

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104064.D
 Acq On : 29 Mar 2018 21:07
 Operator : JU/SJ
 Sample : J2117-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPIAS

Manual Integrations
 APPROVED

Sohil
 3/30/2018 6:01:31 PM

Quant Time: Mar 30 10:16:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	98904	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	428028	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	182205	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	260343	20.00	ng	0.00
75) Chrysene-d12	14.16	240	204640	20.00	ng	0.00
86) Perylene-d12	15.70	264	229709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	36319m	5.86	ng	0.04
7) Phenol-d6	6.62	99	96433m	12.64	ng	0.02
23) Nitrobenzene-d5	7.55	82	63676m	9.10	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	27810	13.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	150225	13.00	ng	0.00
78) Terphenyl-d14	13.08	244	103184	11.64	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	73893	5.242	ng	Qvalue 96
71) Anthracene	11.58	178	45135m	3.066	ng	
74) Fluoranthene	12.72	202	196996	13.148	ng	97
77) Pyrene	12.95	202	149822	10.185	ng	98
80) Benzo(a)anthracene	14.14	228	106698	8.333	ng	98
82) Chrysene	14.18	228	80973	6.456	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	63364	4.876	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	117999m	8.441	ng	
88) Benzo(k)fluoranthene	15.26	252	58782m	4.464	ng	
89) Benzo(a)pyrene	15.63	252	100681	7.772	ng	# 94
91) Benzo(g,h,i)perylene	17.77	276	58028m	4.837	ng	

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

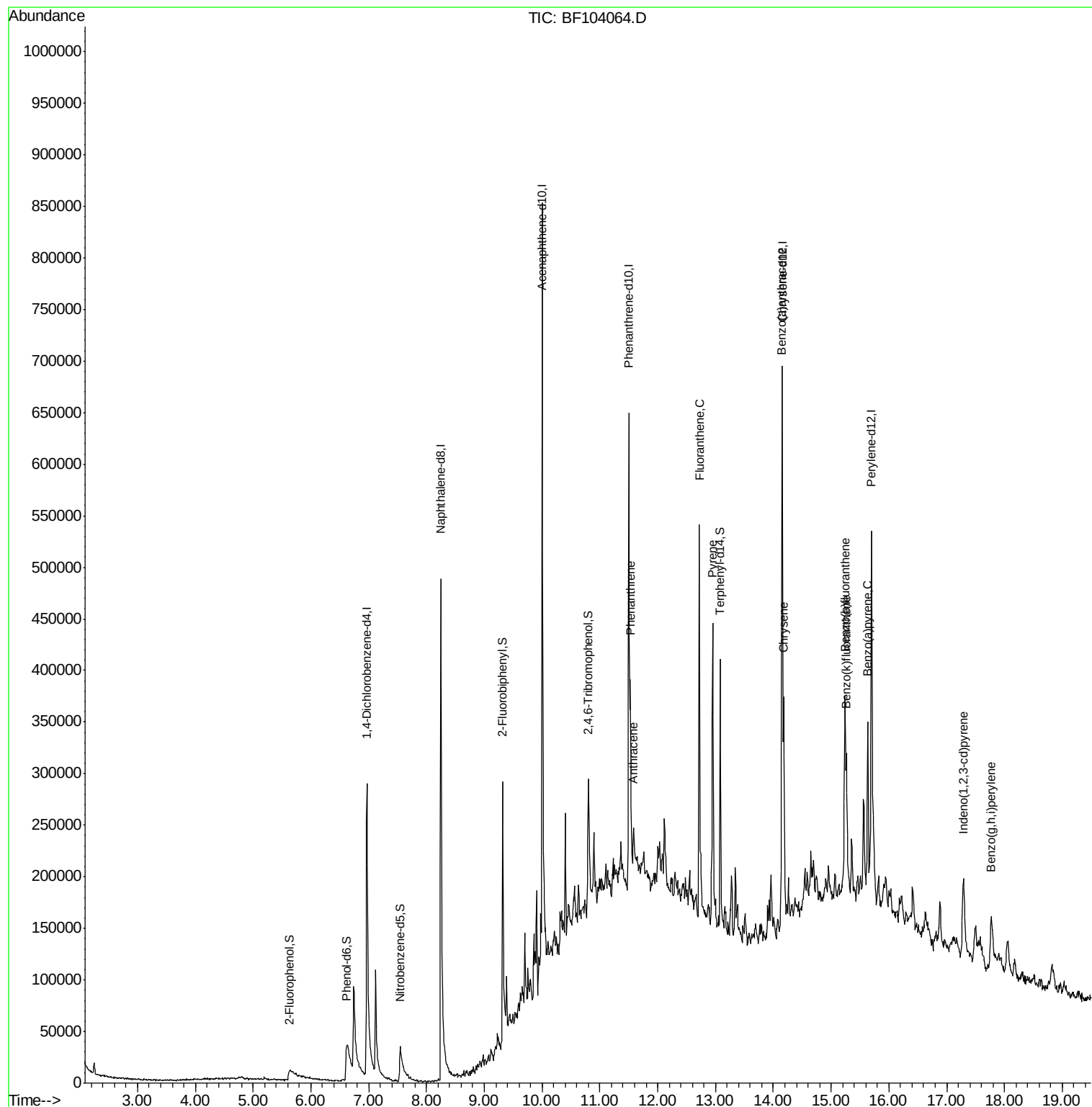
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104064.D
Acq On : 29 Mar 2018 21:07
Operator : JU/SJ
Sample : J2117-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

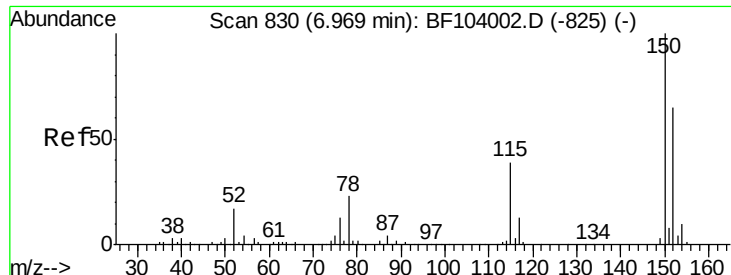
Instrument :
BNA_F
ClientSampleId :
TPIAS

Quant Time: Mar 30 10:16:50 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
3/30/2018 6:01:31 PM





#1

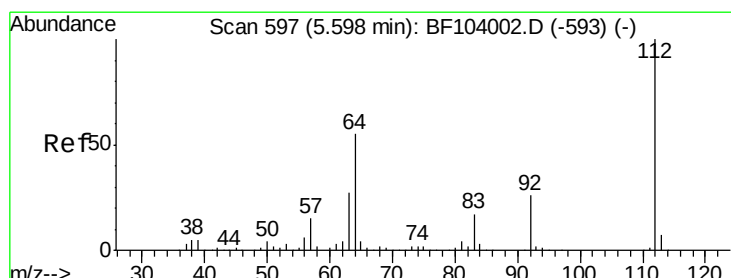
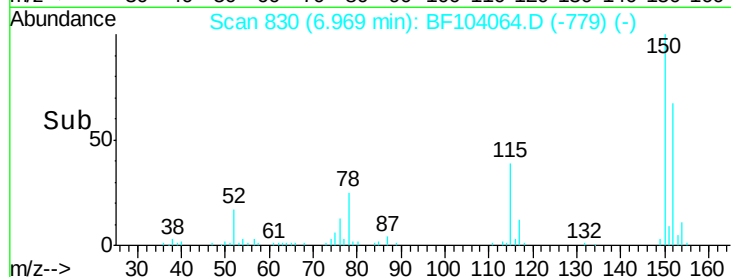
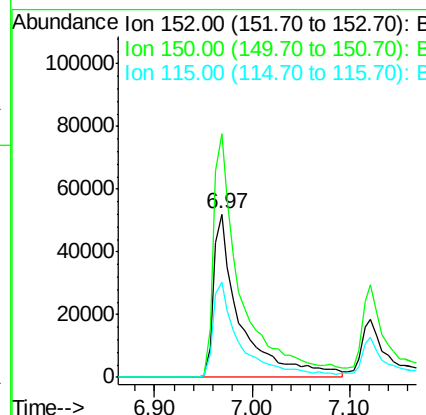
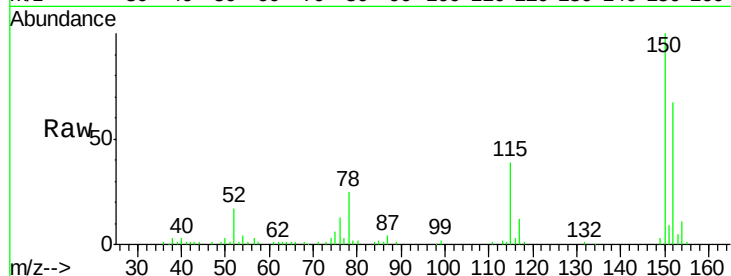
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampled :
TPIAS

