

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101918.D
 Acq On : 5 Jan 2018 10:05
 Operator : SJ/JU
 Sample : J1033-01 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(5)

Manual Integrations
 APPROVED

Sohil
 1/8/2018 4:21:30 PM

Quant Time: Jan 05 23:58:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	125920	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	507827	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	211692	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	345050	20.00	ng	0.00
75) Chrysene-d12	13.96	240	226580	20.00	ng	0.00
86) Perylene-d12	15.43	264	270322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	186578	22.07	ng	0.03
7) Phenol-d6	6.46	99	243823	23.18	ng	0.04
23) Nitrobenzene-d5	7.35	82	150816	16.53	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	20966	10.28	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	252733	18.52	ng	0.00
78) Terphenyl-d14	12.88	244	159271	16.95	ng	0.00
Target Compounds						
70) Phenanthrene	11.33	178	86165	4.490	ng	Qvalue 97
74) Fluoranthene	12.53	202	86957	4.317	ng	97
77) Pyrene	12.76	202	74542	4.384	ng	100
80) Benzo(a)anthracene	13.94	228	38845	2.596	ng	# 93
82) Chrysene	13.99	228	37046	2.622	ng	95
83) Bis(2-ethylhexyl)phthalate	13.89	149	75698	7.767	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	25898m	2.059	ng	
87) Benzo(b)fluoranthene	15.01	252	51893m	3.149	ng	
89) Benzo(a)pyrene	15.37	252	38038	2.504	ng	# 88
91) Benzo(g,h,i)perylene	17.39	276	26582	2.058	ng	95

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

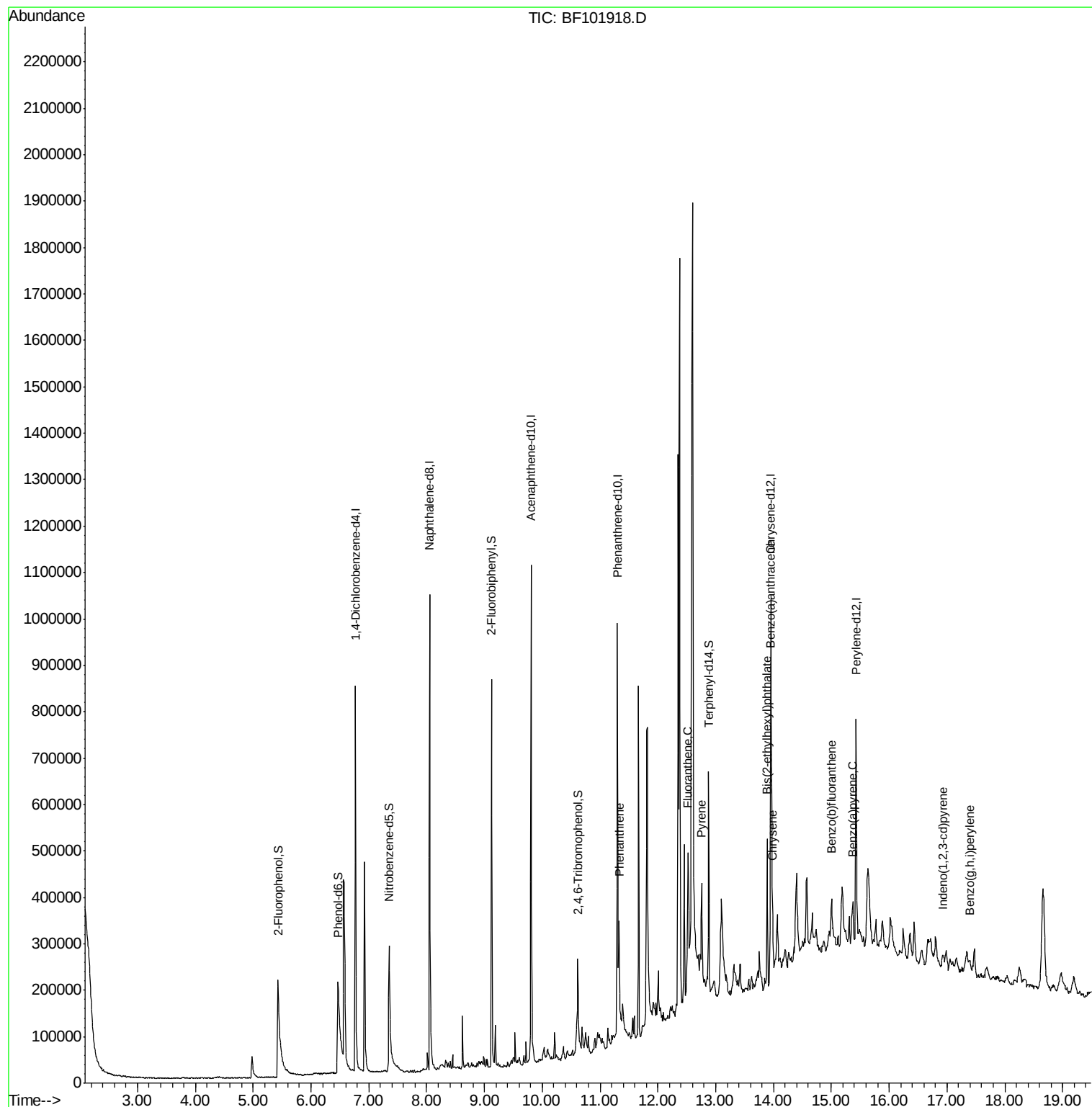
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101918.D
Acq On : 5 Jan 2018 10:05
Operator : SJ/JU
Sample : J1033-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

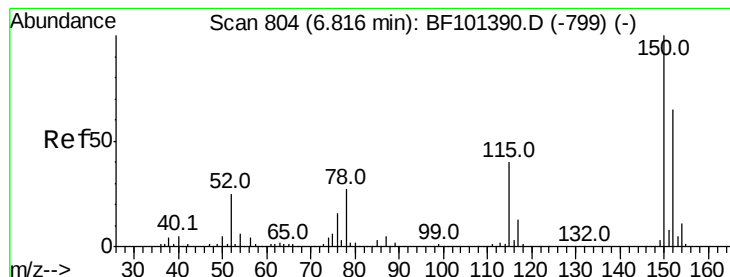
Instrument :
BNA_F
ClientSampleId :
B-1(5)

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:30 PM

Quant Time: Jan 05 23:58:09 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 05 12:29:26 2018
Response via : Initial Calibration





#1

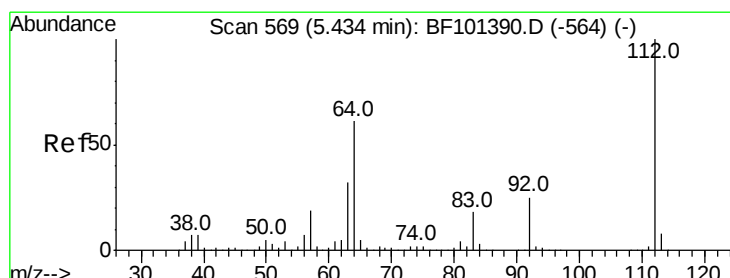
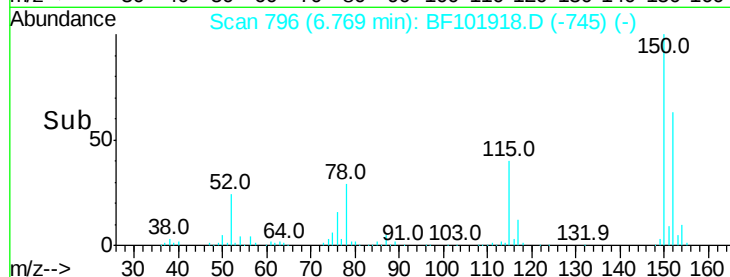
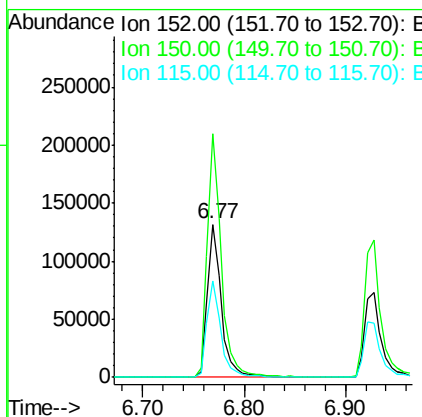
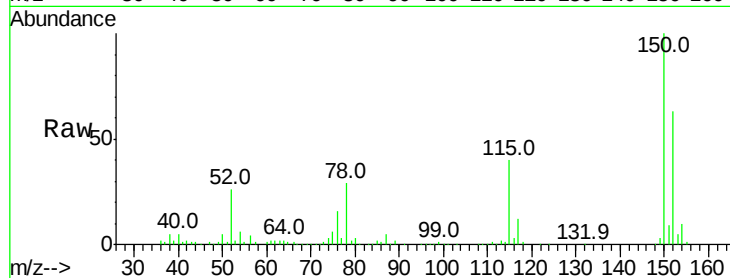
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Instrument :
BNA_F
ClientSampled :
B-1(5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	63.1	50.1	75.1

