

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107759.D
 Acq On : 27 Jul 2018 21:16
 Operator : JU/SJ
 Sample : J4121-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(3-5)

Manual Integrations
 APPROVED

Sohil
 7/30/2018 2:03:06 PM

Quant Time: Jul 28 02:17:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	163226	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	643961	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	260051	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	435918	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	401175	20.00	ng	-0.02
86) Perylene-d12	15.68	264	376010	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	941293	92.72	ng	-0.01
7) Phenol-d6	6.60	99	1376521	112.92	ng	-0.02
23) Nitrobenzene-d5	7.52	82	859009	90.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	284082	96.06	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1415377	96.77	ng	-0.02
78) Terphenyl-d14	13.08	244	1116869	71.27	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	103348	3.650	ng	98
48) Acenaphthylene	9.86	152	135814	5.221	ng	98
49) Dimethylphthalate	9.71	163	116985	5.969	ng	99
57) Fluorene	10.55	166	51459	3.006	ng	# 96
70) Phenanthrene	11.52	178	355450	16.733	ng	98
71) Anthracene	11.57	178	172014	8.043	ng	99
74) Fluoranthene	12.71	202	597393	26.208	ng	97
77) Pyrene	12.95	202	745922	27.183	ng	97
80) Benzo(a)anthracene	14.14	228	439030	18.675	ng	93
82) Chrysene	14.17	228	338016	14.968	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	117303	6.129	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	350557m	17.035	ng	
88) Benzo(k)fluoranthene	15.25	252	162277m	8.049	ng	
89) Benzo(a)pyrene	15.61	252	298572	15.861	ng	97
91) Benzo(a,h,i)perylene	17.74	276	112681	7.020	ng	94

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

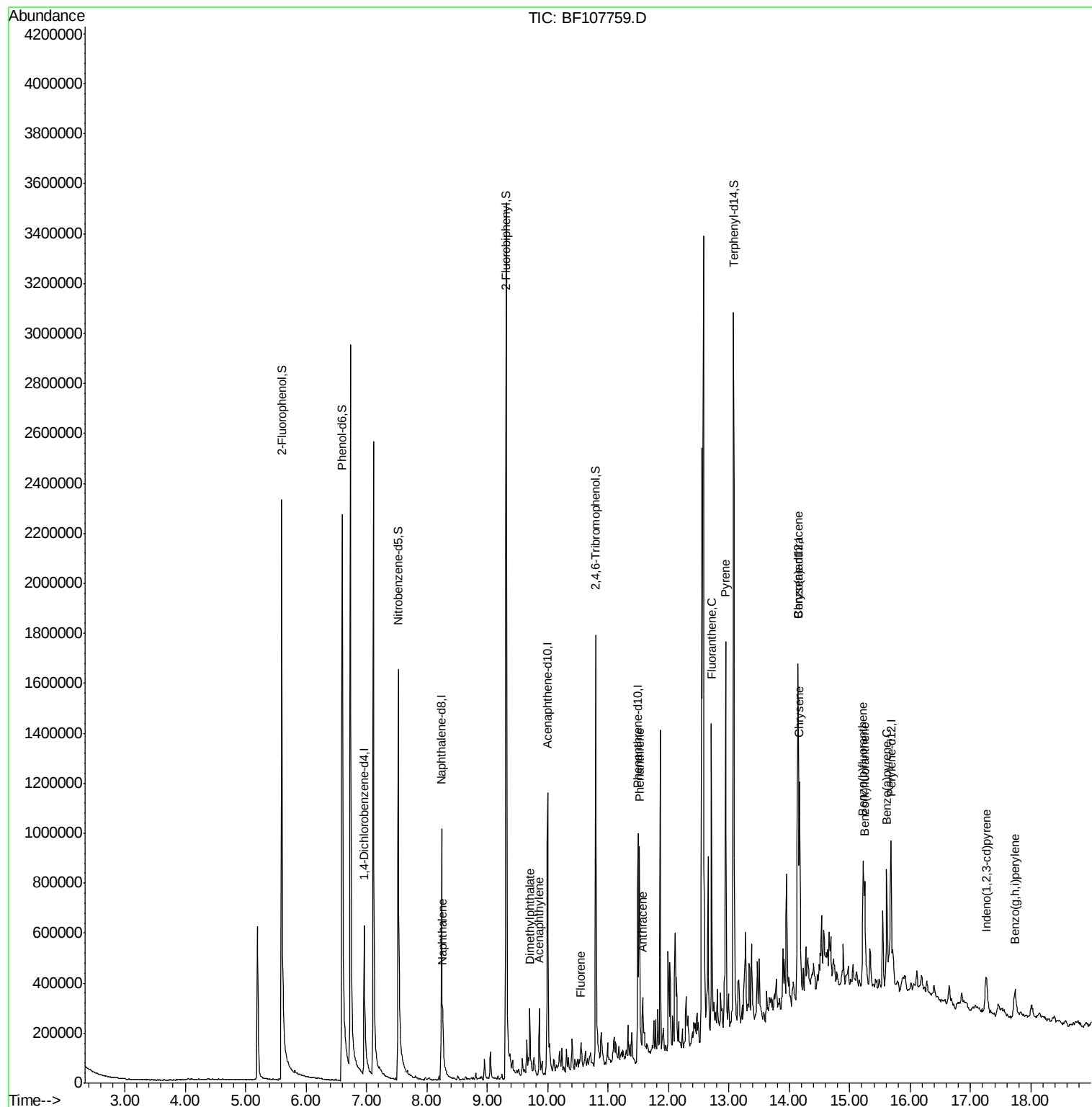
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107759.D
Acq On : 27 Jul 2018 21:16
Operator : JU/SJ
Sample : J4121-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

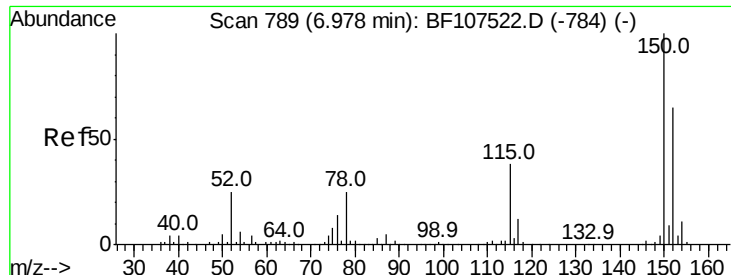
Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:06 PM

Quant Time: Jul 28 02:17:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration





#1

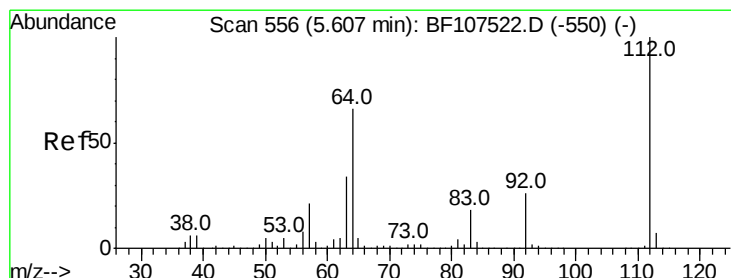
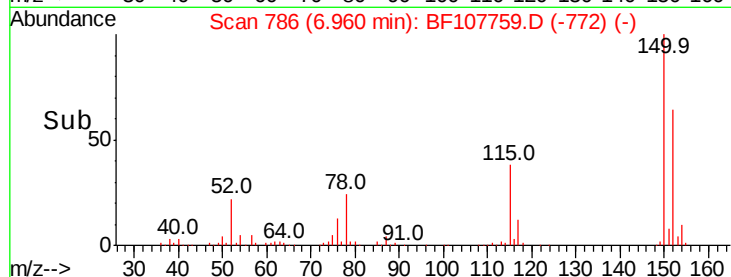
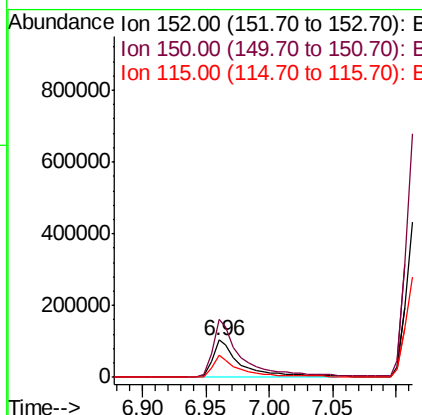
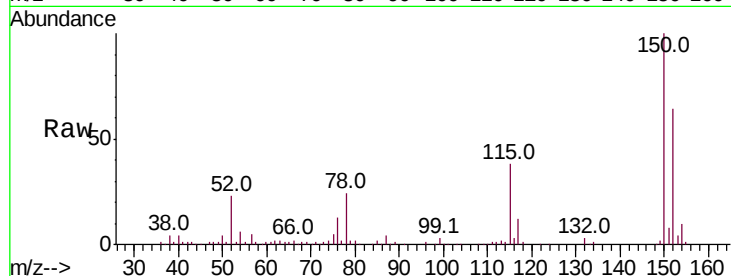
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	59.5	50.1	75.1

