

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106681.D
 Acq On : 22 Jun 2018 00:29
 Operator : JU/SJ
 Sample : J3245-13 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-C

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:34 AM

Quant Time: Jun 22 04:13:09 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	60671	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	218871	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	99503	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	189651	20.00	ng	0.00
75) Chrysene-d12	14.15	240	165264	20.00	ng	0.00
86) Perylene-d12	15.68	264	118180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	131495	36.70	ng	0.00
7) Phenol-d6	6.60	99	159417	35.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	91827	23.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	37102	32.17	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	180233	19.25	ng	-0.01
78) Terphenyl-d14	13.08	244	214537	31.44	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	21289	2.853	ng	100
70) Phenanthrene	11.52	178	36333	3.972	ng	98
74) Fluoranthene	12.71	202	151271	15.004	ng	96
77) Pyrene	12.94	202	160631	14.739	ng	99
80) Benzo(a)anthracene	14.14	228	76471m	7.592	ng	
82) Chrysene	14.17	228	76729m	8.280	ng	
85) Indeno(1,2,3-cd)pyrene	17.25	276	39118	4.974	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	84824m	11.554	ng	
88) Benzo(k)fluoranthene	15.25	252	20216m	2.892	ng	
89) Benzo(a)pyrene	15.62	252	59036	9.046	ng	95
91) Benzo(g,h,i)perylene	17.74	276	43602	8.065	ng	# 92

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

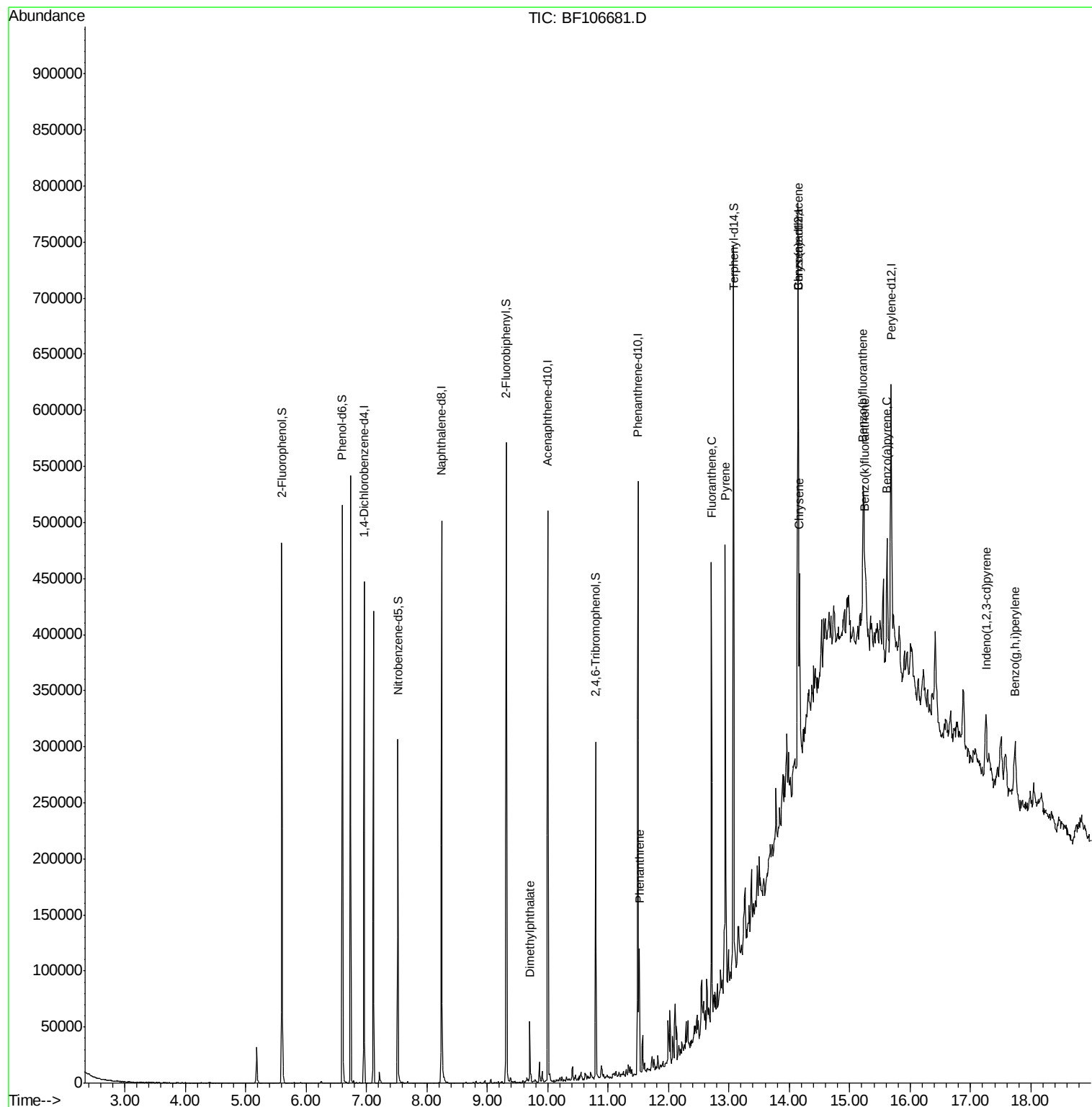
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106681.D
Acq On : 22 Jun 2018 00:29
Operator : JU/SJ
Sample : J3245-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

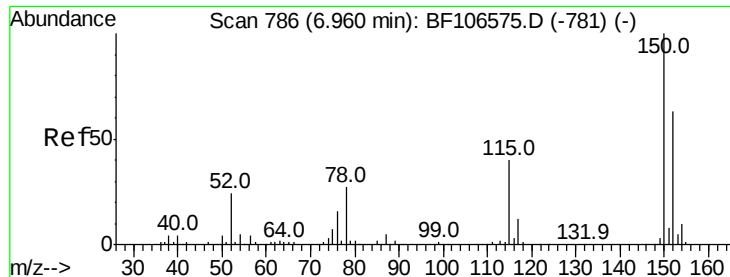
Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Quant Time: Jun 22 04:13:09 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

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM





#1

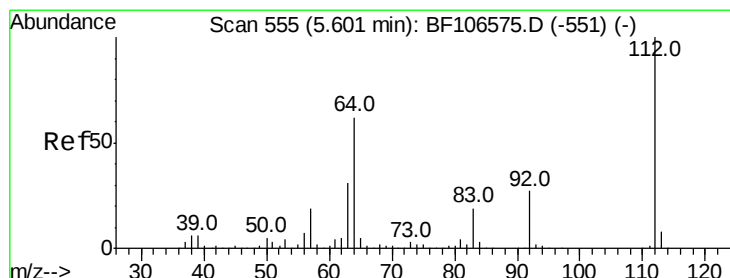
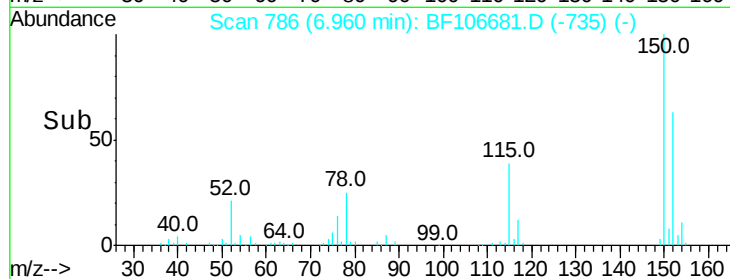
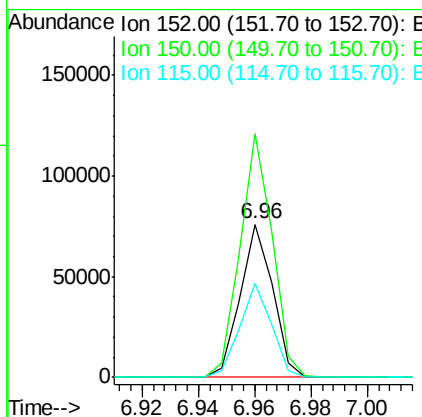
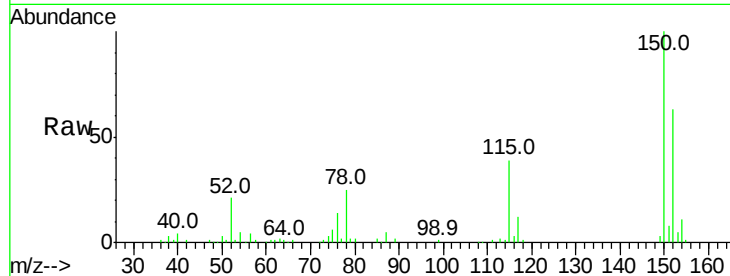
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	61.5	50.1	75.1

