

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103231.D
 Acq On : 26 Feb 2018 21:31
 Operator : SJ/JU
 Sample : J1691-45 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B12

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:07 PM

Quant Time: Feb 27 01:03:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161446	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	648252	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	254805	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	373393	20.00	ng	0.00
75) Chrysene-d12	14.06	240	230186	20.00	ng	0.01
86) Perylene-d12	15.57	264	177277	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	456166	42.73	ng	0.00
7) Phenol-d6	6.50	99	545888	41.79	ng	0.00
23) Nitrobenzene-d5	7.43	82	311003	27.40	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	82149	38.09	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	515032	28.91	ng	0.00
78) Terphenyl-d14	12.99	244	351081	36.66	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	168283	6.475	ng	98
57) Fluorene	10.46	166	64360	3.632	ng	99
70) Phenanthrene	11.43	178	666461	32.433	ng	99
71) Anthracene	11.48	178	183478	8.707	ng	99
74) Fluoranthene	12.63	202	1094184	52.989	ng	99
77) Pyrene	12.86	202	1045794	58.272	ng	100
80) Benzo(a)anthracene	14.05	228	514335	34.437	ng	95
82) Chrysene	14.09	228	469591	32.382	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	208776	18.185	ng	96
87) Benzo(b)fluoranthene	15.13	252	506288m	43.437	ng	
88) Benzo(k)fluoranthene	15.15	252	159702m	14.550	ng	
89) Benzo(a)pyrene	15.50	252	335431	32.226	ng	# 93
90) Dibenzo(a,h)anthracene	17.10	278	53570	6.661	ng	# 76
91) Benzo(g,h,i)perylene	17.56	276	207191	26.358	ng	98

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

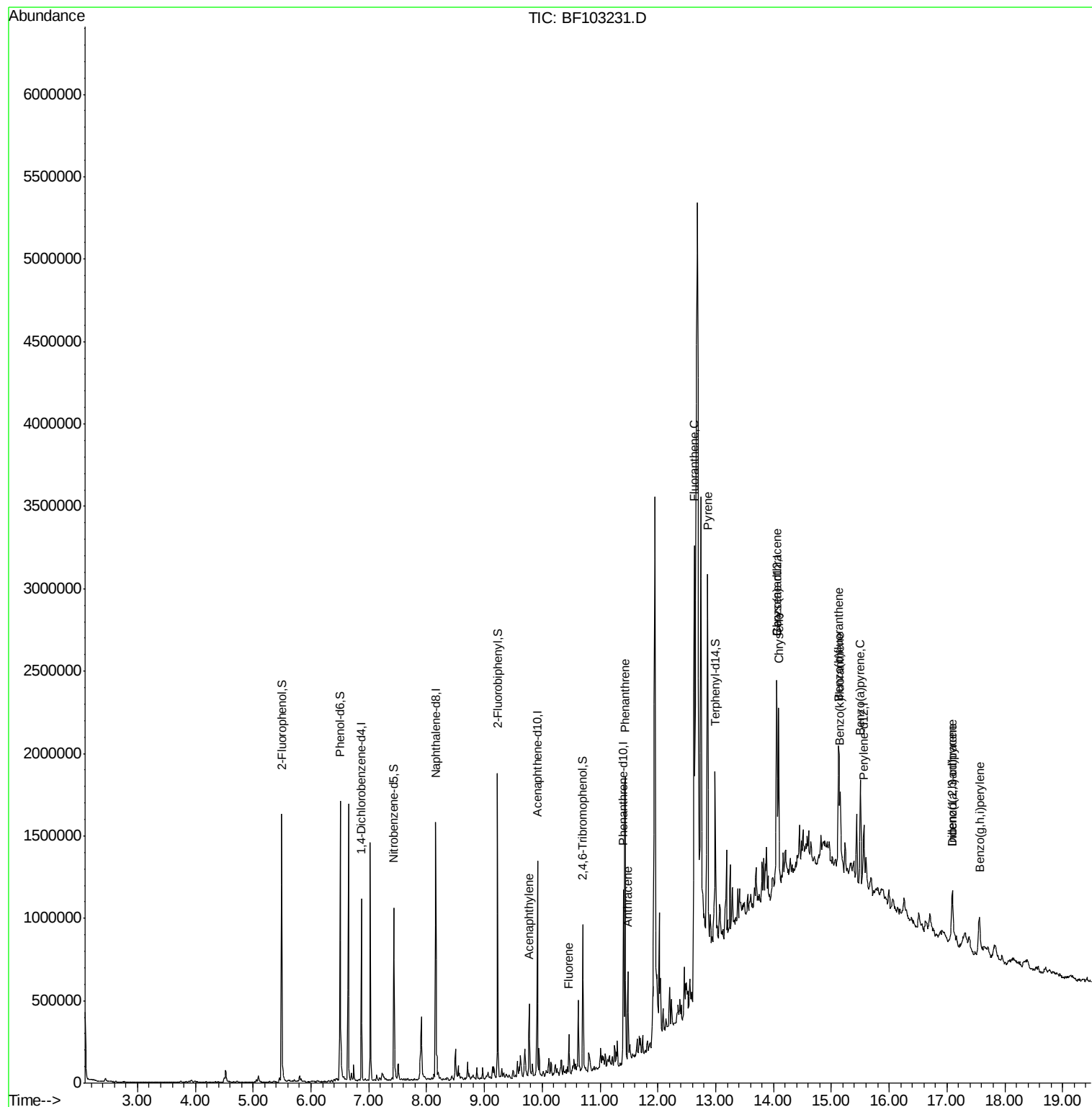
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103231.D
Acq On : 26 Feb 2018 21:31
Operator : SJ/JU
Sample : J1691-45 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

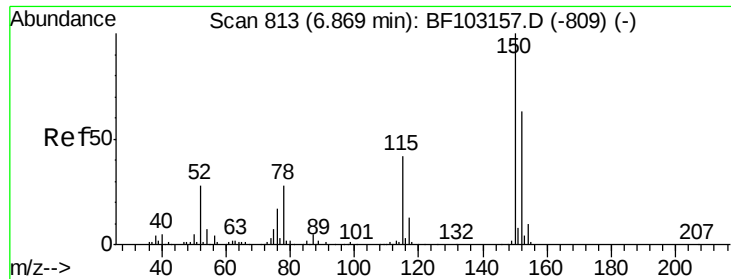
Instrument :
BNA_F
ClientSampleId :
B12

Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:07 PM

Quant Time: Feb 27 01:03:16 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration





#1

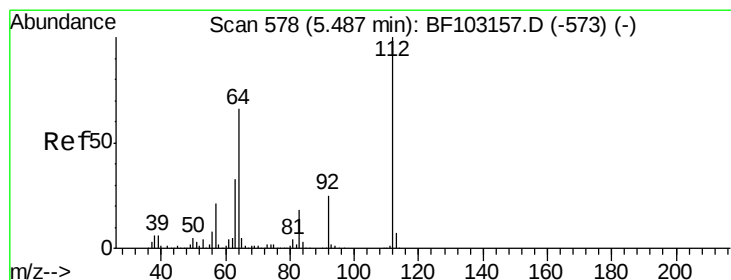
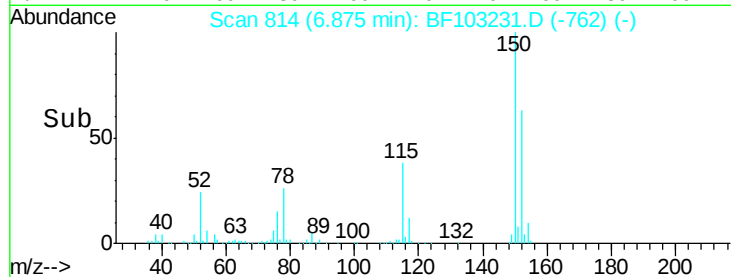
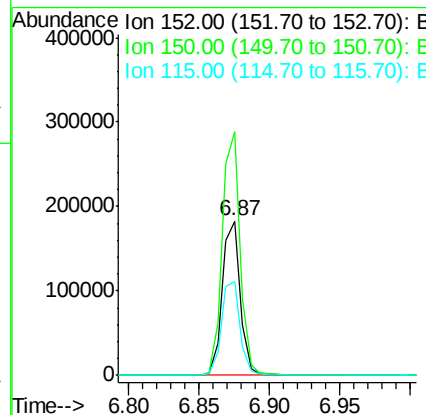
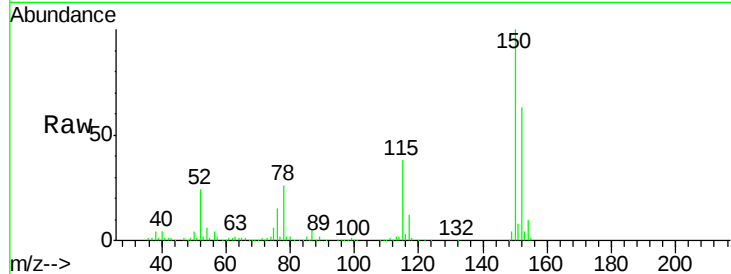
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :
B12

