

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
 Data File : BF101958.D
 Acq On : 9 Jan 2018 17:56
 Operator : SJ/JU
 Sample : J1043-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Manual Integrations
 APPROVED

Sohil
 1/10/2018 11:45:11 AM

Quant Time: Jan 10 01:00:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	254178	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	939410	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	339731	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	518930	20.00	ng	0.00
75) Chrysene-d12	13.88	240	443097	20.00	ng	0.00
86) Perylene-d12	15.31	264	299594	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1720780	95.60	ng	0.01
7) Phenol-d6	6.36	99	1971864	91.82	ng	0.01
23) Nitrobenzene-d5	7.29	82	1250849	78.25	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	272859	92.03	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1544776	71.04	ng	0.00
78) Terphenyl-d14	12.83	244	1077704	50.50	ng	0.00
Target Compounds						
10) Phenol	6.37	94	118765	4.893	ng	94
31) Naphthalene	8.03	128	98672	2.102	ng	99
48) Acenaphthylene	9.62	152	146482	3.964	ng	98
49) Dimethylphthalate	9.48	163	176379	6.472	ng	99
70) Phenanthrene	11.27	178	155383	5.126	ng	98
71) Anthracene	11.32	178	72105	2.345	ng	99
74) Fluoranthene	12.45	202	303247	10.168	ng	98
77) Pyrene	12.68	202	315966	8.067	ng	98
80) Benzo(a)anthracene	13.87	228	157029	5.554	ng	# 70
82) Chrysene	13.90	228	148725	5.045	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.70	276	105960	4.939	ng	99
87) Benzo(b)fluoranthene	14.90	252	198419m	10.157	ng	
88) Benzo(k)fluoranthene	14.92	252	70795m	3.757	ng	
89) Benzo(a)pyrene	15.25	252	140179	7.975	ng	# 83
91) Benzo(a,h,i)perylene	17.12	276	125788	8.902	ng	# 88

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

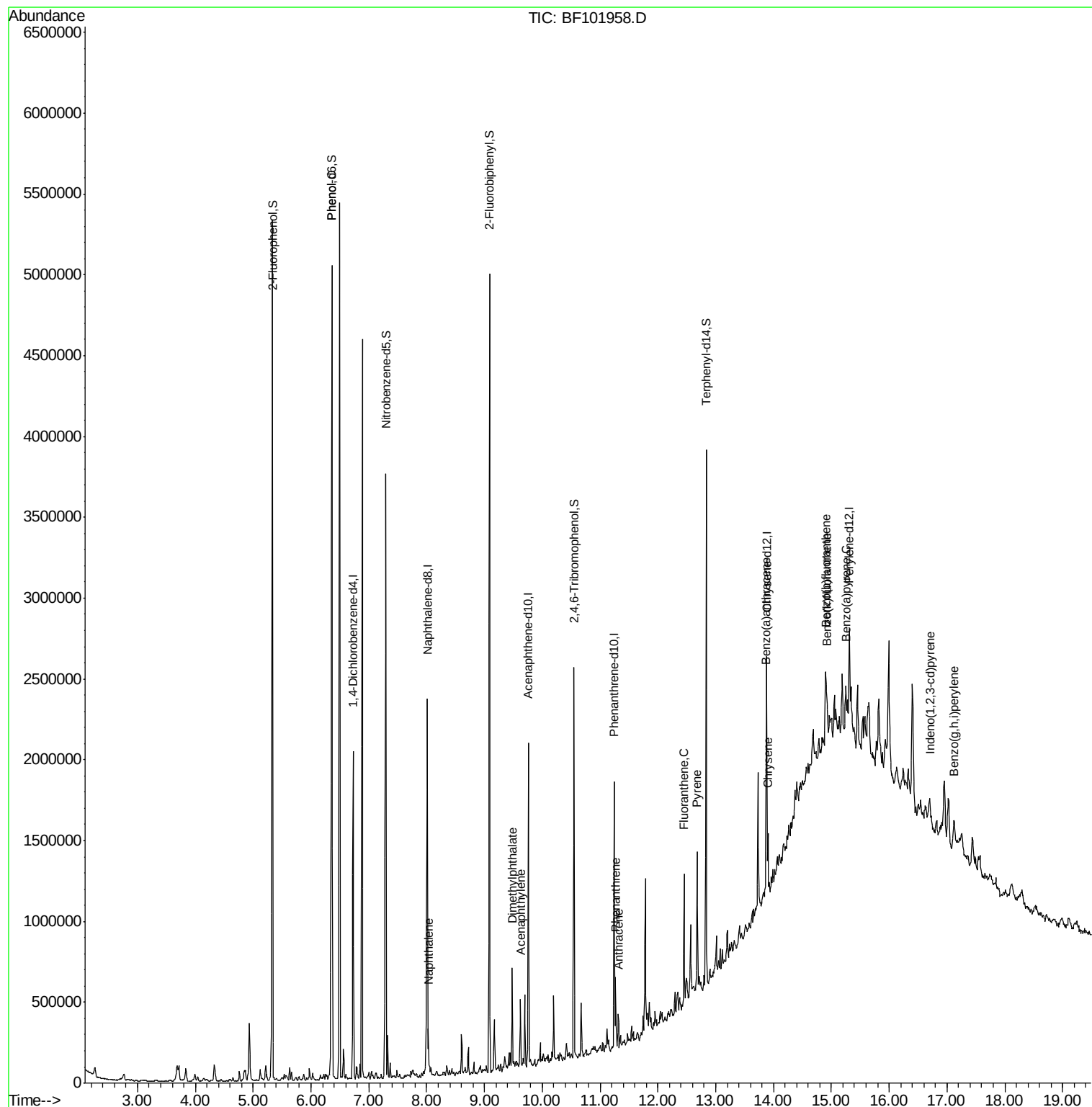
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101958.D
Acq On : 9 Jan 2018 17:56
Operator : SJ/JU
Sample : J1043-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

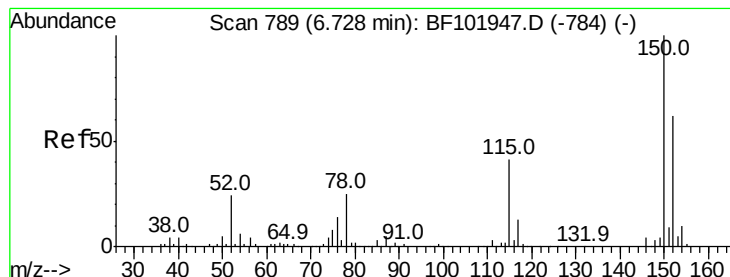
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM

Quant Time: Jan 10 01:00:59 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration





#1

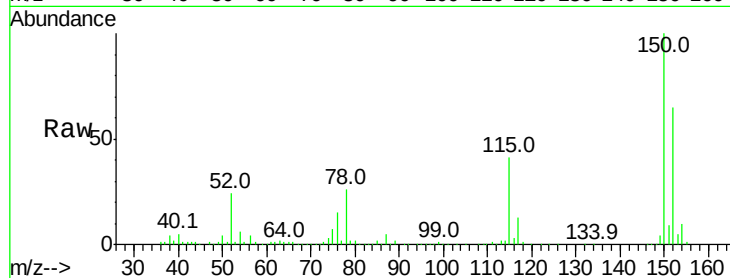
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	63.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM

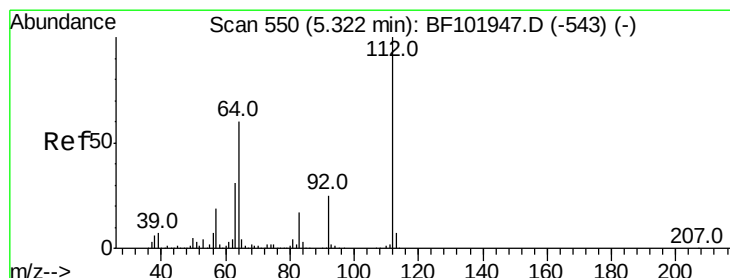
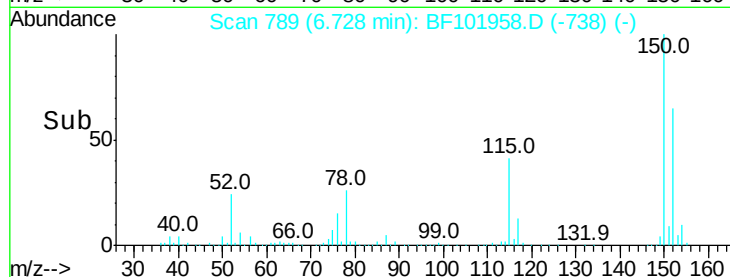
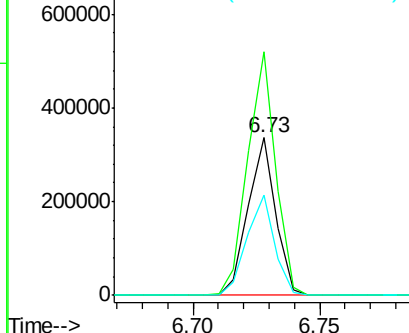


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

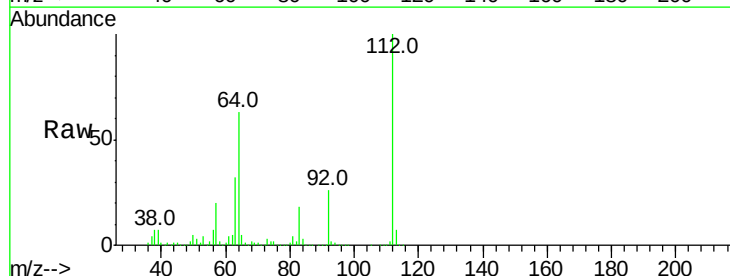
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.598 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.9	71.9
63	32.1	23.7	35.5

