

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
 Data File : BF107352.D
 Acq On : 12 Jul 2018 21:07
 Operator : JU/SJ
 Sample : J3933-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1-3

Manual Integrations
 APPROVED

Sohil
 7/13/2018 11:17:17 AM

Quant Time: Jul 13 03:59:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	54382	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	188820	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	78825	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	150651	20.00	ng	0.00
75) Chrysene-d12	14.14	240	162487	20.00	ng	0.00
86) Perylene-d12	15.68	264	122833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	209202	65.14	ng	0.04
7) Phenol-d6	6.60	99	243458	60.70	ng	0.02
23) Nitrobenzene-d5	7.50	82	137662	40.52	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	51135	55.97	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	238085	44.01	ng	0.00
78) Terphenyl-d14	13.06	244	279933	41.73	ng	0.00
Target Compounds						
48) Acenaphthylene	9.84	152	31987	4.097	ng	Qvalue 98
49) Dimethylphthalate	9.68	163	46453	7.857	ng	98
70) Phenanthrene	11.50	178	132037	18.171	ng	97
71) Anthracene	11.55	178	42470	5.726	ng	96
72) Carbazole	11.71	167	15689	2.259	ng	98
73) Di-n-butylphthalate	12.01	149	19539	2.389	ng	96
74) Fluoranthene	12.70	202	332419	41.507	ng	93
77) Pyrene	12.93	202	331299	30.920	ng	99
79) Butylbenzylphthalate	13.55	149	1007354	228.662	ng	# 93
80) Benzo(a)anthracene	14.13	228	194195	19.609	ng	97
82) Chrysene	14.17	228	179403	19.691	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	833196	147.934	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.27	276	76545	9.900	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	206951m	27.122	ng	
88) Benzo(k)fluoranthene	15.24	252	66025m	9.086	ng	
89) Benzo(a)pyrene	15.61	252	132211m	19.491	ng	
90) Dibenzo(a,h)anthracene	17.26	278	21972m	3.822	ng	
91) Benzo(g,h,i)perylene	17.75	276	73508	13.082	ng	# 88

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

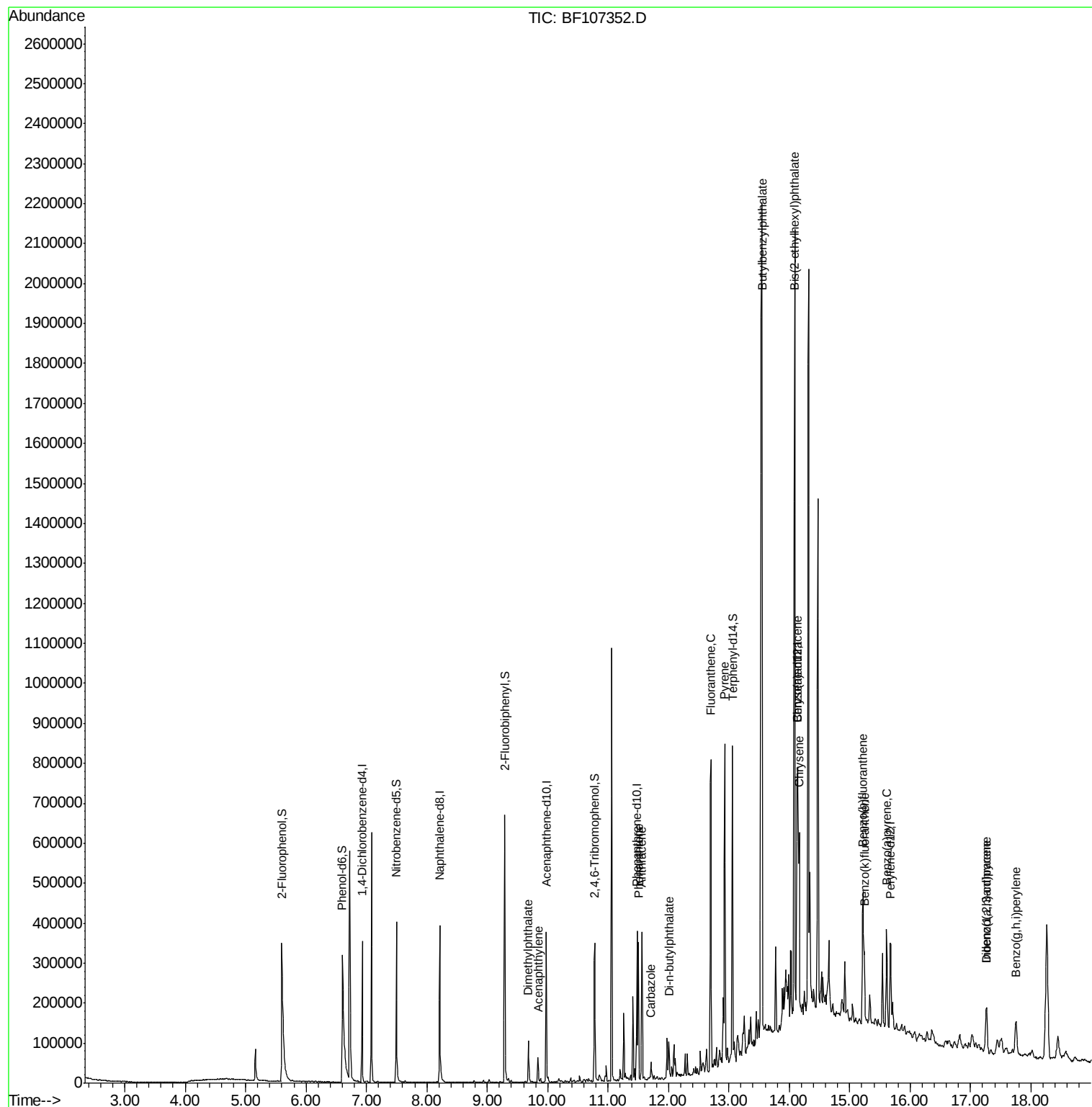
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107352.D
Acq On : 12 Jul 2018 21:07
Operator : JU/SJ
Sample : J3933-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

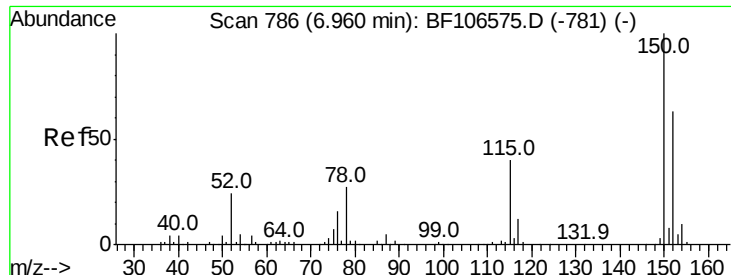
Instrument :
BNA_F
ClientSampleId :
EP-1-3

Manual Integrations
APPROVED

Sohil
7/13/2018 11:17:17 AM

Quant Time: Jul 13 03:59:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 11 16:39:37 2018
Response via : Initial Calibration





#1

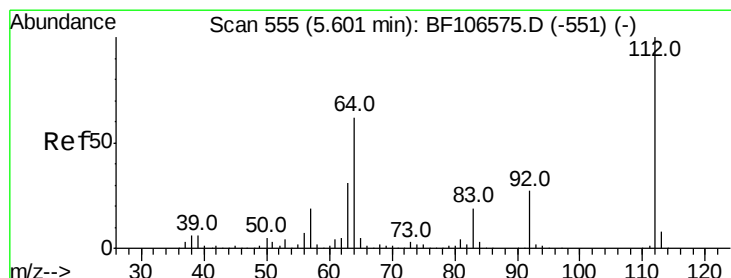
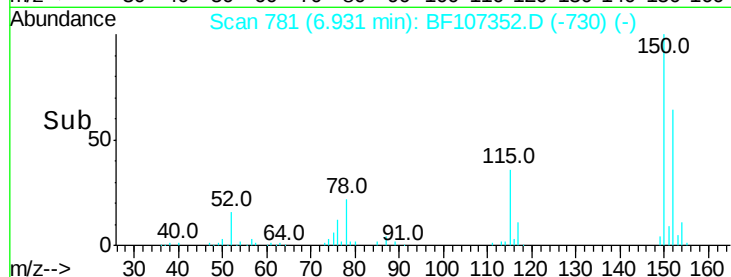
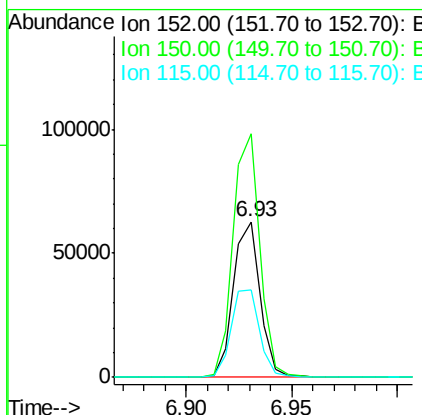
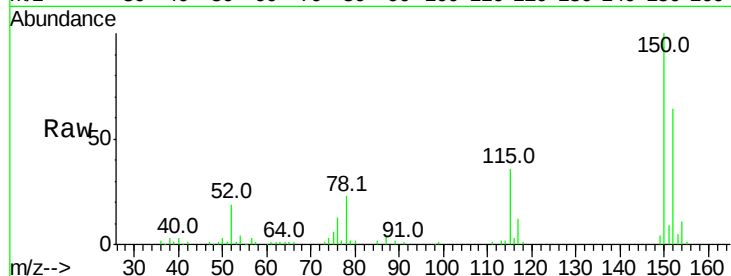
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	56.4	50.1	75.1

Manual Integrations
APPROVED

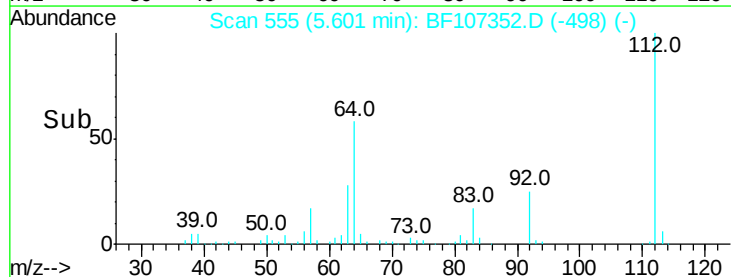
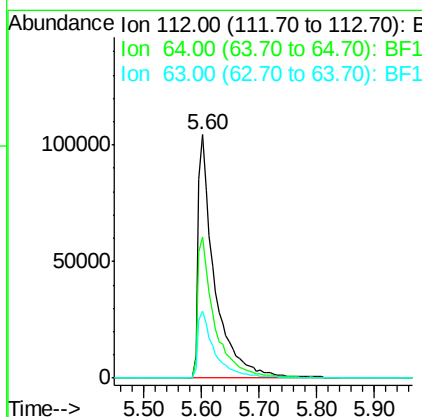
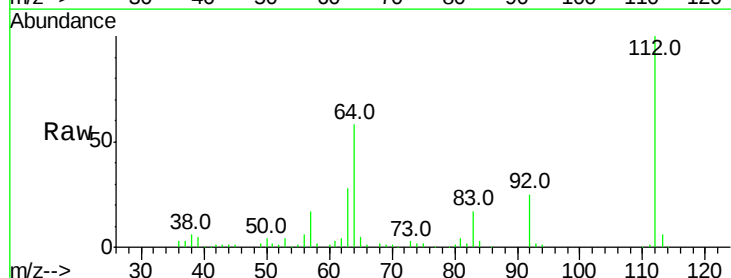
Sohil
7/13/2018 11:17:17 AM