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	60.4	50.1	75.1

Manual Integrations
APPROVED

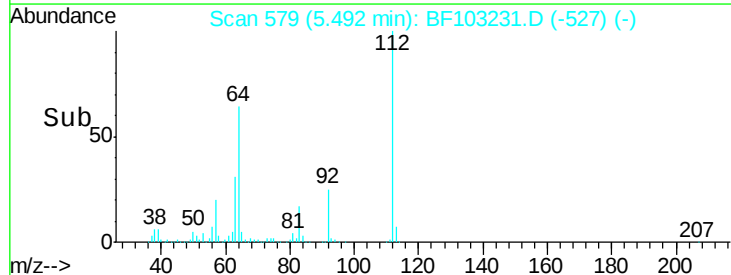
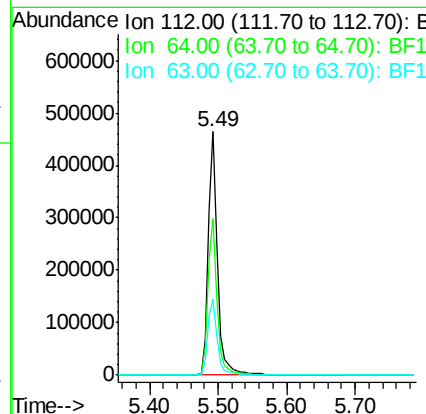
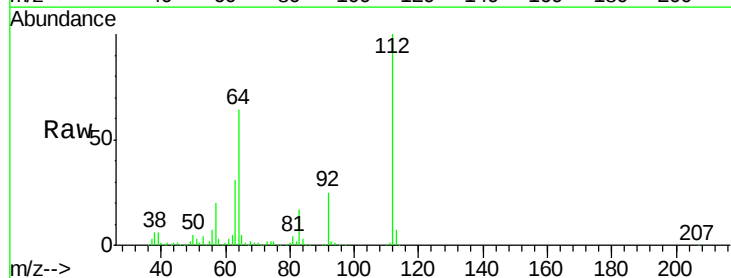
Sohil
2/27/2018 12:23:07 PM

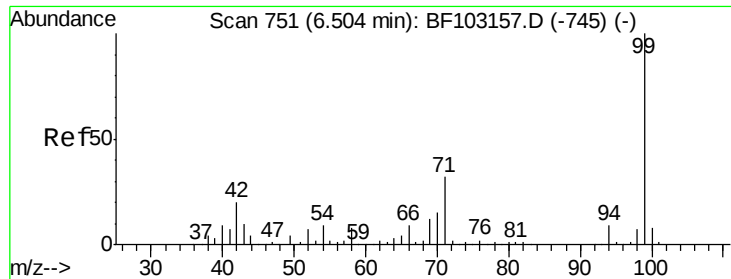


#5

2-Fluorophenol
Concen: 42.734 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 41.792 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103231.D

Acq: 26 Feb 2018 21:31

Instrument :

BNA_F

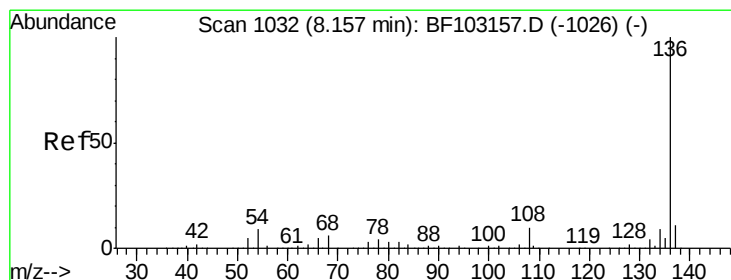
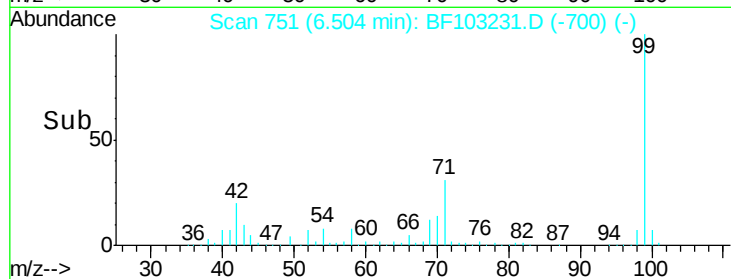
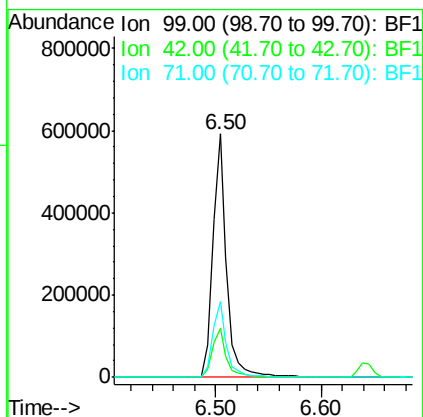
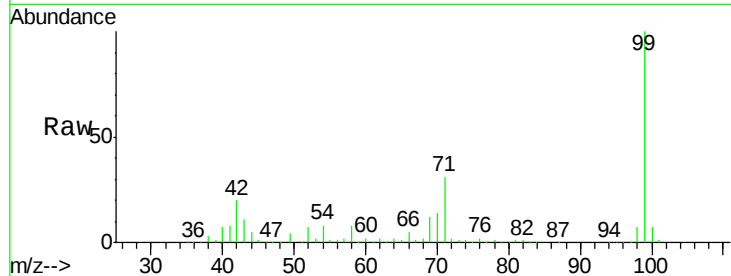
ClientSampled :

B12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		545888		
42	20.3	14.5	21.7		
71	31.2	25.4	38.0		

Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:07 PM



#21

Naphthalene-d8

Concen: 20.000 ng

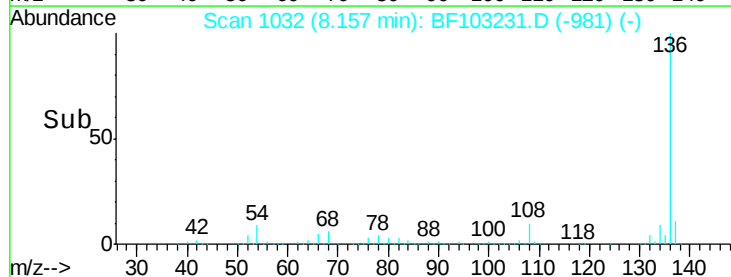
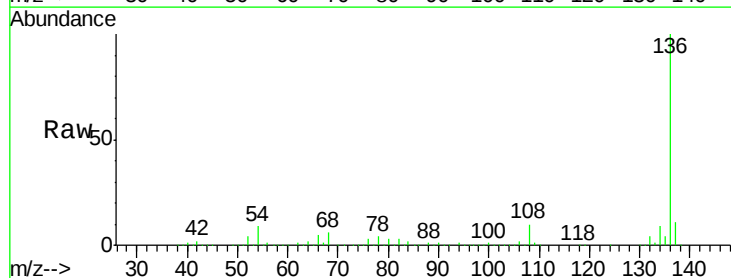
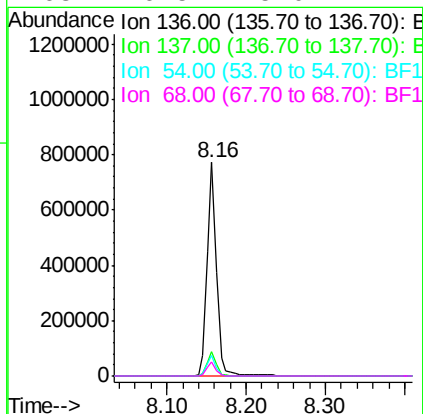
RT: 8.16 min Scan# 1032

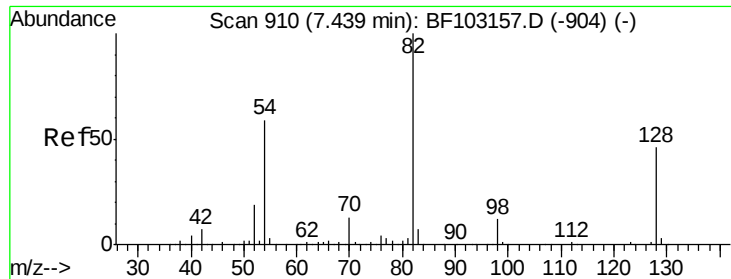
Delta R.T. -0.00 min

Lab File: BF103231.D

Acq: 26 Feb 2018 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		648252		
137	11.3	8.9	13.3		
54	9.4	6.6	9.8		
68	6.5	5.0	7.4		





