

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106794.D
 Acq On : 26 Jun 2018 1:25
 Operator : JU/SJ
 Sample : J3642-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Manual Integrations
 APPROVED

Sohil
 6/27/2018 10:55:58 AM

Quant Time: Jun 26 05:18:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	51383	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	180411	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	79230	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	147605	20.00	ng	0.00
75) Chrysene-d12	14.15	240	119133	20.00	ng	-0.02
86) Perylene-d12	15.69	264	89833	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	320797	105.72	ng	0.00
7) Phenol-d6	6.61	99	392081	103.47	ng	0.00
23) Nitrobenzene-d5	7.52	82	238112	73.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	104266	113.54	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	400413	85.66	ng	0.00
78) Terphenyl-d14	13.08	244	414235	84.23	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.27	128	36638	4.344	ng	99
37) 2-Methylnaphthalene	8.96	142	16071	2.875	ng	93
48) Acenaphthylene	9.87	152	32060	4.086	ng	99
49) Dimethylphthalate	9.71	163	75181	12.652	ng	98
57) Fluorene	10.55	166	12436	2.316	ng	# 98
70) Phenanthrene	11.52	178	141403	19.862	ng	98
71) Anthracene	11.57	178	44857	6.173	ng	98
74) Fluoranthene	12.72	202	299318	38.145	ng	95
77) Pyrene	12.95	202	247921	31.558	ng	99
80) Benzo(a)anthracene	14.14	228	77493	10.673	ng	93
82) Chrysene	14.18	228	105518	15.796	ng	98
83) Bis(2-ethylhexyl)phthalate	14.10	149	14942	3.618	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.27	276	40547	7.153	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	103986m	18.634	ng	
88) Benzo(k)fluoranthene	15.26	252	25644m	4.826	ng	
89) Benzo(a)pyrene	15.62	252	57097	11.510	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	11171	2.657	ng	# 84
91) Benzo(g,h,i)perylene	17.75	276	49502	12.046	ng	# 87

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

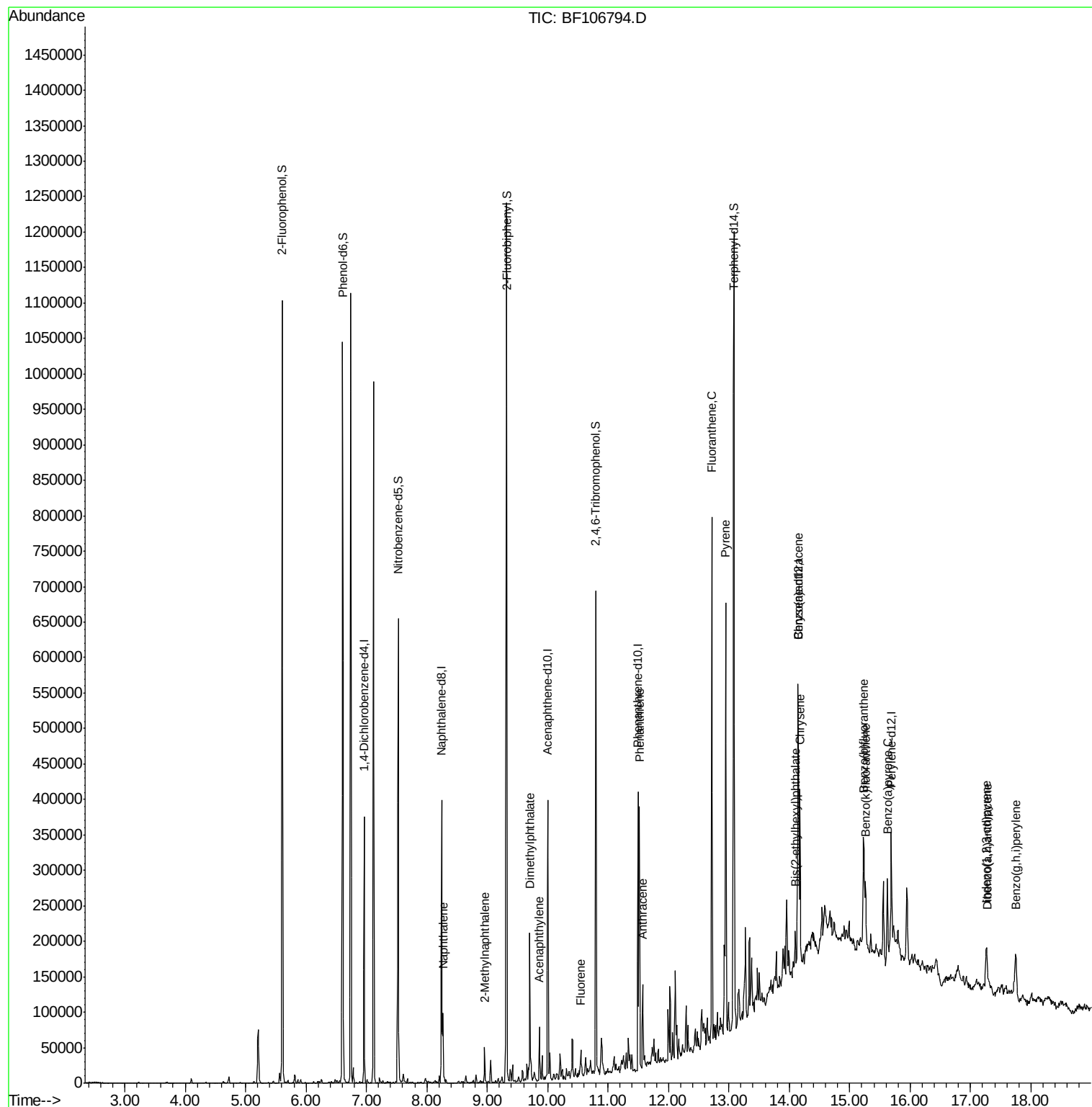
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106794.D
Acq On : 26 Jun 2018 1:25
Operator : JU/SJ
Sample : J3642-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

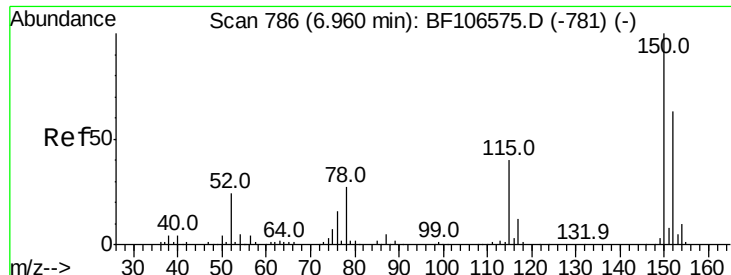
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM

Quant Time: Jun 26 05:18:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration





#1

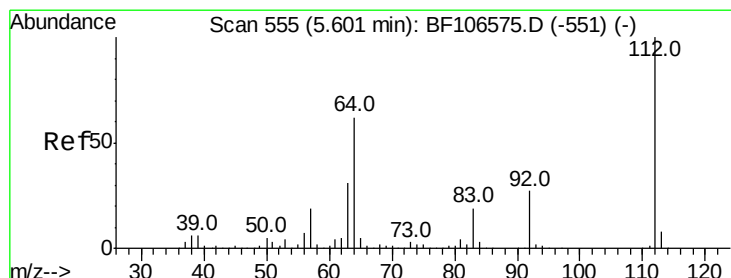
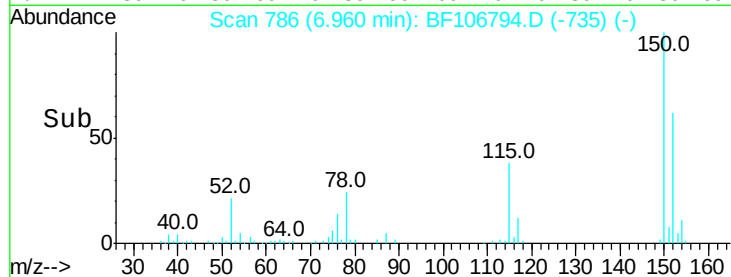
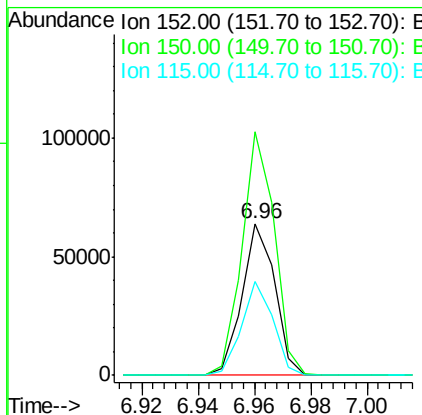
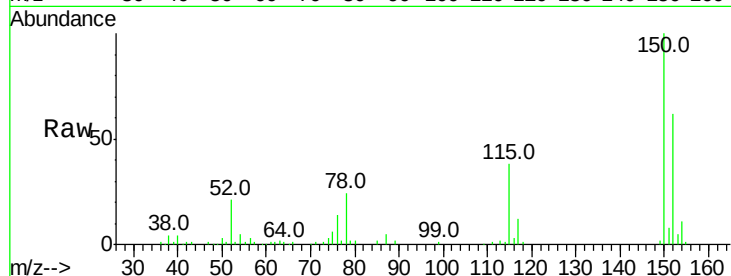
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	61.6	50.1	75.1

Manual Integrations
APPROVED

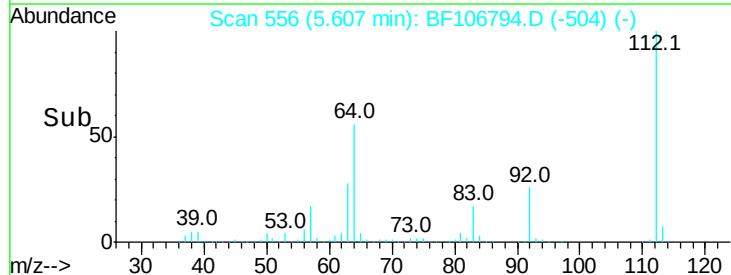
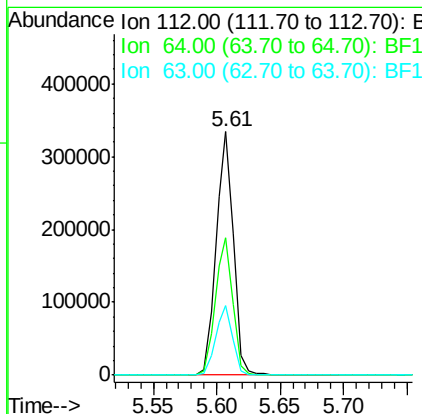
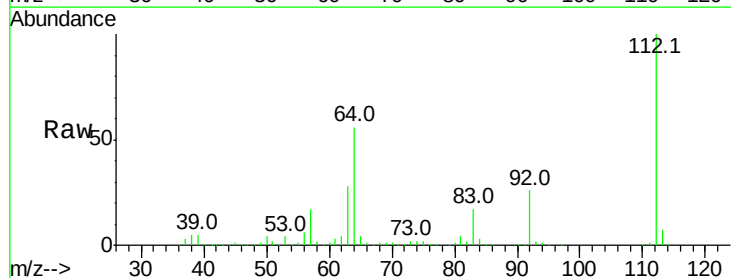
Sohil
6/27/2018 10:55:58 AM

