

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107075.D
 Acq On : 3 Jul 2018 12:01
 Operator : JU/SJ
 Sample : J3600-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:29:36 PM

Quant Time: Jul 04 04:09:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	64484	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	242085	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	107443	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	184170	20.00	ng	0.00
75) Chrysene-d12	14.15	240	195363	20.00	ng	-0.01
86) Perylene-d12	15.70	264	181470	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	172000	45.17	ng	0.00
7) Phenol-d6	6.60	99	211105	44.39	ng	-0.01
23) Nitrobenzene-d5	7.52	82	126505	29.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	46903	37.66	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	257385	31.21	ng	-0.02
78) Terphenyl-d14	13.07	244	259695	32.20	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	25354	3.146	ng	98
51) Acenaphthene	10.03	154	17238	2.572	ng	96
54) Dibenzofuran	10.21	168	19237	2.097	ng	93
57) Fluorene	10.55	166	24789	3.405	ng	99
70) Phenanthrene	11.52	178	309215	34.810	ng	99
71) Anthracene	11.57	178	102460	11.301	ng	98
72) Carbazole	11.73	167	32128	3.785	ng	98
74) Fluoranthene	12.72	202	481069	49.135	ng	94
77) Pyrene	12.95	202	432571	33.577	ng	99
80) Benzo(a)anthracene	14.14	228	310556	26.082	ng	99
82) Chrysene	14.18	228	253833	23.172	ng	98
83) Bis(2-ethylhexyl)phthalate	14.10	149	35420	5.231	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.29	276	108939	11.719	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	361938m	32.107	ng	
88) Benzo(k)fluoranthene	15.27	252	100174m	9.331	ng	
89) Benzo(a)pyrene	15.64	252	226336m	22.586	ng	
90) Dibenzo(a,h)anthracene	17.28	278	31594m	3.720	ng	
91) Benzo(g,h,i)perylene	17.77	276	98721	11.892	ng	# 89

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

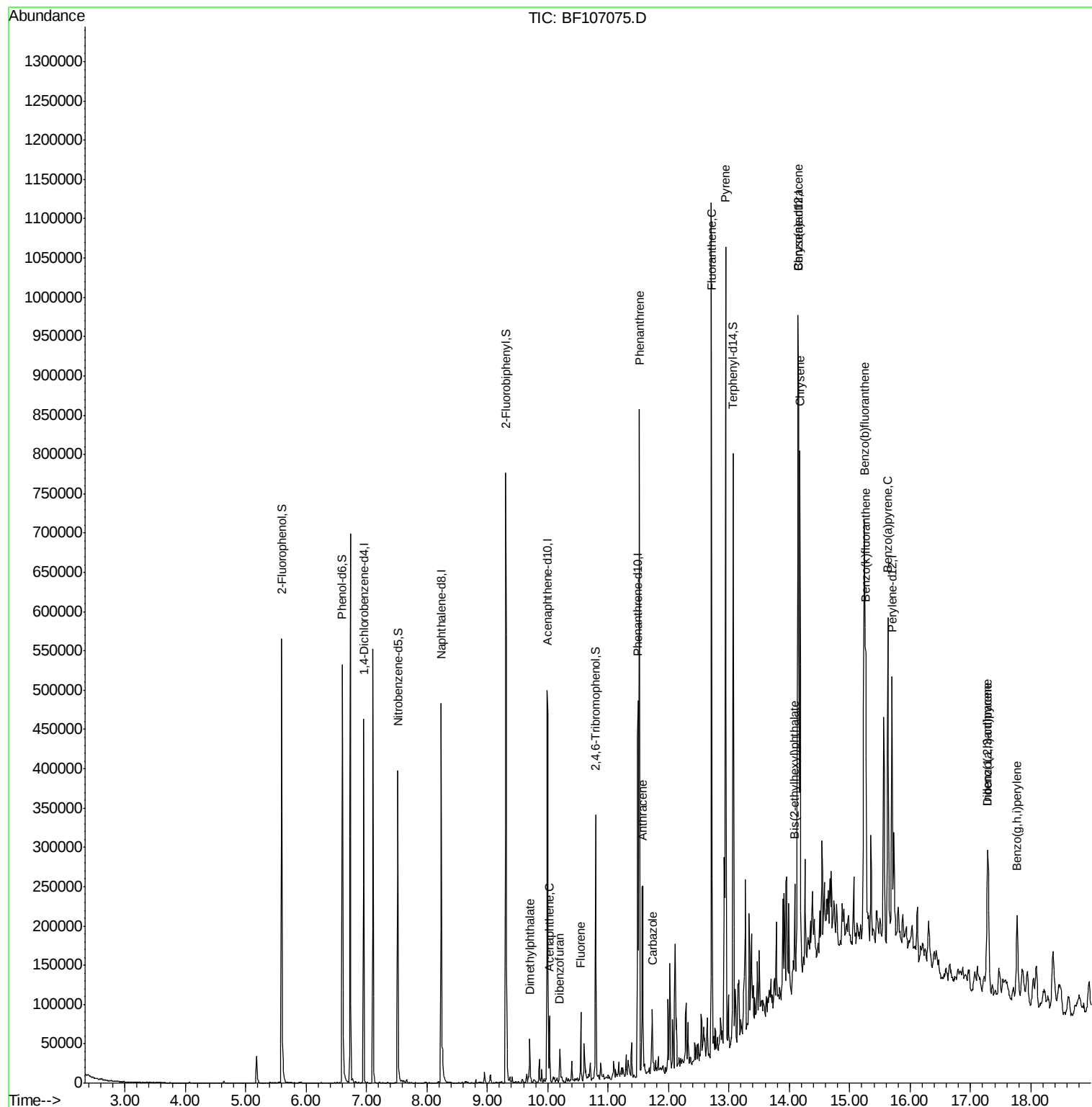
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107075.D
Acq On : 3 Jul 2018 12:01
Operator : JU/SJ
Sample : J3600-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

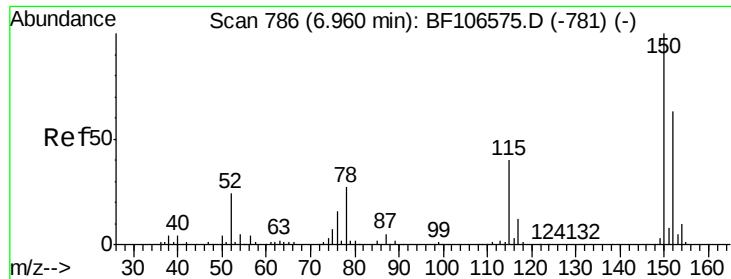
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM

Quant Time: Jul 04 04:09:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration





#1

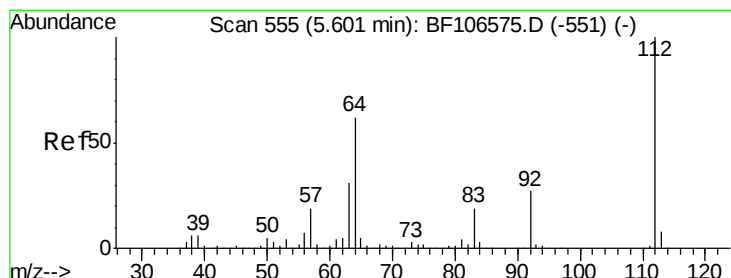
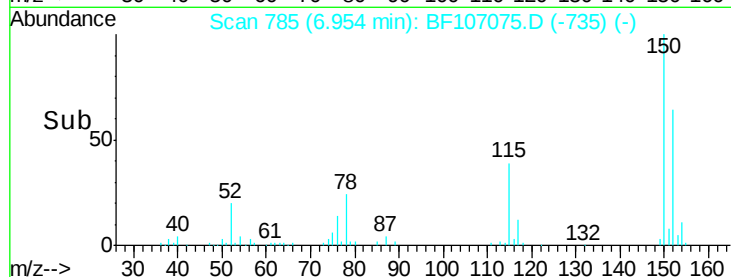
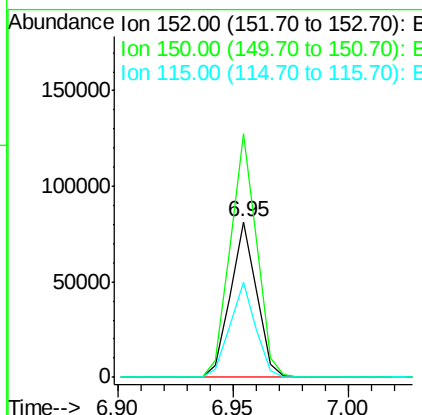
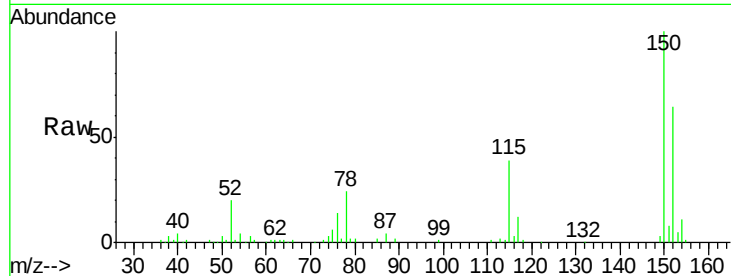
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.9	50.1	75.1

Manual Integrations
APPROVED

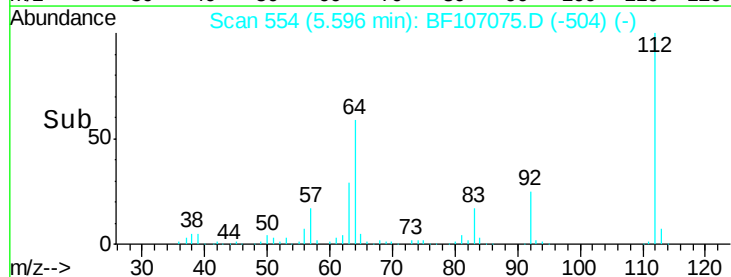
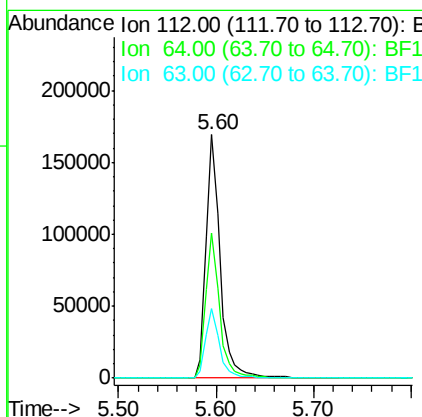
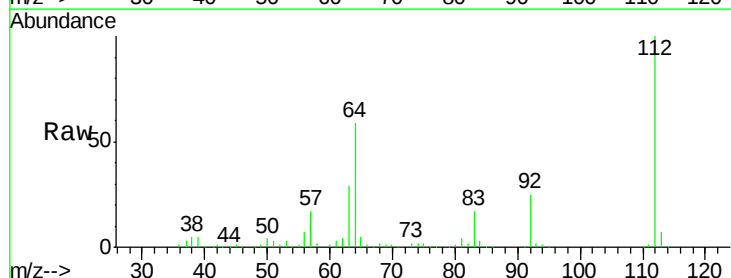
Sohil
7/5/2018 4:29:36 PM

