

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108141.D
 Acq On : 14 Aug 2018 13:39
 Operator : JU/SJ
 Sample : J4460-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-SW-003

Manual Integrations
 APPROVED

Sohil
 8/15/2018 3:38:30 PM

Quant Time: Aug 14 17:10:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	170096	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	580742	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	235807	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	427801	20.00	ng	0.00
75) Chrysene-d12	14.22	240	399271	20.00	ng	0.00
86) Perylene-d12	15.79	264	272948	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	224729	23.92	ng	0.00
7) Phenol-d6	6.62	99	294941	23.62	ng	0.00
23) Nitrobenzene-d5	7.57	82	181060	17.40	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	48745	20.72	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	282238	19.22	ng	0.00
78) Terphenyl-d14	13.15	244	271429	17.28	ng	0.00
Target Compounds						
51) Acenaphthene	10.10	154	34816	2.617	ng	Qvalue 93
57) Fluorene	10.62	166	40561	2.658	ng	# 91
70) Phenanthrene	11.59	178	171439	8.496	ng	96
71) Anthracene	11.64	178	49993	2.417	ng	# 95
73) Di-n-butylphthalate	12.11	149	200574	9.637	ng	99
74) Fluoranthene	12.78	202	294169	13.358	ng	95
77) Pyrene	13.02	202	411135	16.265	ng	98
80) Benzo(a)anthracene	14.21	228	199219	8.694	ng	# 84
82) Chrysene	14.25	228	224163	10.671	ng	# 86
85) Indeno(1,2,3-cd)pyrene	17.41	276	39409	2.165	ng	# 90
87) Benzo(b)fluoranthene	15.32	252	135207m	8.290	ng	
88) Benzo(k)fluoranthene	15.35	252	53275m	3.553	ng	
89) Benzo(a)pyrene	15.72	252	97636	6.685	ng	# 85
91) Benzo(a,h,i)perylene	17.91	276	44326	3.725	ng	# 94

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

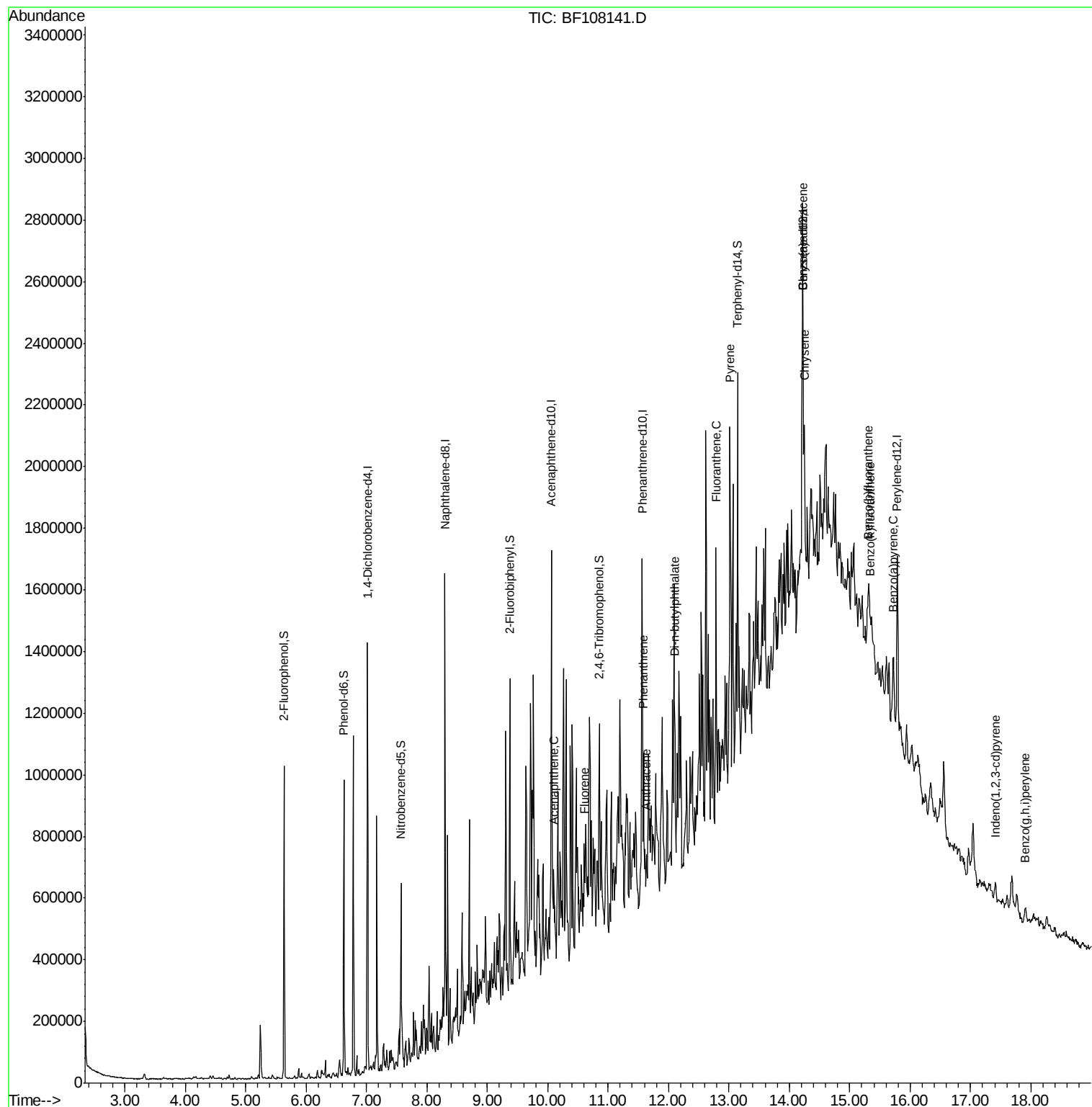
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108141.D
Acq On : 14 Aug 2018 13:39
Operator : JU/SJ
Sample : J4460-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