Manual Integrations
APPROVED

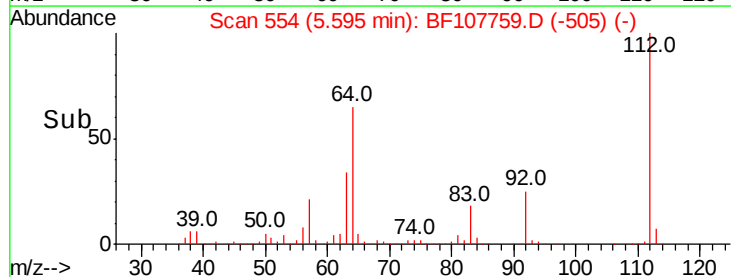
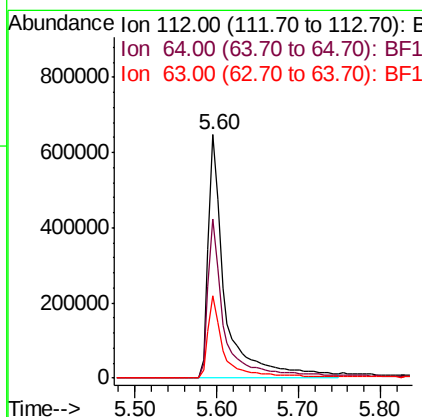
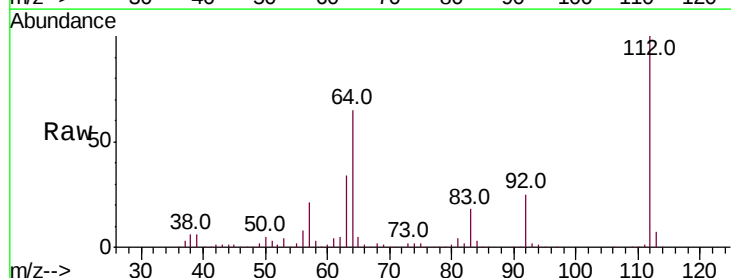
Sohil
7/30/2018 2:03:06 PM

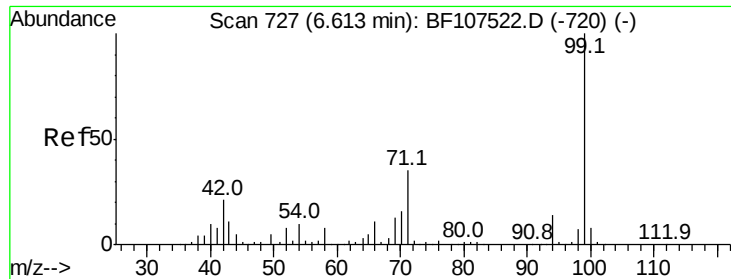


#5

2-Fluorophenol
Concen: 92.719 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 112.922 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107759.D

Acq: 27 Jul 2018 21:16

Instrument :

BNA_F

ClientSampled :

SB-7(3-5)

Tot Ion: 99 Resp: 1376521

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

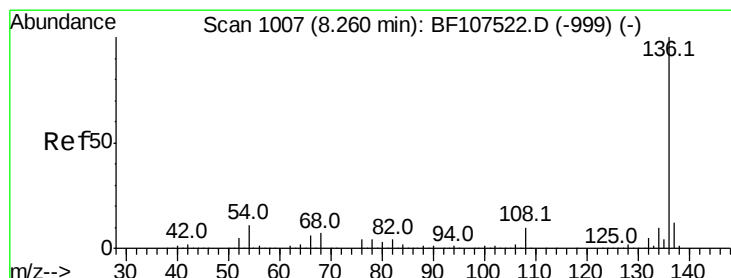
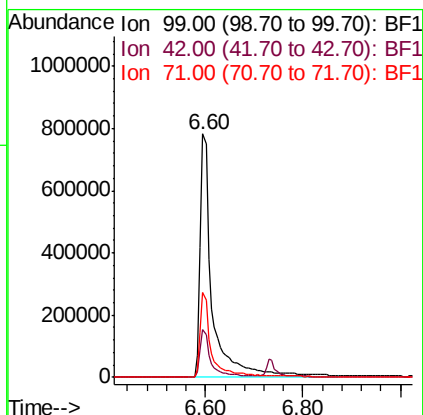
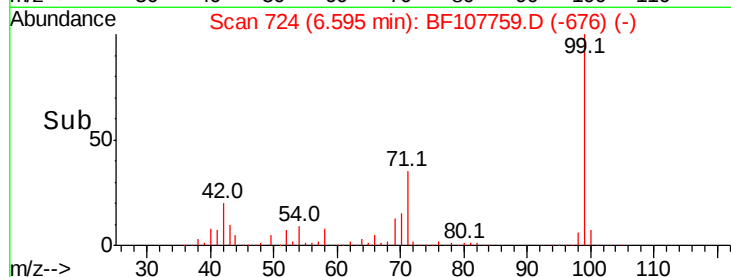
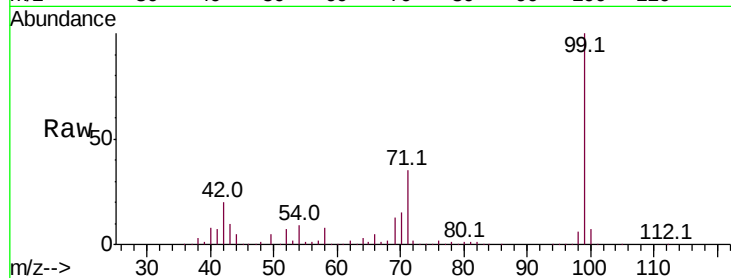
71 34.7 25.4 38.0

Manual Integrations

APPROVED

Sohil

7/30/2018 2:03:06 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107759.D

Acq: 27 Jul 2018 21:16

Tgt Ion: 136 Resp: 643961

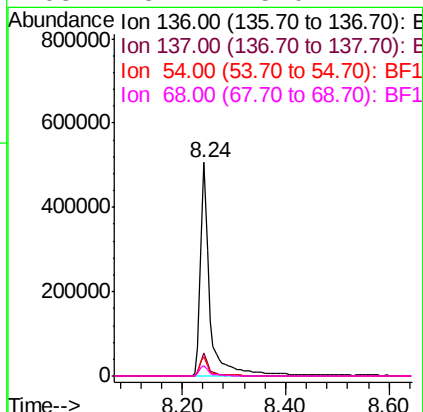
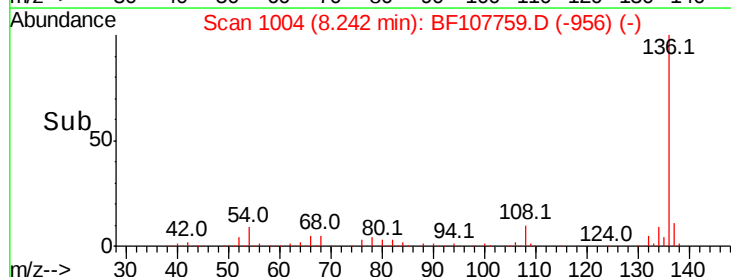
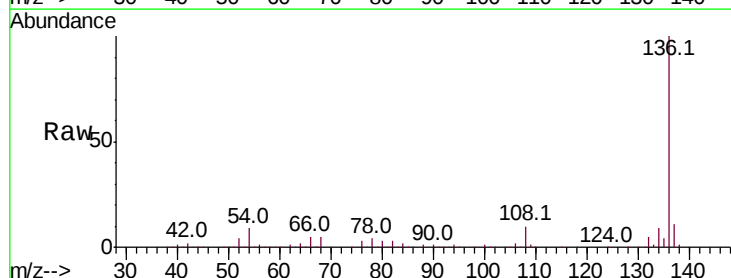
Ion Ratio Lower Upper

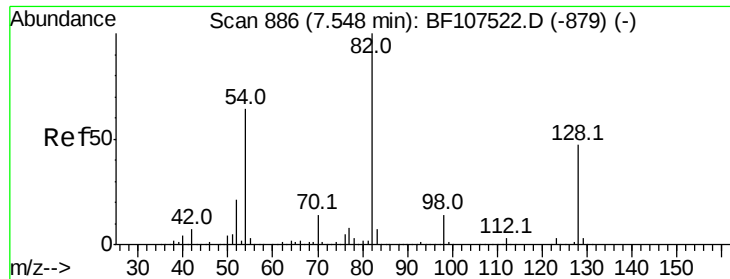
136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 5.1 5.0 7.4





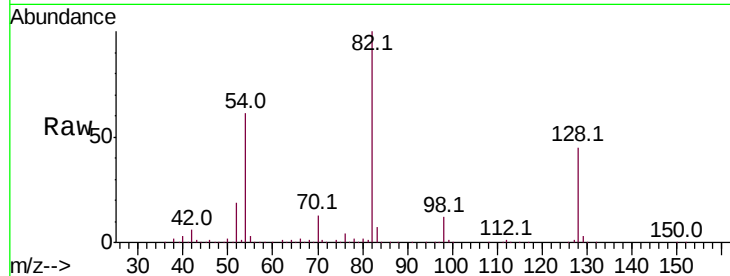
#23
Nitrobenzene-d5
Concen: 90.025 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	60.6	41.4	62.2

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:06 PM

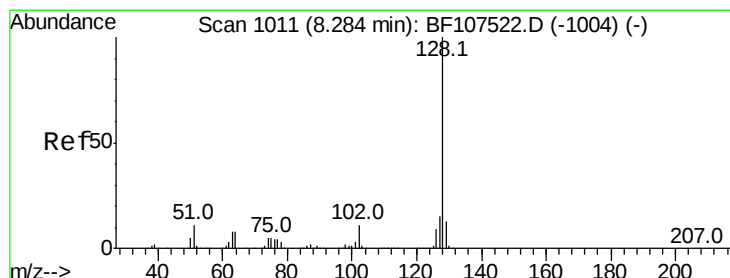
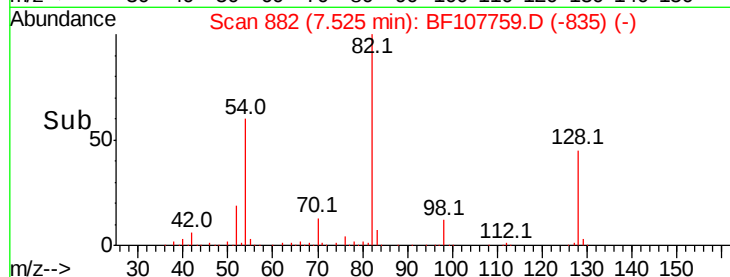
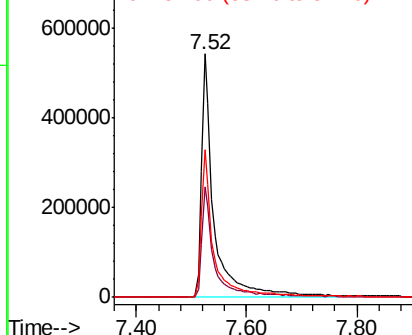