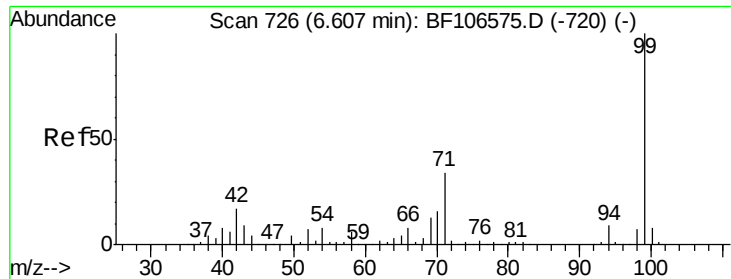


#5

2-Fluorophenol
Concen: 45.166 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 44.391 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Instrument :

BNA_F

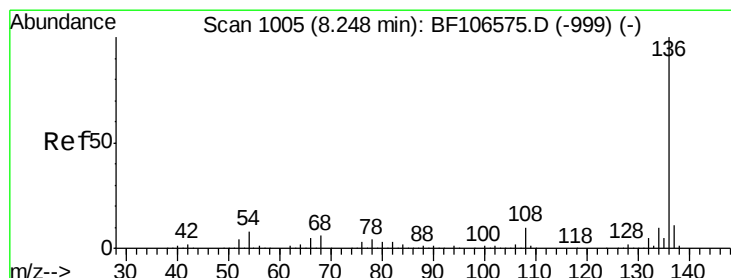
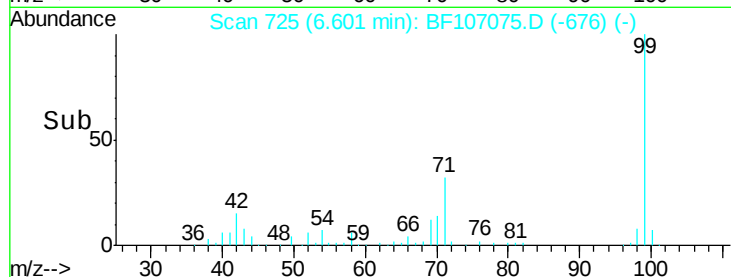
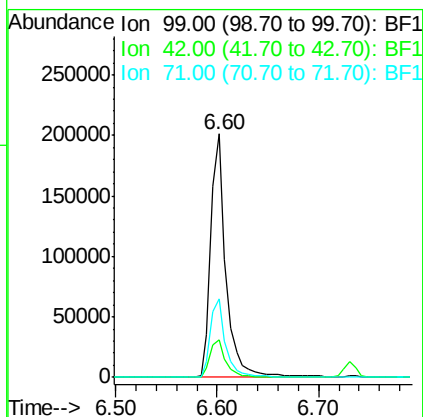
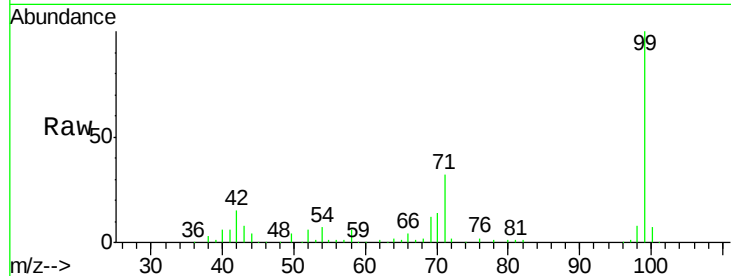
ClientSampleId :

DOCUMENTATION-3

Tot Ion:	99	Resp:	211105
Ion Ratio	Lower	Upper	
99	100		
42	15.2	14.5	21.7
71	32.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM



#21

Naphthalene-d8

Concen: 20.000 ng

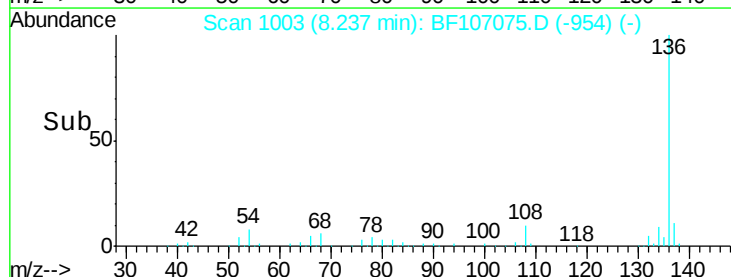
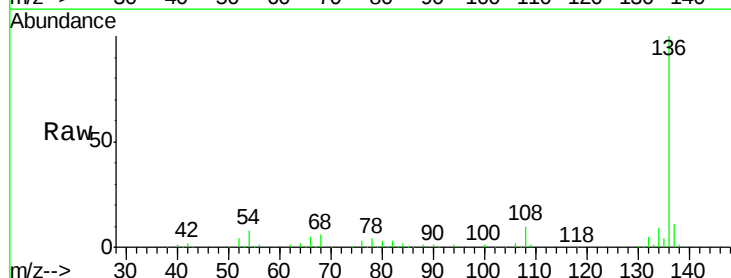
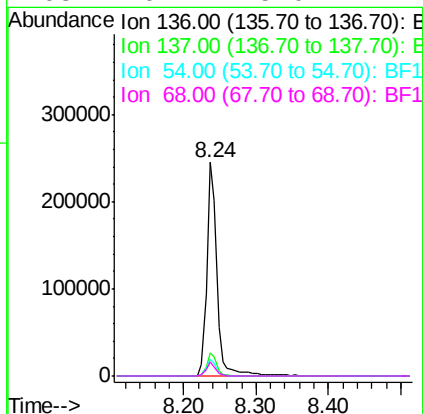
RT: 8.24 min Scan# 1003

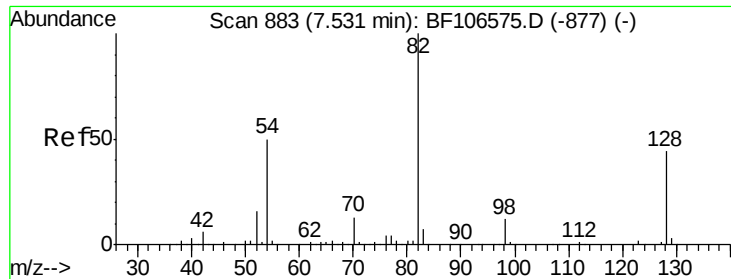
Delta R.T. -0.01 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Tgt Ion:	136	Resp:	242085
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4





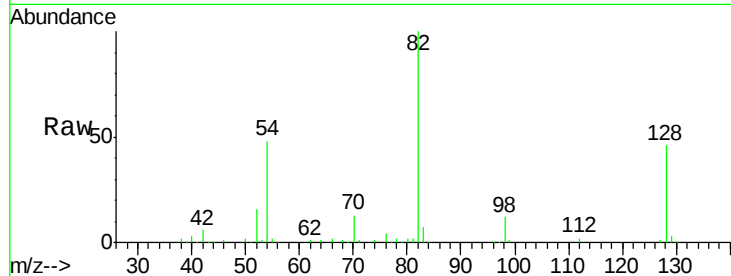
#23
Nitrobenzene-d5
Concen: 29.041 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

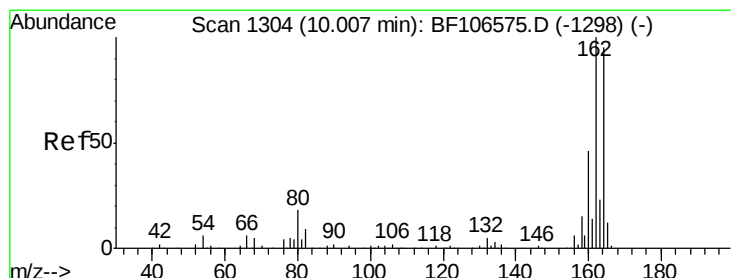
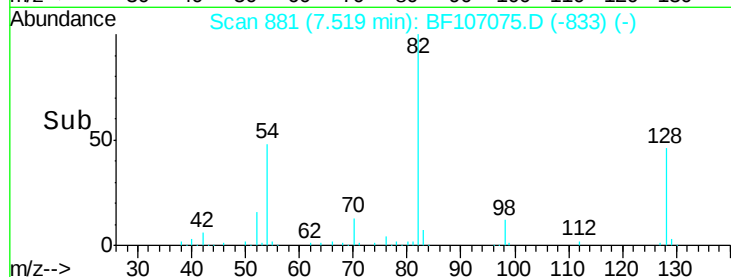
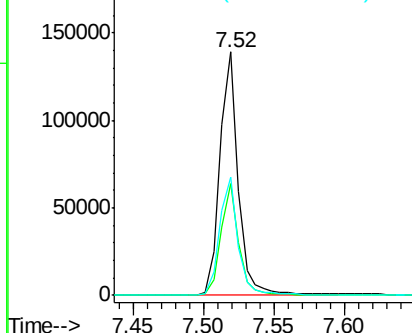
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	48.4	41.4	62.2

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM

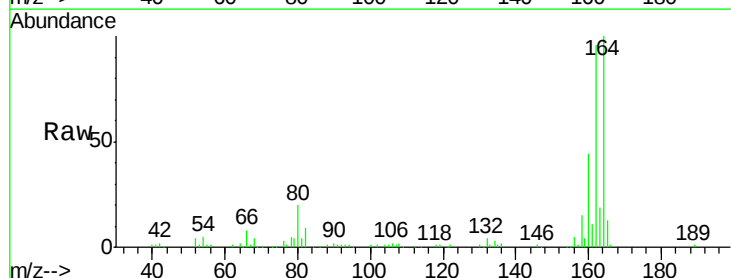


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

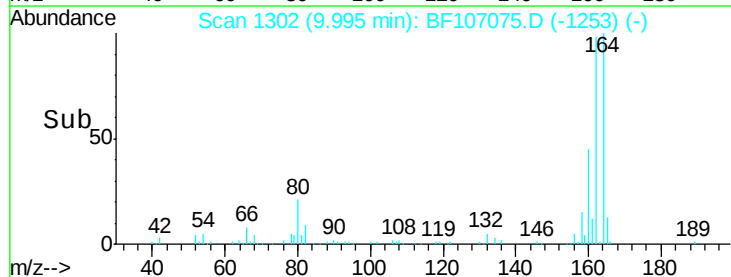
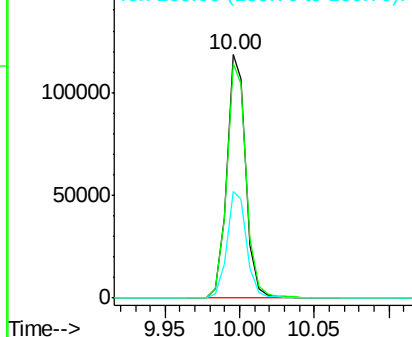