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	124.6	186.8
115	58.3	50.1	75.1

Manual Integrations
APPROVED

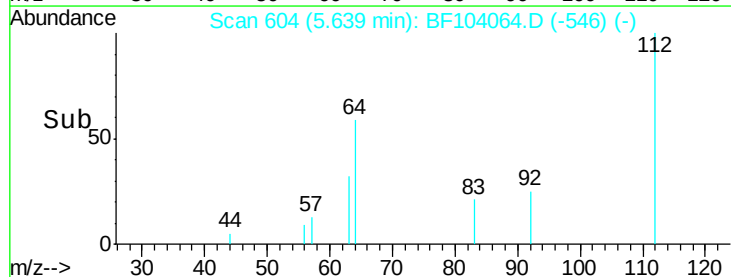
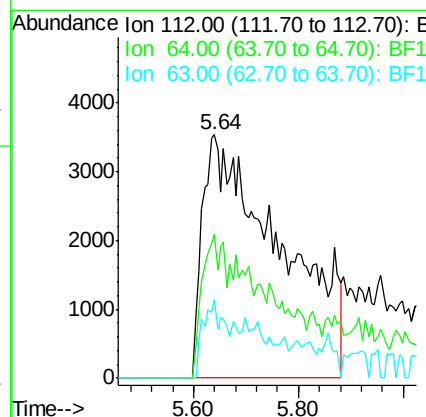
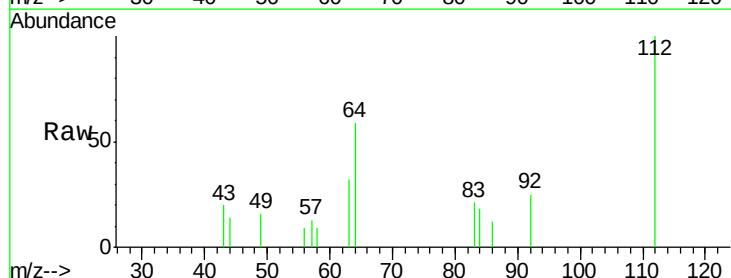
Sohil
3/30/2018 6:01:31 PM

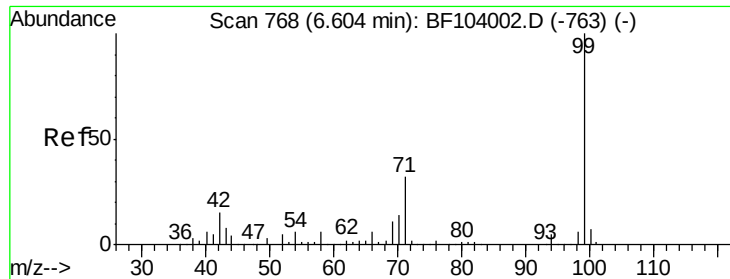


#5

2-Fluorophenol
Concen: 5.856 ng m
RT: 5.64 min Scan# 604
Delta R.T. 0.04 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

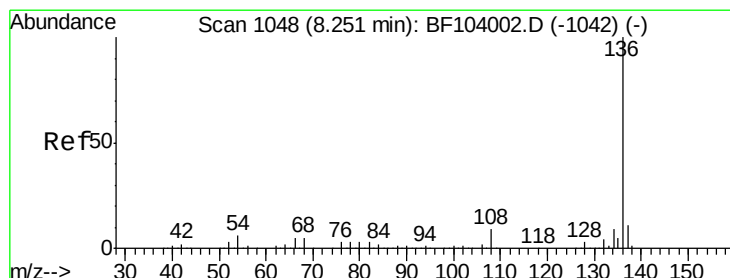
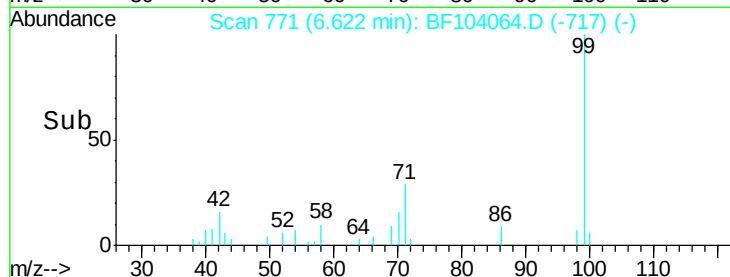
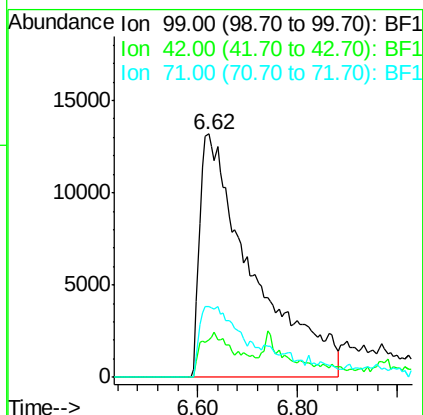
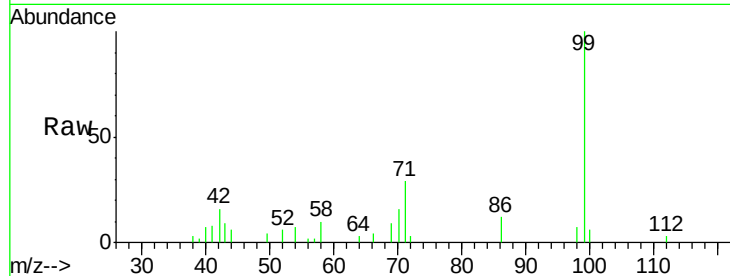
Concen: 12.638 ng/ml
 RT: 6.62 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :
 TPIAS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		96433		
42	15.6	14.5	21.7		
71	29.0	25.4	38.0		

Manual Integrations
 APPROVED

Sohil
 3/30/2018 6:01:31 PM

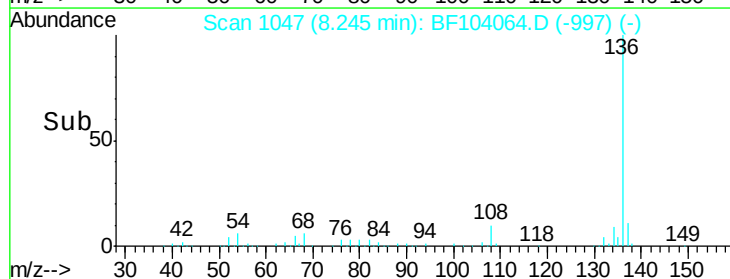
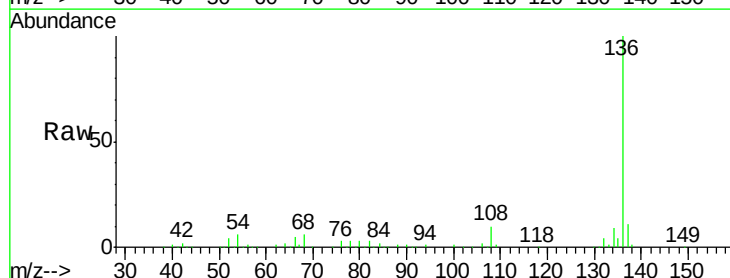
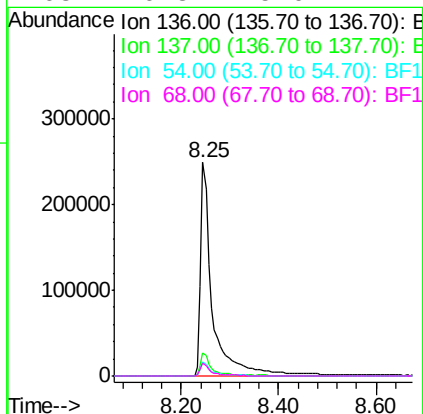