#5

2-Fluorophenol
Concen: 65.140 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.04 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 60.703 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.02 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Instrument :

BNA_F

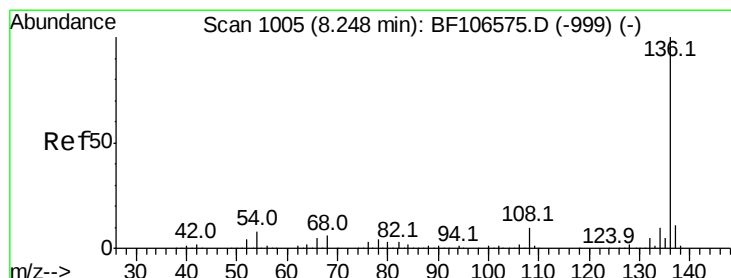
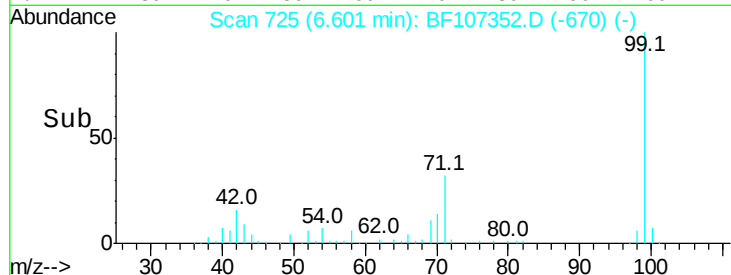
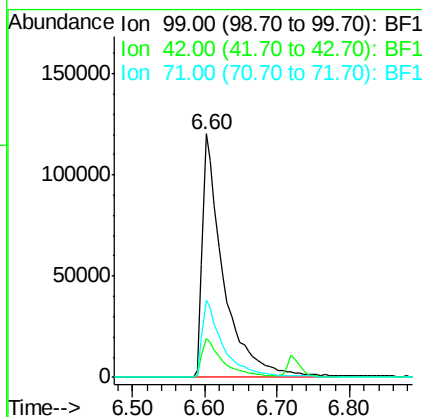
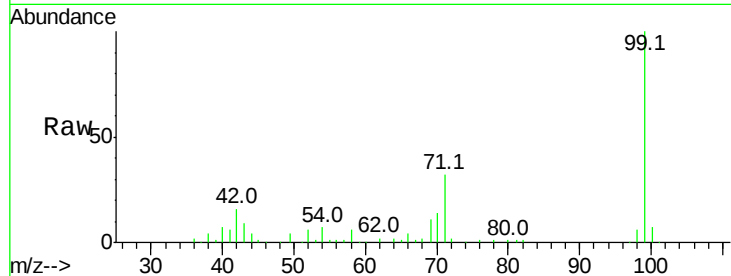
ClientSampled :

EP-1-3

Tot Ion:	99	Resp:	243458
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	31.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/13/2018 11:17:17 AM



#21

Naphthalene-d8

Concen: 20.000 ng

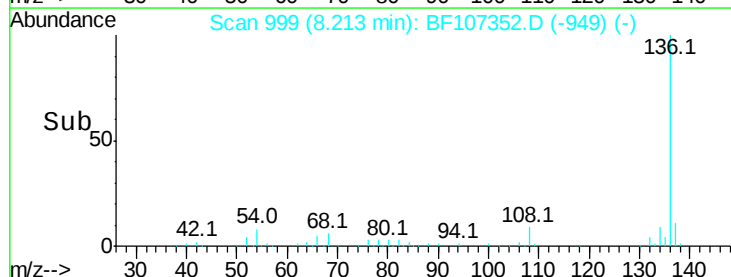
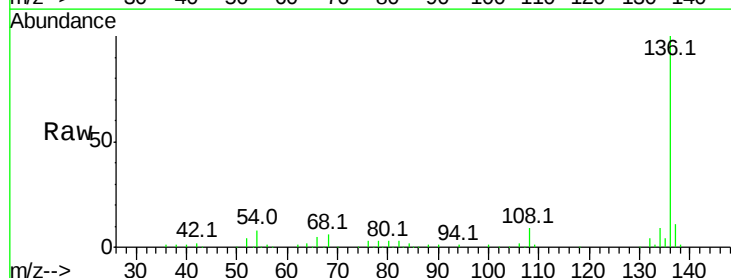
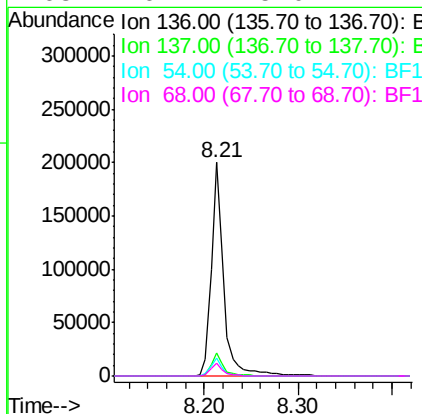
RT: 8.21 min Scan# 999

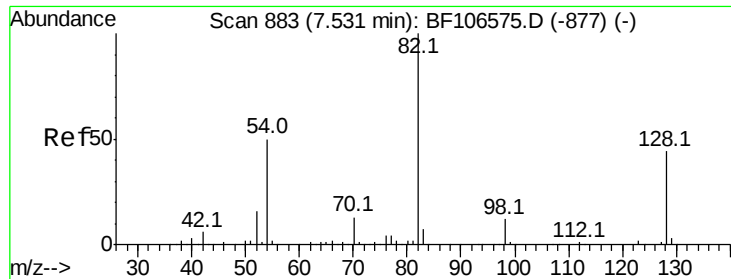
Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Tgt Ion:	136	Resp:	188820
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4





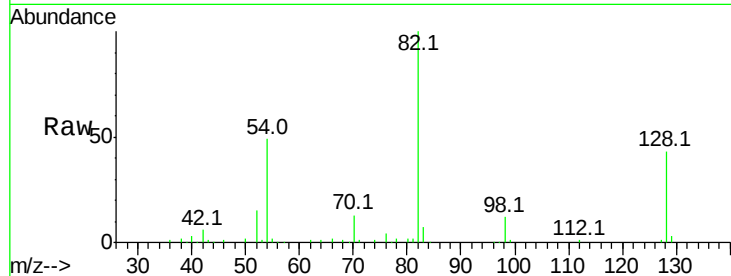
#23
 Nitrobenzene-d5
 Concen: 40.517 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Instrument :
 BNA_F
 ClientSampled :
 EP-1-3

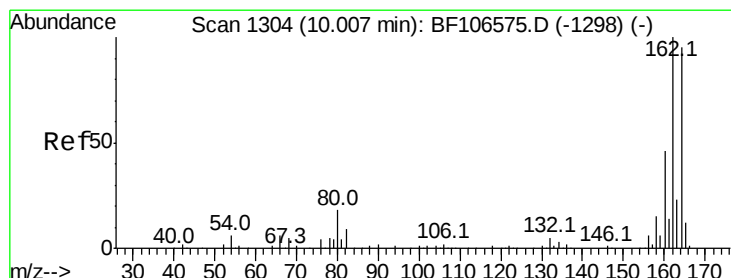
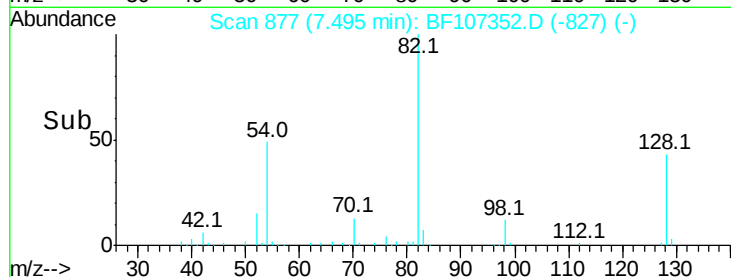
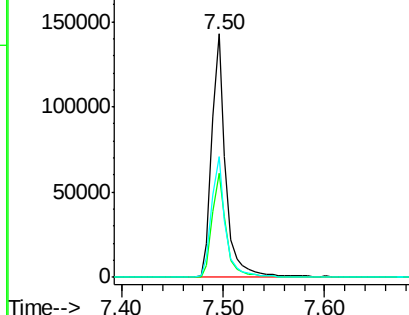
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	49.4	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 7/13/2018 11:17:17 AM

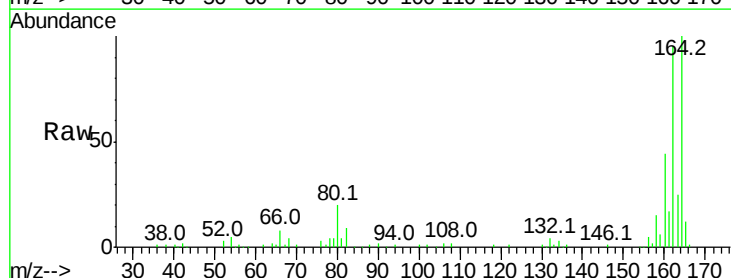


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

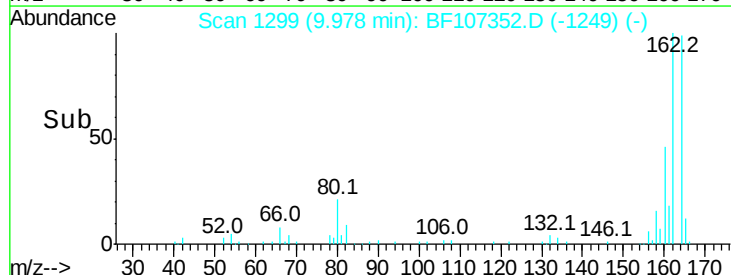
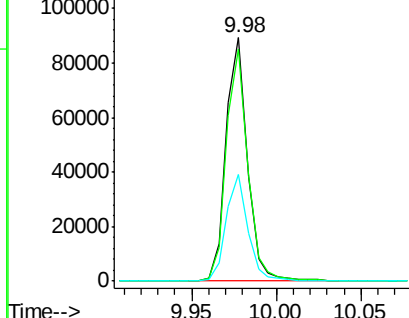