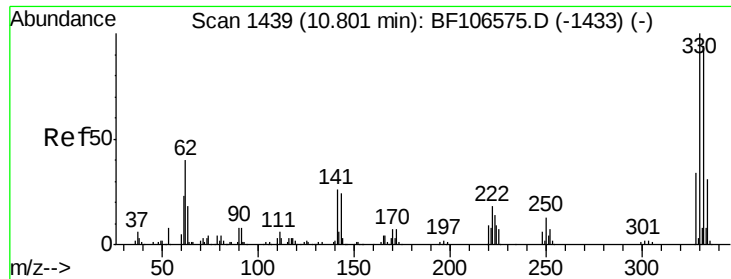
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	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





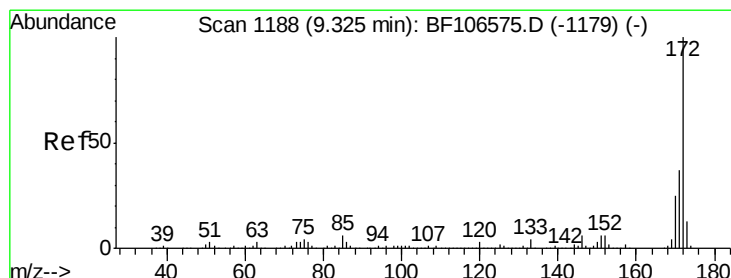
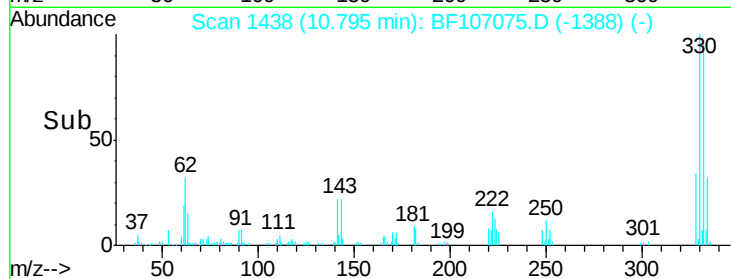
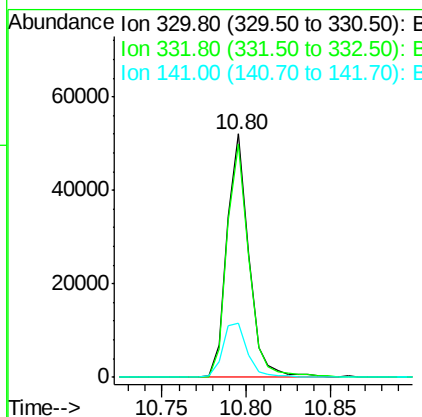
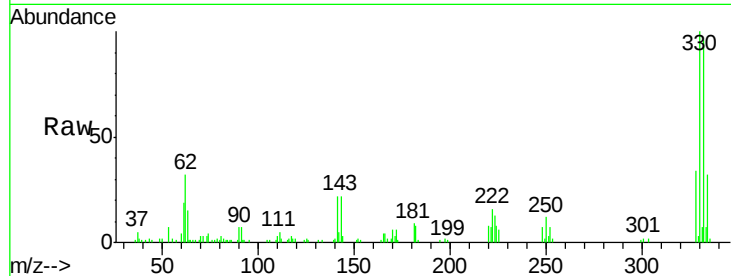
#41
 2,4,6-Tribromophenol
 Concen: 37.664 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107075.D
 Acq: 3 Jul 2018 12:01

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	25.4	29.9	44.9

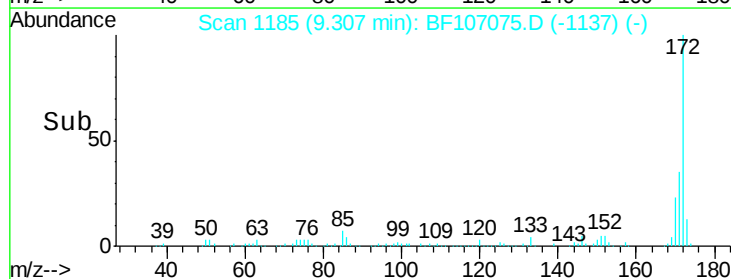
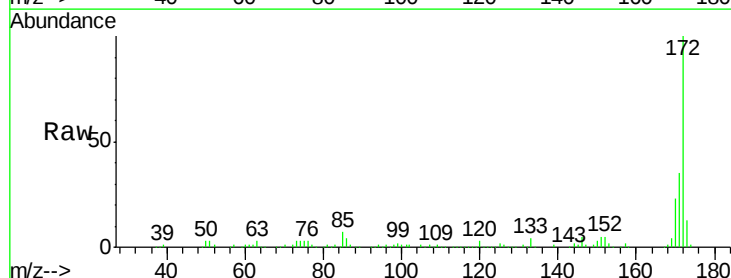
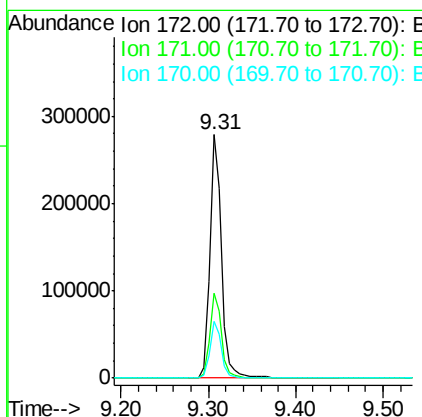
Manual Integrations
 APPROVED

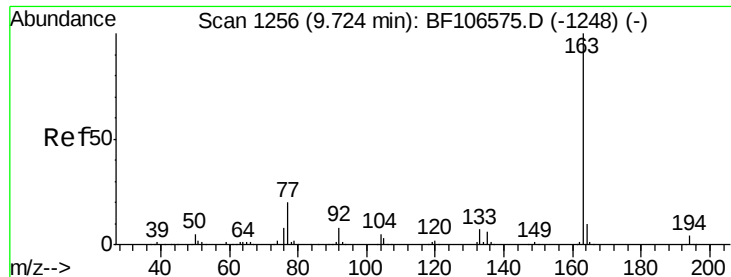
Sohil
 7/5/2018 4:29:36 PM



#44
 2-Fluorobiphenyl
 Concen: 31.213 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107075.D
 Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.3	19.6	29.4





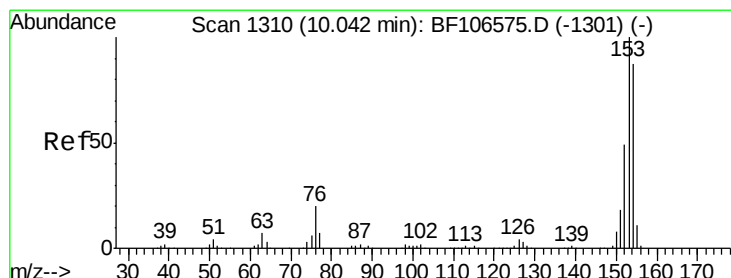
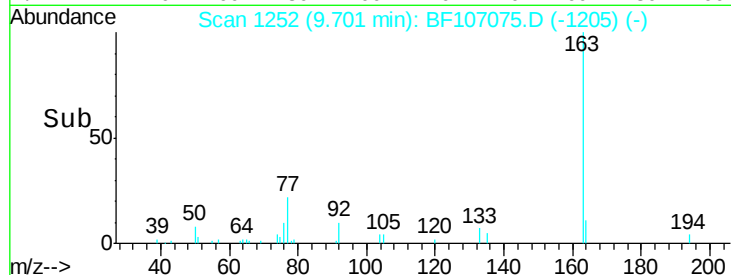
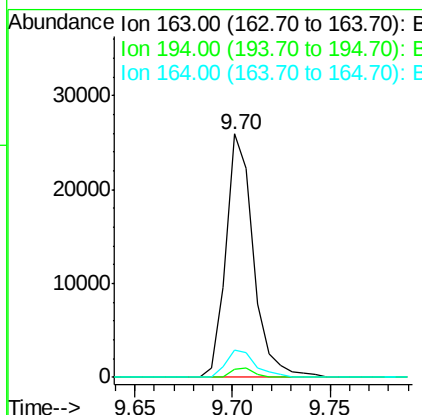
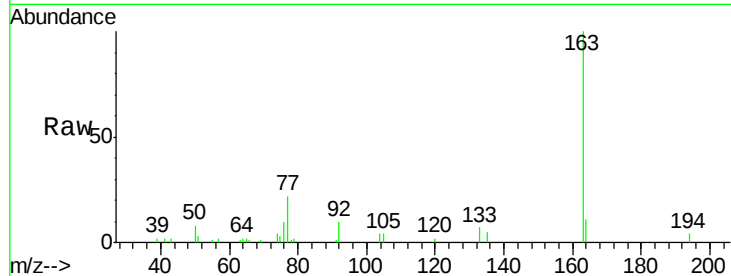
#49
Dimethylphthalate
Concen: 3.146 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	11.0	8.2	12.2

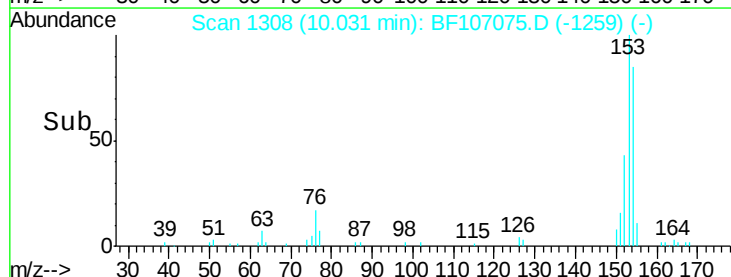
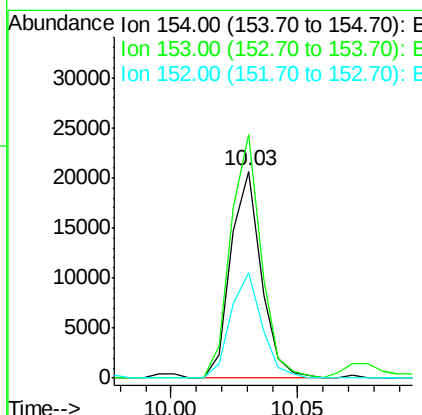
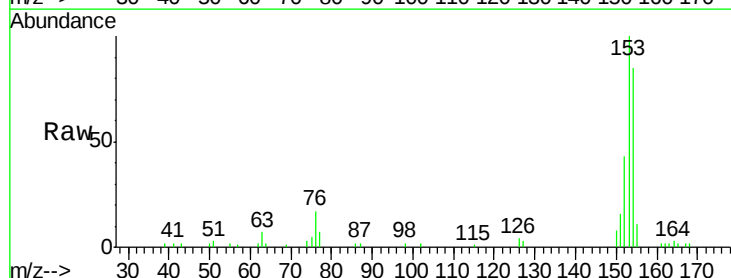
Manual Integrations
APPROVED