Manual Integrations
APPROVED

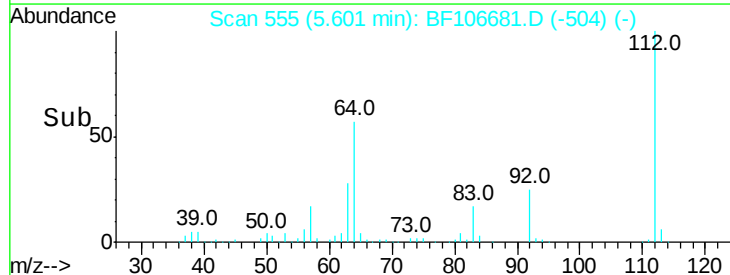
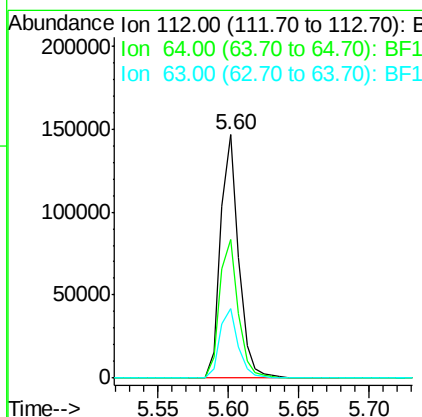
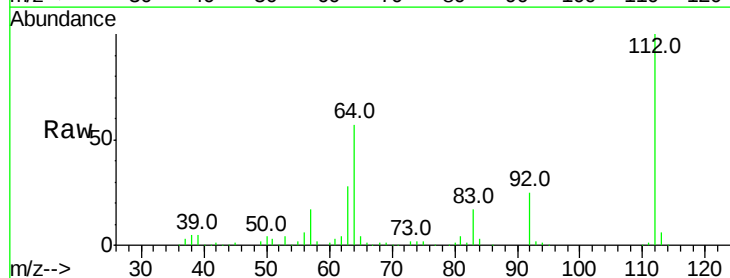
Sohil
6/22/2018 10:23:34 AM

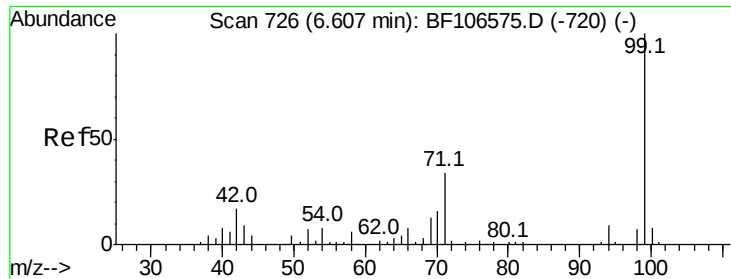


#5

2-Fluorophenol
Concen: 36.700 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 35.628 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

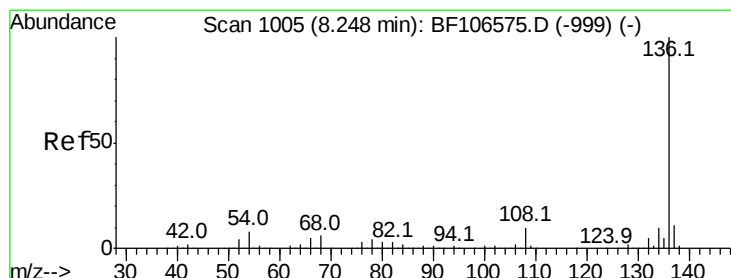
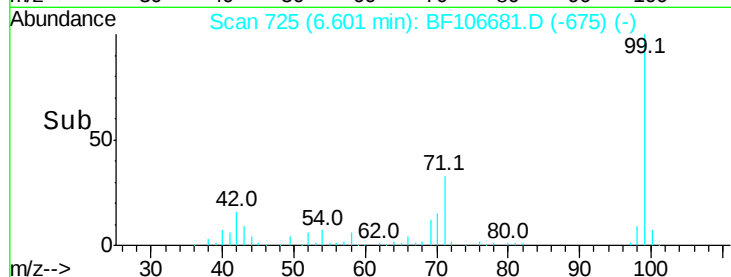
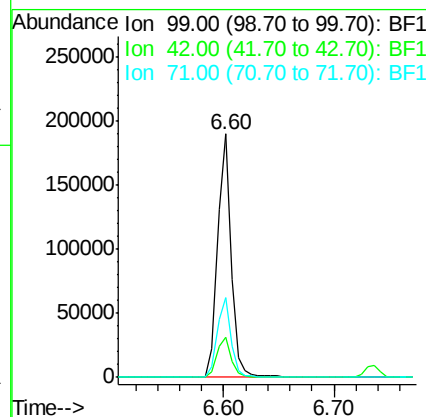
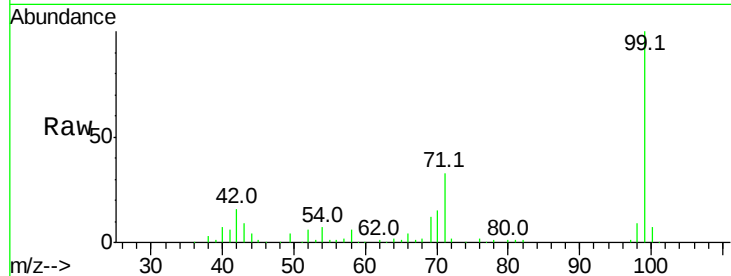
ClientSampleId :

CL-02-061918-C

Tot Ion:	99	Resp:	159417
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM



#21

Naphthalene-d8

Concen: 20.000 ng

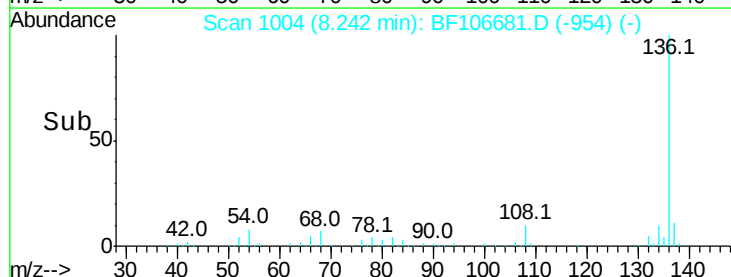
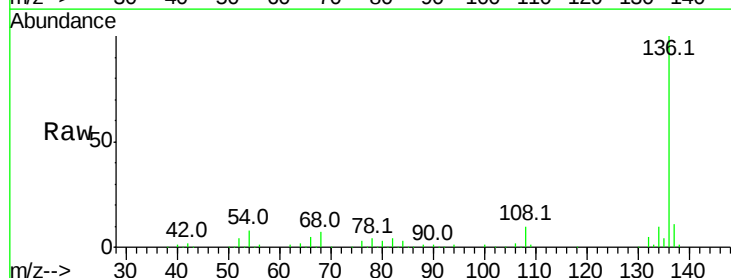
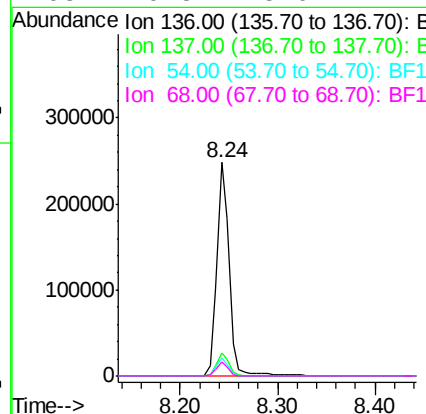
RT: 8.24 min Scan# 1004

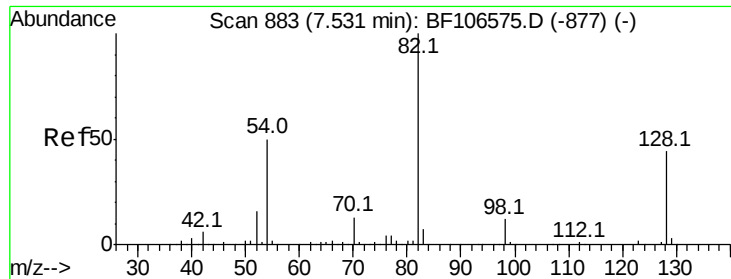
Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Tgt Ion:	136	Resp:	218871
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	6.8	5.0	7.4





