

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107954.D
 Acq On : 3 Aug 2018 22:43
 Operator : JU/SJ
 Sample : J4310-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 5:05:50 PM

Quant Time: Aug 04 05:09:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	97558	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	441828	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	173585	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	288428	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	315426	20.00	ng	-0.01
86) Perylene-d12	15.67	264	314113	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	376470	65.58	ng	0.00
7) Phenol-d6	6.60	99	602157	79.59	ng	0.00
23) Nitrobenzene-d5	7.53	82	368501	48.05	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	128996	54.69	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	750411	60.24	ng	-0.02
78) Terphenyl-d14	13.07	244	649531	44.65	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	47039	3.608	ng	99
70) Phenanthrene	11.51	178	136491	9.966	ng	97
71) Anthracene	11.57	178	58184m	3.683	ng	
74) Fluoranthene	12.71	202	235498	14.637	ng	95
77) Pyrene	12.94	202	218259	9.609	ng	97
80) Benzo(a)anthracene	14.13	228	126255	7.066	ng	97
82) Chrysene	14.17	228	126689	6.574	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	46083	3.144	ng	# 58
87) Benzo(b)fluoranthene	15.22	252	124990m	8.068	ng	
88) Benzo(k)fluoranthene	15.24	252	81882m	4.305	ng	
89) Benzo(a)pyrene	15.61	252	100411	6.278	ng	96
91) Benzo(a,h,i)perylene	17.74	276	43580	3.228	ng	# 90

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

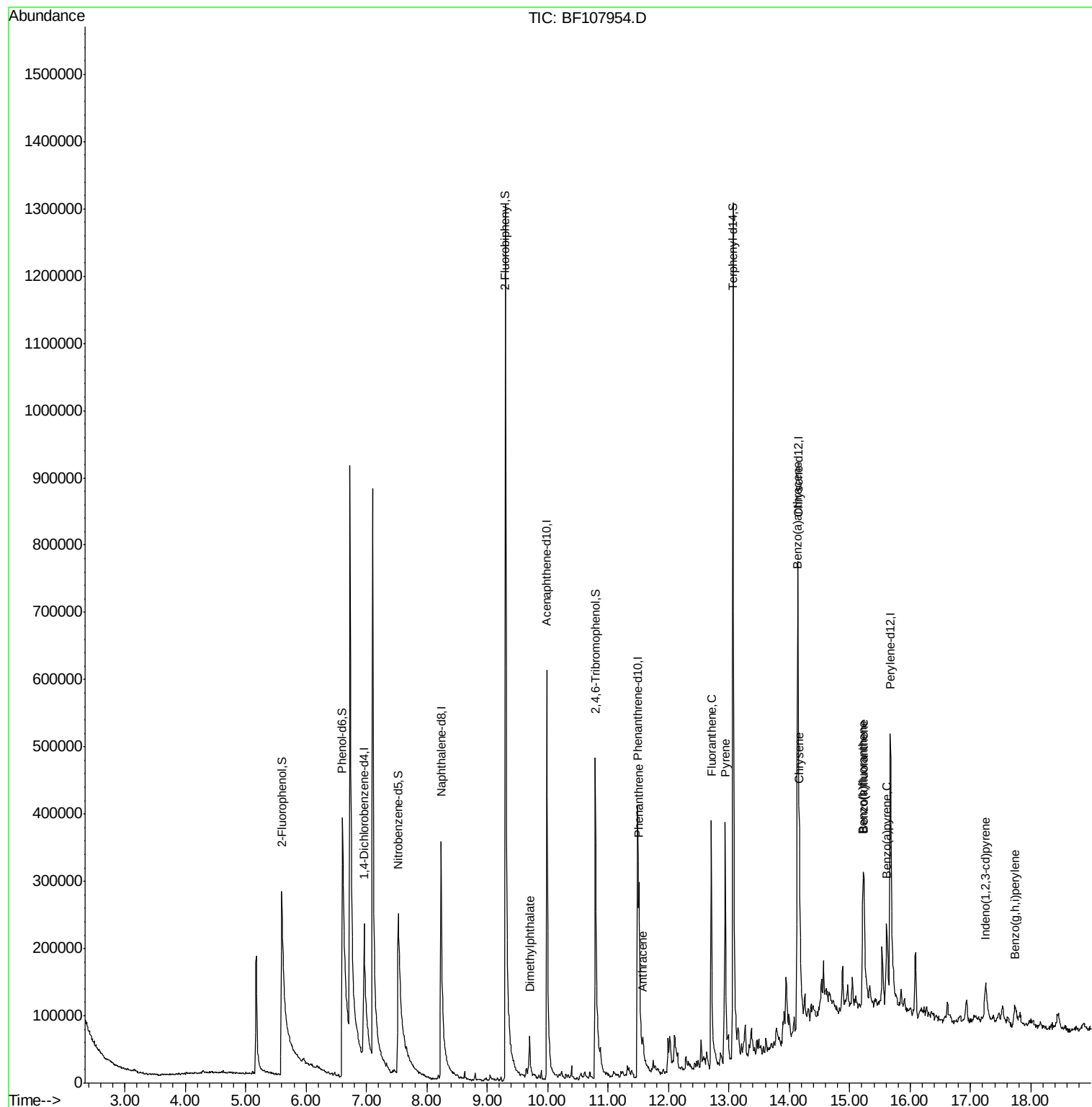
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

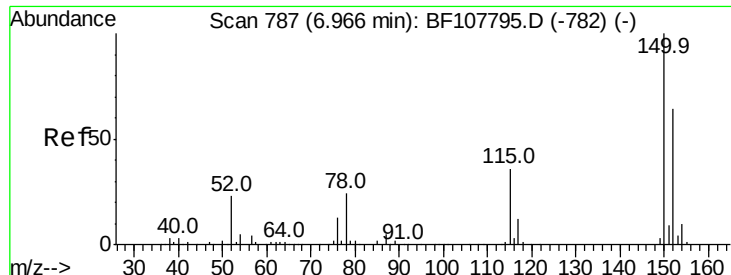
Instrument :
BNA_F
ClientSampleId :
C-3

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM

Quant Time: Aug 04 05:09:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration





#1

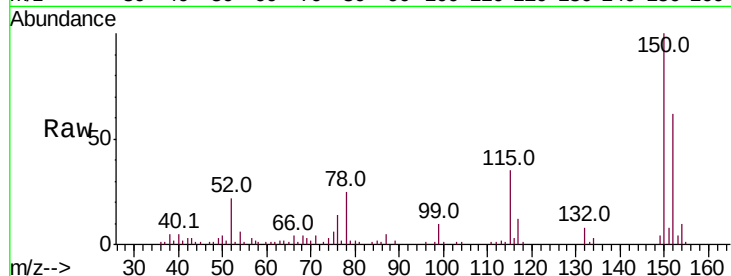
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :
C-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	56.0	50.1	75.1

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM

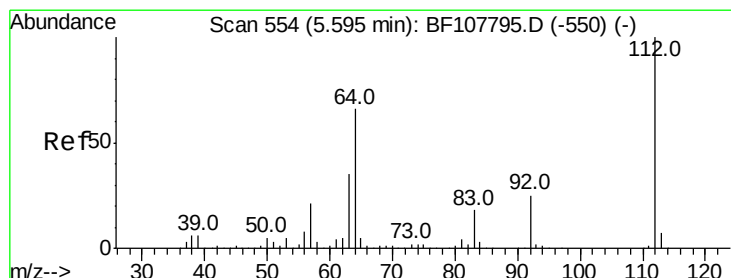
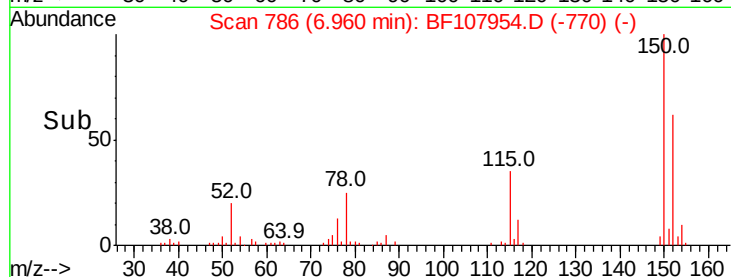
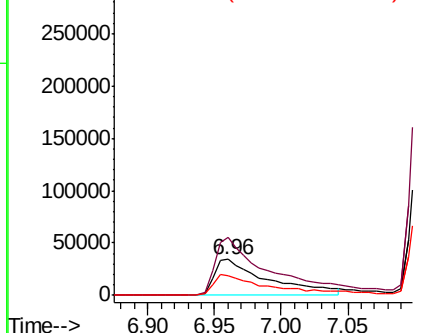