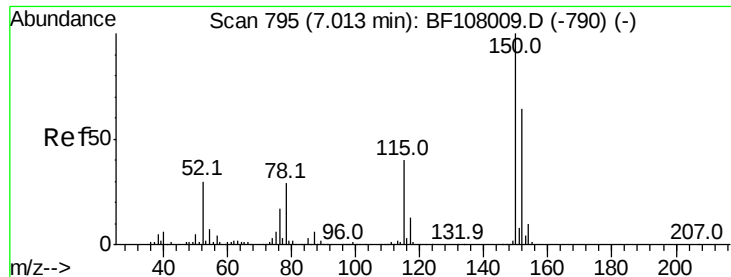
Instrument :
BNA_F
ClientSampleId :
RA-081018-SW-003

Quant Time: Aug 14 17:10:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM





#1

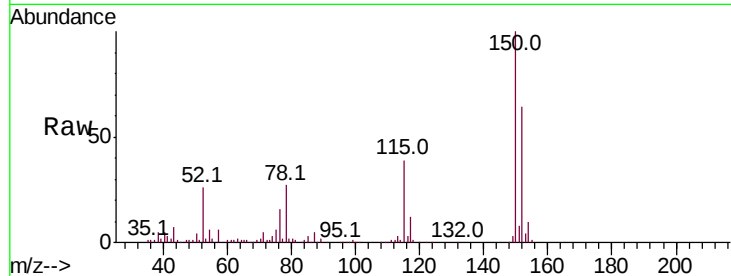
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

Instrument :
BNA_F
ClientSampleId :
RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.8	50.1	75.1

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM

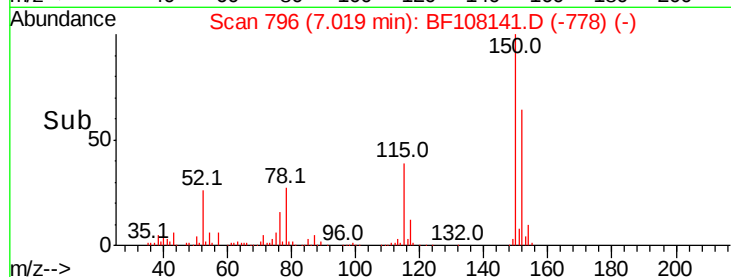
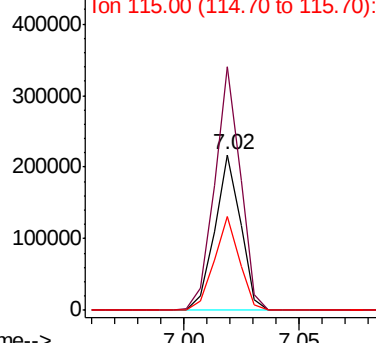


Abundance

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: 23.920 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

