

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106682.D
 Acq On : 22 Jun 2018 00:56
 Operator : JU/SJ
 Sample : J3523-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:36 AM

Quant Time: Jun 22 04:16:47 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	58189	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	209243	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	95263	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	194055	20.00	ng	0.00
75) Chrysene-d12	14.15	240	166819	20.00	ng	0.00
86) Perylene-d12	15.69	264	121129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	43056	12.53	ng	0.00
7) Phenol-d6	6.60	99	103038	24.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	59467	15.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	2342	2.12	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	117644	7.44	ng	-0.01
78) Terphenyl-d14	13.08	244	150690	21.88	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	19775	2.768	ng	Qvalue # 96
51) Acenaphthene	10.04	154	12711	2.139	ng	98
57) Fluorene	10.55	166	20233	3.134	ng	97
70) Phenanthrene	11.52	178	190550	20.359	ng	100
71) Anthracene	11.57	178	66284	6.938	ng	97
74) Fluoranthene	12.71	202	227020	22.006	ng	97
77) Pyrene	12.95	202	201712	18.337	ng	99
80) Benzo(a)anthracene	14.14	228	88791	8.733	ng	98
82) Chrysene	14.18	228	79505	8.500	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	22698	3.925	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.26	276	26285	3.311	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	74032m	9.839	ng	
88) Benzo(k)fluoranthene	15.26	252	18533m	2.586	ng	
89) Benzo(a)pyrene	15.62	252	47818	7.149	ng	# 92
91) Benzo(a,h,i)perylene	17.74	276	26836	4.843	ng	91

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

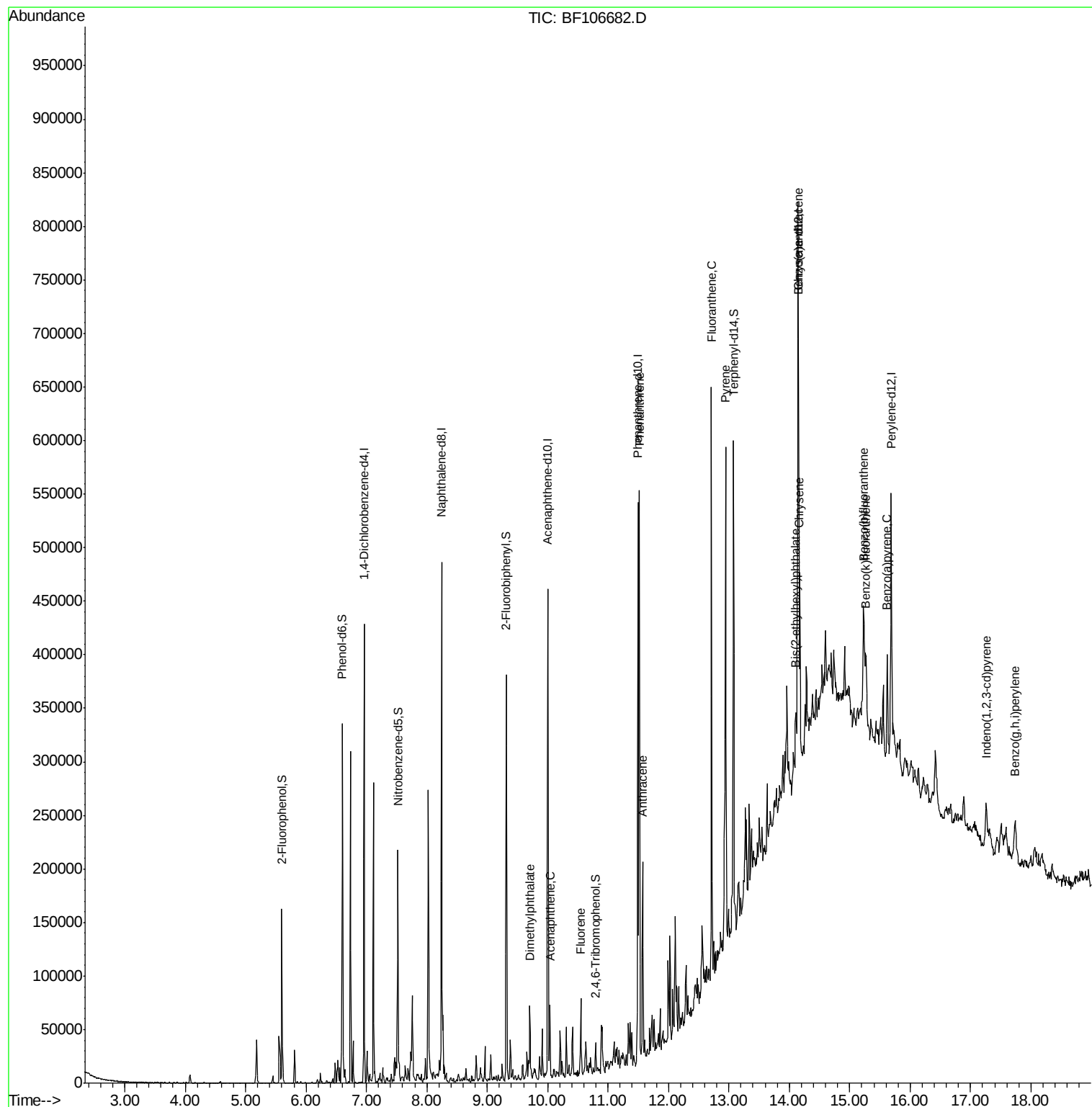
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106682.D
Acq On : 22 Jun 2018 00:56
Operator : JU/SJ
Sample : J3523-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

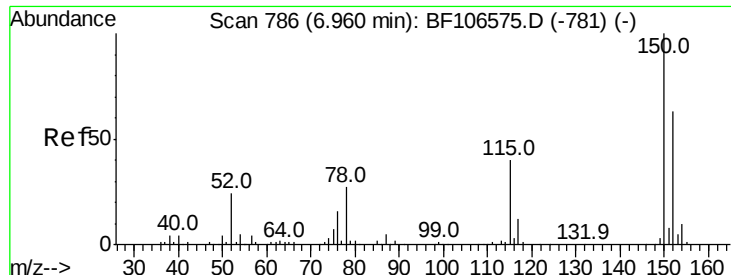
Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:36 AM

Quant Time: Jun 22 04:16:47 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

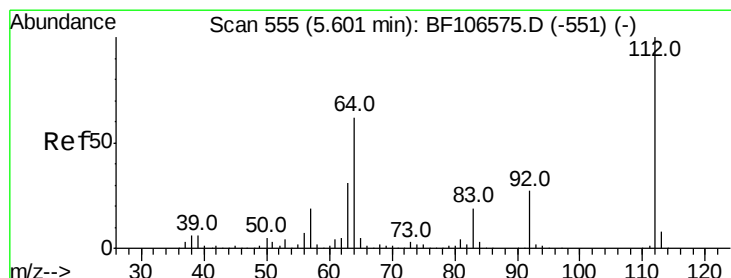
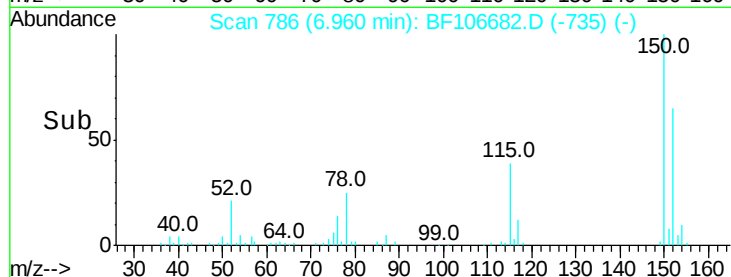
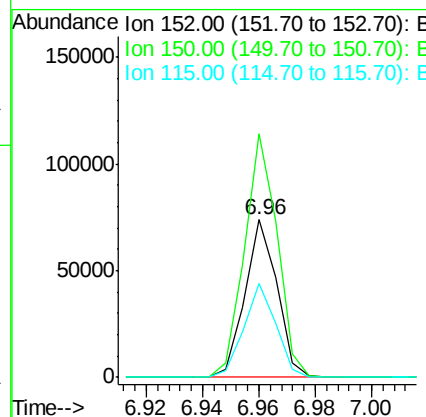
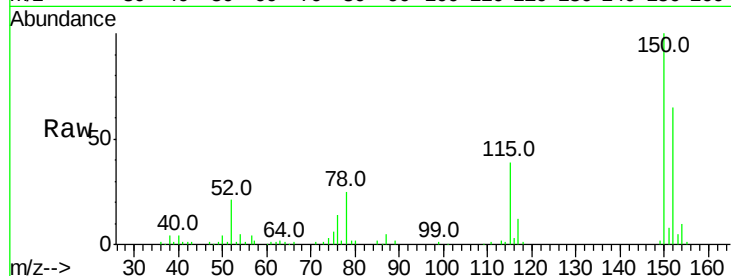
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	59.6	50.1	75.1