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

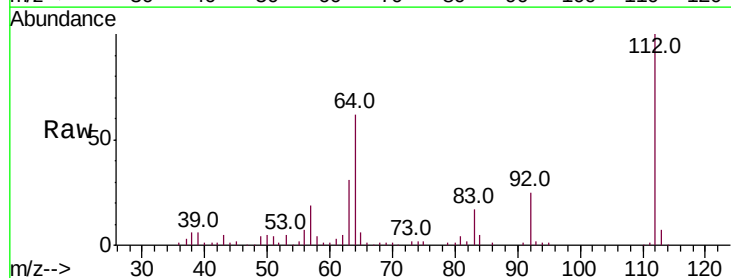
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.584 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.4	23.7	35.5

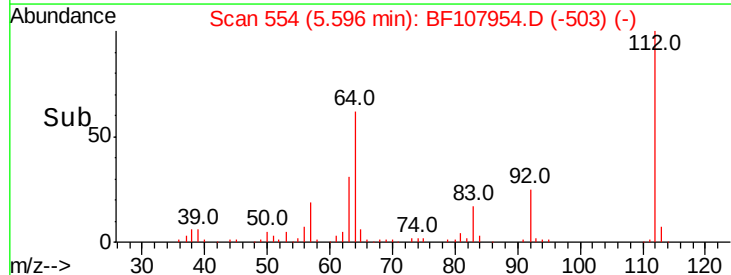
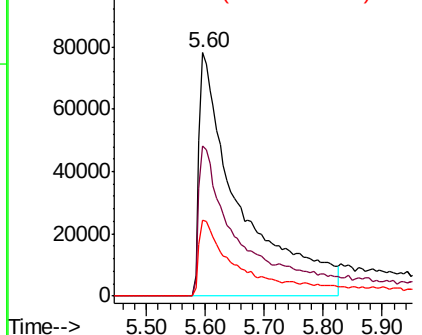


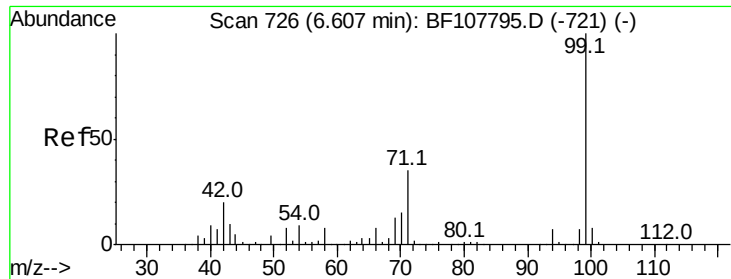
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.595 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

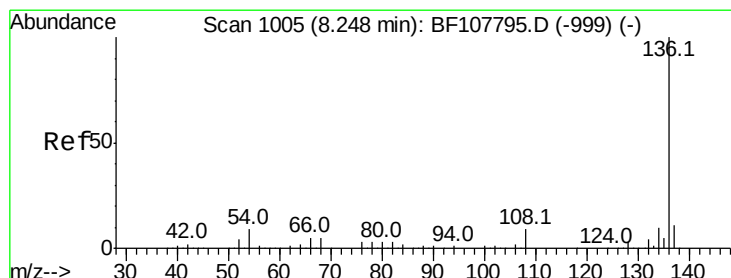
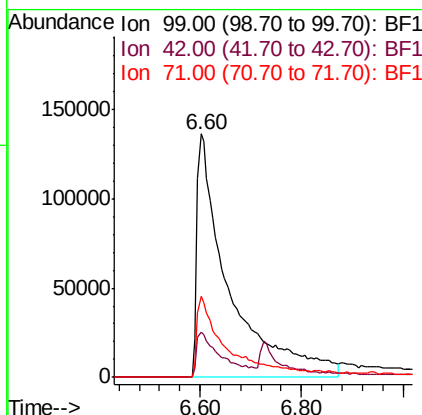
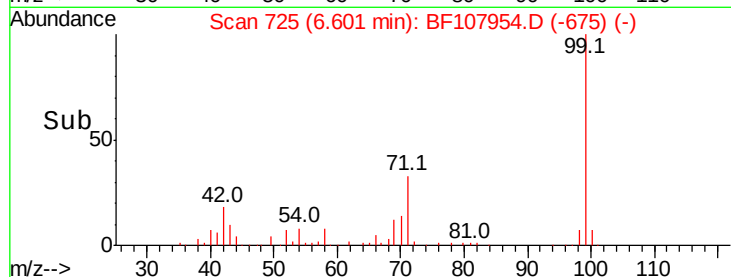
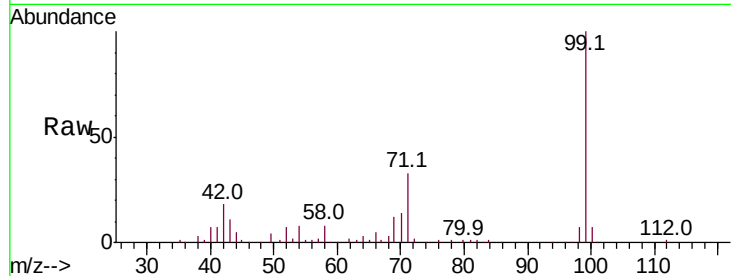
ClientSampled :

C-3

Tot Ion:	99	Resp:	602157
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	33.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM



#21

Naphthalene-d8

Concen: 20.000 ng

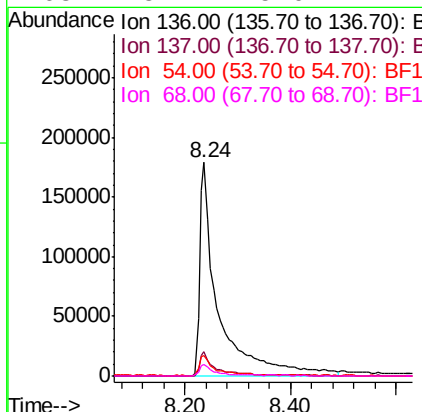
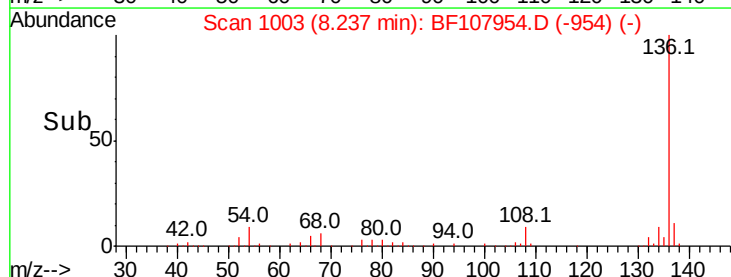
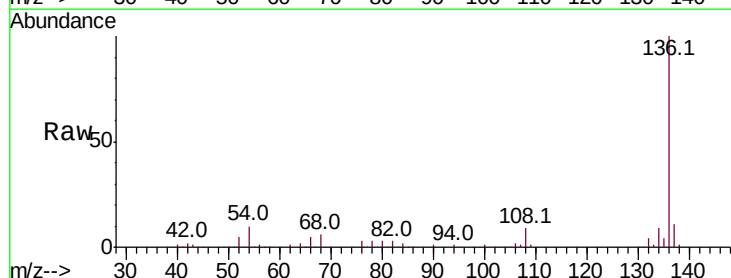
RT: 8.24 min Scan# 1003

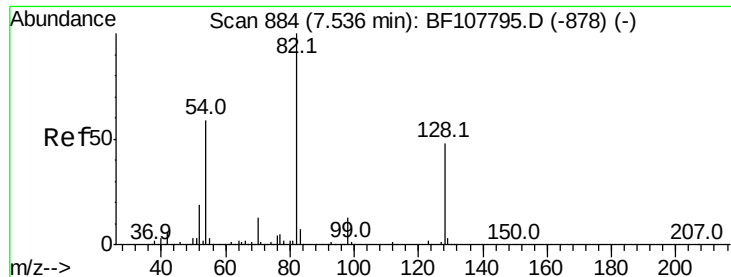
Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Tgt Ion:	136	Resp:	441828
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.5	6.6	9.8
68	5.7	5.0	7.4