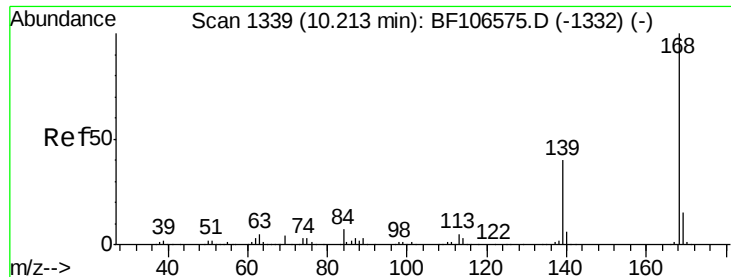
Sohil
7/5/2018 4:29:36 PM



#51
Acenaphthene
Concen: 2.572 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.2	136.8
152	51.0	43.8	65.8





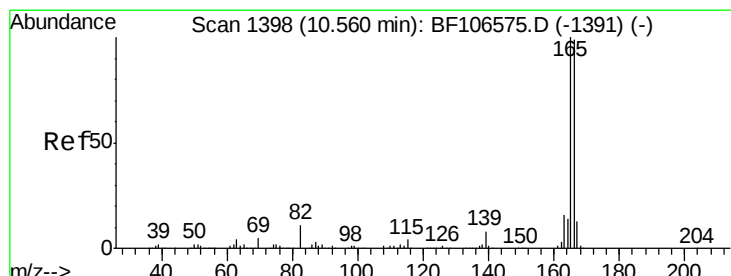
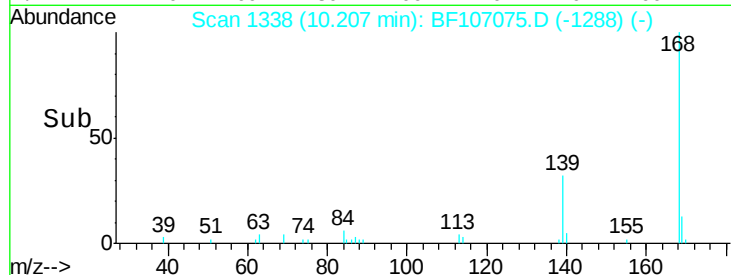
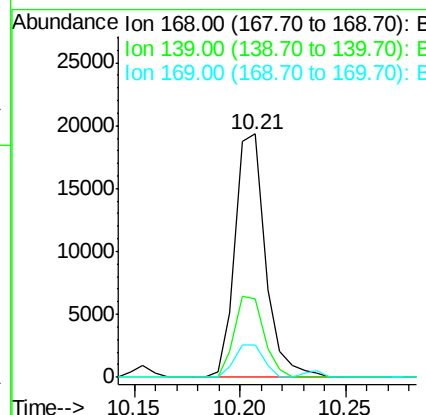
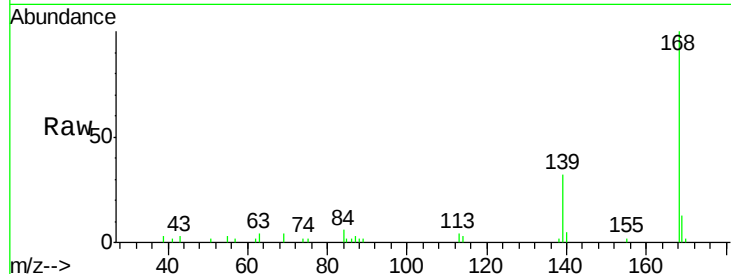
#54
Dibenzenofuran
Concen: 2.097 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
168	100		
139	32.3	30.1	45.1
169	13.4	10.9	16.3

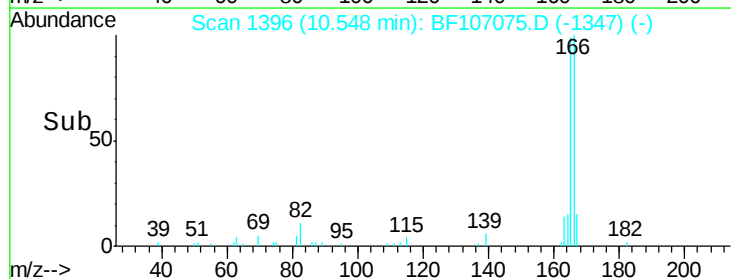
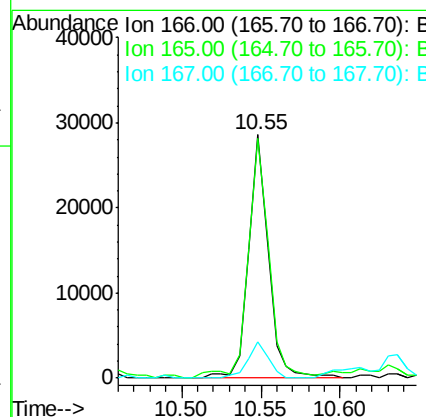
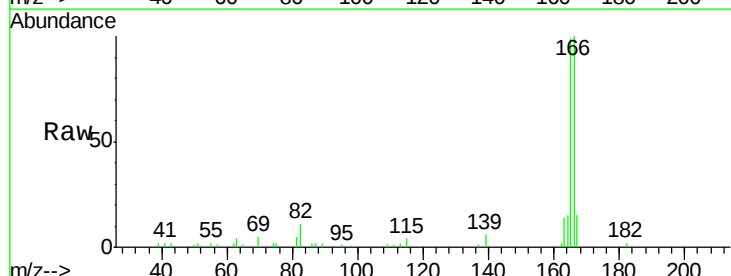
Manual Integrations
APPROVED

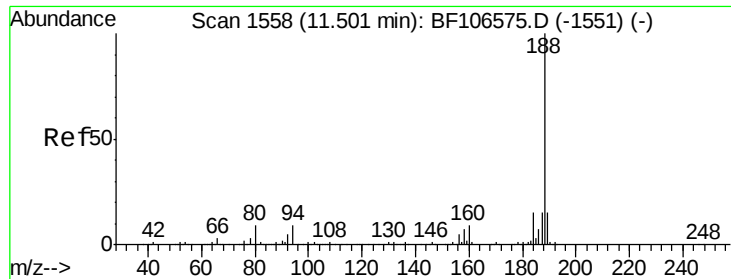
Sohil
7/5/2018 4:29:36 PM



#57
Fluorene
Concen: 3.405 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.8
167	15.0	10.6	16.0





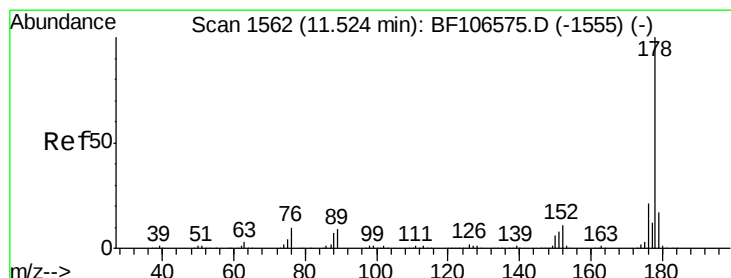
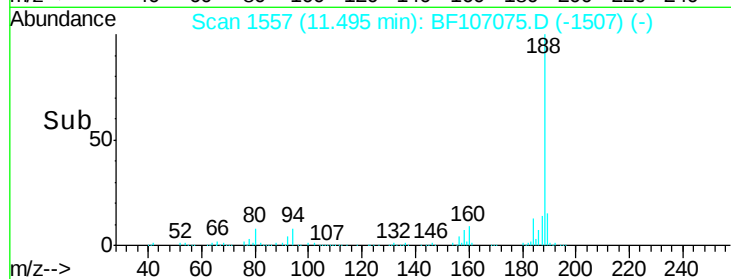
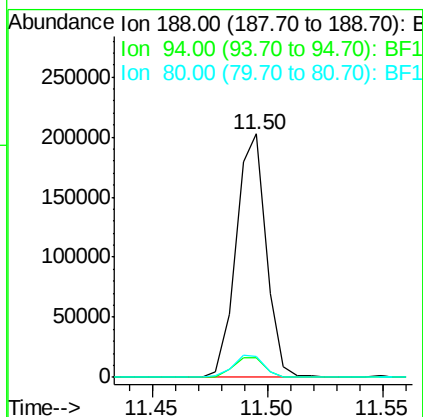
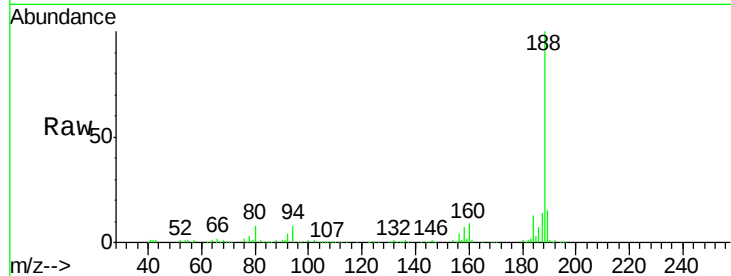
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	8.5	12.7#
80	8.5	9.2	13.8#

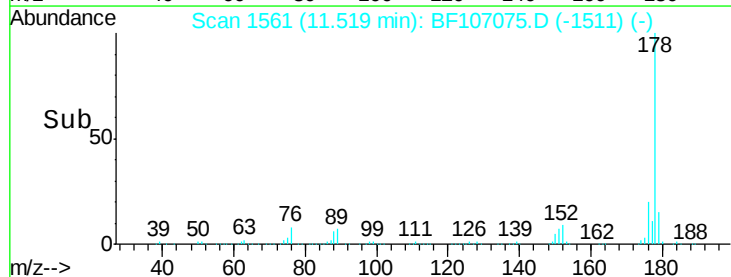
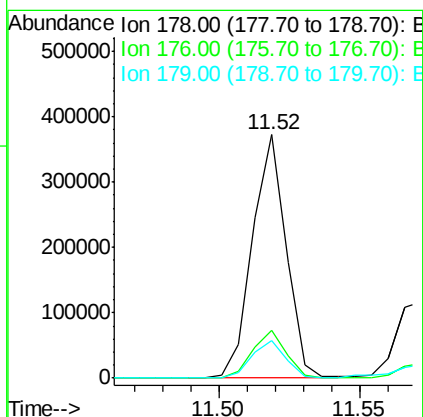
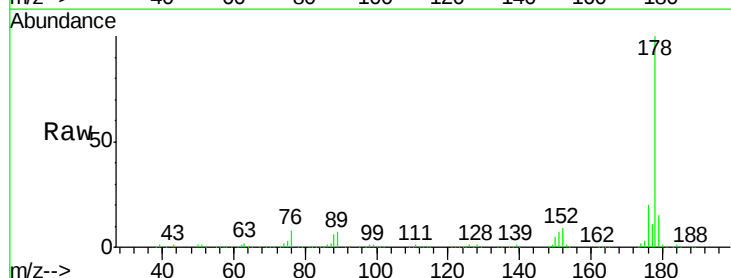
Manual Integrations
APPROVED