Manual Integrations
 APPROVED

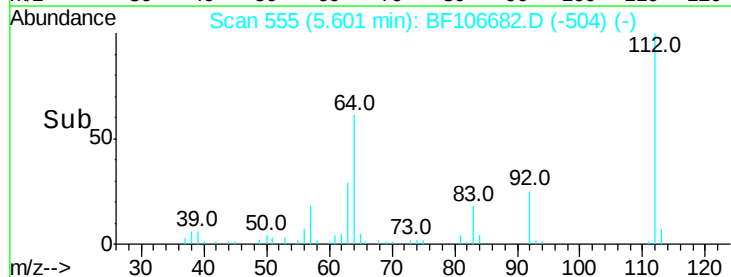
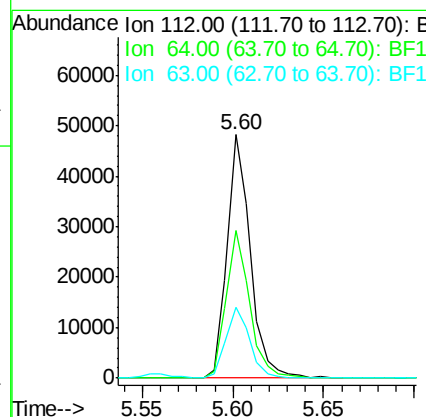
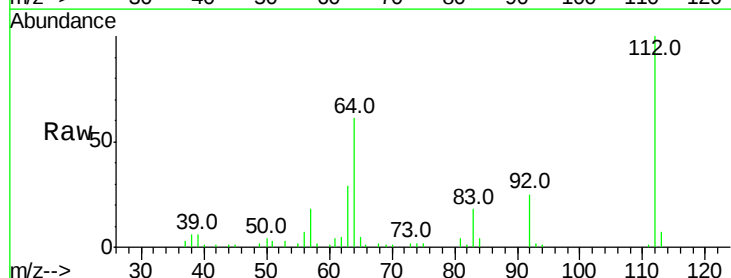
Sohil
 6/22/2018 10:23:36 AM



#5

2-Fluorophenol
 Concen: 12.529 ng
 RT: 5.60 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 24.010 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

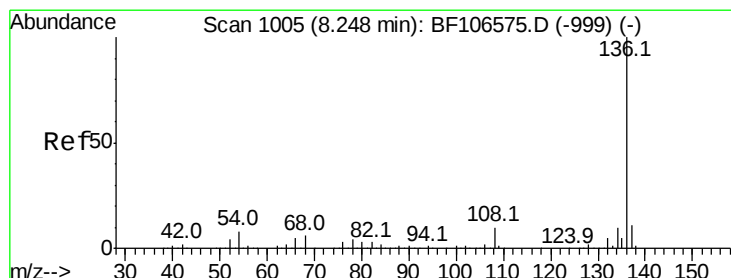
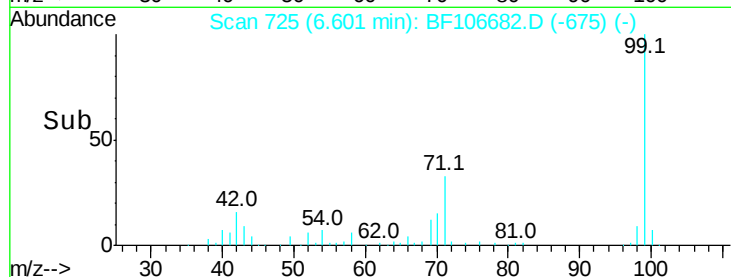
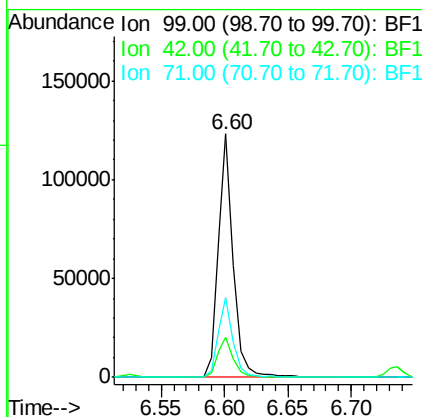
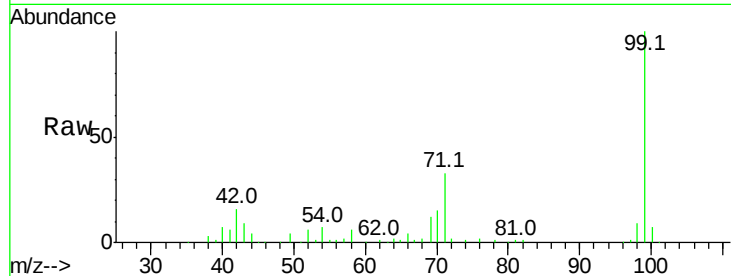
ClientSampleId :

AREA1(S)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		103038		
42	16.2	14.5	21.7		
71	32.8	25.4	38.0		

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:36 AM



#21

Naphthalene-d8

Concen: 20.000 ng

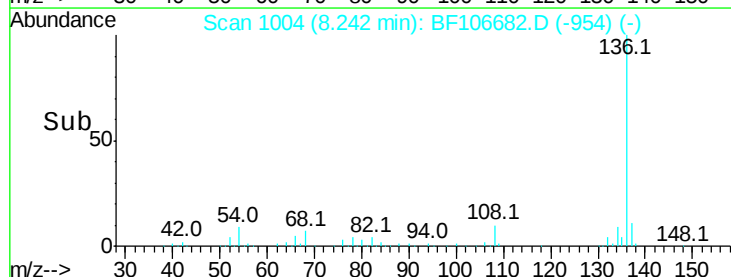
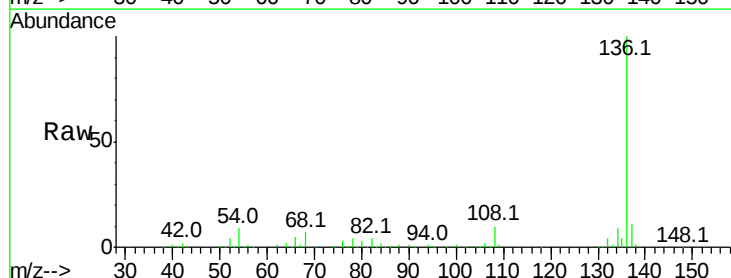
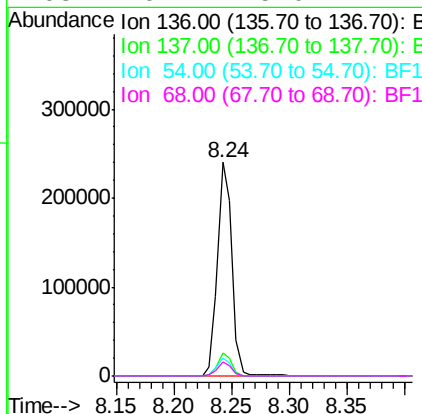
RT: 8.24 min Scan# 1004

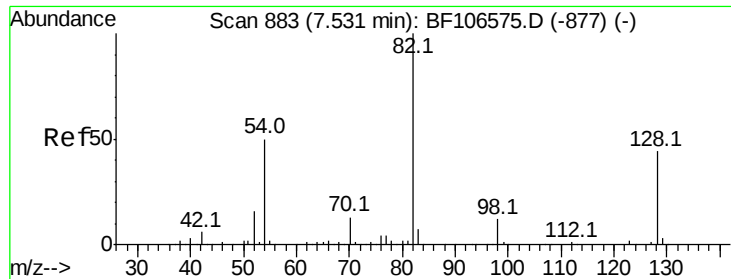
Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		209243		
137	10.7	8.9	13.3		
54	8.5	6.6	9.8		
68	6.7	5.0	7.4		





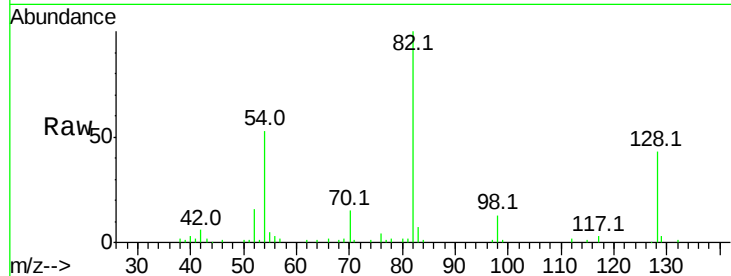
#23
Nitrobenzene-d5
Concen: 15.794 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

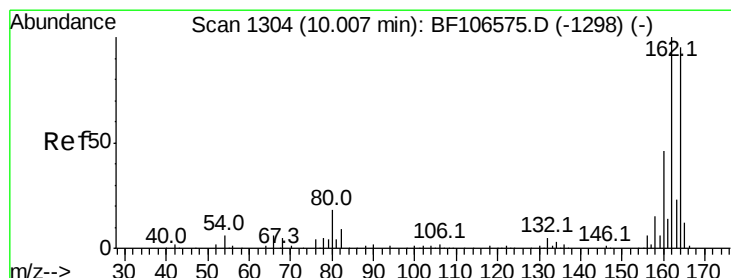
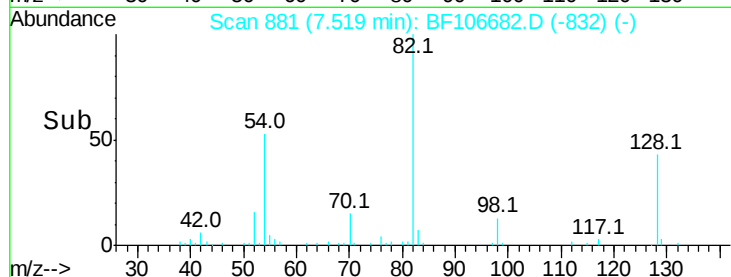
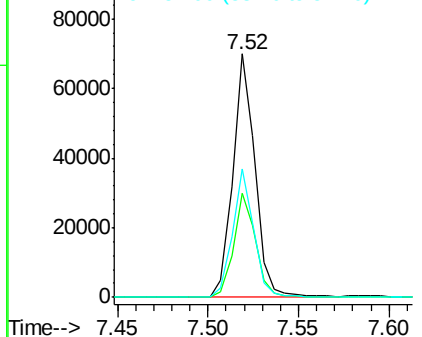
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	53.0	41.4	62.2