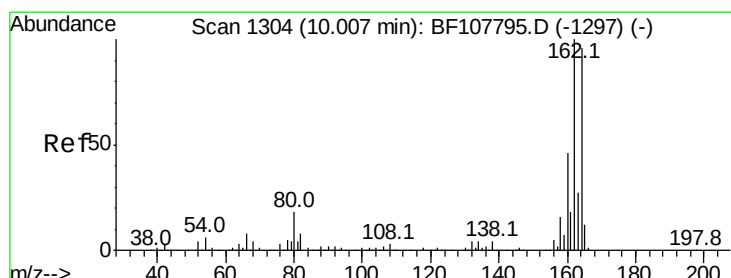
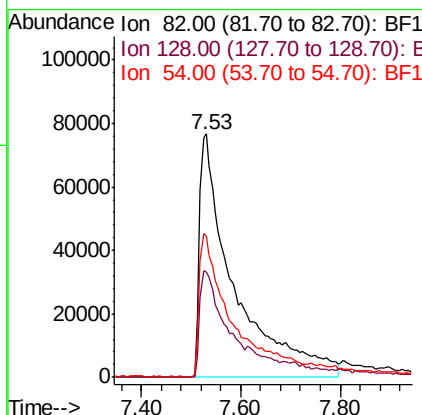
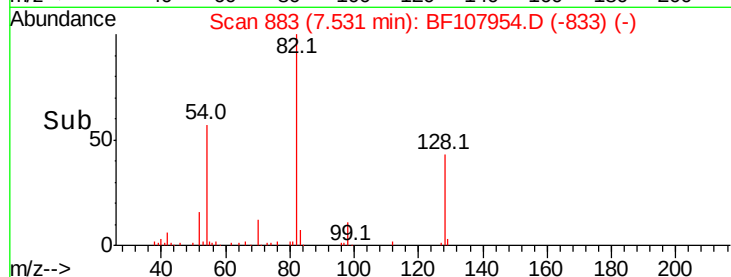
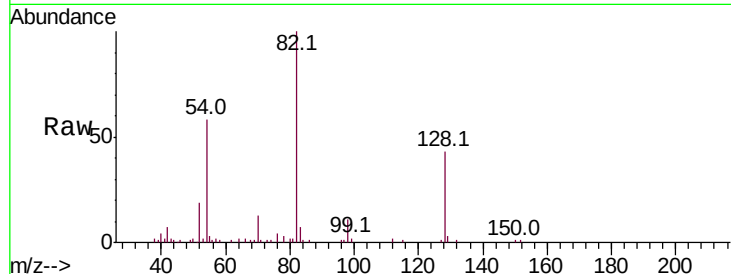
#23
 Nitrobenzene-d5
 Concen: 48.049 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Instrument :
 BNA_F
 ClientSampled :
 C-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	57.7	41.4	62.2

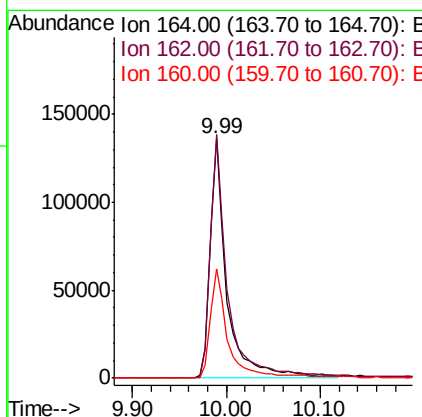
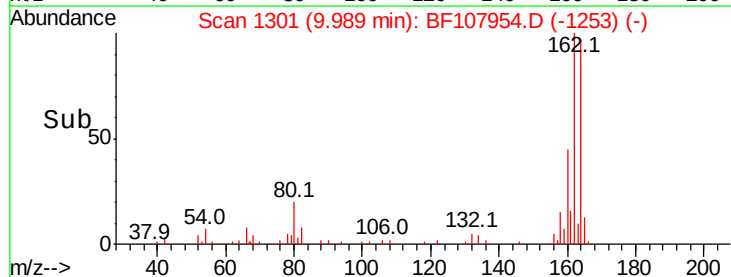
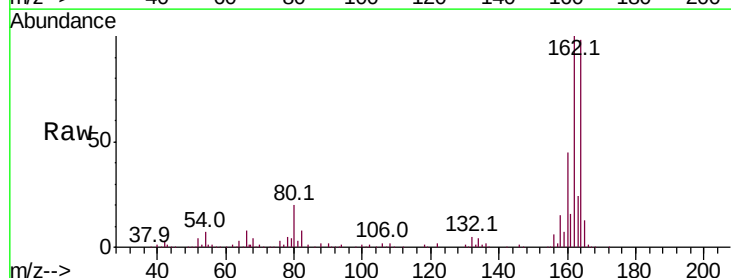
Manual Integrations
 APPROVED

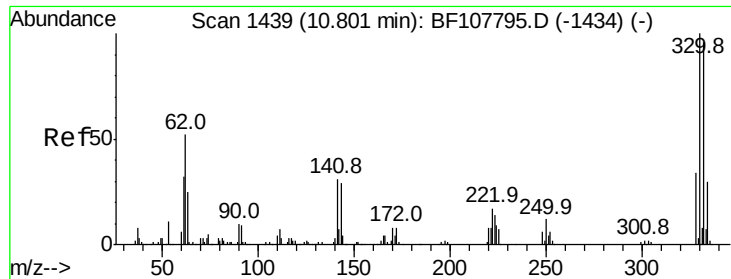
Sohil
 8/6/2018 5:05:50 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 54.690 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

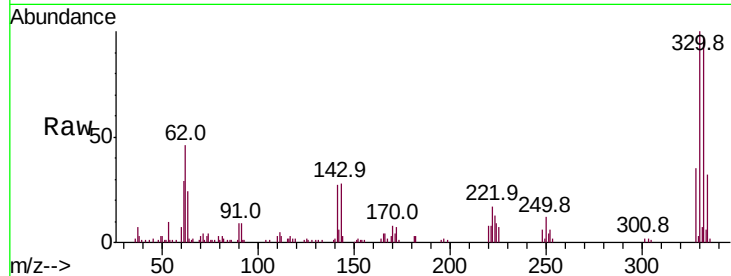
ClientSampled :

C-3

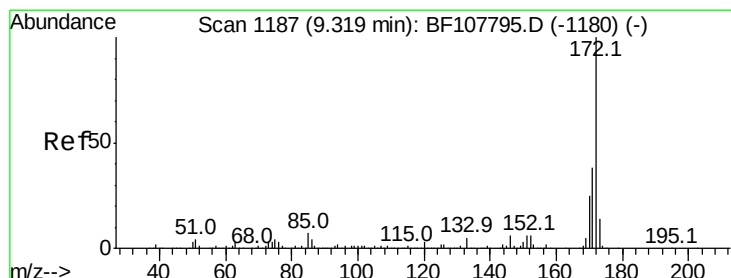
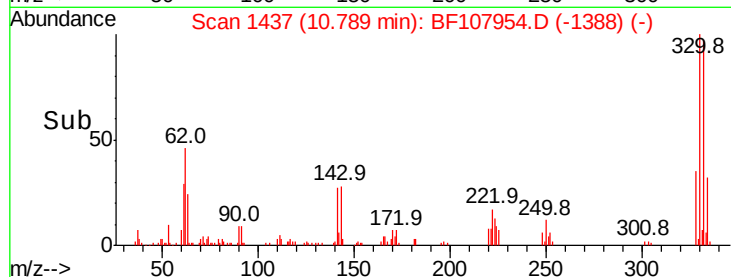
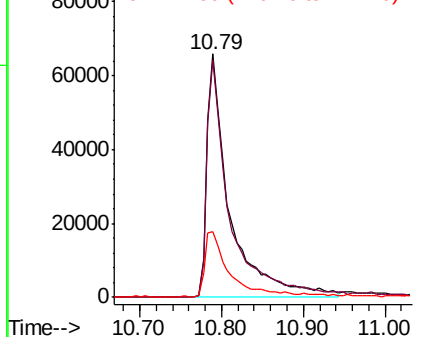
Tot Ion:	330	Resp:	128996
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.6
141	31.2	29.9	44.9