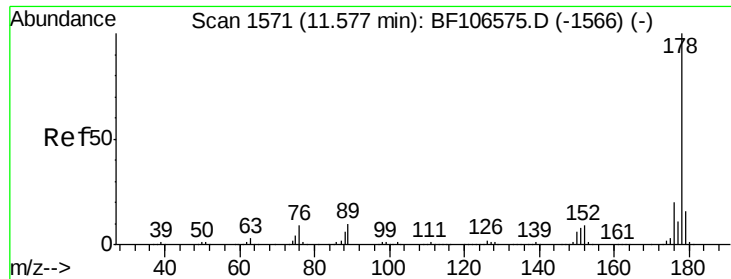
Sohil
7/5/2018 4:29:36 PM



#70
Phenanthrene
Concen: 34.810 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.8	23.8
179	15.4	13.0	19.6





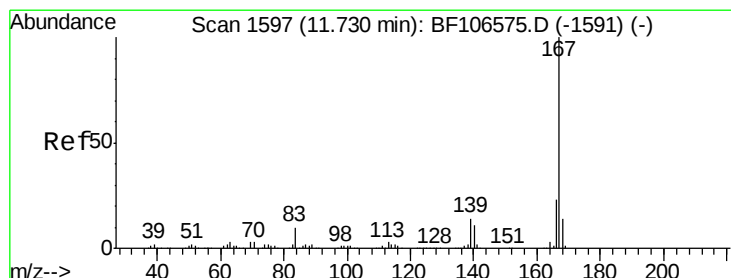
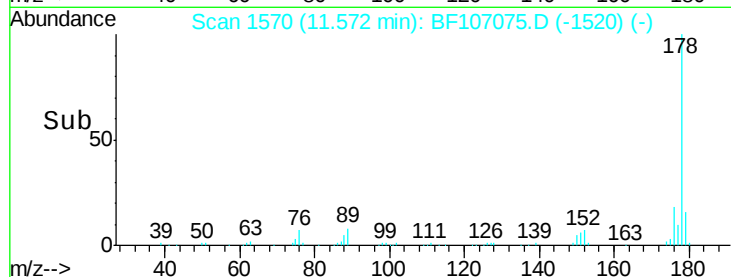
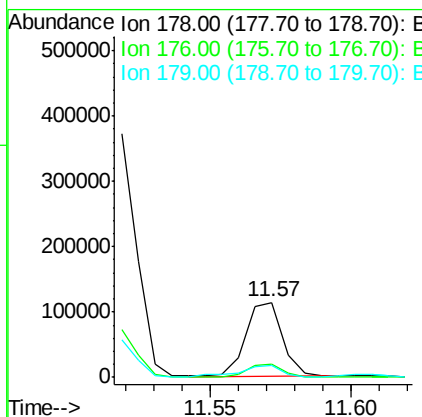
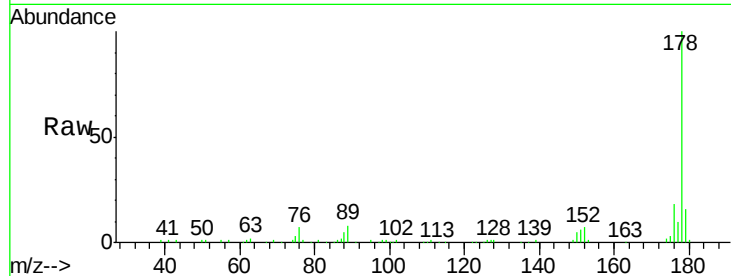
#71
 Anthracene
 Concen: 11.301 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107075.D
 Acq: 3 Jul 2018 12:01

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	17.8	15.4	23.2		
179	15.8	12.6	19.0		

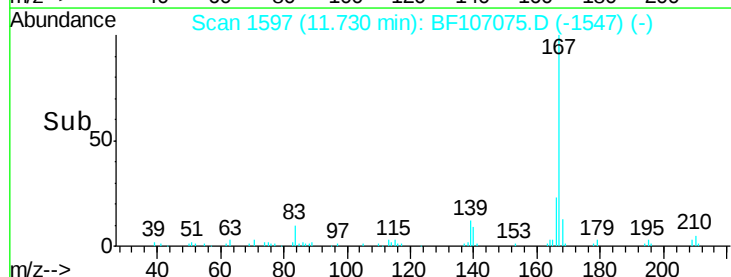
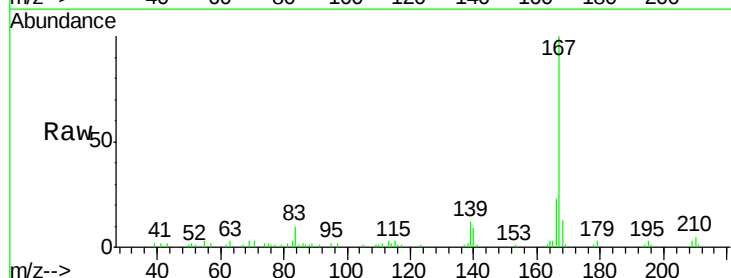
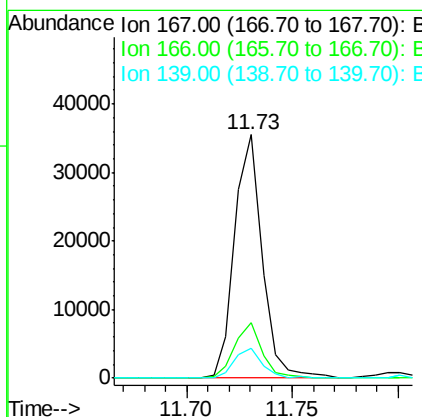
Manual Integrations
 APPROVED

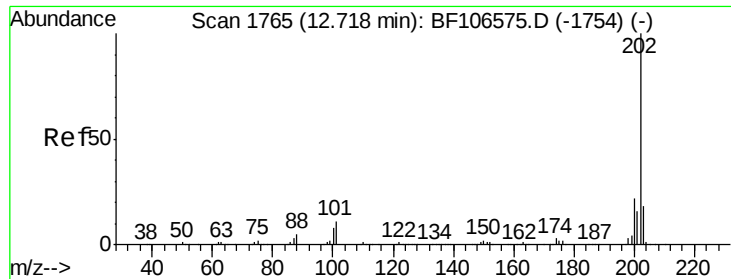
Sohil
 7/5/2018 4:29:36 PM



#72
 Carbazole
 Concen: 3.785 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF107075.D
 Acq: 3 Jul 2018 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	22.9	17.6	26.4		
139	12.4	10.9	16.3		





#74

Fluoranthene

Concen: 49.135 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Instrument :

BNA_F

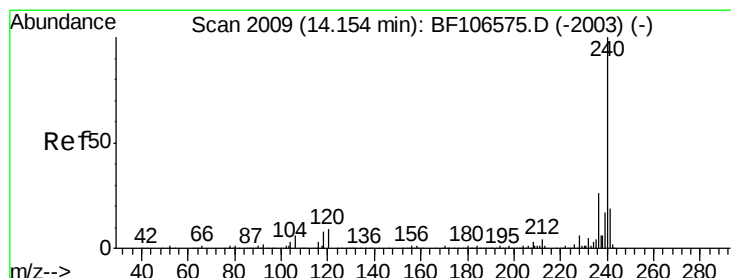
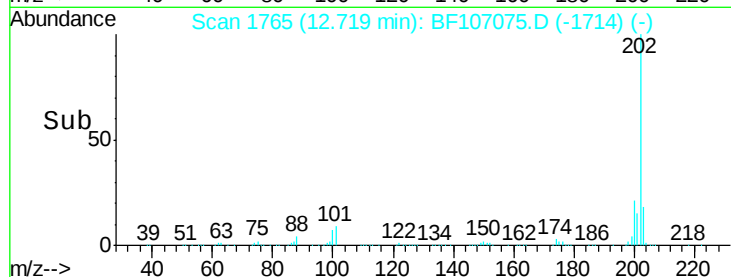
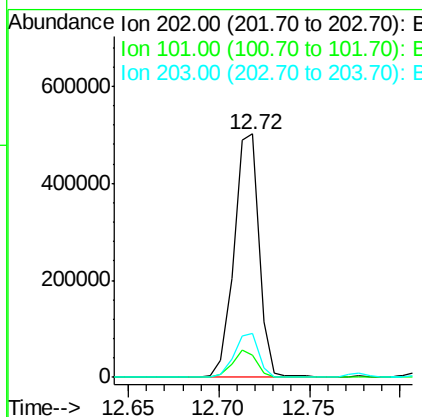
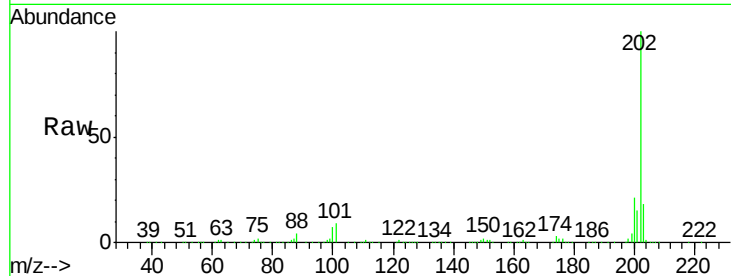
ClientSampleId :