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:36 AM

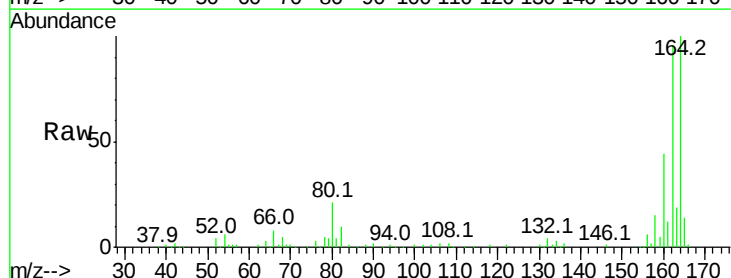


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

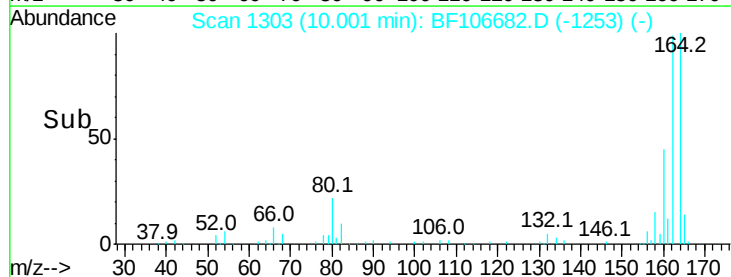
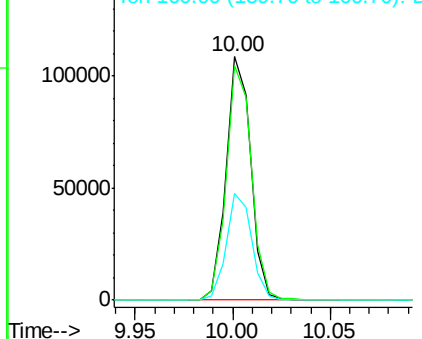


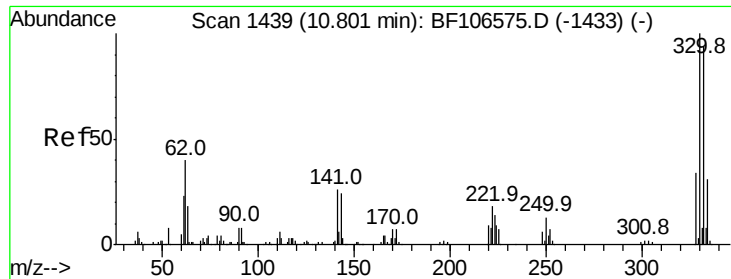
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	44.0	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





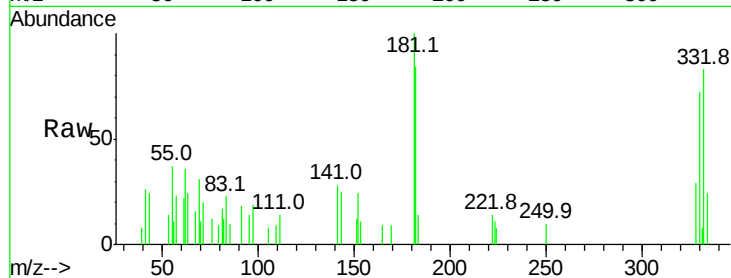
#41
 2,4,6-Tribromophenol
 Concen: 2.121 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)

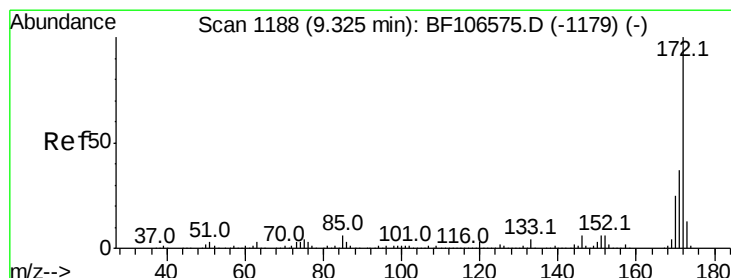
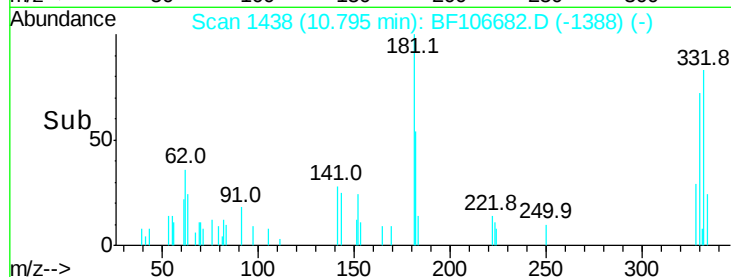
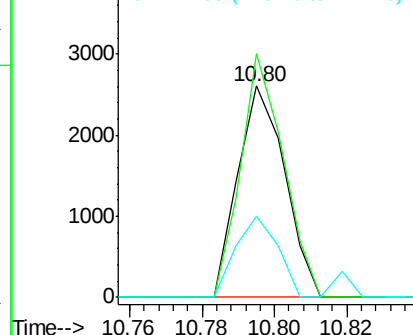
Tot Ion	Ratio	Lower	Upper
330	100		
332	105.0	77.0	115.6
141	34.3	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:36 AM



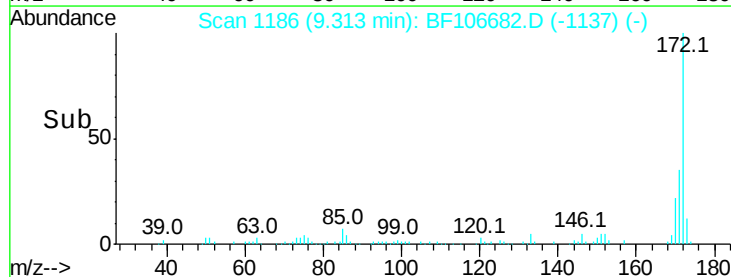
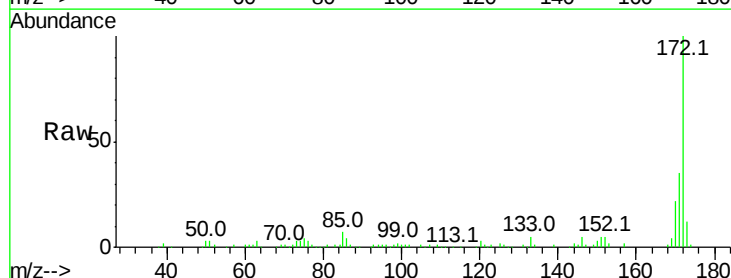
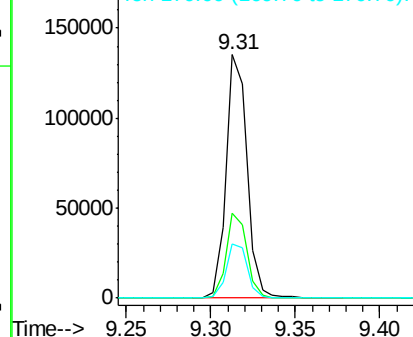
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

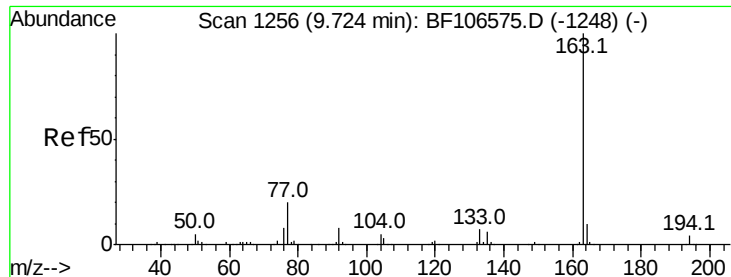


#44
 2-Fluorobiphenyl
 Concen: 7.444 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	22.4	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





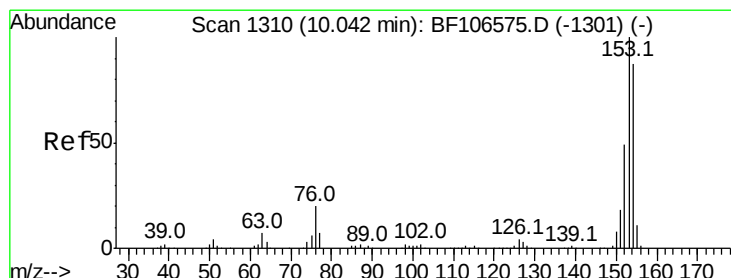
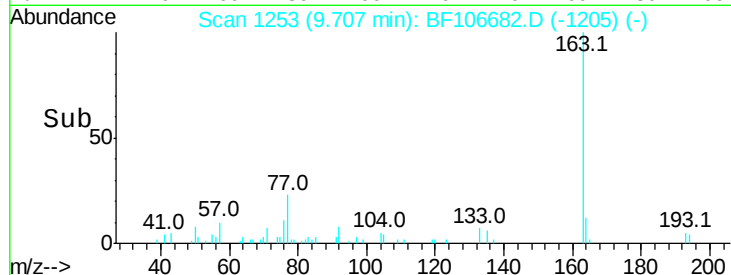
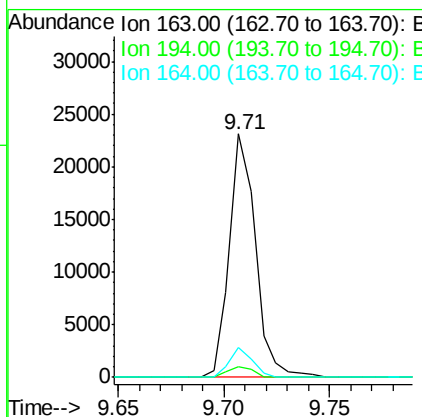
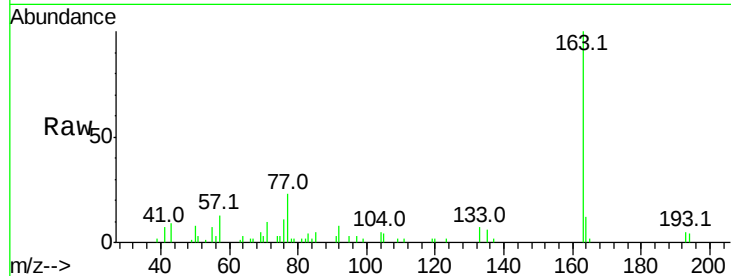
#49
Dimethylphthalate
Concen: 2.768 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	12.0	8.2	12.2