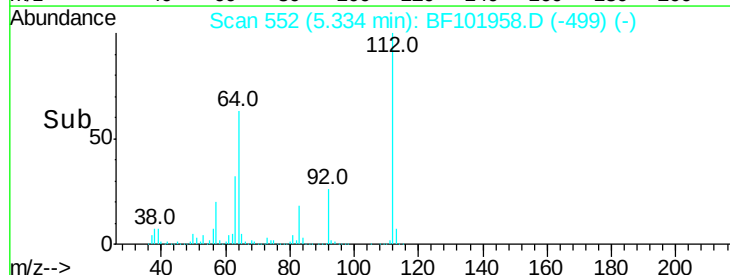
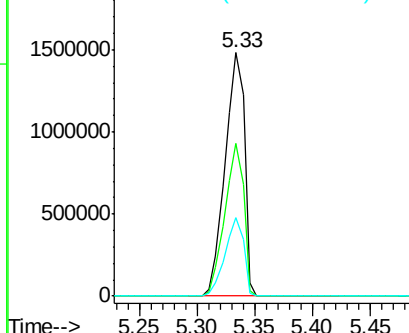


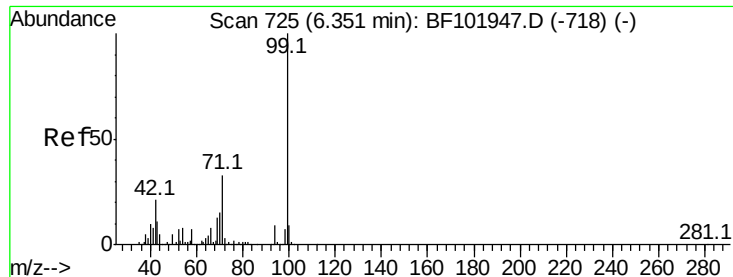
Abundance

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: 91.817 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

Tot Ion: 99 Resp: 1971864

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

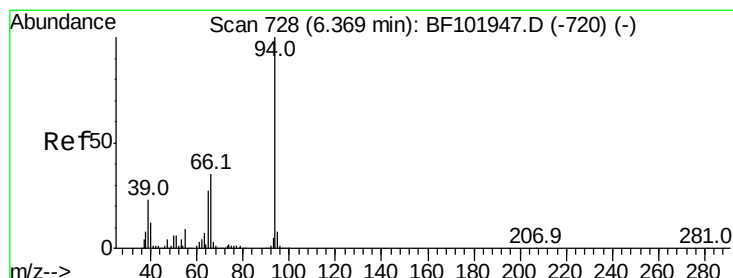
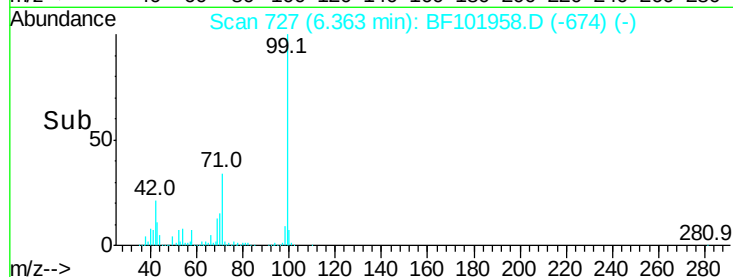
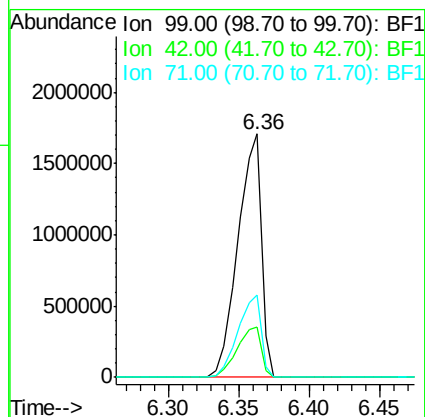
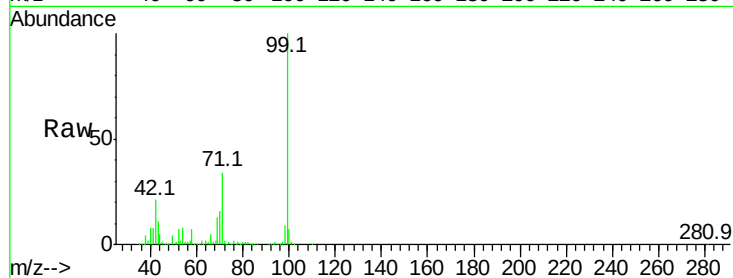
71 33.6 25.4 38.0

Manual Integrations

APPROVED

Sohil

1/10/2018 11:45:11 AM



#10

Phenol

Concen: 4.893 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

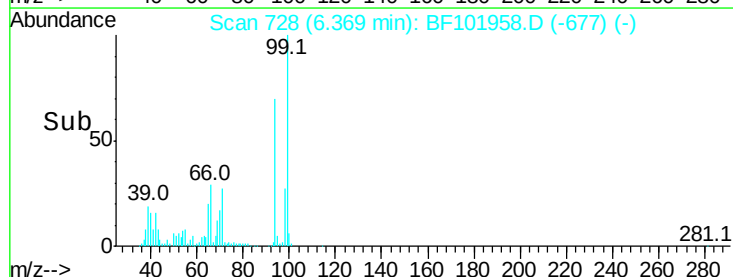
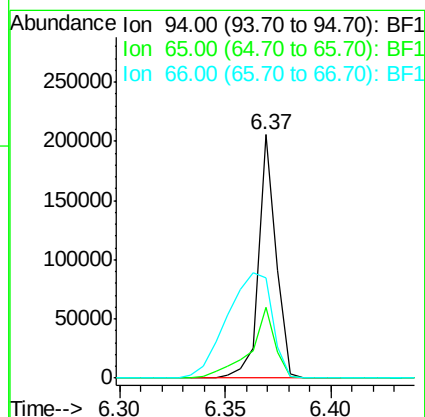
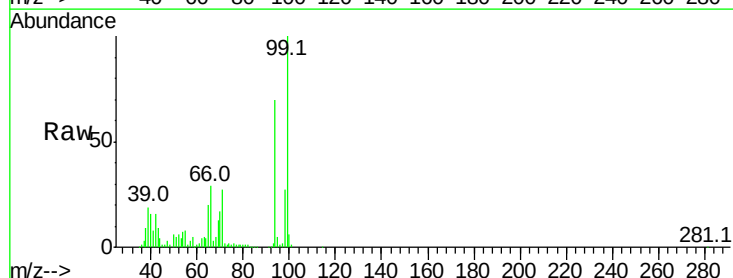
Tgt Ion: 94 Resp: 118765

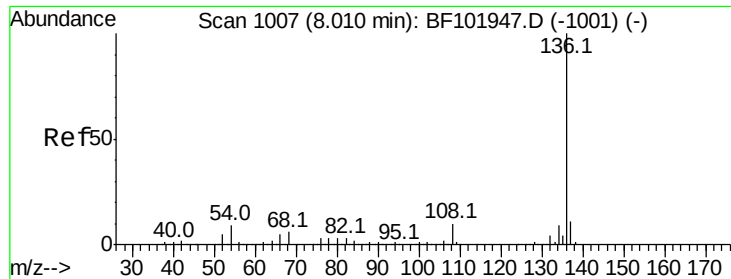
Ion Ratio Lower Upper

94 100

65 29.3 7.9 47.9

66 41.1 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

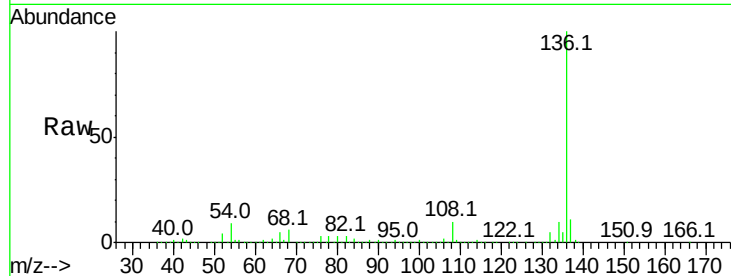
ClientSampleId :

SB-09-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.9	6.6	9.8	
68	6.3	5.0	7.4	

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM

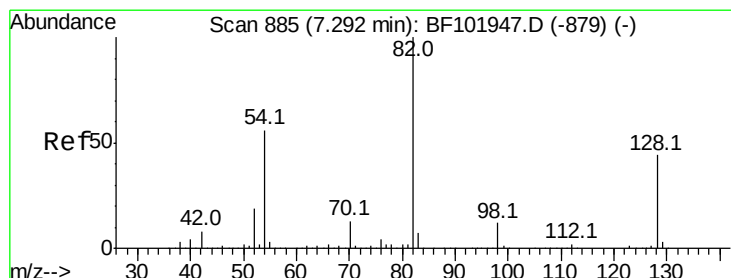
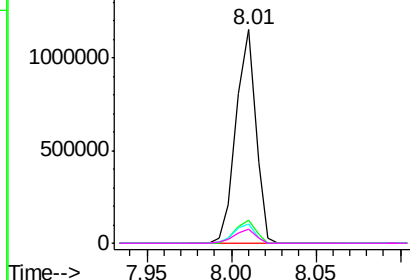
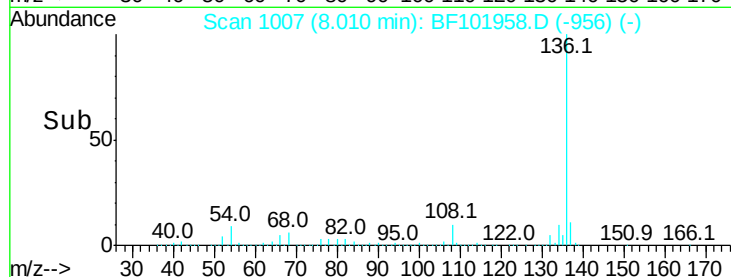