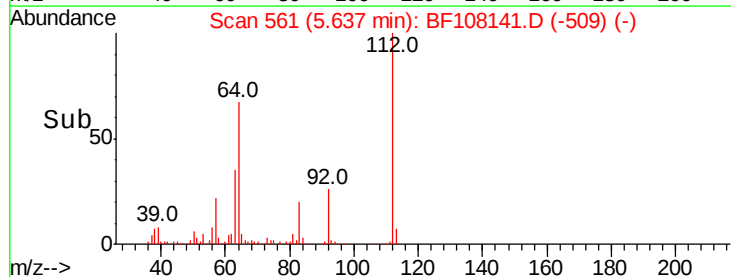
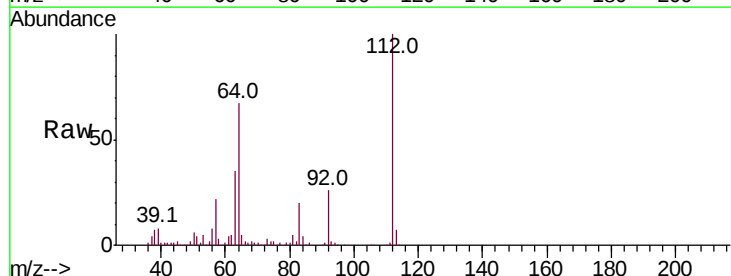
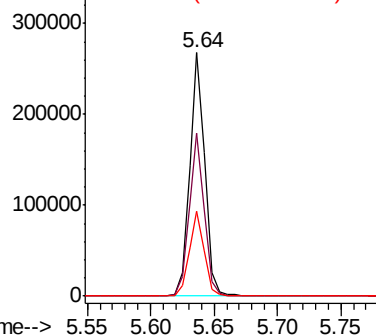
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	47.9	71.9
63	34.8	23.7	35.5

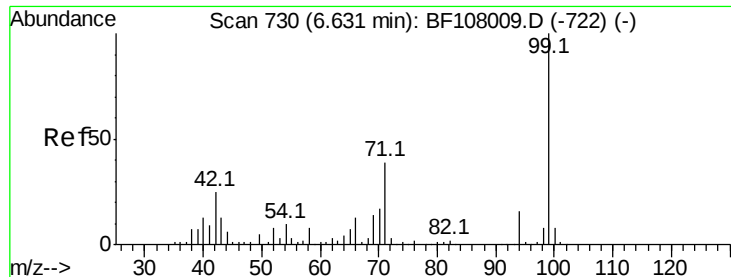
Abundance

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: 23.624 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

ClientSampleId :

RA-081018-SW-003

Tot Ion: 99 Resp: 294941

Ion Ratio Lower Upper

99 100

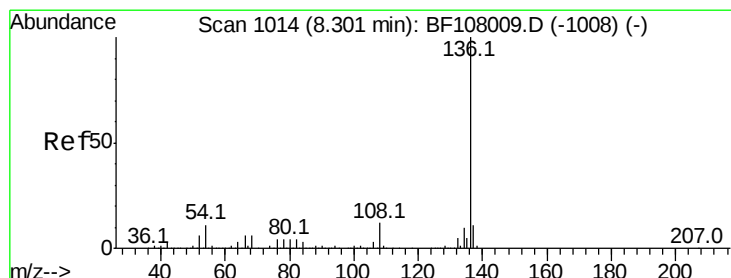
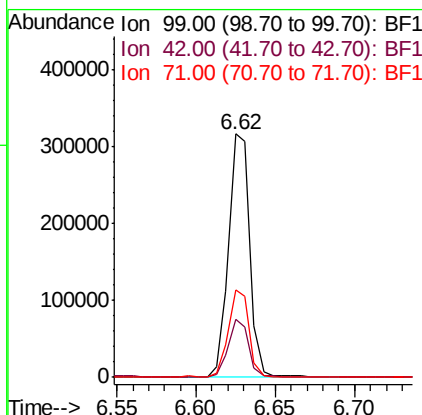
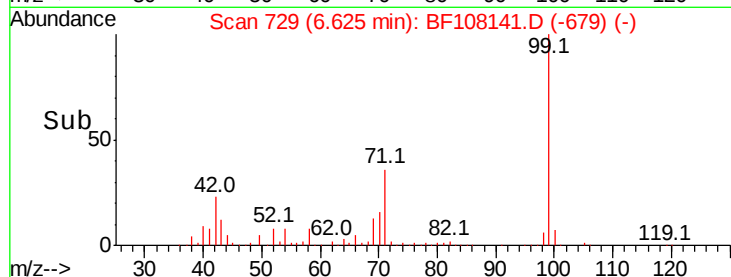
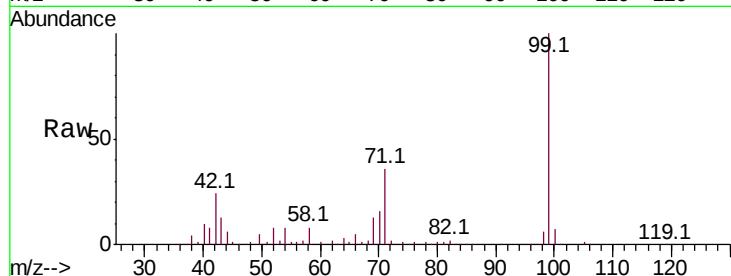
42 23.6 14.5 21.7#

71 35.9 25.4 38.0

Manual Integrations
APPROVED

Sohil

8/15/2018 3:38:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion: 136 Resp: 580742