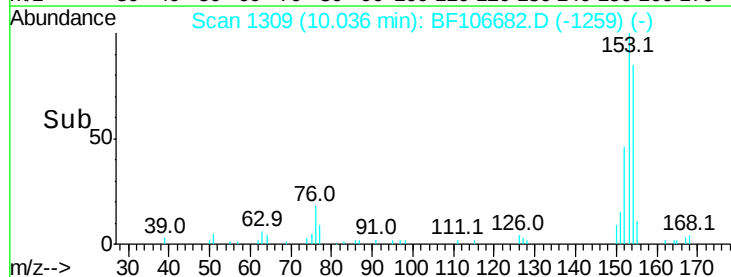
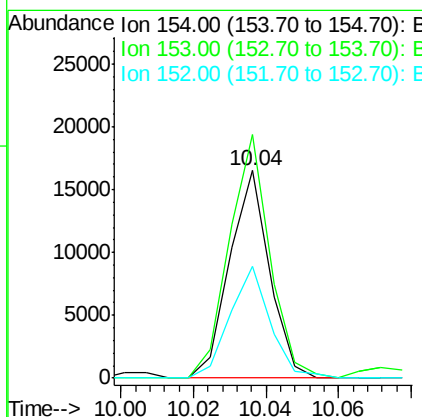
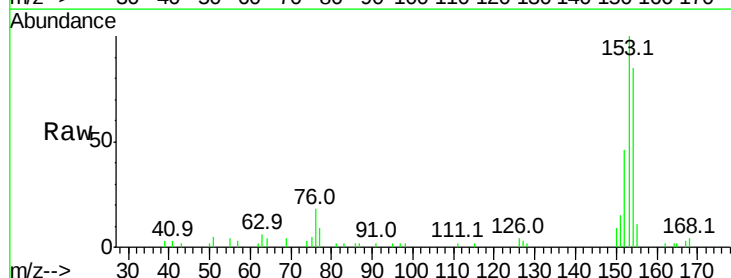
Manual Integrations
APPROVED

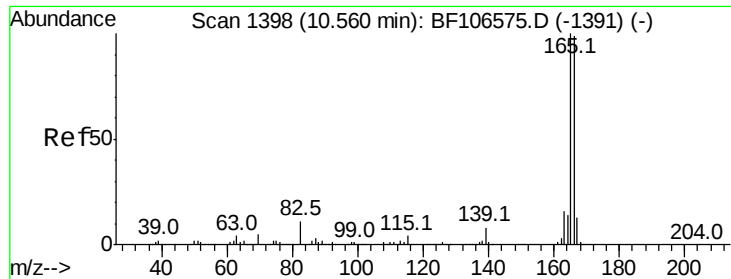
Sohil
6/22/2018 10:23:36 AM



#51
Acenaphthene
Concen: 2.139 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.2	136.8
152	54.2	43.8	65.8





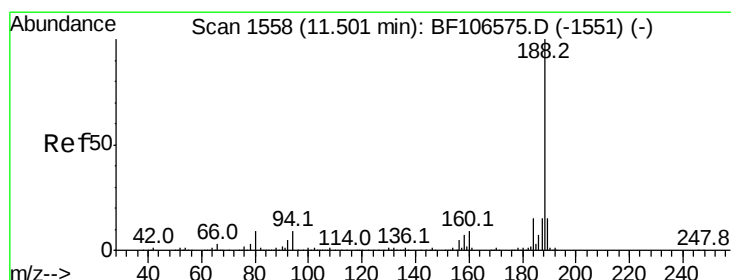
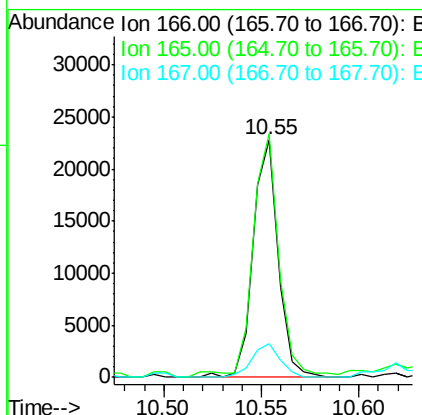
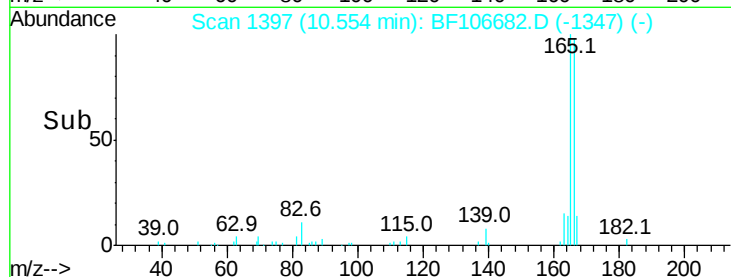
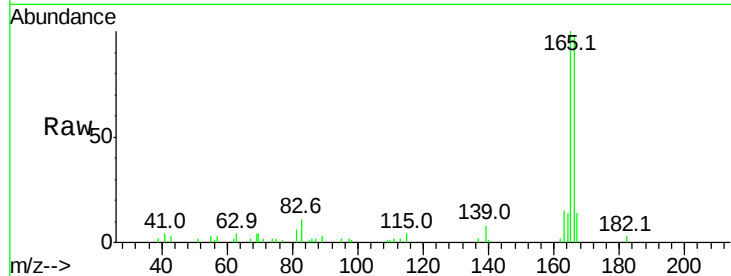
#57
Fluorene
 Concen: 3.134 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.4	79.8	119.8
167	14.1	10.6	16.0

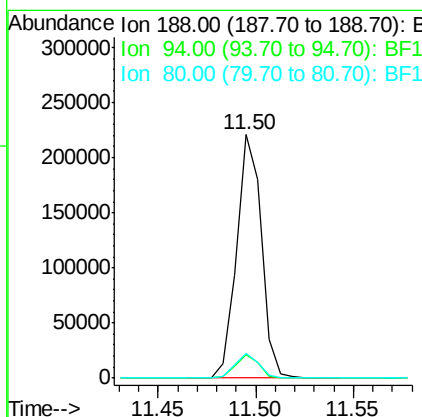
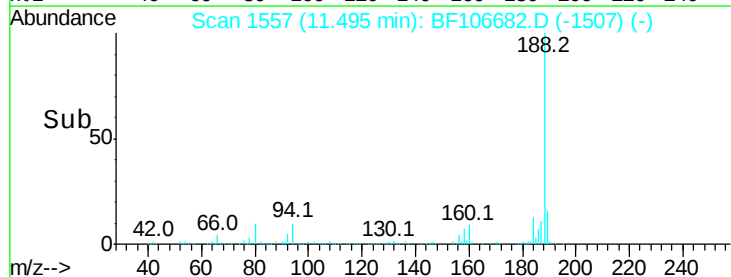
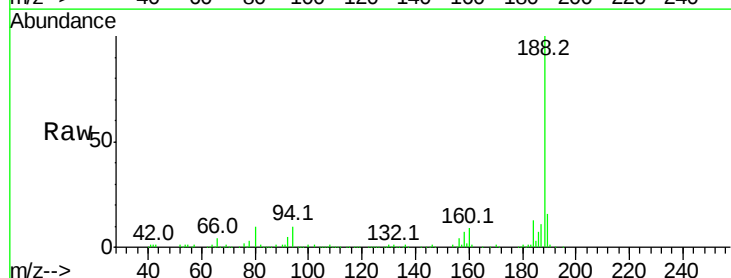
Manual Integrations
 APPROVED

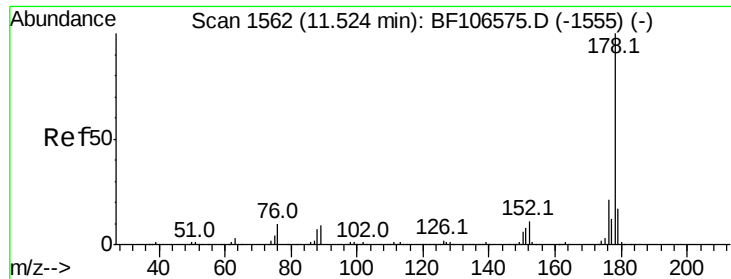
Sohil
 6/22/2018 10:23:36 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.2	9.2	13.8