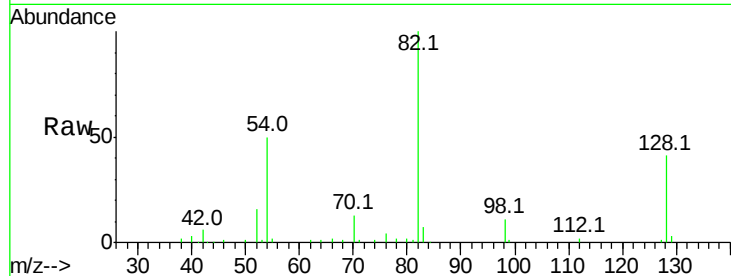
#23
Nitrobenzene-d5
Concen: 23.316 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

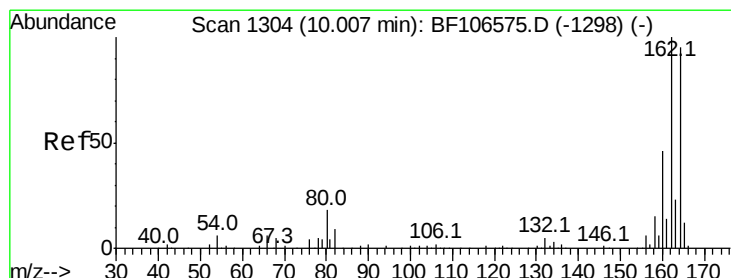
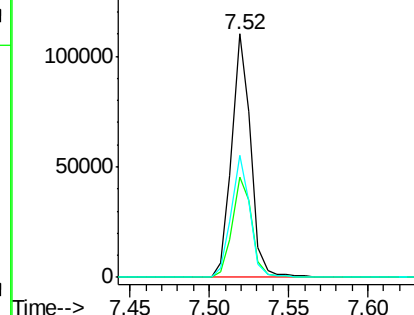
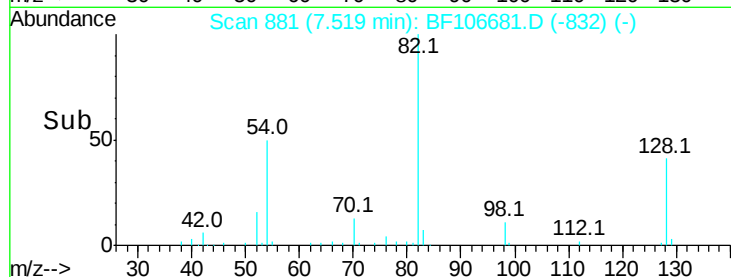
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	50.3	41.4	62.2

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM

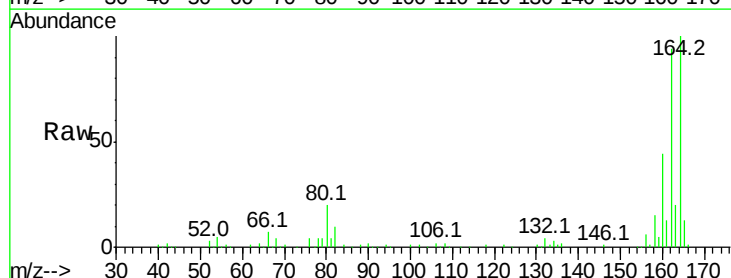


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

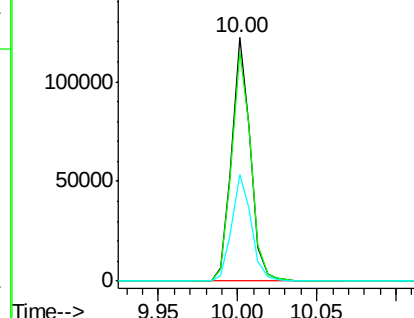
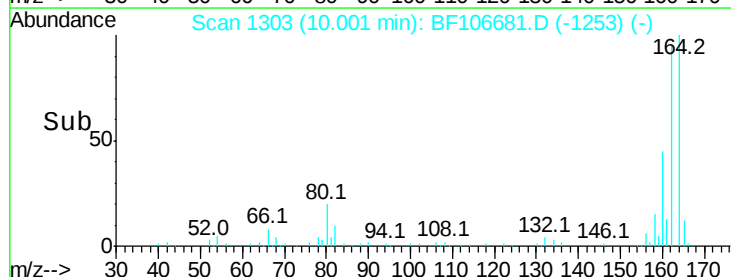


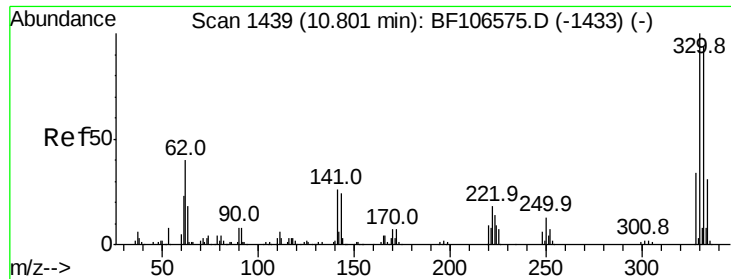
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.3	86.1	129.1
160	43.7	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





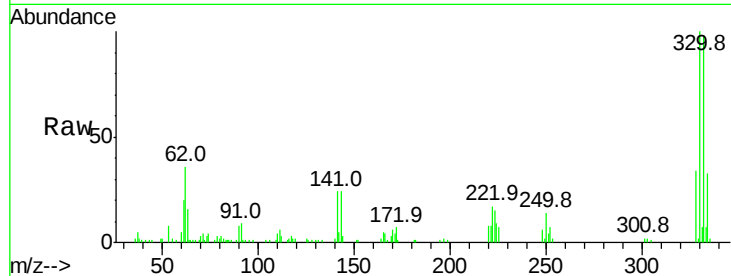
#41
 2,4,6-Tribromophenol
 Concen: 32.171 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-C

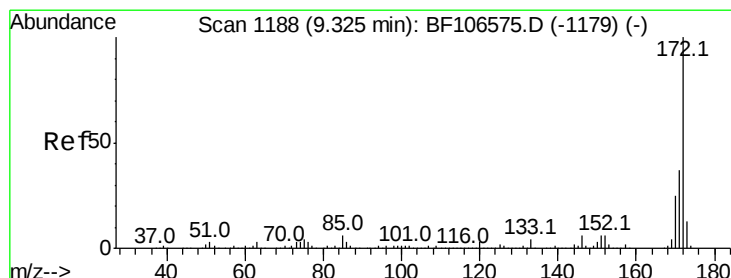
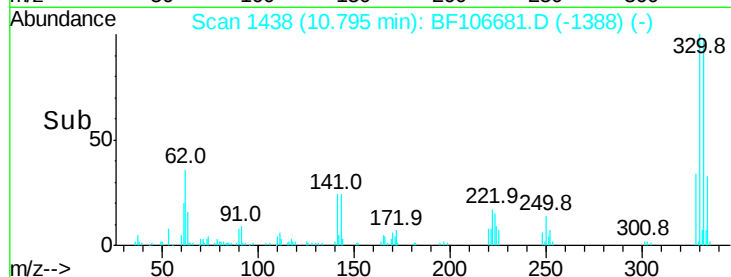
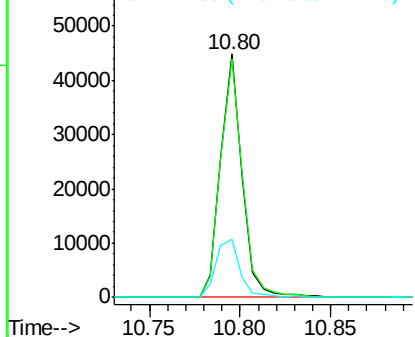
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.0	115.6
141	26.9	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:34 AM