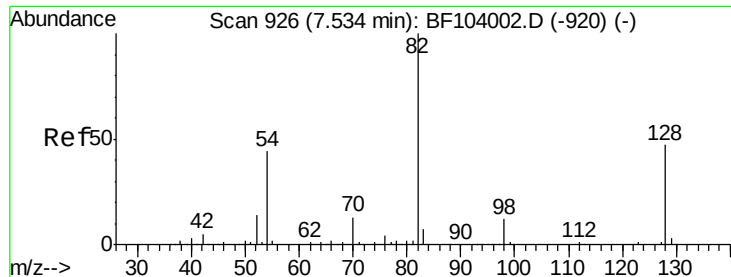
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		428028		
137	10.8	8.9	13.3		
54	6.5	6.6	9.8		
68	6.3	5.0	7.4		





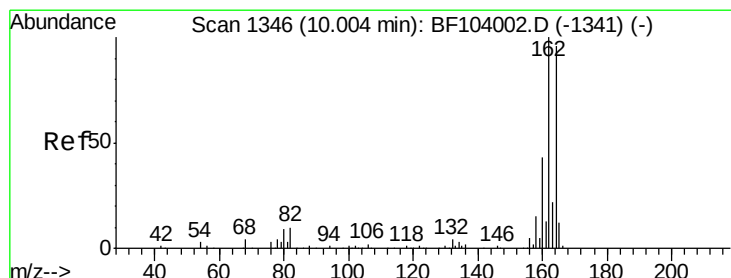
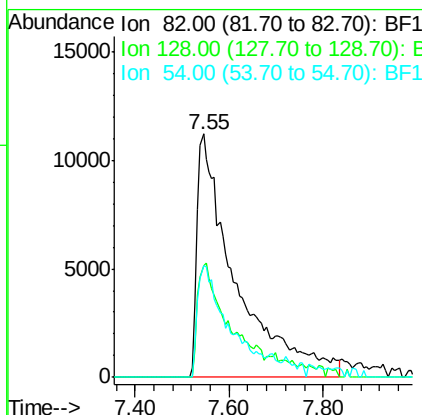
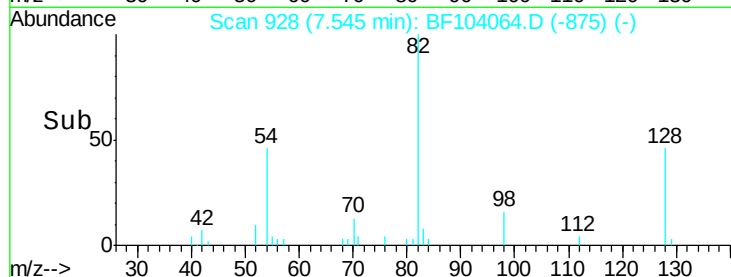
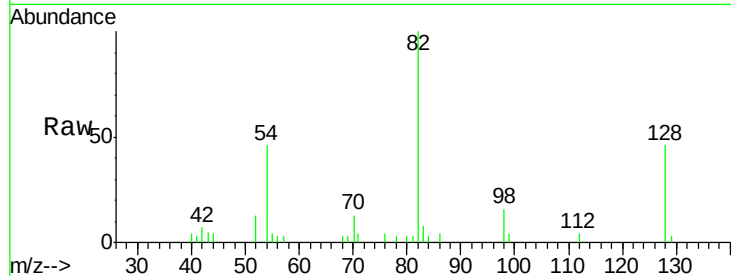
#23
 Nitrobenzene-d5
 Concen: 9.098 ng m
 RT: 7.55 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampled :
 TPIAS

Tot Ion	82	Resp	63676
Ion Ratio	100	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	46.1	41.4	62.2

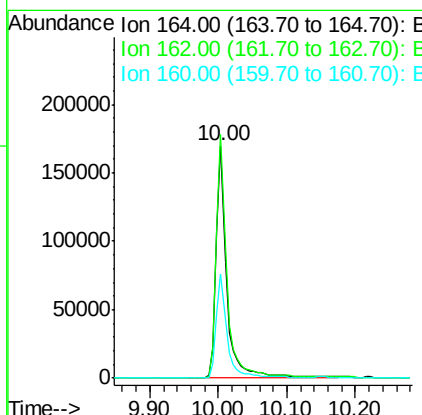
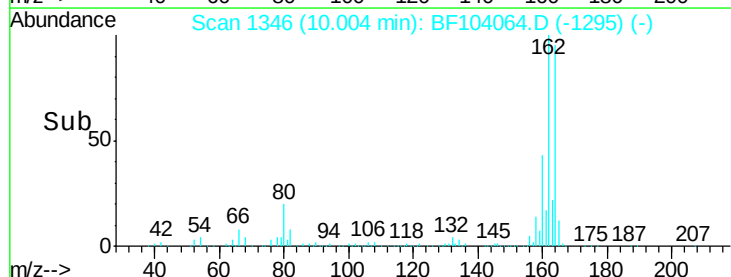
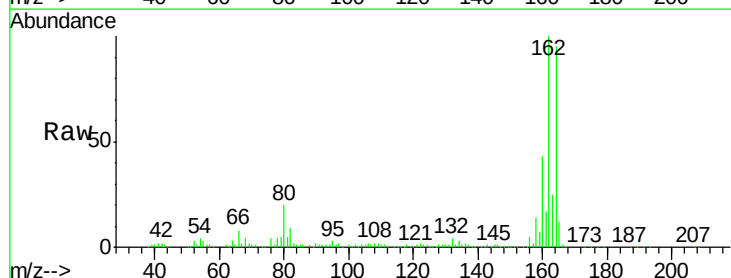
Manual Integrations
 APPROVED

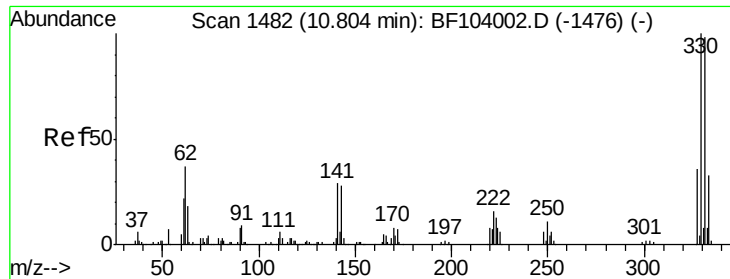
Sohil
 3/30/2018 6:01:31 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion	164	Resp	182205
Ion Ratio	100	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	44.9	38.3	57.5





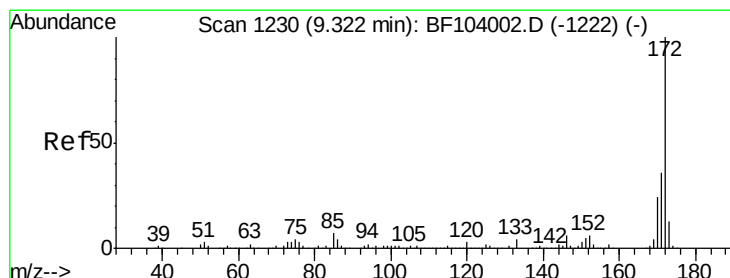
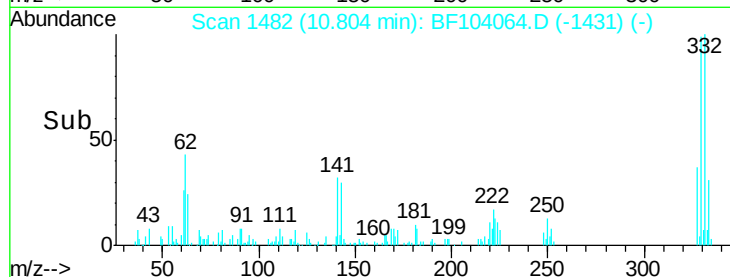
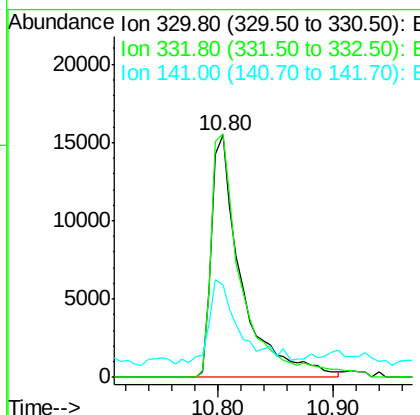
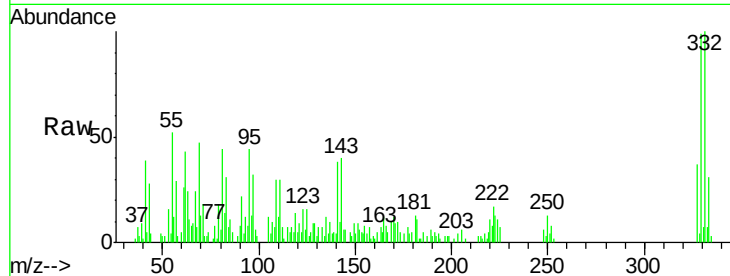
#41
 2,4,6-Tribromophenol
 Concen: 13.707 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :
 TPIAS