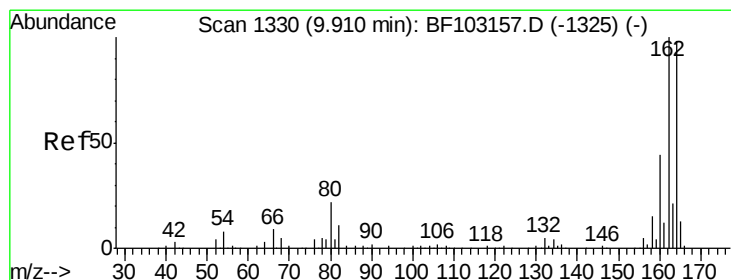
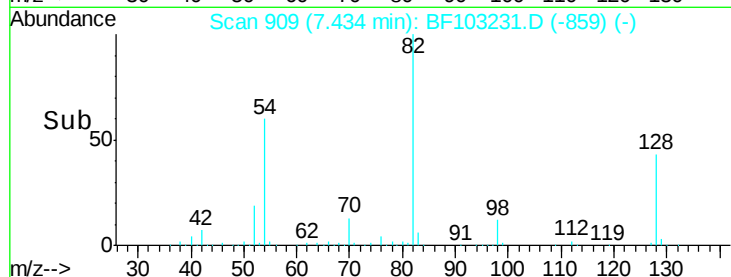
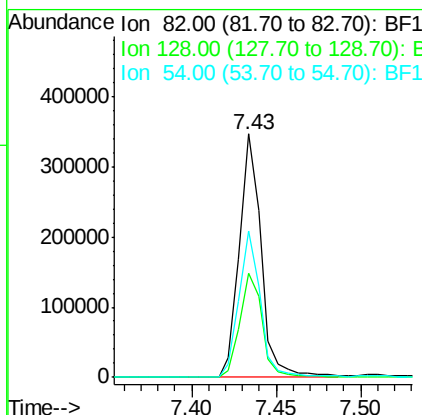
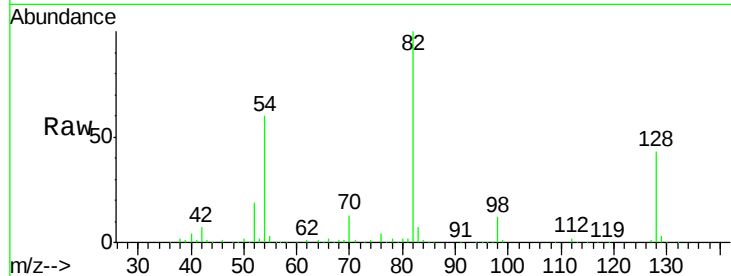
#23
Nitrobenzene-d5
Concen: 27.398 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampled :
B12

Tot Ion	Ratio	Resp	Lower	Upper
82	100	311003		
128	42.8		36.1	54.1
54	60.1		41.4	62.2

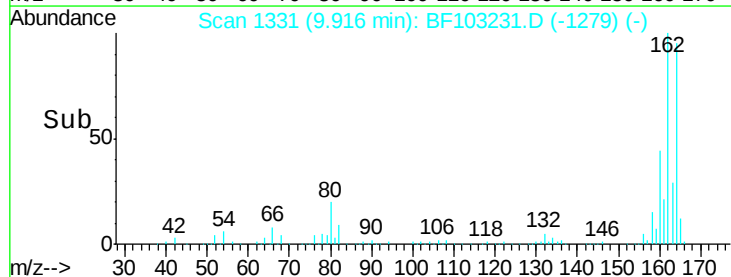
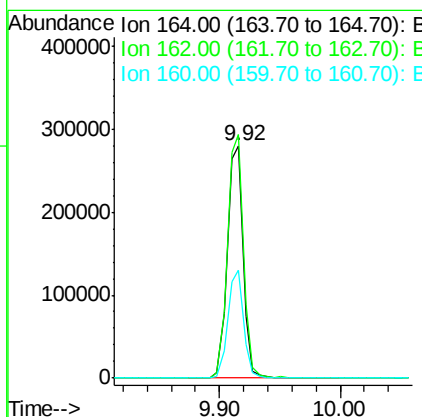
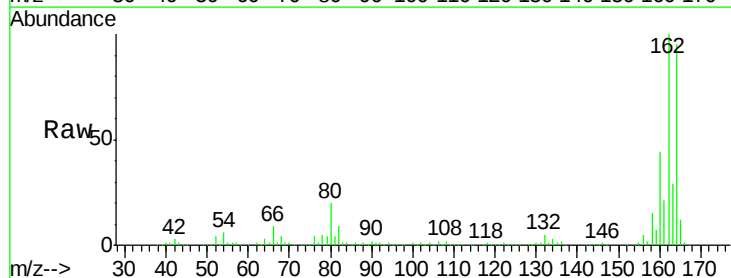
Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:07 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254805		
162	104.9		86.1	129.1
160	46.2		38.3	57.5





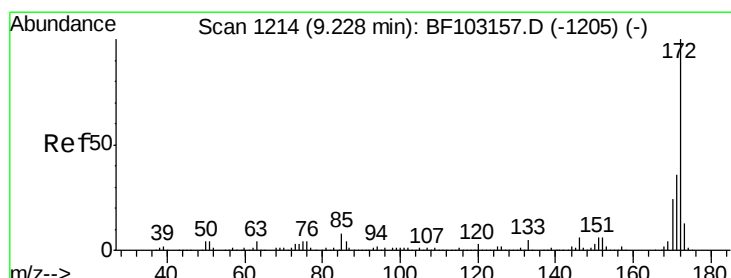
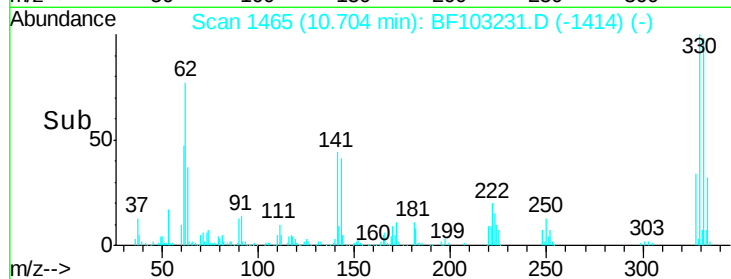
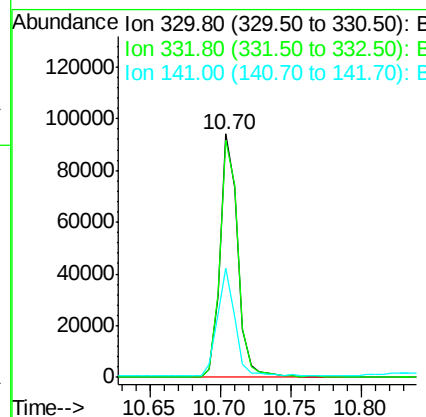
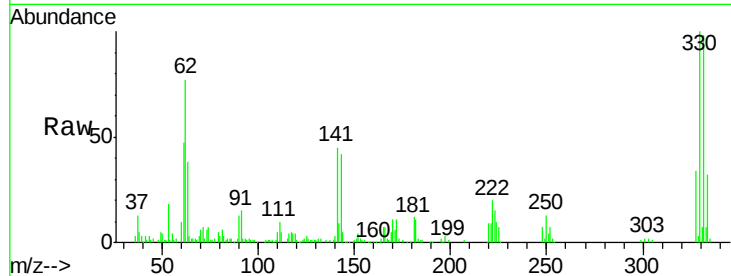
#41
 2,4,6-Tribromophenol
 Concen: 38.089 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 B12

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	43.4	29.9	44.9

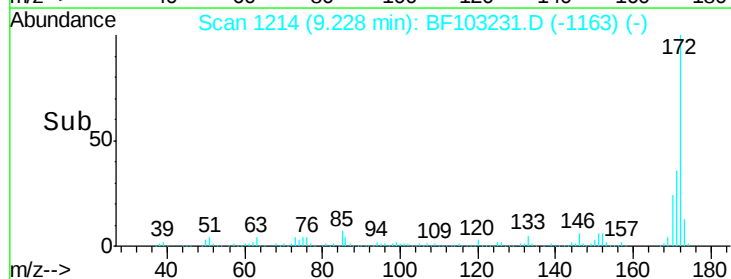
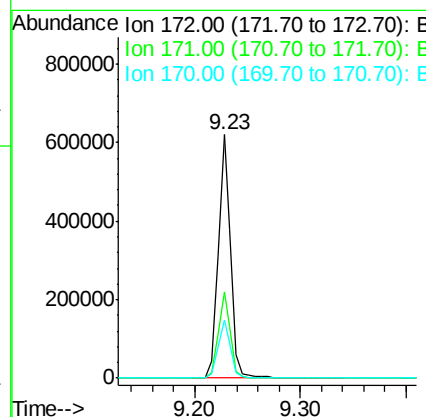
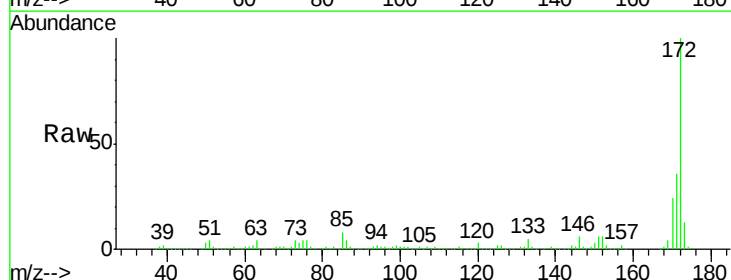
Manual Integrations
 APPROVED

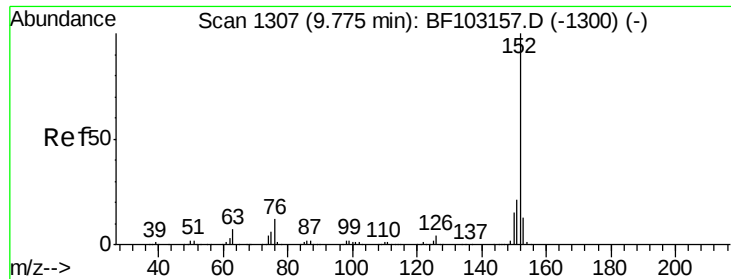
Sohil
 2/27/2018 12:23:07 PM



#44
 2-Fluorobiphenyl
 Concen: 28.905 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.6	29.4