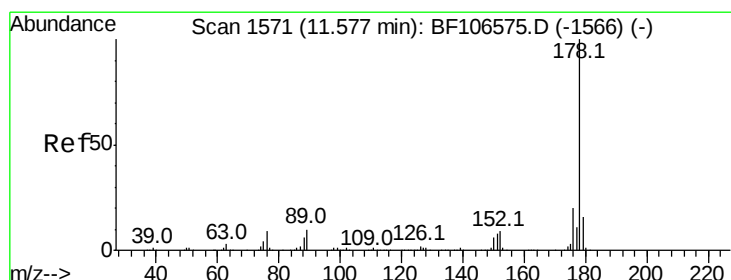
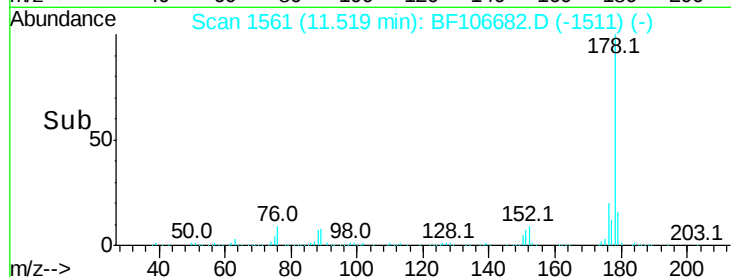
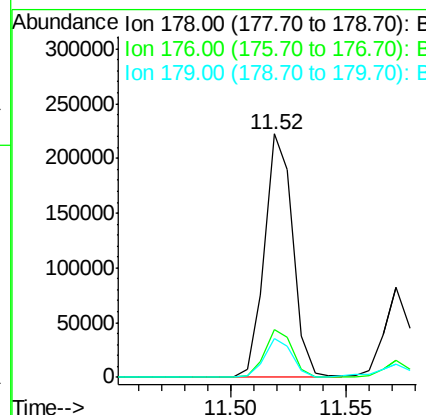
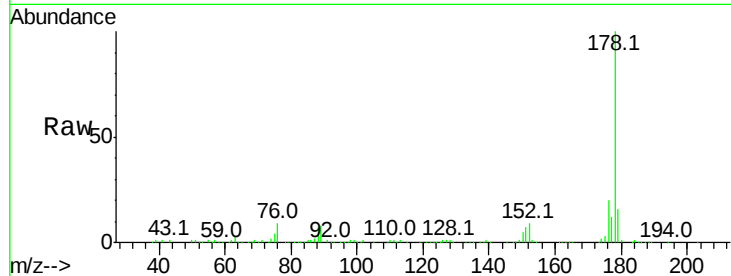
#70
Phenanthrene
Concen: 20.359 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.1	13.0	19.6

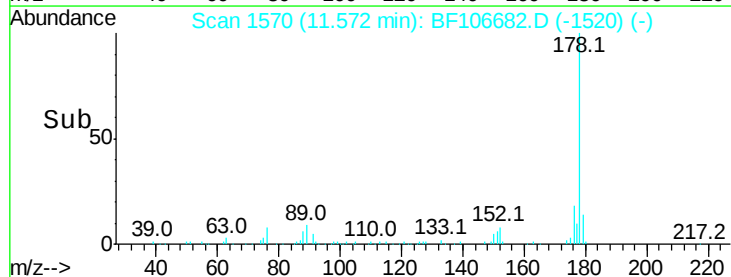
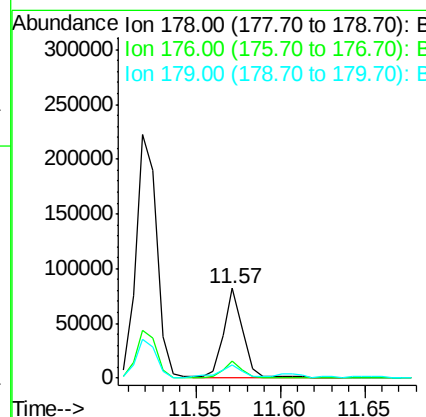
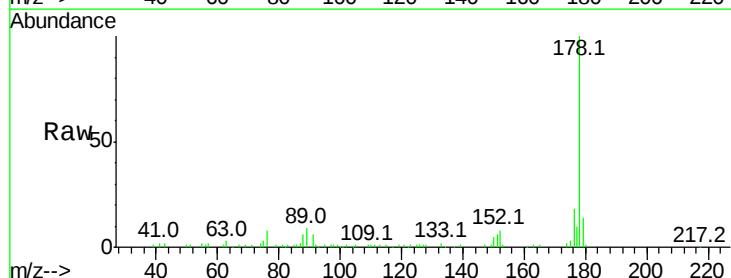
Manual Integrations
APPROVED

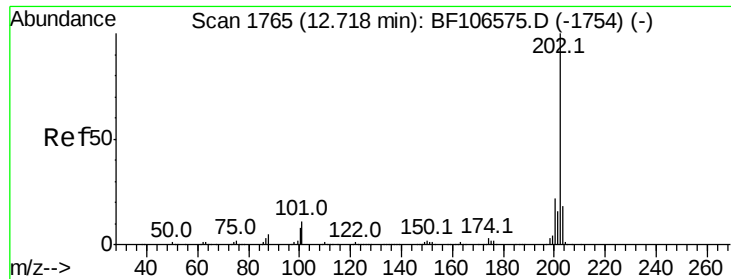
Sohil
6/22/2018 10:23:36 AM



#71
Anthracene
Concen: 6.938 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 22.006 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

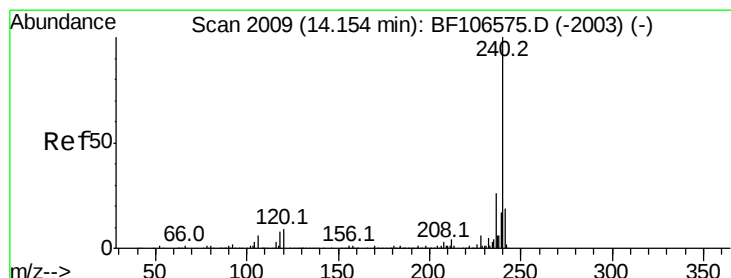
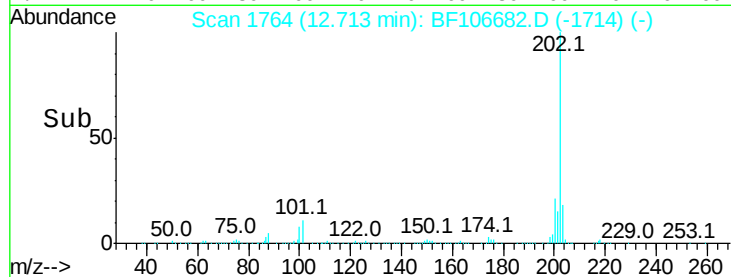
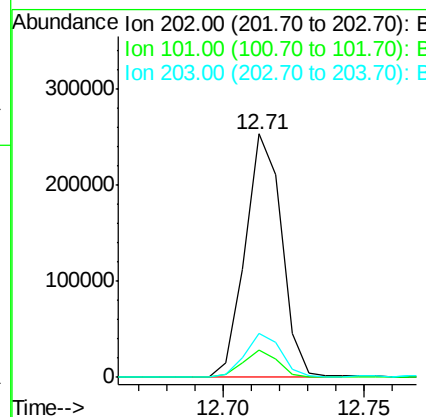
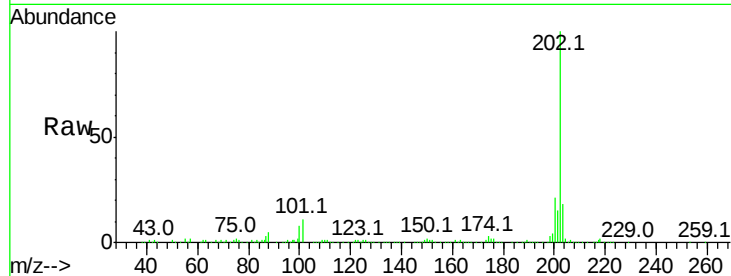
ClientSampleId :

AREA1(S)

Tot Ion:	202	Resp:	227020
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:36 AM



#75

Chrysene-d12

Concen: 20.000 ng

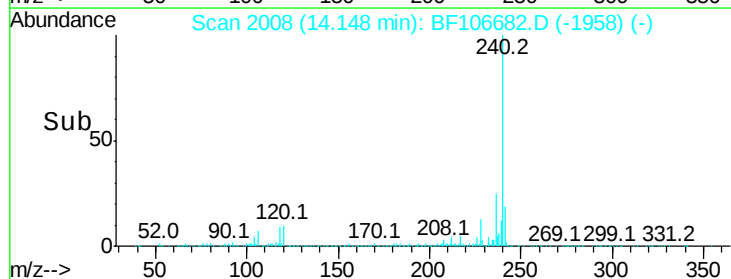
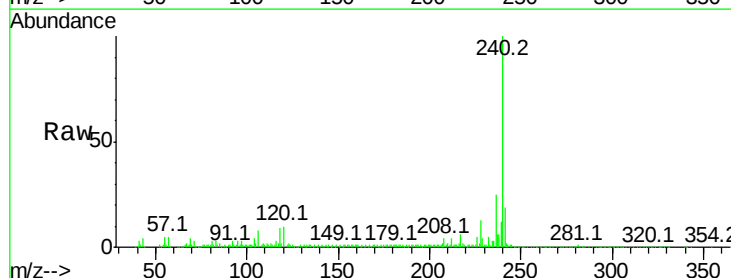
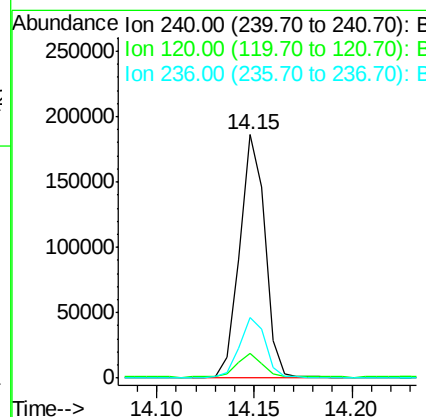
RT: 14.15 min Scan# 2008