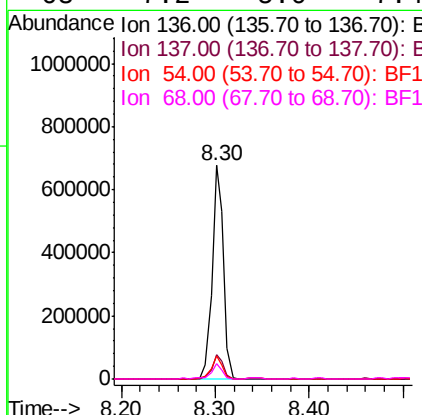
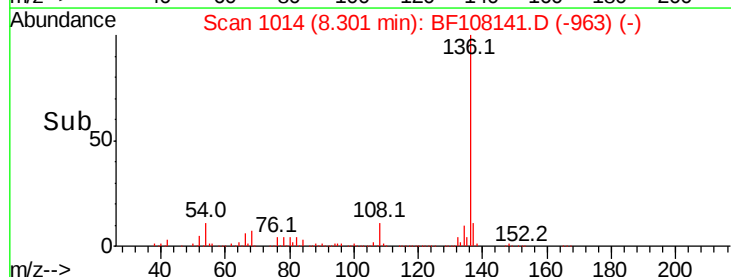
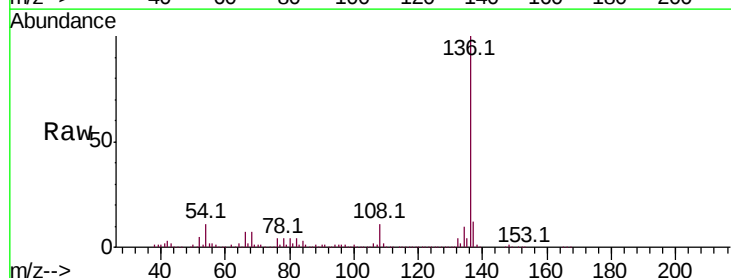
Ion Ratio Lower Upper

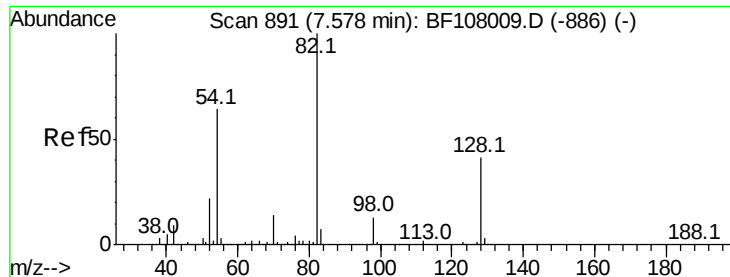
136 100

137 11.6 8.9 13.3

54 10.9 6.6 9.8#

68 7.2 5.0 7.4





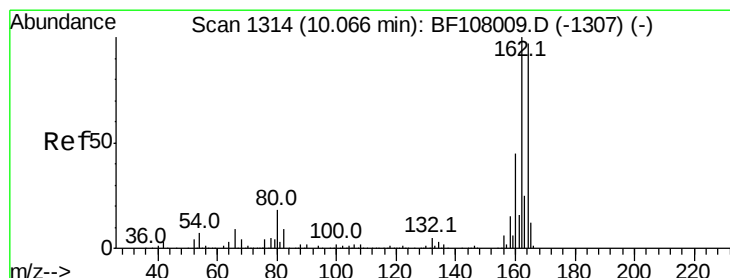
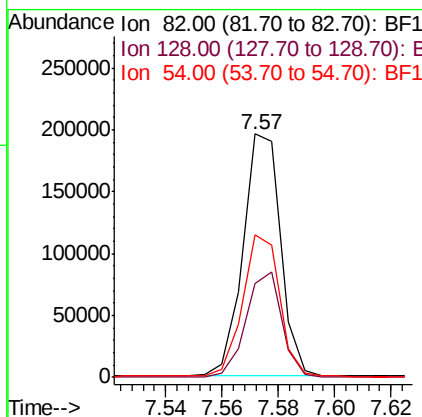
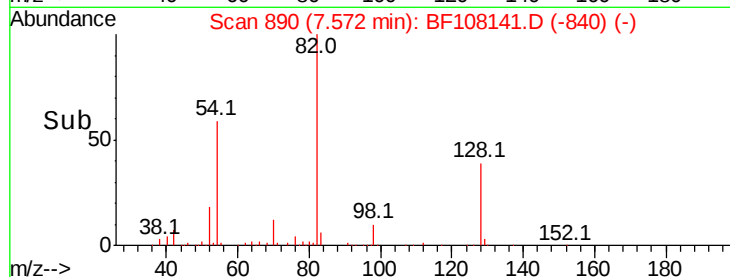
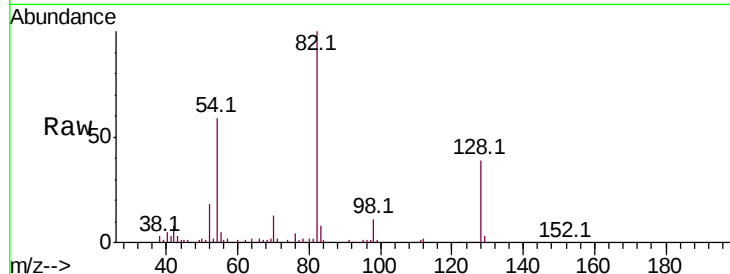
#23
 Nitrobenzene-d5
 Concen: 17.397 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	36.1	54.1
54	58.7	41.4	62.2