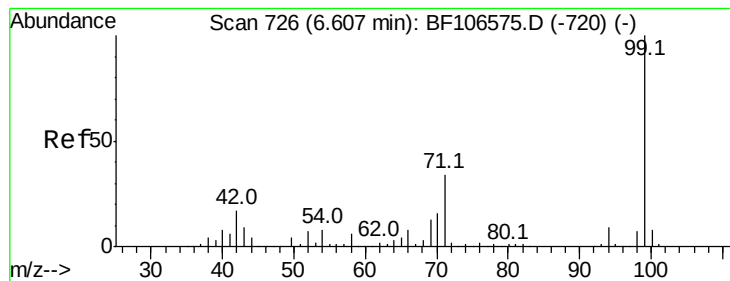


#5

2-Fluorophenol
Concen: 105.718 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 103.467 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Instrument :

BNA_F

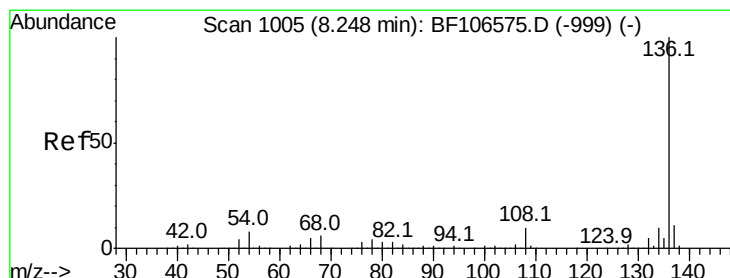
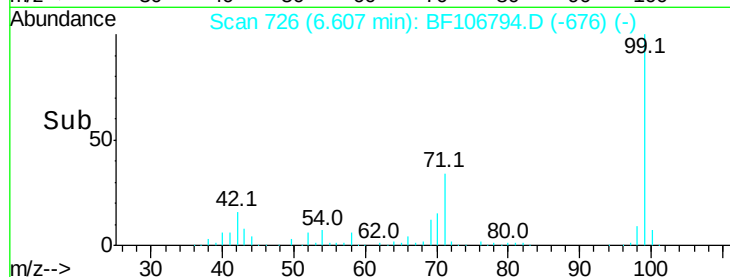
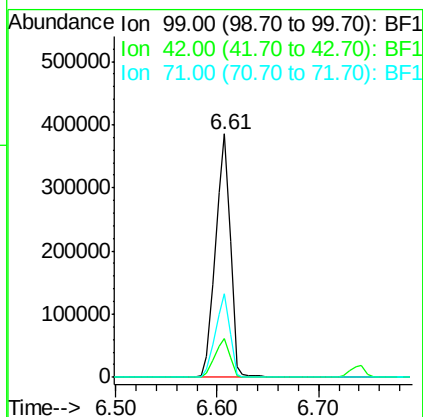
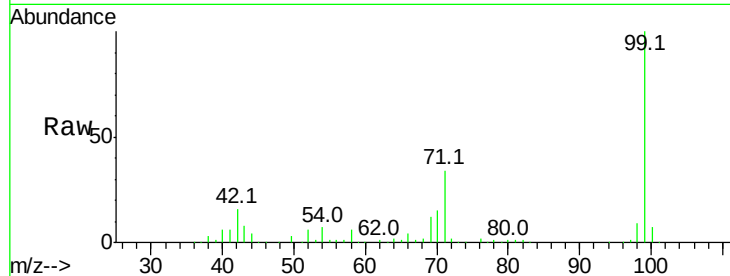
ClientSampled :

TEST-PIT-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		392081		
42	16.0	14.5	21.7		
71	34.2	25.4	38.0		

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM



#21

Naphthalene-d8

Concen: 20.000 ng

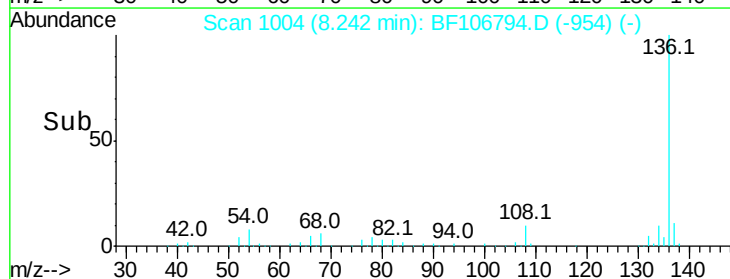
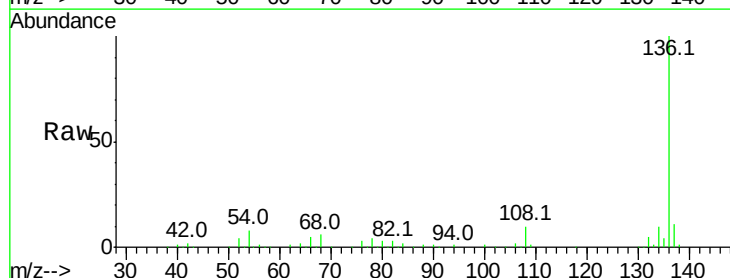
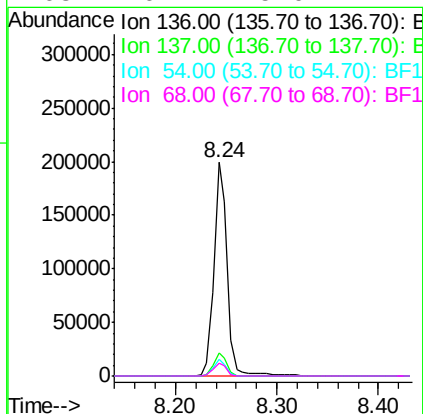
RT: 8.24 min Scan# 1004

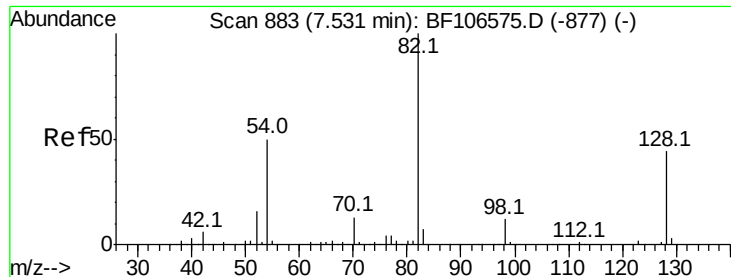
Delta R.T. -0.01 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		180411		
137	11.0	8.9	13.3		
54	8.0	6.6	9.8		
68	6.2	5.0	7.4		





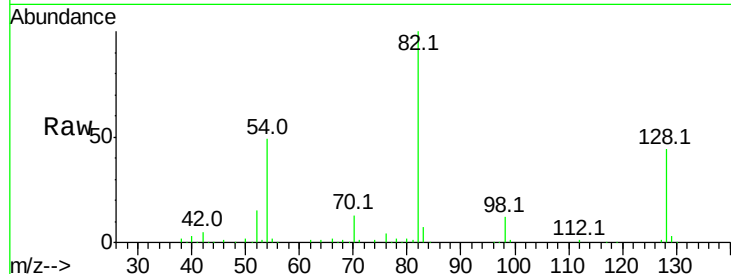
#23
Nitrobenzene-d5
Concen: 73.348 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

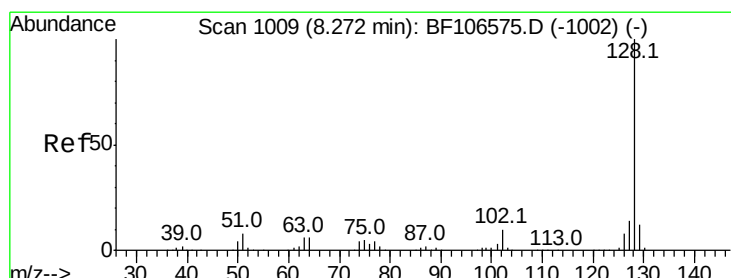
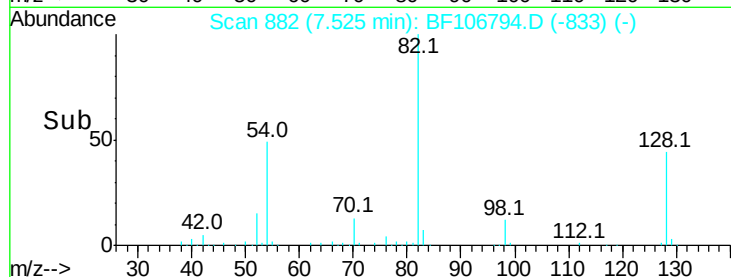
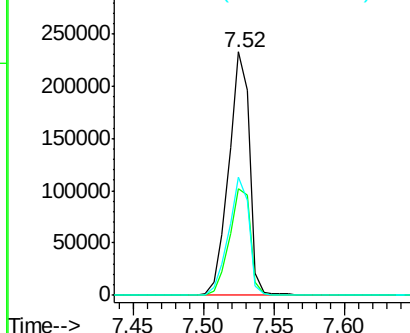
Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	44.0	36.1	54.1
54	48.8	41.4	62.2

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM



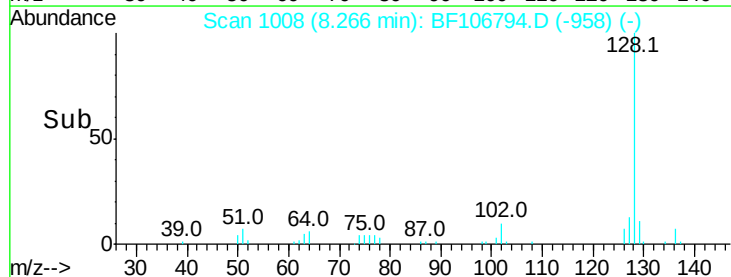
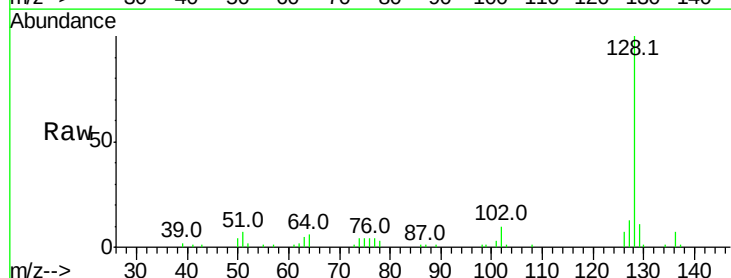
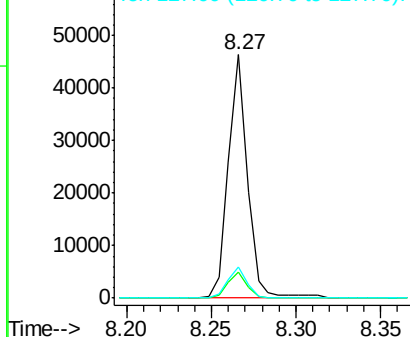
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