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	77.0	115.6
141	36.0	29.9	44.9

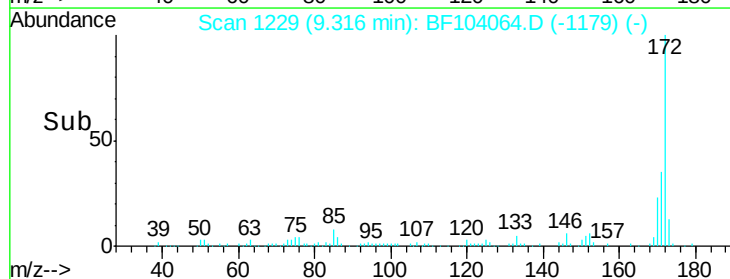
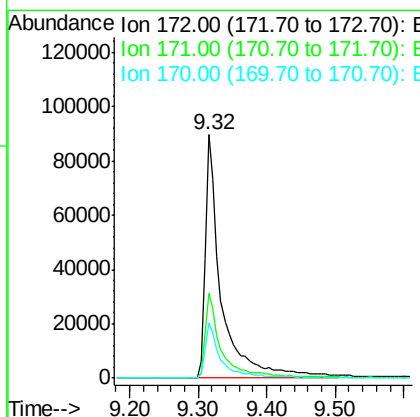
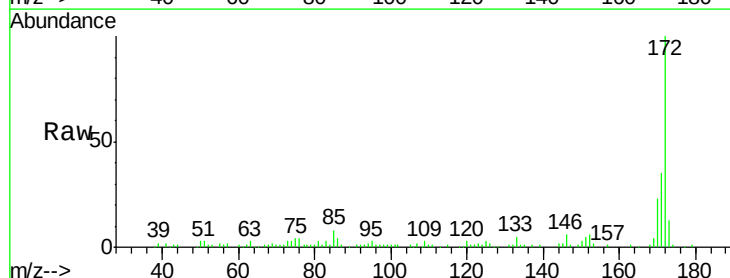
Manual Integrations
 APPROVED

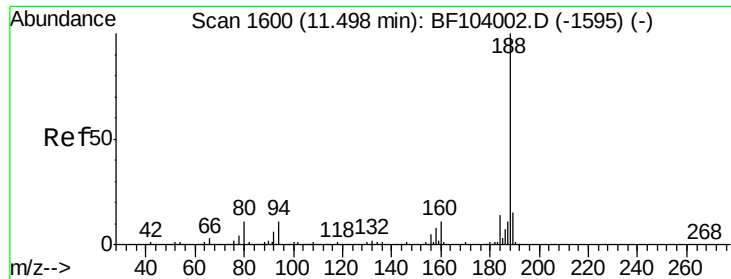
Sohil
 3/30/2018 6:01:31 PM



#44
 2-Fluorobiphenyl
 Concen: 13.001 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.5	19.6	29.4





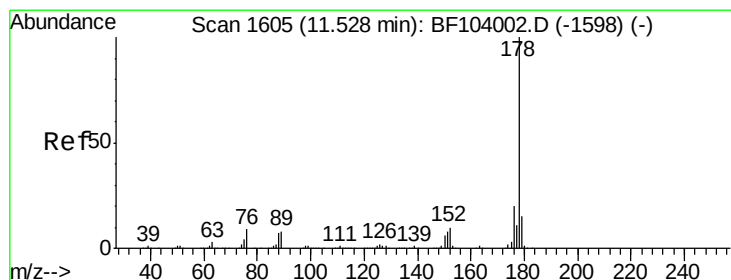
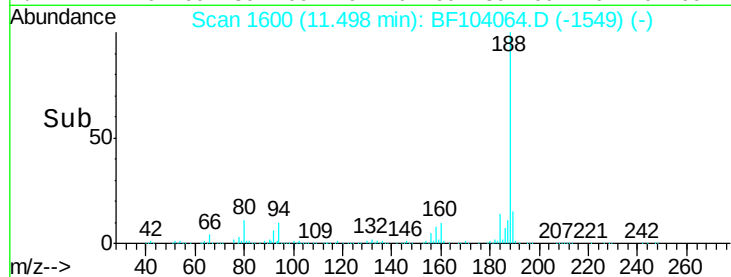
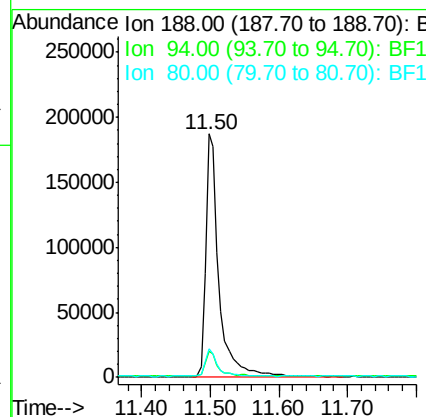
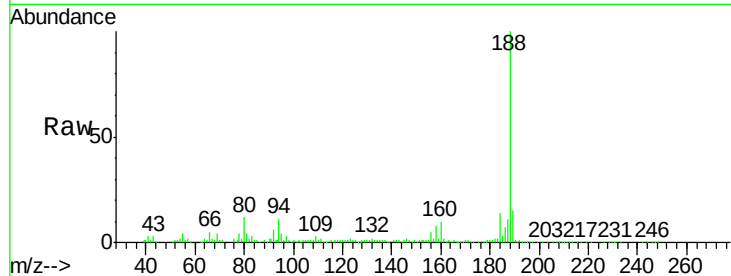
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampled :
TPIAS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	260343		
94	10.7		8.5	12.7
80	11.8		9.2	13.8

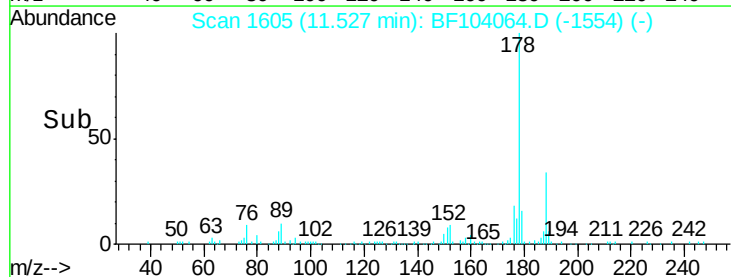
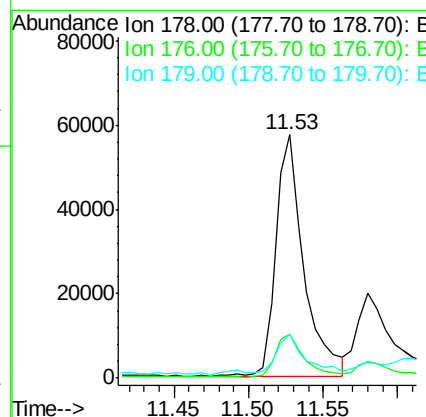
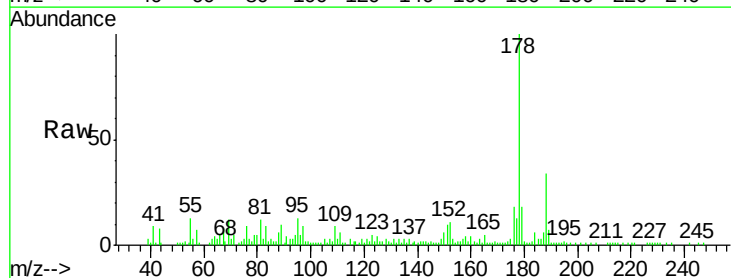
Manual Integrations
APPROVED