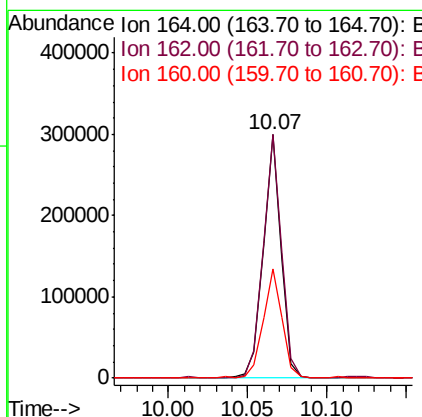
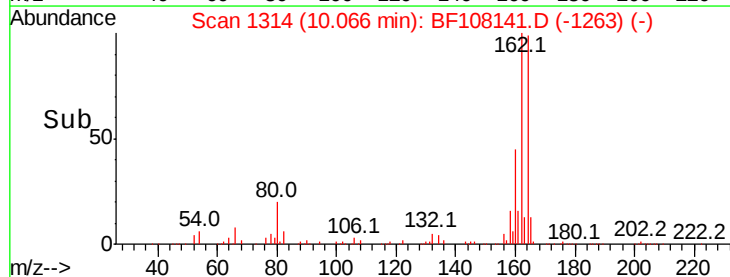
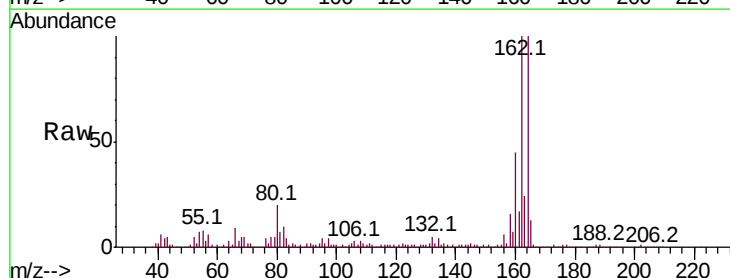
Manual Integrations
 APPROVED

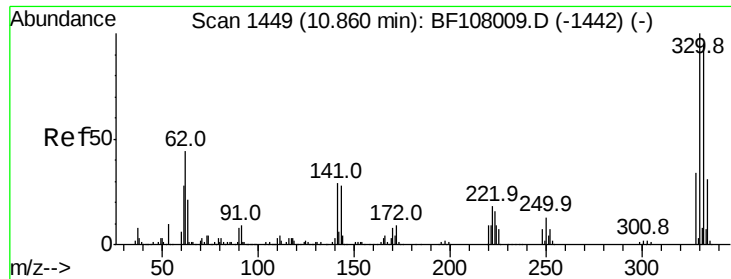
Sohil
 8/15/2018 3:38:30 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	86.1	129.1
160	45.1	38.3	57.5





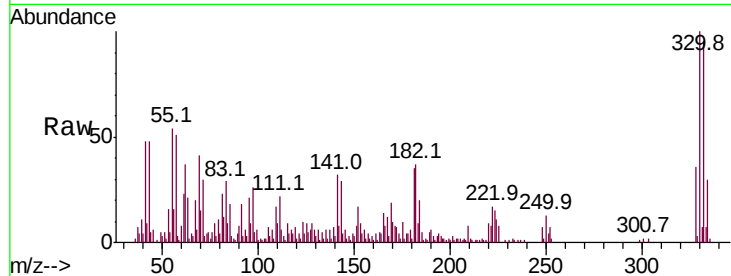
#41
 2,4,6-Tribromophenol
 Concen: 20.724 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-SW-003