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 3.650 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

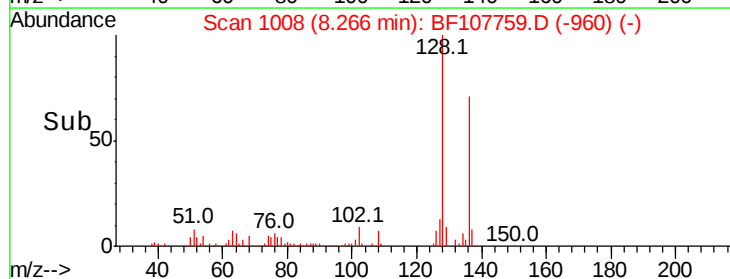
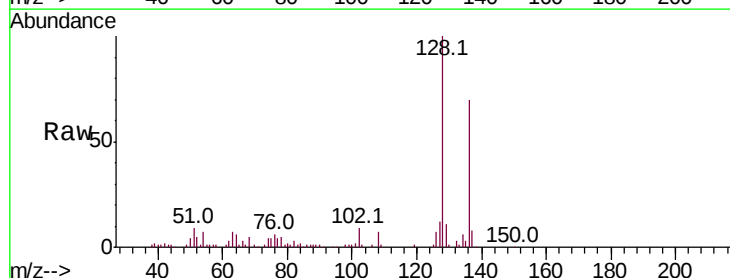
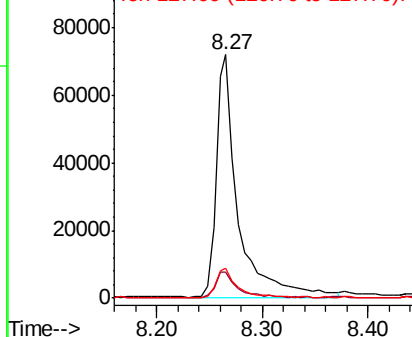
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.4	10.9	16.3

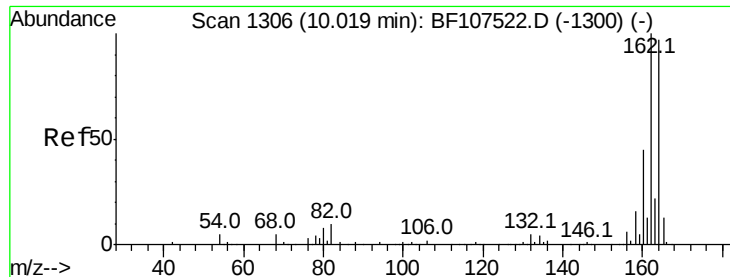
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





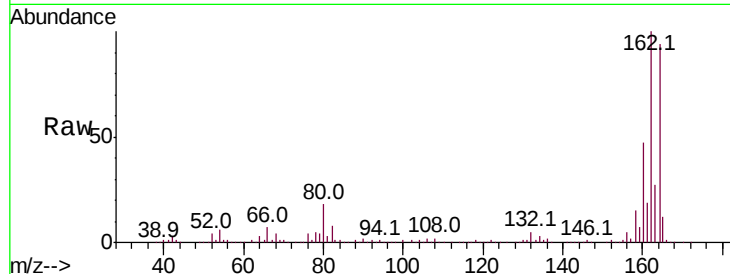
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	260051		
162	106.8	86.1	129.1	
160	50.1	38.3	57.5	

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:06 PM

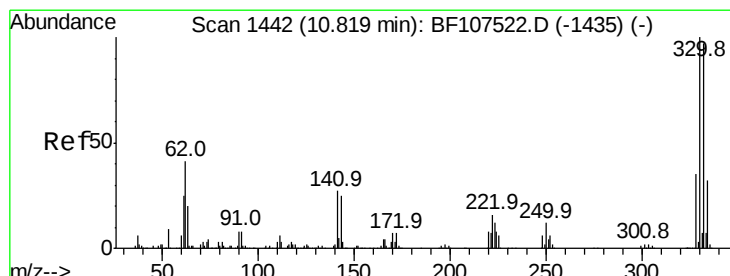
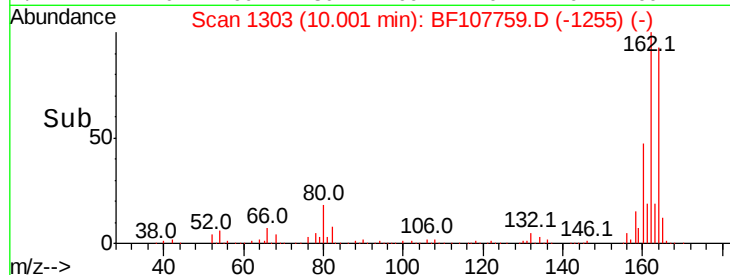
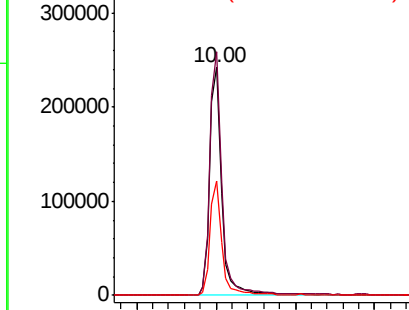


Abundance

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: 96.065 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

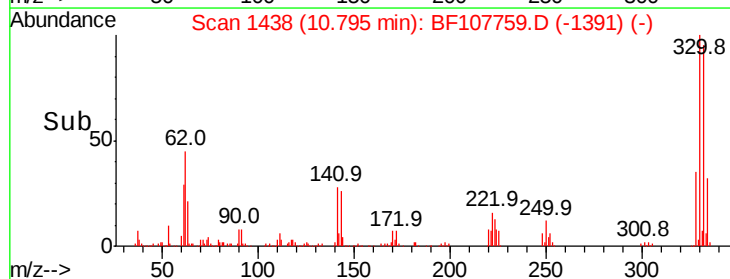
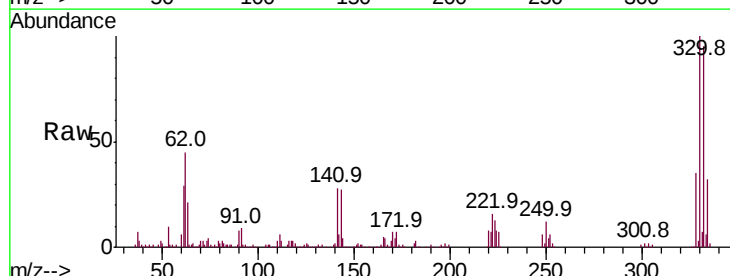
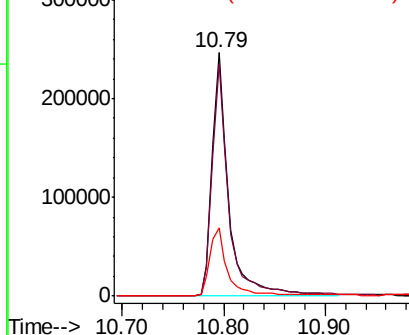
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	284082		
332	97.3	77.0	115.6	
141	28.7	29.9	44.9#	

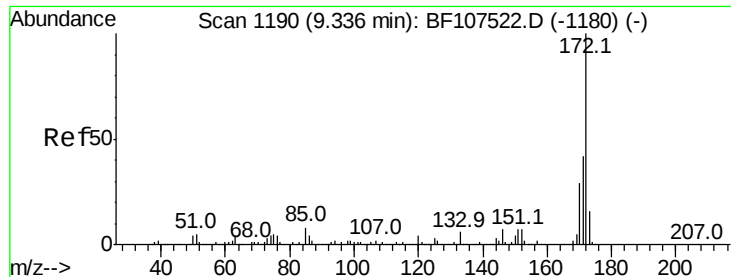
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