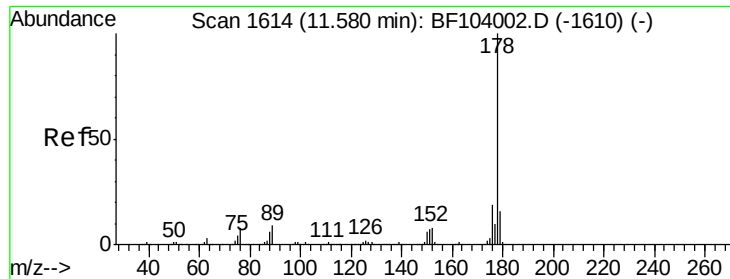
Sohil
3/30/2018 6:01:31 PM



#70
Phenanthrene
Concen: 5.242 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	73893		
176	17.9		15.8	23.8
179	18.0		13.0	19.6





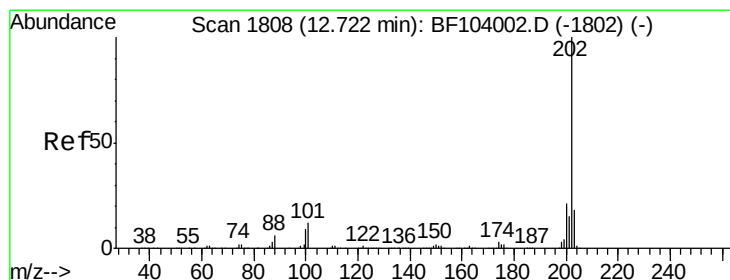
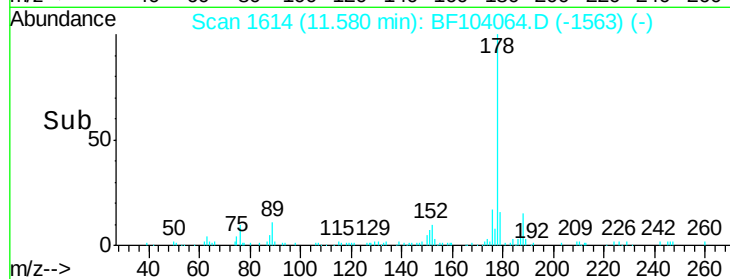
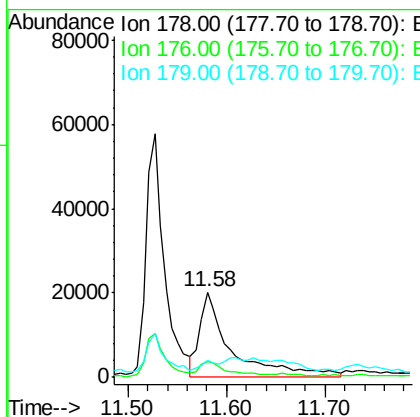
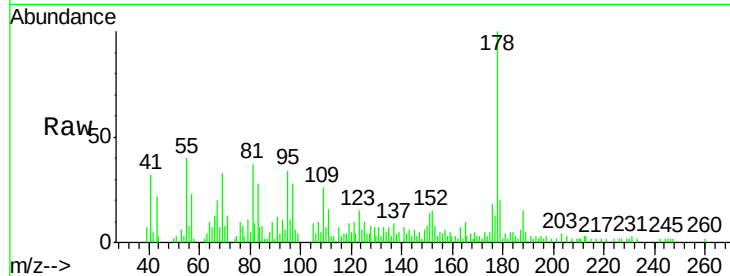
#71
 Anthracene
 Concen: 3.066 ng/mL
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleID :
 TPIAS

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	19.8	12.6	19.0

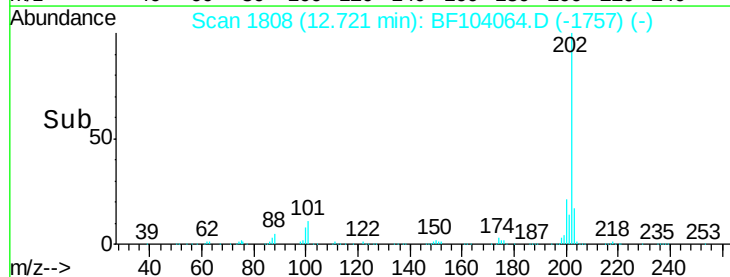
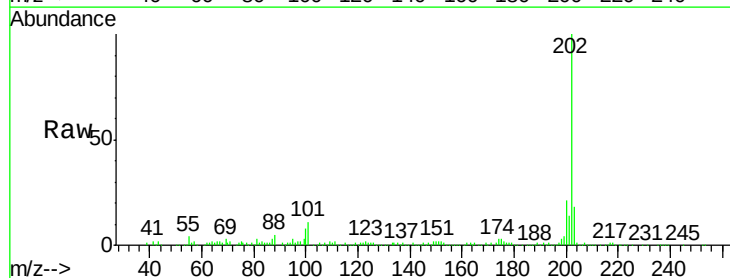
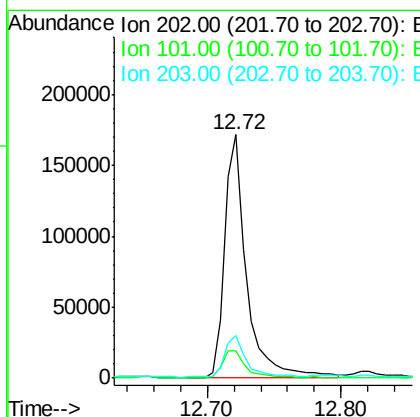
Manual Integrations
 APPROVED

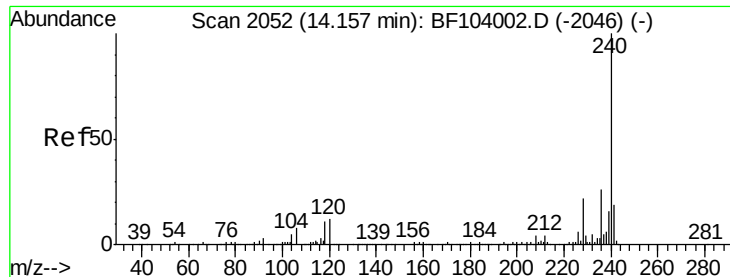
Sohil
 3/30/2018 6:01:31 PM



#74
 Fluoranthene
 Concen: 13.148 ng/mL
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Instrument :

BNA_F

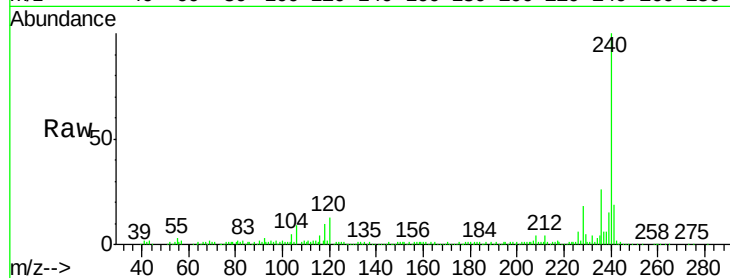
ClientSampleId :

TPIAS

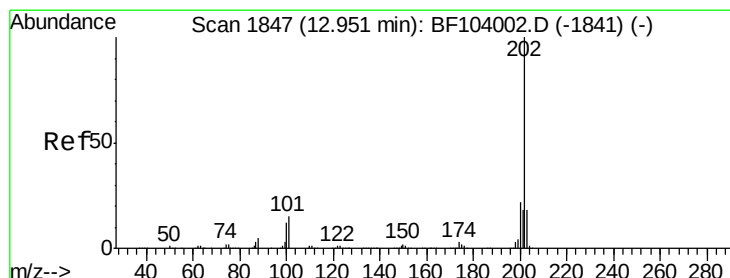
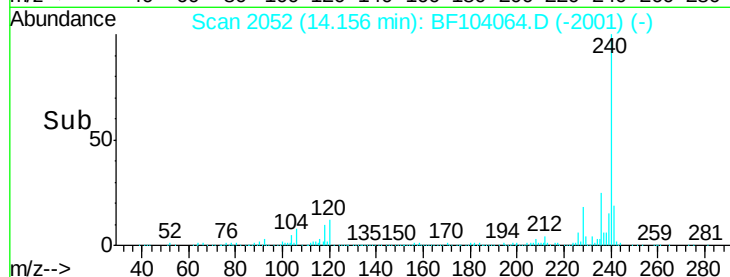
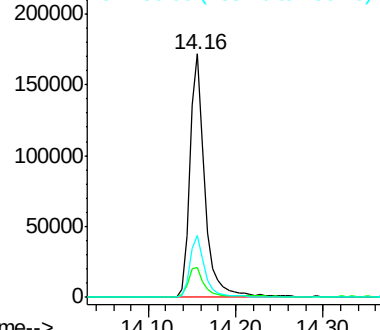
Tot Ion:	240	Resp:	204640
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
3/30/2018 6:01:31 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: 10.185 ng