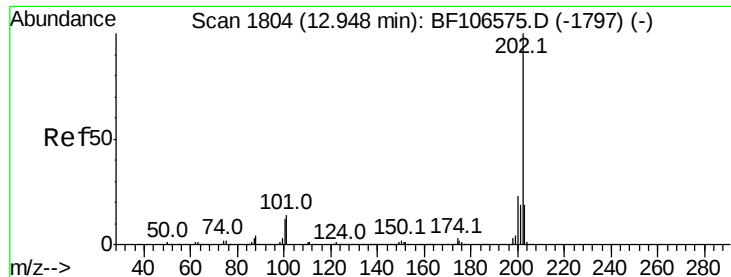
Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Tgt Ion:	240	Resp:	166819
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 18.337 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

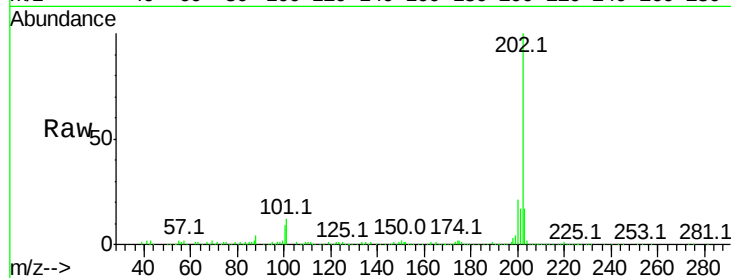
ClientSampleId :

AREA1(S)

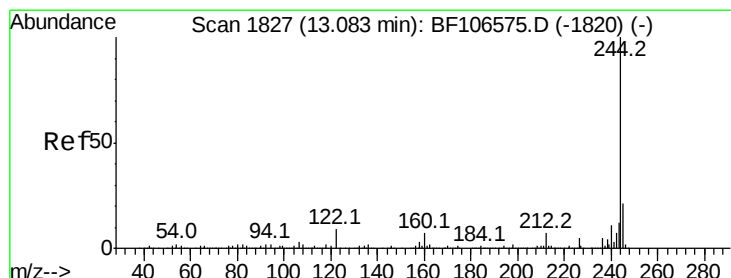
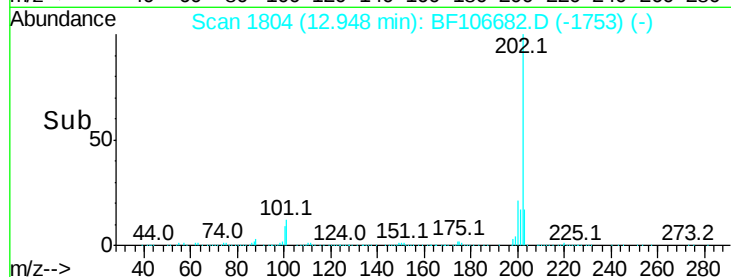
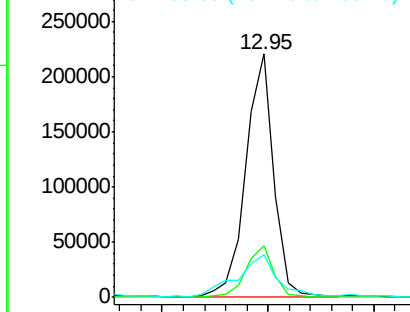
Tot Ion:	202	Resp:	201712
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:36 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: 21.881 ng

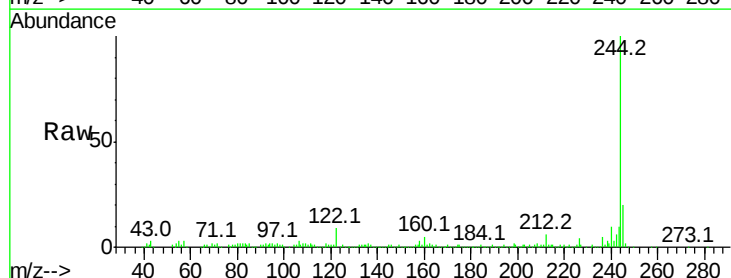
RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

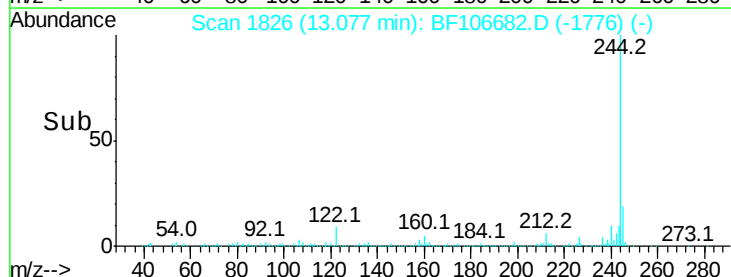
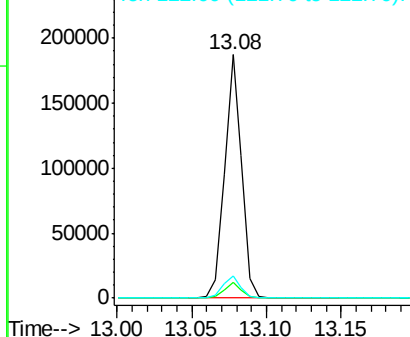
Lab File: BF106682.D

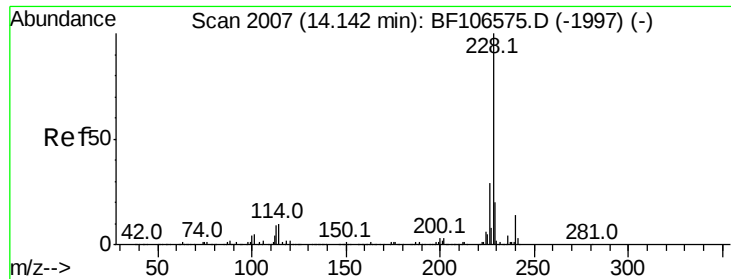
Acq: 22 Jun 2018 00:56

Tgt Ion:	244	Resp:	150690
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.2	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





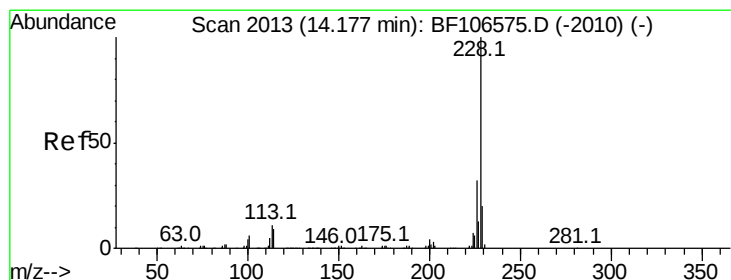
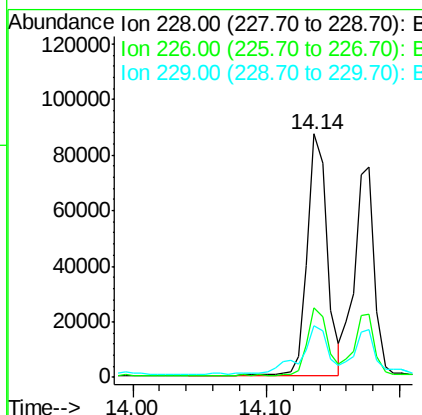
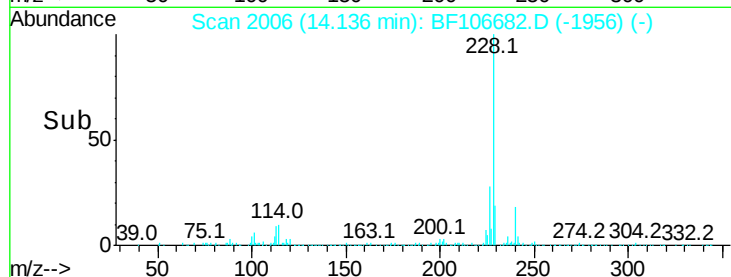
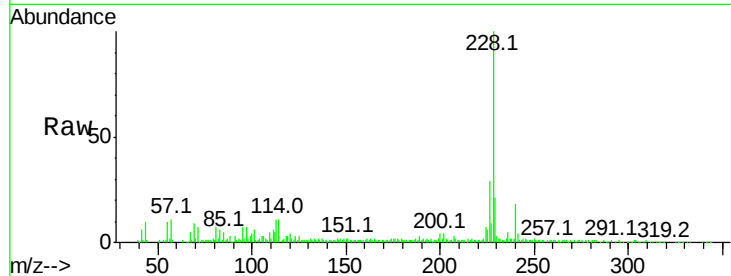
#80
Benzo(a)anthracene
Concen: 8.733 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.4	15.8	23.6

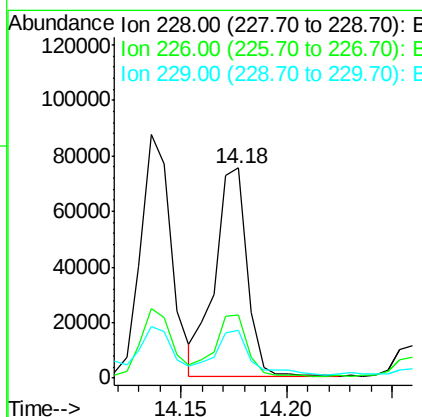
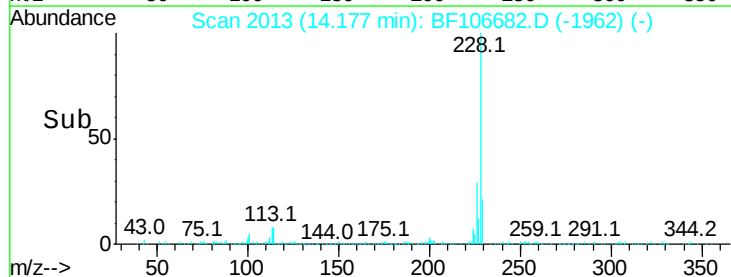
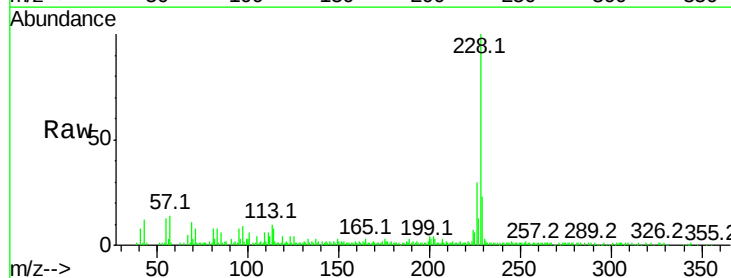
Manual Integrations
APPROVED