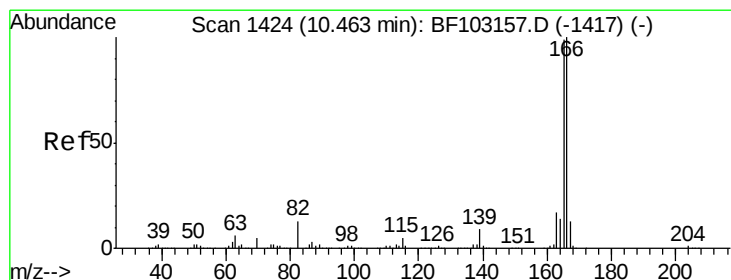
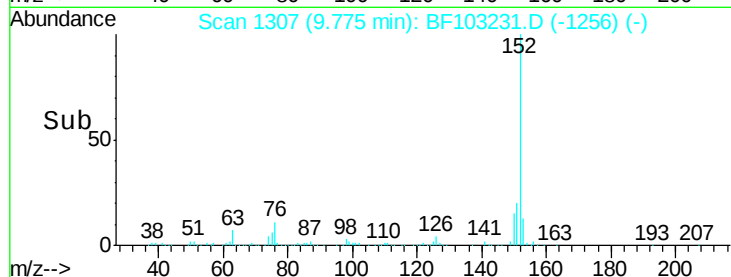
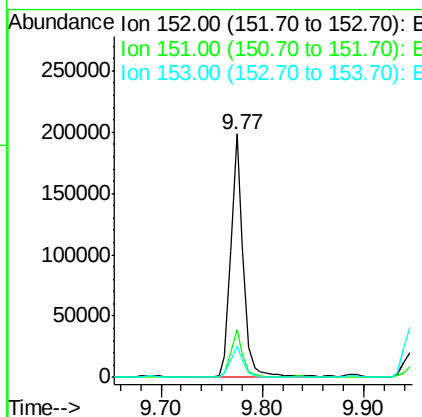
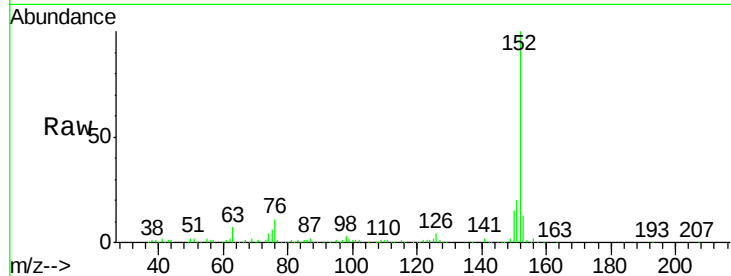
#48
Acenaphthylene
Concen: 6.475 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampled :
B12

Tot Ion	Ratio	Resp	Lower	Upper
152	100	168283		
151	19.6		16.3	24.5
153	12.7		10.7	16.1

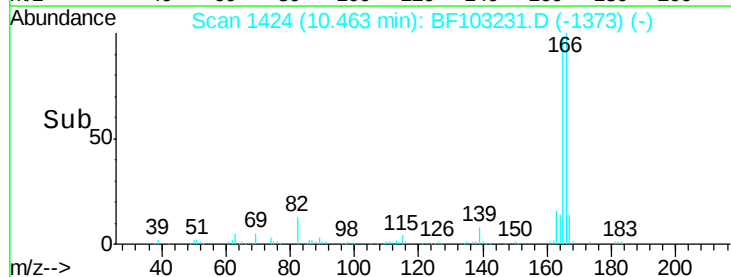
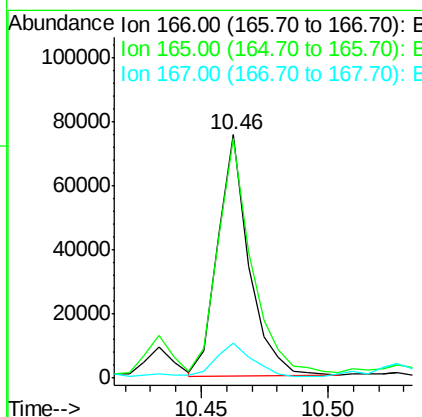
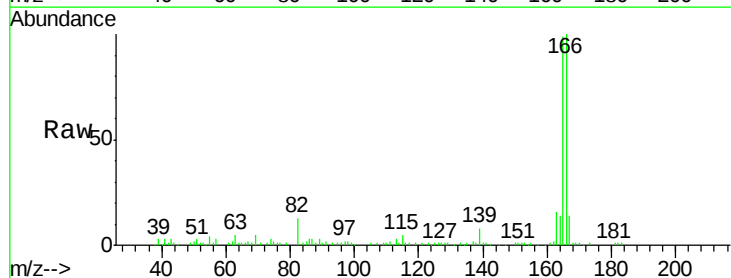
Manual Integrations
APPROVED

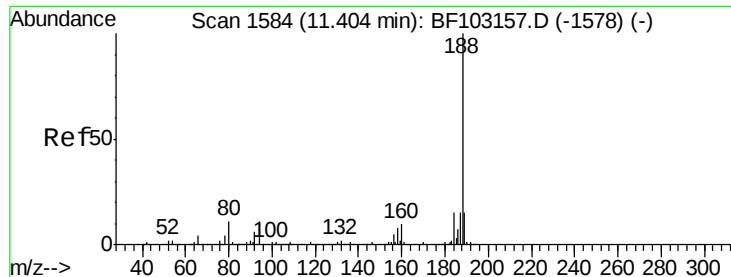
Sohil
2/27/2018 12:23:07 PM



#57
Fluorene
Concen: 3.632 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	64360		
165	98.6		79.8	119.8
167	14.3		10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103231.D

Acq: 26 Feb 2018 21:31

Instrument :

BNA_F

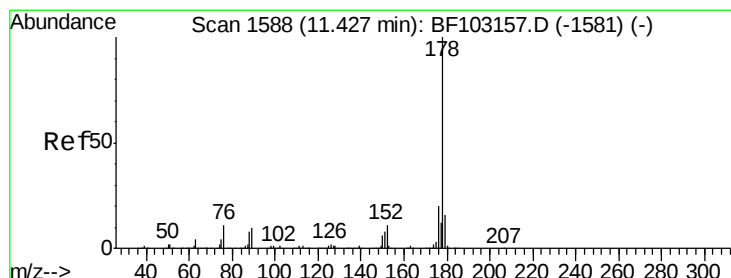
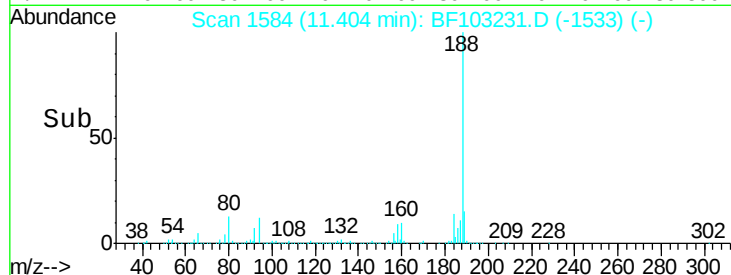
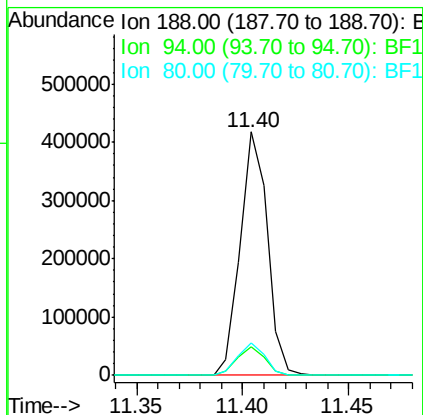
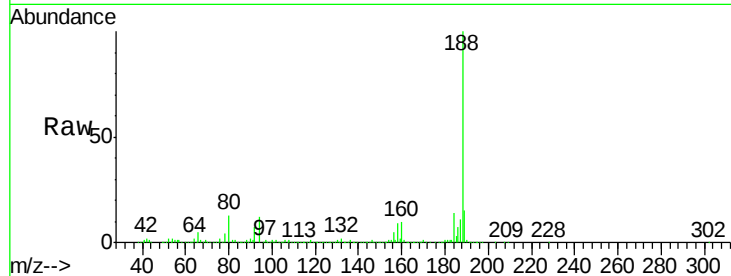
ClientSampled :

B12

Tot Ion:	188	Resp:	373393
Ion Ratio	Lower	Upper	
188	100		
94	12.0	8.5	12.7
80	13.4	9.2	13.8

Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:07 PM



#70

Phenanthrene

Concen: 32.433 ng

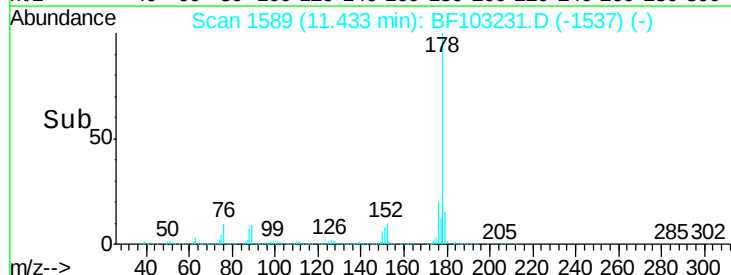
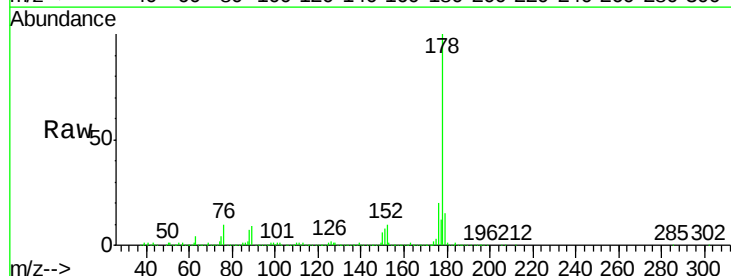
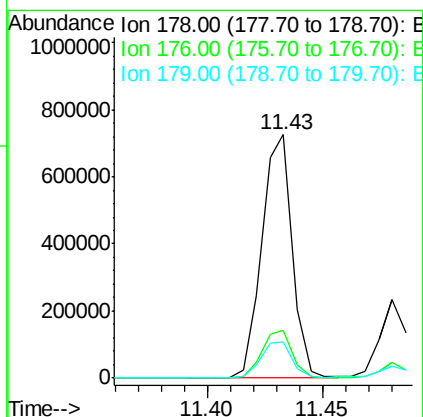
RT: 11.43 min Scan# 1589