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 78.246 ng

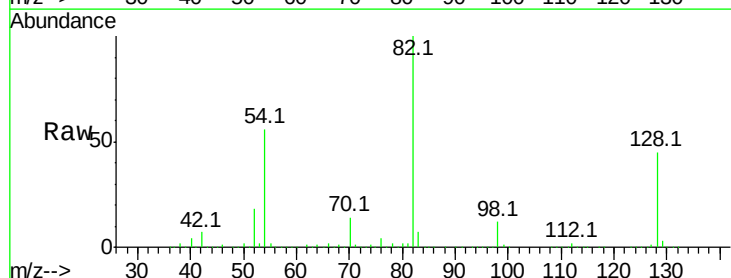
RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

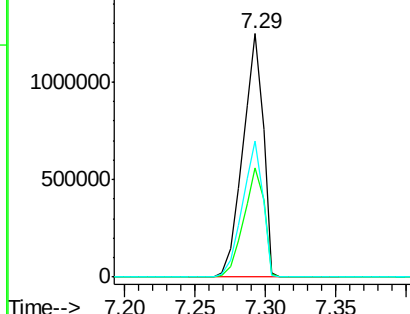
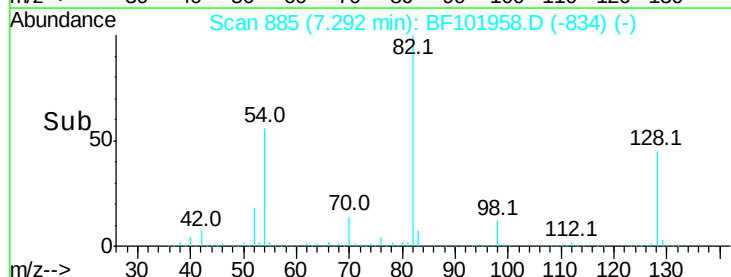
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	55.9	41.4	62.2	

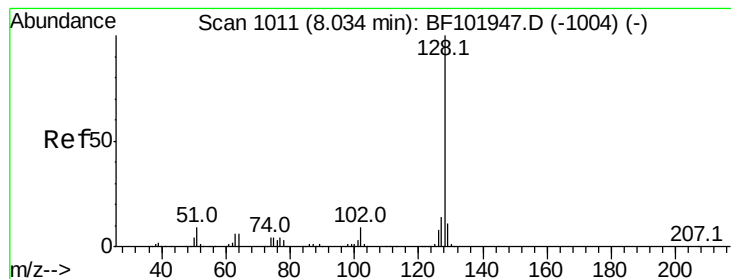


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 2.102 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

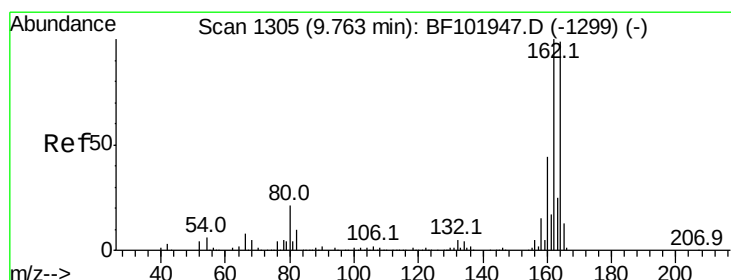
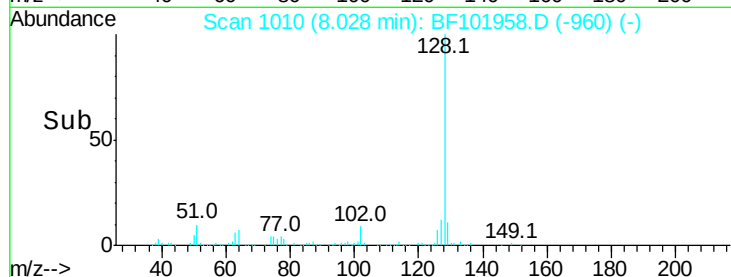
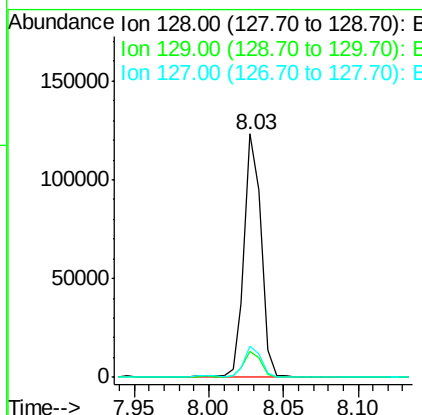
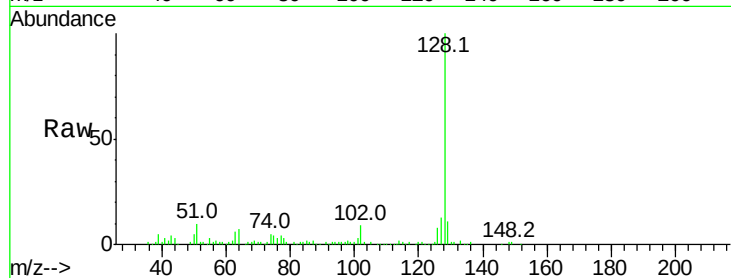
ClientSampleId :

SB-09-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.9	16.3

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM



#38

Acenaphthene-d10

Concen: 20.000 ng

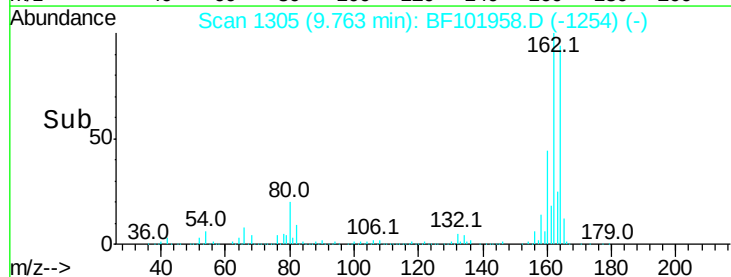
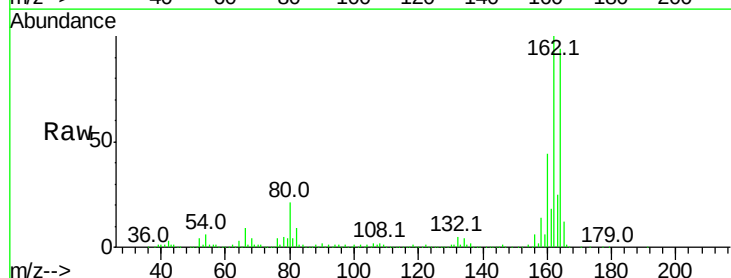
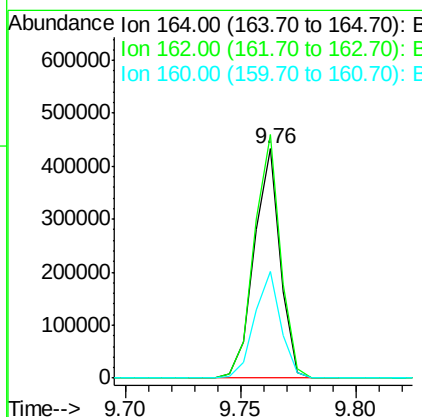
RT: 9.76 min Scan# 1305

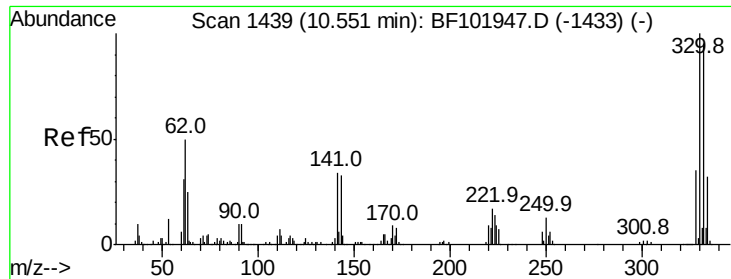
Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	46.8	38.3	57.5





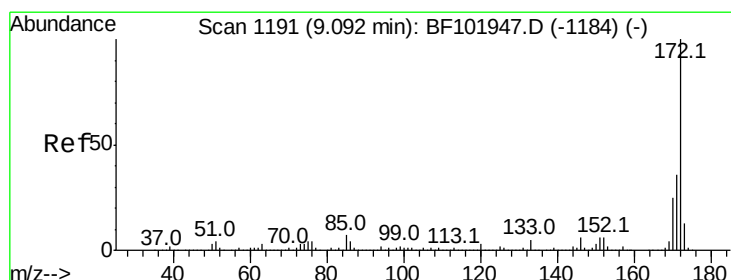
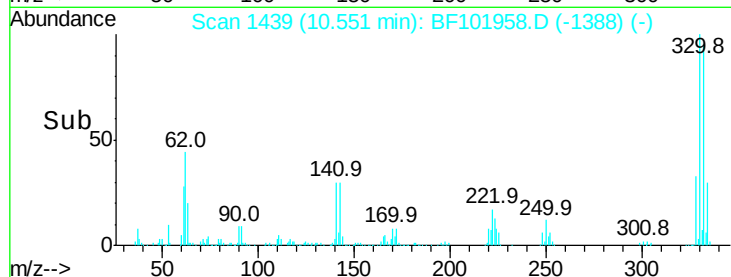
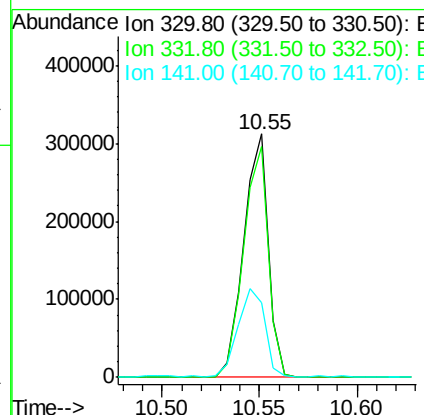
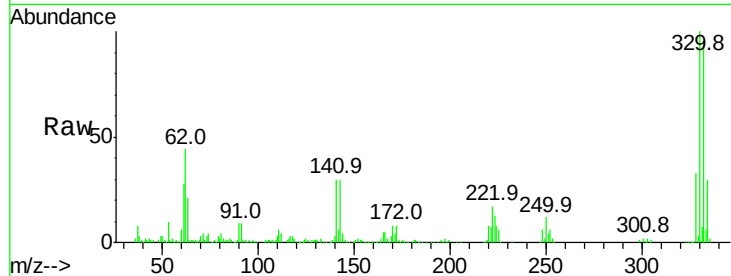
#41
 2,4,6-Tribromophenol
 Concen: 92.033 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF101958.D
 Acq: 9 Jan 2018 17:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	272859		
332	96.0	77.0	115.6	
141	39.3	29.9	44.9	