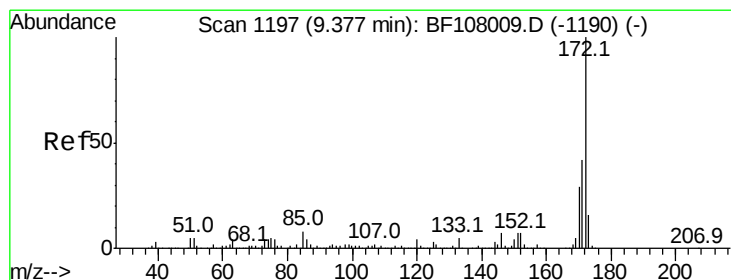
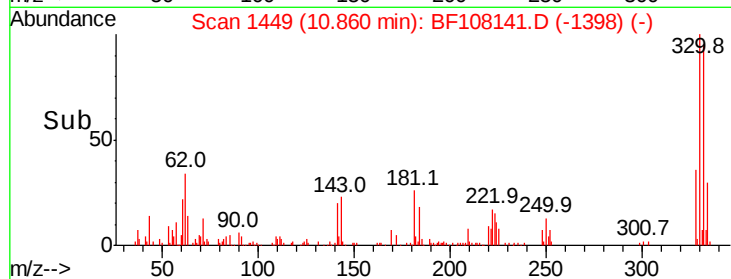
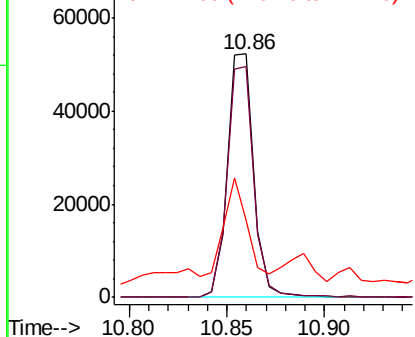
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.0	115.6	
141	34.1	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 8/15/2018 3:38:30 PM

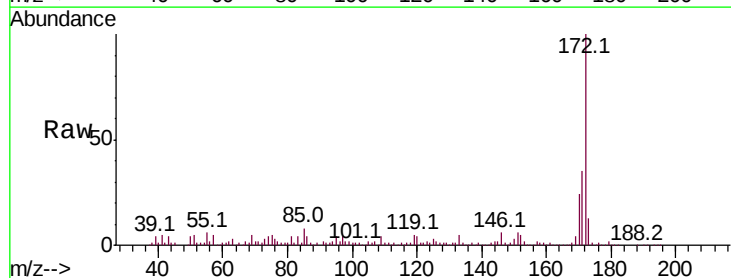


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

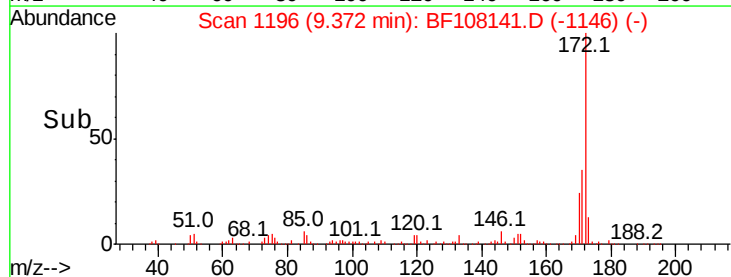
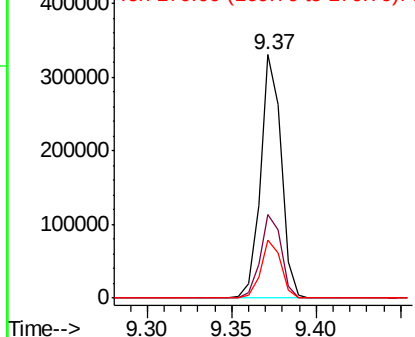


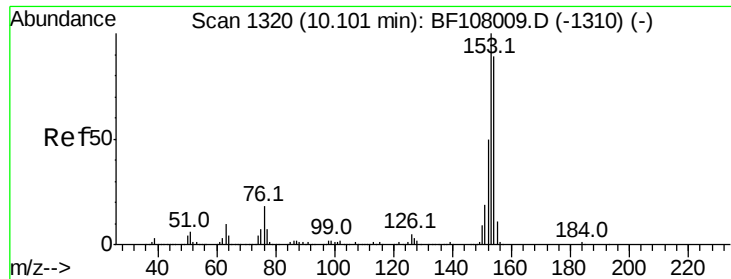
#44
 2-Fluorobiphenyl
 Concen: 19.216 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6	29.7	44.5	
170	23.6	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