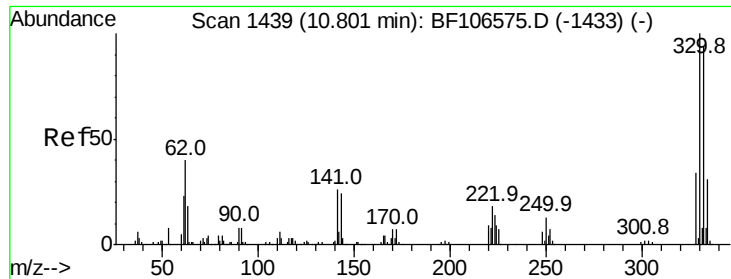
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.3	86.1	129.1
160	43.7	38.3	57.5



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





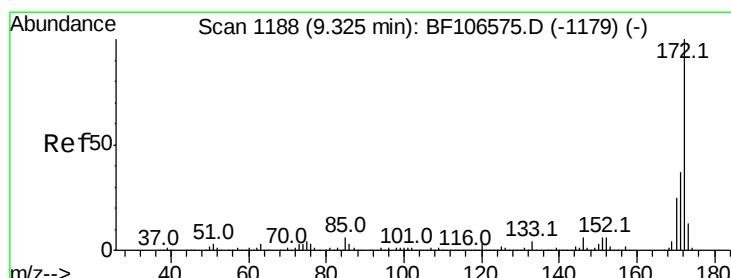
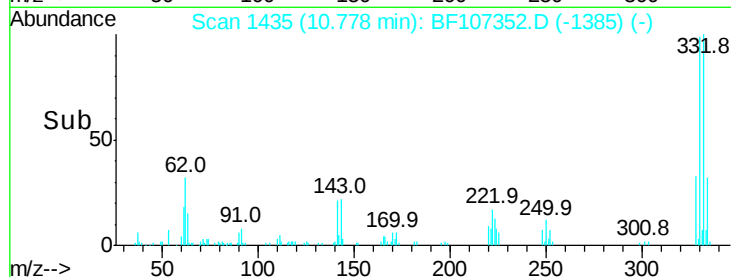
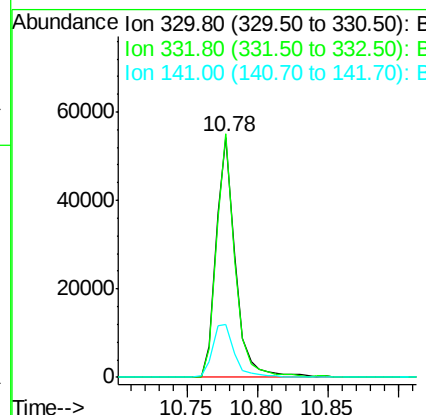
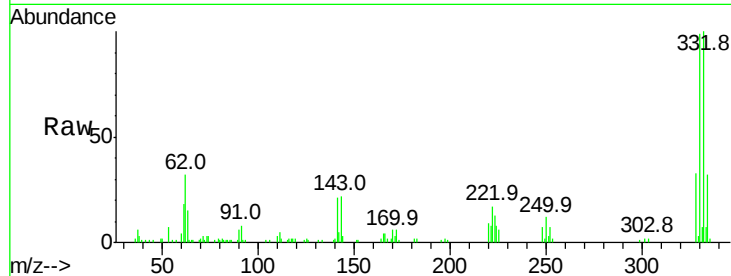
#41
 2,4,6-Tribromophenol
 Concen: 55.971 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Instrument :
 BNA_F
 ClientSampled :
 EP-1-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	25.2	29.9	44.9#

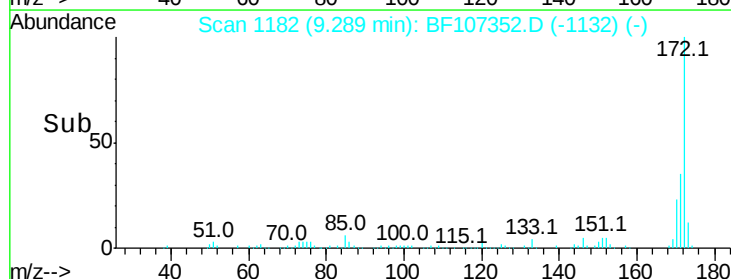
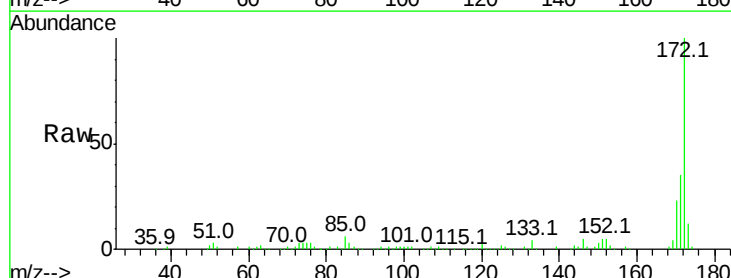
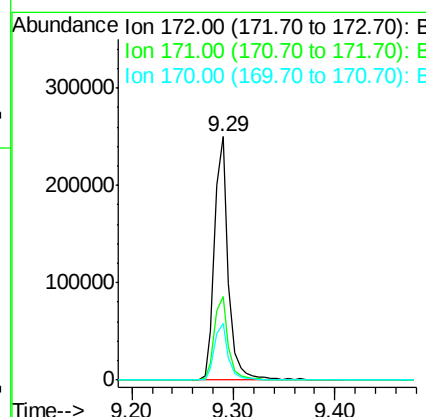
Manual Integrations
 APPROVED

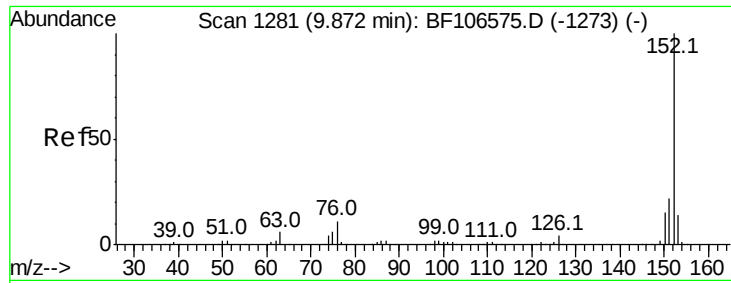
Sohil
 7/13/2018 11:17:17 AM



#44
 2-Fluorobiphenyl
 Concen: 44.011 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.3	19.6	29.4





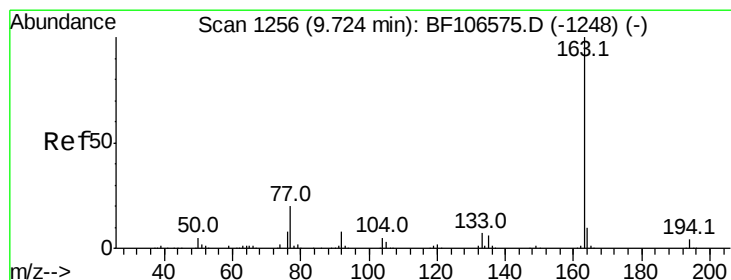
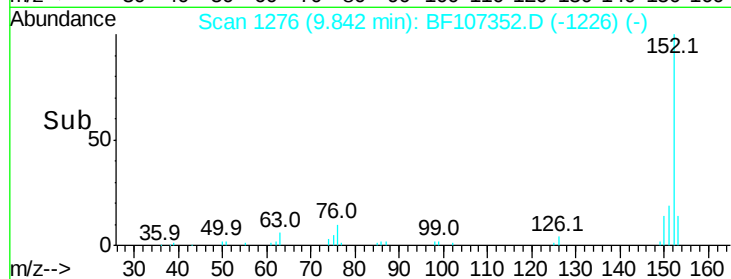
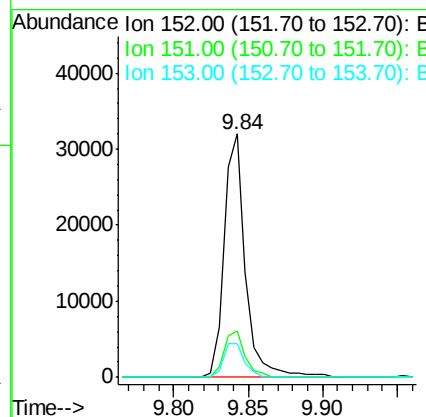
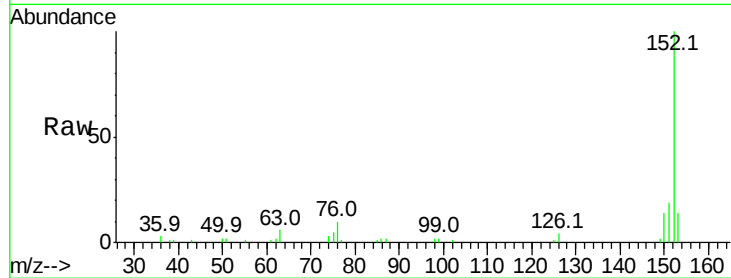
#48
Acenaphthylene
Concen: 4.097 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	14.1	10.7	16.1

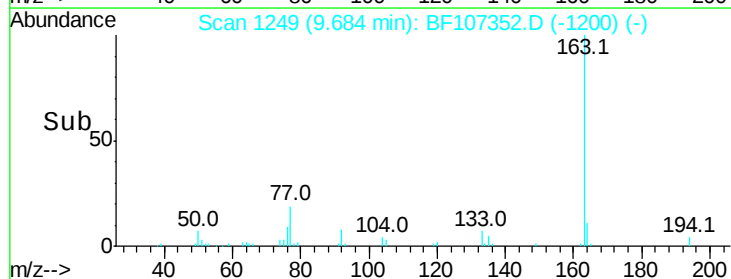
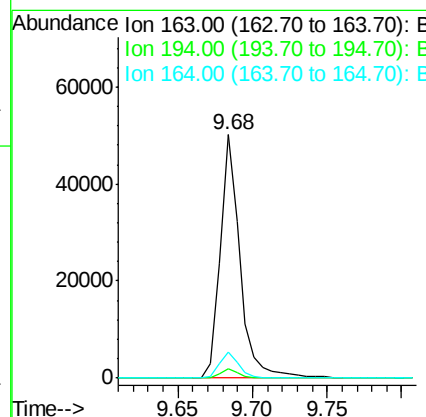
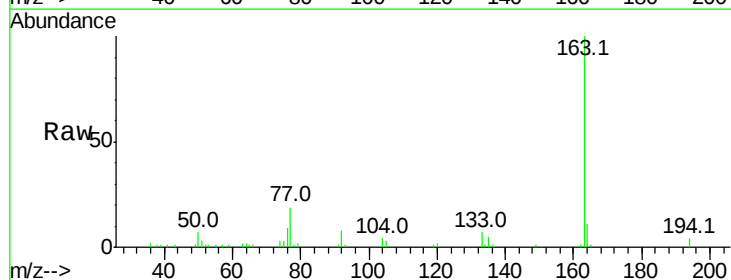
Manual Integrations
APPROVED