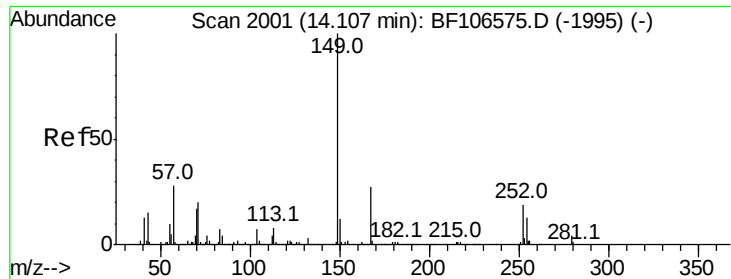
Sohil
6/22/2018 10:23:36 AM



#82
Chrysene
Concen: 8.500 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.8	16.2	24.4





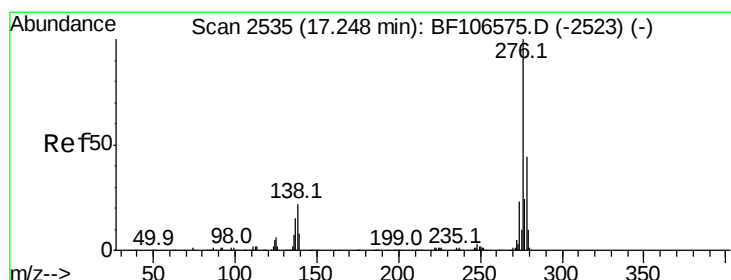
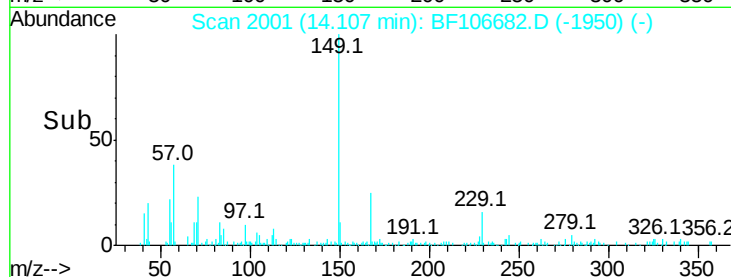
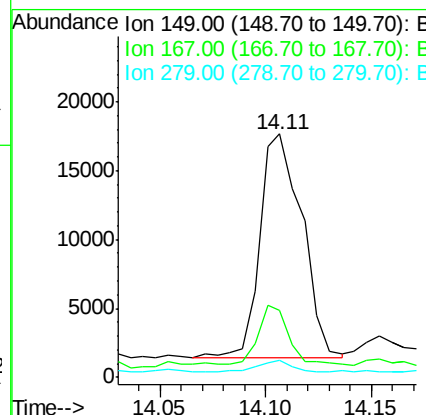
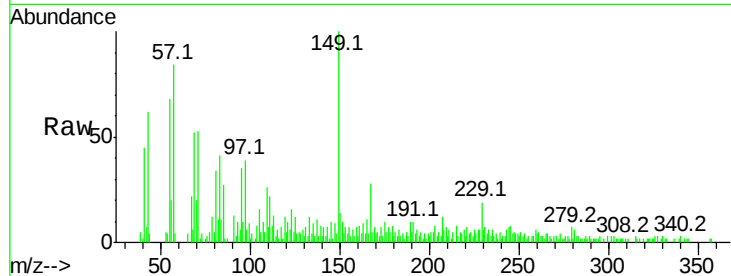
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.925 ng
RT: 14.11 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Resp	Lower	Upper
149	100	22698		
167	27.7		21.3	31.9
279	6.9		3.0	4.4#

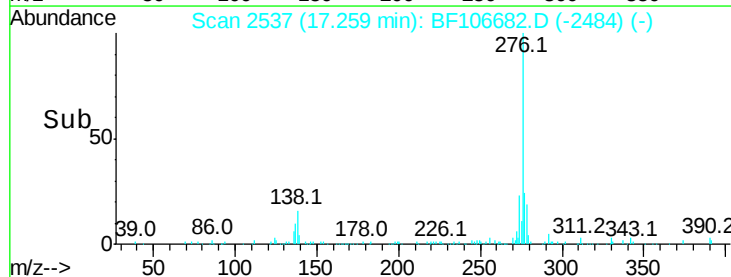
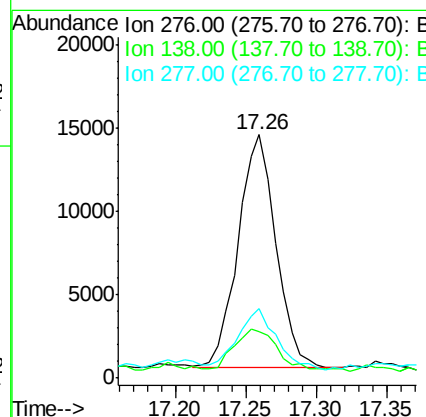
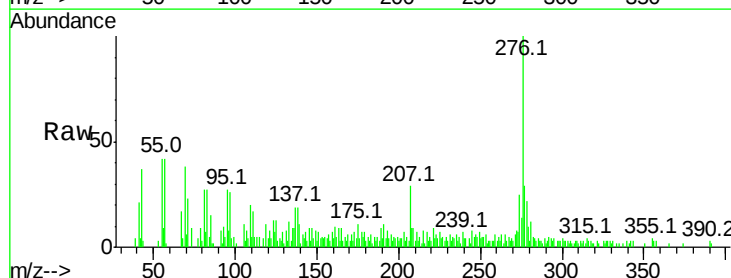
Manual Integrations
APPROVED

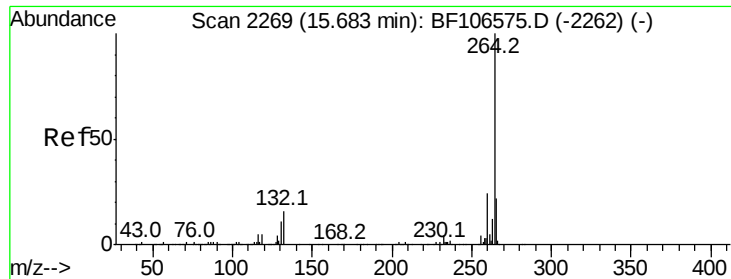
Sohil
6/22/2018 10:23:36 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.311 ng
RT: 17.26 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	26285		
138	18.3		25.0	37.6#
277	26.8		20.1	30.1





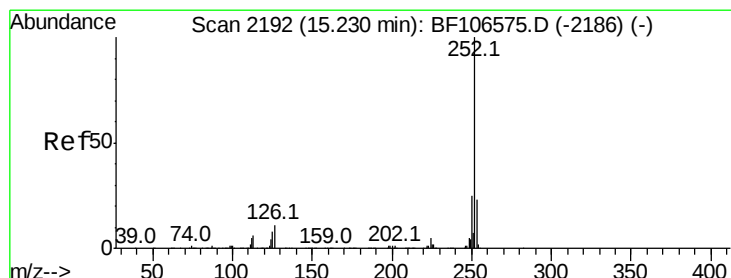
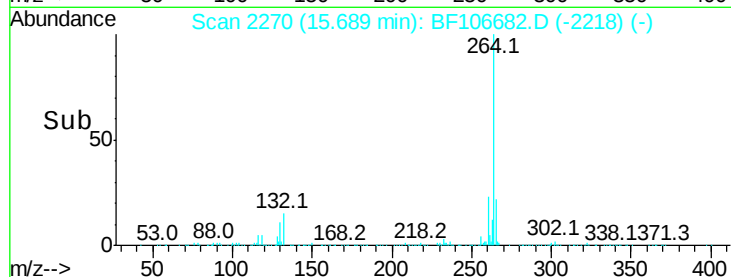
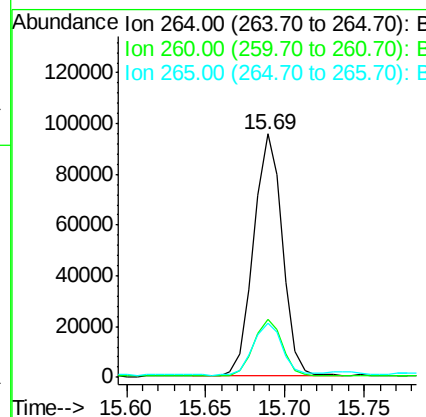
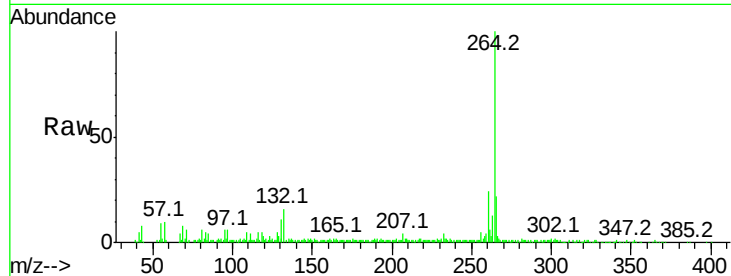
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3