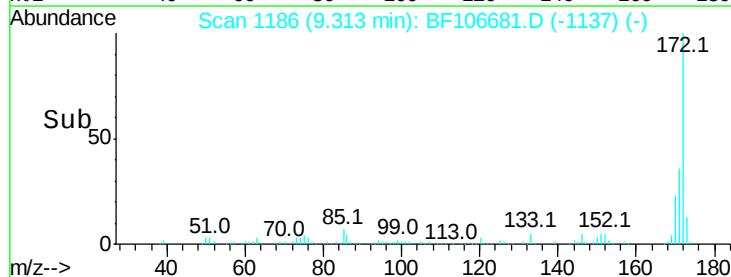
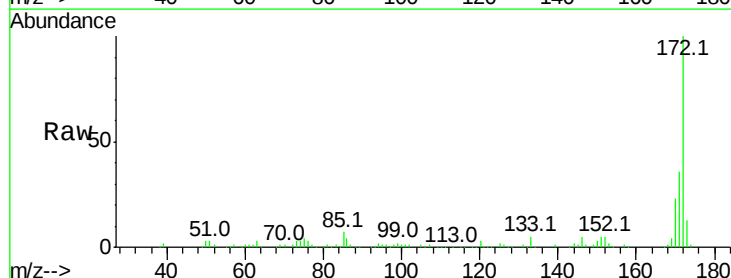
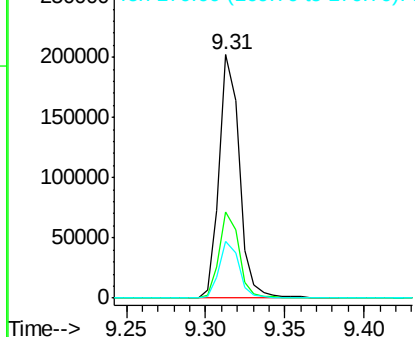
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

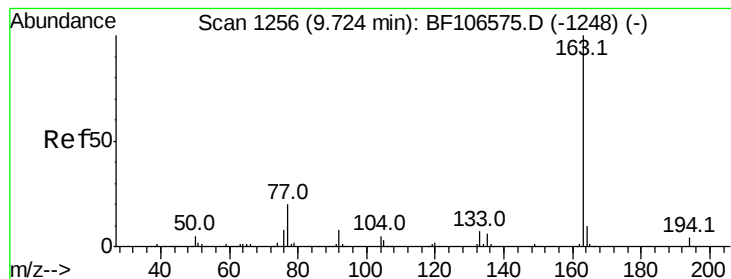


#44
 2-Fluorobiphenyl
 Concen: 19.248 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.3	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: 2.853 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

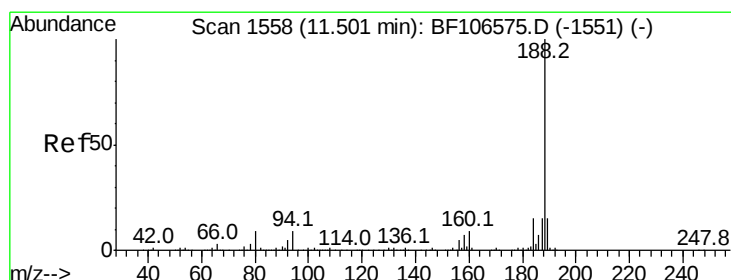
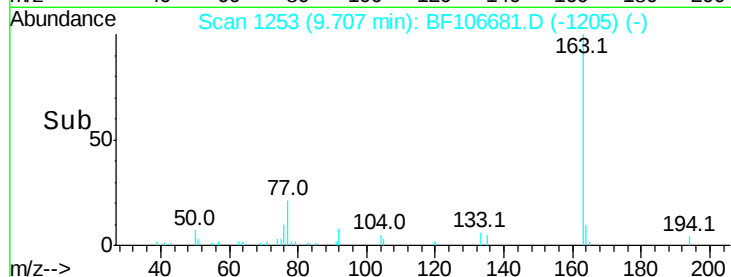
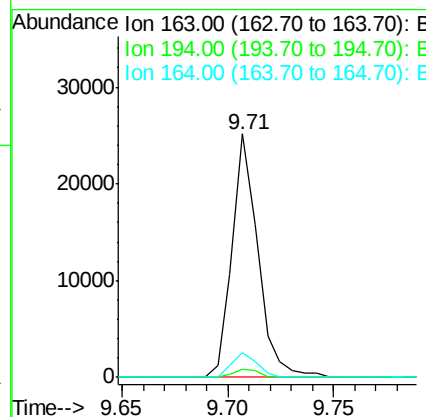
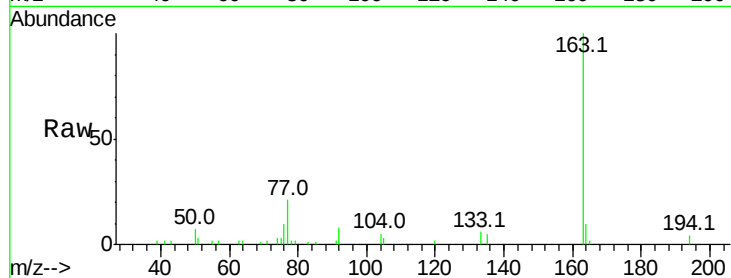
ClientSampleId :

CL-02-061918-C

Tot Ion:	163	Resp:	21289
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.3	8.2	12.2

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

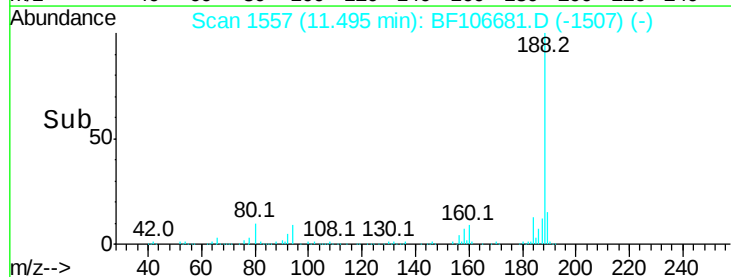
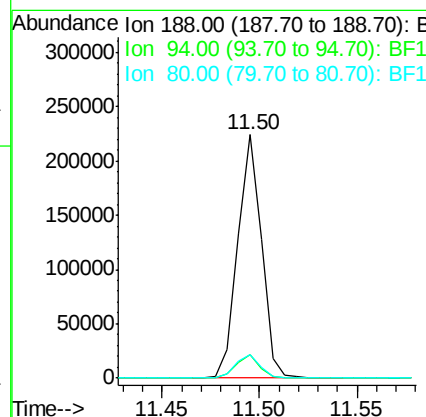
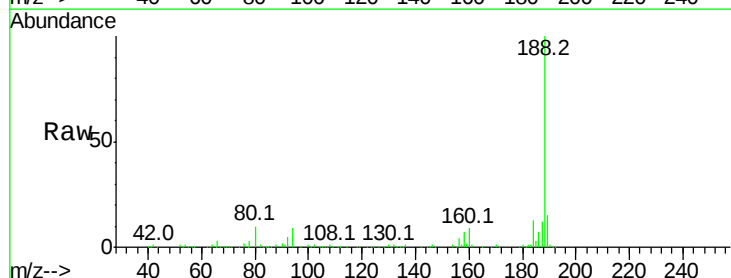
RT: 11.50 min Scan# 1557

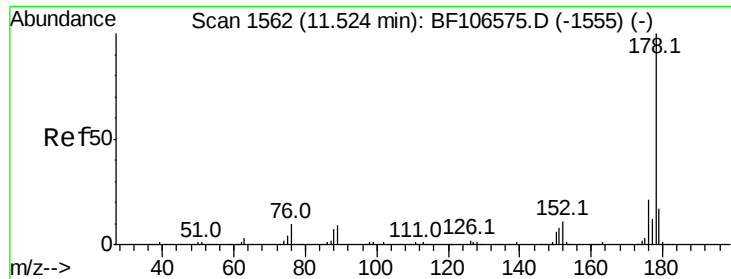
Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Tgt Ion:	188	Resp:	189651
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	9.6	9.2	13.8