Manual Integrations
APPROVED

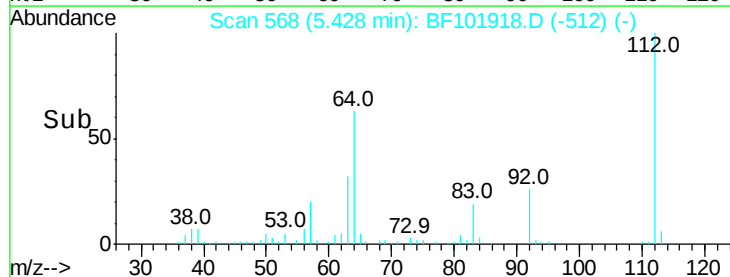
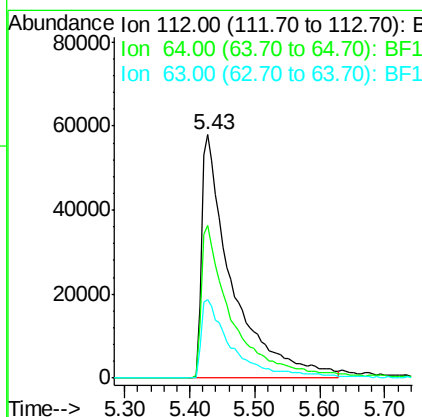
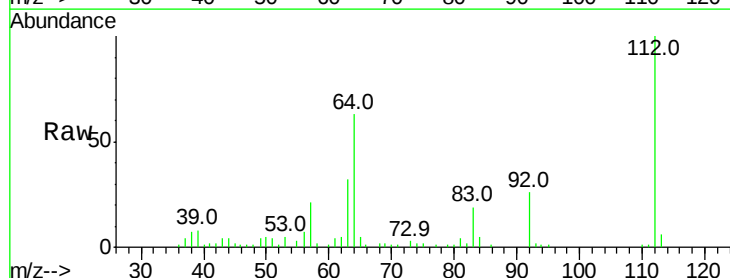
Sohil
1/8/2018 4:21:30 PM

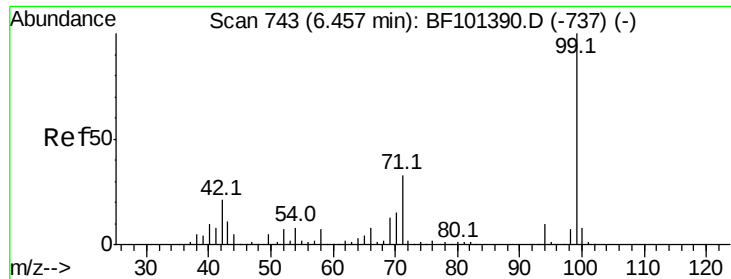


#5

2-Fluorophenol
Concen: 22.071 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.03 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 23.176 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.04 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Instrument :

BNA_F

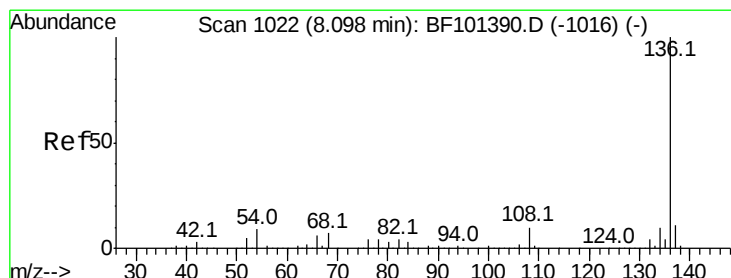
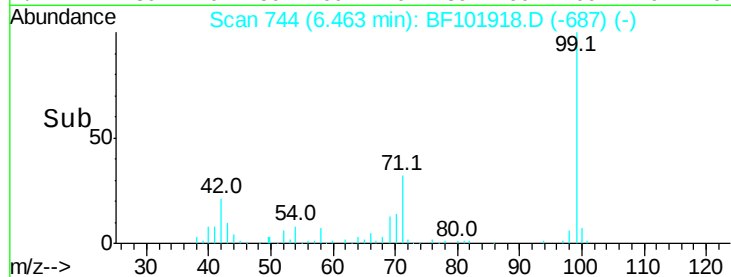
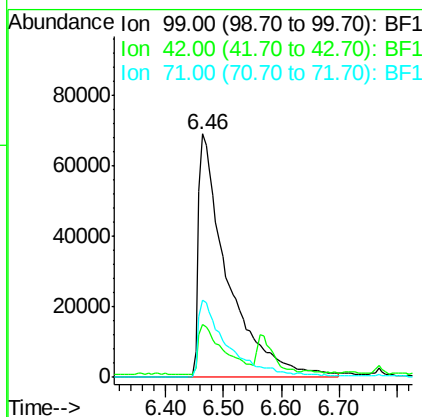
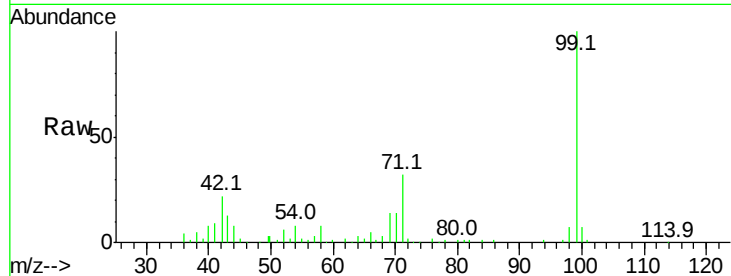
ClientSampleId :

B-1(5)

Tot Ion:	99	Resp:	243823
Ion Ratio	Lower	Upper	
99	100		
42	21.8	14.5	21.7#
71	31.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

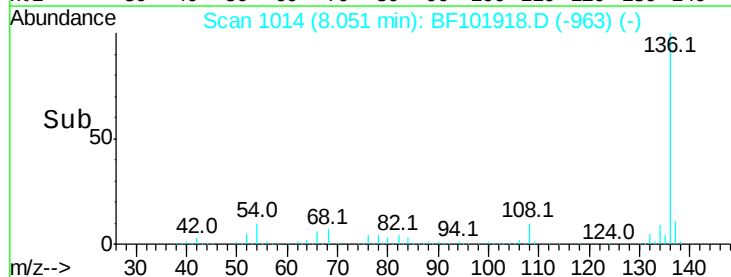
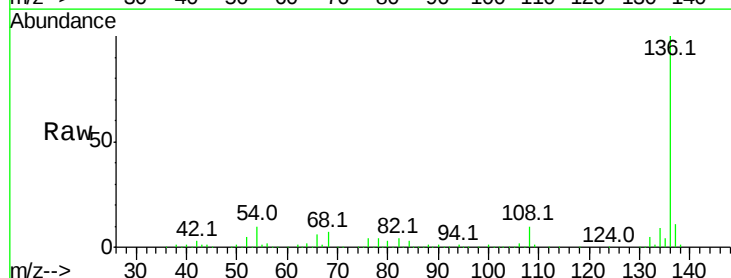
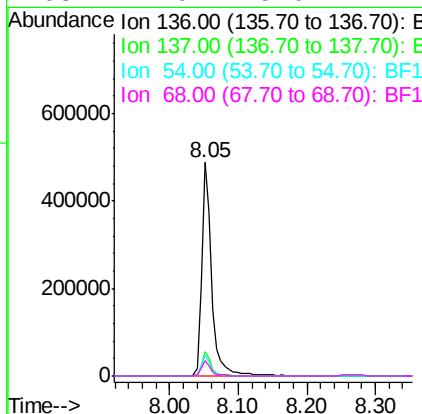
RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Tgt Ion:	136	Resp:	507827
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	9.6	6.6	9.8
68	7.0	5.0	7.4