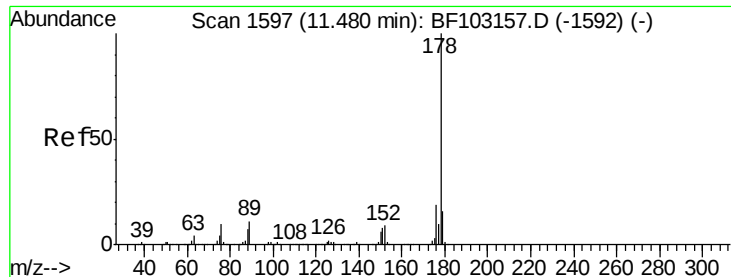
Delta R.T. 0.01 min

Lab File: BF103231.D

Acq: 26 Feb 2018 21:31

Tgt Ion:	178	Resp:	666461
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.1	13.0	19.6





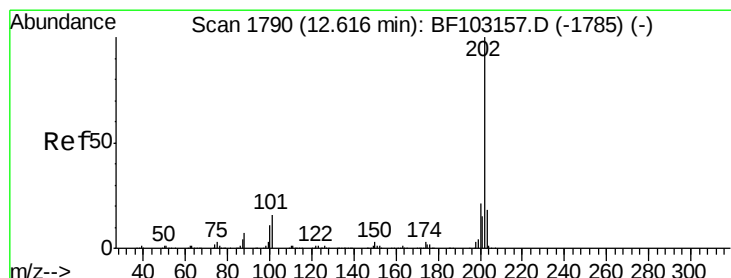
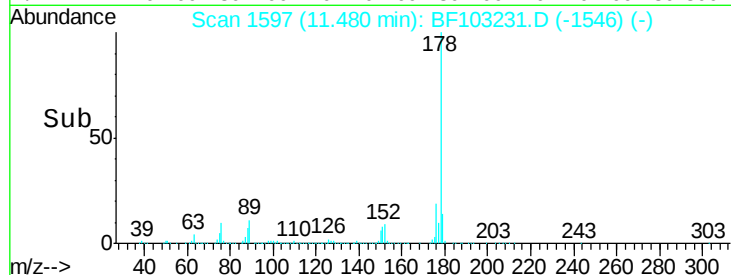
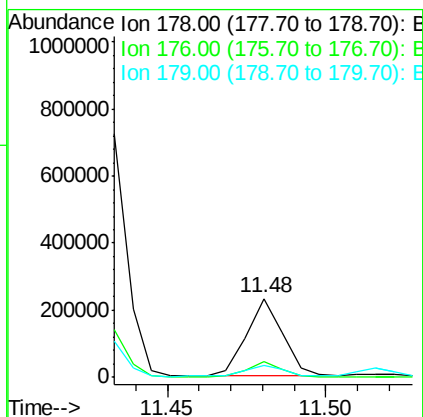
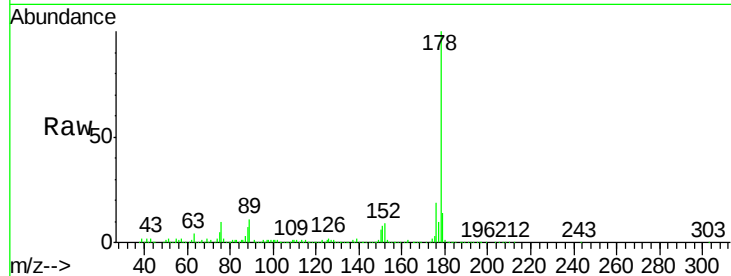
#71
 Anthracene
 Concen: 8.707 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Instrument :
 BNA_F
 ClientSampled :
 B12

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.3	15.4	23.2	
179	14.5	12.6	19.0	

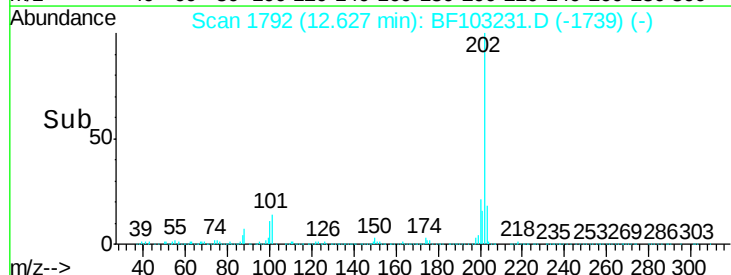
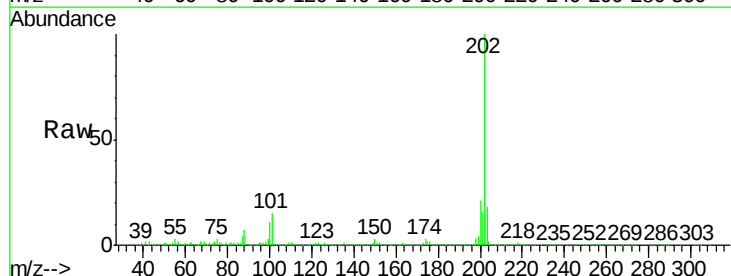
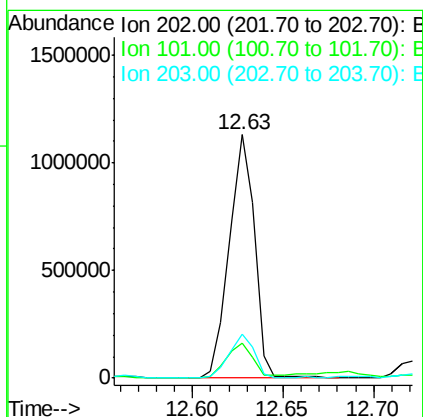
Manual Integrations
 APPROVED

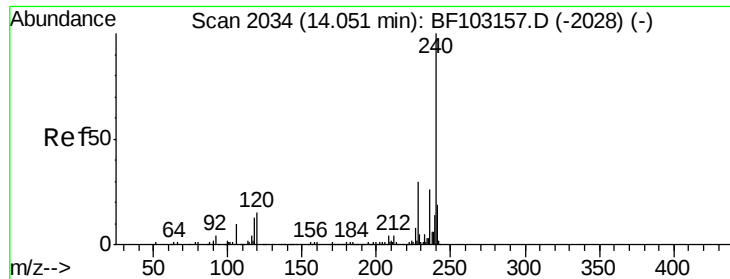
Sohil
 2/27/2018 12:23:07 PM



#74
 Fluoranthene
 Concen: 52.989 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	14.6	0.0	34.1	
203	17.9	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103231.D

Acq: 26 Feb 2018 21:31

Instrument :

BNA_F

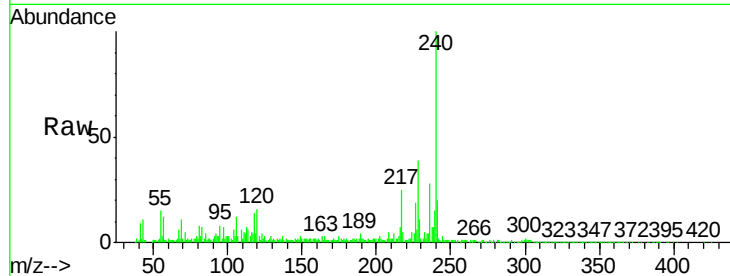
ClientSampleId :

B12

Tot Ion	Ratio	Resp	Lower	Upper
240	100	230186		
120	15.6	9.5	14.3#	
236	27.7	20.7	31.1	

Manual Integrations
APPROVED

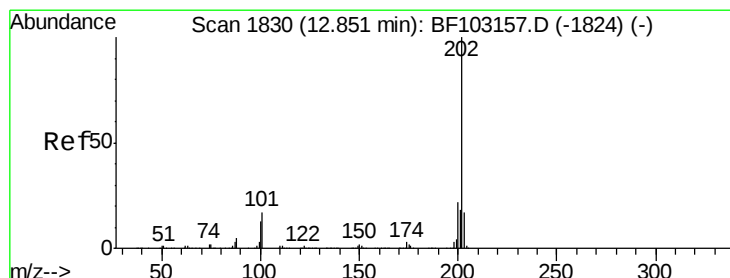
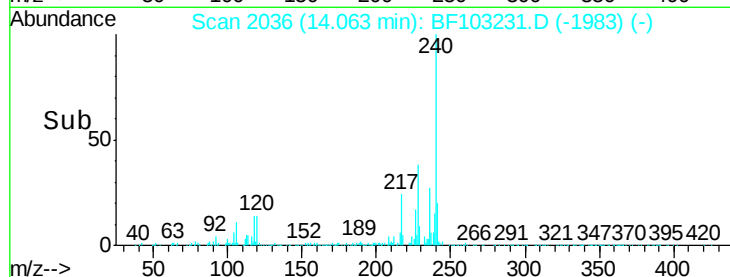
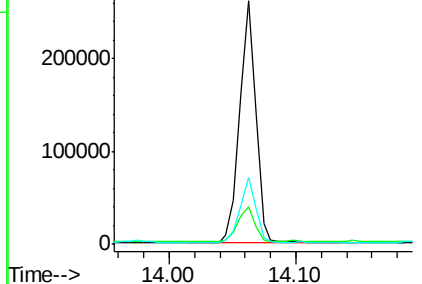
Sohil
2/27/2018 12:23:07 PM