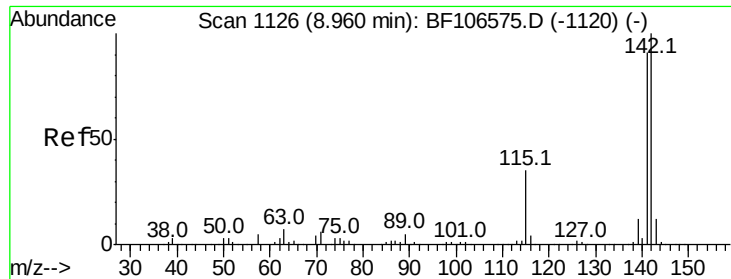


#31
Naphthalene
Concen: 4.344 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





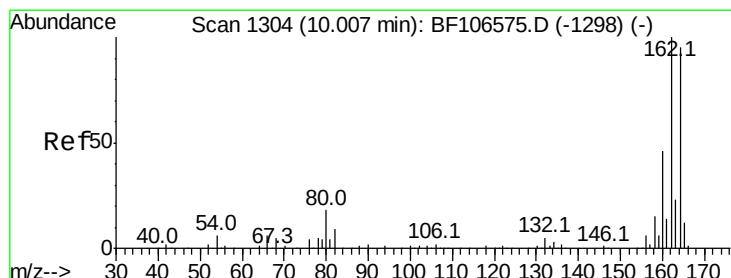
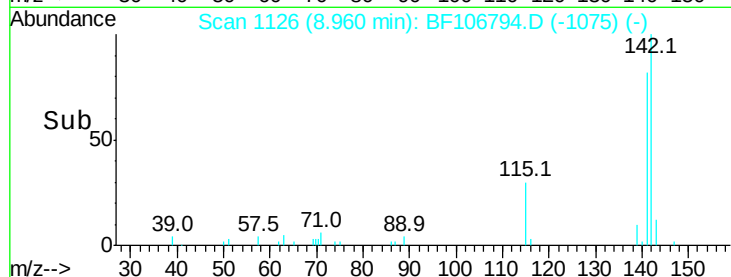
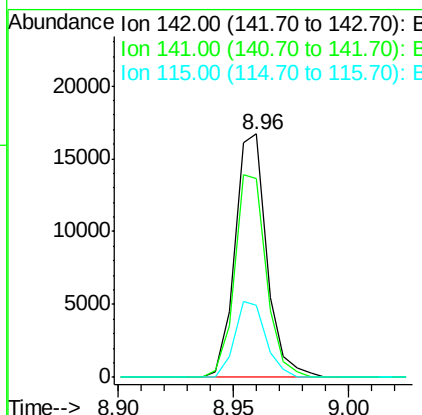
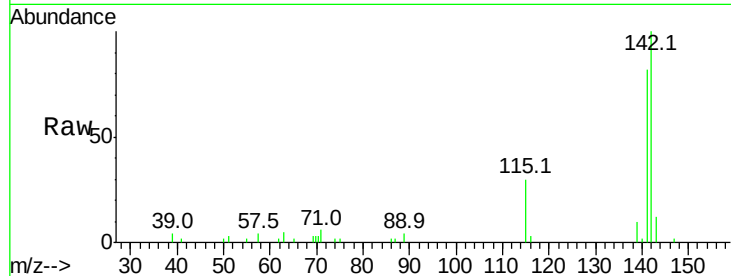
#37
2-Methylnaphthalene
Concen: 2.875 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.7	70.8	106.2
115	29.6	26.1	39.1

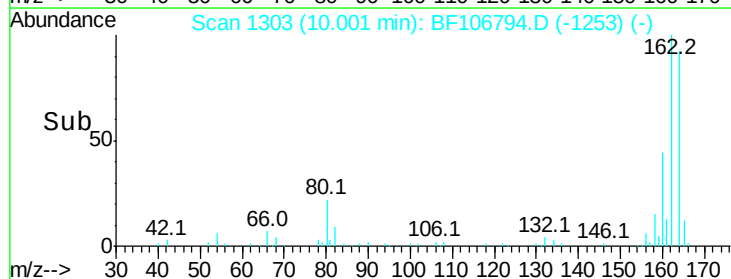
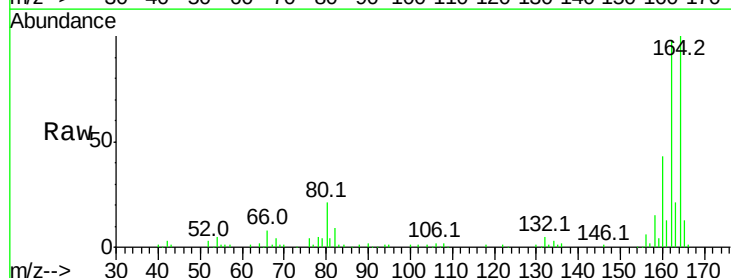
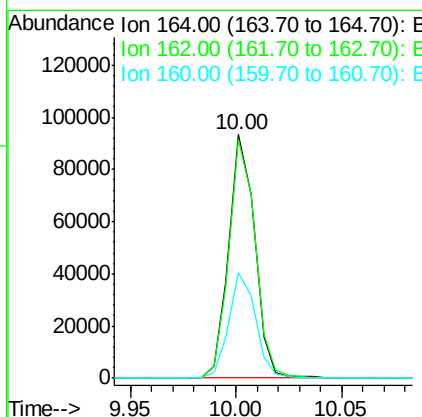
Manual Integrations
APPROVED

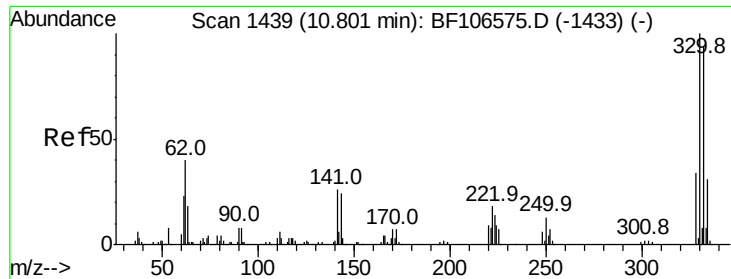
Sohil
6/27/2018 10:55:58 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	86.1	129.1
160	43.2	38.3	57.5





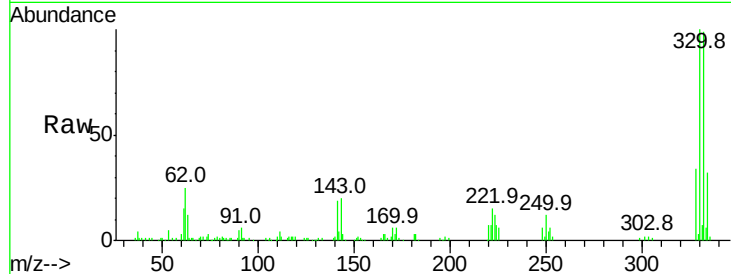
#41
 2,4,6-Tribromophenol
 Concen: 113.543 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Instrument :
 BNA_F
 ClientSampled :
 TEST-PIT-2

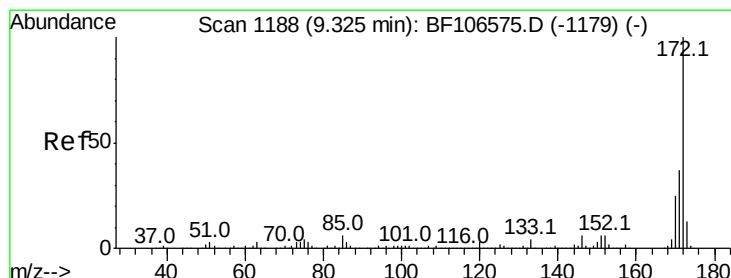
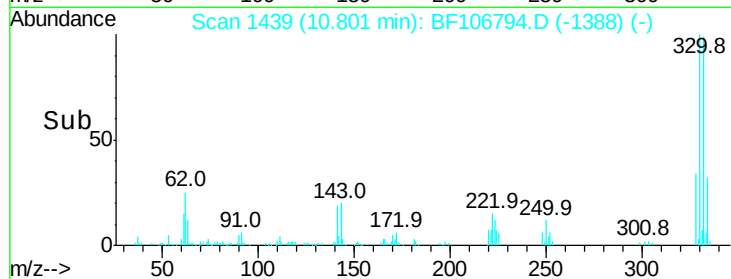
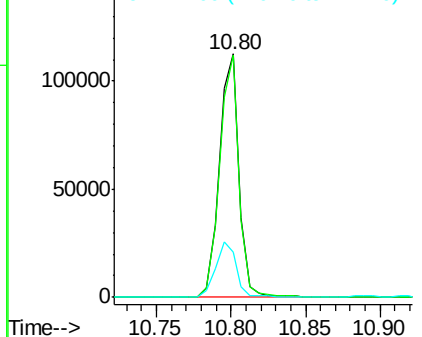
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	24.2	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 6/27/2018 10:55:58 AM



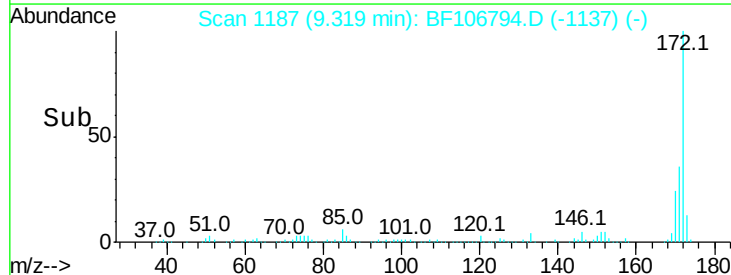
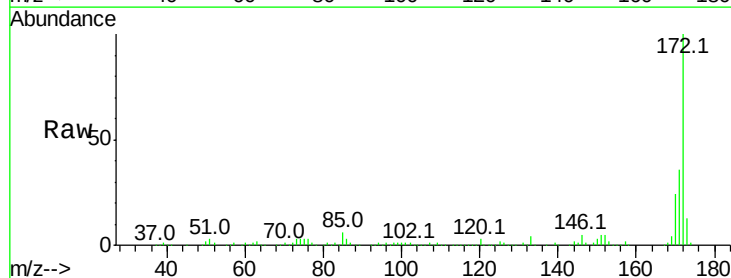
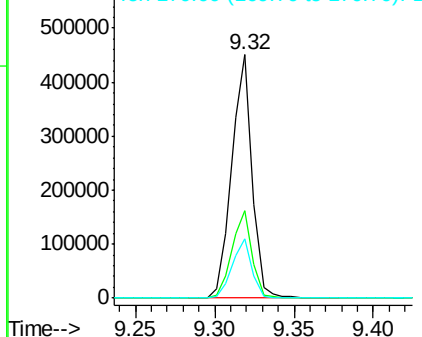
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