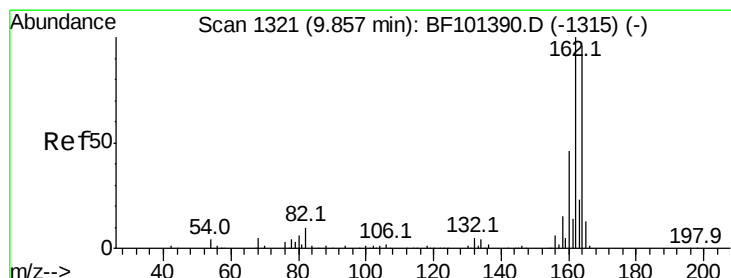
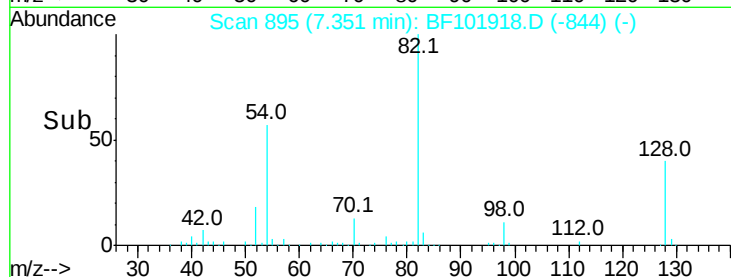
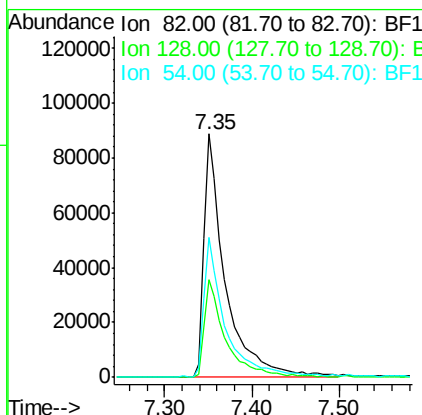
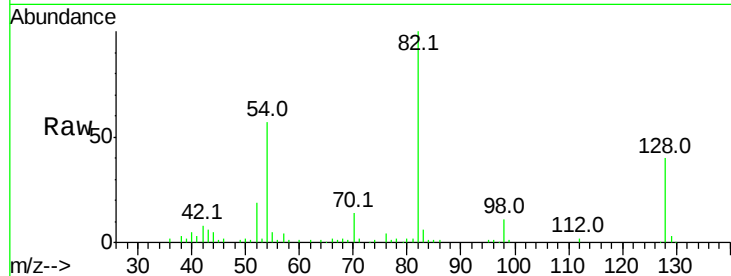
#23
 Nitrobenzene-d5
 Concen: 16.532 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BF101918.D
 Acq: 5 Jan 2018 10:05

Instrument :
 BNA_F
 ClientSampled :
 B-1(5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	36.1	54.1
54	57.2	41.4	62.2

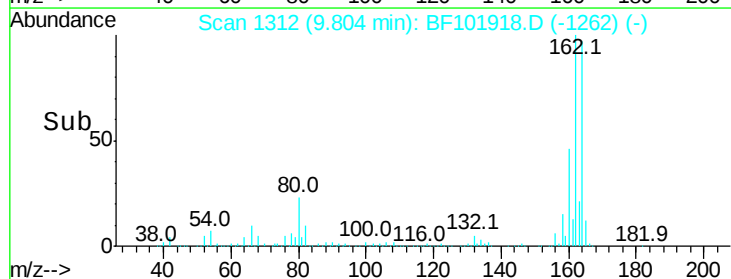
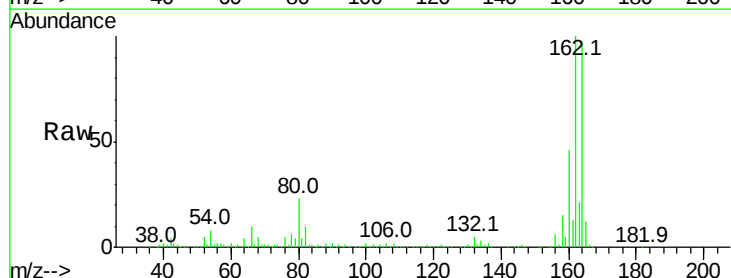
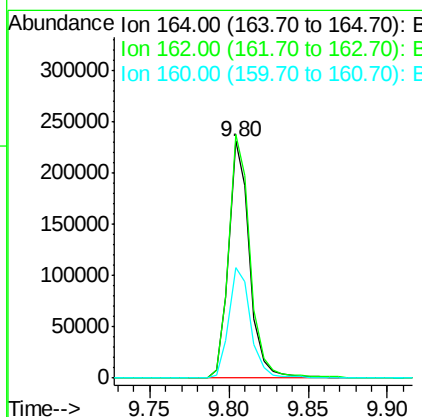
Manual Integrations
 APPROVED

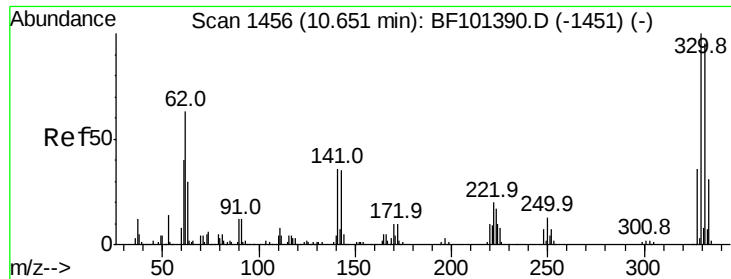
Sohil
 1/8/2018 4:21:30 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF101918.D
 Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	46.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 10.278 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Instrument :

BNA_F

ClientSampled :

B-1(5)

Tot Ion:330 Resp: 20966

Ion Ratio Lower Upper

330 100

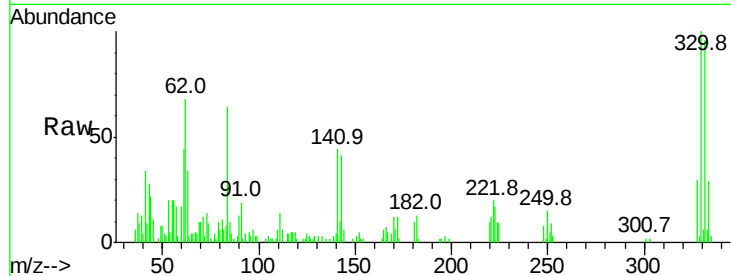
332 96.2 77.0 115.6

141 51.2 29.9 44.9#

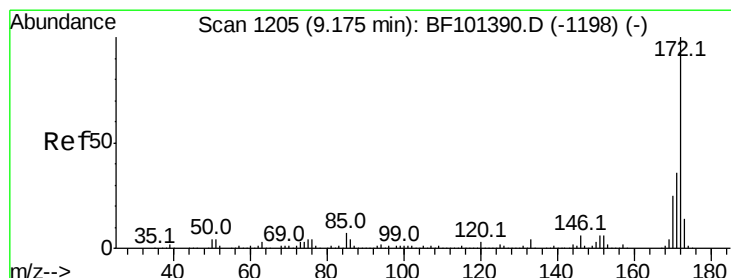
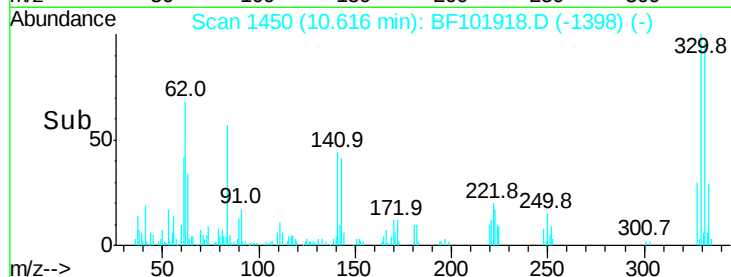
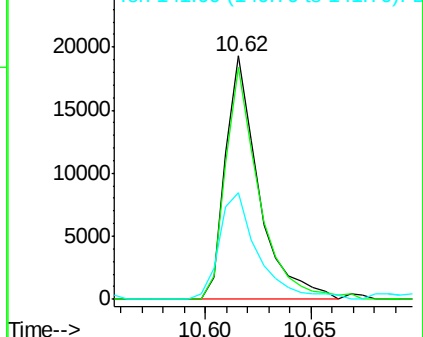
Manual Integrations
APPROVED