#51

Acenaphthene

Concen: 2.617 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

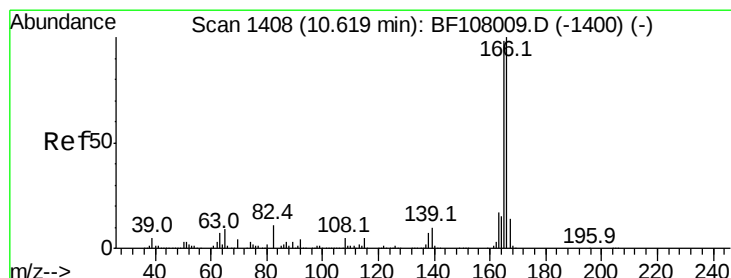
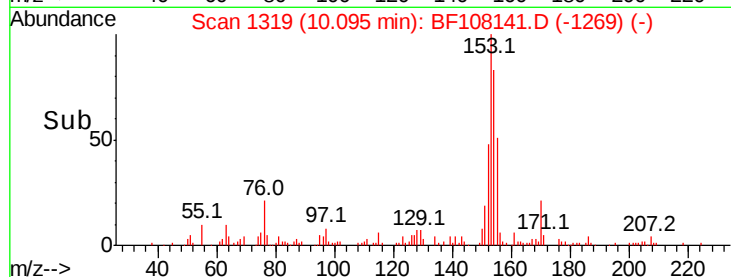
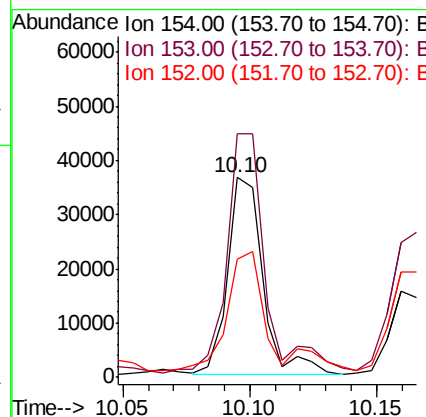
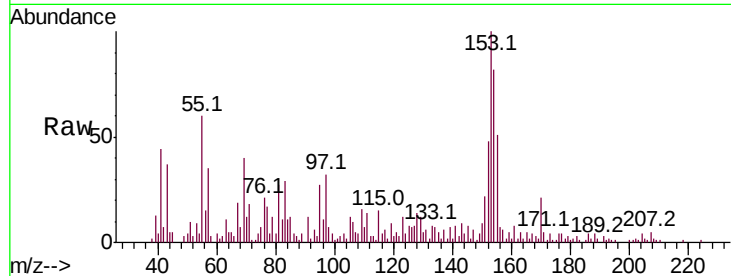
ClientSampleId :

RA-081018-SW-003

Tot Ion:	154	Resp:	34816
Ion Ratio	Lower	Upper	
154	100		
153	121.8	91.2	136.8
152	59.0	43.8	65.8

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#57

Fluorene

Concen: 2.658 ng

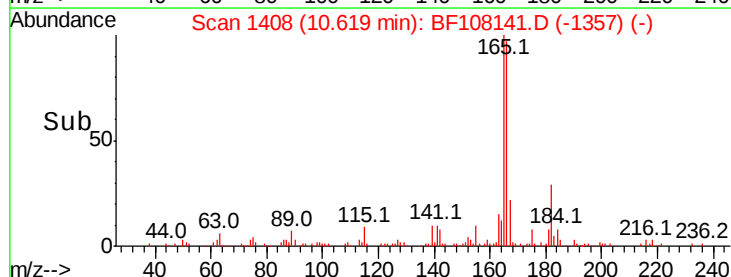
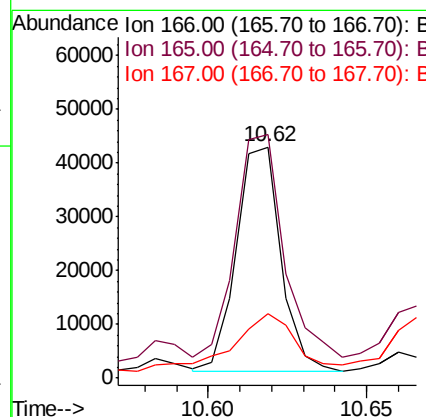
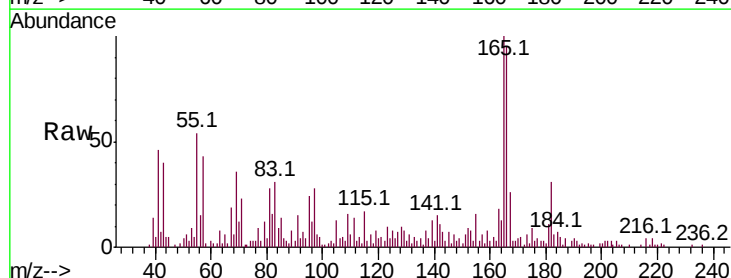
RT: 10.62 min Scan# 1408