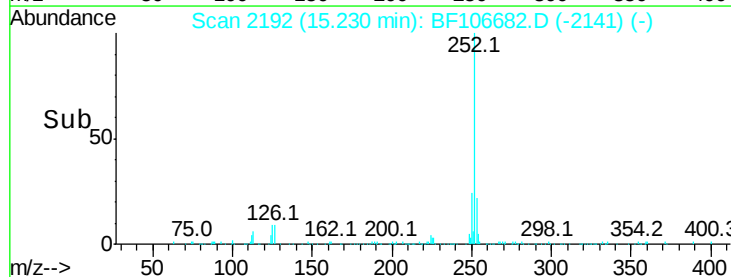
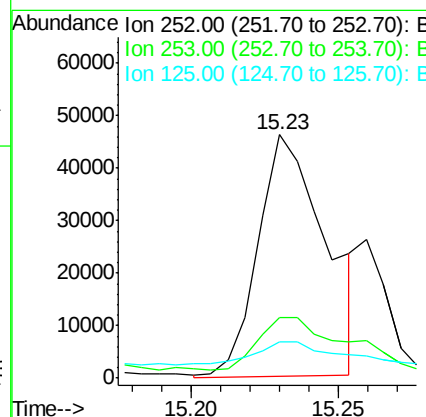
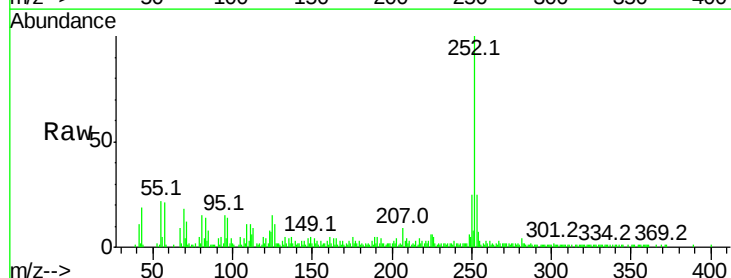
Manual Integrations
APPROVED

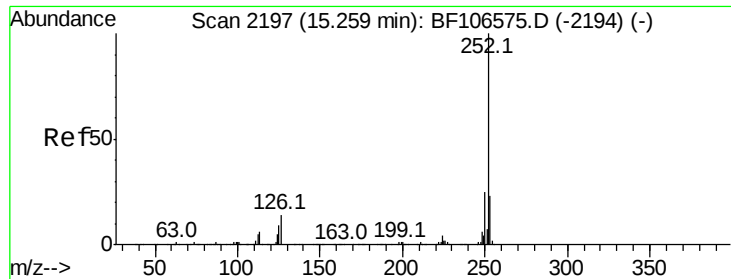
Sohil
6/22/2018 10:23:36 AM



#87
Benzo(b)fluoranthene
Concen: 9.839 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	15.1	9.0	13.6





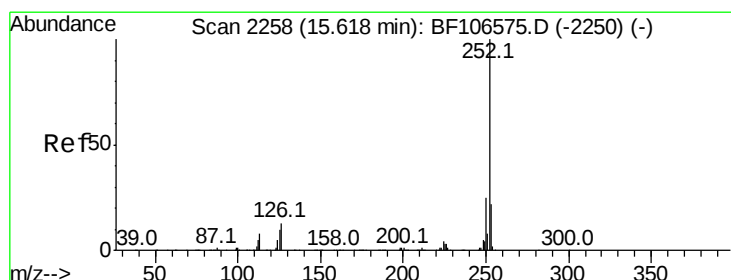
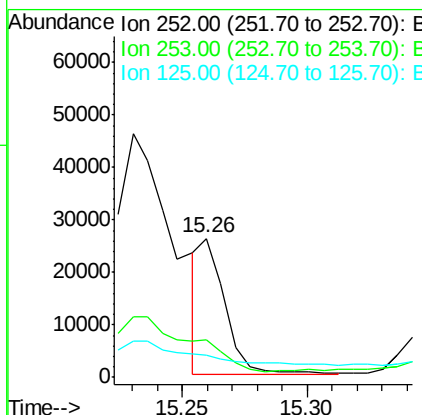
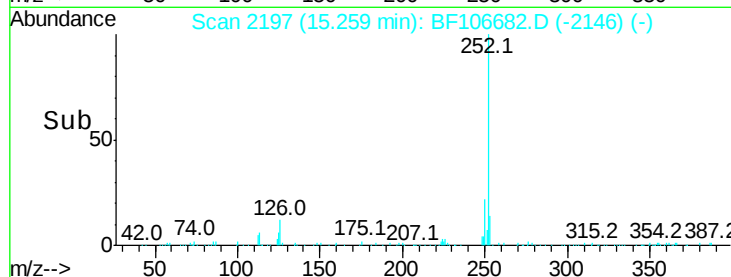
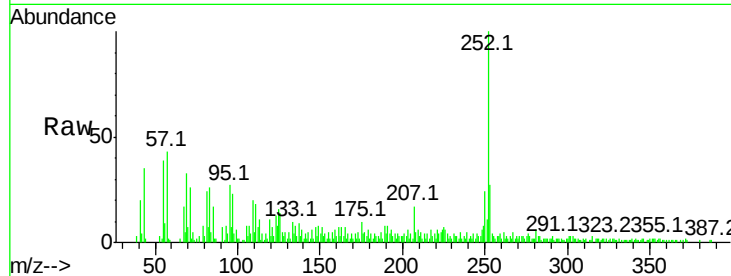
#88
Benzo(k)fluoranthene
Concen: 2.586 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :
AREA1(S)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	16.4	10.2	15.2#

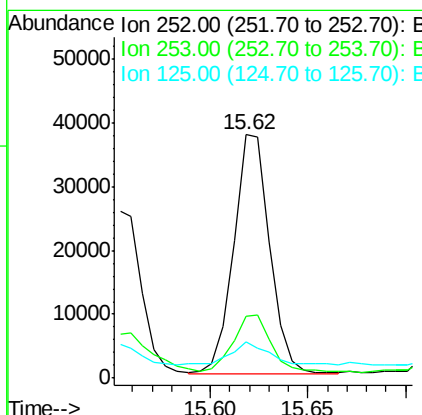
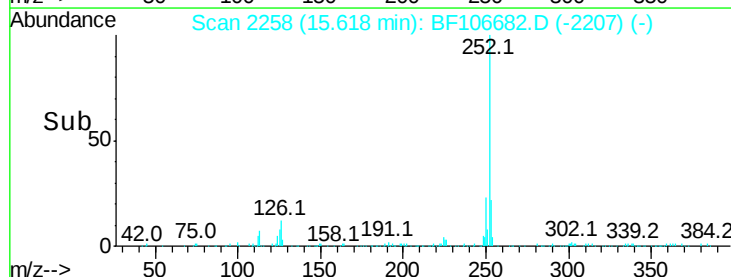
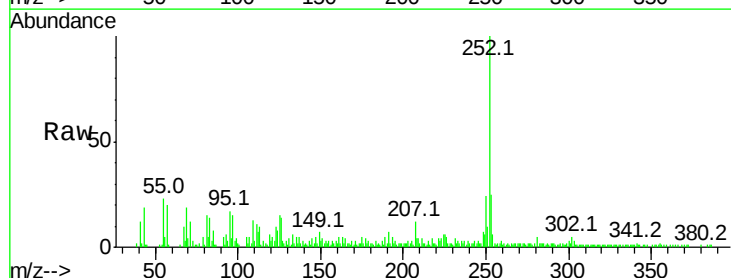
Manual Integrations
APPROVED

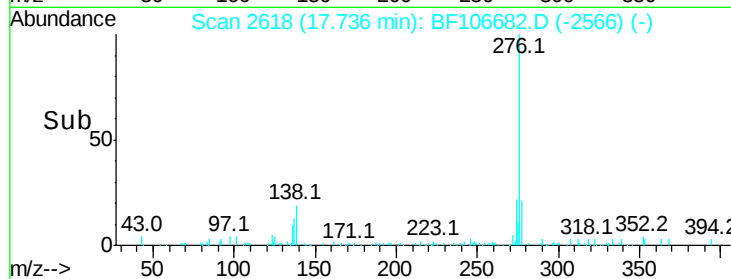
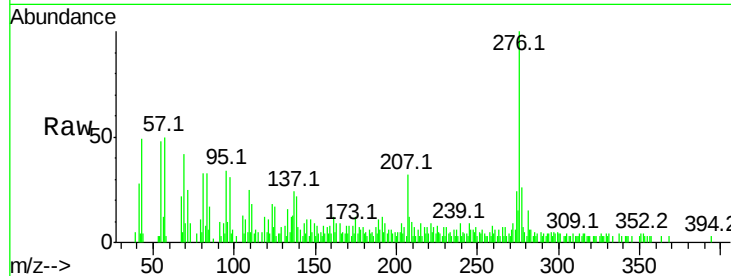
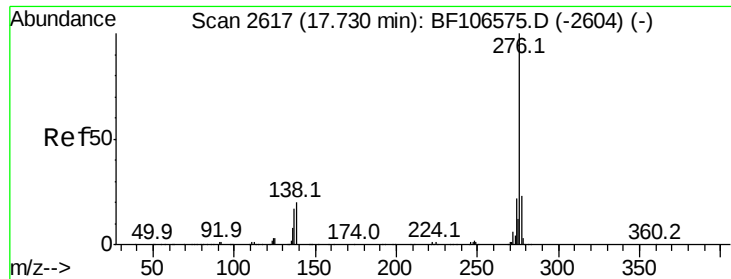
Sohil
6/22/2018 10:23:36 AM



#89
Benzo(a)pyrene
Concen: 7.149 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	14.9	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.843 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. 0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	22.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:36 AM