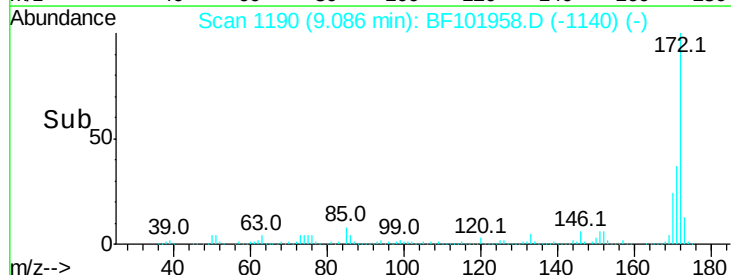
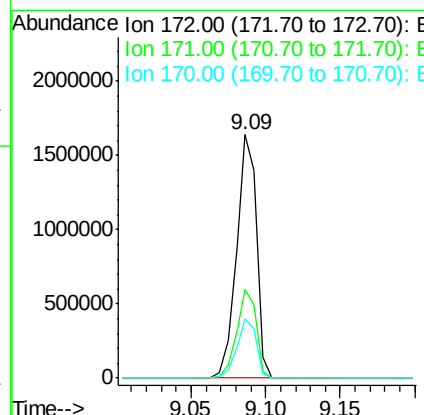
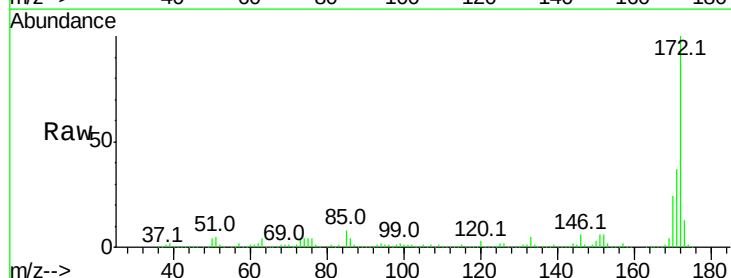
Manual Integrations
 APPROVED

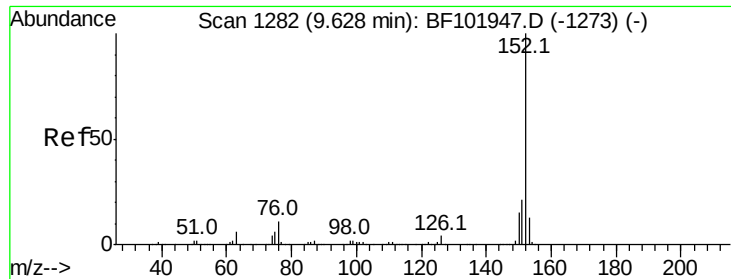
Sohil
 1/10/2018 11:45:11 AM



#44
 2-Fluorobiphenyl
 Concen: 71.037 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF101958.D
 Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1544776		
171	36.5	29.7	44.5	
170	24.2	19.6	29.4	





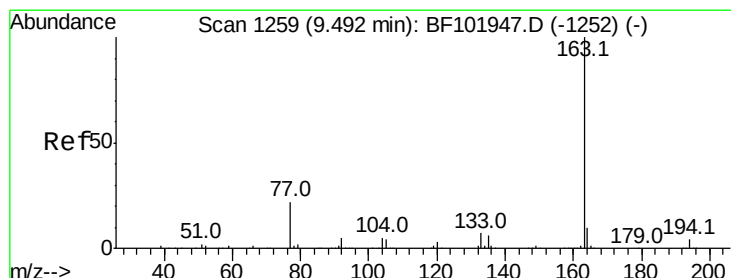
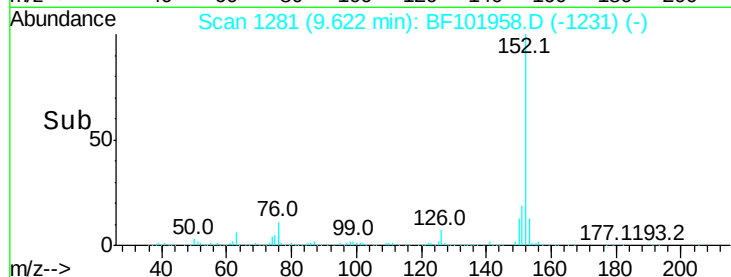
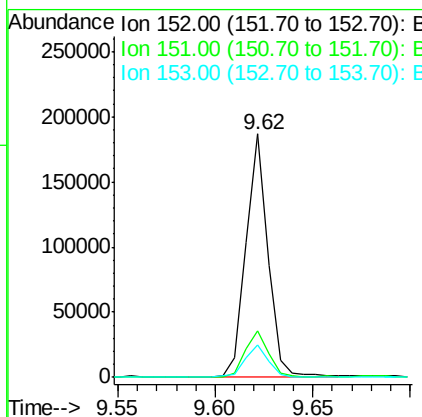
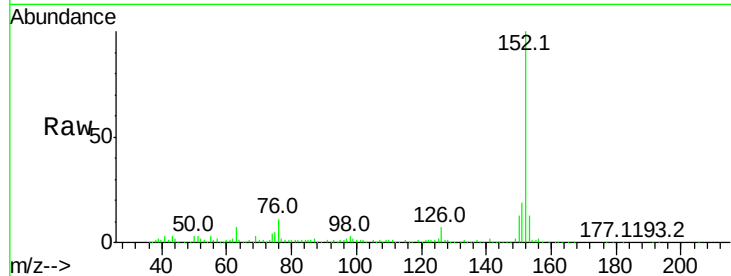
#48
Acenaphthylene
Concen: 3.964 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	146482		
151	19.1		16.3	24.5
153	13.1		10.7	16.1

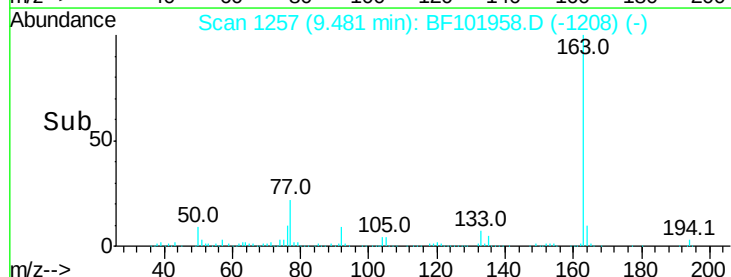
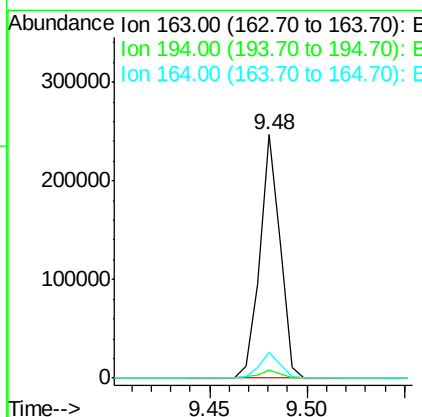
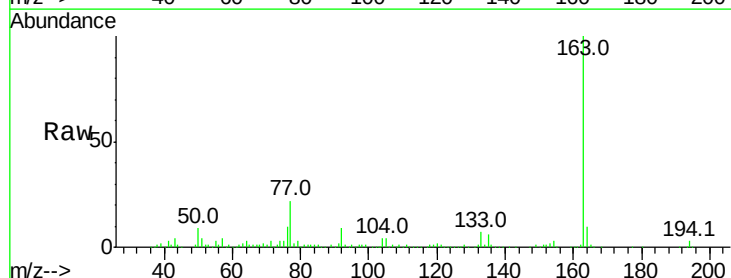
Manual Integrations
APPROVED

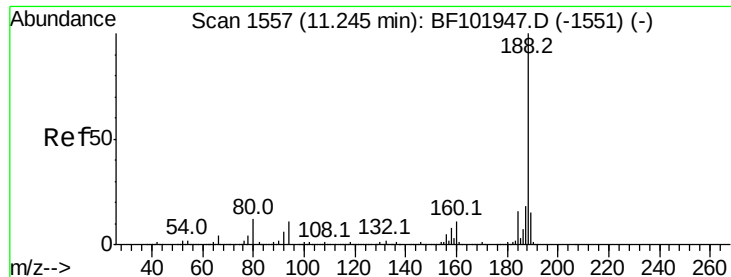
Sohil
1/10/2018 11:45:11 AM



#49
Dimethylphthalate
Concen: 6.472 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	176379		
194	3.3		2.7	4.1
164	10.5		8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