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: 58.272 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103231.D

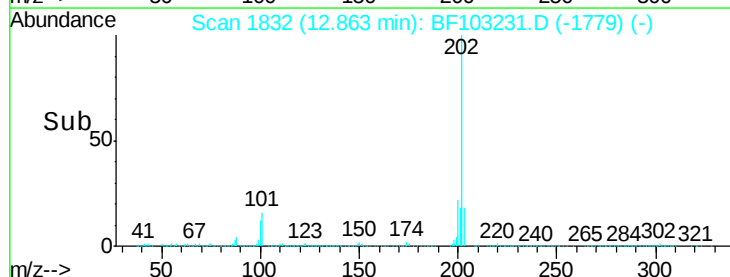
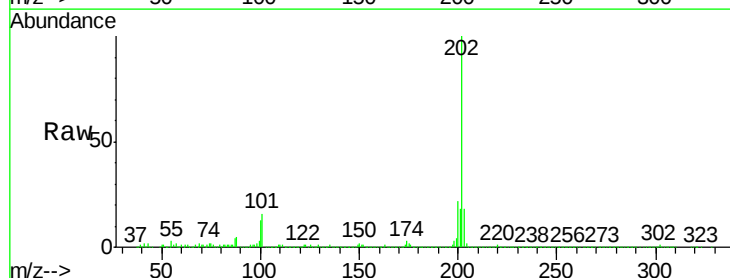
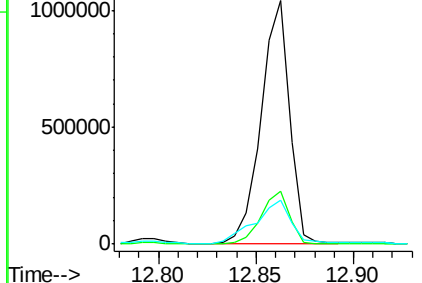
Acq: 26 Feb 2018 21:31

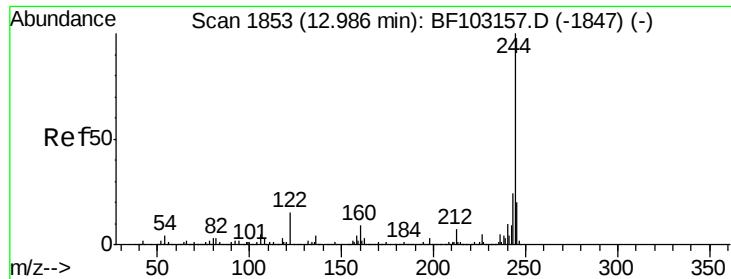
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1045794		
200	21.8	17.4	26.2	
203	18.1	14.3	21.5	

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





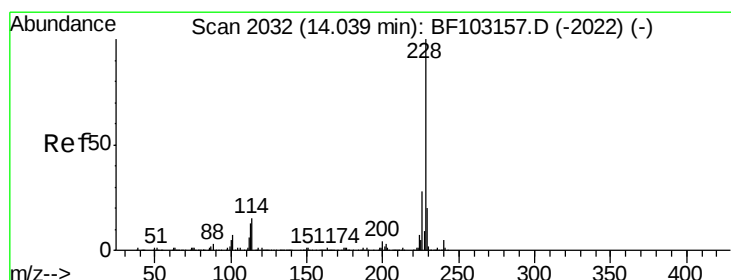
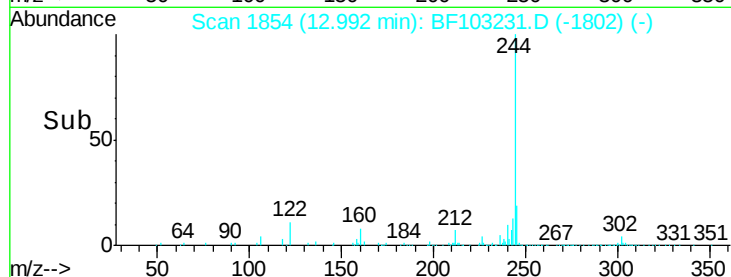
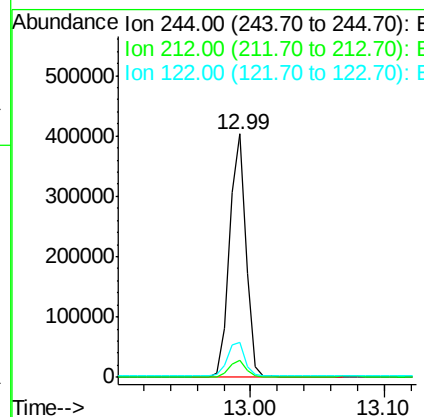
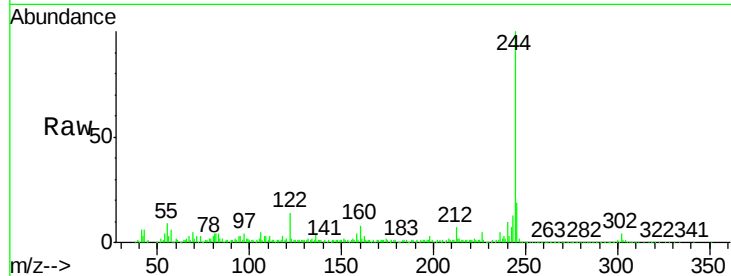
#78
 Terphenyl-d14
 Concen: 36.664 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Instrument :
 BNA_F
 ClientSampled :
 B12

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.2	11.0	16.4

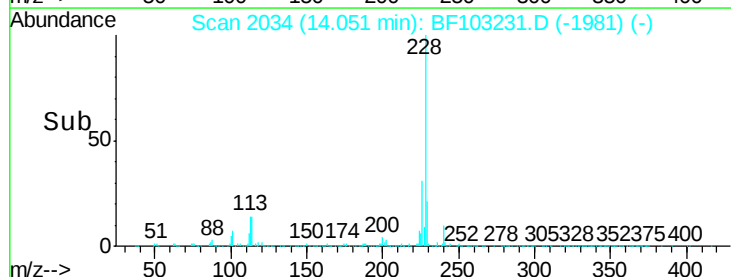
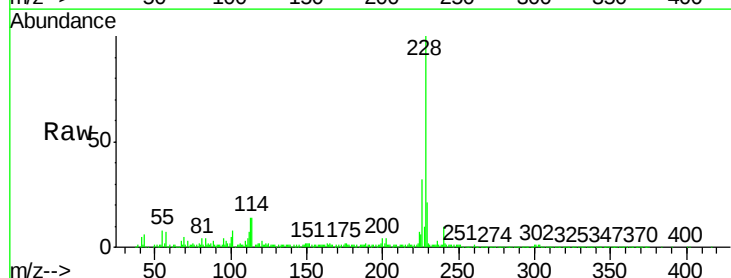
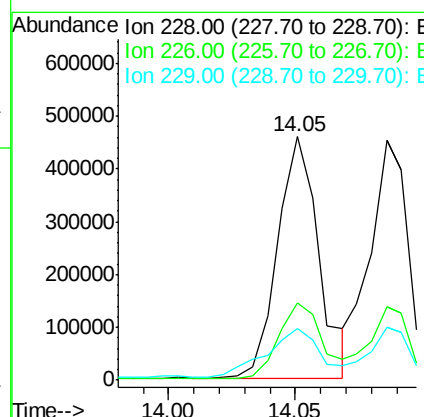
Manual Integrations
 APPROVED

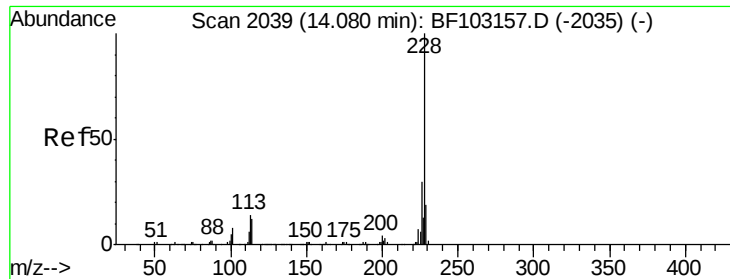
Sohil
 2/27/2018 12:23:07 PM



#80
 Benzo(a)anthracene
 Concen: 34.437 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF103231.D
 Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	21.4	15.8	23.6