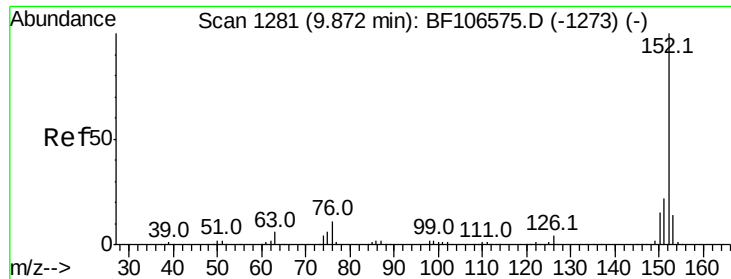


#44
 2-Fluorobiphenyl
 Concen: 85.656 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	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





#48

Acenaphthylene

Concen: 4.086 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Instrument :

BNA_F

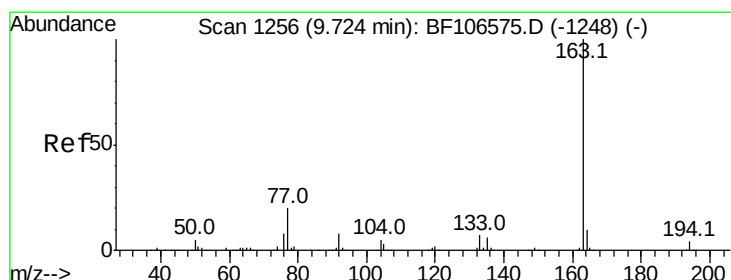
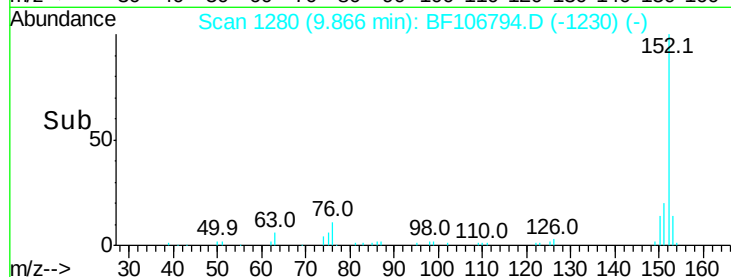
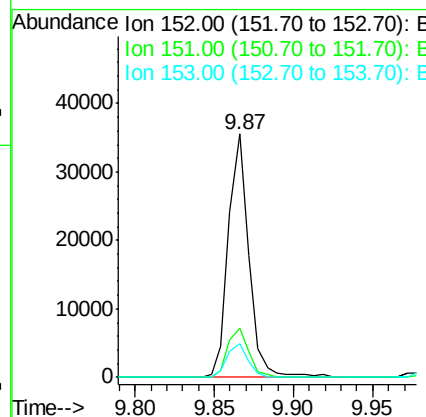
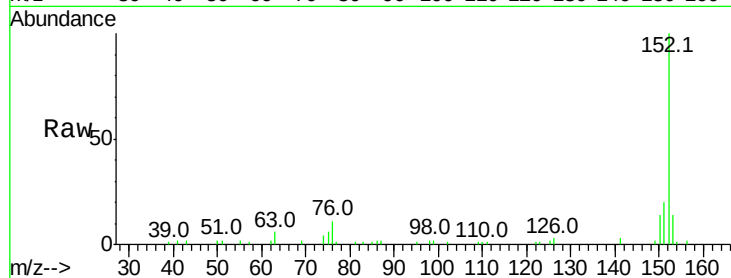
ClientSampleId :

TEST-PIT-2

Tot Ion:	152	Resp:	32060
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.3	24.5
153	14.1	10.7	16.1

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM



#49

Dimethylphthalate

Concen: 12.652 ng

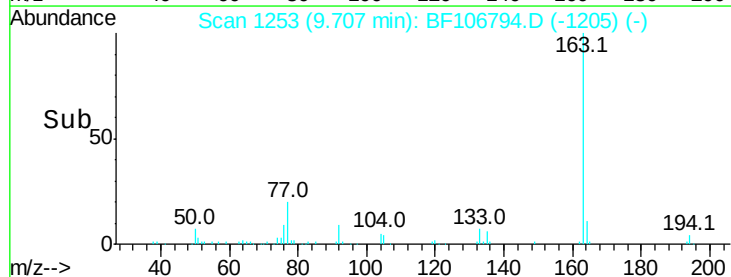
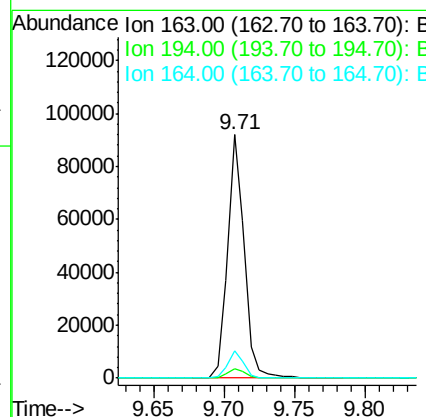
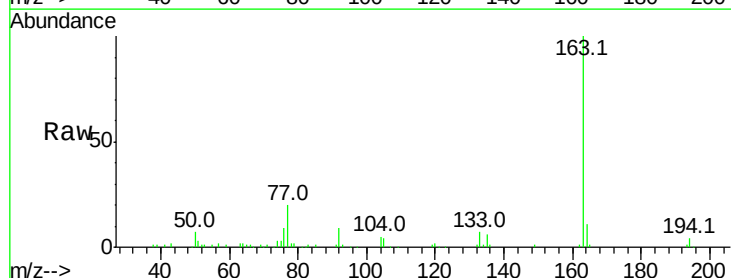
RT: 9.71 min Scan# 1253

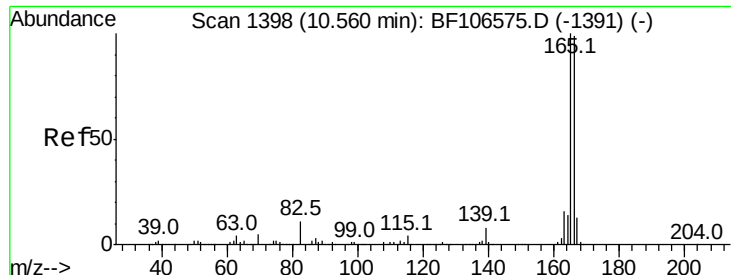
Delta R.T. -0.02 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Tgt Ion:	163	Resp:	75181
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	11.1	8.2	12.2





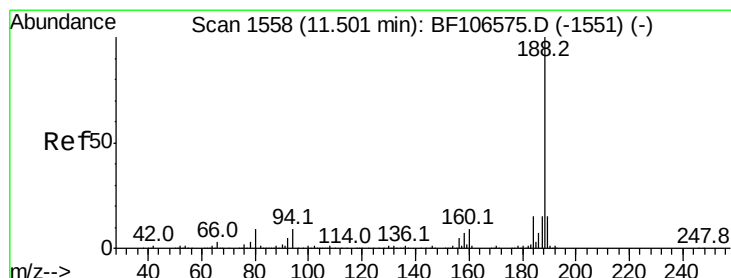
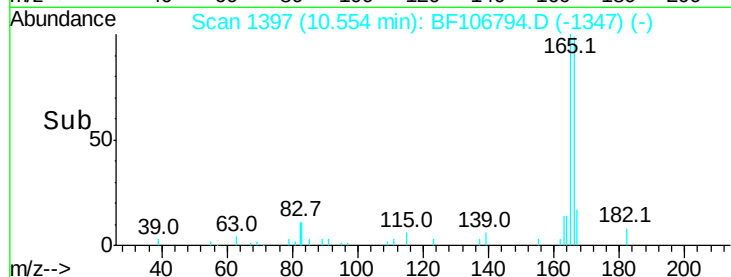
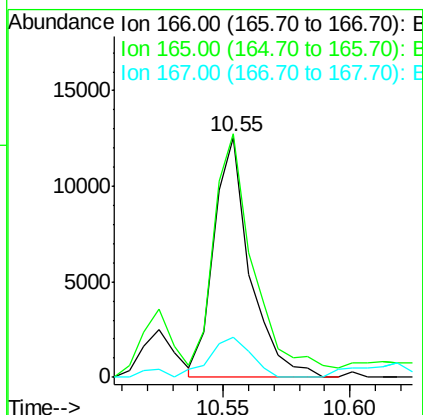
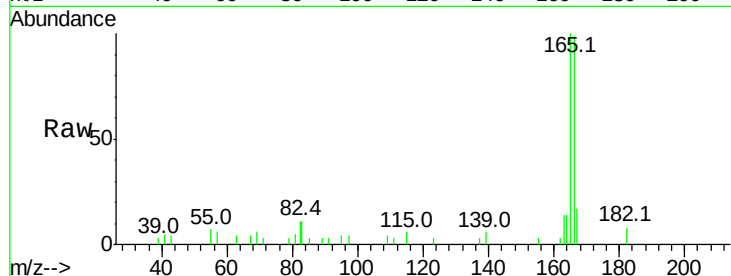
#57
Fluorene
 Concen: 2.316 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	16.8	10.6	16.0