Sohil

1/8/2018 4:21:30 PM



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: 18.520 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Tgt Ion:172 Resp: 252733

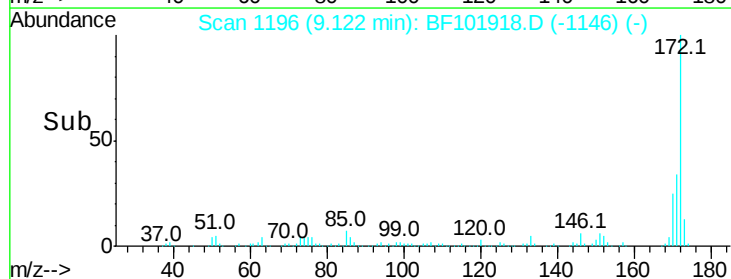
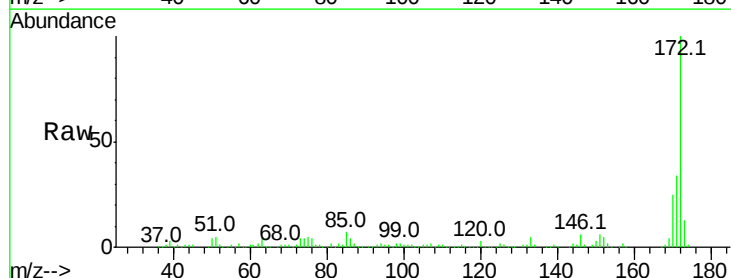
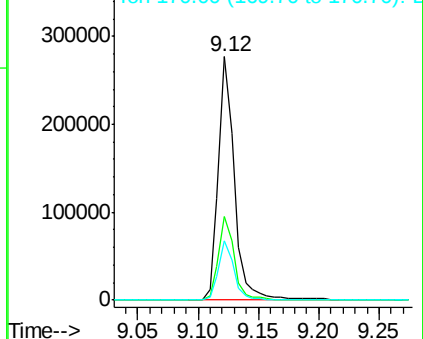
Ion Ratio Lower Upper

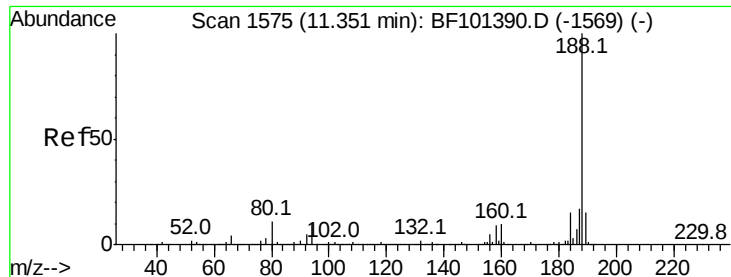
172 100

171 34.5 29.7 44.5

170 24.6 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





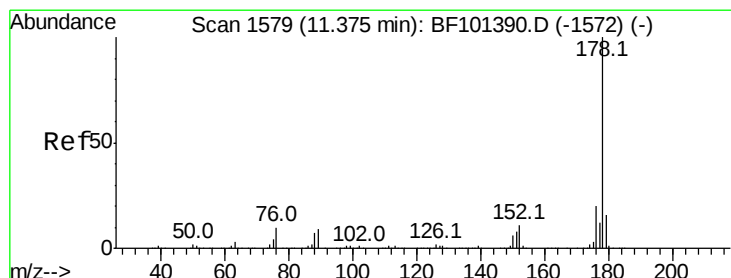
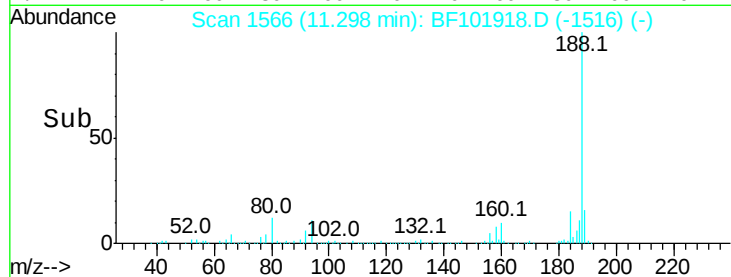
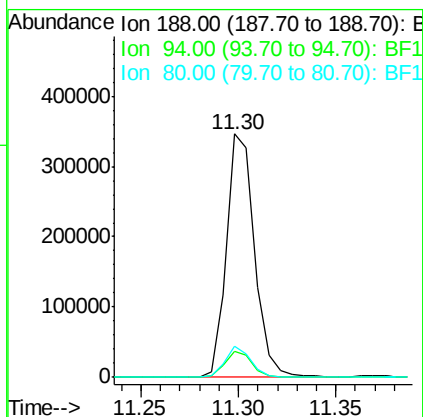
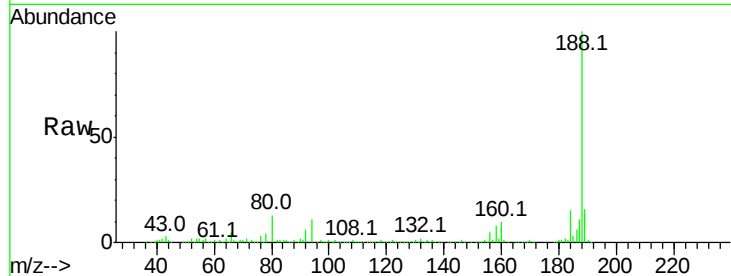
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	8.5	12.7	
80	12.6	9.2	13.8	

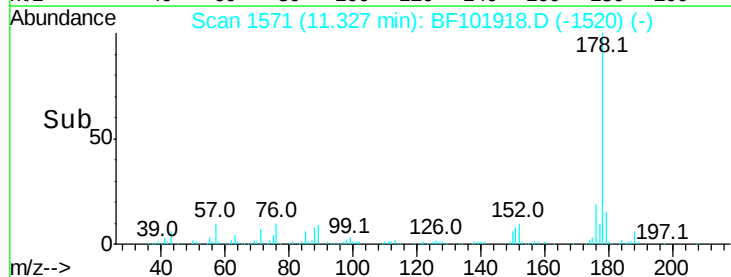
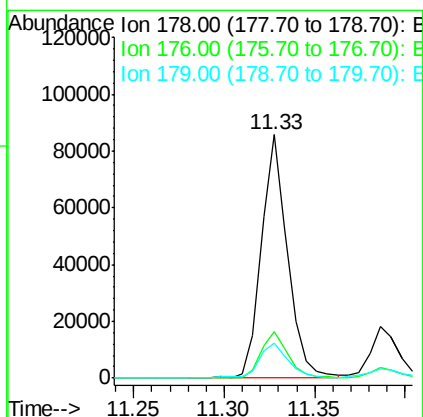
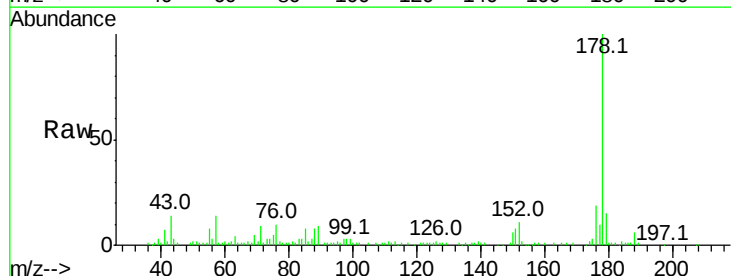
Manual Integrations
APPROVED