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM



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



#44

2-Fluorobiphenyl

Concen: 60.241 ng

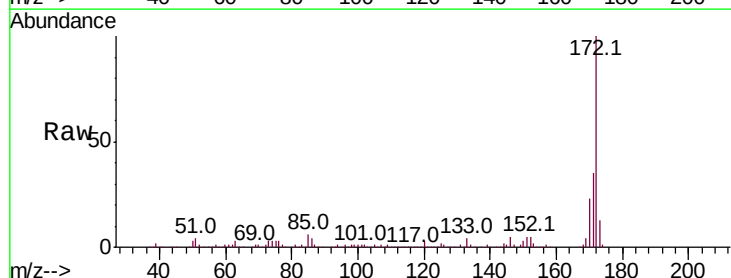
RT: 9.30 min Scan# 1184

Delta R.T. -0.02 min

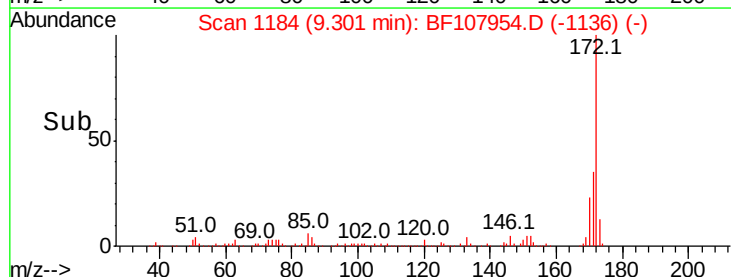
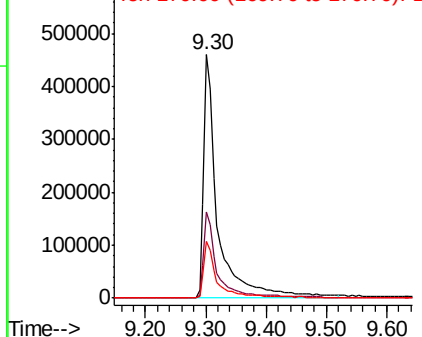
Lab File: BF107954.D

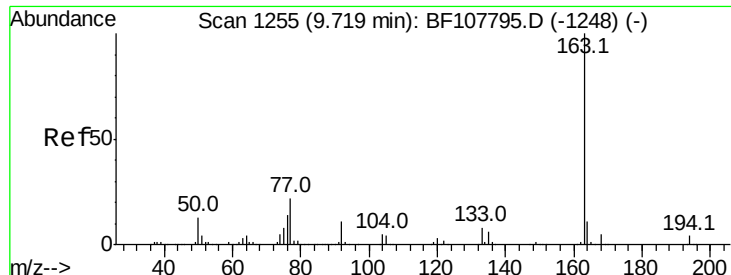
Acq: 3 Aug 2018 22:43

Tgt Ion:	172	Resp:	750411
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.3	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





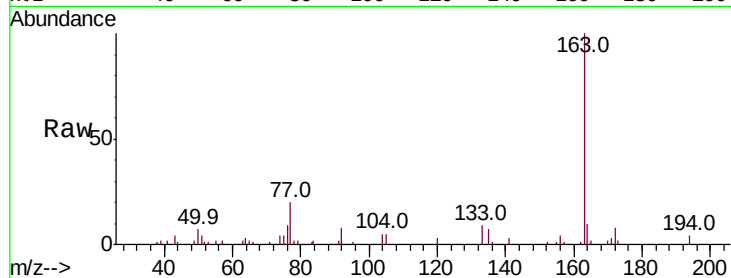
#49
Dimethylphthalate
Concen: 3.608 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :
C-3

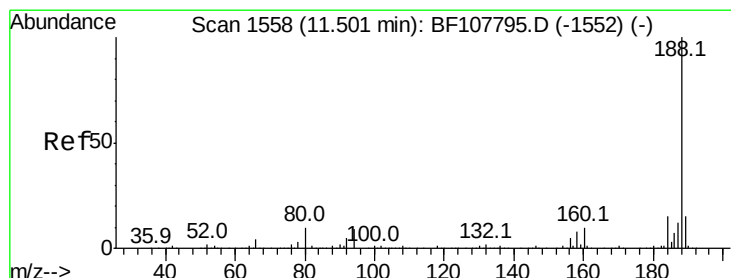
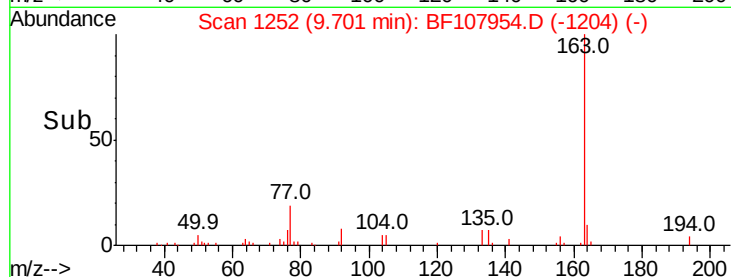
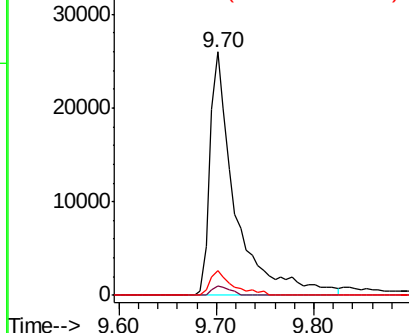
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM



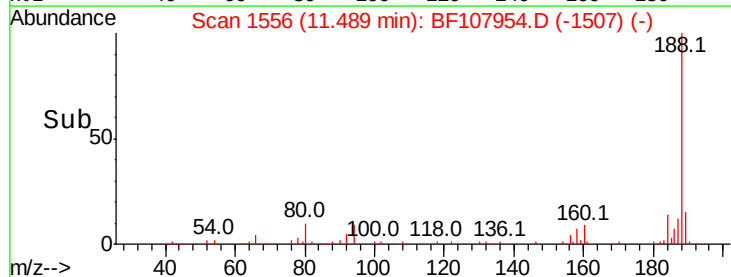
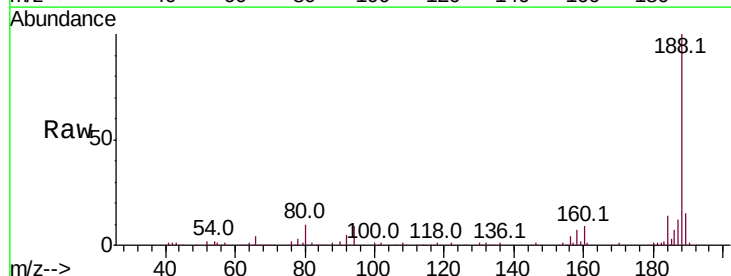
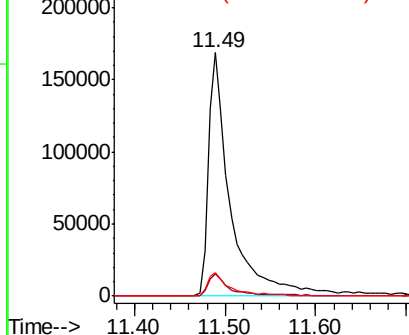
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

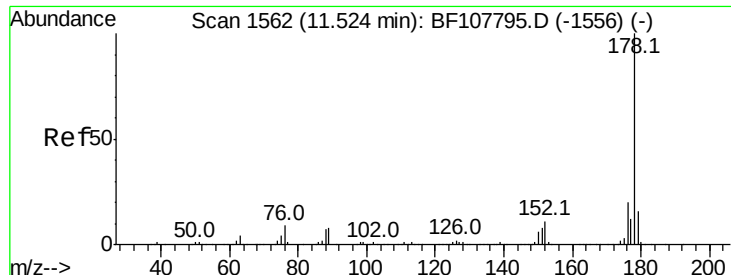


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





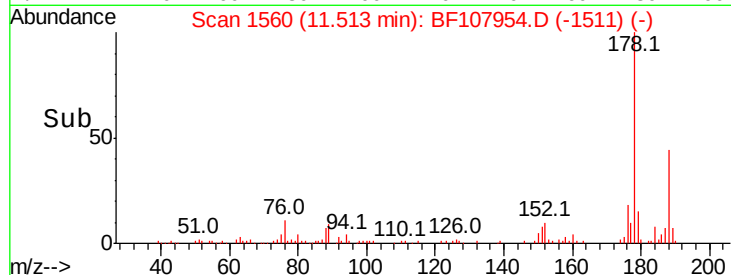
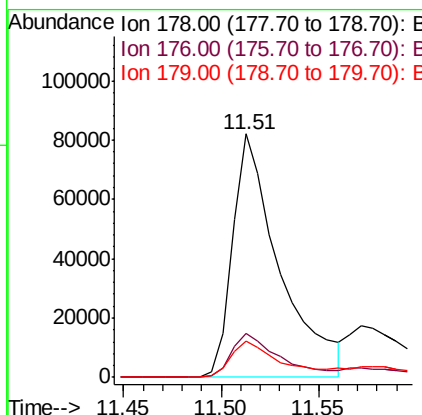
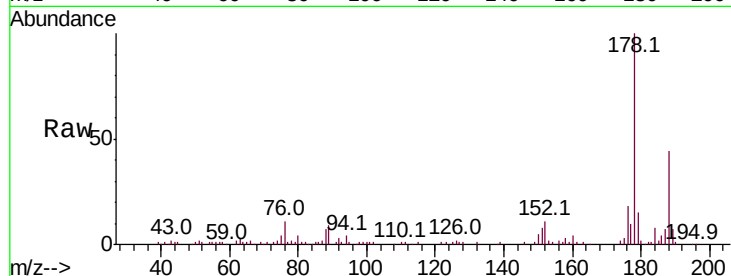
#70
Phenanthrene
Concen: 9.966 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampled :
C-3

