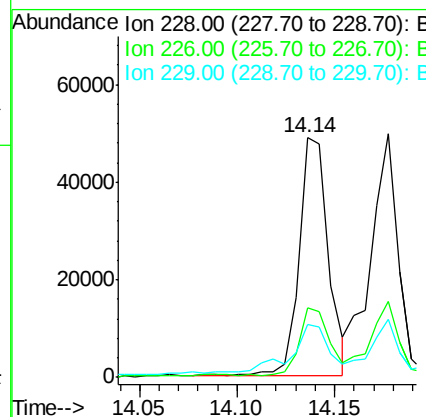
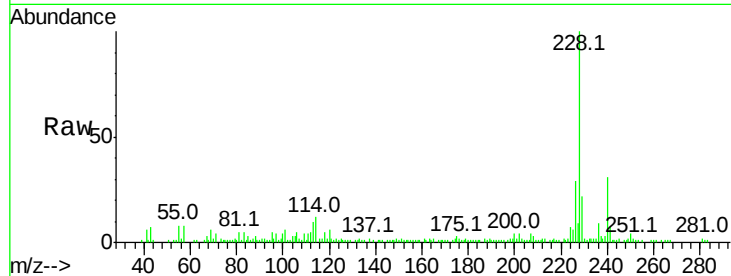
#80
Benzo(a)anthracene
Concen: 3.164 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.3	15.8	23.6

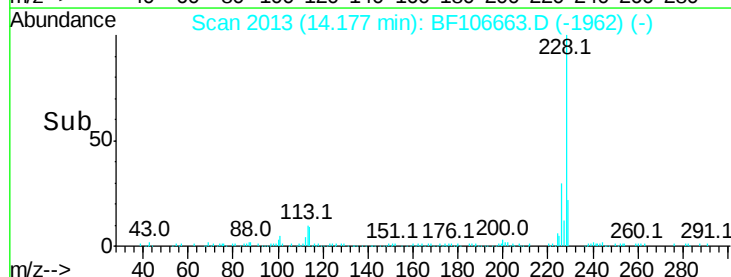
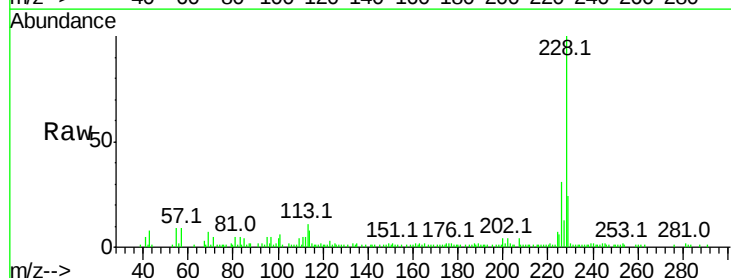
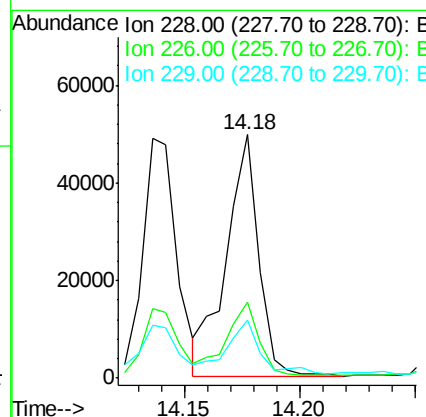
Manual Integrations
APPROVED

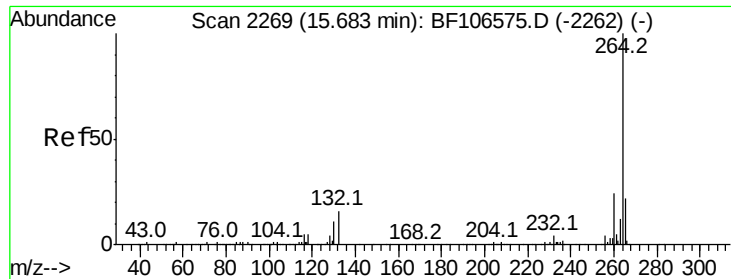
Sohil
6/22/2018 10:23:02 AM



#82
Chrysene
Concen: 3.292 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	24.0	16.2	24.4