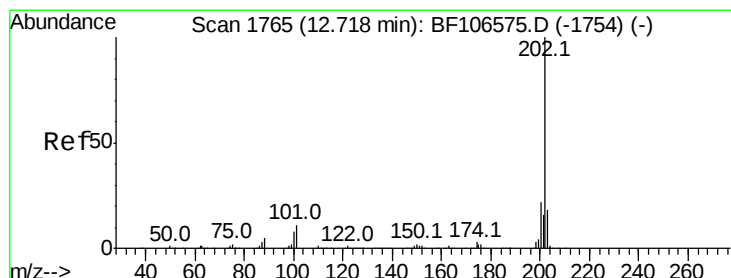
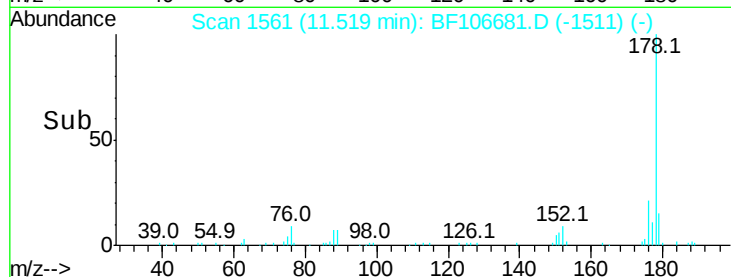
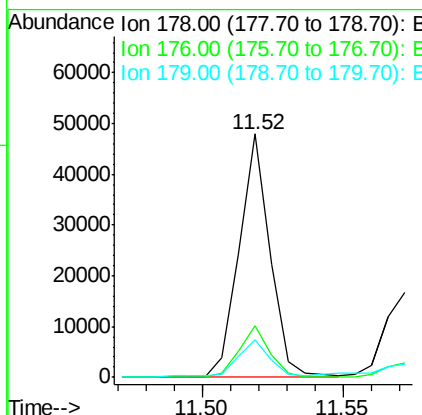
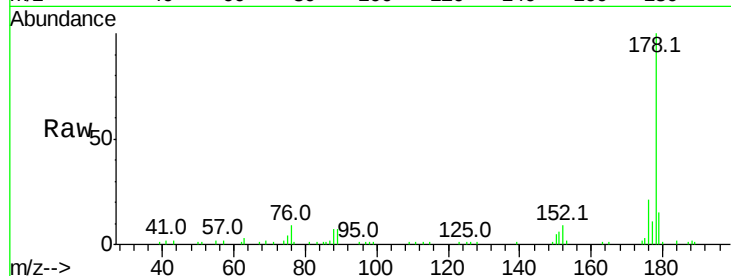
#70
Phenanthrene
Concen: 3.972 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.8
179	15.5	13.0	19.6

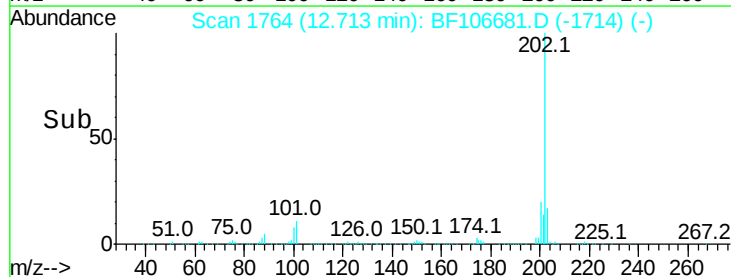
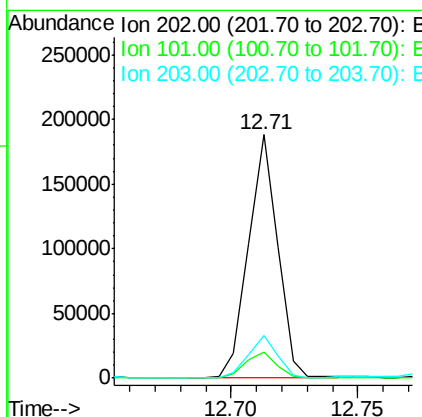
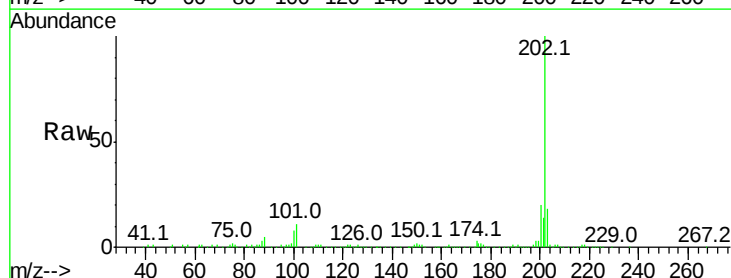
Manual Integrations
APPROVED

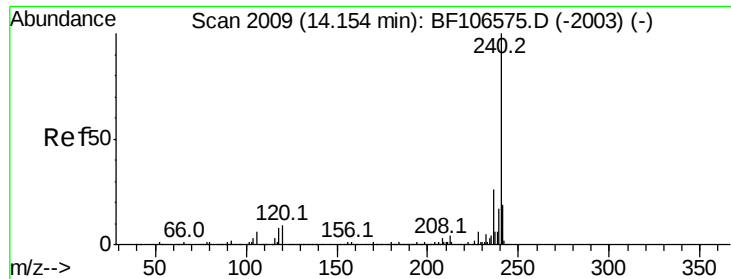
Sohil
6/22/2018 10:23:34 AM



#74
Fluoranthene
Concen: 15.004 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

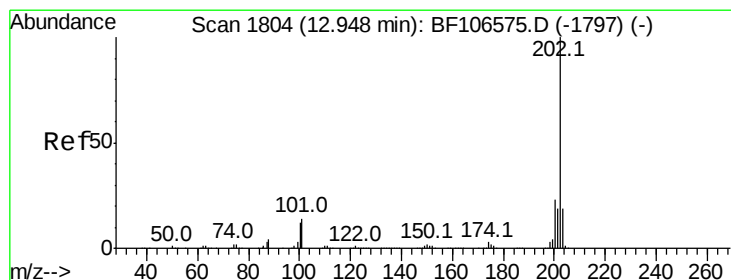
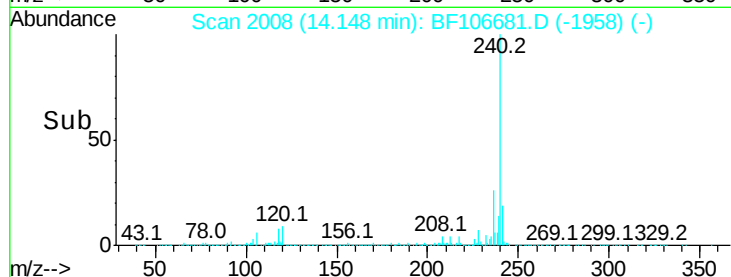
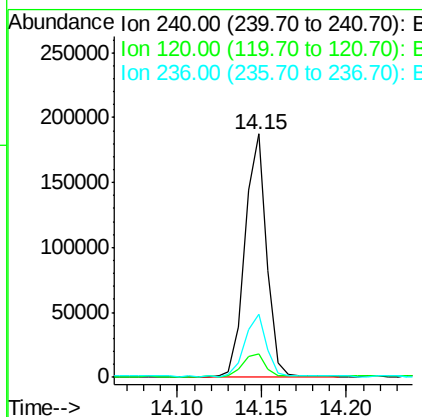
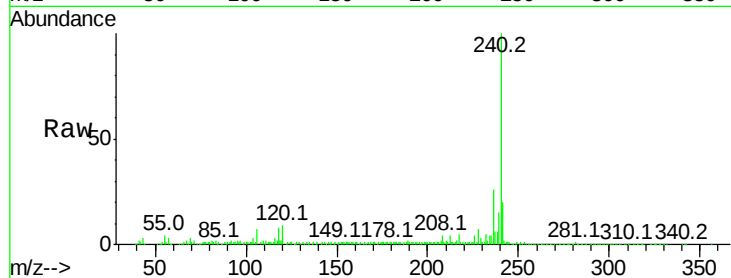
ClientSampleId :

CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.9	20.7	31.1

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM



#77

Pyrene

Concen: 14.739 ng

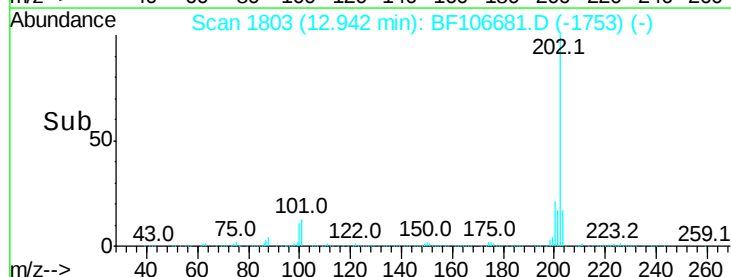
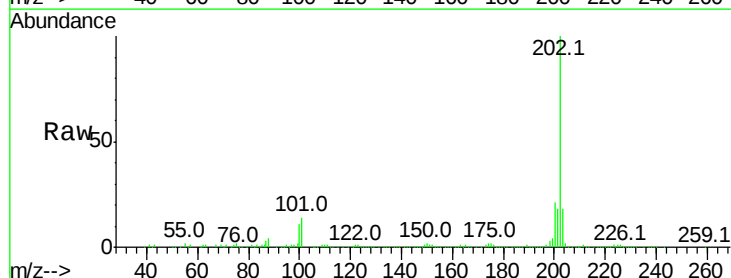
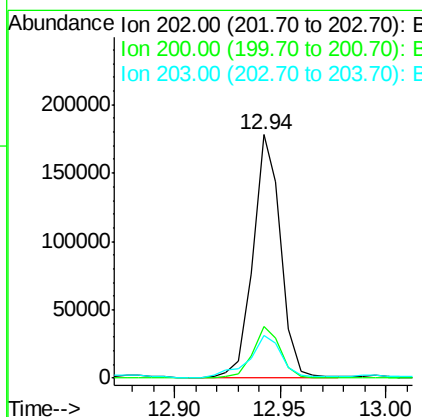
RT: 12.94 min Scan# 1803