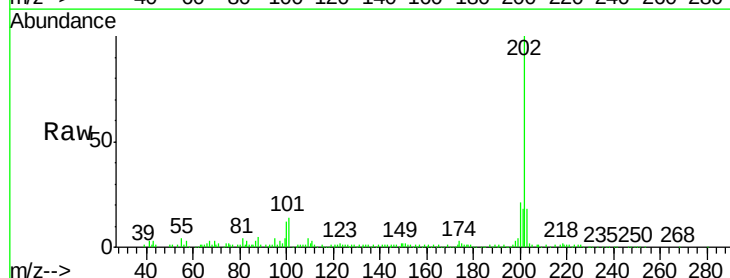
RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

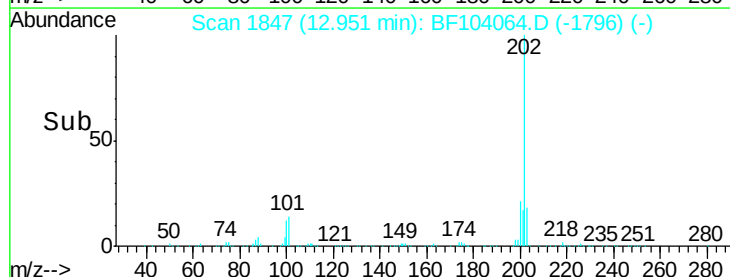
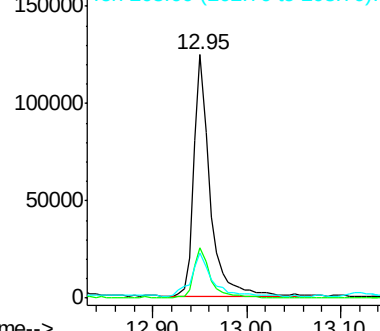
Lab File: BF104064.D

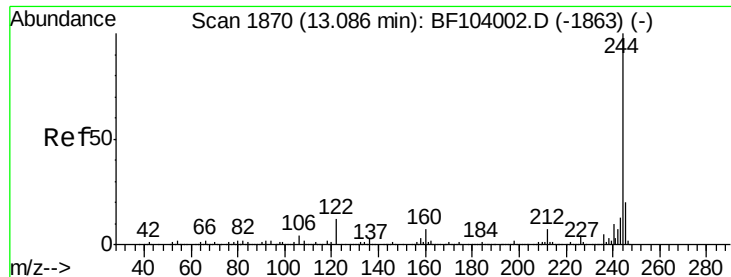
Acq: 29 Mar 2018 21:07

Tgt Ion:	202	Resp:	149822
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.5	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: 11.642 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Instrument :

BNA_F

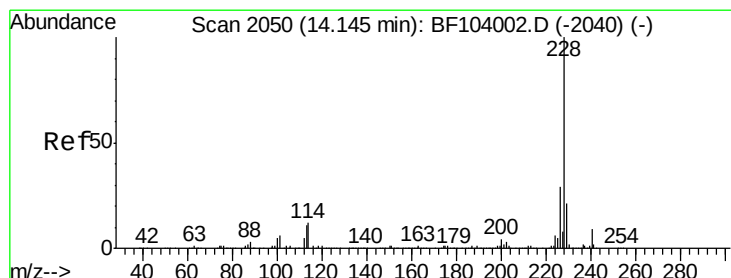
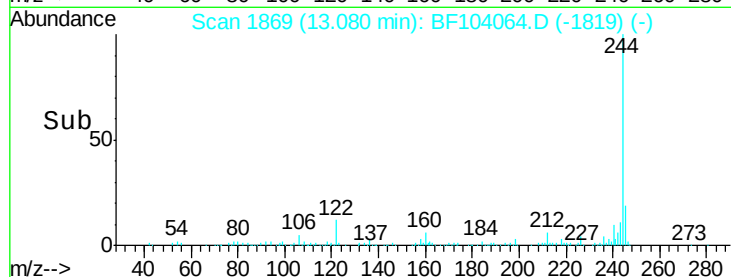
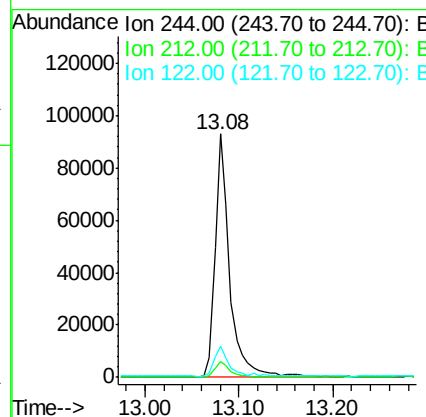
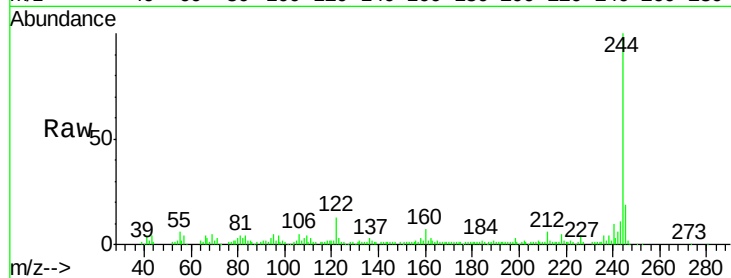
ClientSampleId :

TPIAS

Tot Ion:	244	Resp:	103184
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	12.8	11.0	16.4

Manual Integrations
APPROVED

Sohil
3/30/2018 6:01:31 PM



#80

Benzo(a)anthracene

Concen: 8.333 ng

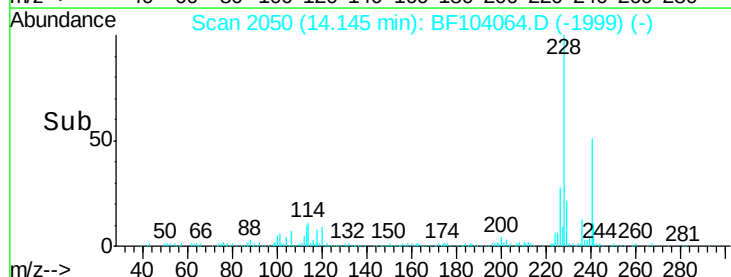
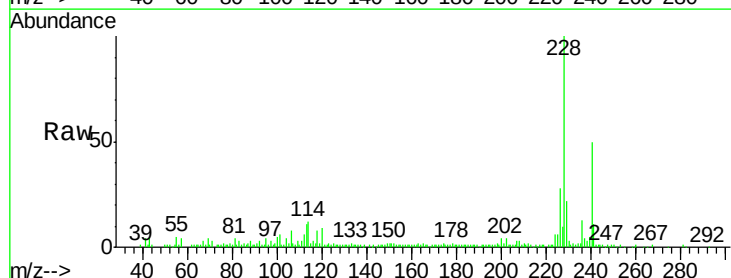
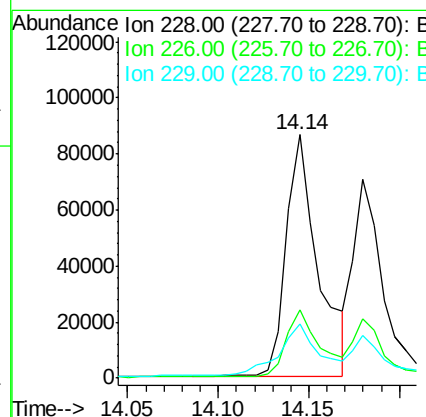
RT: 14.14 min Scan# 2050

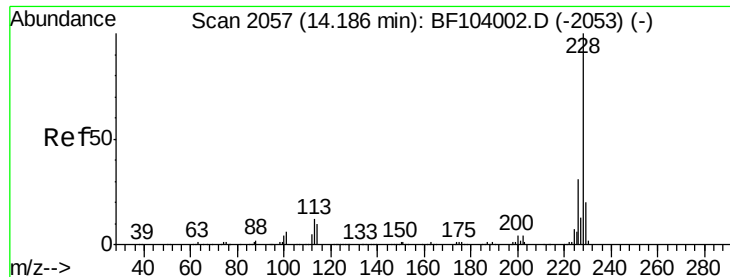
Delta R.T. -0.00 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Tgt Ion:	228	Resp:	106698
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	22.2	15.8	23.6