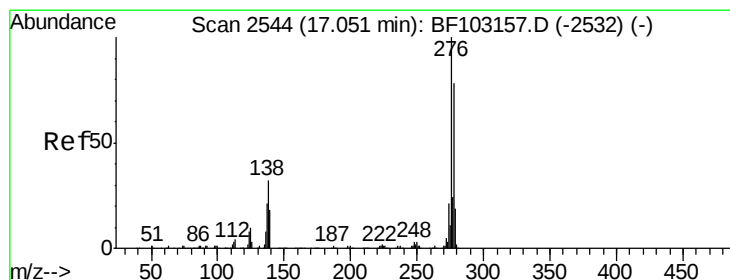
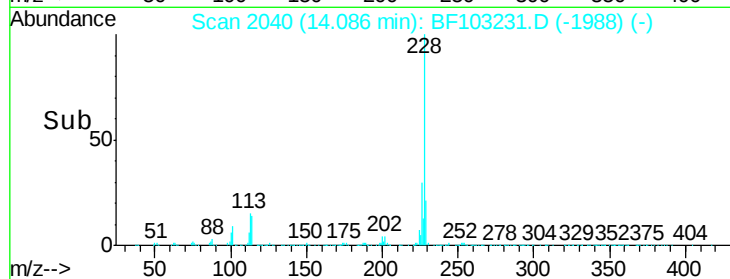
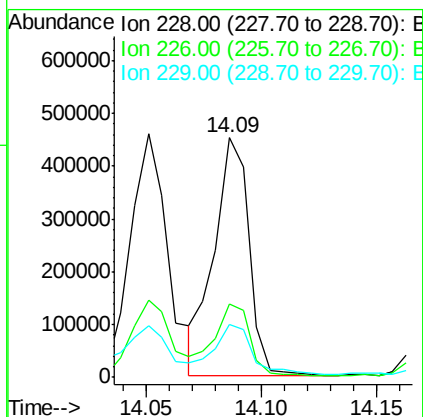
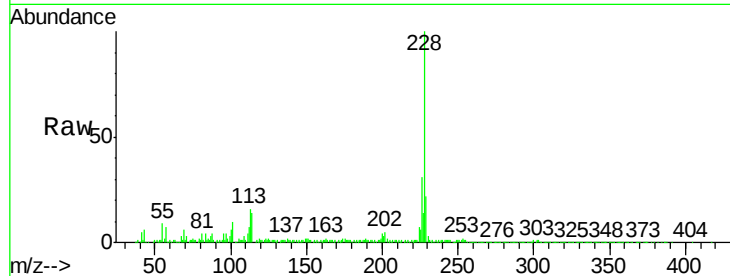
#82
Chrysene
Concen: 32.382 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampled :
B12

Tot Ion:	228	Resp:	469591
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.0	16.2	24.4

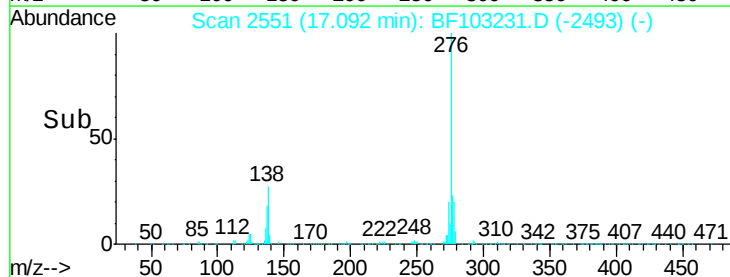
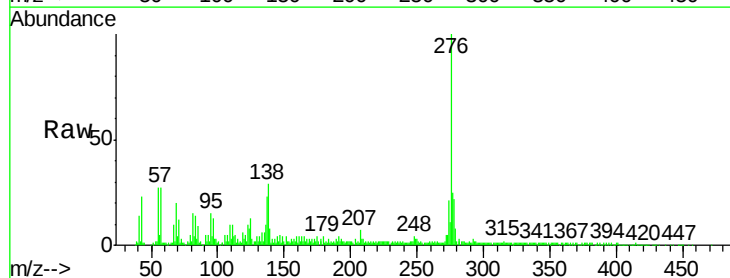
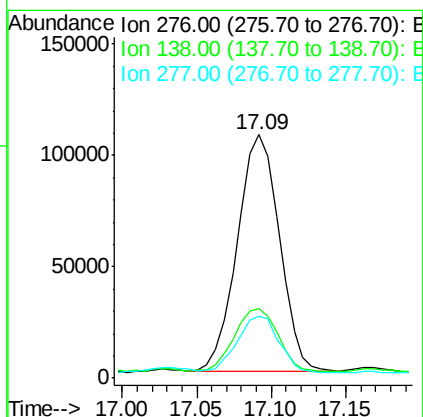
Manual Integrations
APPROVED

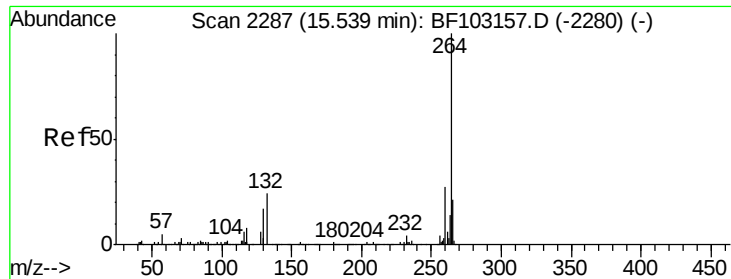
Sohil
2/27/2018 12:23:07 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 18.185 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.04 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:	276	Resp:	208776
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.0	37.6
277	24.5	20.1	30.1





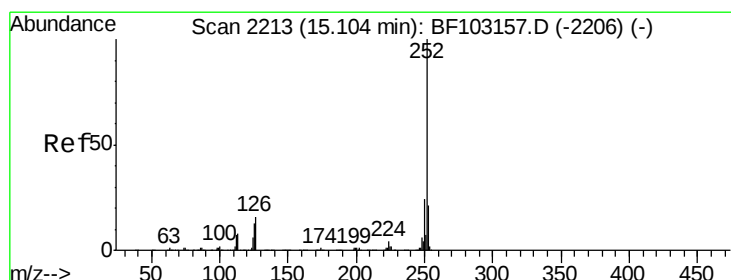
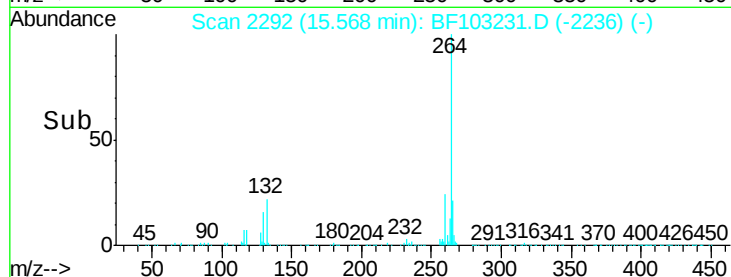
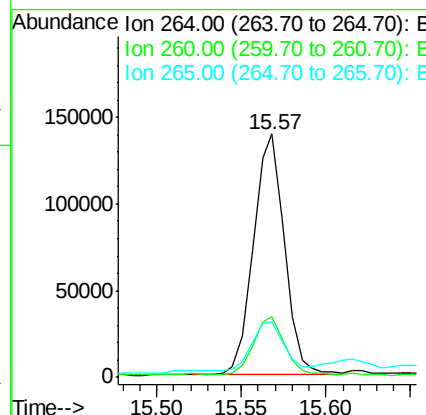
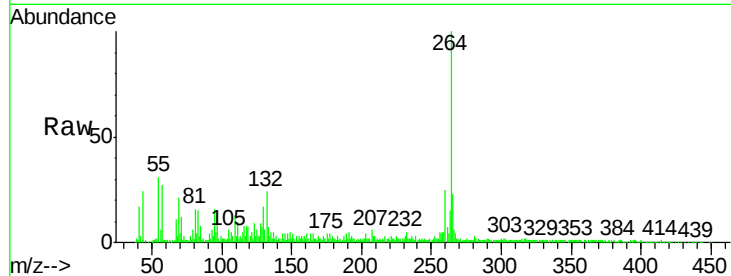
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.03 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :
B12

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.8	17.5	26.3

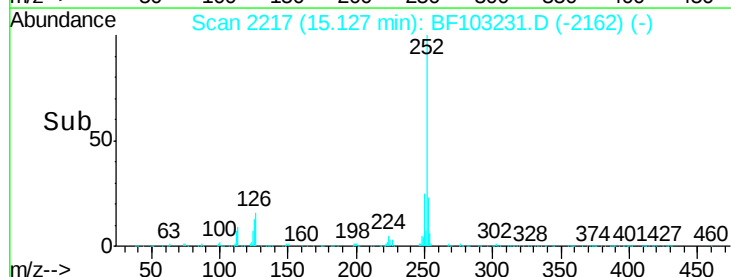
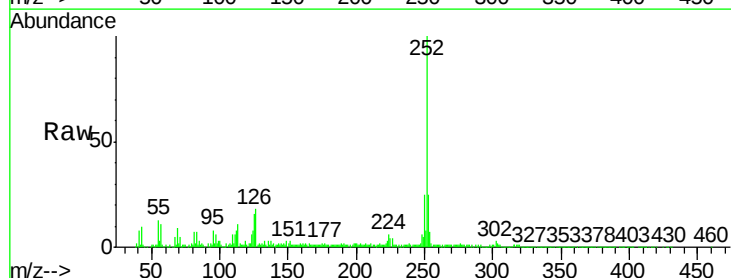
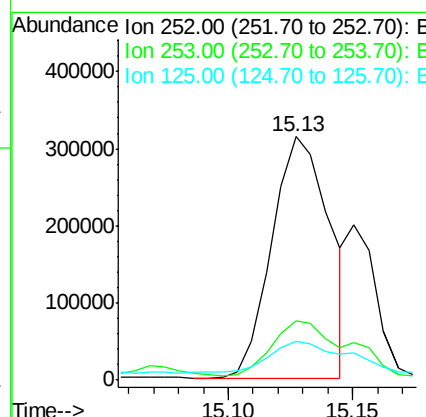
Manual Integrations
APPROVED