Tot Ion	Ratio	Resp	Lower	Upper
178	100	136491		
176	18.0		15.8	23.8
179	15.0		13.0	19.6

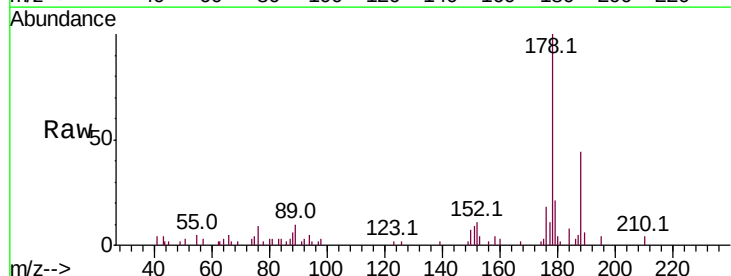
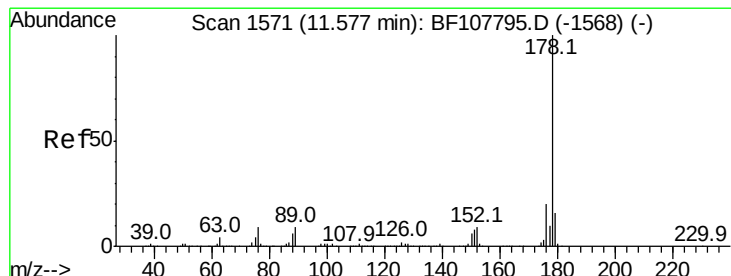
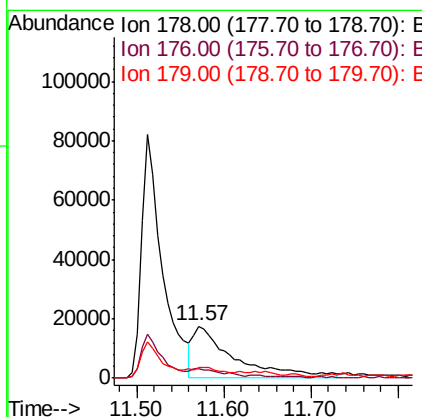
Manual Integrations
APPROVED

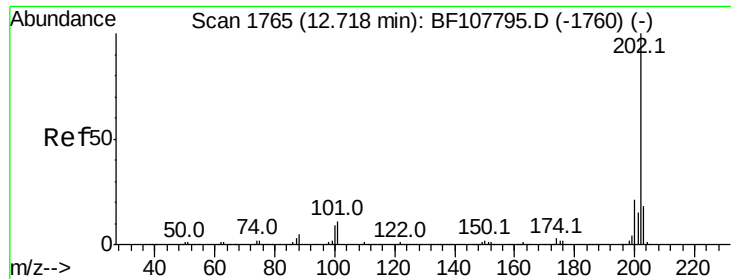
Sohil
8/6/2018 5:05:50 PM



#71
Anthracene
Concen: 3.683 ng m
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	58184		
176	18.2		15.4	23.2
179	21.0		12.6	19.0#





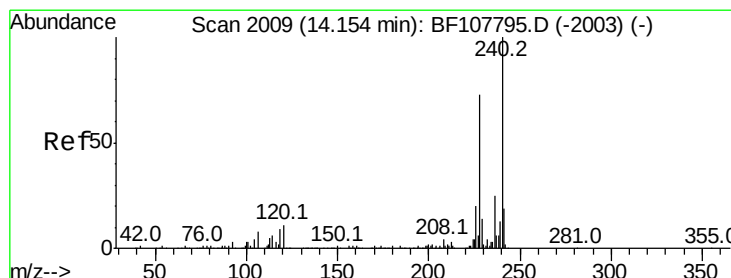
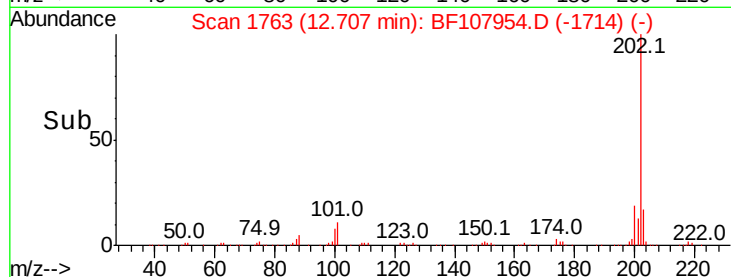
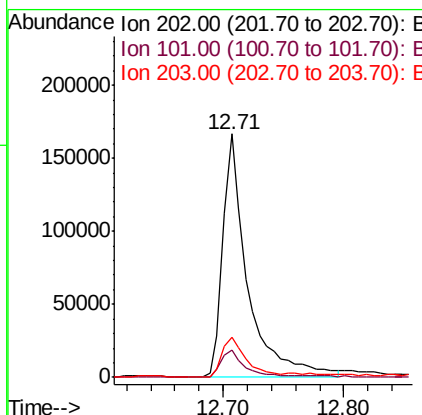
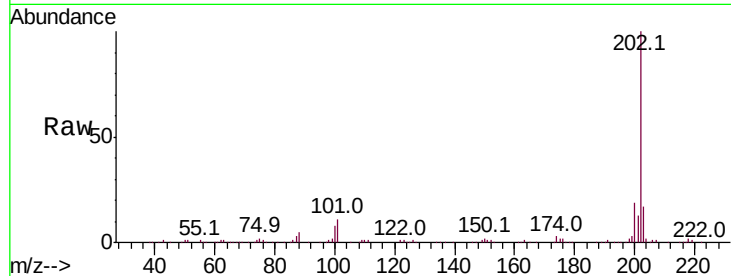
#74
 Fluoranthene
 Concen: 14.637 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	11.3	0.0	34.1	
203	16.6	0.0	38.1	

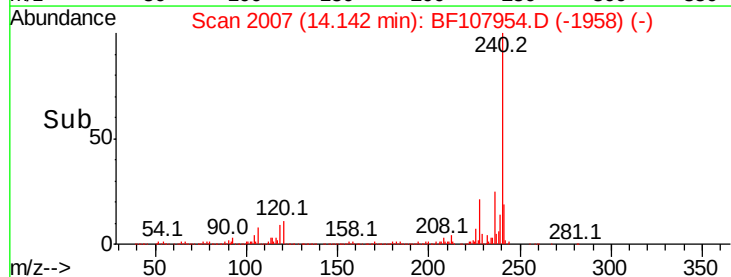
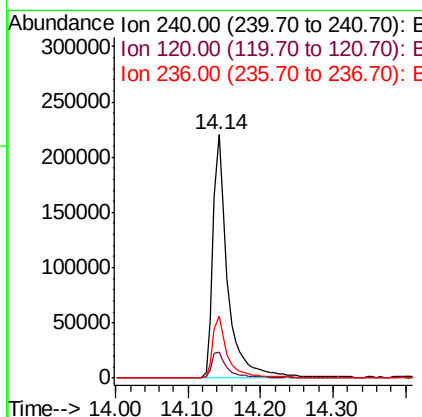
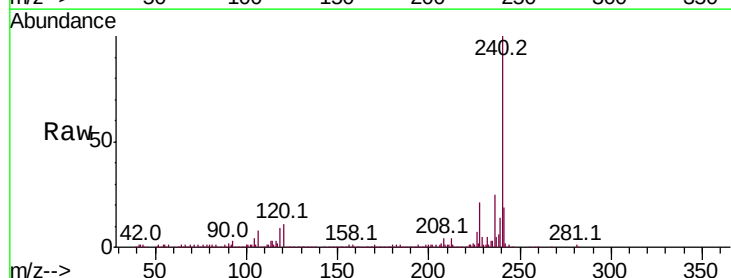
Manual Integrations
 APPROVED