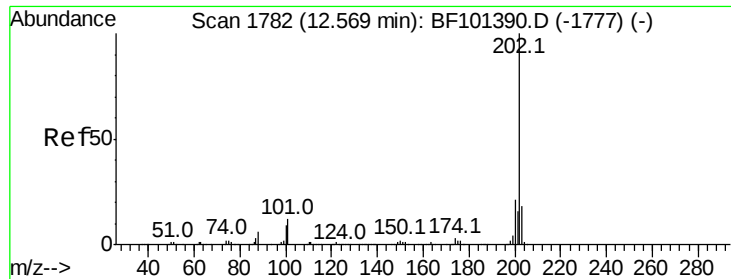
Sohil
1/8/2018 4:21:30 PM



#70
Phenanthrene
Concen: 4.490 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.1	15.8	23.8	
179	14.6	13.0	19.6	





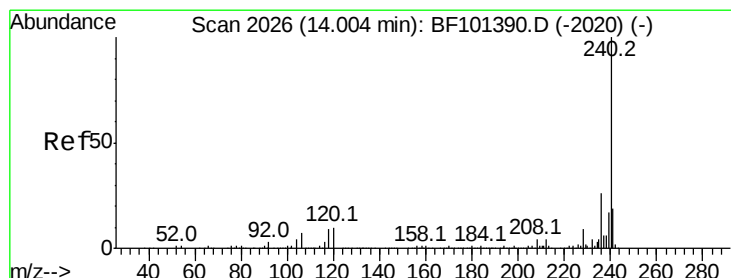
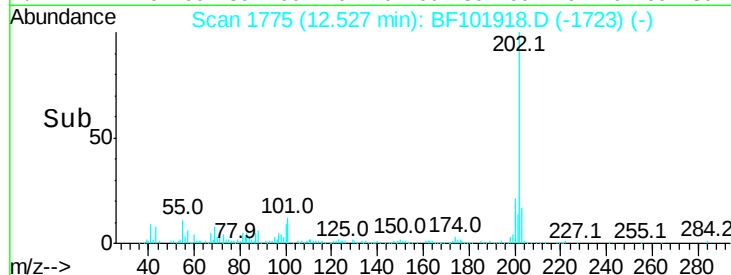
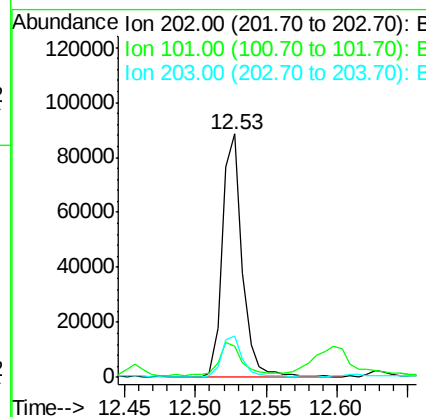
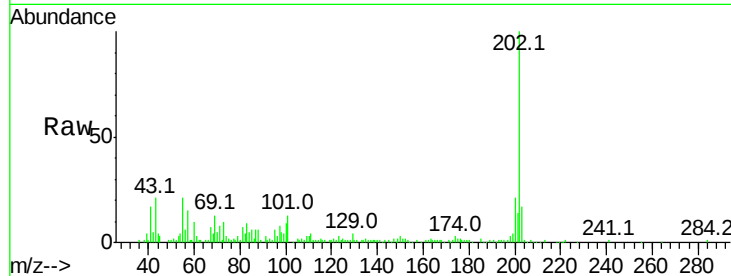
#74
 Fluoranthene
 Concen: 4.317 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BF101918.D
 Acq: 5 Jan 2018 10:05

Instrument :
 BNA_F
 ClientSampleId :
 B-1(5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	34.1
203	16.9	0.0	38.1

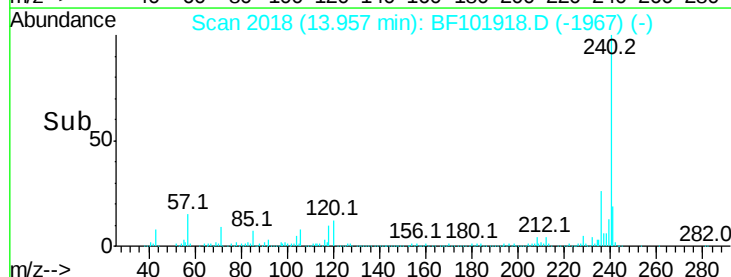
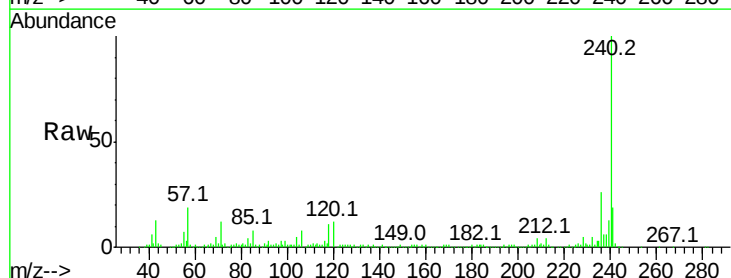
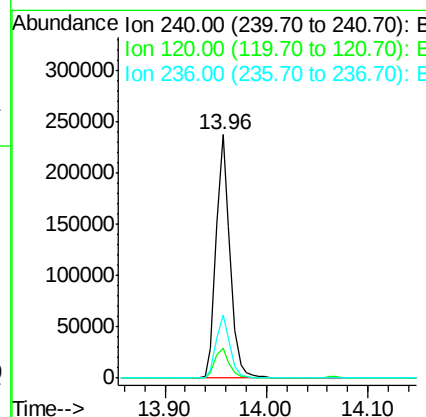
Manual Integrations
 APPROVED

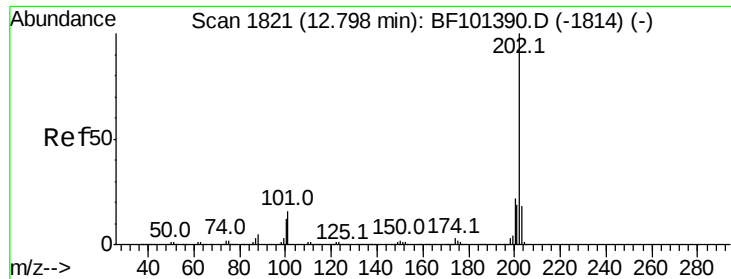
Sohil
 1/8/2018 4:21:30 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF101918.D
 Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	9.5	14.3
236	25.7	20.7	31.1