DOCUMENTATION-3

Tot Ion:	202	Resp:	481069
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM



#75

Chrysene-d12

Concen: 20.000 ng

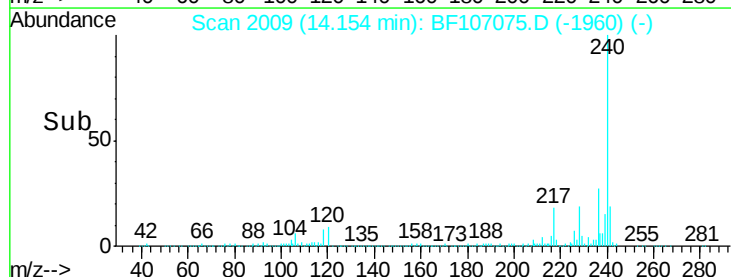
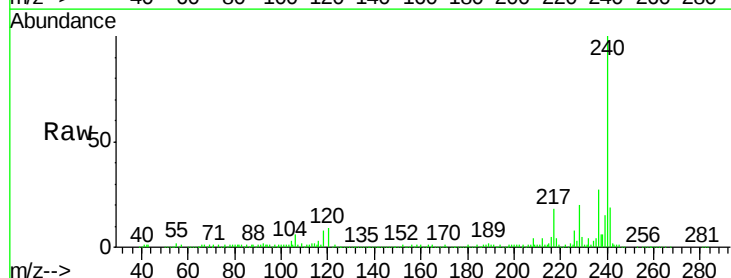
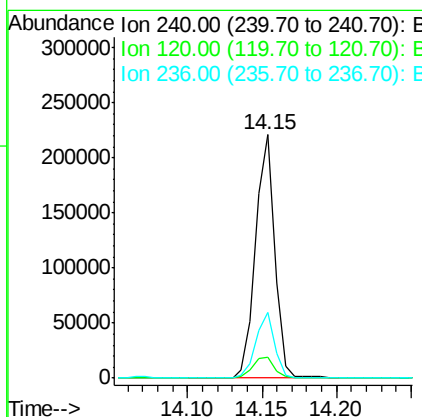
RT: 14.15 min Scan# 2009

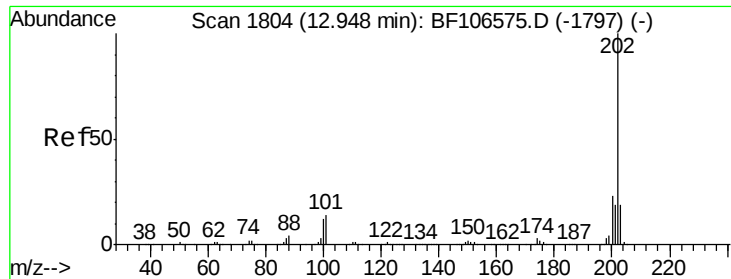
Delta R.T. -0.01 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Tgt Ion:	240	Resp:	195363
Ion Ratio	Lower	Upper	
240	100		
120	8.7	9.5	14.3#
236	26.8	20.7	31.1





#77

Pvrene

Concen: 33.577 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Instrument :

BNA_F

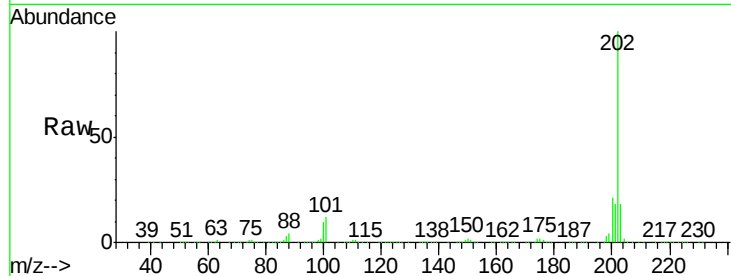
ClientSampleId :

DOCUMENTATION-3

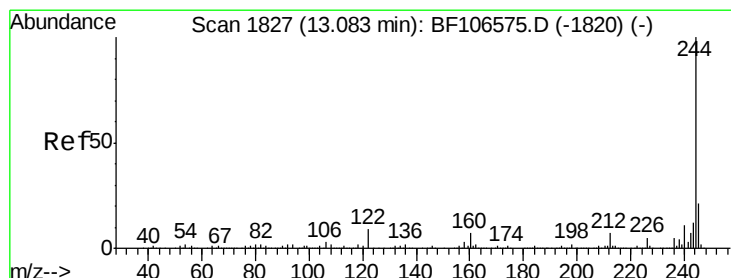
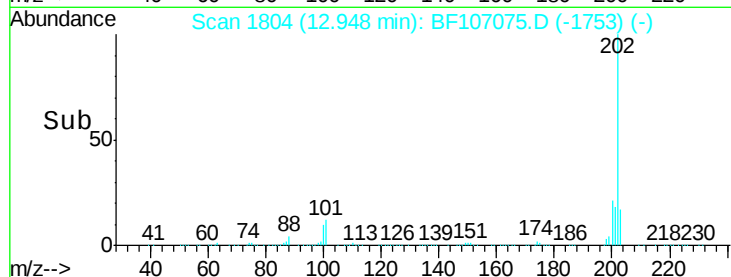
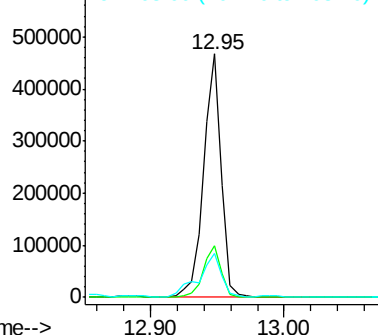
Tot Ion:	202	Resp:	432571
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM



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: 32.199 ng

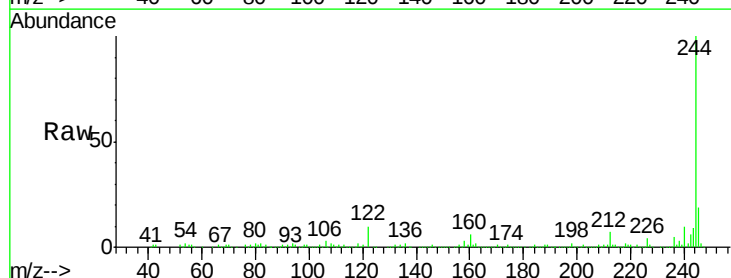
RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

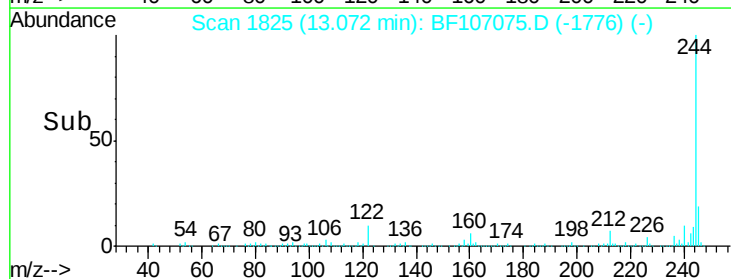
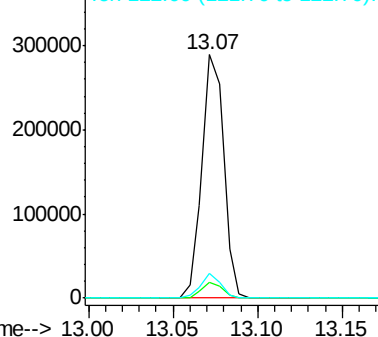
Lab File: BF107075.D

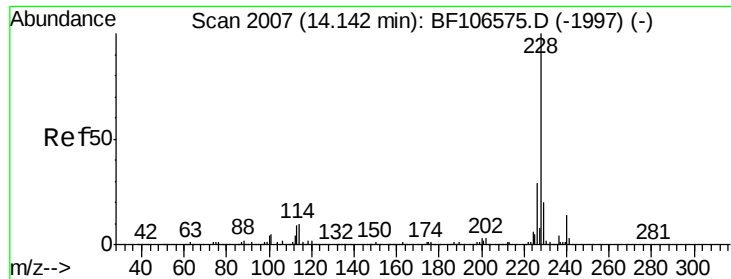
Acq: 3 Jul 2018 12:01

Tgt Ion:	244	Resp:	259695
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	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





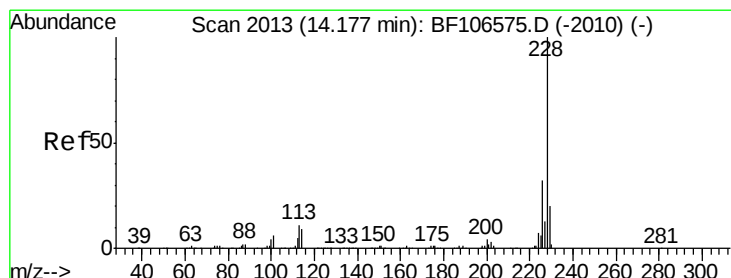
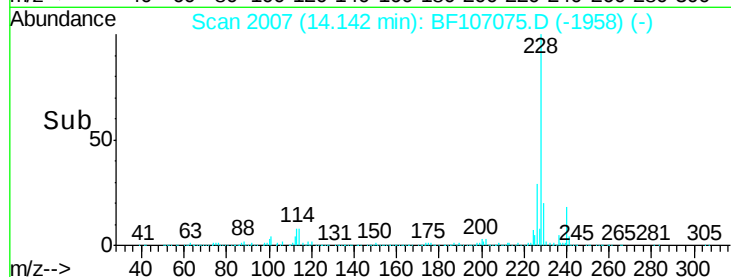
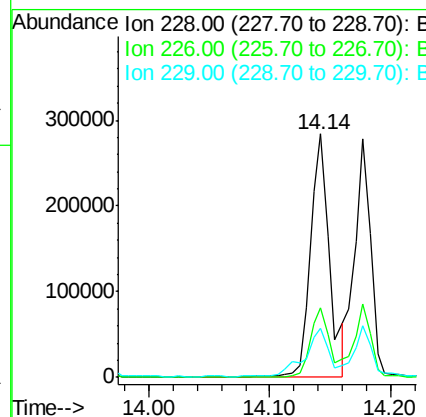
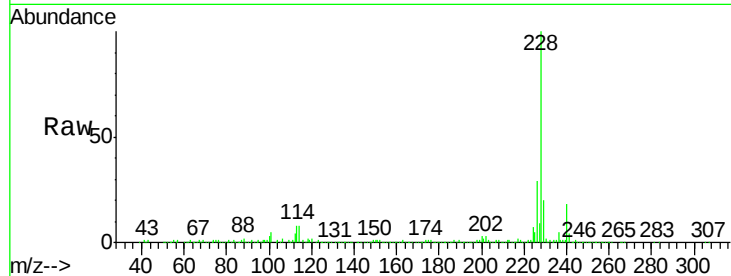
#80
Benzo(a)anthracene
Concen: 26.082 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.4	15.8	23.6