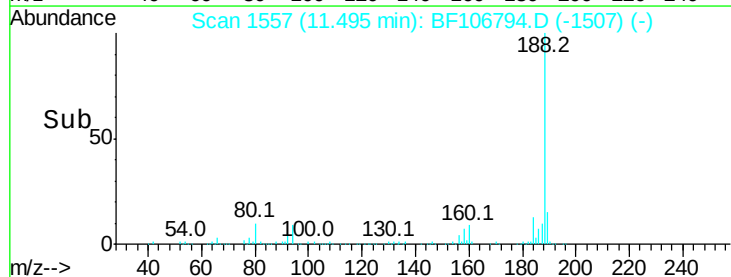
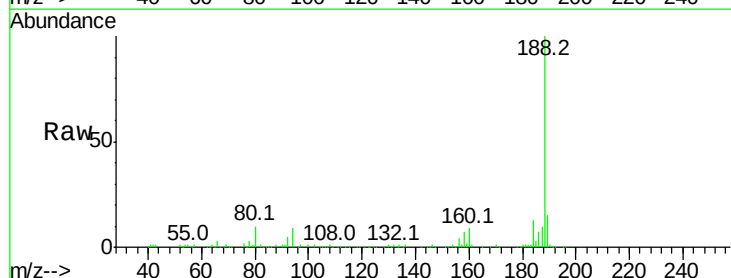
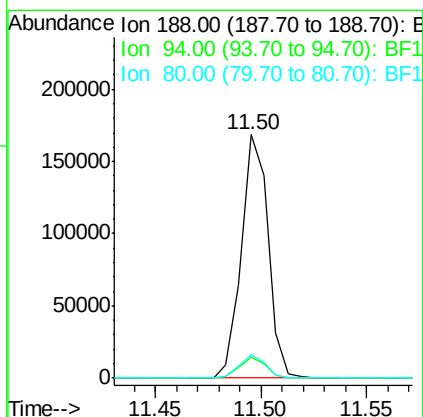
Manual Integrations
 APPROVED

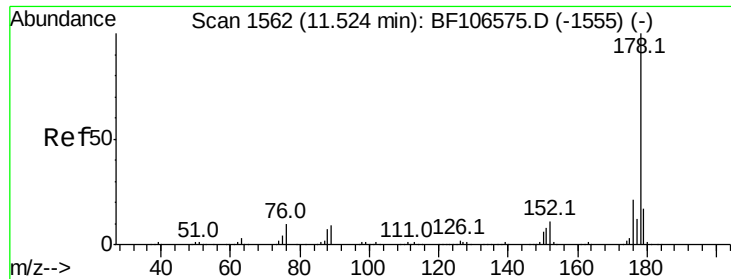
Sohil
 6/27/2018 10:55:58 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.7	9.2	13.8





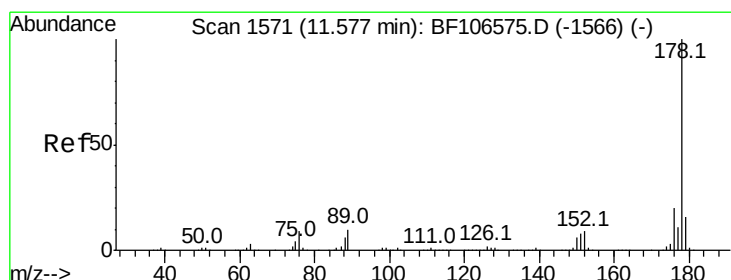
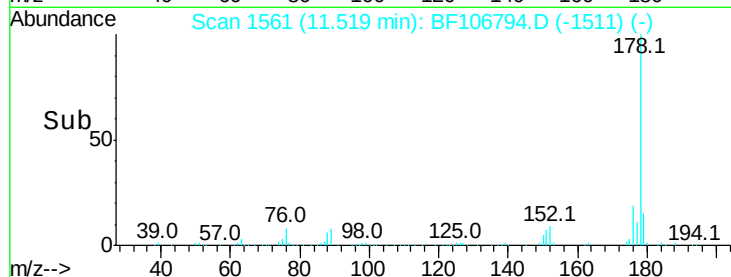
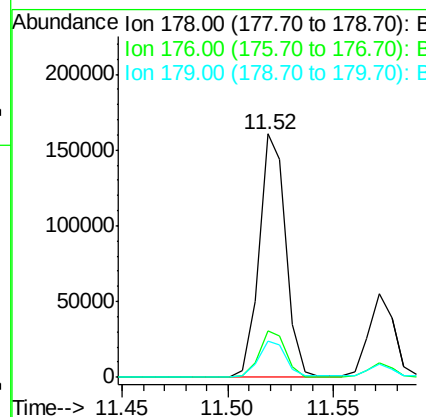
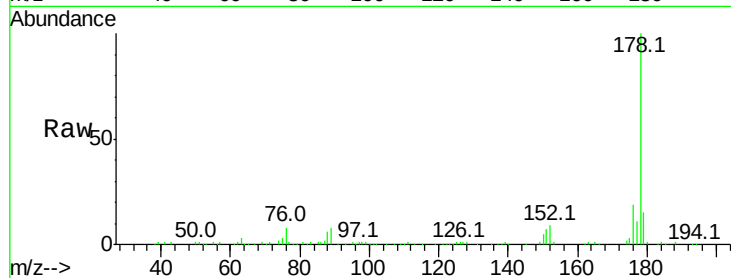
#70
Phenanthrene
Concen: 19.862 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.0	13.0	19.6

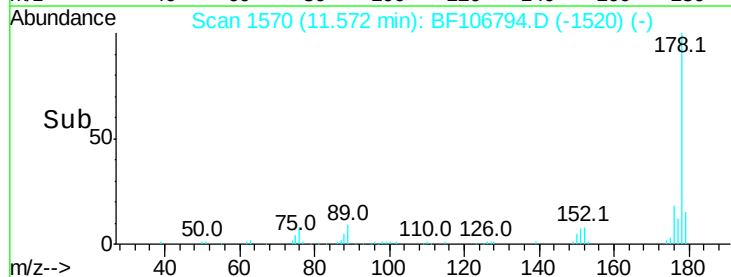
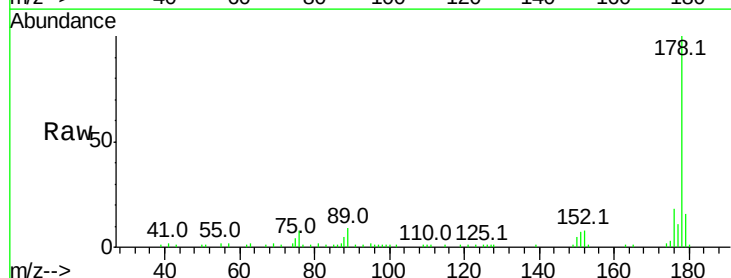
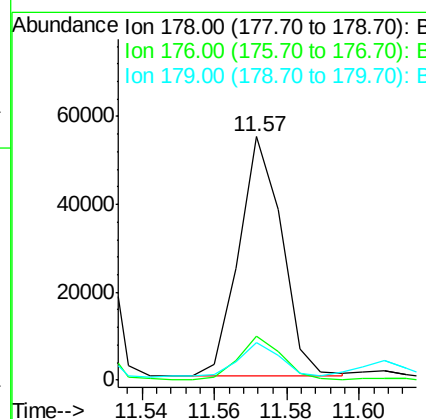
Manual Integrations
APPROVED

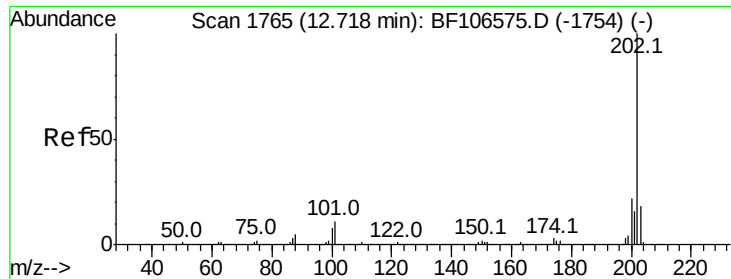
Sohil
6/27/2018 10:55:58 AM



#71
Anthracene
Concen: 6.173 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 38.145 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Instrument :

BNA_F

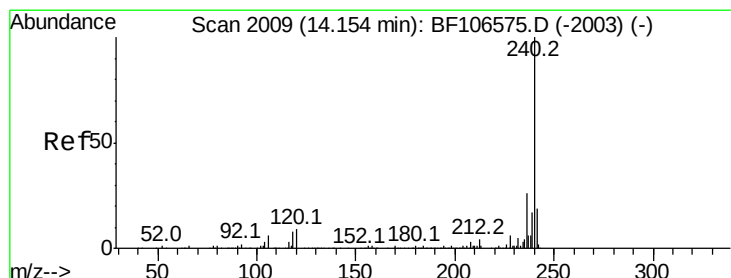
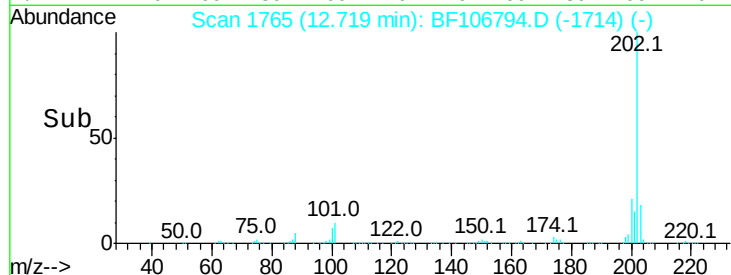
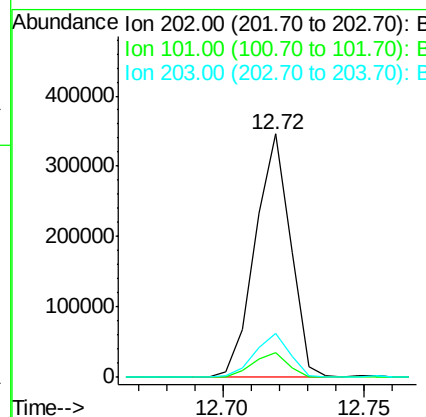
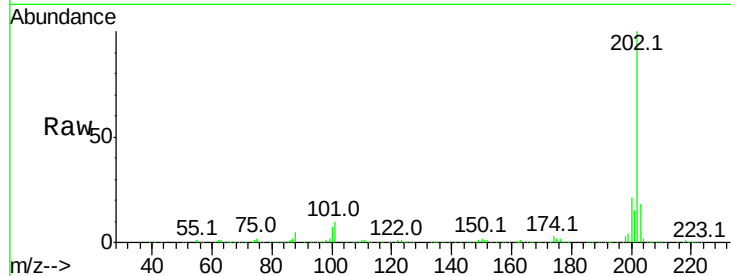
ClientSampleId :