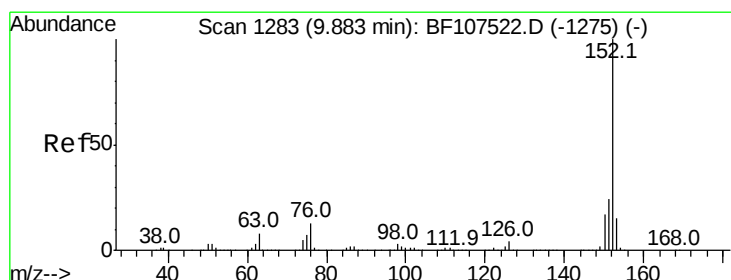
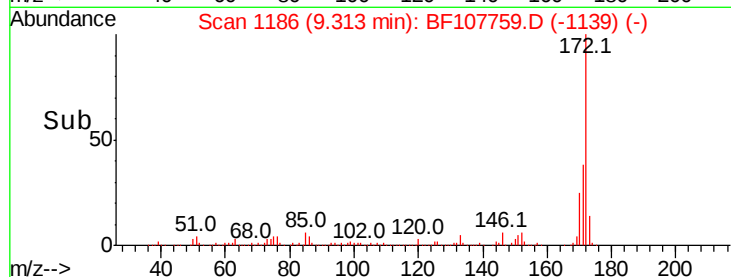
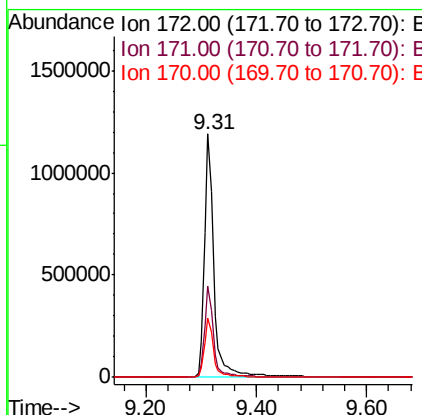
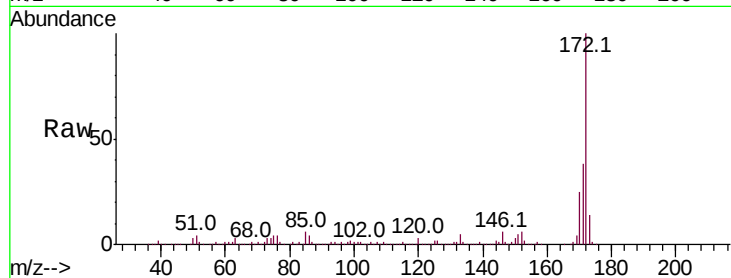
#44
 2-Fluorobiphenyl
 Concen: 96.772 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	24.5	19.6	29.4

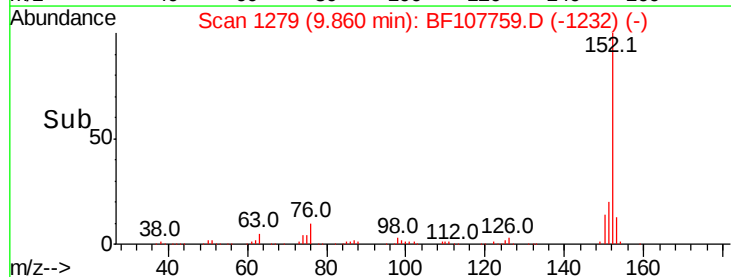
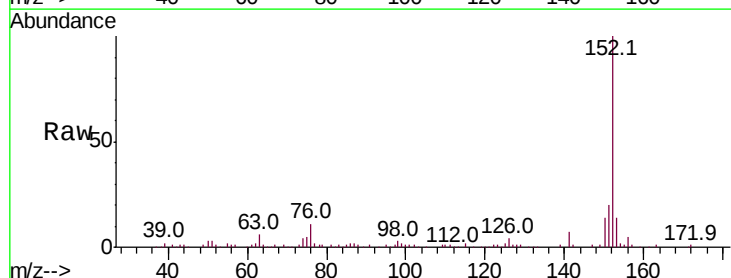
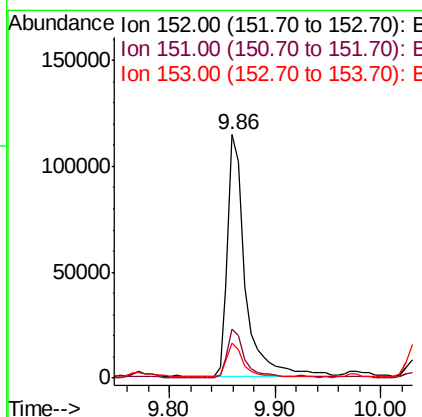
Manual Integrations
 APPROVED

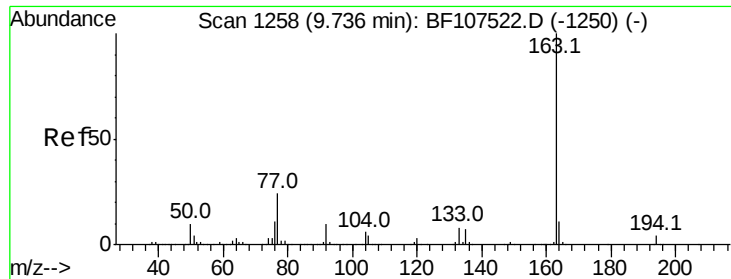
Sohil
 7/30/2018 2:03:06 PM



#48
 Acenaphthylene
 Concen: 5.221 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	14.5	10.7	16.1





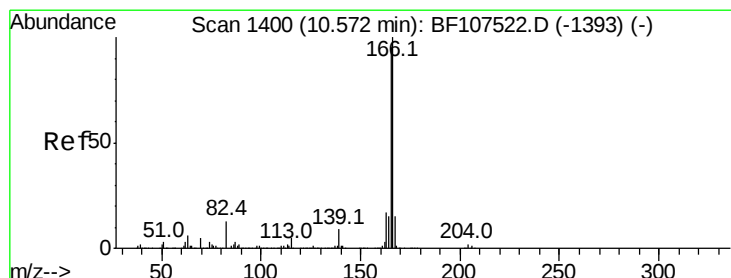
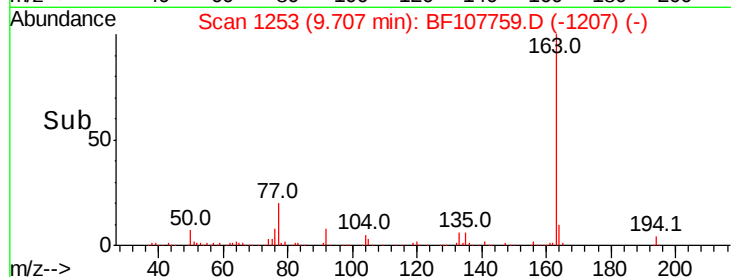
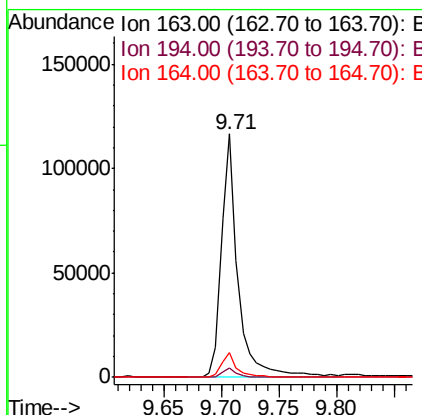
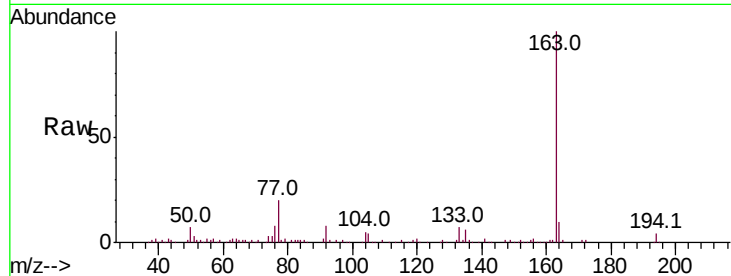
#49
Dimethylphthalate
Concen: 5.969 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.1	8.2	12.2	

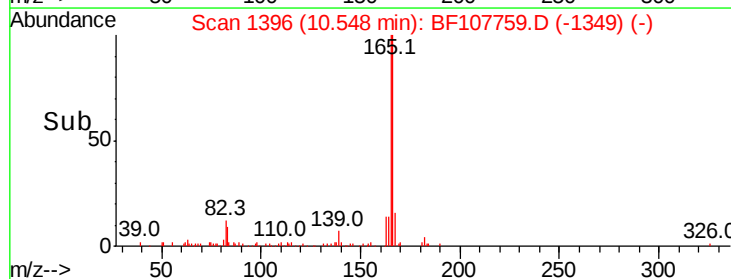
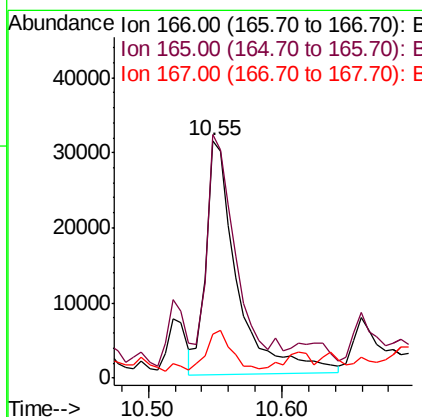
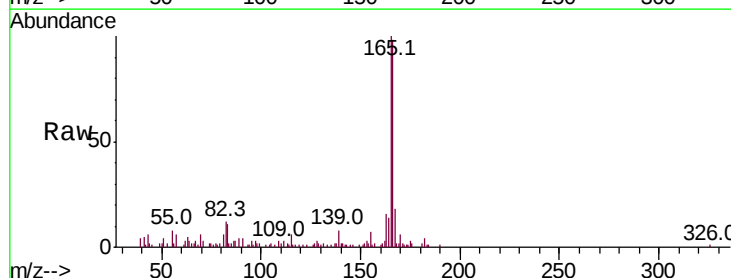
Manual Integrations
APPROVED

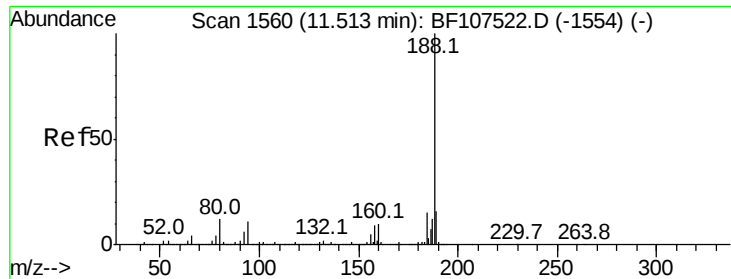
Sohil
7/30/2018 2:03:06 PM



#57
Fluorene
Concen: 3.006 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	102.5	79.8	119.8	
167	18.6	10.6	16.0	