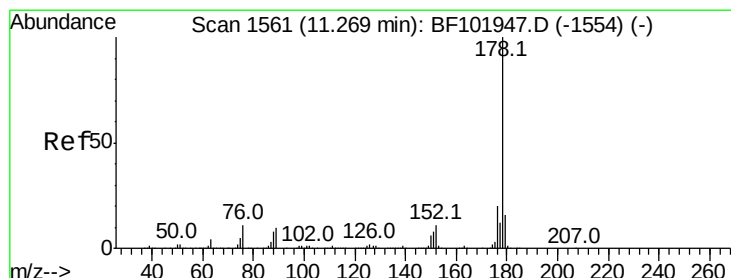
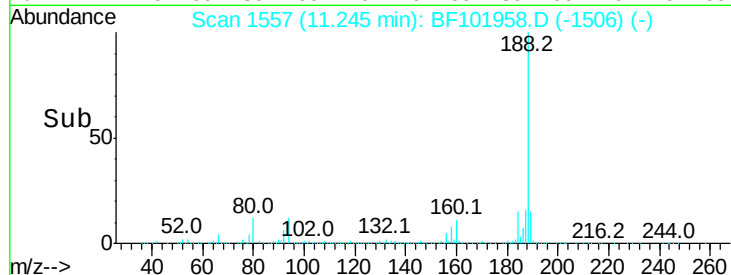
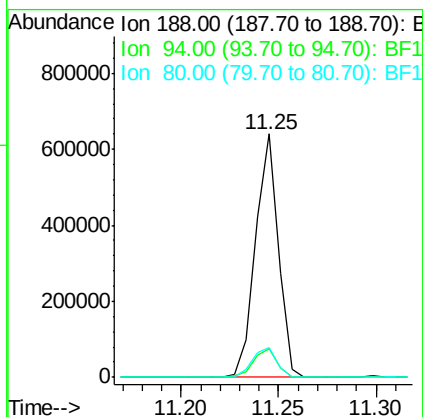
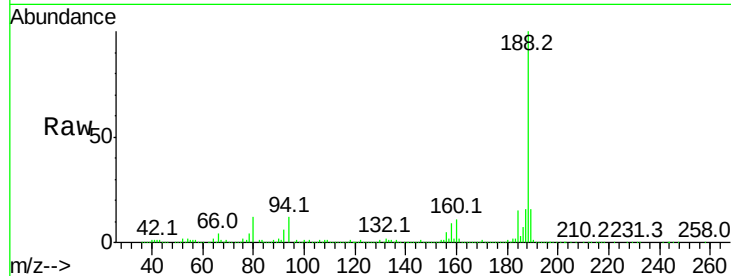
ClientSampleId :

SB-09-COMP

Tot Ion:	188	Resp:	518930
Ion Ratio	Lower	Upper	
188	100		
94	11.8	8.5	12.7
80	12.3	9.2	13.8

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM



#70

Phenanthrene

Concen: 5.126 ng

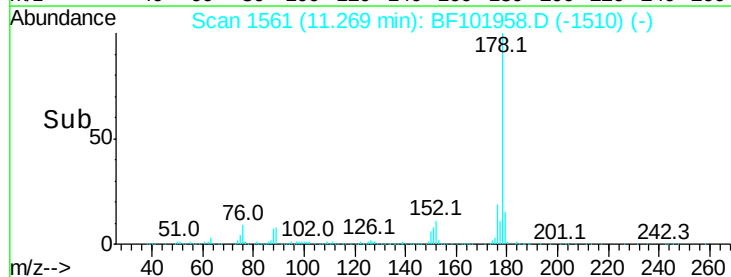
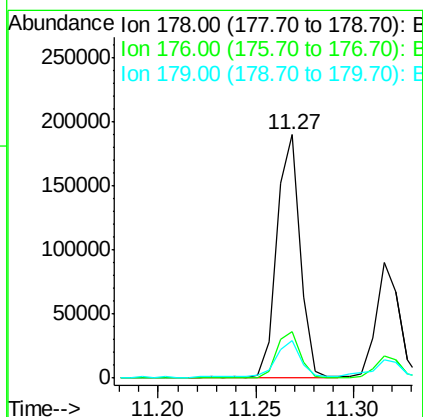
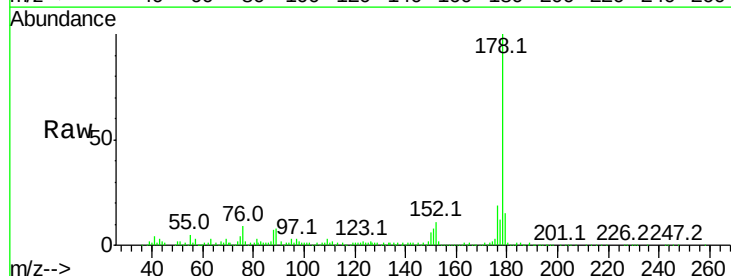
RT: 11.27 min Scan# 1561

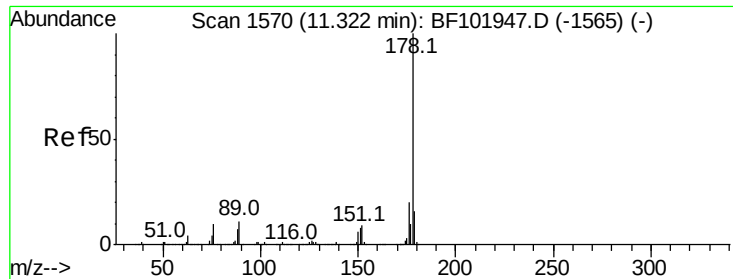
Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Tgt Ion:	178	Resp:	155383
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6





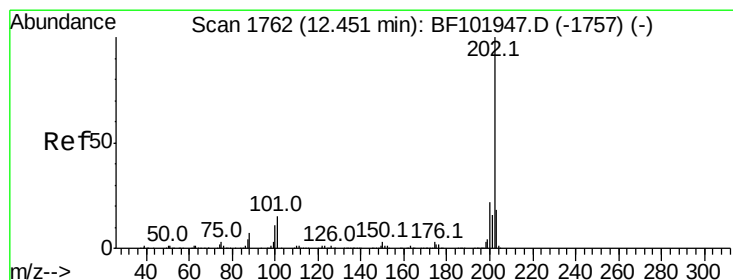
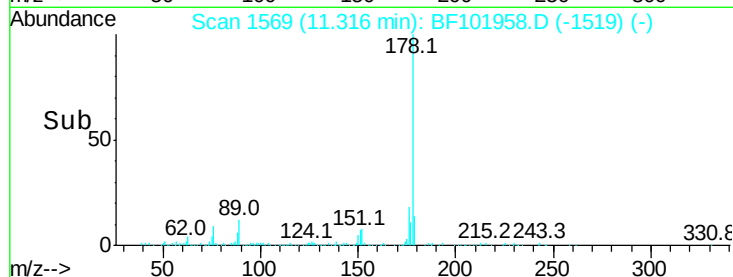
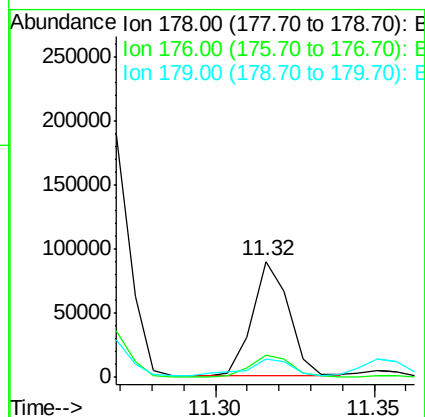
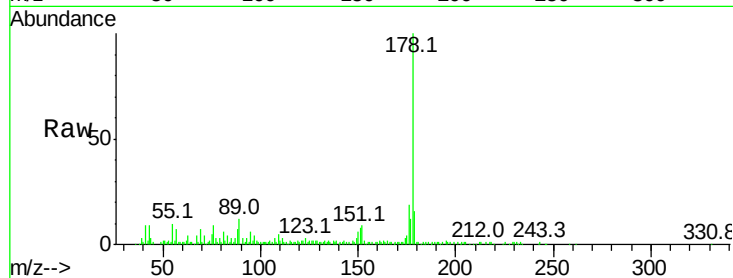
#71
 Anthracene
 Concen: 2.345 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101958.D
 Acq: 9 Jan 2018 17:56

Instrument :
 BNA_F
 ClientSampled :
 SB-09-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0

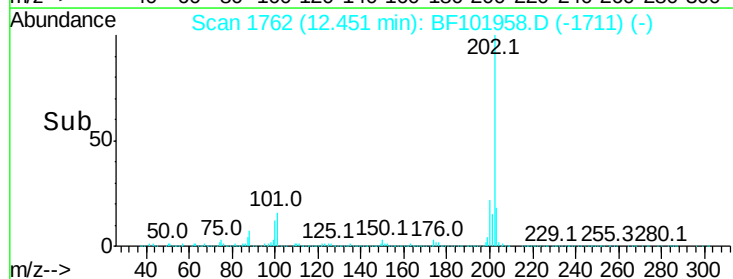
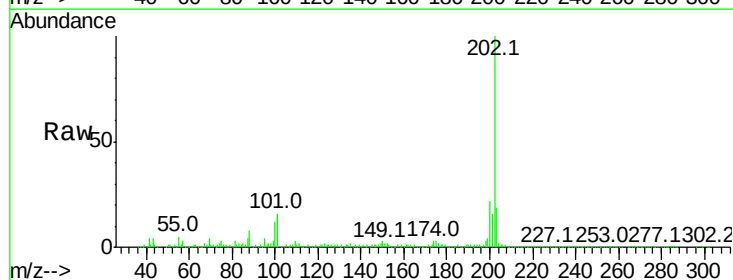
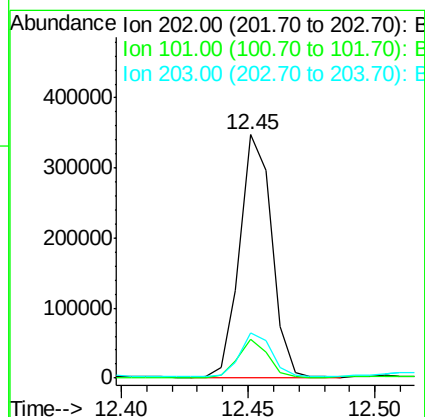
Manual Integrations
 APPROVED