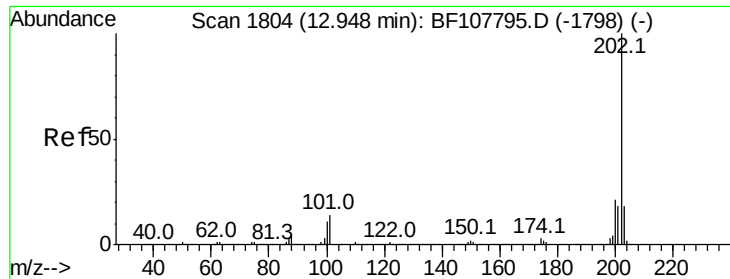
Sohil
 8/6/2018 5:05:50 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.7	9.5	14.3	
236	25.4	20.7	31.1	





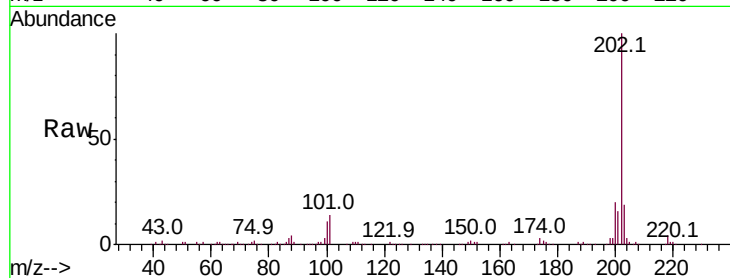
#77
Pvrene
Concen: 9.609 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :
C-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	17.4	26.2
203	19.2	14.3	21.5

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM

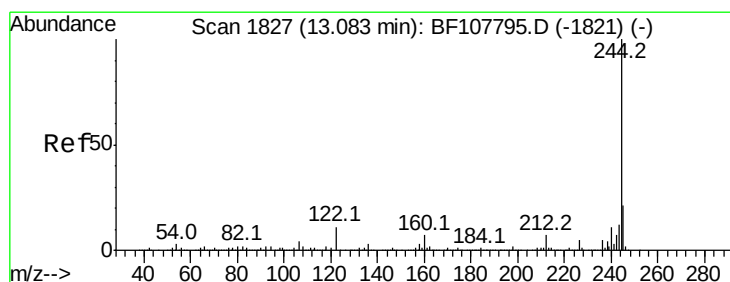
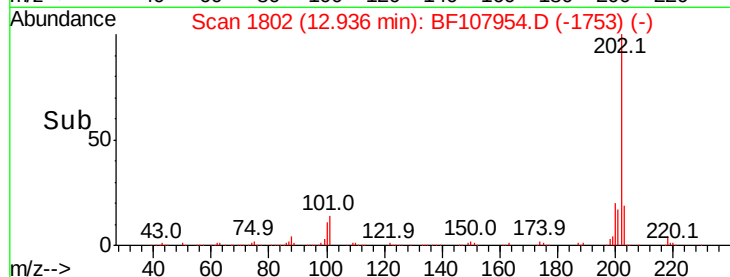
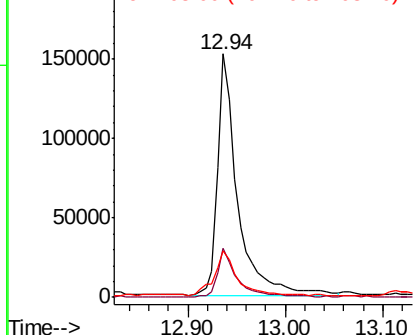


Abundance

Ion 202.00 (201.70 to 202.70): E

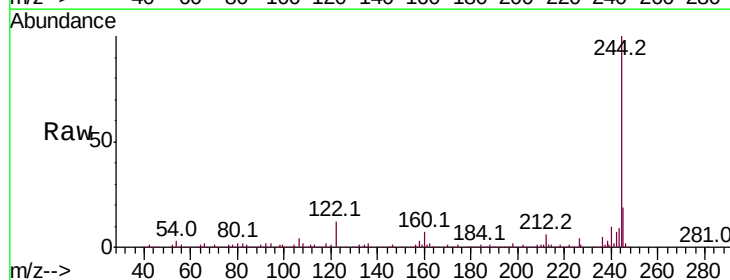
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 44.653 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.3	11.0	16.4

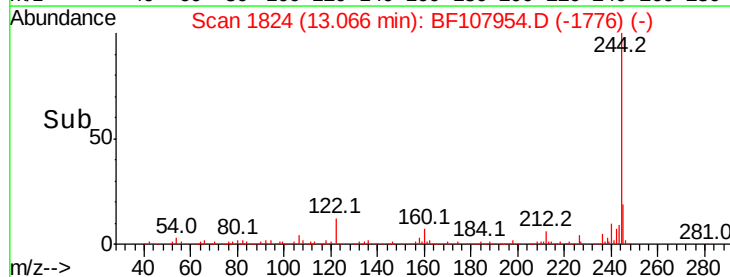
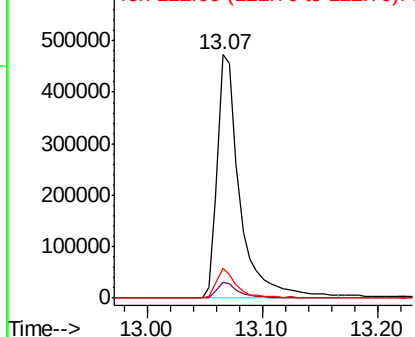


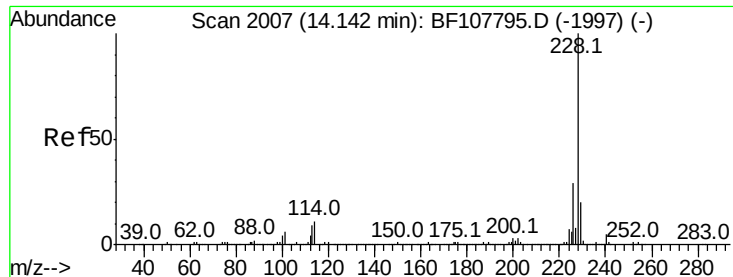
Abundance

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





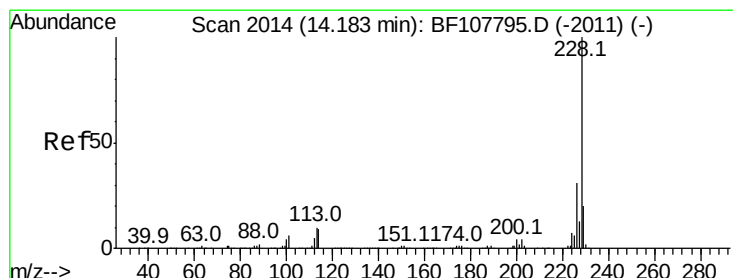
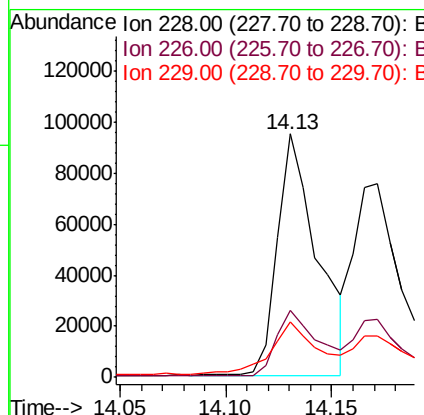
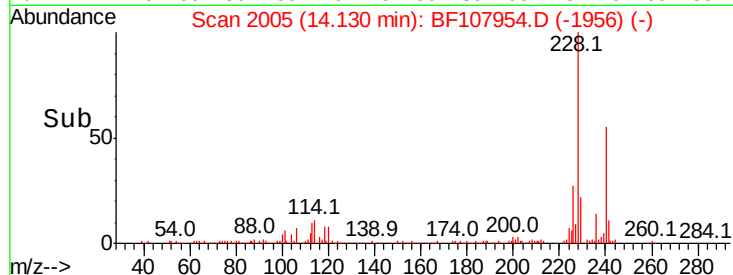
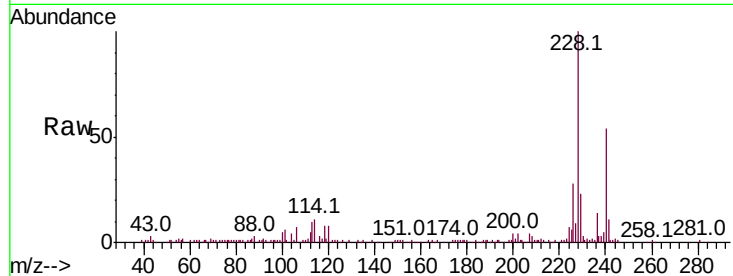
#80
Benzo(a)anthracene
Concen: 7.066 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :
C-3