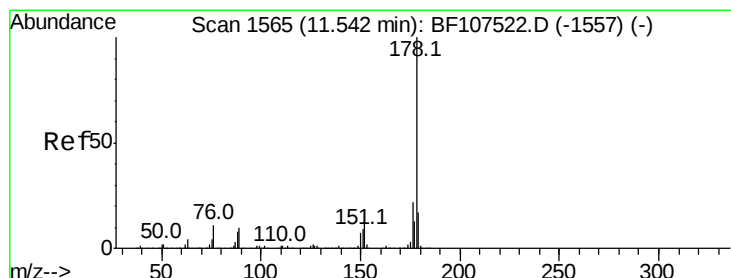
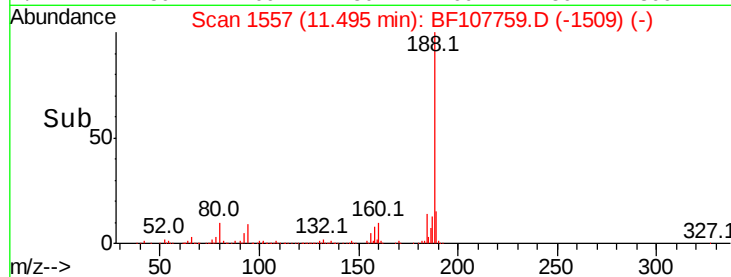
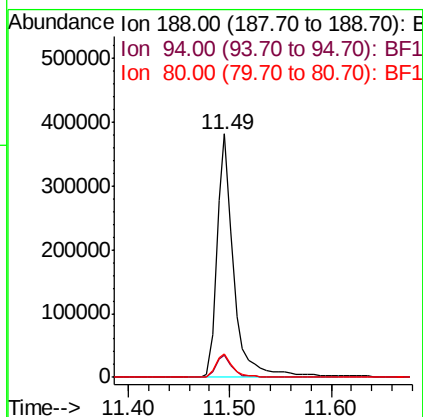
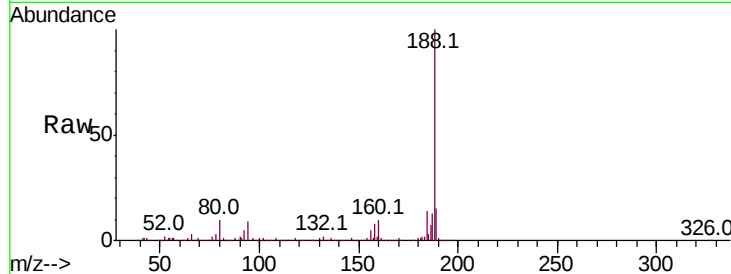
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.9	9.2	13.8

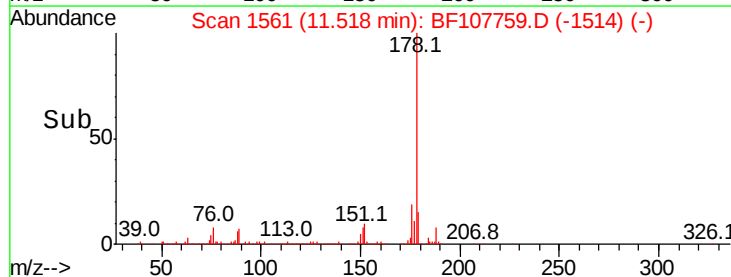
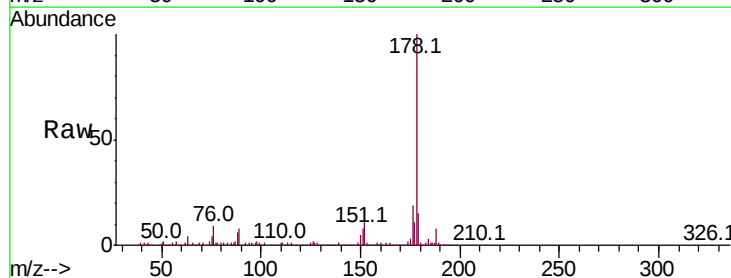
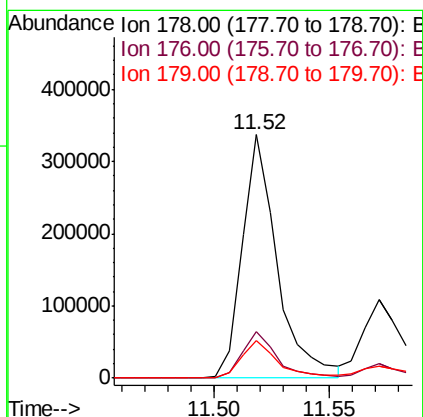
Manual Integrations
APPROVED

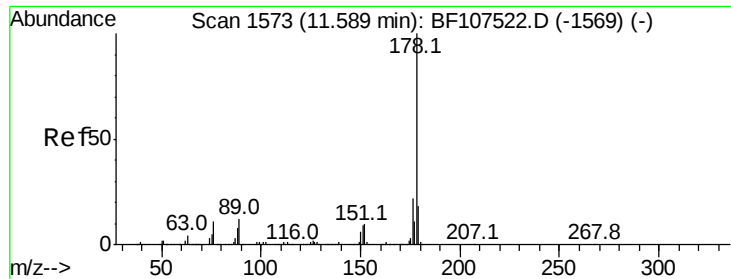
Sohil
7/30/2018 2:03:06 PM



#70
Phenanthrene
Concen: 16.733 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6





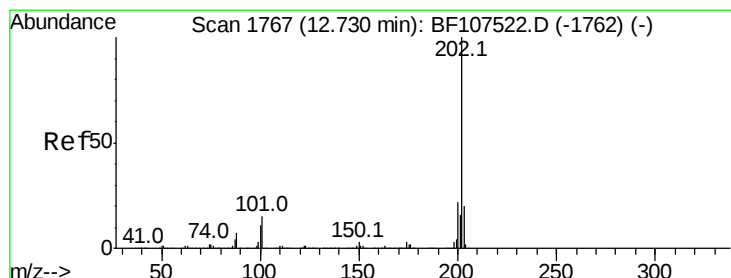
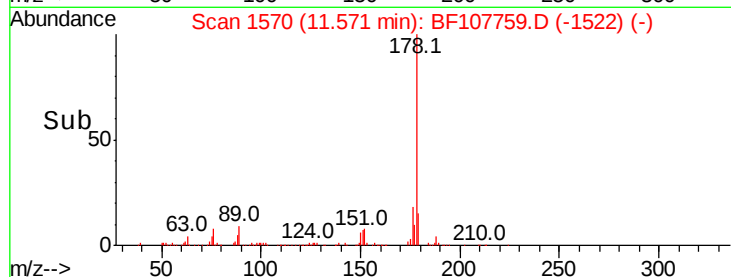
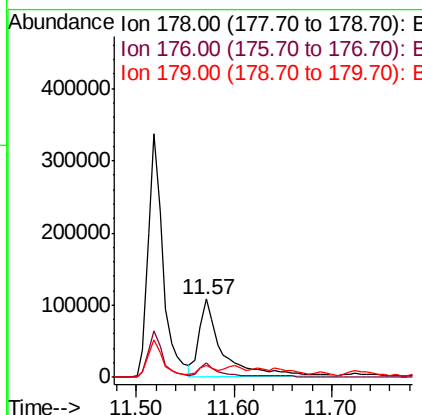
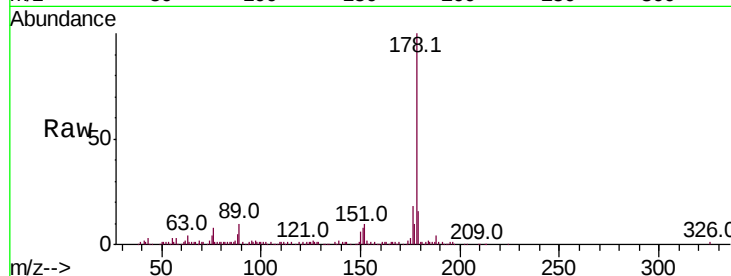
#71
 Anthracene
 Concen: 8.043 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(3-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0

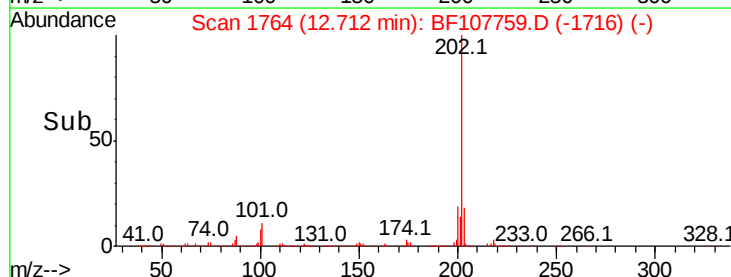
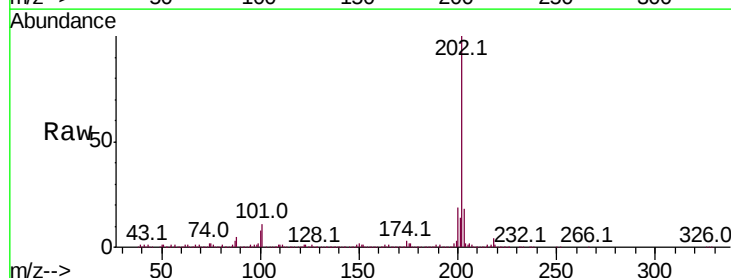
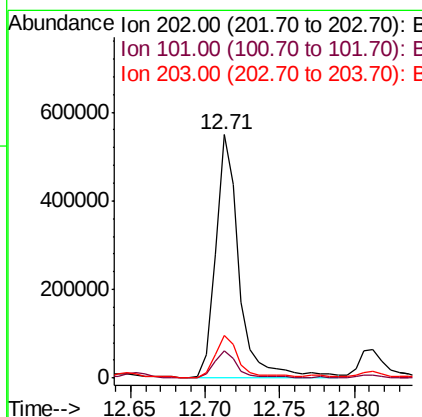
Manual Integrations
 APPROVED