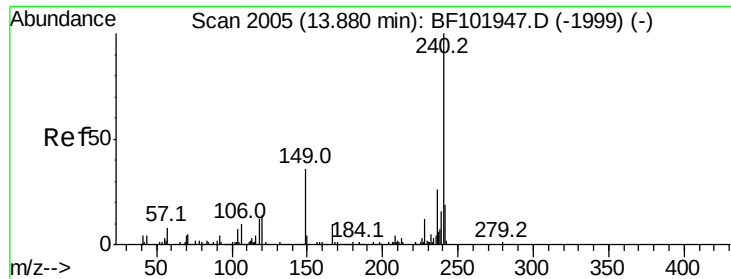
Sohil
 1/10/2018 11:45:11 AM



#74
 Fluoranthene
 Concen: 10.168 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF101958.D
 Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.1
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

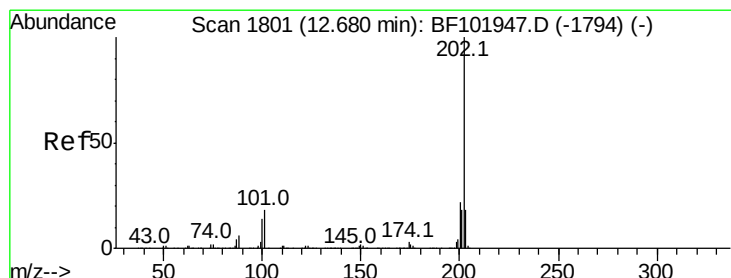
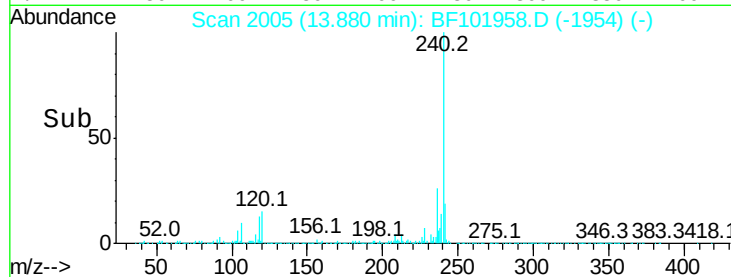
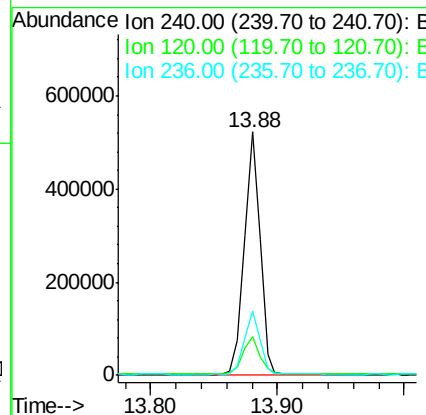
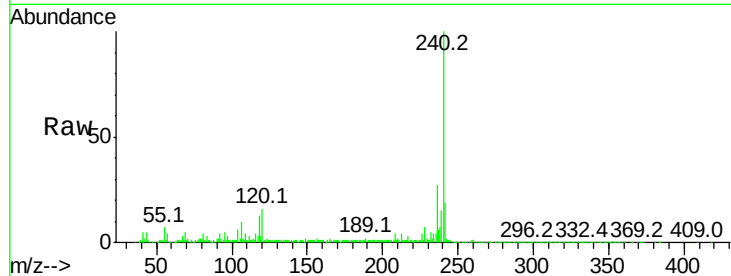
ClientSampleId :

SB-09-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3
236	26.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM



#77

Pyrene

Concen: 8.067 ng

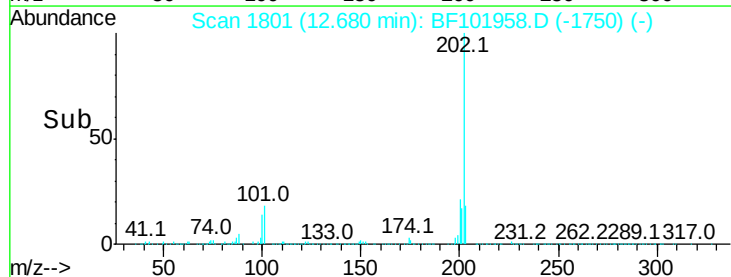
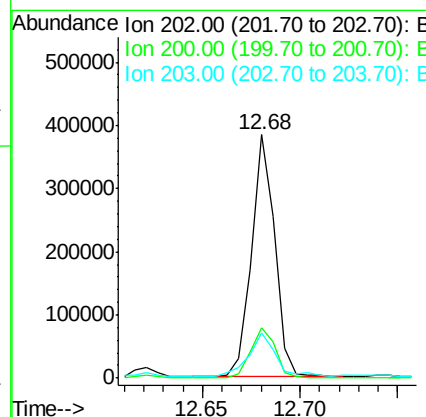
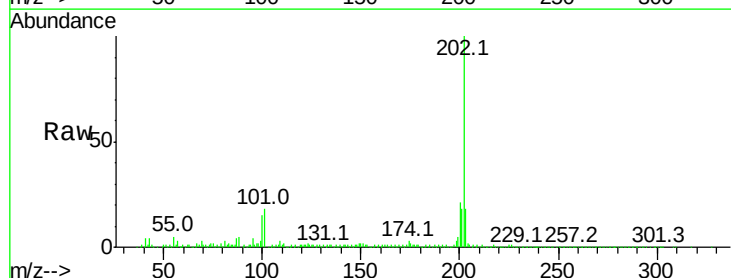
RT: 12.68 min Scan# 1801

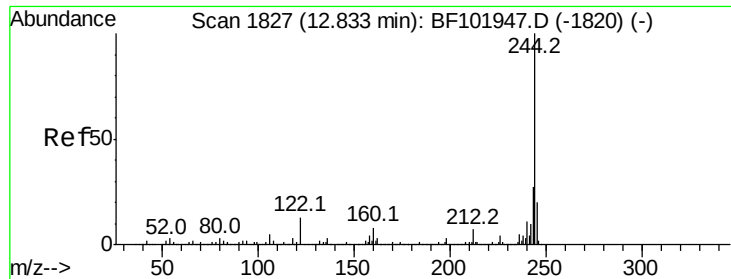
Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.5	14.3	21.5





#78

Terphenyl-d14

Concen: 50.499 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

Tot Ion:244 Resp: 1077704

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

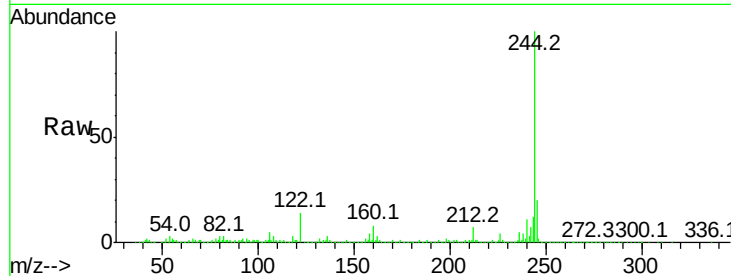
122 14.4 11.0 16.4

Manual Integrations

APPROVED

Sohil

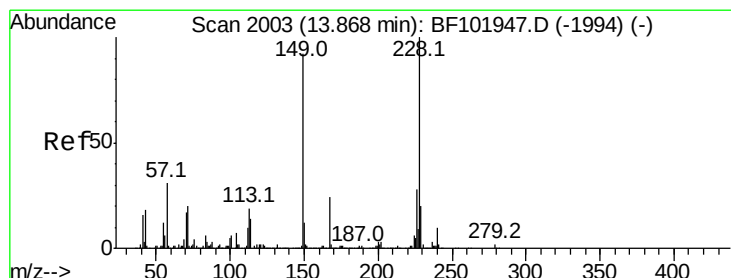
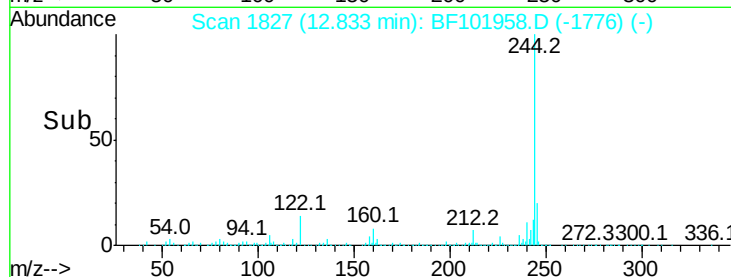
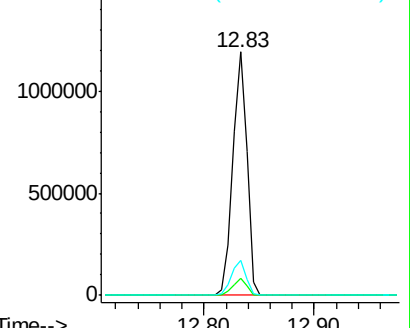
1/10/2018 11:45:11 AM



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: 5.554 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