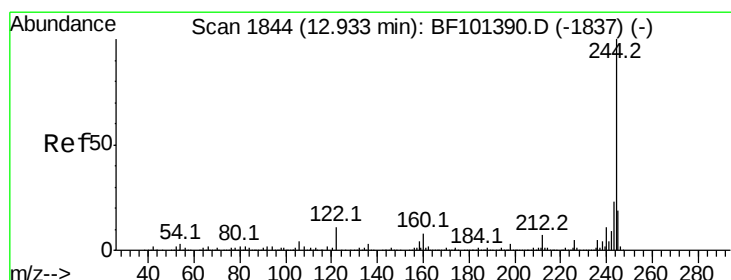
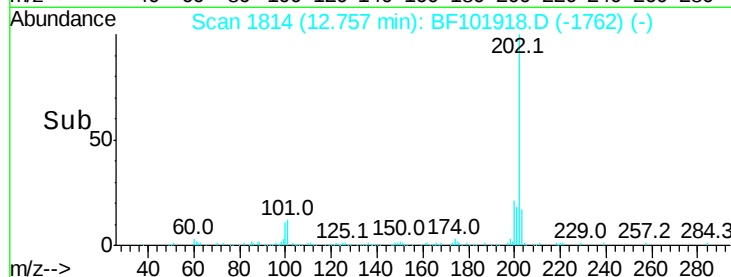
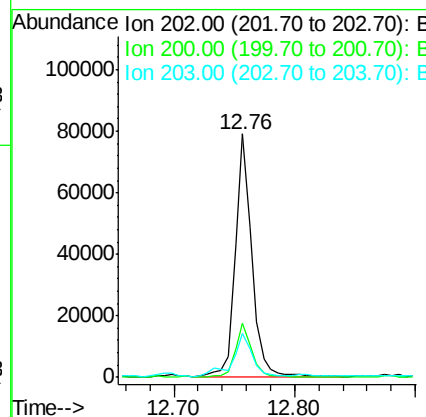
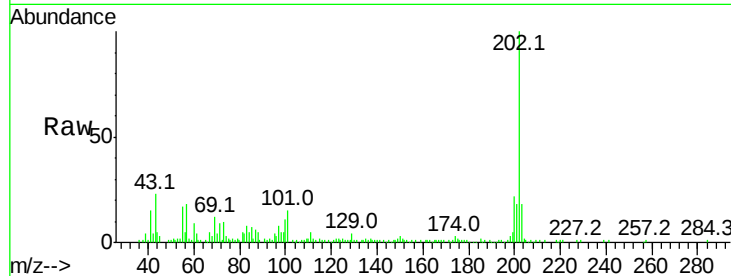
#77
Pvrene
Concen: 4.384 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Instrument :
BNA_F
ClientSampled :
B-1(5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.9	14.3	21.5

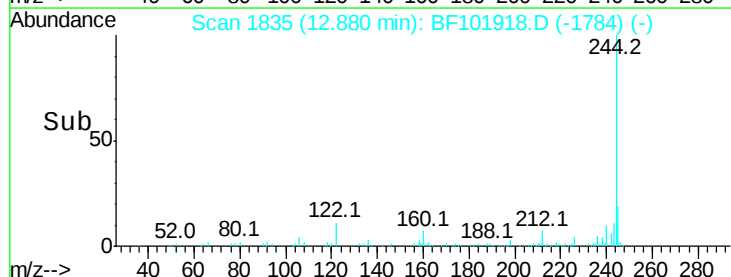
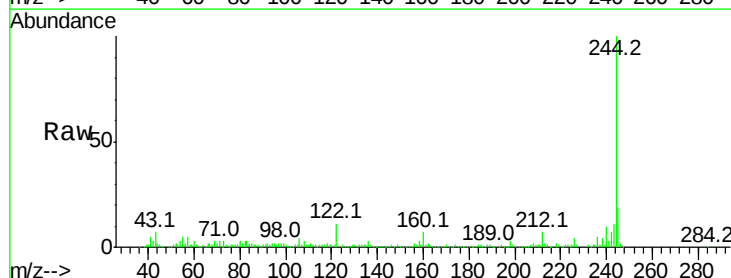
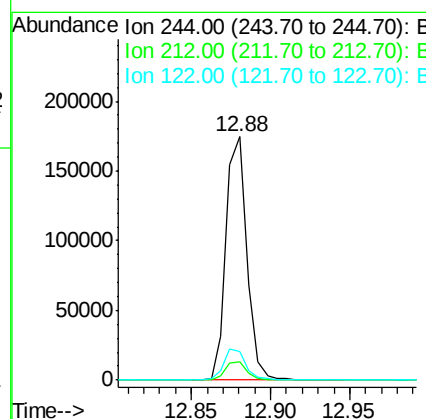
Manual Integrations
APPROVED

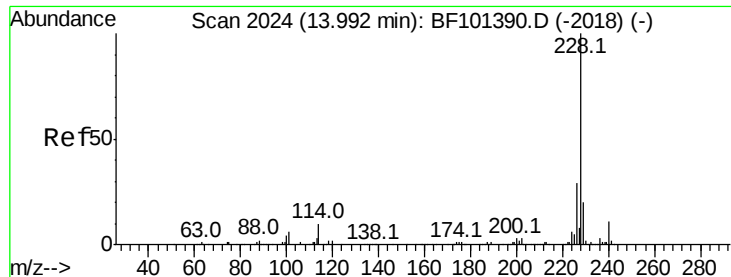
Sohil
1/8/2018 4:21:30 PM



#78
Terphenyl-d14
Concen: 16.946 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.596 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Instrument :

BNA_F

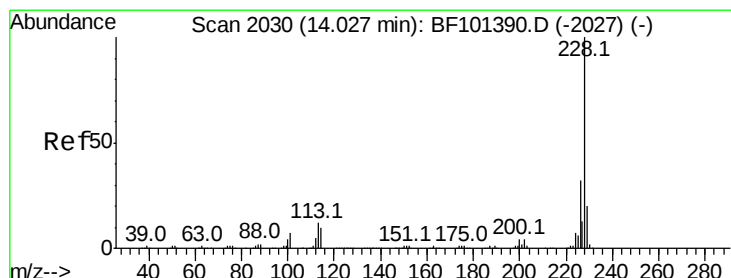
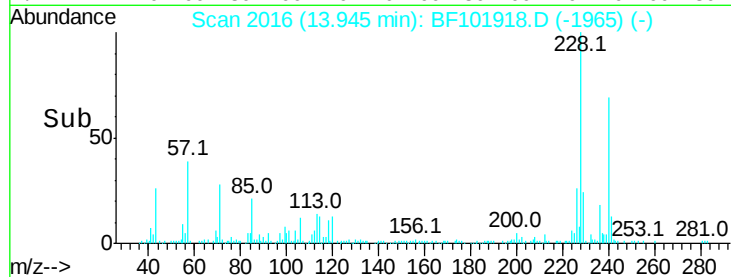
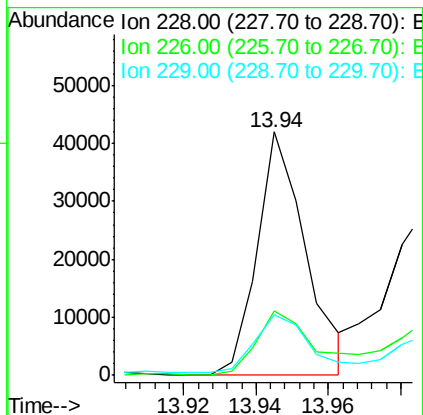
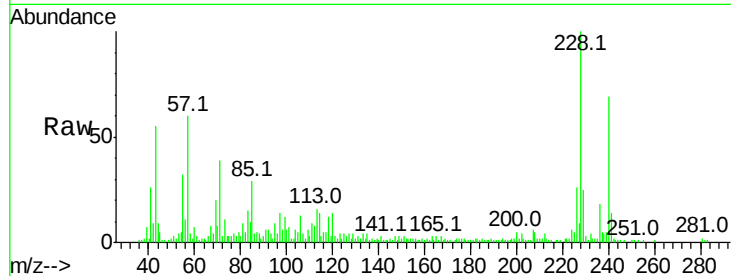
ClientSampleId :

B-1(5)

Tot Ion:	228	Resp:	38845
Ion Ratio	Lower	Upper	
228	100		
226	26.2	22.6	33.8
229	24.8	15.8	23.6