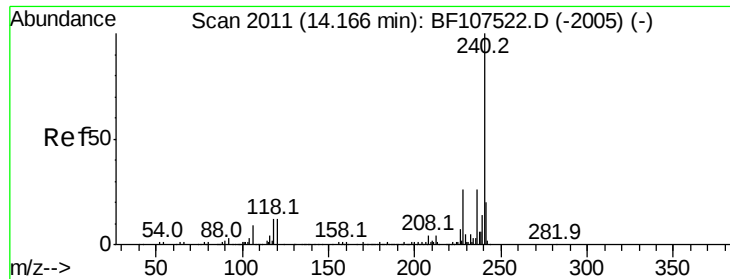
Sohil
 7/30/2018 2:03:06 PM



#74
 Fluoranthene
 Concen: 26.208 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107759.D

Acq: 27 Jul 2018 21:16

Instrument :

BNA_F

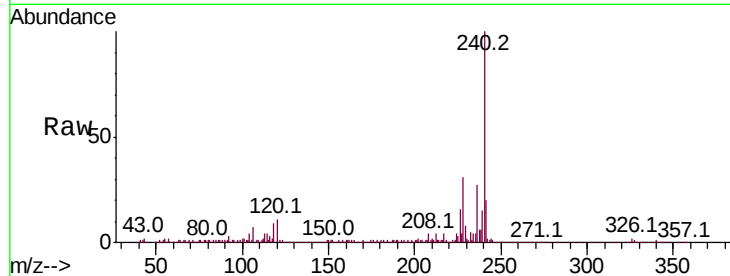
ClientSampled :

SB-7(3-5)

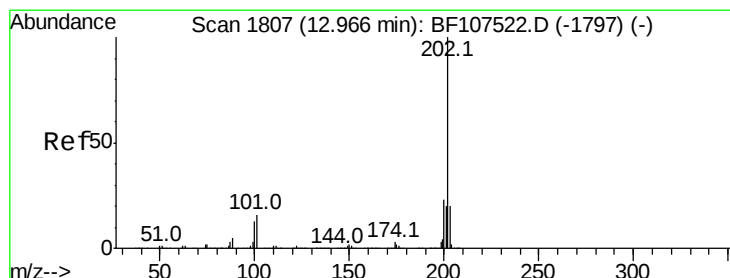
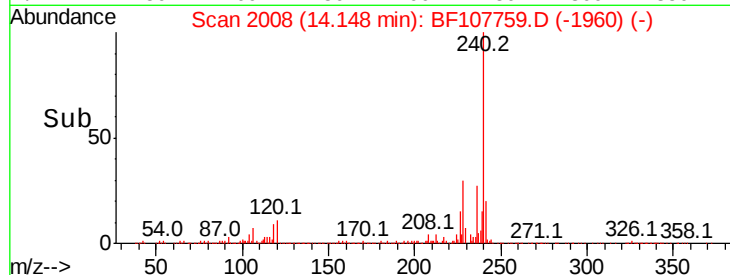
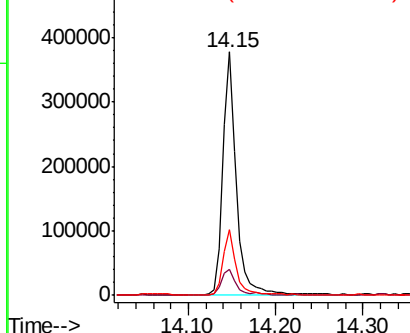
Tot Ion:	240	Resp:	401175
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	26.9	20.7	31.1

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:06 PM



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

Pyrene

Concen: 27.183 ng

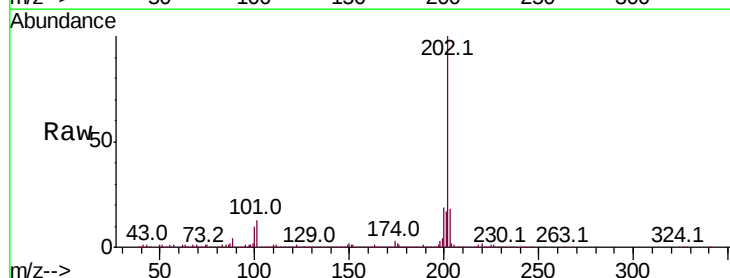
RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

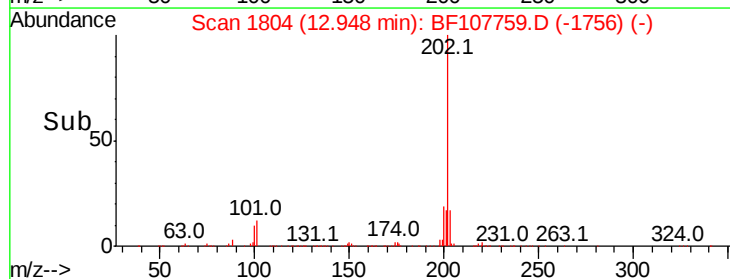
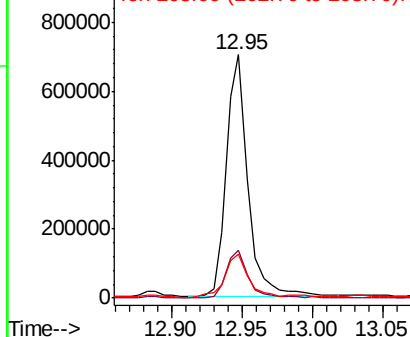
Lab File: BF107759.D

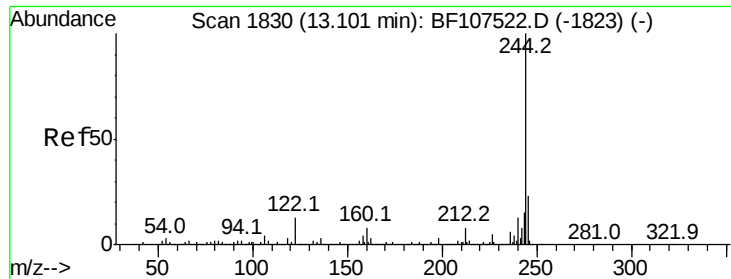
Acq: 27 Jul 2018 21:16

Tgt Ion:	202	Resp:	745922
Ion Ratio	Lower	Upper	
202	100		
200	19.4	17.4	26.2
203	17.8	14.3	21.5



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: 71.273 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107759.D

Acq: 27 Jul 2018 21:16

Instrument :

BNA_F

ClientSampleId :

SB-7(3-5)

Tot Ion:244 Resp: 1116869

Ion Ratio Lower Upper

244 100

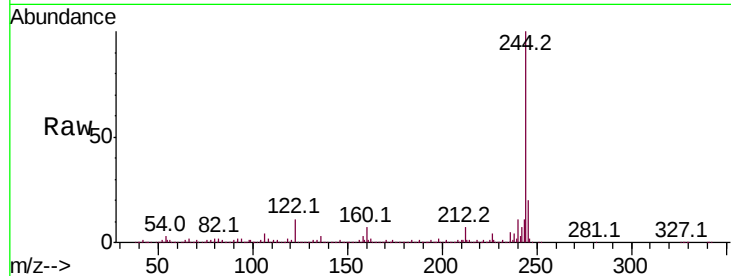
212 7.0 5.4 8.0

122 11.5 11.0 16.4

Manual Integrations
APPROVED

Sohil

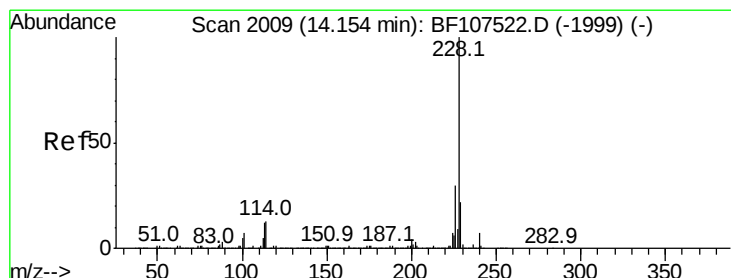
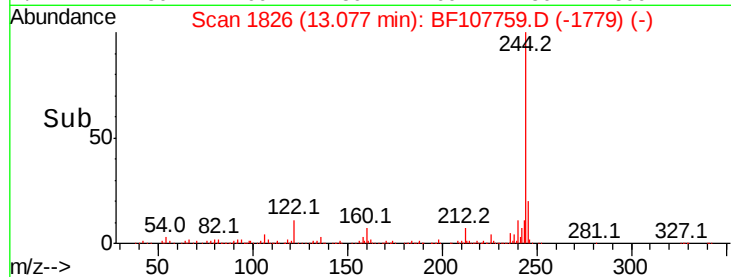
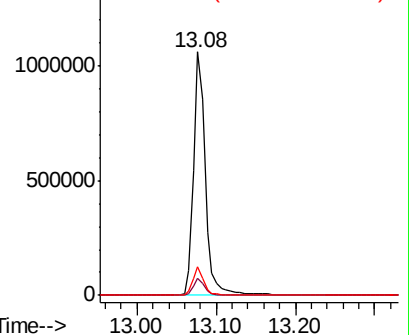
7/30/2018 2:03:06 PM



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: 18.675 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107759.D