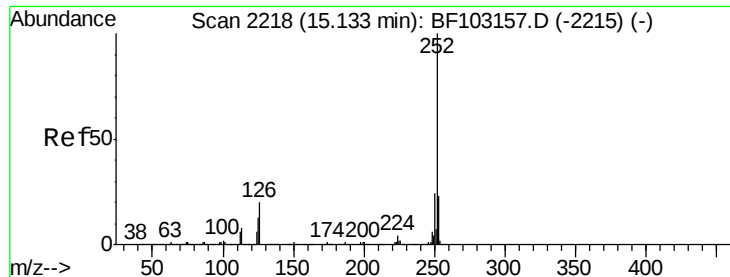
Sohil
2/27/2018 12:23:07 PM



#87
Benzo(b)fluoranthene
Concen: 43.437 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	16.1	9.0	13.6





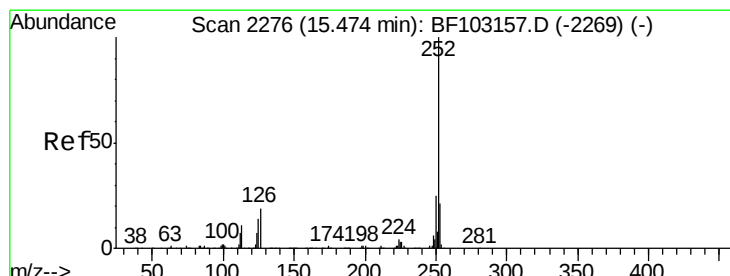
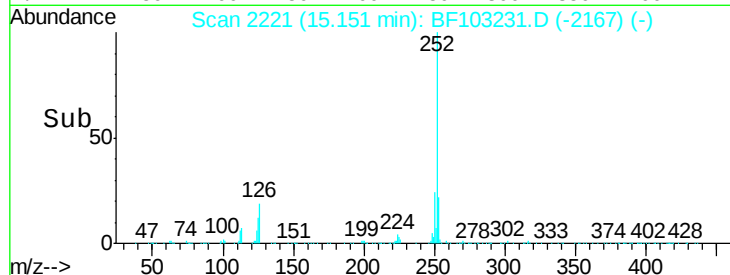
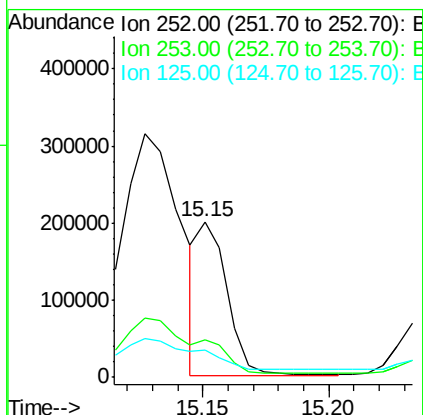
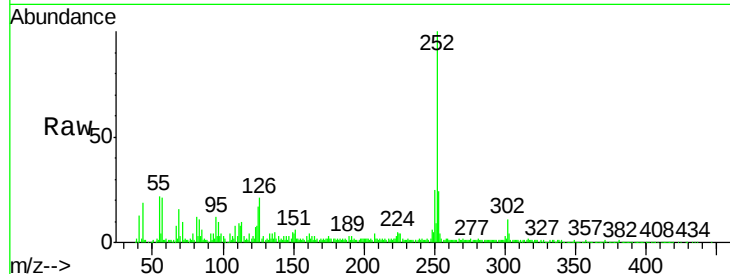
#88
Benzo(k)fluoranthene
Concen: 14.550 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :
B12

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	17.2	10.2	15.2

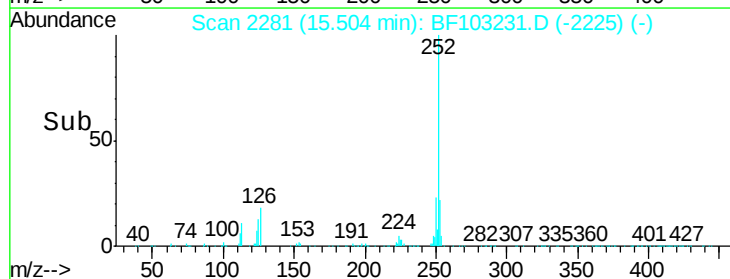
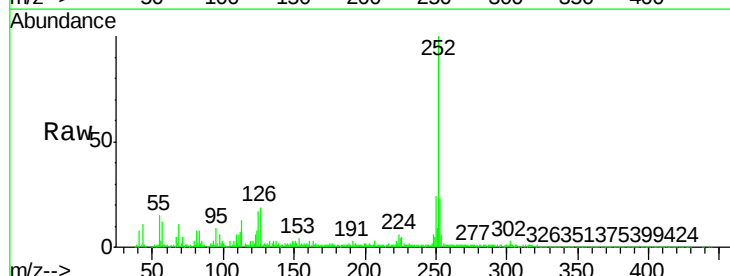
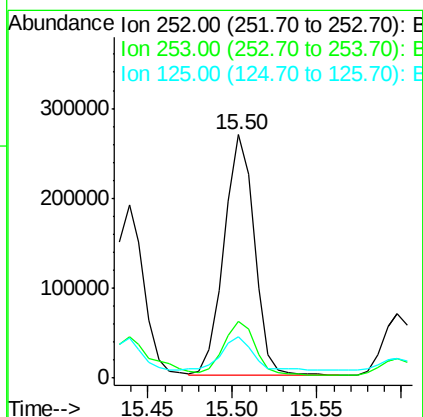
Manual Integrations
APPROVED

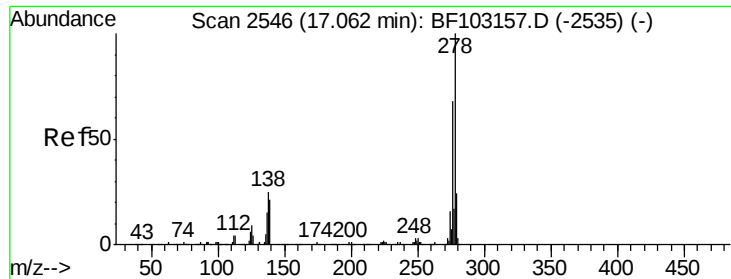
Sohil
2/27/2018 12:23:07 PM



#89
Benzo(a)pyrene
Concen: 32.226 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.03 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	17.0	9.8	14.6





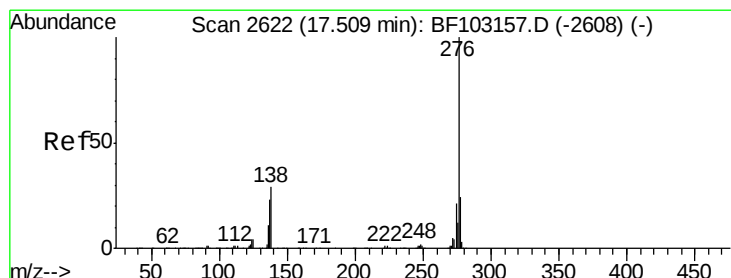
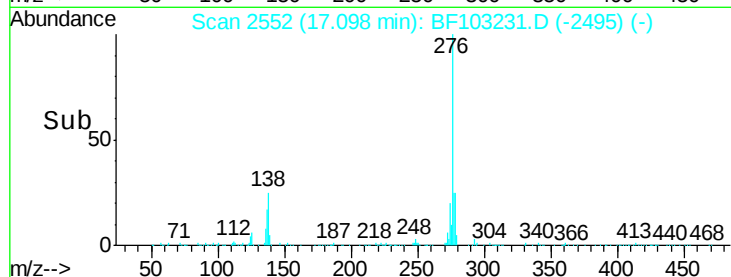
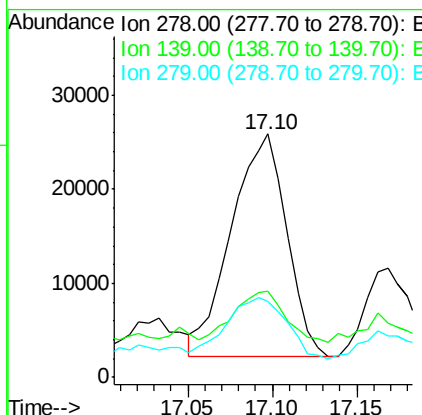
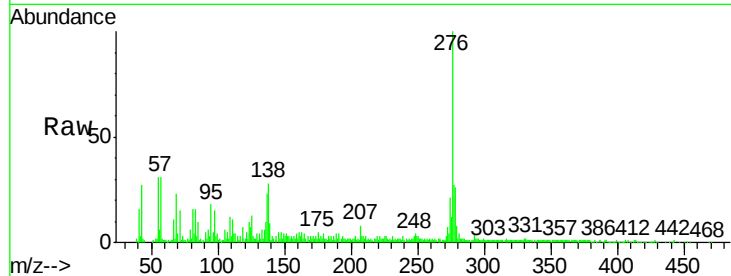
#90
Dibenzo(a,h)anthracene
Concen: 6.661 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.04 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :
B12

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.6	15.9	23.9#
279	31.1	19.0	28.4#

Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:07 PM



#91
Benzo(g,h,i)perylene
Concen: 26.358 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.05 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	27.7	21.8	32.8