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:30 PM



#82

Chrysene

Concen: 2.622 ng

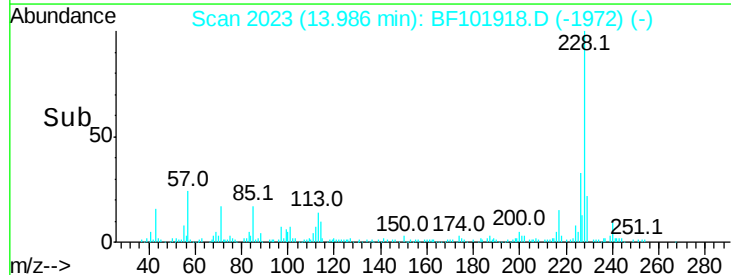
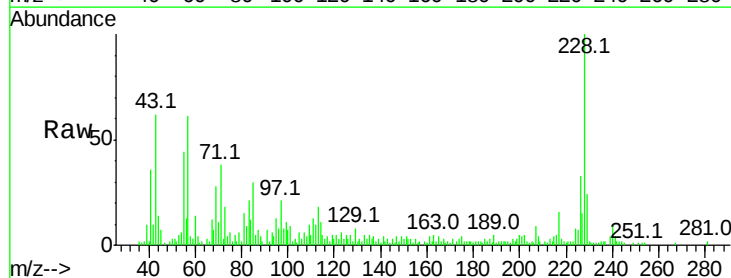
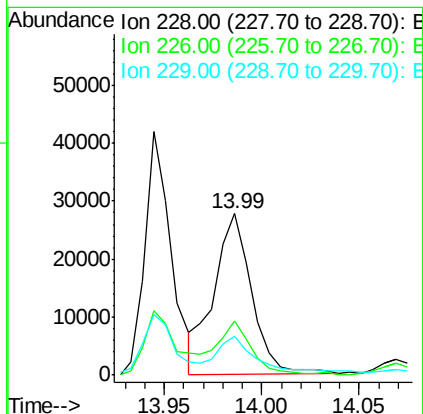
RT: 13.99 min Scan# 2023

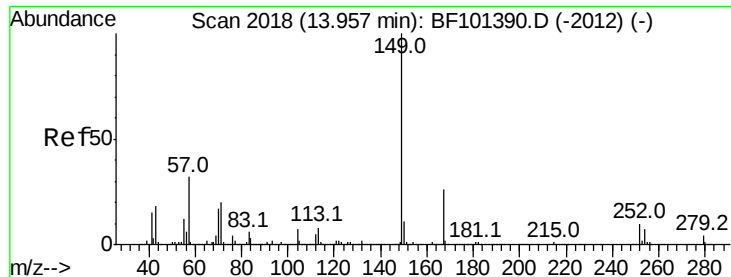
Delta R.T. 0.00 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Tgt Ion:	228	Resp:	37046
Ion Ratio	Lower	Upper	
228	100		
226	33.4	25.0	37.6
229	23.9	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.767 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Instrument :

BNA_F

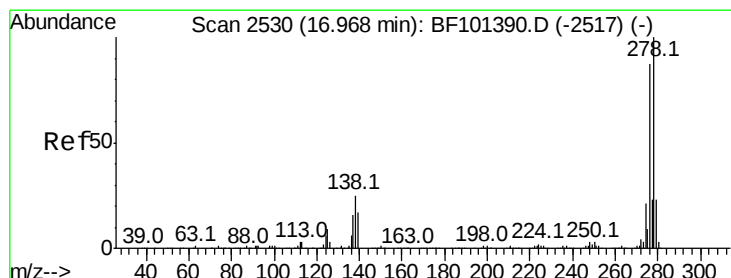
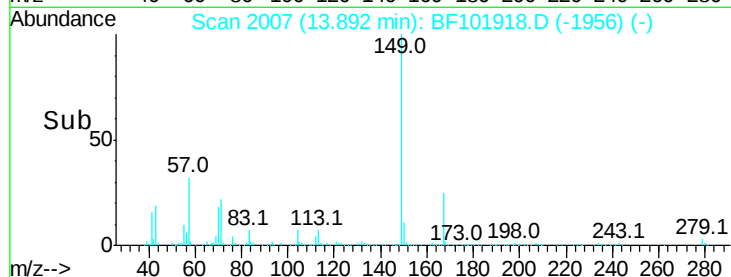
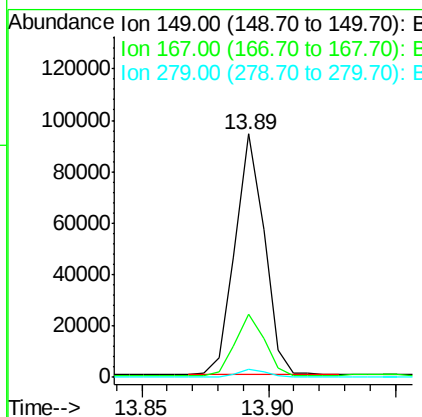
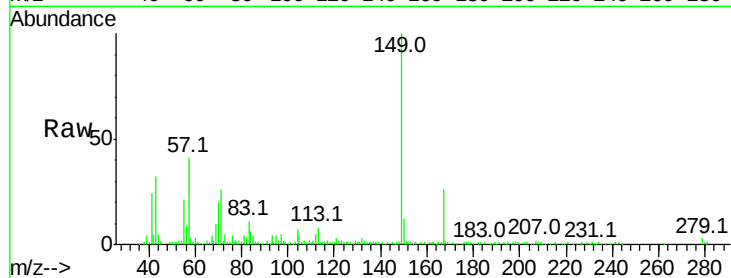
ClientSampleId :

B-1(5)

Tot Ion:	149	Resp:	75698
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.3	31.9
279	3.2	3.0	4.4

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:30 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.059 ng m

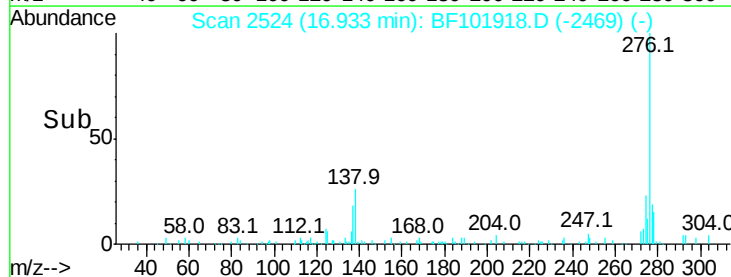
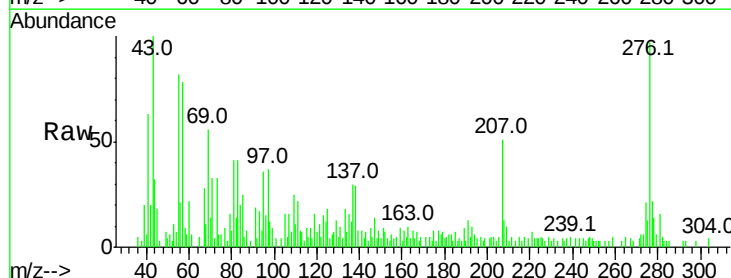
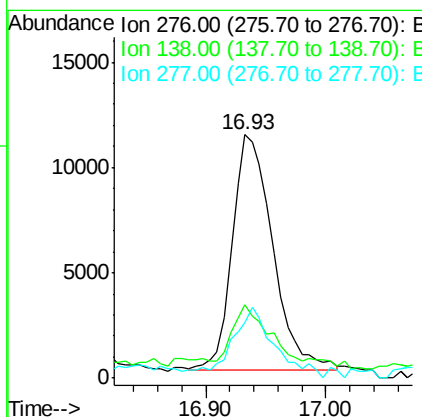
RT: 16.93 min Scan# 2524

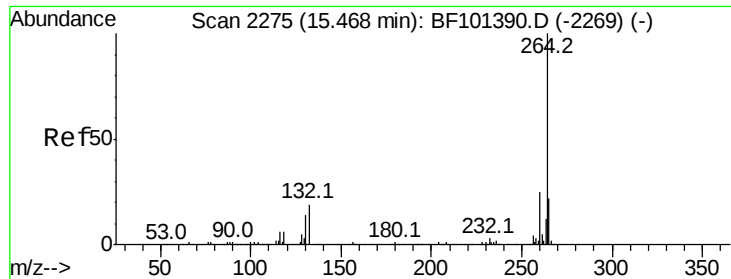
Delta R.T. 0.02 min

Lab File: BF101918.D

Acq: 5 Jan 2018 10:05

Tgt Ion:	276	Resp:	25898
Ion Ratio	Lower	Upper	
276	100		
138	2.9	25.0	37.6#
277	2.9	20.1	30.1#