Acq: 27 Jul 2018 21:16

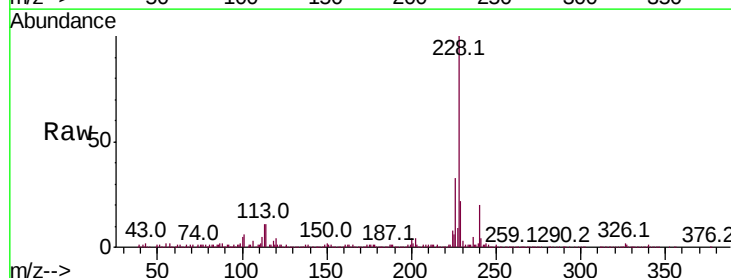
Tgt Ion:228 Resp: 439030

Ion Ratio Lower Upper

228 100

226 32.7 22.6 33.8

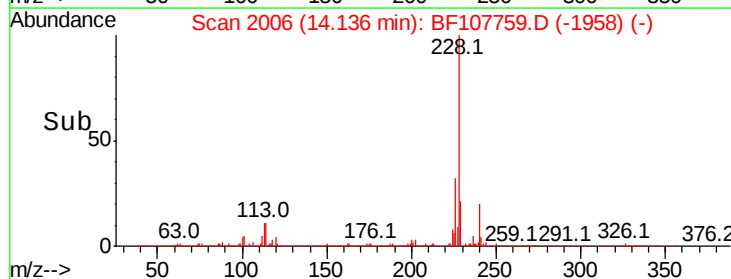
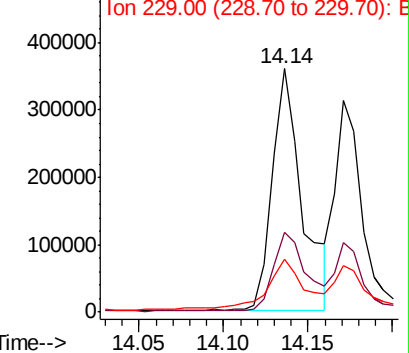
229 21.8 15.8 23.6

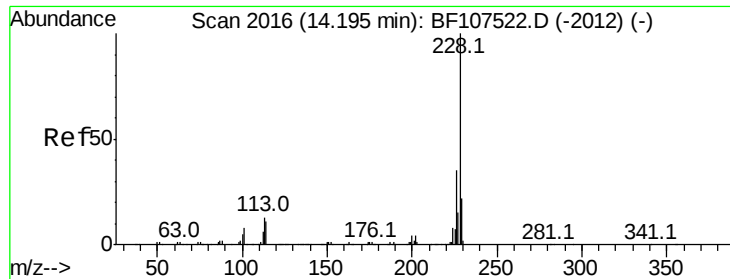


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





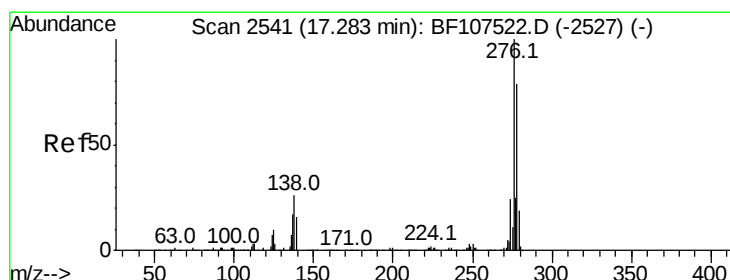
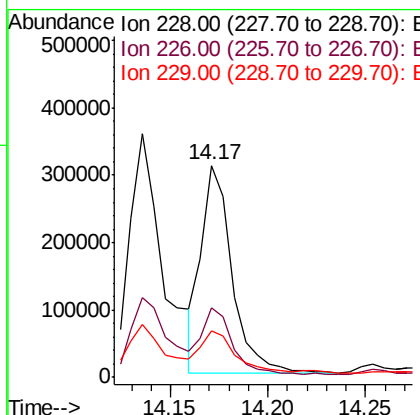
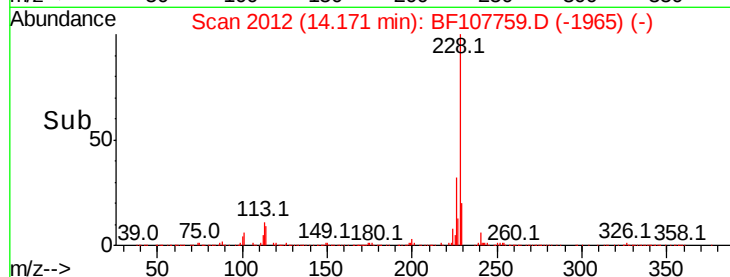
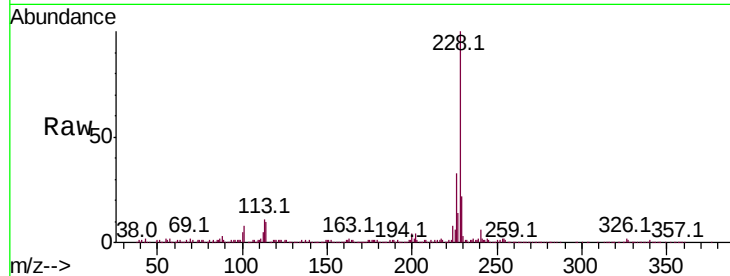
#82
 Chrysene
 Concen: 14.968 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Instrument :
 BNA_F
 ClientSampleID :
 SB-7(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	32.8	25.0	37.6	
229	22.2	16.2	24.4	

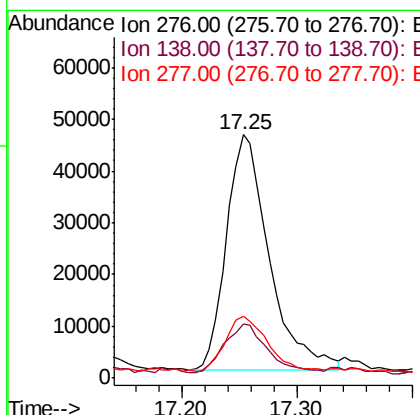
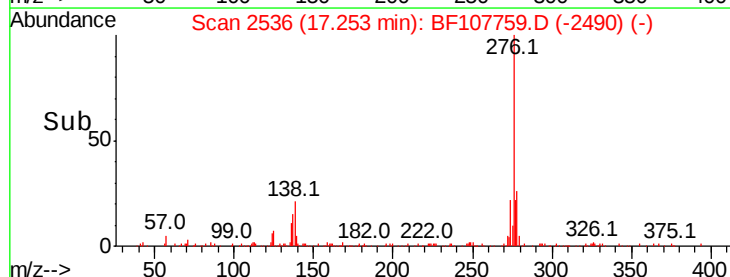
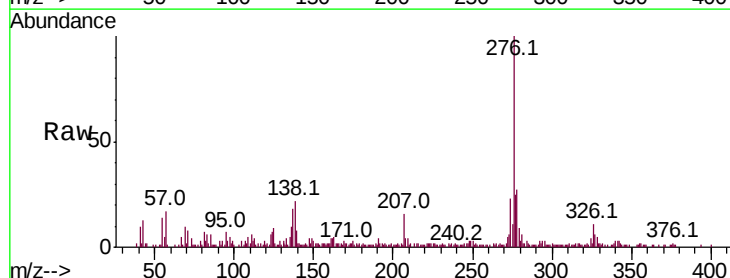
Manual Integrations
 APPROVED

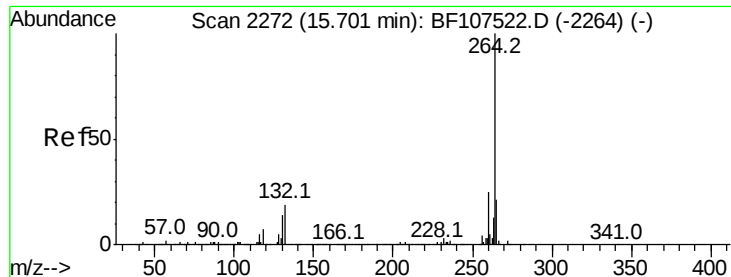
Sohil
 7/30/2018 2:03:06 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.129 ng
 RT: 17.25 min Scan# 2536
 Delta R.T. -0.03 min
 Lab File: BF107759.D
 Acq: 27 Jul 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	20.3	25.0	37.6#	
277	23.4	20.1	30.1	





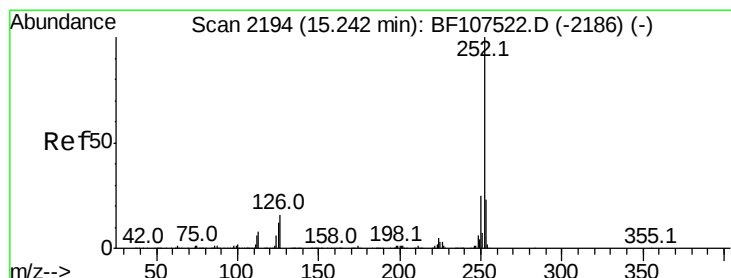
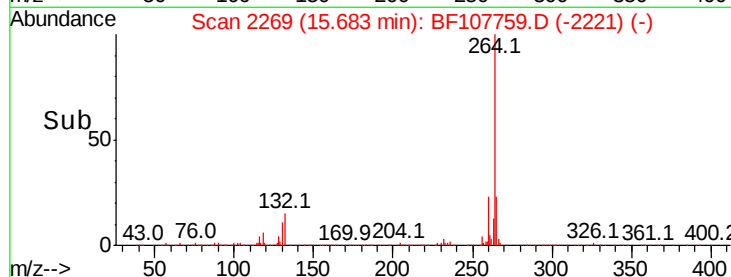
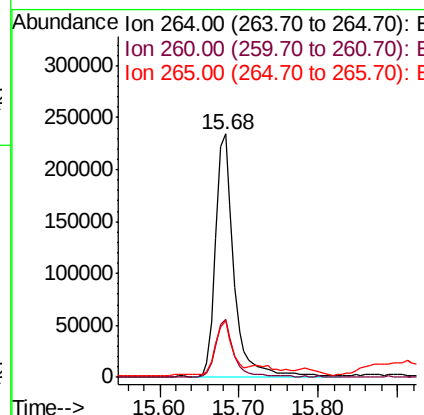
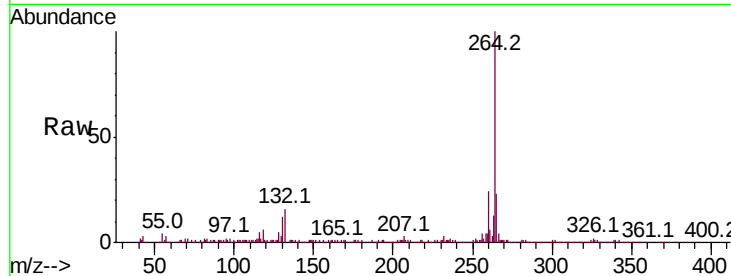
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion:	264	Resp:	376010
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	23.3	17.5	26.3