TEST-PIT-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM



#75

Chrysene-d12

Concen: 20.000 ng

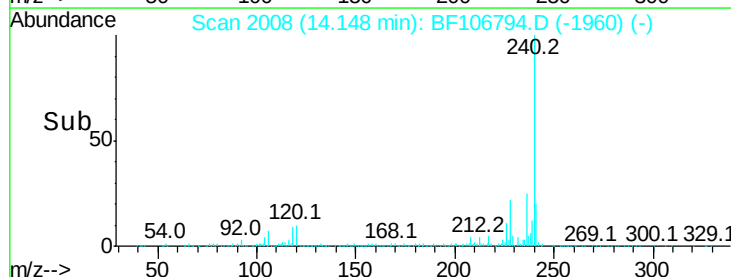
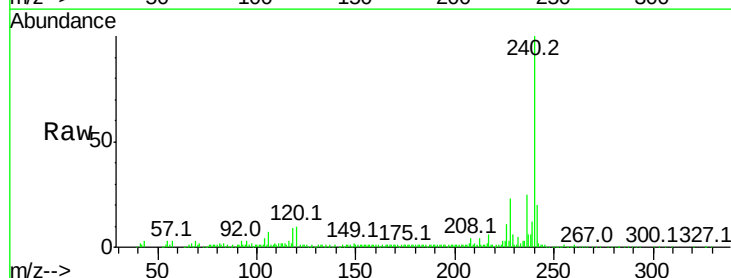
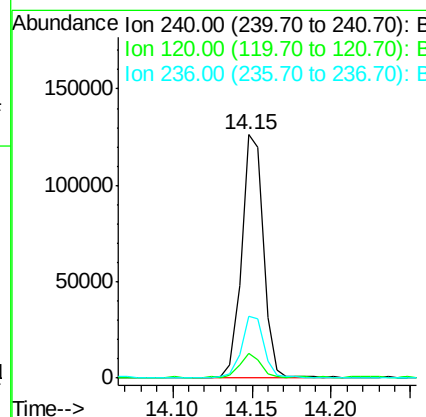
RT: 14.15 min Scan# 2008

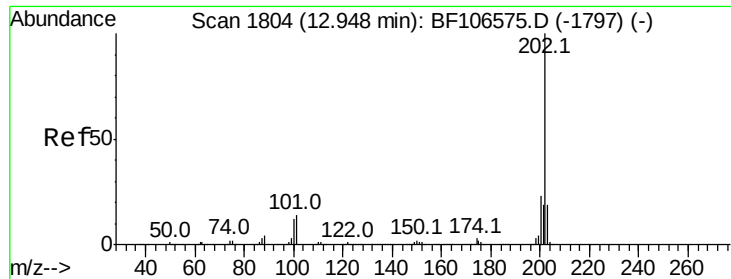
Delta R.T. -0.02 min

Lab File: BF106794.D

Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.4	20.7	31.1





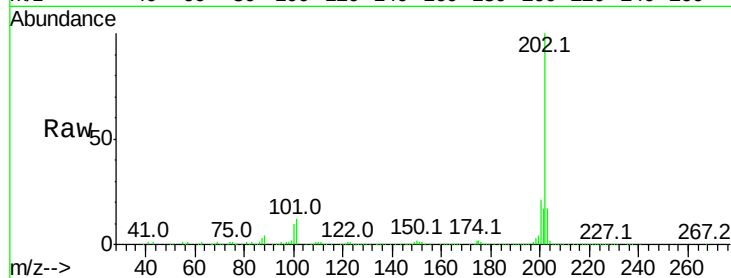
#77
Pvrene
Concen: 31.558 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

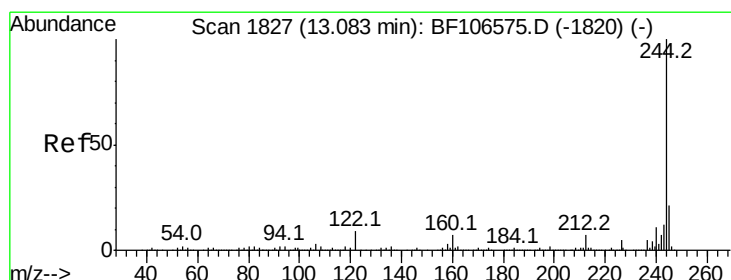
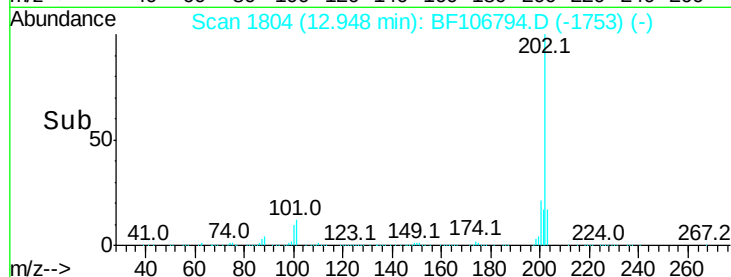
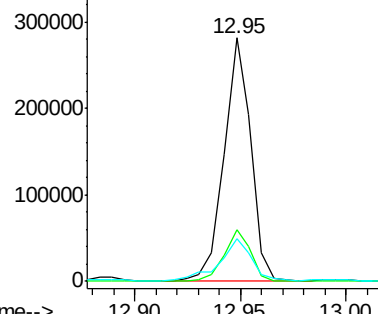
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM

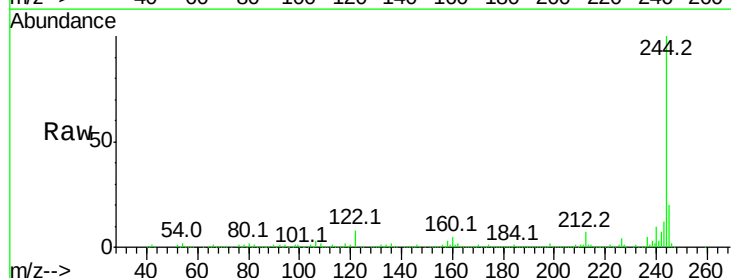


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

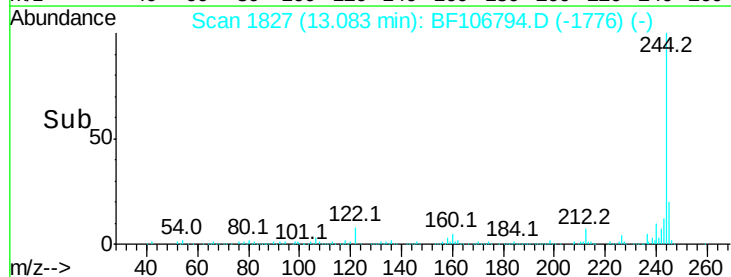
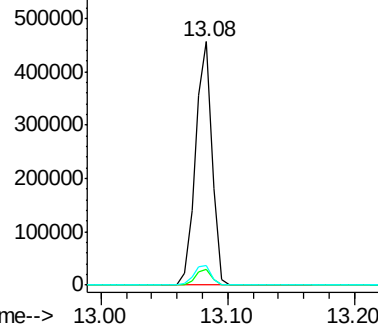


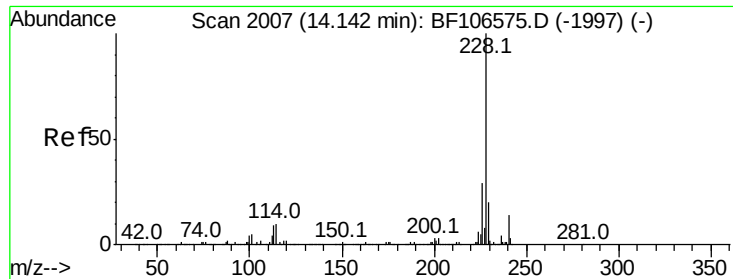
#78
Terphenyl-d14
Concen: 84.225 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.1	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





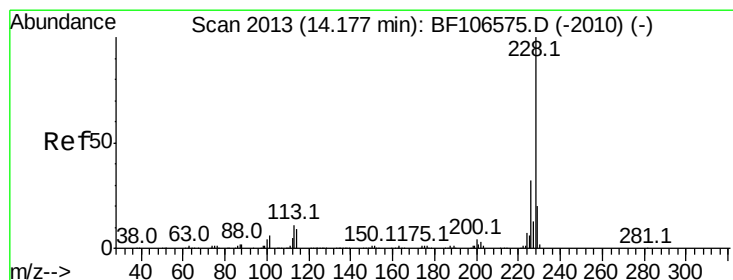
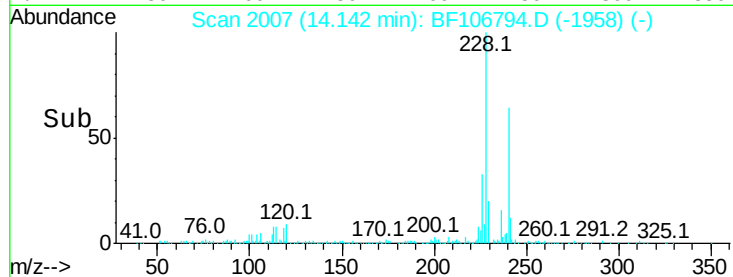
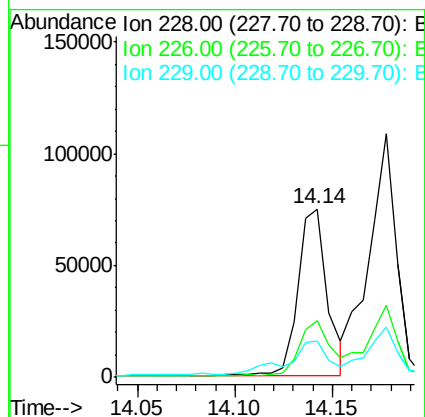
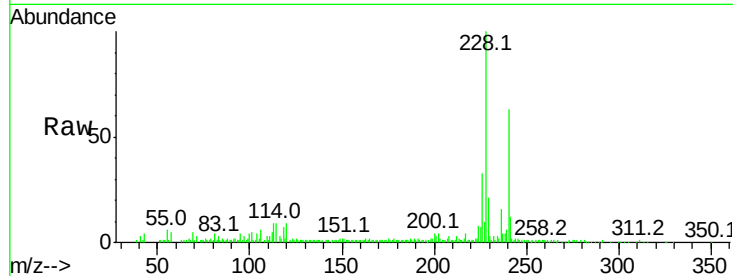
#80
Benzo(a)anthracene
Concen: 10.673 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion:	228	Resp:	77493
Ion Ratio	Lower	Upper	
228	100		
226	33.4	22.6	33.8
229	21.3	15.8	23.6