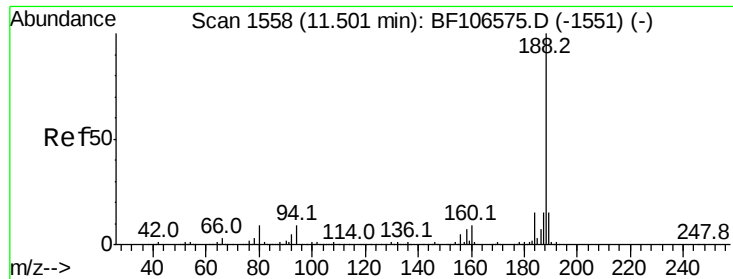
Sohil
7/13/2018 11:17:17 AM



#49
Dimethylphthalate
Concen: 7.857 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.9	8.2	12.2





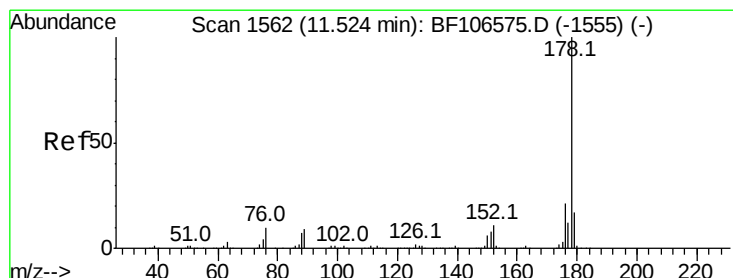
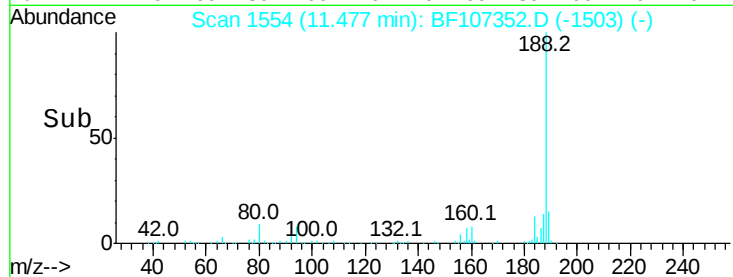
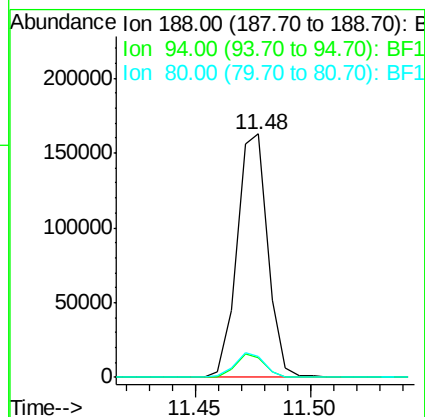
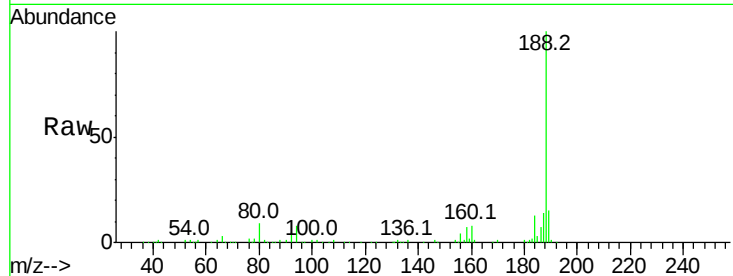
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

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

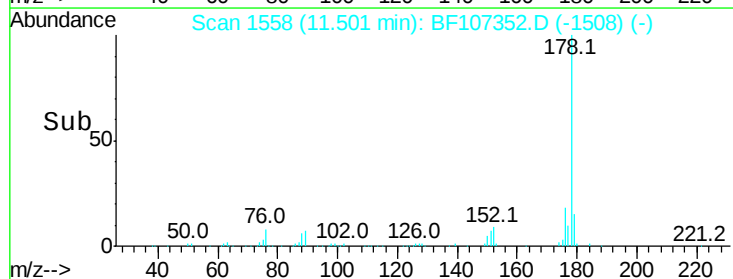
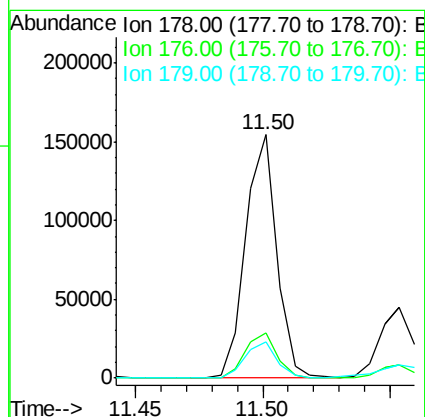
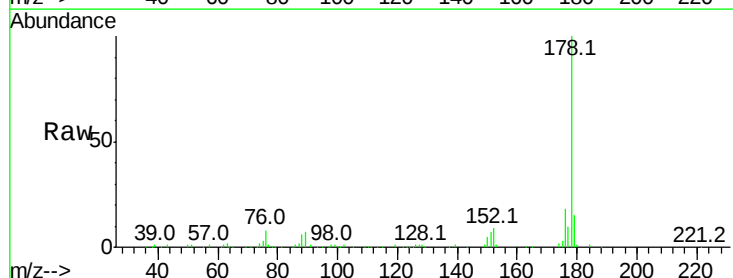
Manual Integrations
APPROVED

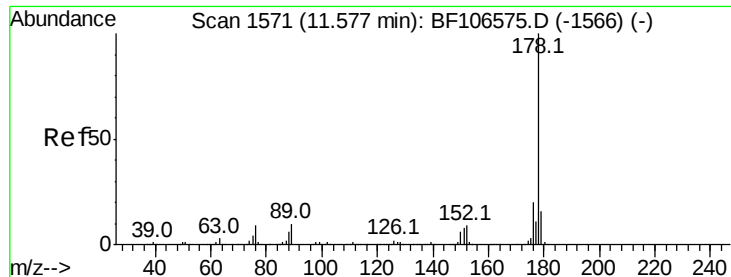
Sohil
7/13/2018 11:17:17 AM



#70
Phenanthrene
Concen: 18.171 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	15.8	23.8
179	15.1	13.0	19.6





#71

Anthracene

Concen: 5.726 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Instrument :

BNA_F

ClientSampled :

EP-1-3

Tot Ion:178 Resp: 42470

Ion Ratio Lower Upper

178 100

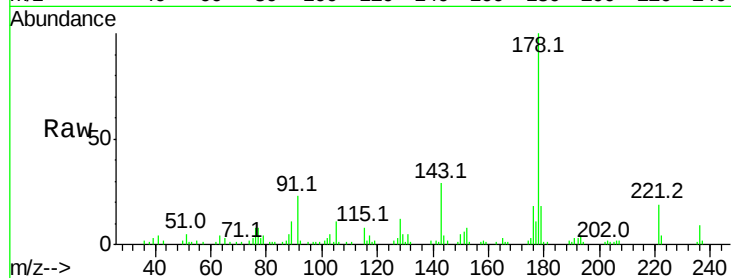
176 18.3 15.4 23.2

179 18.1 12.6 19.0

Manual Integrations
APPROVED

Sohil

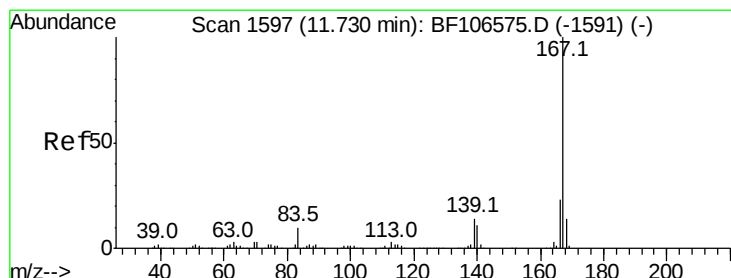
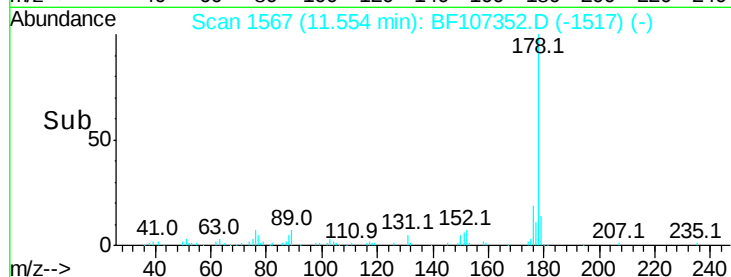
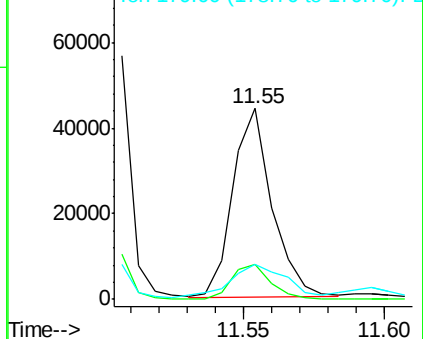
7/13/2018 11:17:17 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.259 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

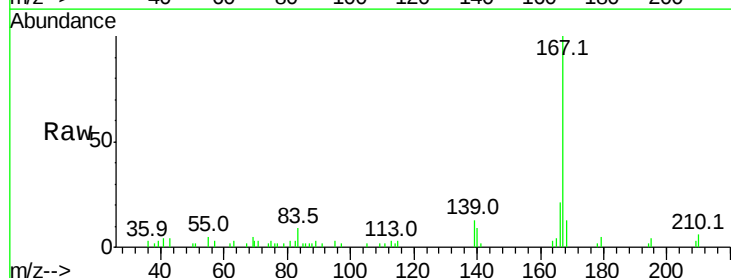
Tgt Ion:167 Resp: 15689

Ion Ratio Lower Upper

167 100

166 21.3 17.6 26.4

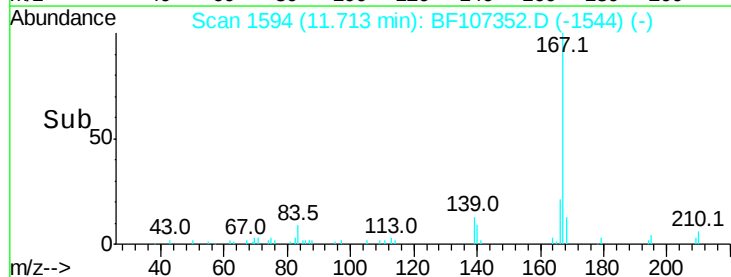
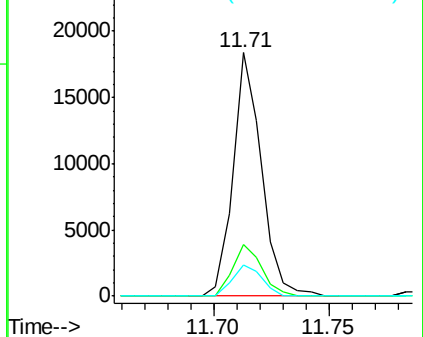
139 12.5 10.9 16.3