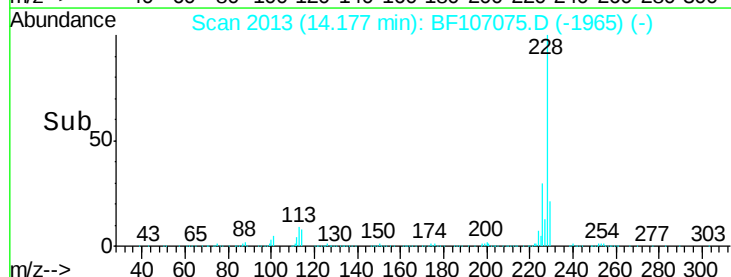
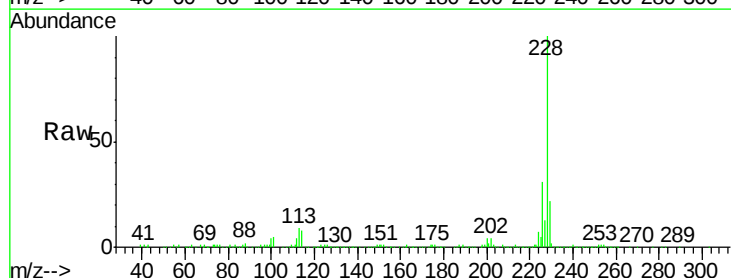
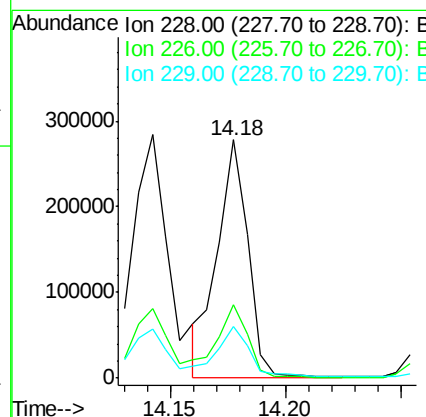
Manual Integrations
APPROVED

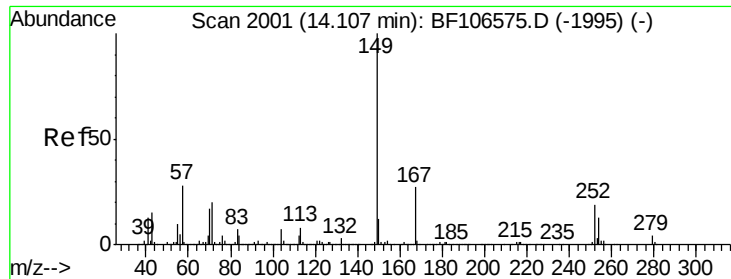
Sohil
7/5/2018 4:29:36 PM



#82
Chrysene
Concen: 23.172 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.6	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.231 ng

RT: 14.10 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Instrument :

BNA_F

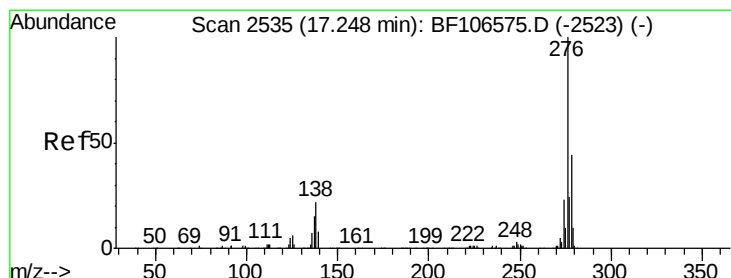
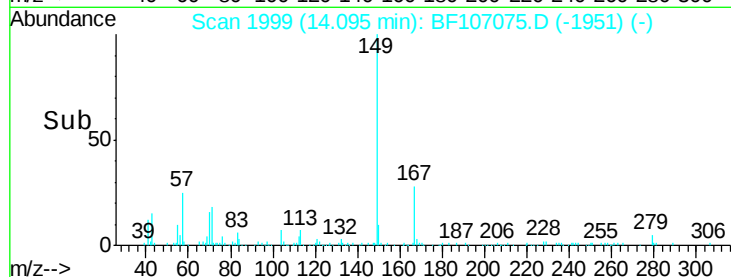
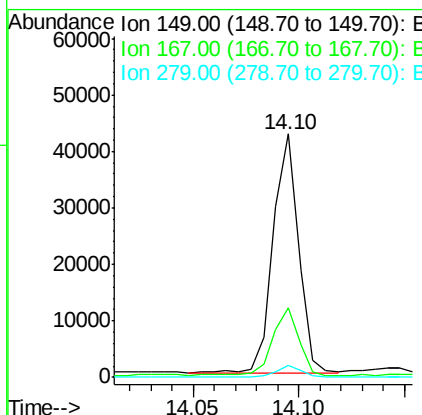
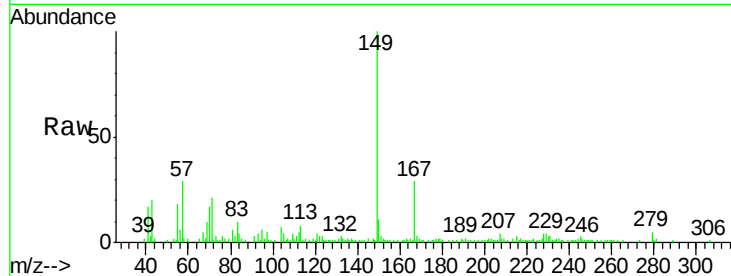
ClientSampleId :

DOCUMENTATION-3

Tot Ion:	149	Resp:	35420
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.3	31.9
279	4.9	3.0	4.4#

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.719 ng

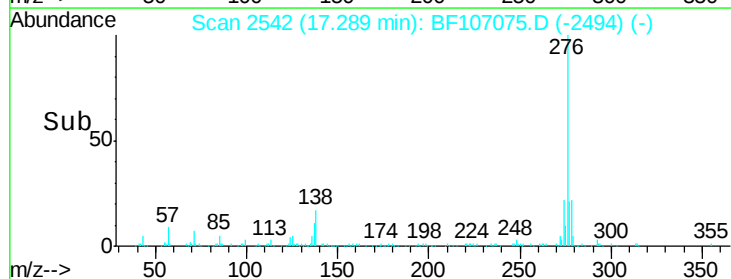
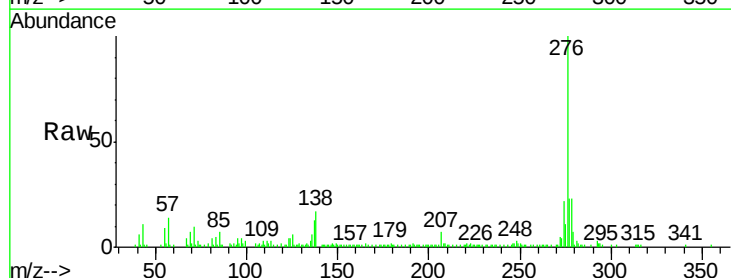
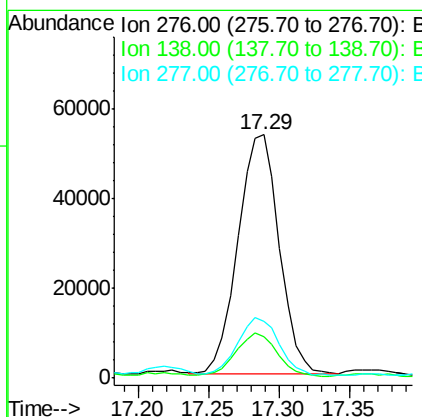
RT: 17.29 min Scan# 2542

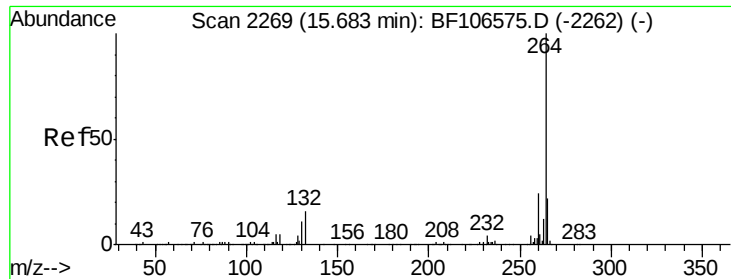
Delta R.T. -0.02 min

Lab File: BF107075.D

Acq: 3 Jul 2018 12:01

Tgt Ion:	276	Resp:	108939
Ion Ratio	Lower	Upper	
276	100		
138	18.3	25.0	37.6#
277	24.0	20.1	30.1





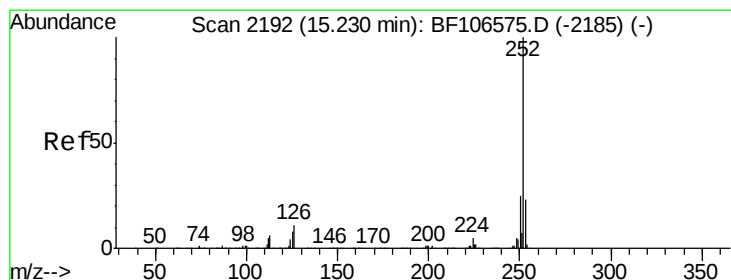
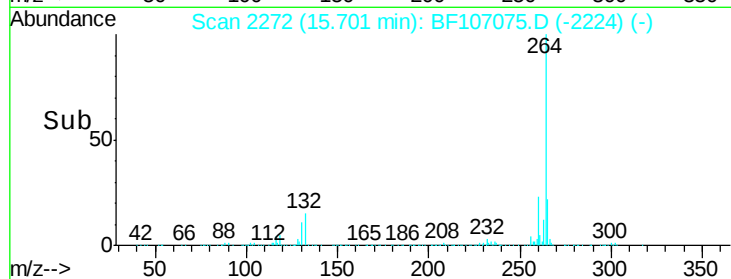
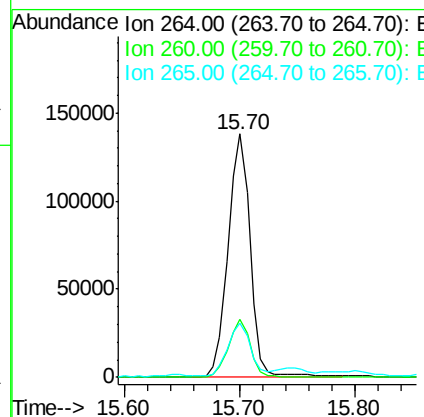
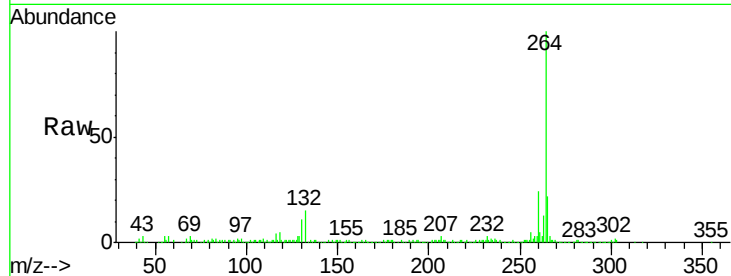
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	17.5	26.3