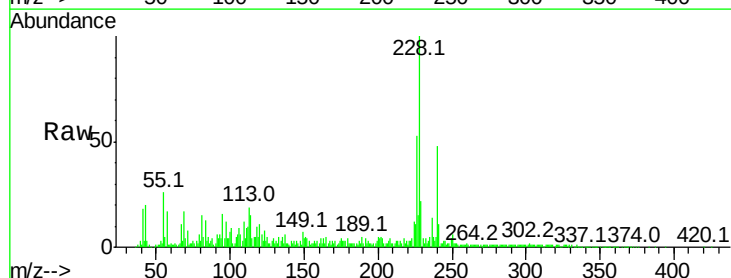
Tgt Ion:228 Resp: 157029

Ion Ratio Lower Upper

228 100

226 52.6 22.6 33.8#

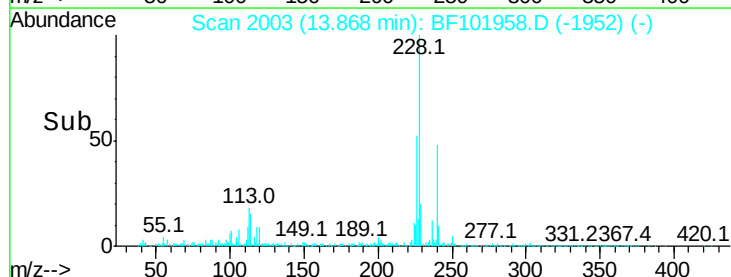
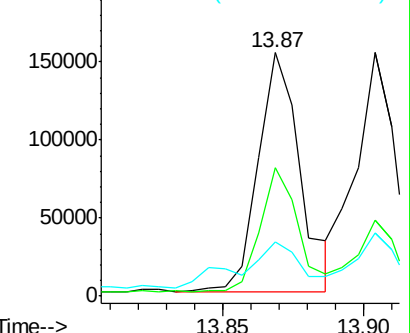
229 22.5 15.8 23.6

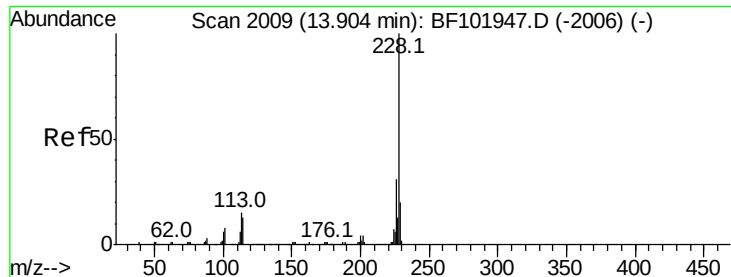


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.045 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

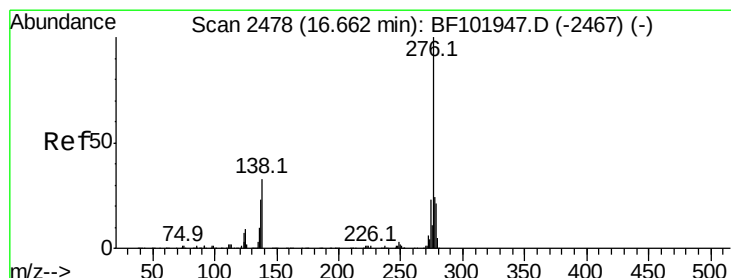
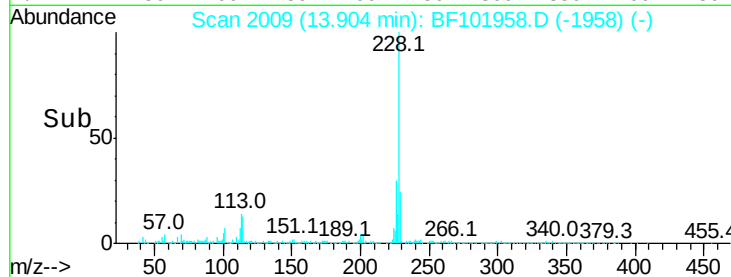
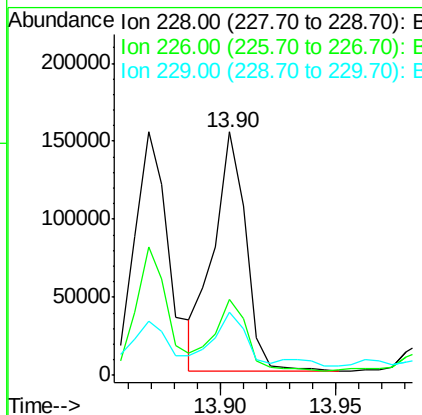
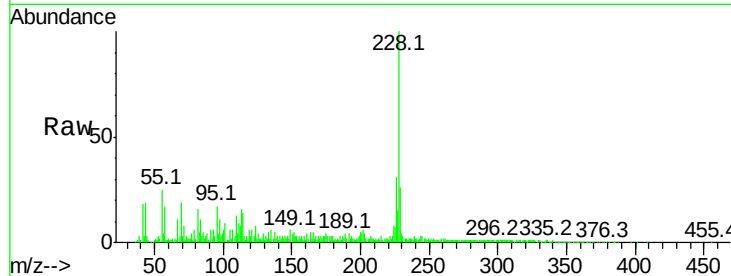
ClientSampleId :

SB-09-COMP

Tot Ion:	228	Resp:	148725
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	26.1	16.2	24.4

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.939 ng

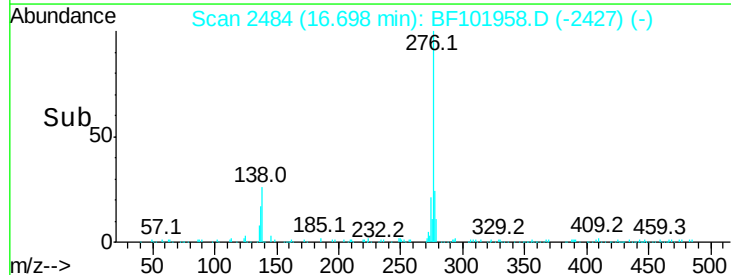
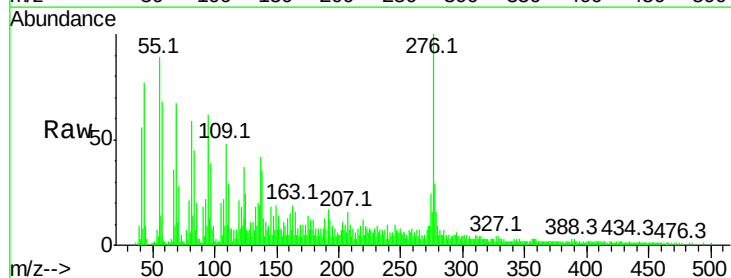
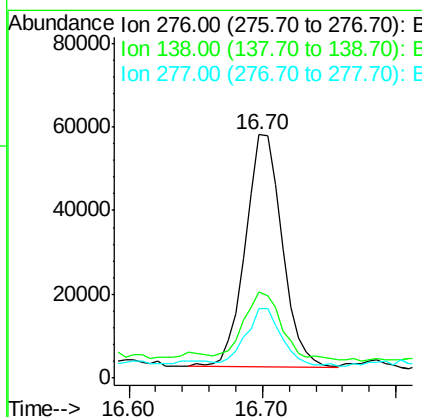
RT: 16.70 min Scan# 2484

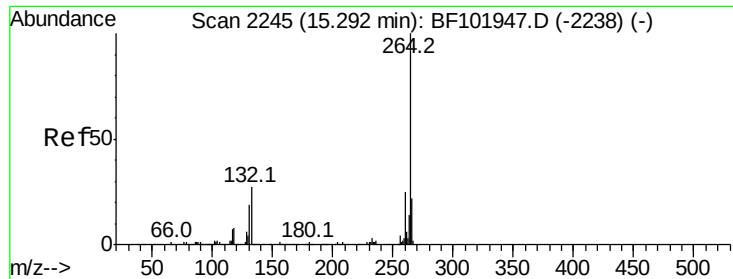
Delta R.T. 0.04 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Tgt Ion:	276	Resp:	105960
Ion Ratio	Lower	Upper	
276	100		
138	30.8	25.0	37.6
277	24.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.02 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Instrument :

BNA_F

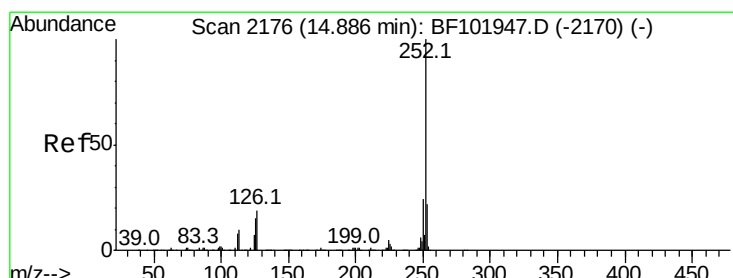
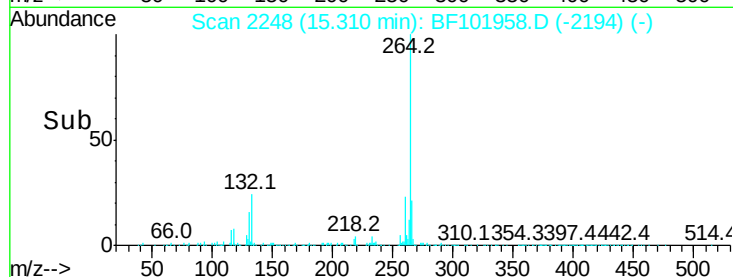
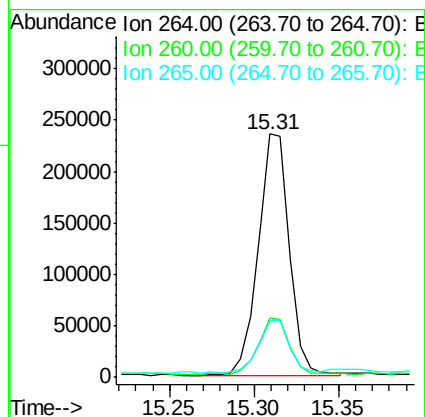
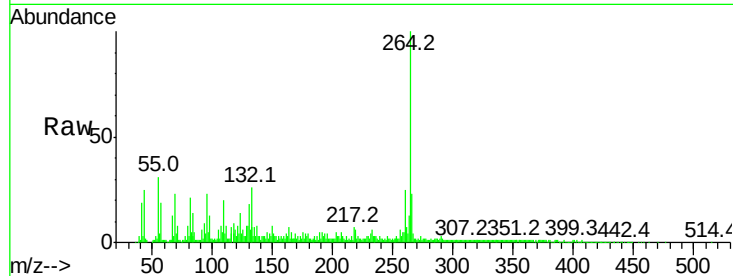
ClientSampleId :