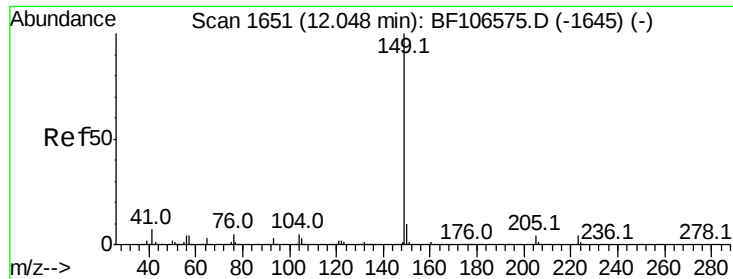


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





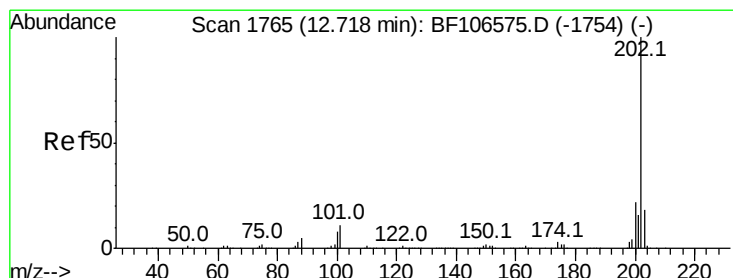
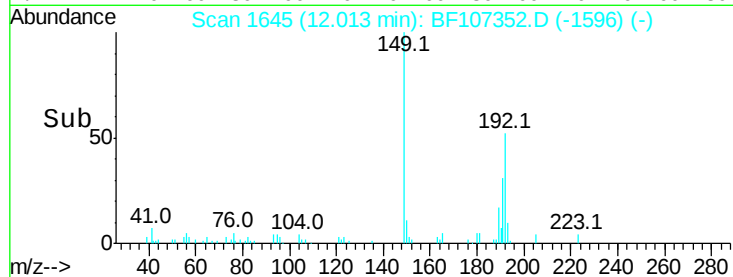
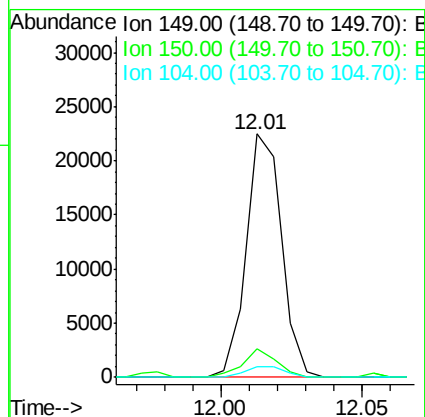
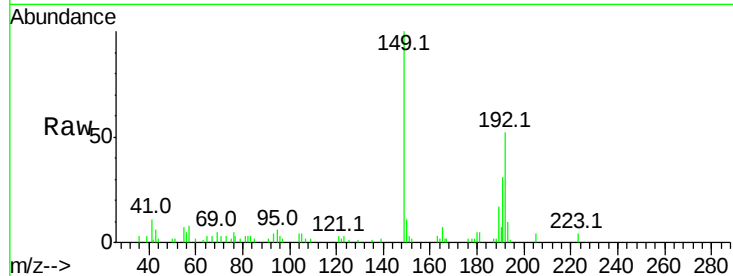
#73
Di-n-butylphthalate
Concen: 2.389 ng
RT: 12.01 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	11.5	7.8	11.6	
104	4.3	3.8	5.8	

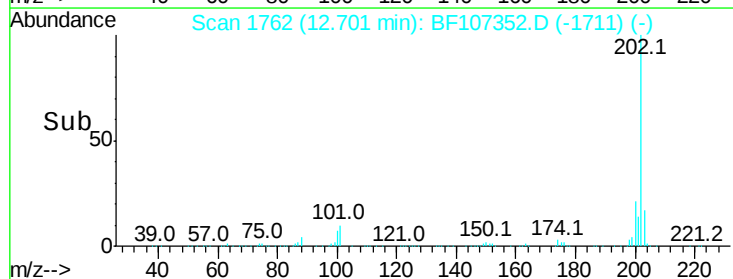
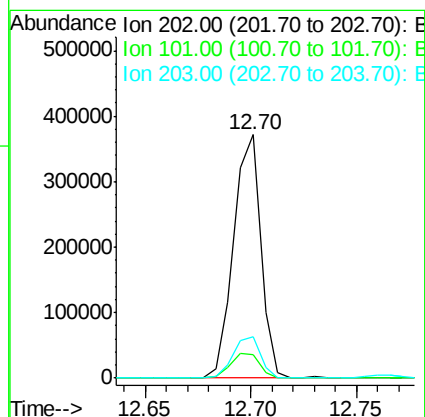
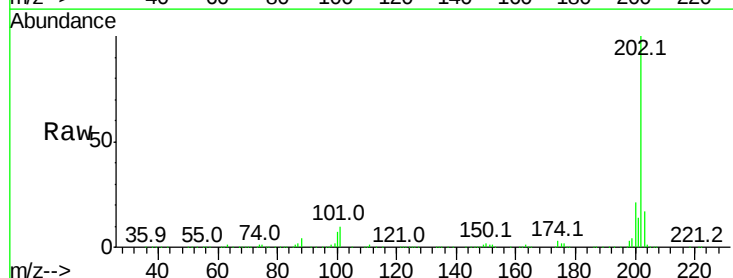
Manual Integrations
APPROVED

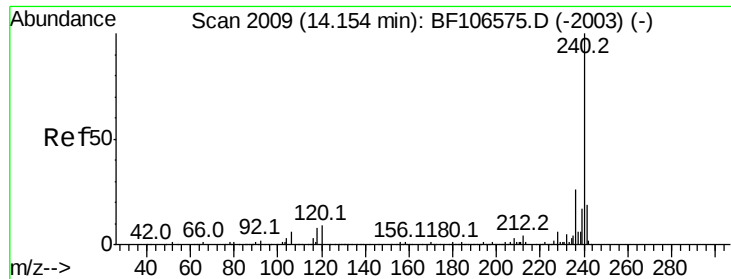
Sohil
7/13/2018 11:17:17 AM



#74
Fluoranthene
Concen: 41.507 ng
RT: 12.70 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.5	0.0	34.1	
203	16.8	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Instrument :

BNA_F

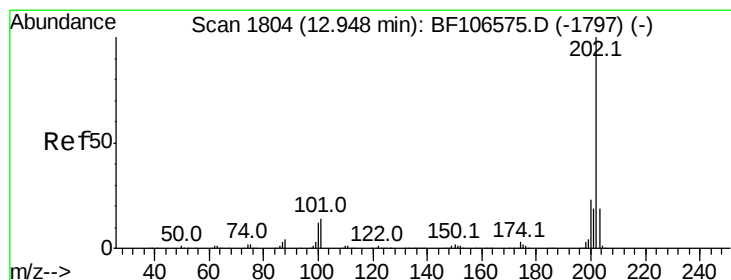
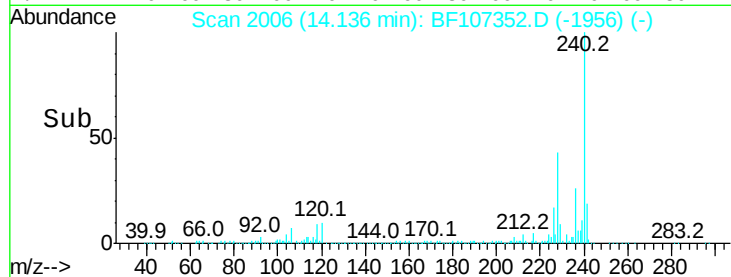
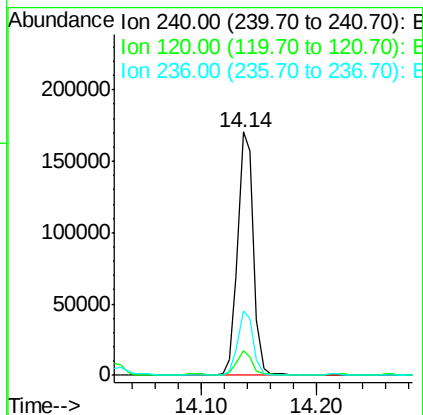
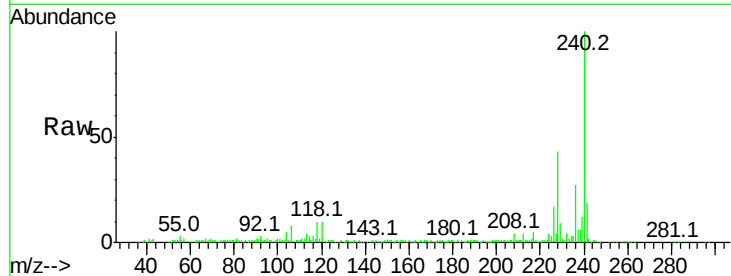
ClientSampled :

EP-1-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	162487		
120	10.4		9.5	14.3
236	26.5		20.7	31.1

Manual Integrations
APPROVED

Sohil
7/13/2018 11:17:17 AM



#77

Pyrene

Concen: 30.920 ng

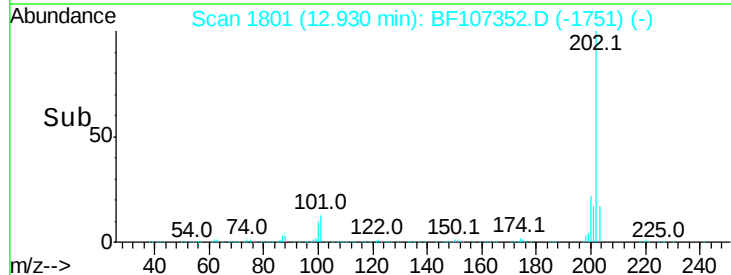
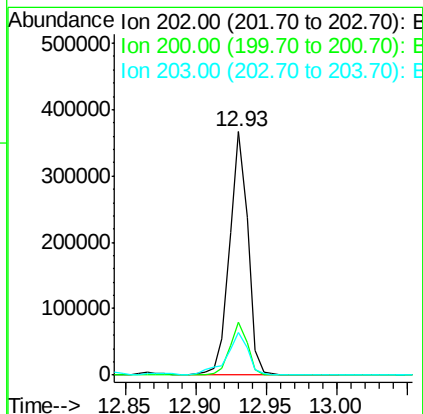
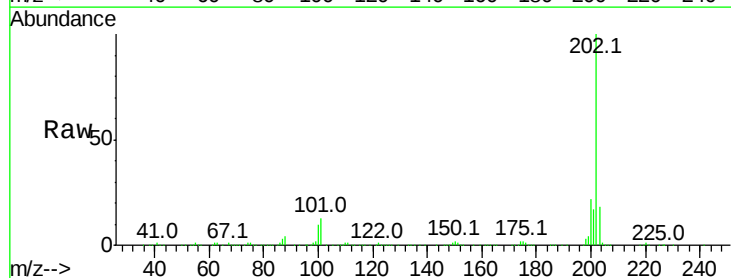
RT: 12.93 min Scan# 1801