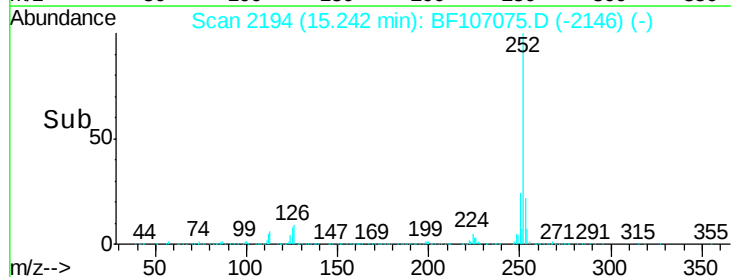
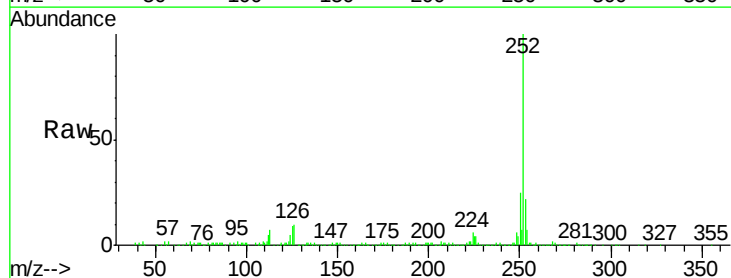
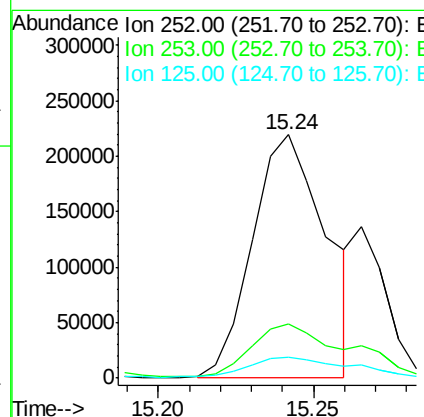
Manual Integrations
APPROVED

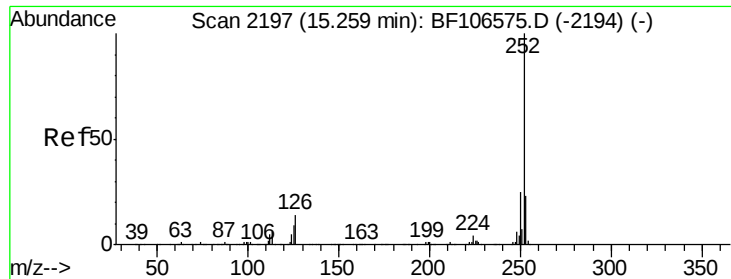
Sohil
7/5/2018 4:29:36 PM



#87
Benzo(b)fluoranthene
Concen: 32.107 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	8.8	9.0	13.6





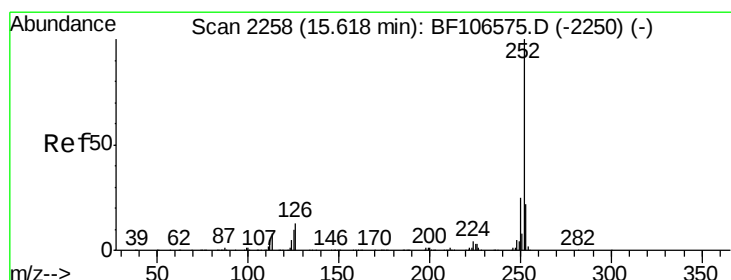
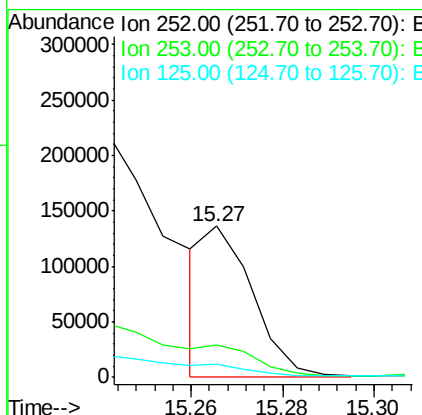
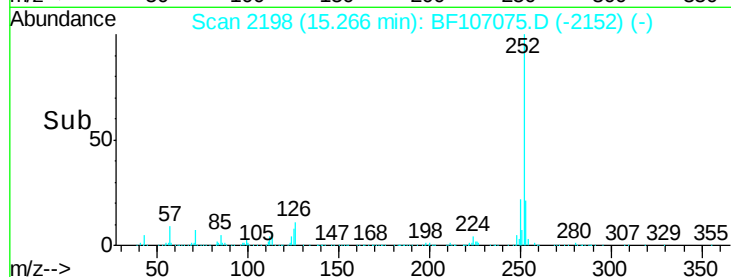
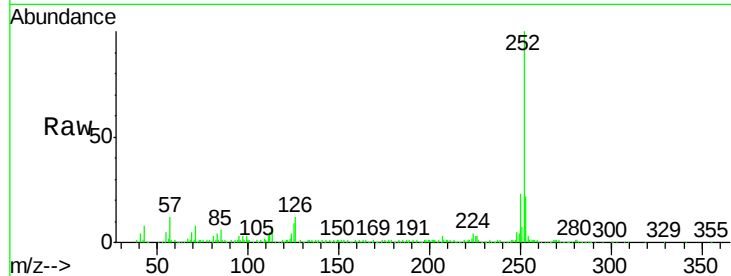
#88
Benzo(k)fluoranthene
Concen: 9.331 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	8.9	10.2	15.2#

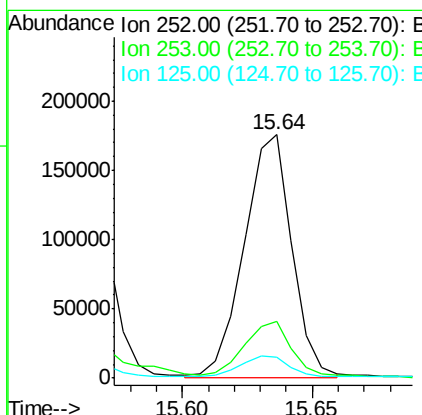
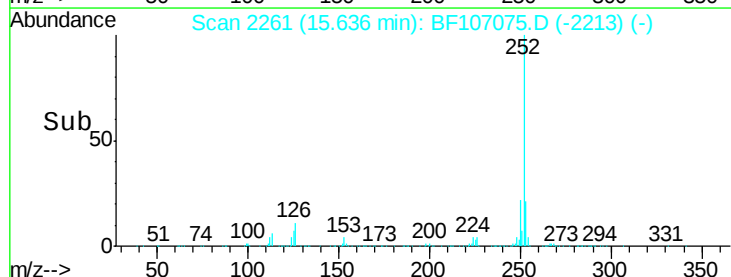
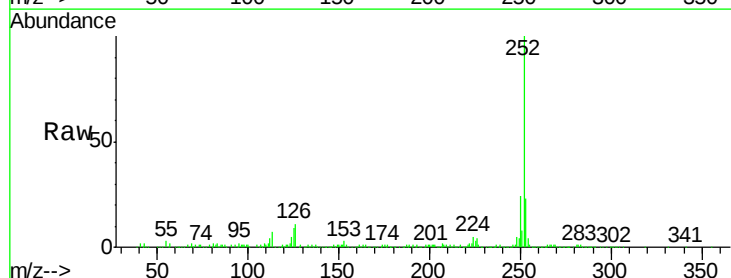
Manual Integrations
APPROVED

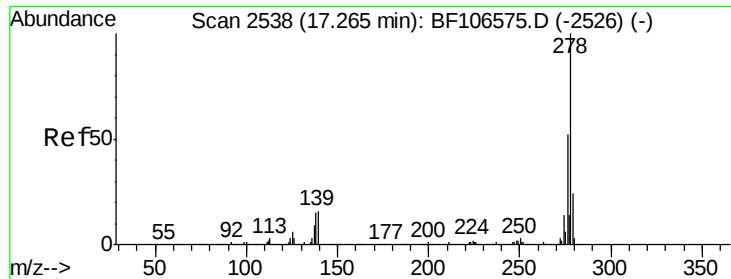
Sohil
7/5/2018 4:29:36 PM



#89
Benzo(a)pyrene
Concen: 22.586 ng m
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	8.6	9.8	14.6#





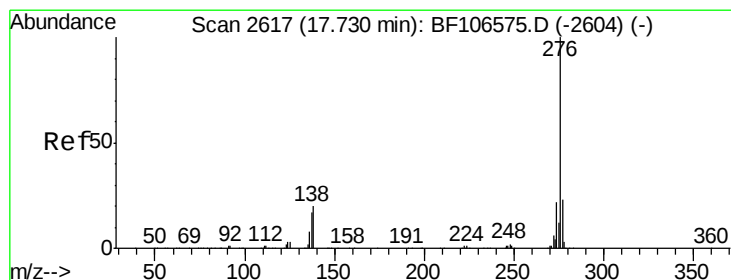
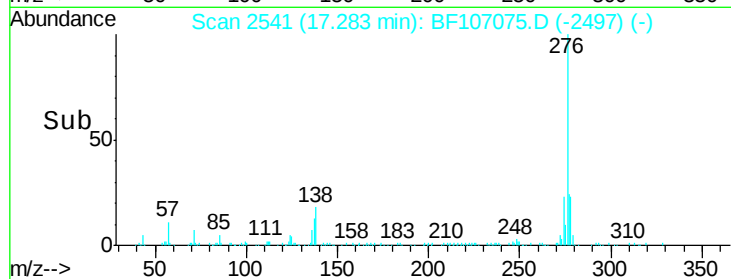
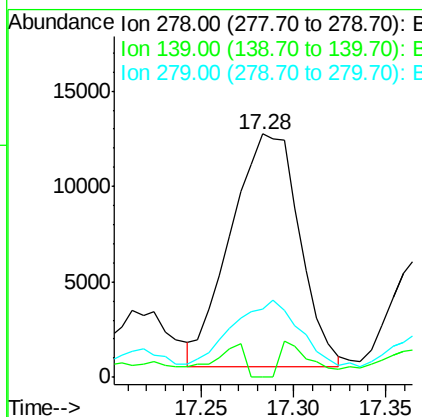
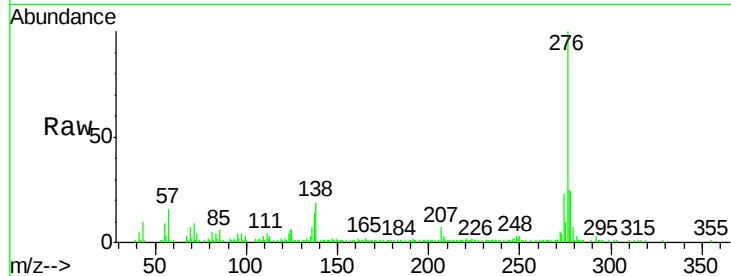
#90
Dibenzo(a,h)anthracene
Concen: 3.720 ng m
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/5/2018 4:29:36 PM



#91
Benzo(g,h,i)perylene
Concen: 11.892 ng
RT: 17.77 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF107075.D
Acq: 3 Jul 2018 12:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	18.4	21.8	32.8#