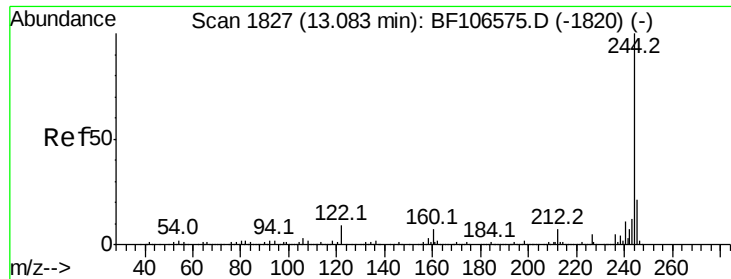
Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5





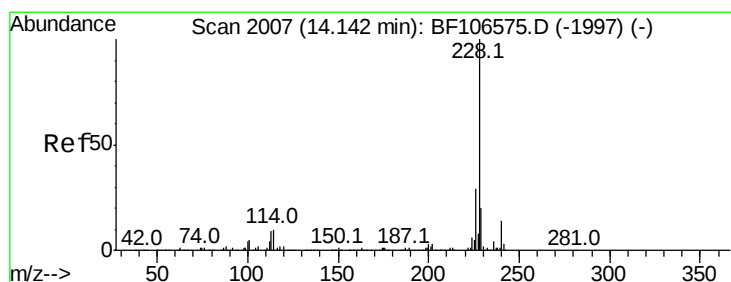
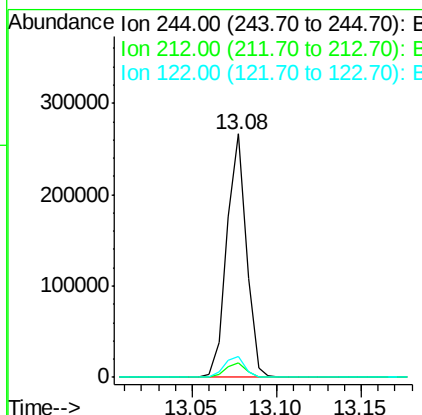
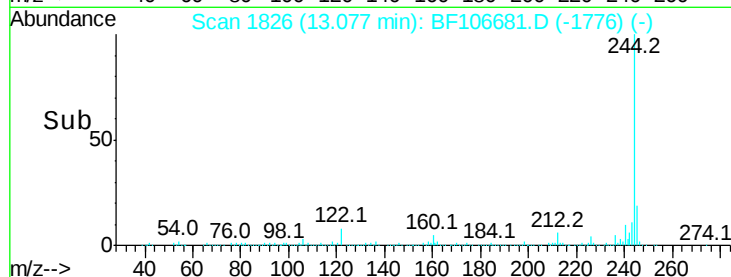
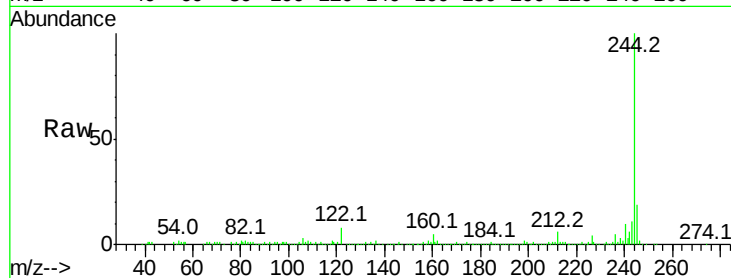
#78
 Terphenyl-d14
 Concen: 31.445 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.5	11.0	16.4

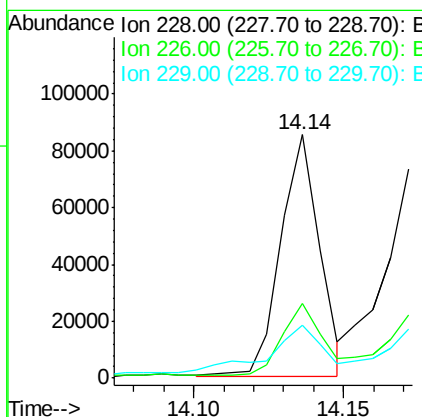
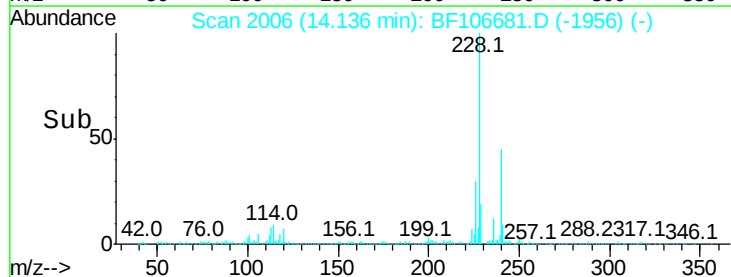
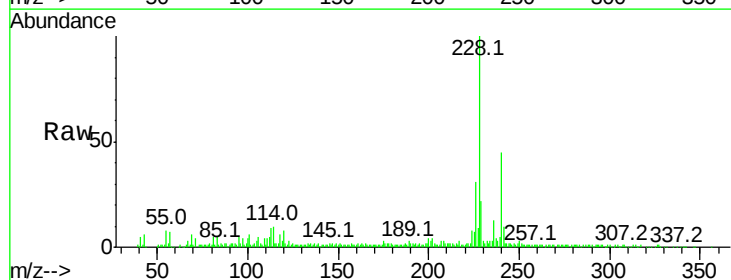
Manual Integrations
 APPROVED

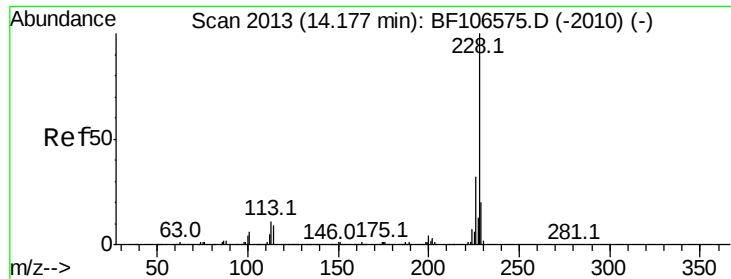
Sohil
 6/22/2018 10:23:34 AM



#80
 Benzo(a)anthracene
 Concen: 7.592 ng m
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106681.D
 Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	21.9	15.8	23.6