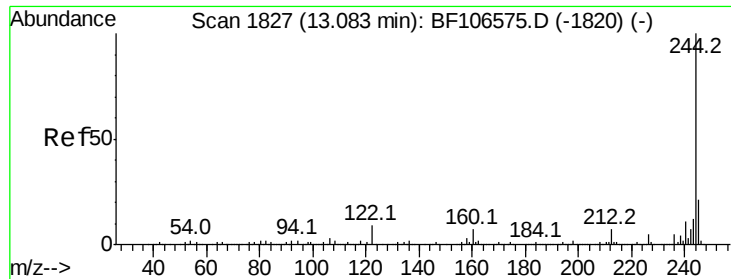
Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	331299		
200	21.6		17.4	26.2
203	17.5		14.3	21.5





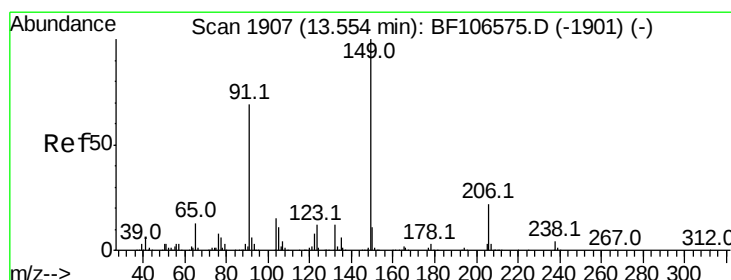
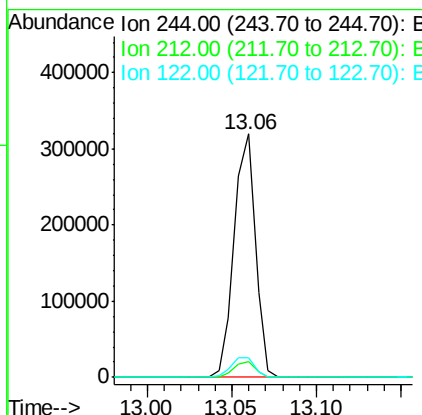
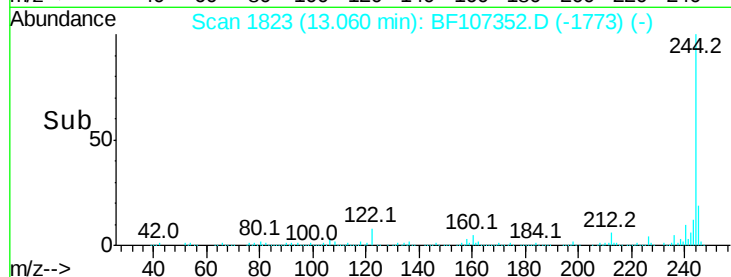
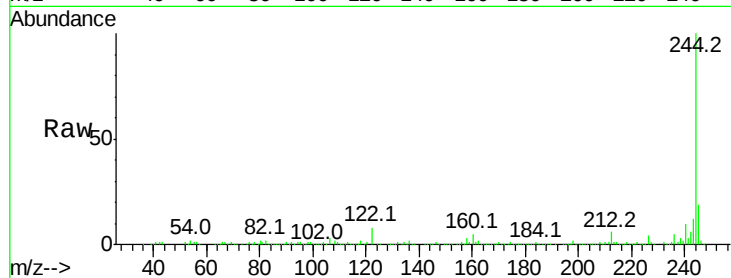
#78
 Terphenyl-d14
 Concen: 41.731 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :
 EP-1-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	7.9	11.0	16.4

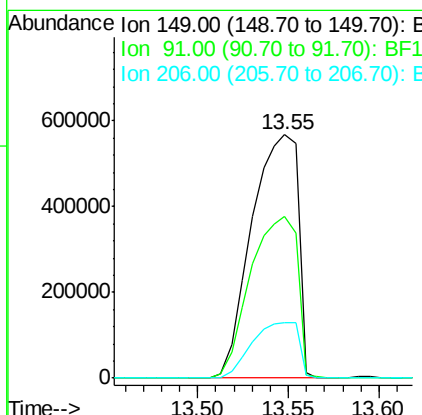
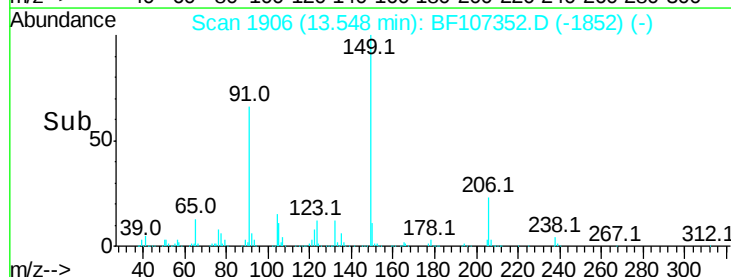
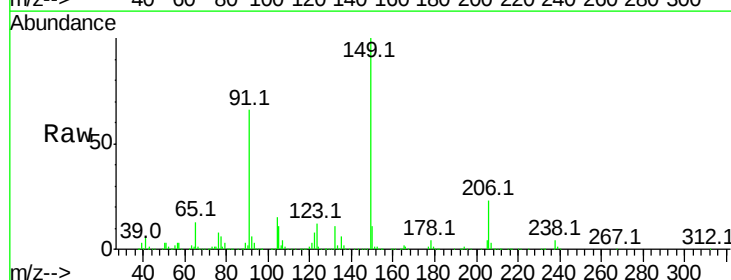
Manual Integrations
 APPROVED

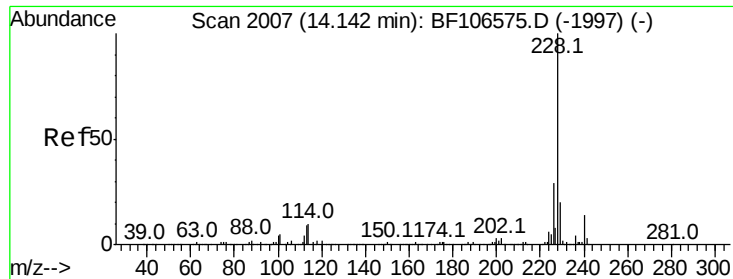
Sohil
 7/13/2018 11:17:17 AM



#79
 Butylbenzylphthalate
 Concen: 228.662 ng
 RT: 13.55 min Scan# 1906
 Delta R.T. 0.02 min
 Lab File: BF107352.D
 Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.4	56.8	85.2
206	22.6	14.1	21.1





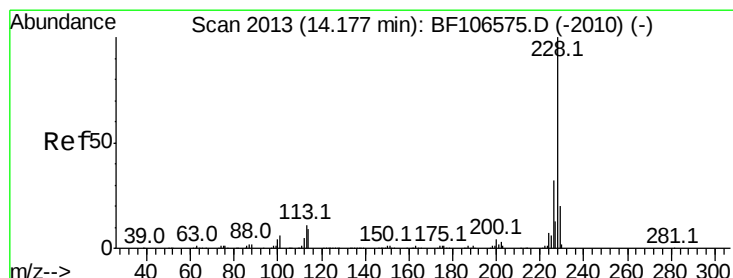
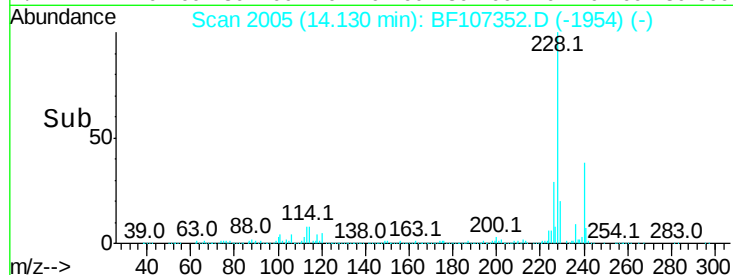
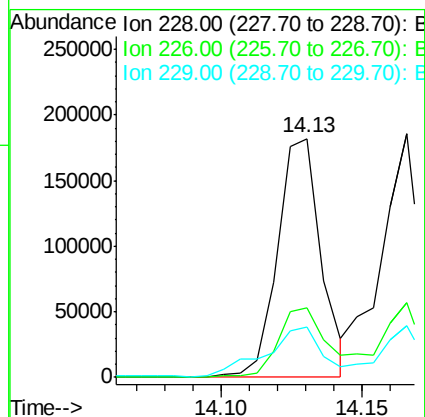
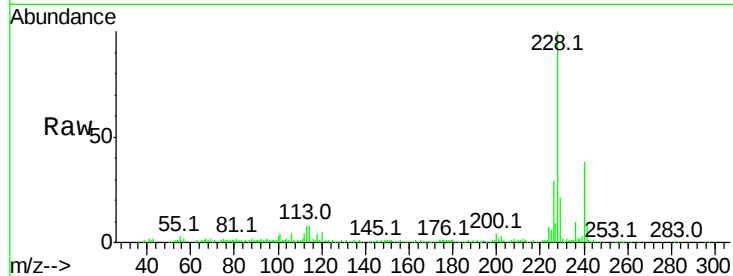
#80
Benzo(a)anthracene
Concen: 19.609 ng
RT: 14.13 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	194195		
226	29.4		22.6	33.8
229	21.1		15.8	23.6