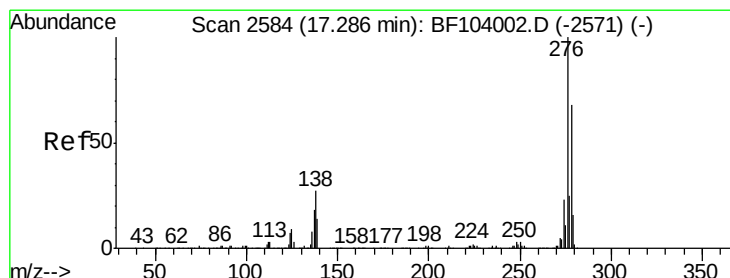
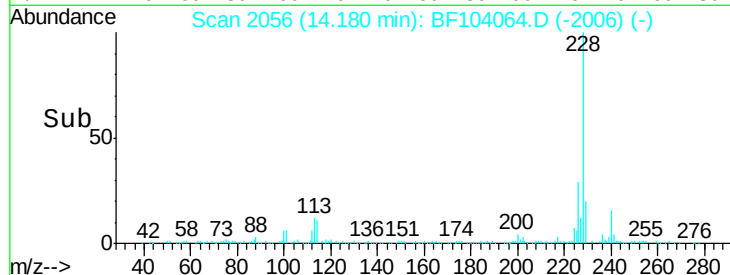
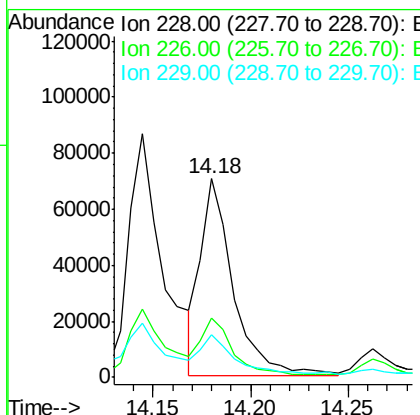
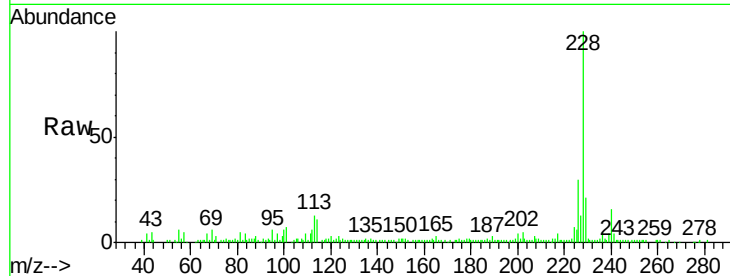
#82
Chrysene
Concen: 6.456 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampled :
TPIAS

Tot Ion:	228	Resp:	80973
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	21.3	16.2	24.4

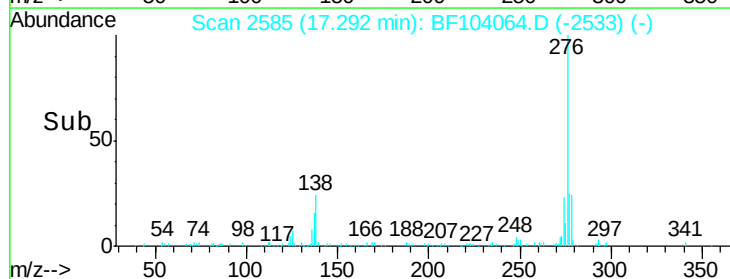
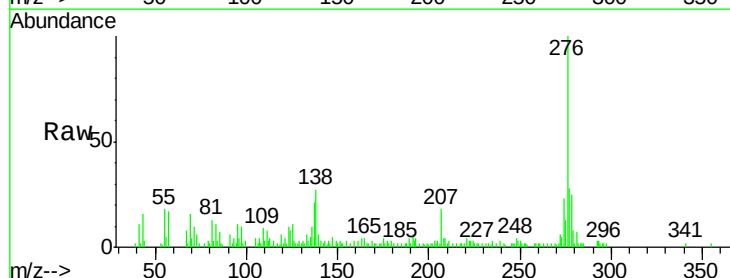
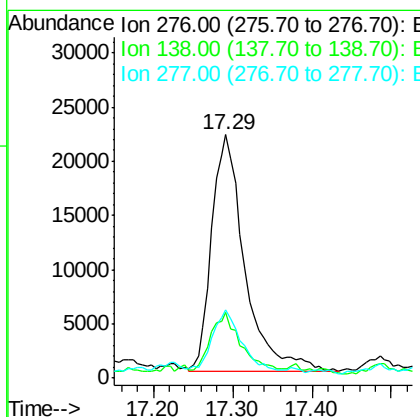
Manual Integrations
APPROVED

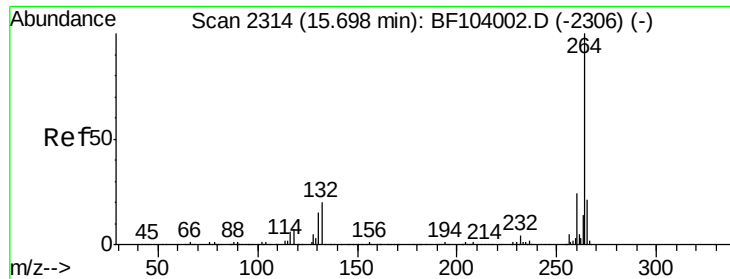
Sohil
3/30/2018 6:01:31 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.876 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:	276	Resp:	63364
Ion Ratio	Lower	Upper	
276	100		
138	21.6	25.0	37.6#
277	21.9	20.1	30.1





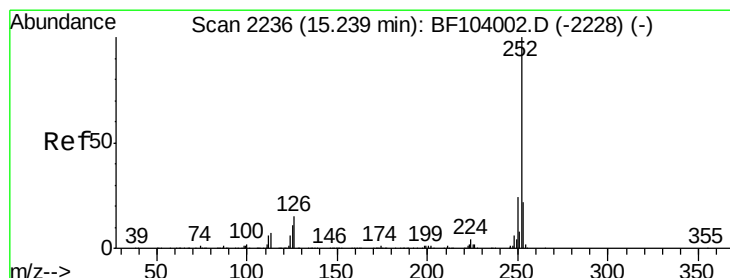
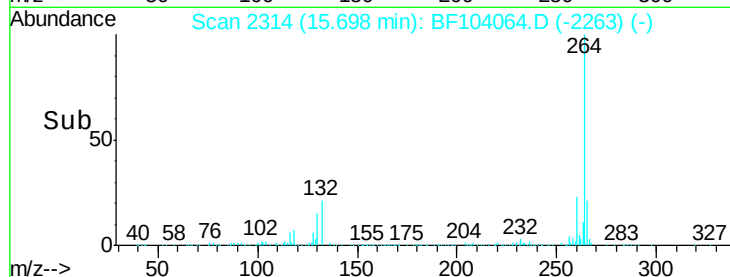
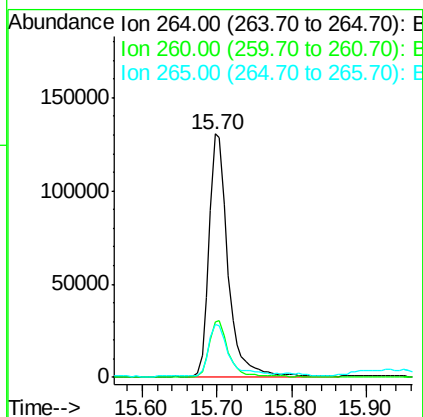
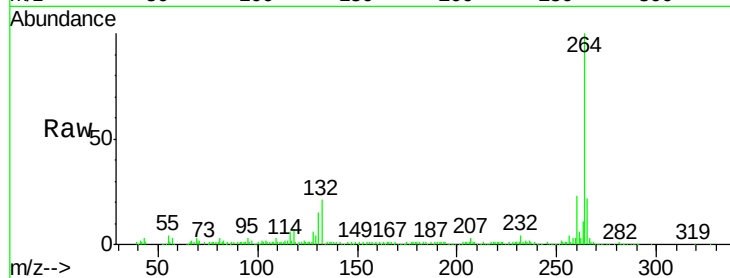
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampleId :
TPIAS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.6	17.5	26.3