Tot Ion:	228	Resp:	126255
Ion Ratio		Lower	Upper
228	100		
226	27.6	22.6	33.8
229	22.9	15.8	23.6

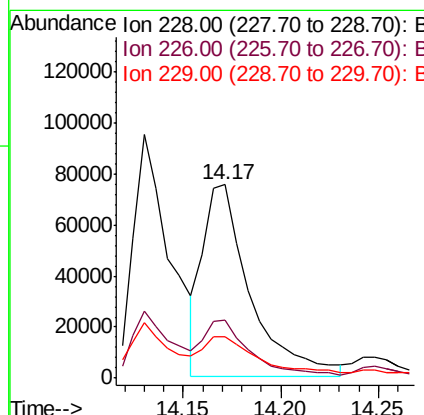
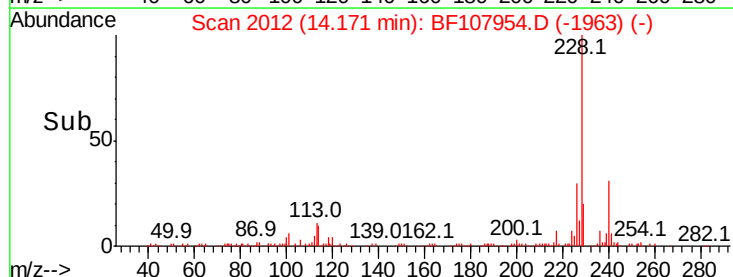
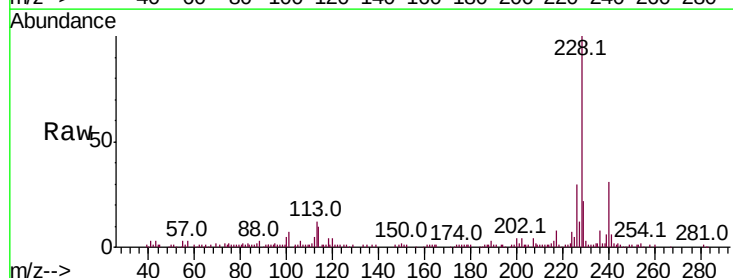
Manual Integrations
APPROVED

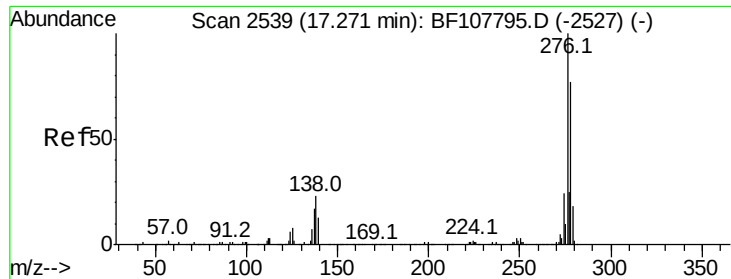
Sohil
8/6/2018 5:05:50 PM



#82
Chrysene
Concen: 6.574 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion:	228	Resp:	126689
Ion Ratio		Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.6	16.2	24.4





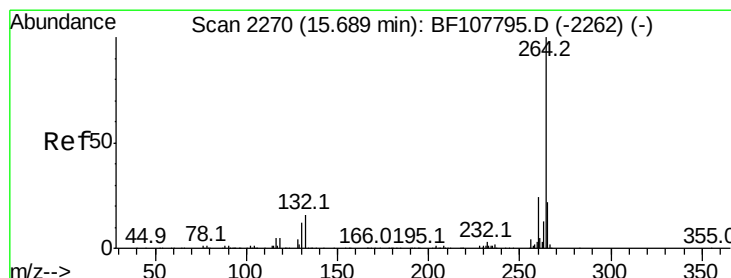
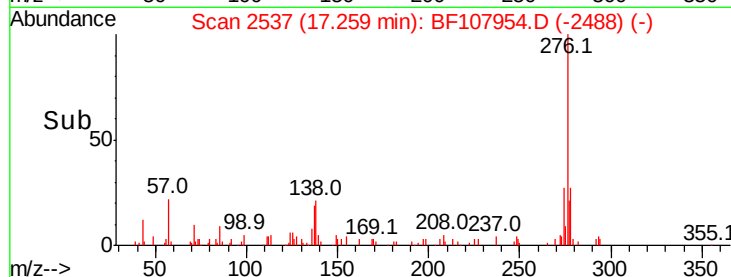
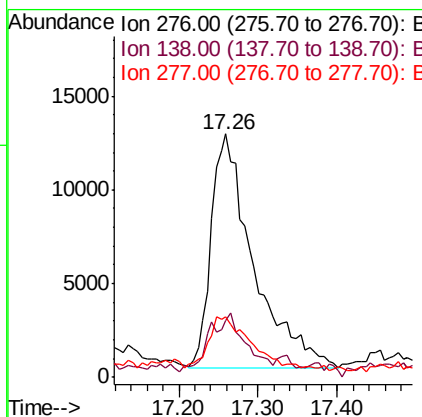
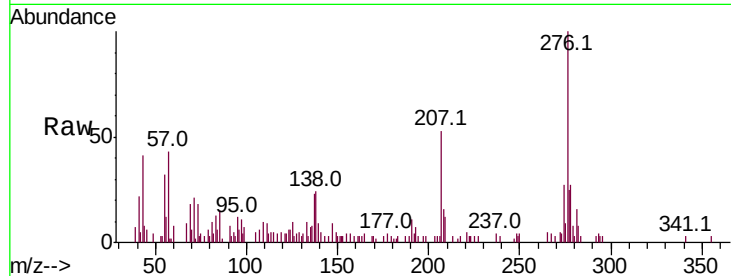
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.144 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :
C-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	25.0	37.6#
277	0.0	20.1	30.1#

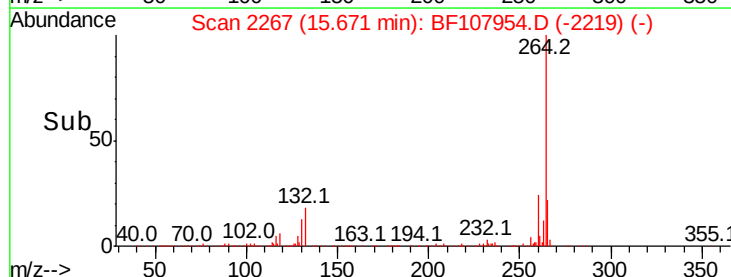
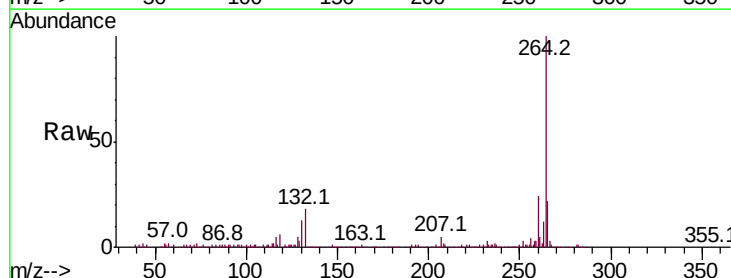
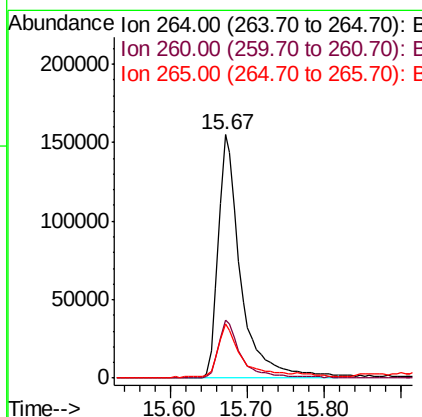
Manual Integrations
APPROVED

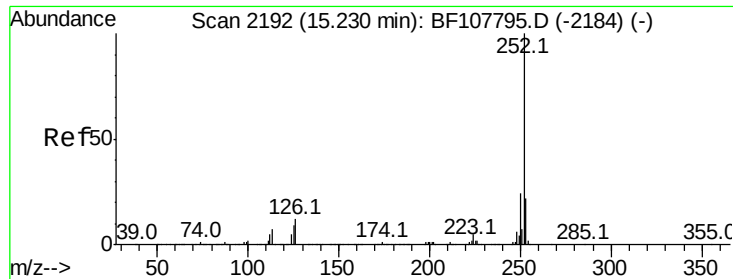
Sohil
8/6/2018 5:05:50 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