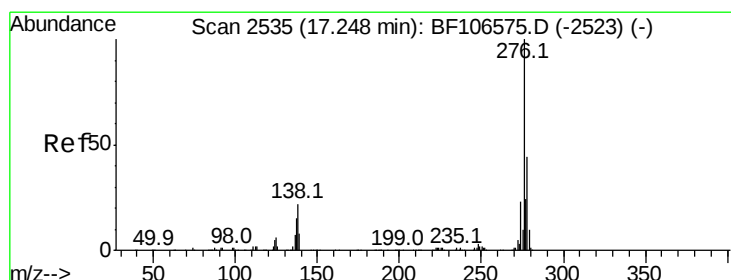
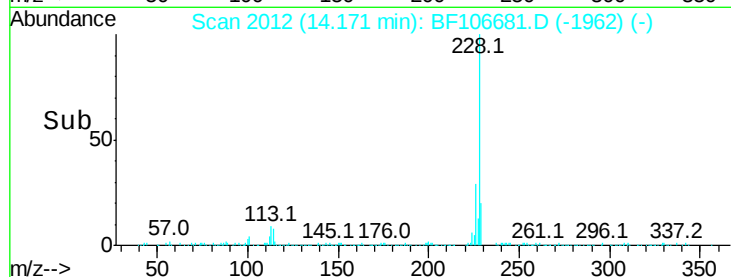
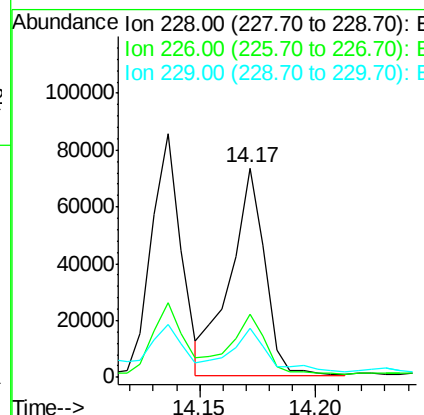
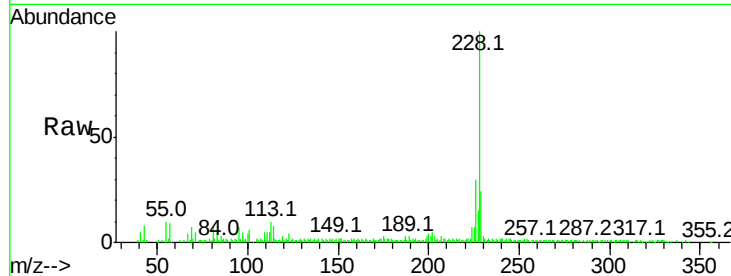
#82
Chrysene
Concen: 8.280 ng/ml
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	23.6	16.2	24.4

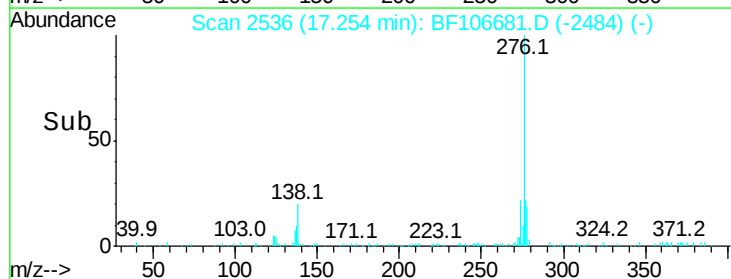
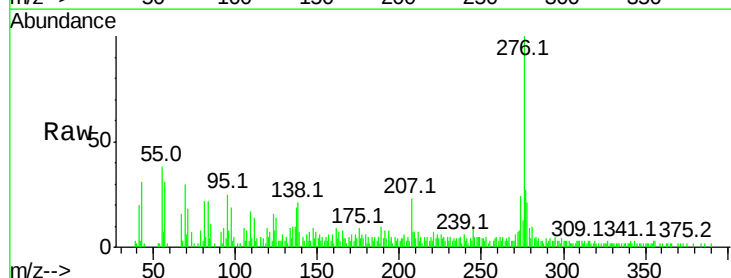
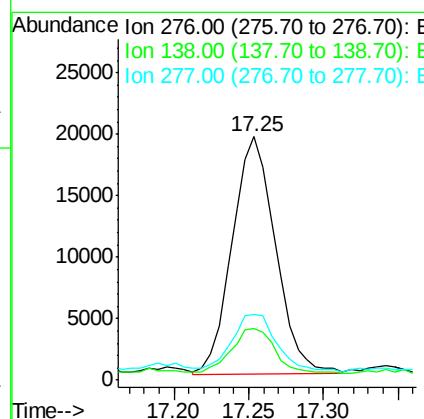
Manual Integrations
APPROVED

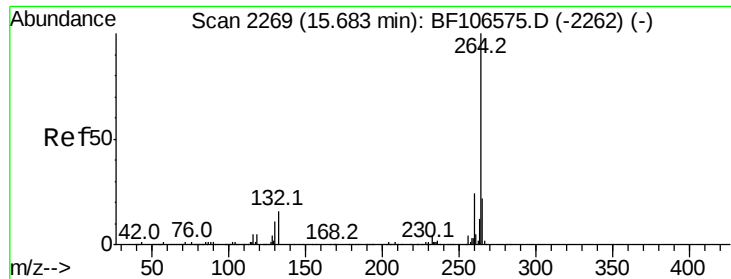
Sohil
6/22/2018 10:23:34 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.974 ng
RT: 17.25 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	25.2	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Instrument :

BNA_F

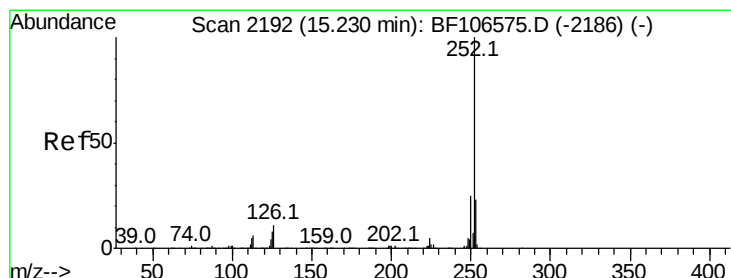
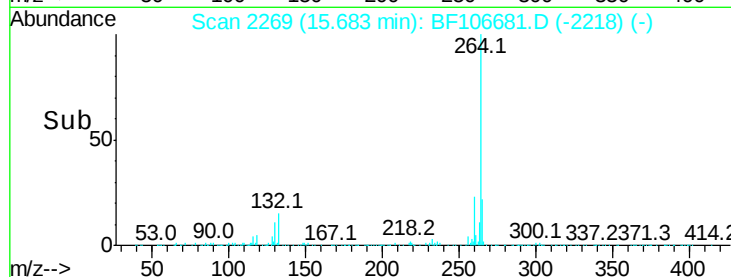
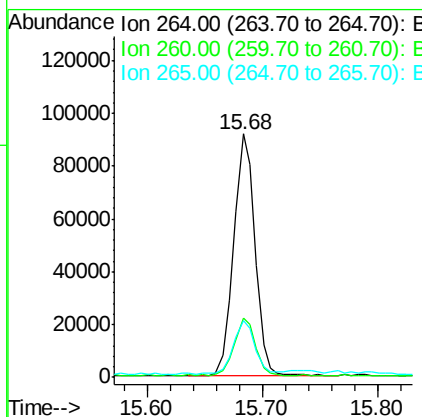
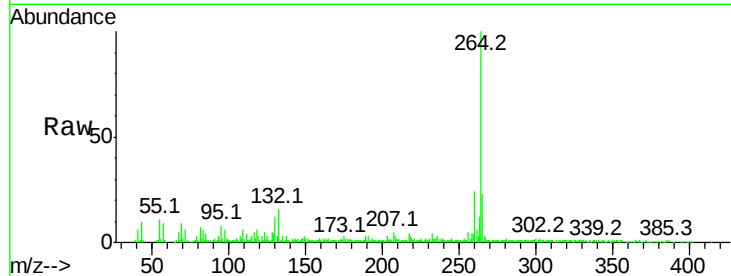
ClientSampleId :

CL-02-061918-C

Tot Ion:	264	Resp:	118180
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.2	17.5	26.3

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM



#87

Benzo(b)fluoranthene

Concen: 11.554 ng m

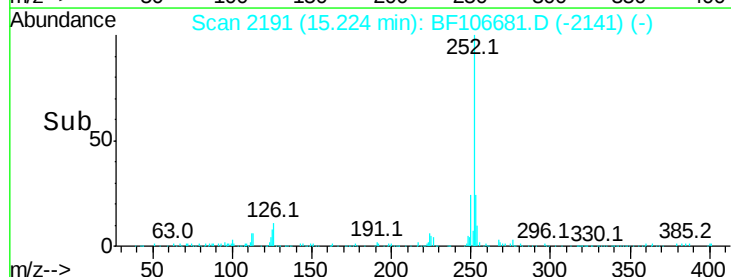
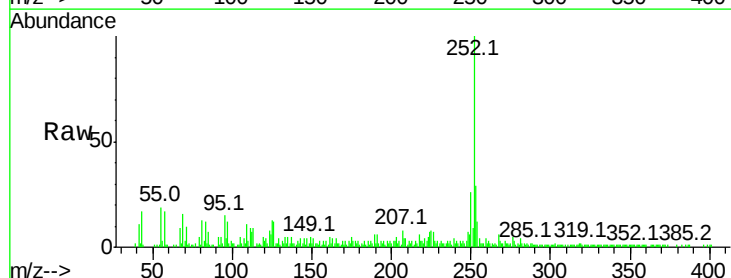
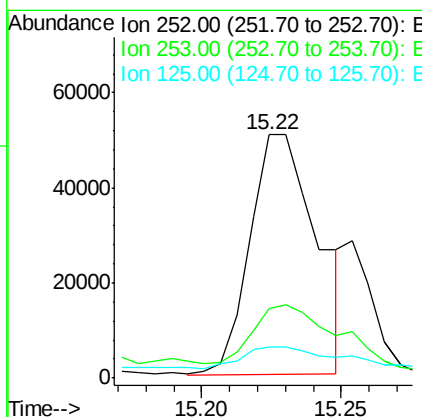
RT: 15.22 min Scan# 2191