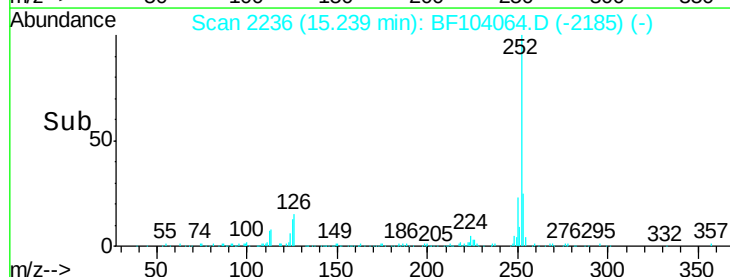
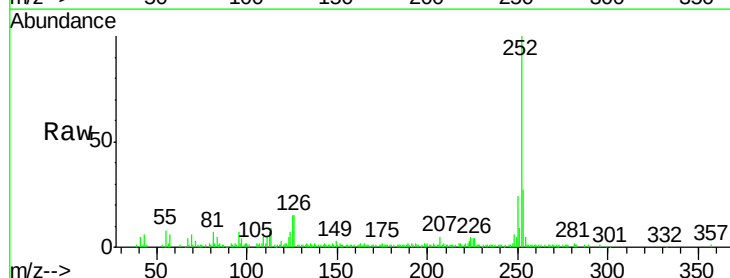
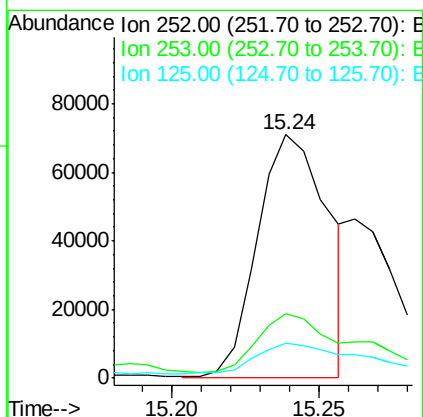
Manual Integrations
APPROVED

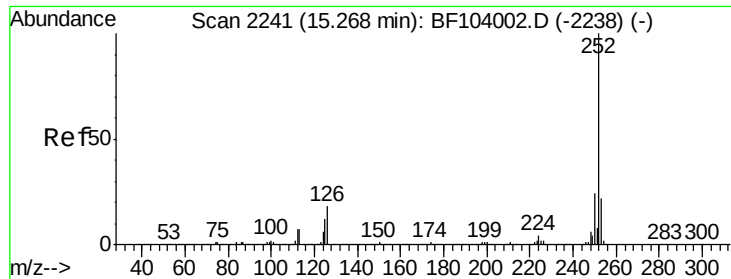
Sohil
3/30/2018 6:01:31 PM



#87
Benzo(b)fluoranthene
Concen: 8.441 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.6#
125	14.6	9.0	13.6#





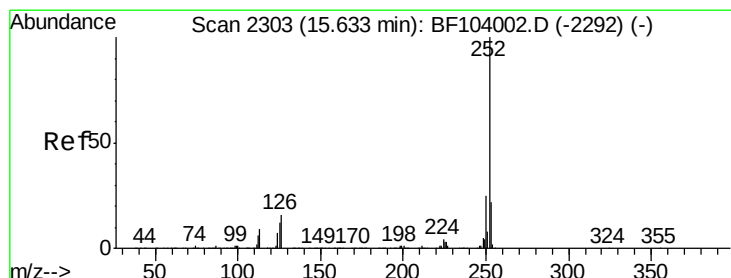
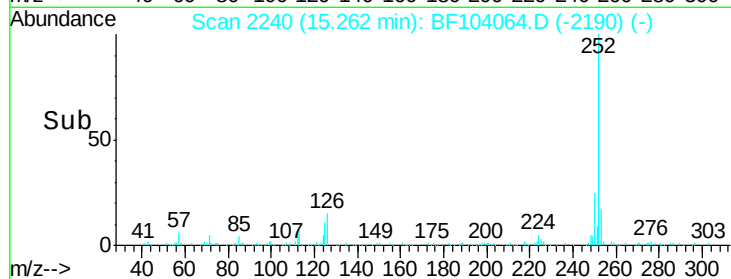
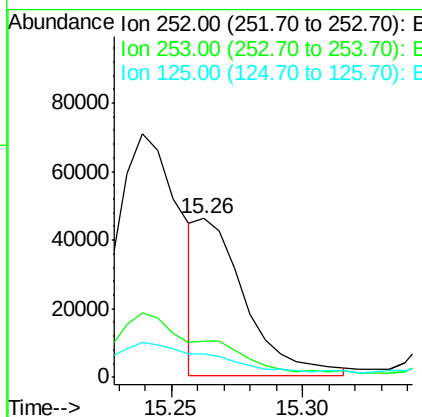
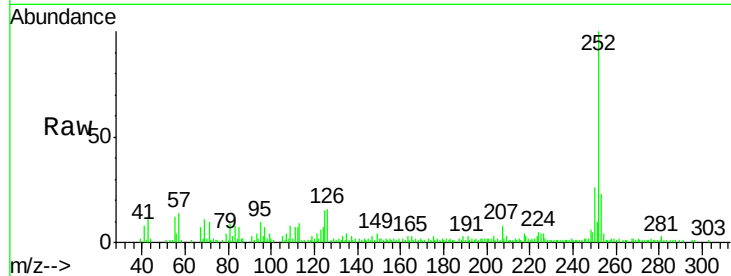
#88
Benzo(k)fluoranthene
Concen: 4.464 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampled :
TPIAS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.6	10.2	15.2

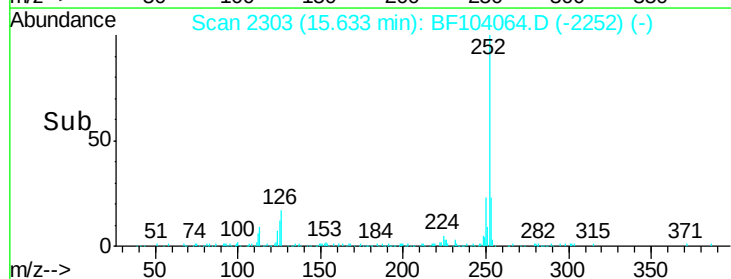
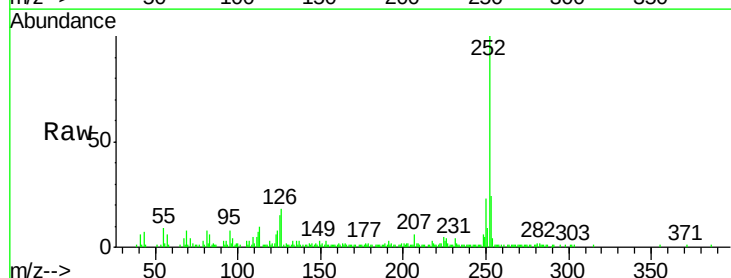
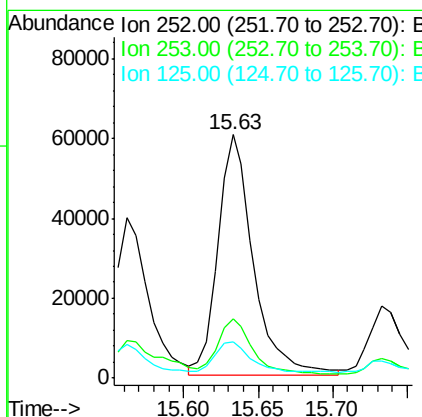
Manual Integrations
APPROVED

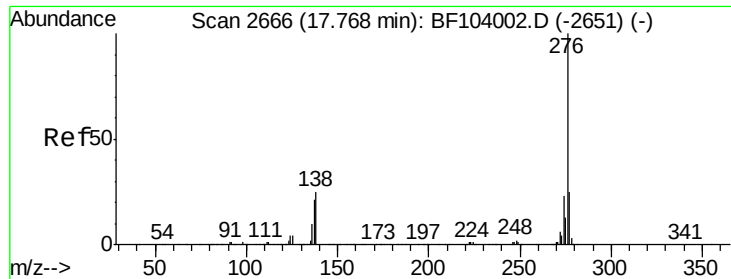
Sohil
3/30/2018 6:01:31 PM



#89
Benzo(a)pyrene
Concen: 7.772 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	14.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.837 ng/ml
 RT: 17.77 min Scan# 2667
 Delta R.T. 0.01 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :
 TPIAS

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	25.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/30/2018 6:01:31 PM