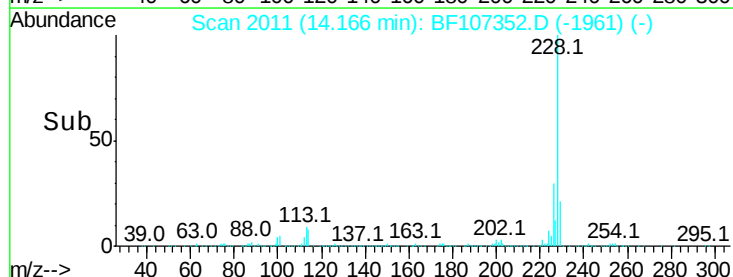
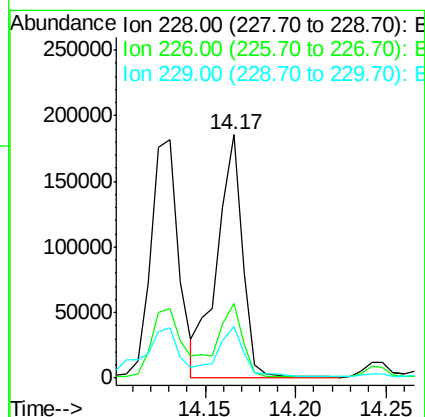
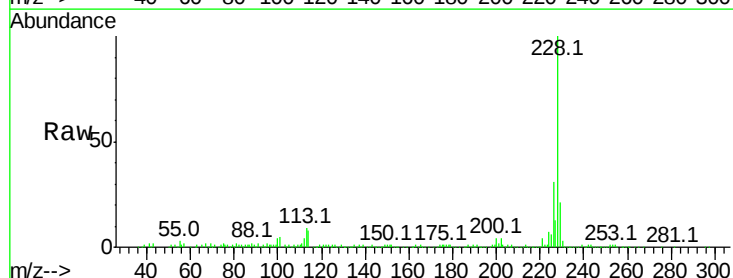
Manual Integrations
APPROVED

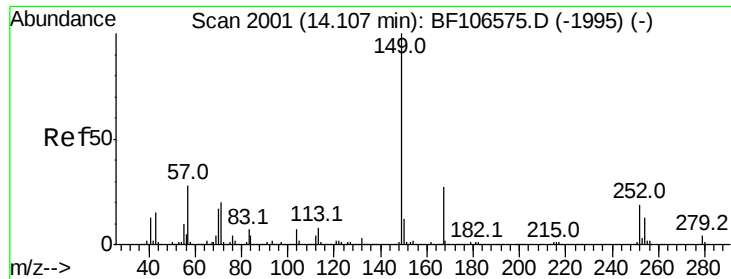
Sohil
7/13/2018 11:17:17 AM



#82
Chrysene
Concen: 19.691 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	179403		
226	30.6		25.0	37.6
229	21.3		16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 147.934 ng

RT: 14.09 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Instrument :

BNA_F

ClientSampleId :

EP-1-3

Tot Ion:149 Resp: 833196

Ion Ratio Lower Upper

149 100

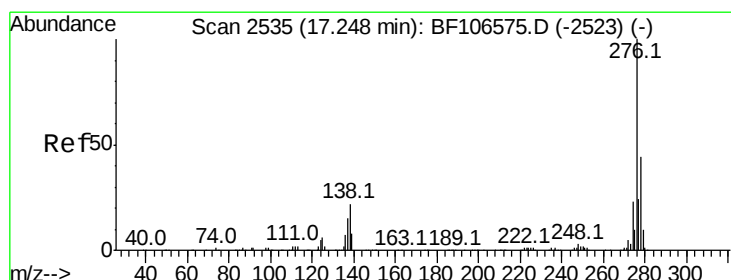
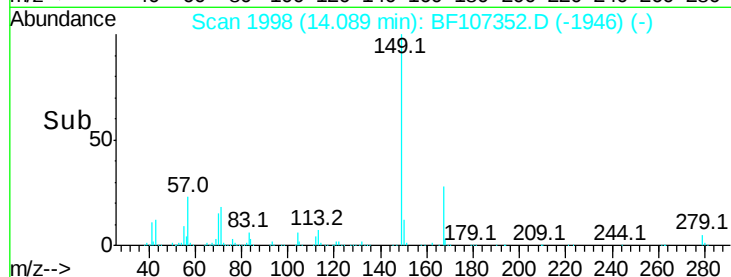
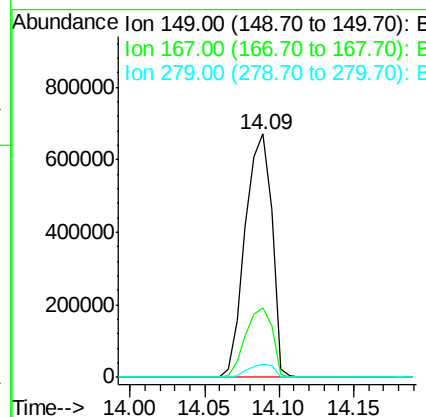
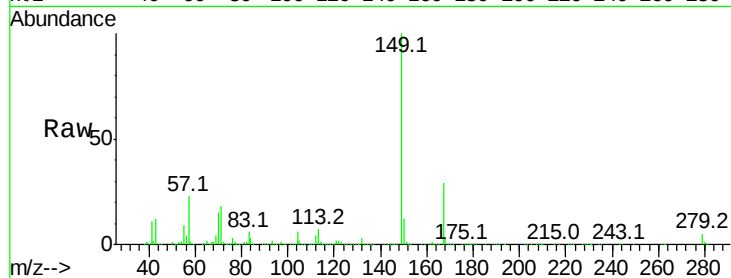
167 28.5 21.3 31.9

279 5.4 3.0 4.4#

Manual Integrations
APPROVED

Sohil

7/13/2018 11:17:17 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.900 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

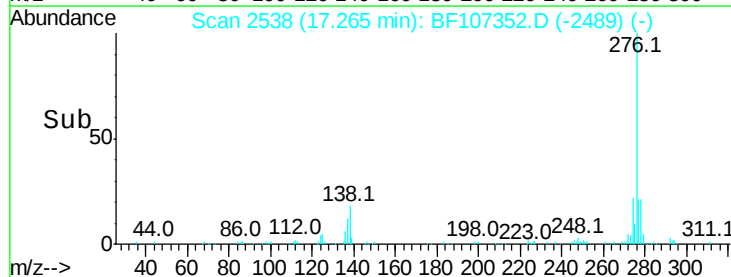
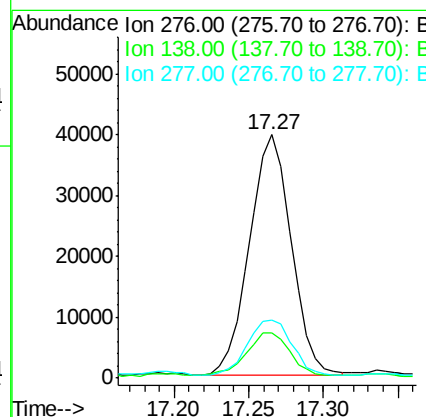
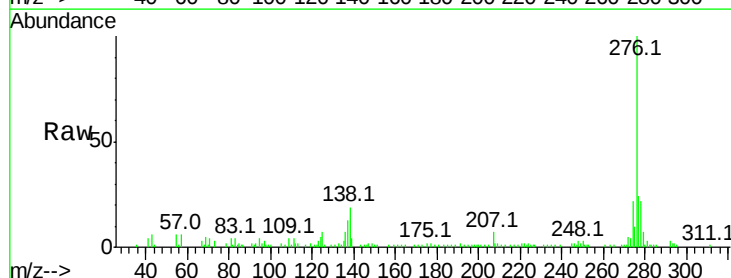
Tgt Ion:276 Resp: 76545

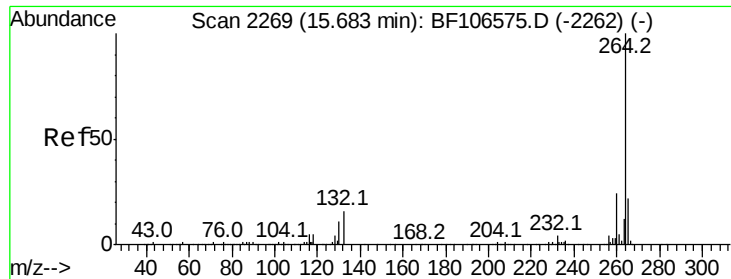
Ion Ratio Lower Upper

276 100

138 20.3 25.0 37.6#

277 24.6 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF107352.D

Acq: 12 Jul 2018 21:07

Instrument :

BNA_F

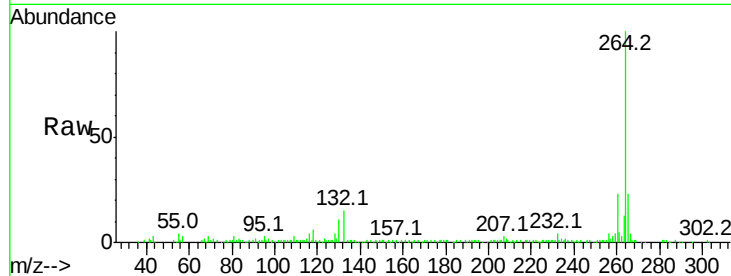
ClientSampleId :

EP-1-3

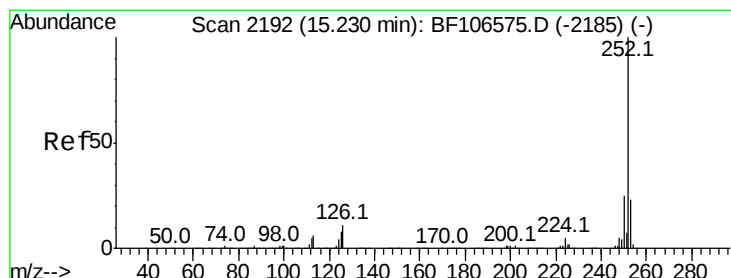
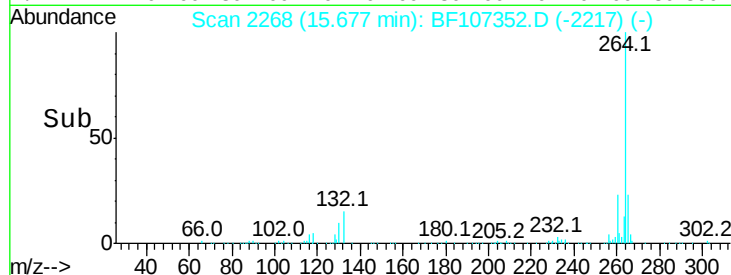
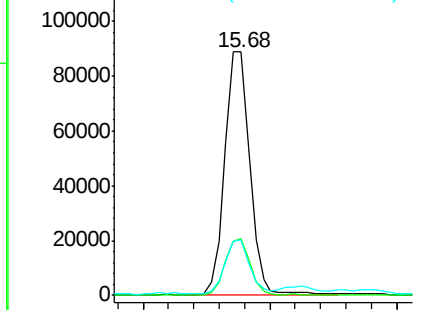
Tot Ion:	264	Resp:	122833
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	23.0	17.5	26.3

Manual Integrations
APPROVED

Sohil
7/13/2018 11:17:17 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: 27.122 ng m