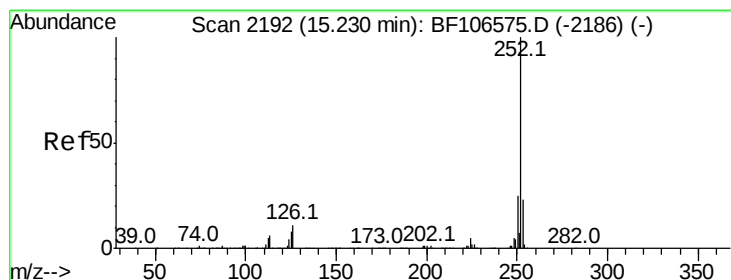
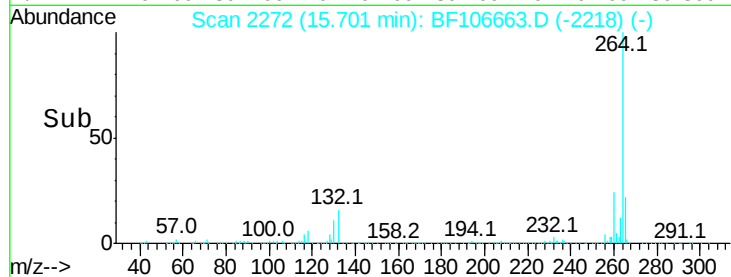
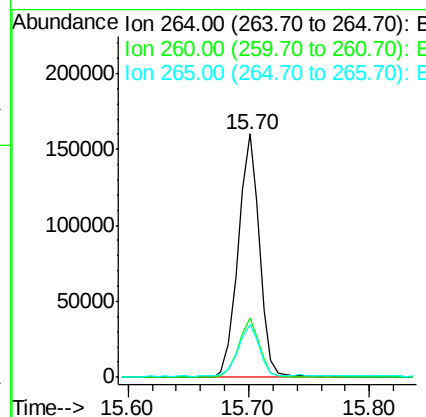
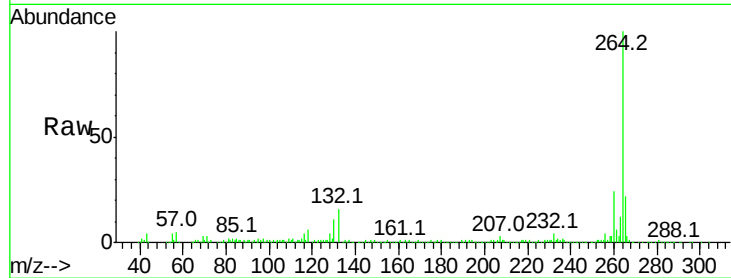
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	198011		
260	24.3	19.2	28.8	
265	21.9	17.5	26.3	

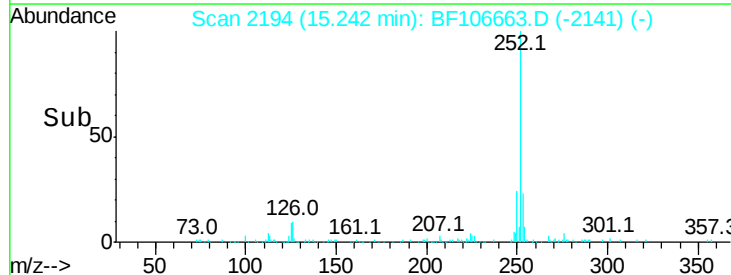
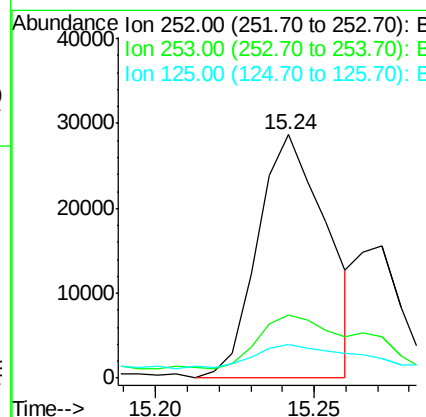
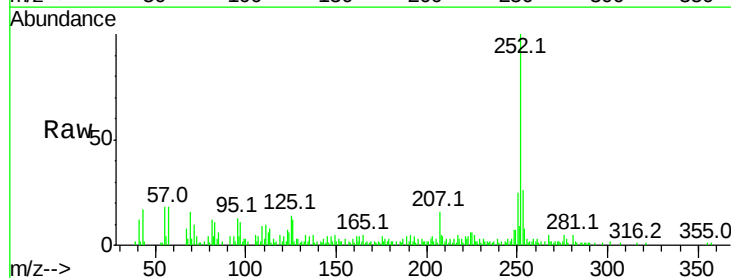
Manual Integrations
APPROVED

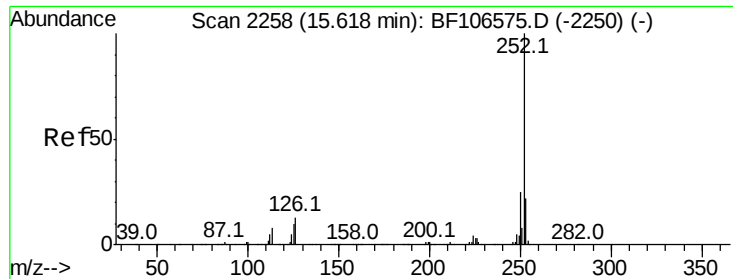
Sohil
6/22/2018 10:23:02 AM



#87
Benzo(b)fluoranthene
Concen: 3.520 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43301		
253	26.1	17.0	25.6#	
125	13.8	9.0	13.6#	





#89

Benzo(a)pyrene

Concen: 2.642 ng

RT: 15.63 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Instrument :

BNA_F

ClientSampleId :

AREA-3(S)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	14.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:02 AM