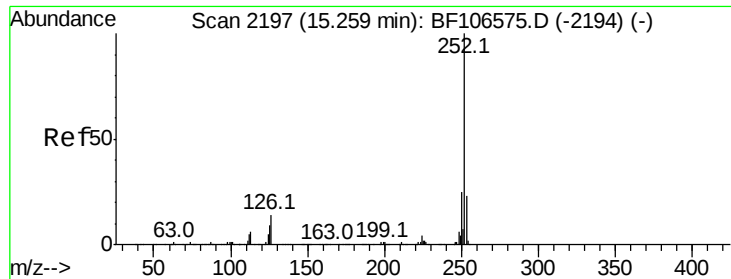
Delta R.T. -0.01 min

Lab File: BF106681.D

Acq: 22 Jun 2018 00:29

Tgt Ion:	252	Resp:	84824
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.0	25.6#
125	12.7	9.0	13.6





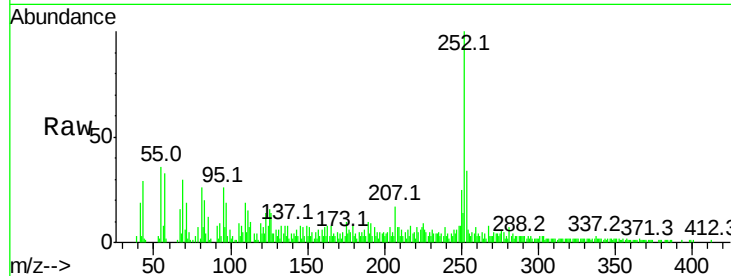
#88
Benzo(k)fluoranthene
Concen: 2.892 ng/mL
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.9	26.9
125	16.5	10.2	15.2

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM

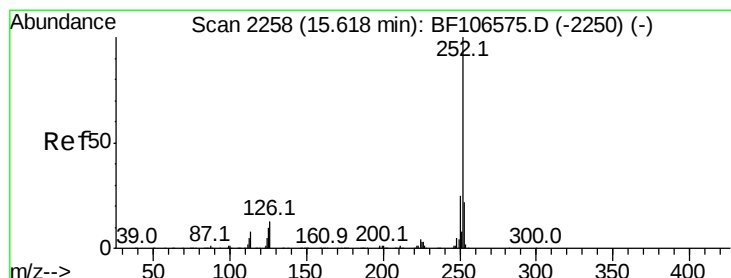
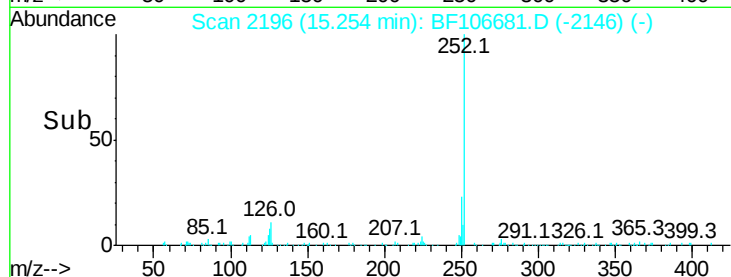
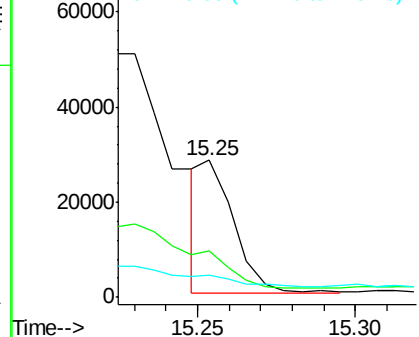


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 9.046 ng/mL
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

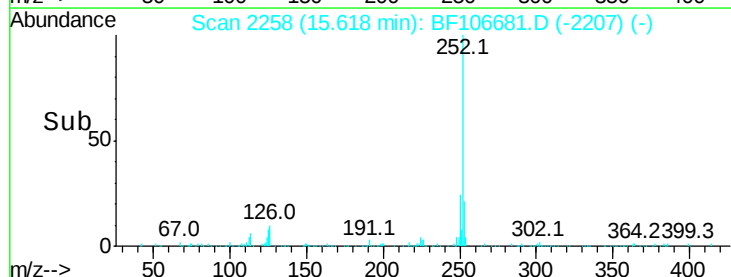
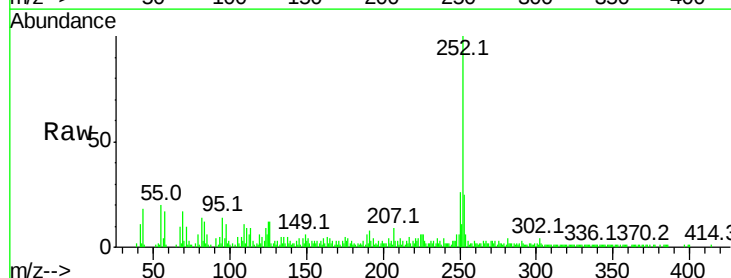
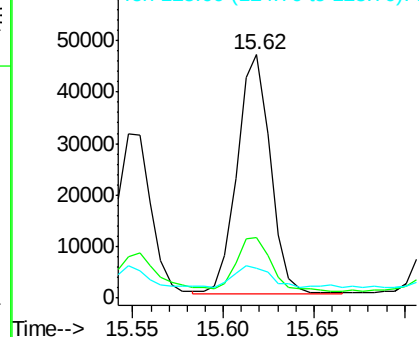
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	12.4	9.8	14.6

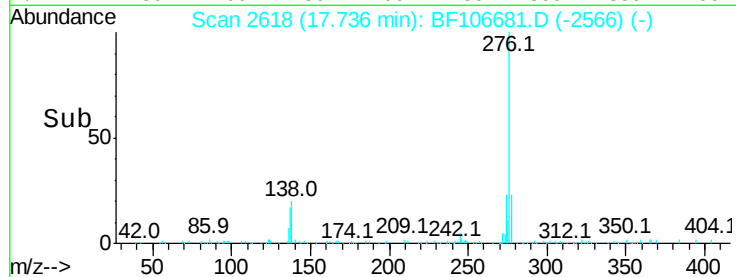
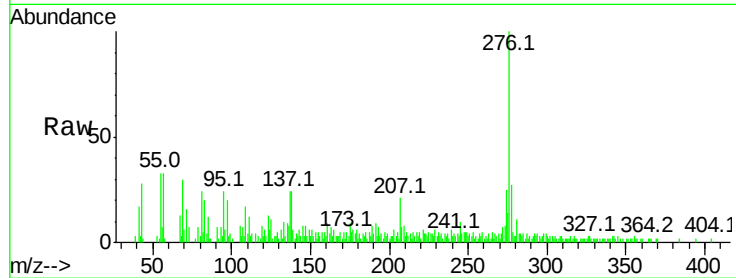
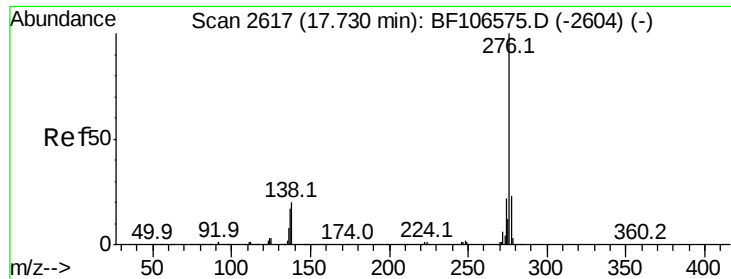
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
Benzo(a,h,i)perylene
Concen: 8.065 ng
RT: 17.74 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF106681.D
Acq: 22 Jun 2018 00:29

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	24.0	21.8	32.8

Manual Integrations
APPROVED

Sohil
6/22/2018 10:23:34 AM