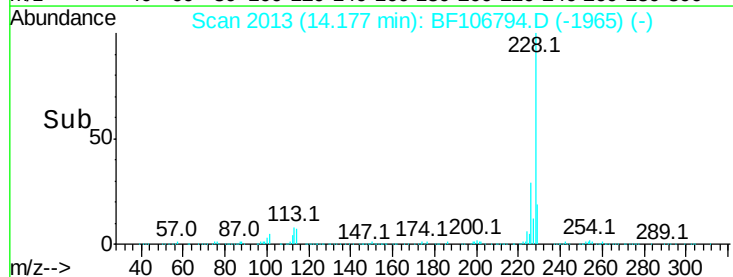
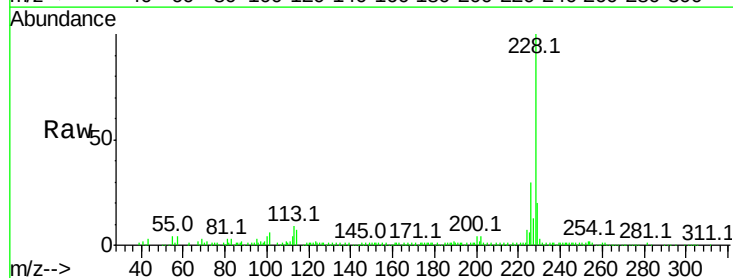
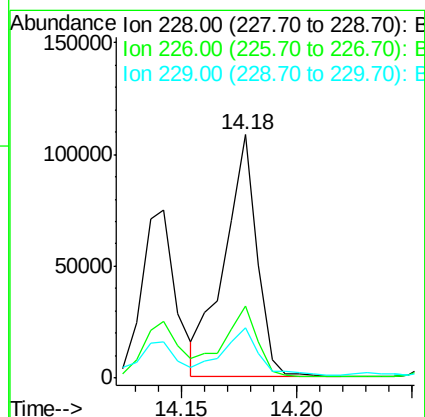
Manual Integrations
APPROVED

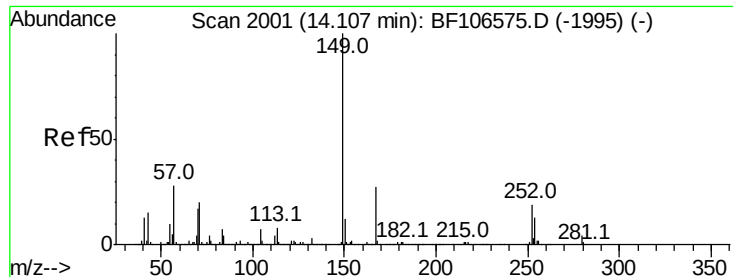
Sohil
6/27/2018 10:55:58 AM



#82
Chrysene
Concen: 15.796 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion:	228	Resp:	105518
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	20.5	16.2	24.4





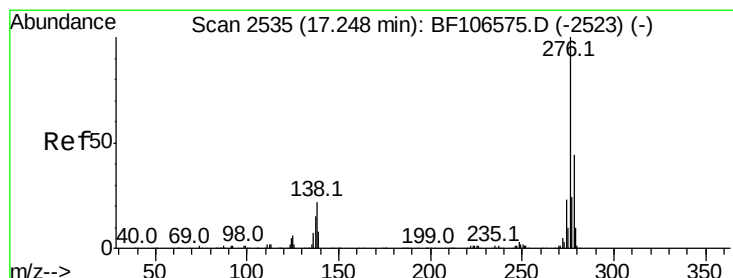
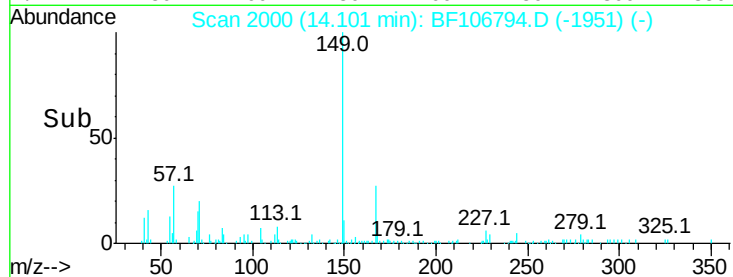
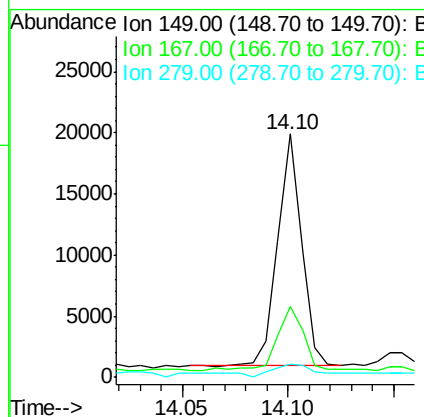
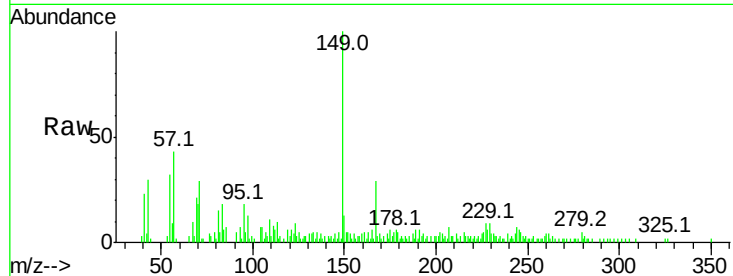
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.618 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Tot Ion	Ratio	Resp	Lower	Upper
149	100	14942		
167	29.3	21.3	31.9	
279	5.3	3.0	4.4#	

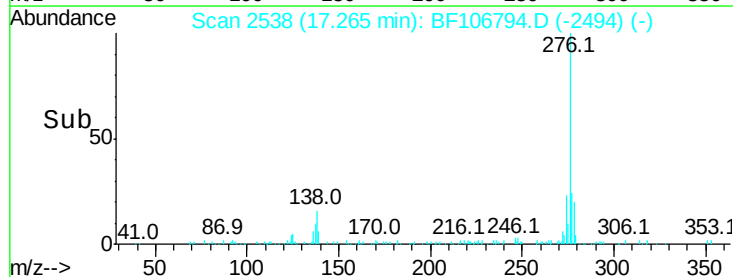
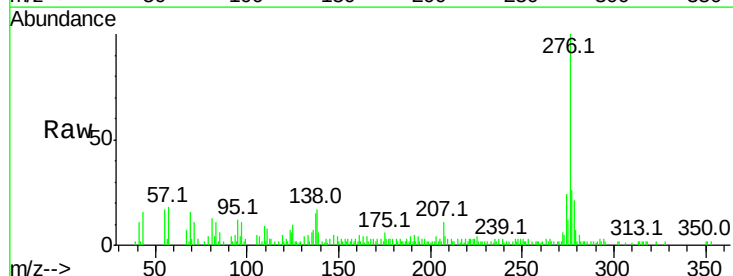
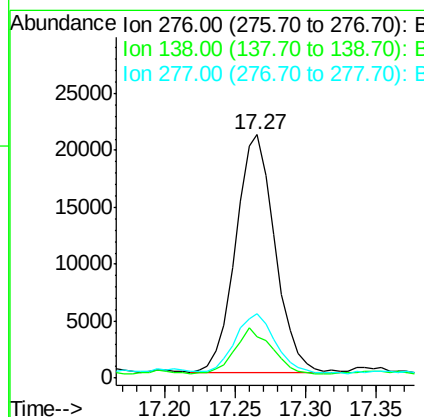
Manual Integrations
 APPROVED

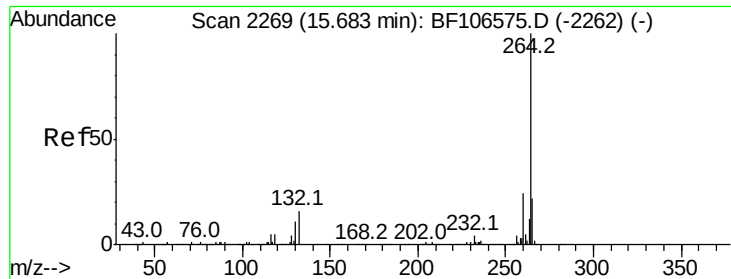
Sohil
 6/27/2018 10:55:58 AM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.153 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF106794.D
 Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	40547		
138	18.2	25.0	37.6#	
277	25.9	20.1	30.1	





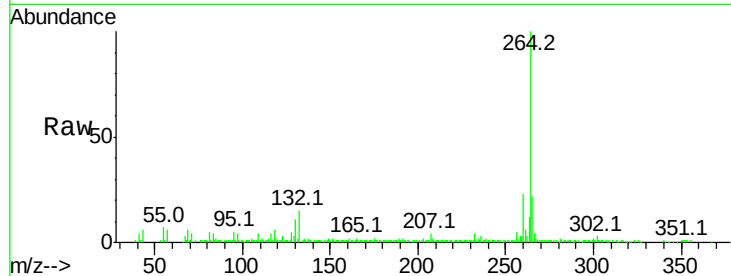
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

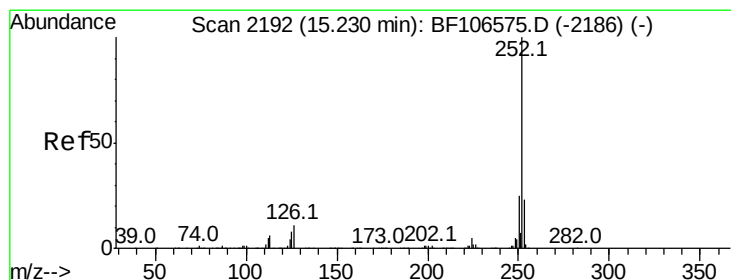
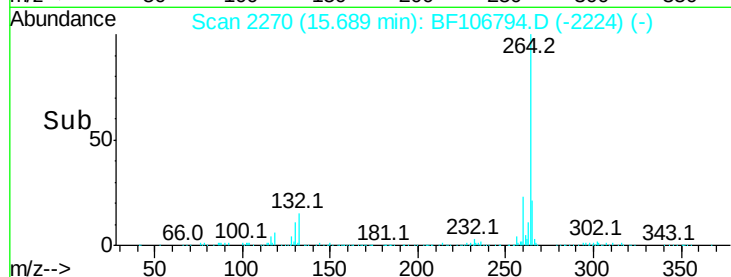
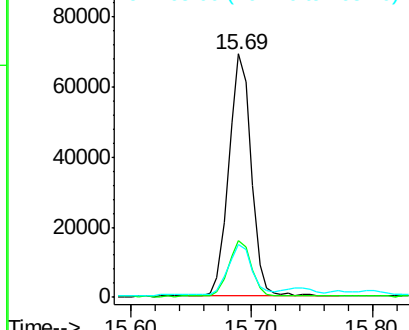
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.5	26.3