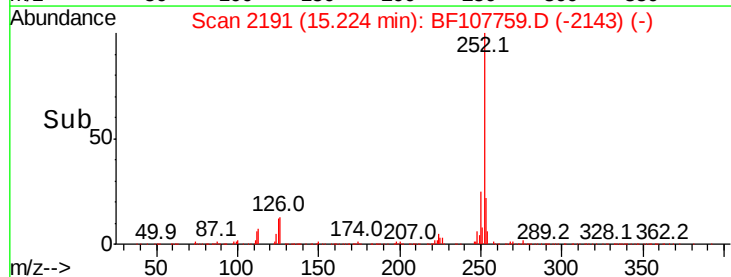
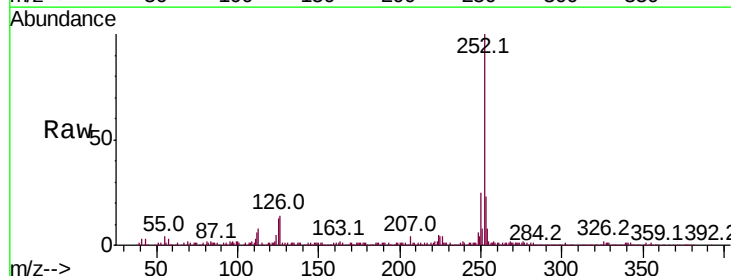
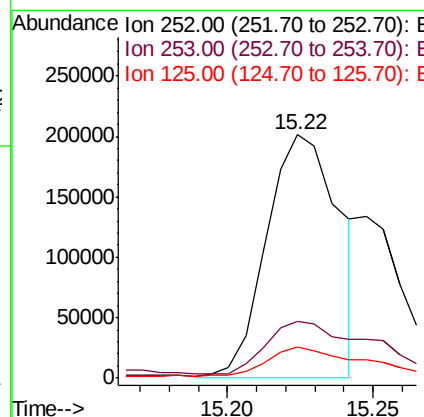
Manual Integrations
APPROVED

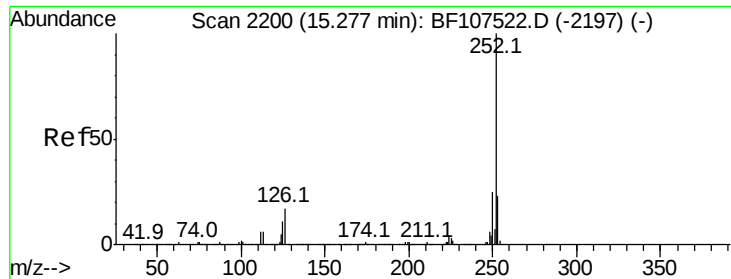
Sohil
7/30/2018 2:03:06 PM



#87
Benzo(b)fluoranthene
Concen: 17.035 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Tgt Ion:	252	Resp:	350557
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	12.6	9.0	13.6





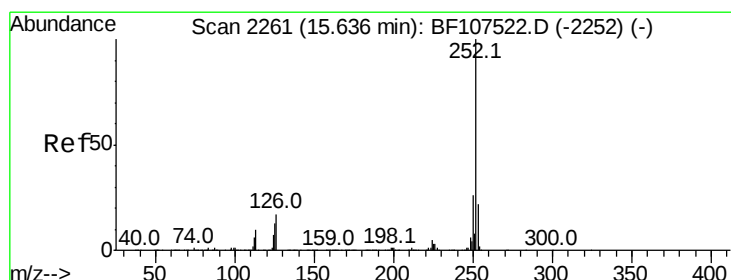
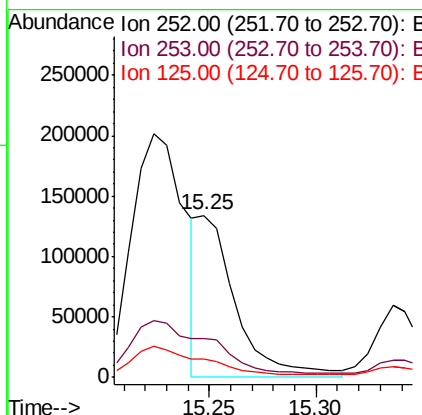
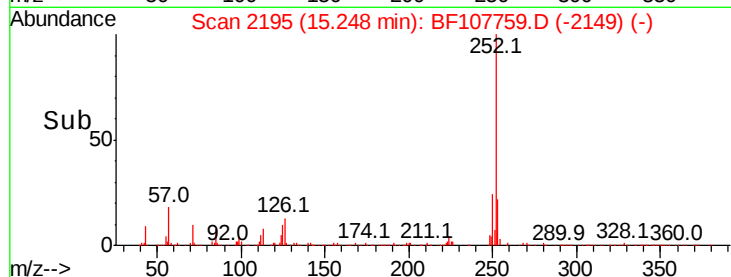
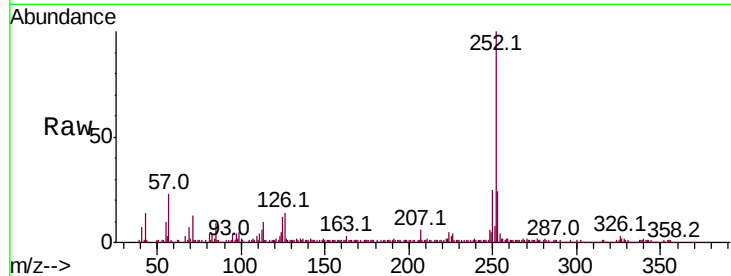
#88
Benzo(k)fluoranthene
Concen: 8.049 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion:	252	Resp:	162277
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	11.6	10.2	15.2

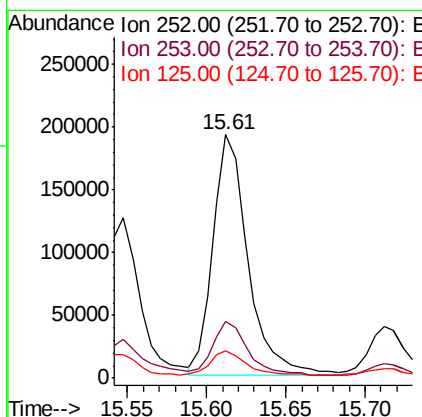
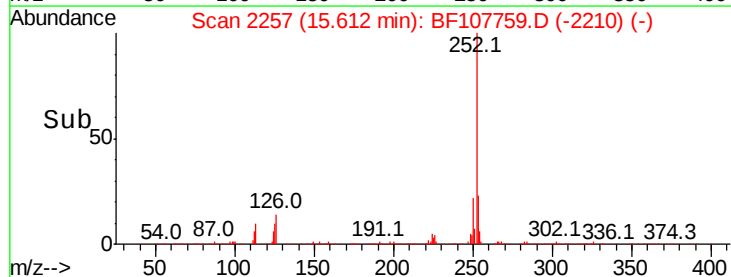
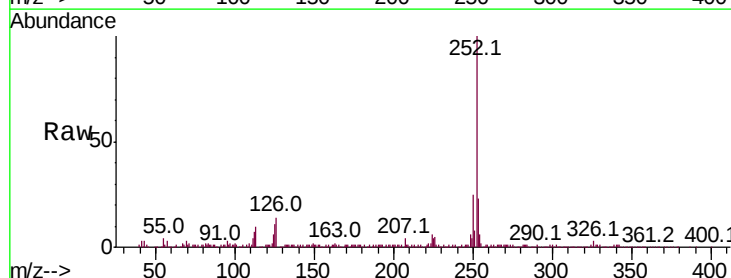
Manual Integrations
APPROVED

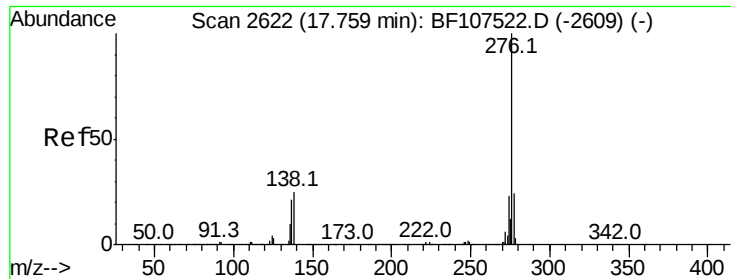
Sohil
7/30/2018 2:03:06 PM



#89
Benzo(a)pyrene
Concen: 15.861 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Tgt Ion:	252	Resp:	298572
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	11.3	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 7.020 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107759.D
Acq: 27 Jul 2018 21:16

Instrument :
BNA_F
ClientSampleId :
SB-7(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	25.1	21.8	32.8

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:06 PM