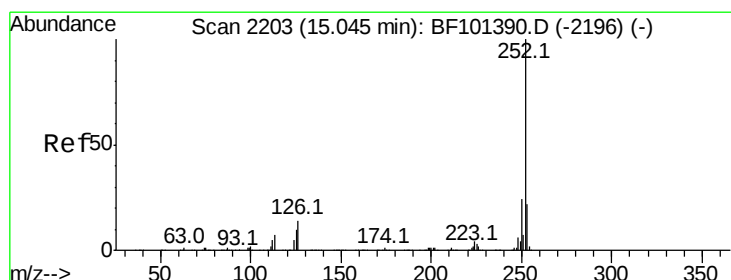
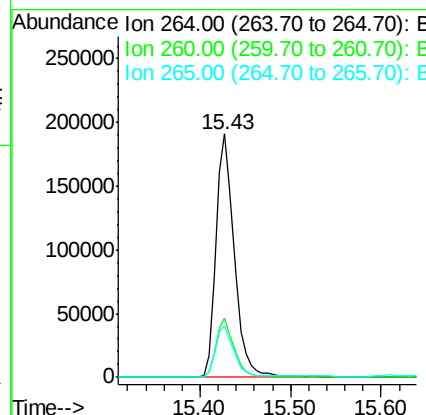
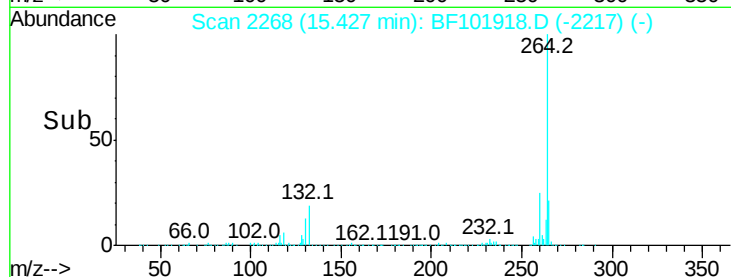
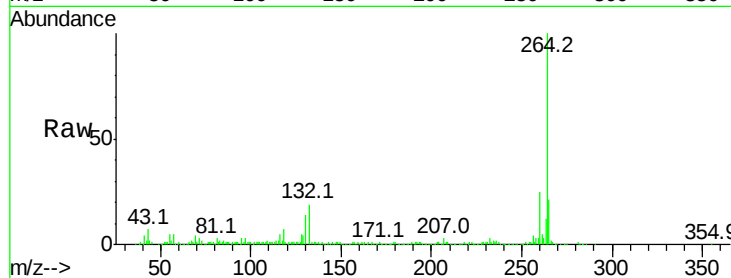
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Instrument :
BNA_F
ClientSampled :
B-1(5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.0	17.5	26.3

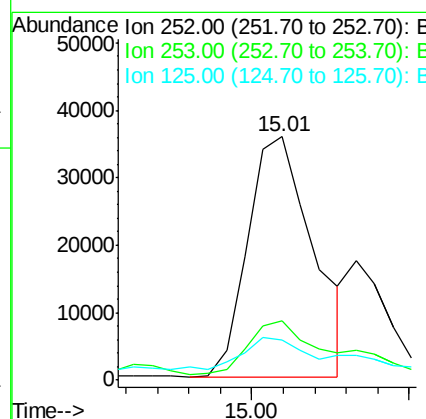
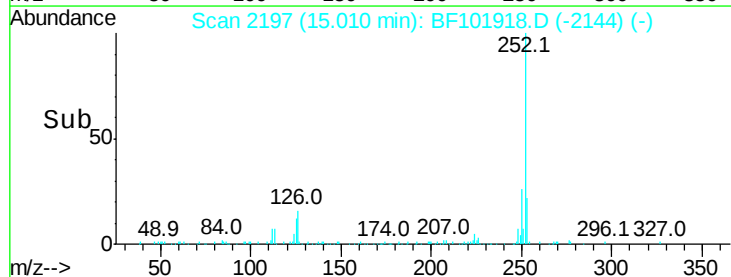
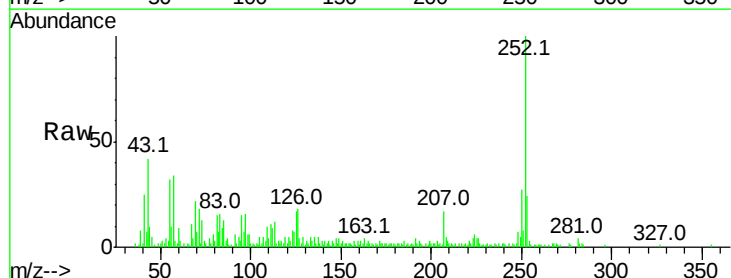
Manual Integrations
APPROVED

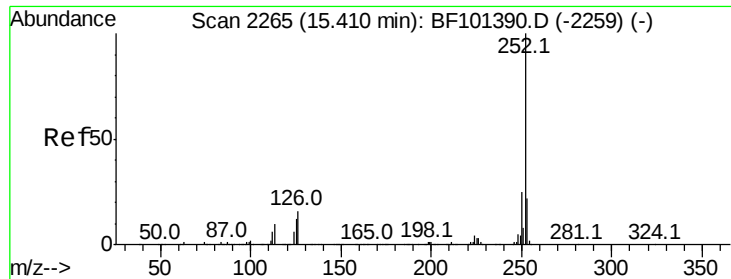
Sohil
1/8/2018 4:21:30 PM



#87
Benzo(b)fluoranthene
Concen: 3.149 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	16.5	9.0	13.6#





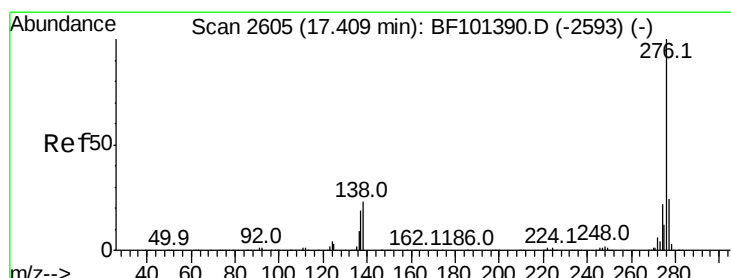
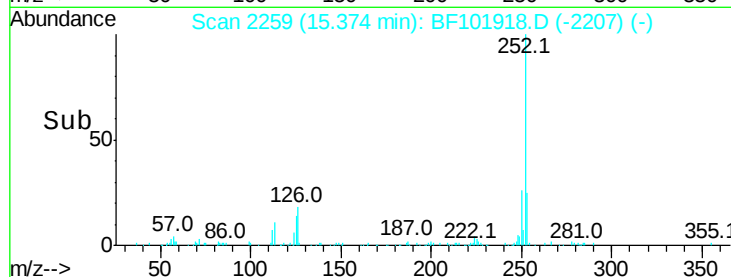
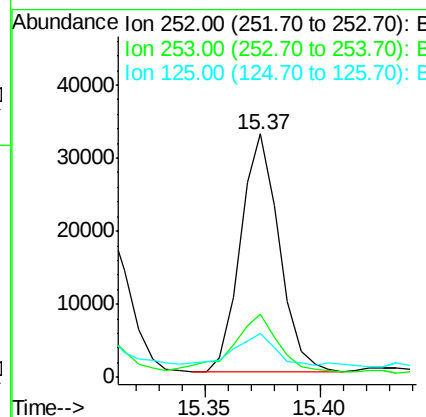
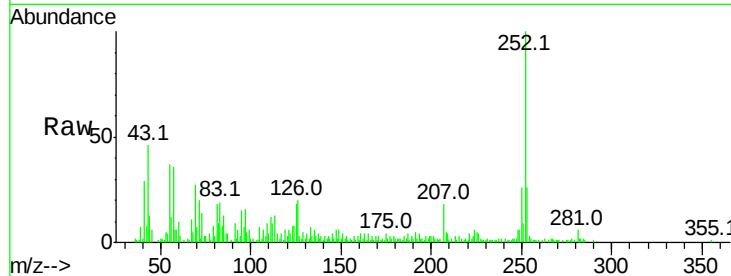
#89
Benzo(a)pyrene
Concen: 2.504 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	18.2	9.8	14.6#

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:30 PM



#91
Benzo(g,h,i)perylene
Concen: 2.058 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101918.D
Acq: 5 Jan 2018 10:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	30.3	21.8	32.8