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM

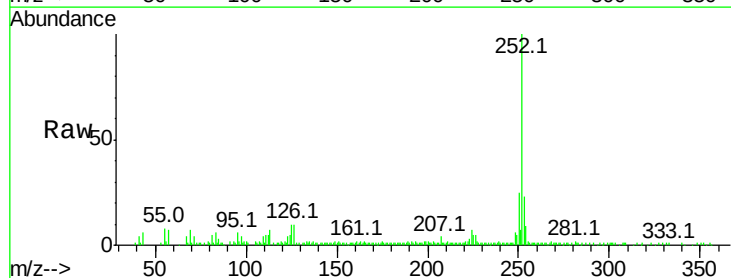


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

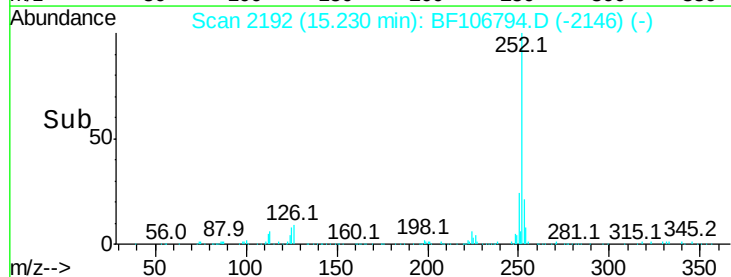
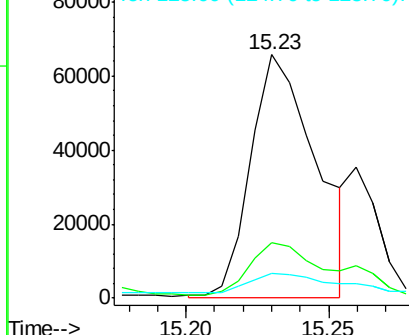


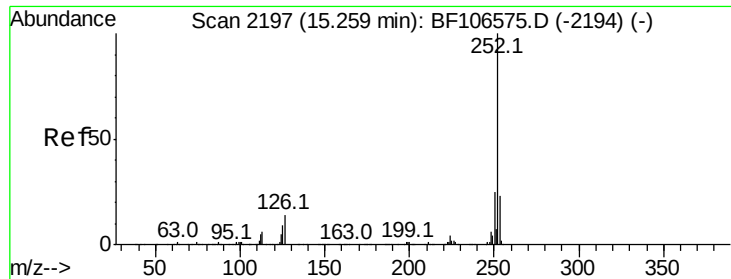
#87
Benzo(b)fluoranthene
Concen: 18.634 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.1	9.0	13.6



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





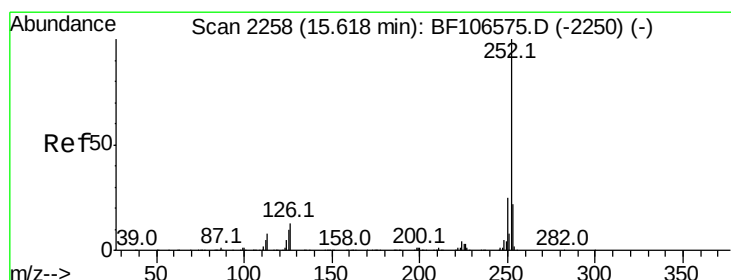
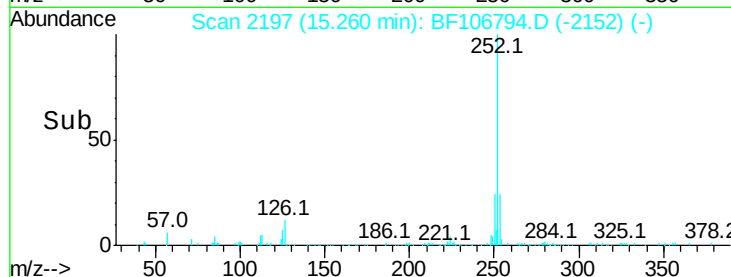
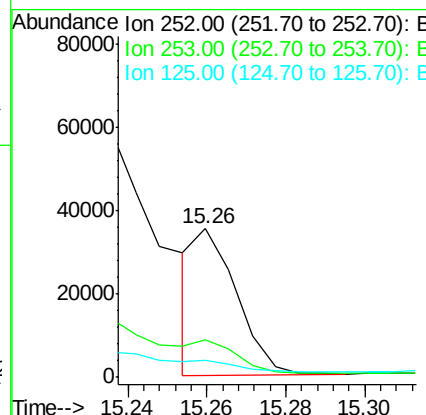
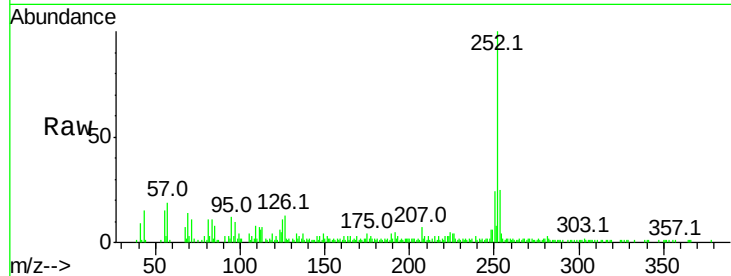
#88
Benzo(k)fluoranthene
Concen: 4.826 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	25644		
253	25.1		17.9	26.9
125	11.3		10.2	15.2

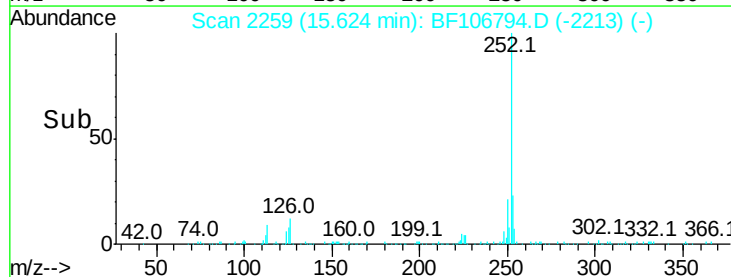
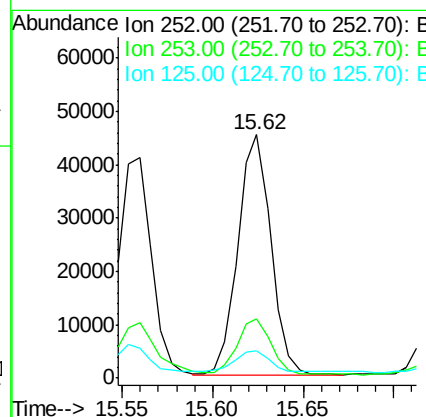
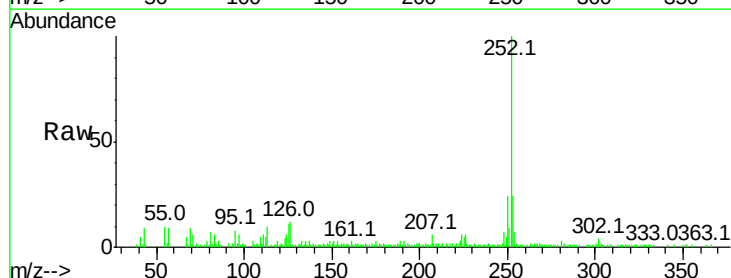
Manual Integrations
APPROVED

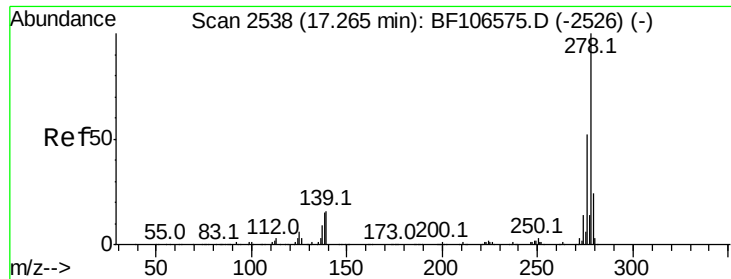
Sohil
6/27/2018 10:55:58 AM



#89
Benzo(a)pyrene
Concen: 11.510 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	57097		
253	24.3		17.1	25.7
125	11.1		9.8	14.6





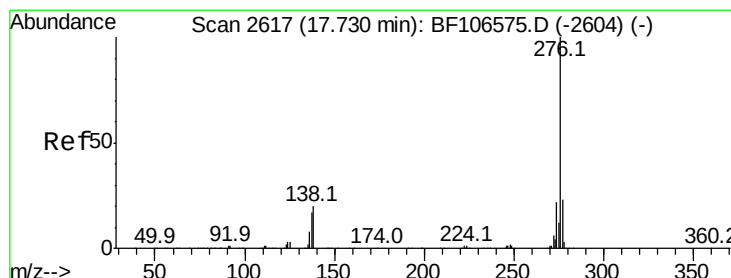
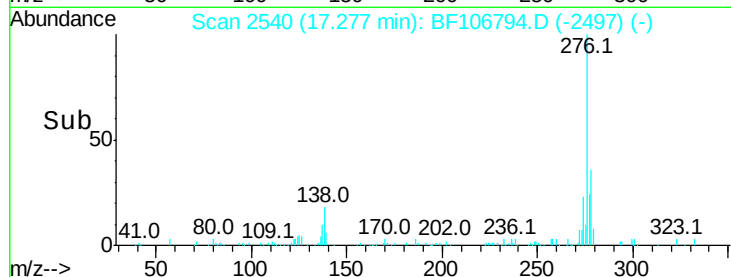
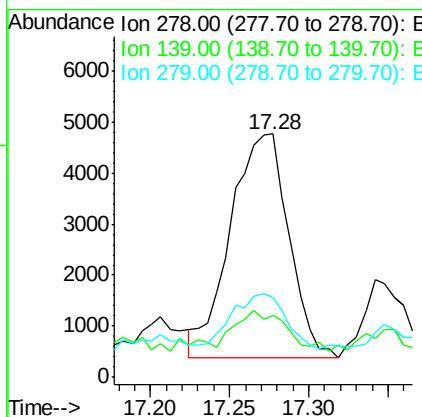
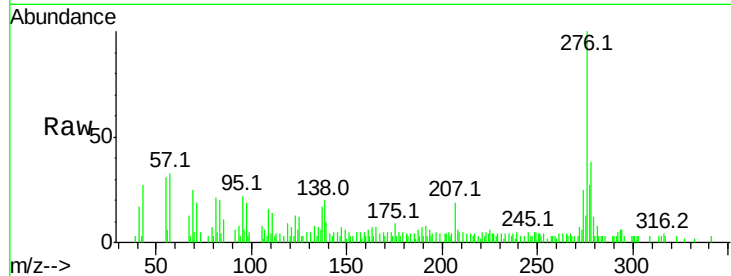
#90
Dibenzo(a,h)anthracene
Concen: 2.657 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion:278	Resp:	11171
Ion Ratio	Lower	Upper
278	100	
139	25.7	15.9 23.9#
279	32.9	19.0 28.4#

Manual Integrations
APPROVED

Sohil
6/27/2018 10:55:58 AM



#91
Benzo(g,h,i)perylene
Concen: 12.046 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.04 min
Lab File: BF106794.D
Acq: 26 Jun 2018 1:25

Tgt Ion:276	Resp:	49502
Ion Ratio	Lower	Upper
276	100	
277	26.3	17.9 26.9
138	18.4	21.8 32.8#