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





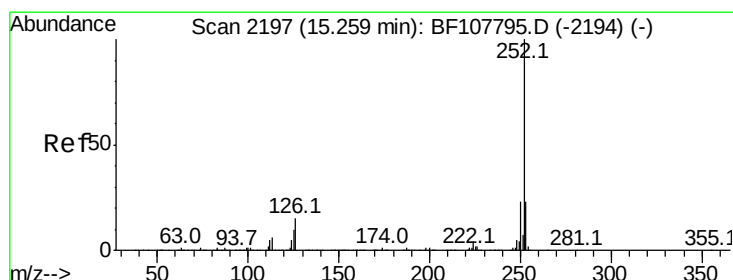
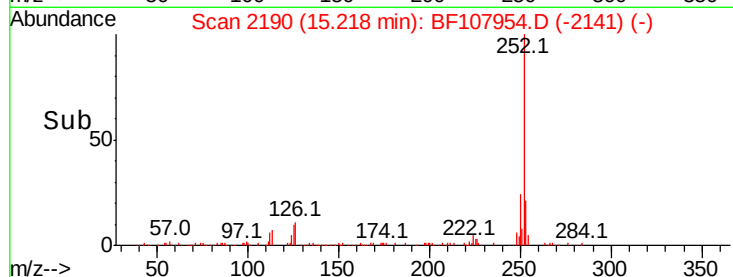
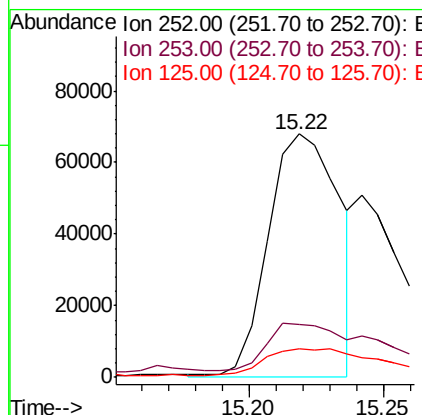
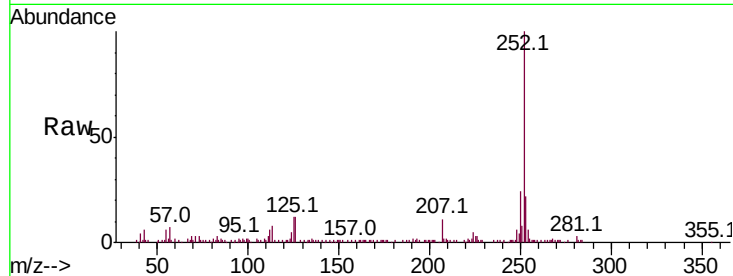
#87
Benzo(b)fluoranthene
Concen: 8.068 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampled :
C-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	11.5	9.0	13.6

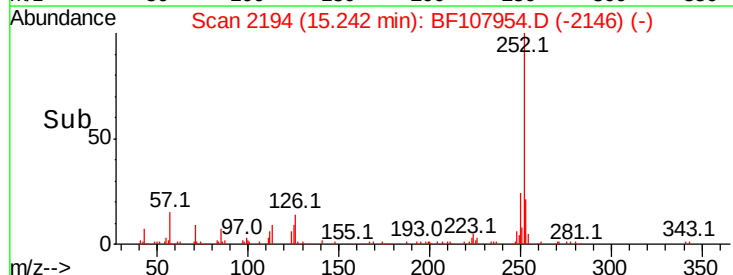
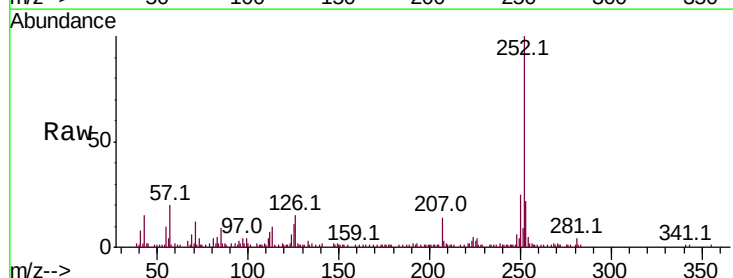
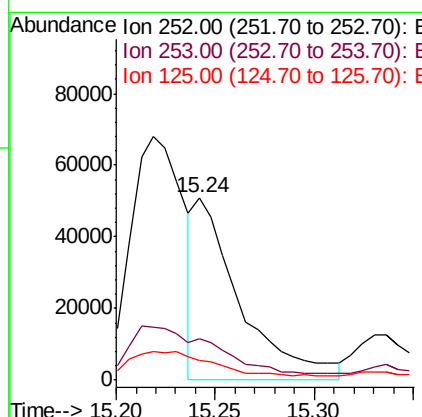
Manual Integrations
APPROVED

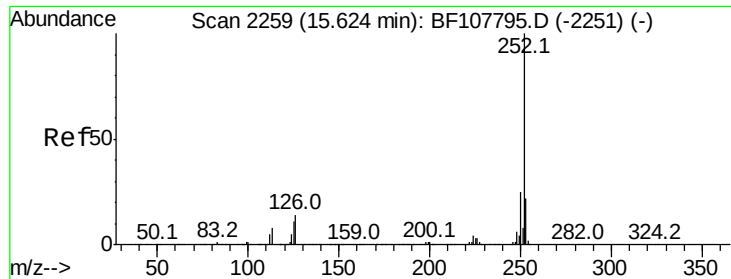
Sohil
8/6/2018 5:05:50 PM



#88
Benzo(k)fluoranthene
Concen: 4.305 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.9	10.2	15.2





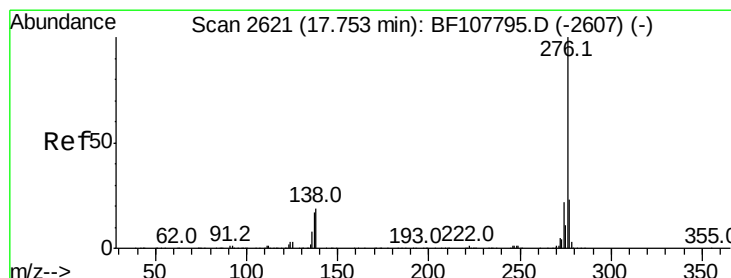
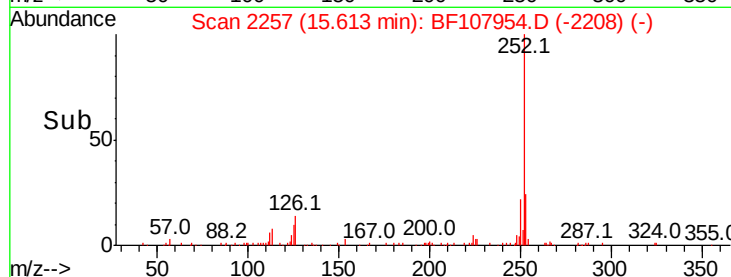
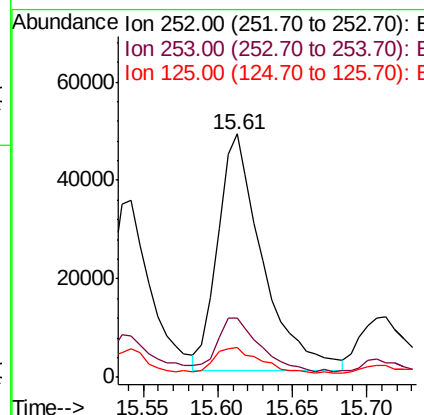
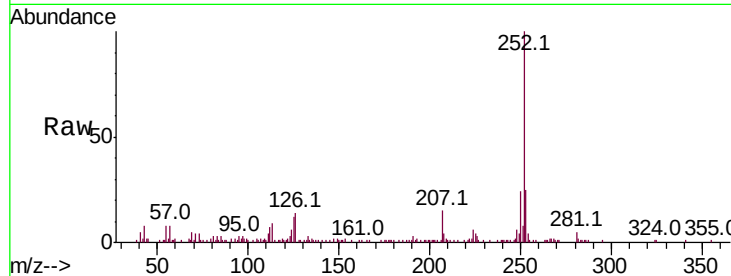
#89
Benzo(a)pyrene
Concen: 6.278 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampled :
C-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	12.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
8/6/2018 5:05:50 PM



#91
Benzo(g,h,i)perylene
Concen: 3.228 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	23.3	21.8	32.8