SB-09-COMP

Tot Ion:	264	Resp:	299594
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	23.2	17.5	26.3

Manual Integrations
APPROVED

Sohil
1/10/2018 11:45:11 AM



#87

Benzo(b)fluoranthene

Concen: 10.157 ng m

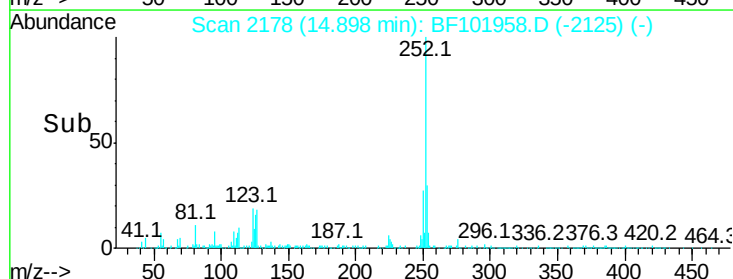
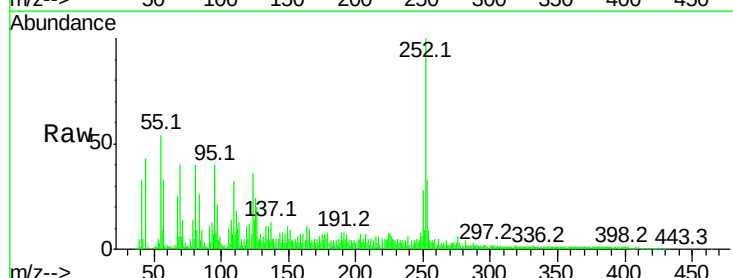
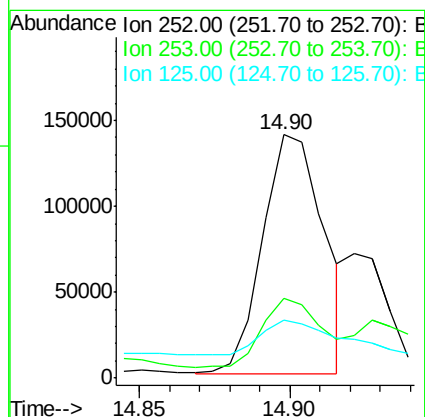
RT: 14.90 min Scan# 2178

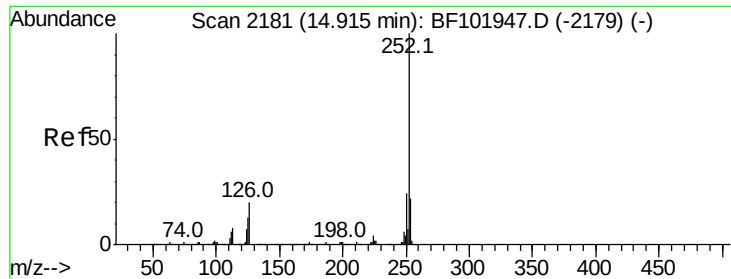
Delta R.T. 0.01 min

Lab File: BF101958.D

Acq: 9 Jan 2018 17:56

Tgt Ion:	252	Resp:	198419
Ion Ratio	Lower	Upper	
252	100		
253	32.9	17.0	25.6#
125	24.0	9.0	13.6#





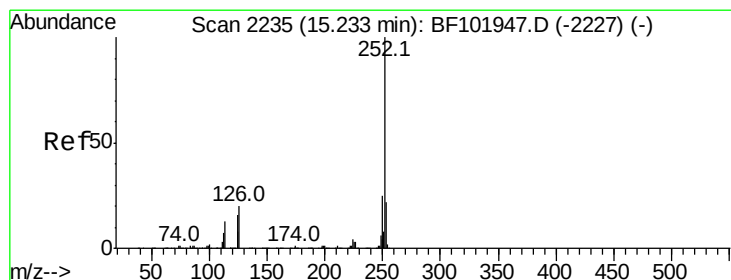
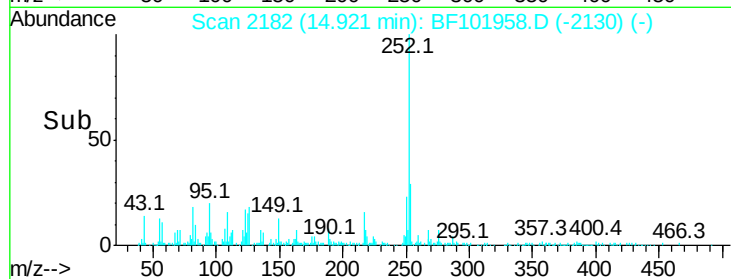
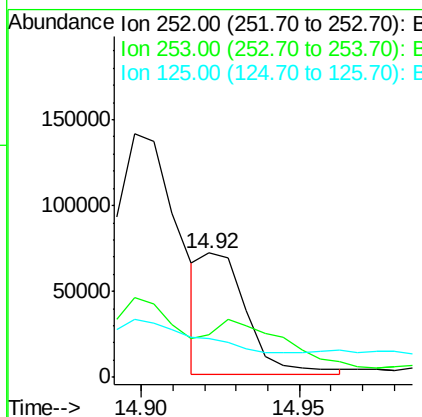
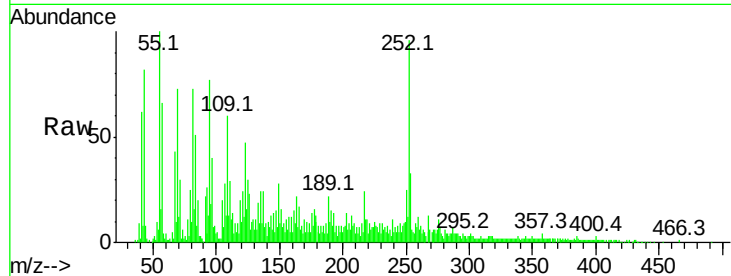
#88
Benzo(k)fluoranthene
Concen: 3.757 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.7	17.9	26.9#
125	31.3	10.2	15.2#

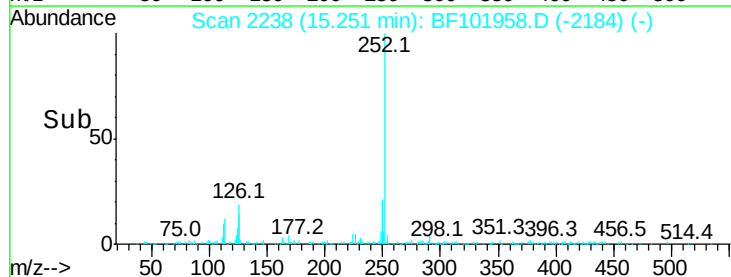
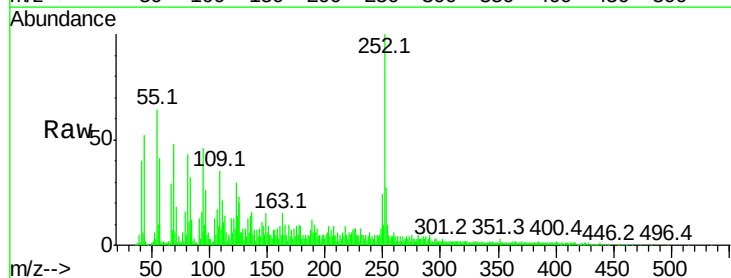
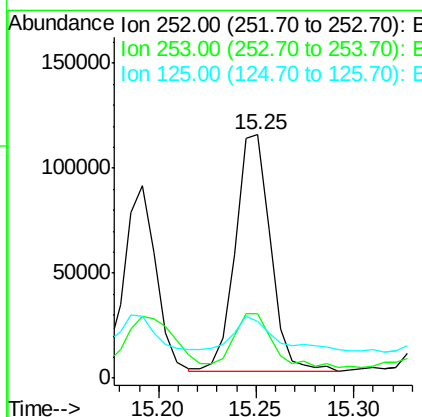
Manual Integrations
APPROVED

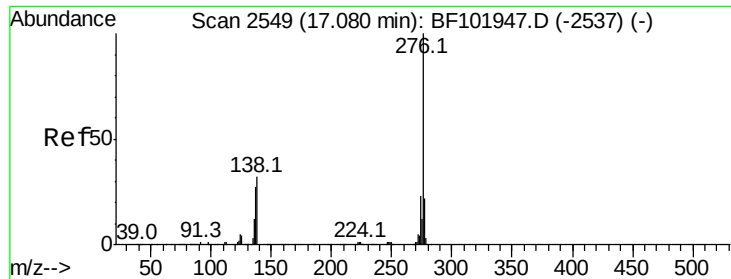
Sohil
1/10/2018 11:45:11 AM



#89
Benzo(a)pyrene
Concen: 7.975 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF101958.D
Acq: 9 Jan 2018 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.1	25.7#
125	23.4	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 8.902 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.04 min
 Lab File: BF101958.D
 Acq: 9 Jan 2018 17:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	34.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/10/2018 11:45:11 AM