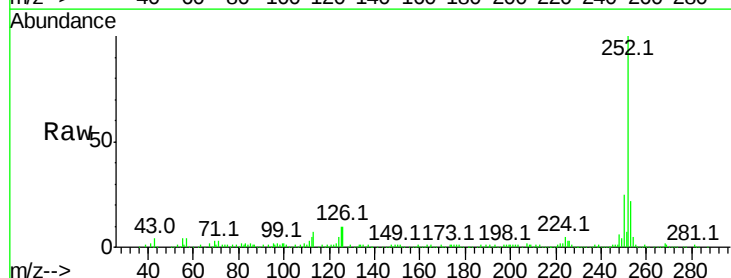
RT: 15.22 min Scan# 2190

Delta R.T. -0.01 min

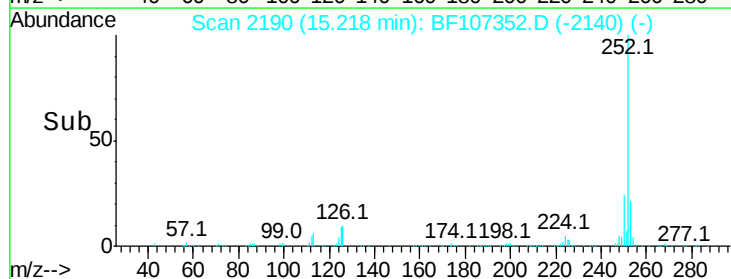
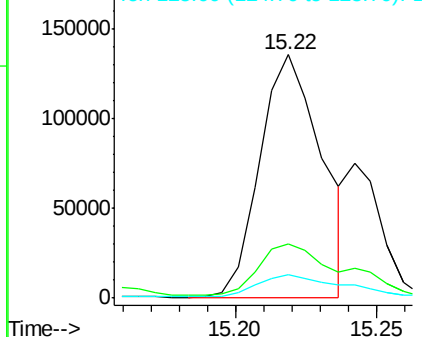
Lab File: BF107352.D

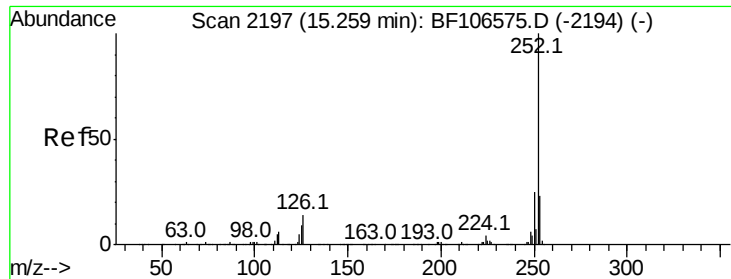
Acq: 12 Jul 2018 21:07

Tgt Ion:	252	Resp:	206951
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	9.5	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





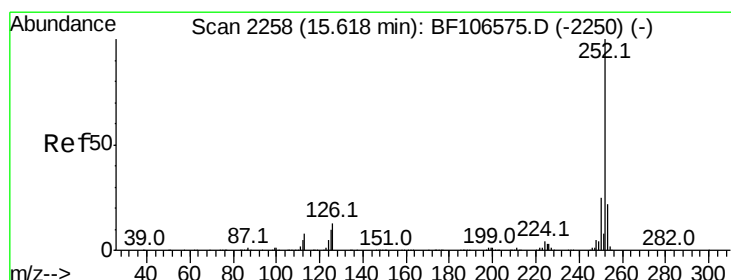
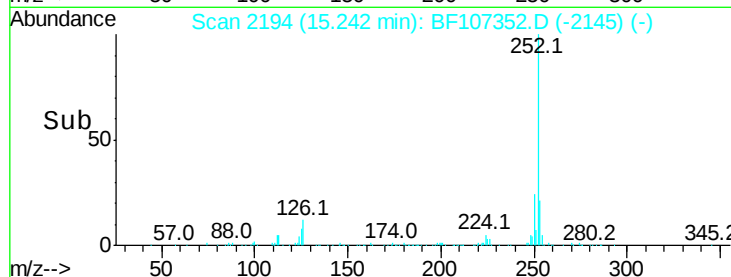
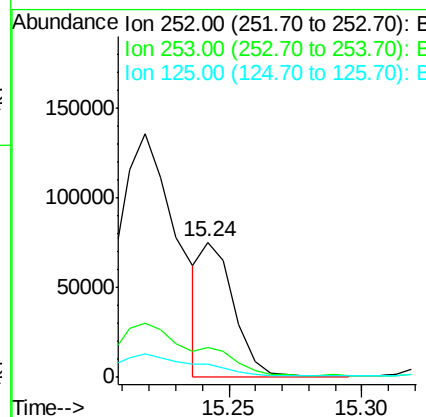
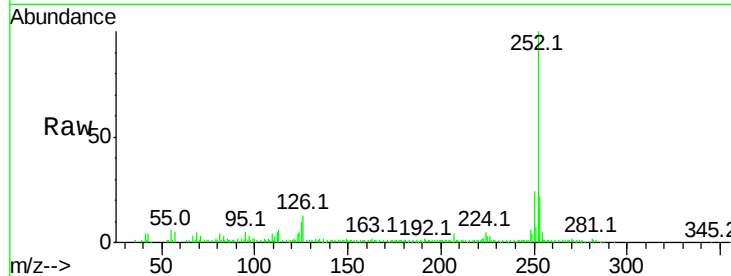
#88
Benzo(k)fluoranthene
Concen: 9.086 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampled :
EP-1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	9.6	10.2	15.2#

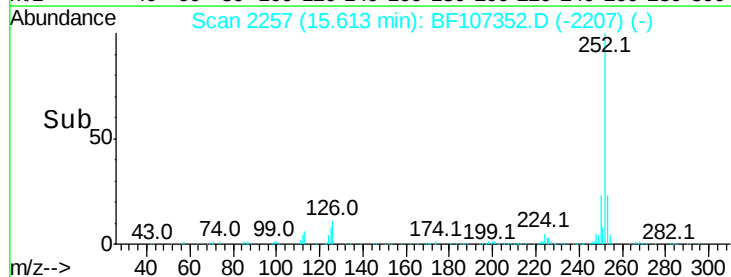
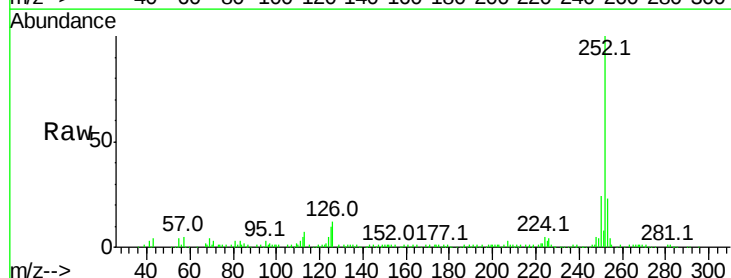
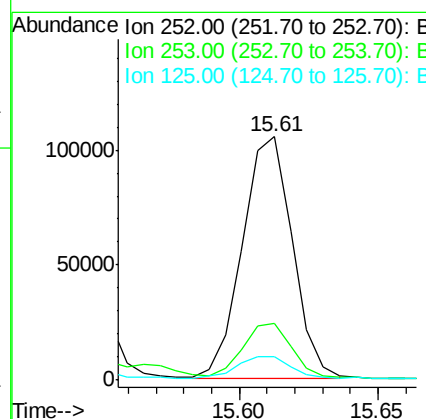
Manual Integrations
APPROVED

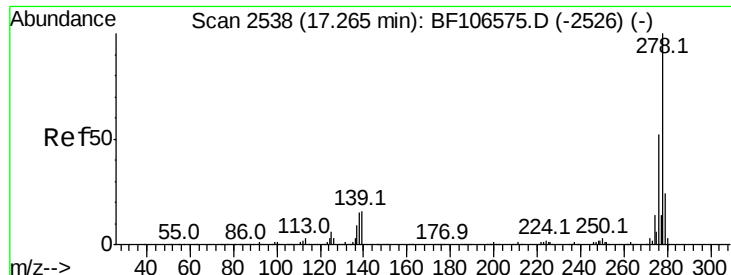
Sohil
7/13/2018 11:17:17 AM



#89
Benzo(a)pyrene
Concen: 19.491 ng m
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	9.6	9.8	14.6#





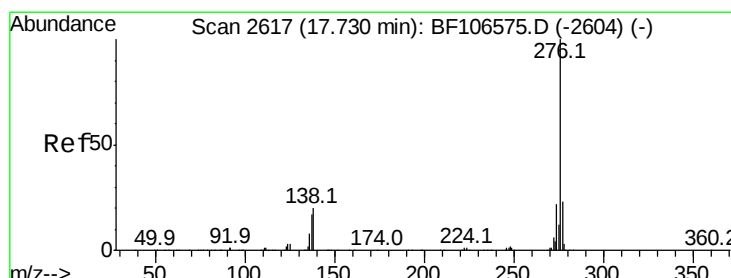
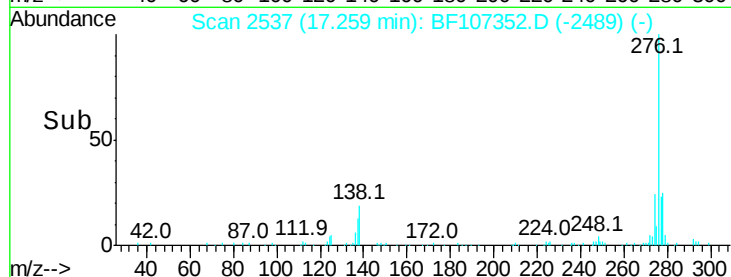
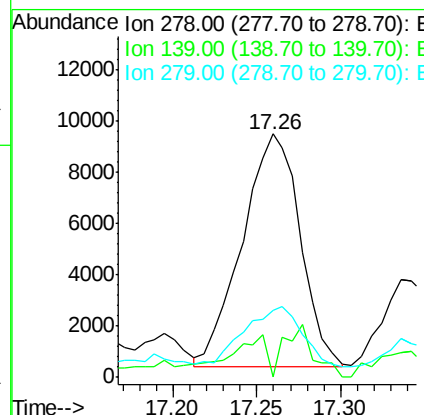
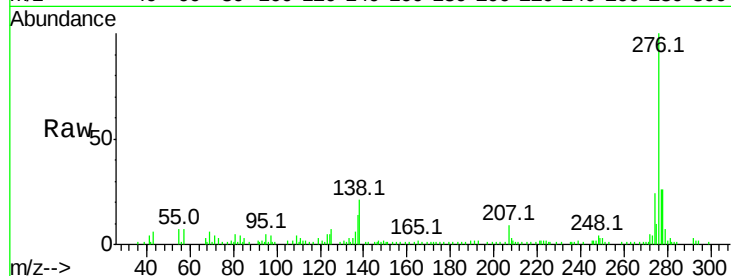
#90
Dibenzo(a,h)anthracene
Concen: 3.822 ng m
RT: 17.26 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Instrument :
BNA_F
ClientSampleId :
EP-1-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/13/2018 11:17:17 AM



#91
Benzo(g,h,i)perylene
Concen: 13.082 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF107352.D
Acq: 12 Jul 2018 21:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	18.2	21.8	32.8#