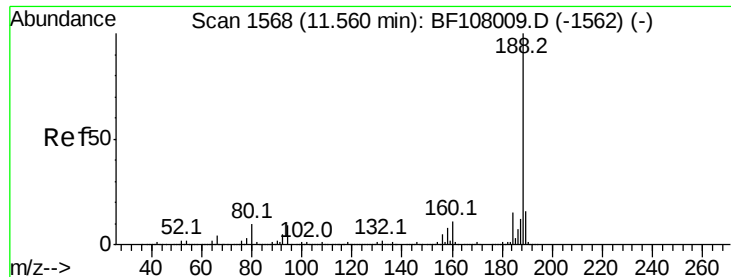
Delta R.T. 0.00 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion:	166	Resp:	40561
Ion Ratio	Lower	Upper	
166	100		
165	105.5	79.8	119.8
167	27.7	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.57 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

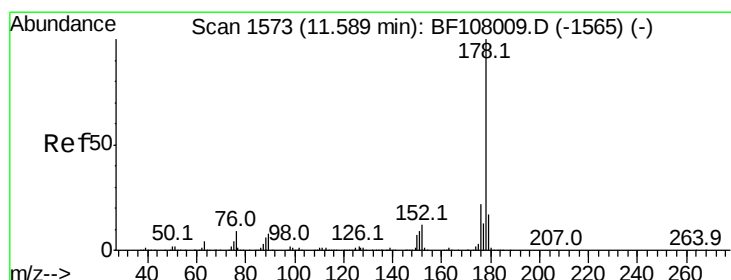
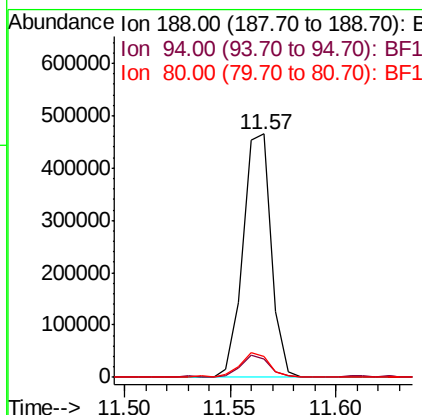
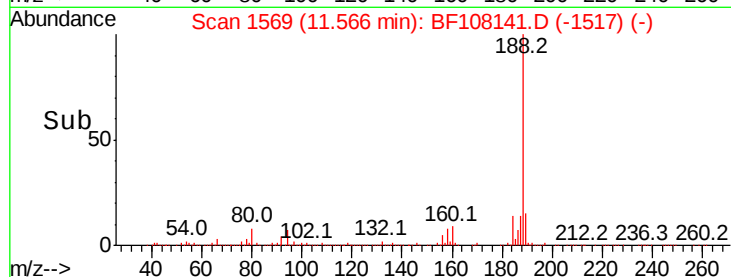
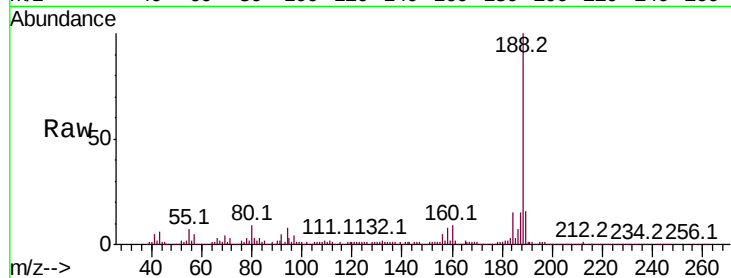
ClientSampleId :

RA-081018-SW-003

Tot Ion:	188	Resp:	427801
Ion Ratio	Lower	Upper	
188	100		
94	7.7	8.5	12.7#
80	8.7	9.2	13.8#

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#70

Phenanthrene

Concen: 8.496 ng

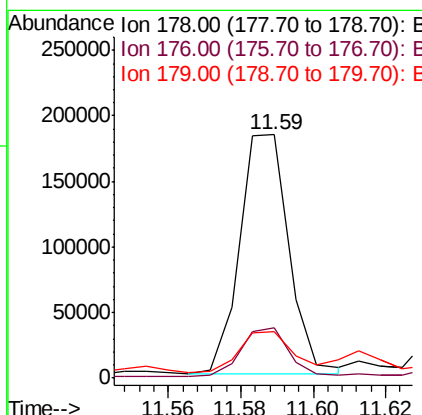
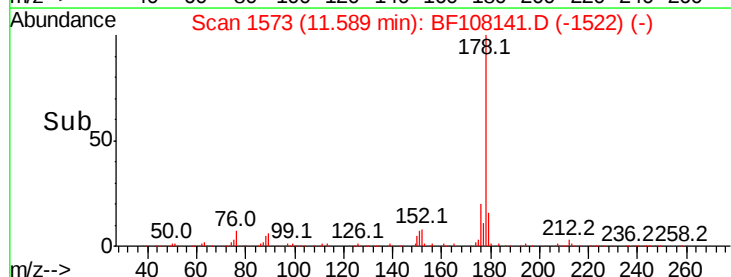
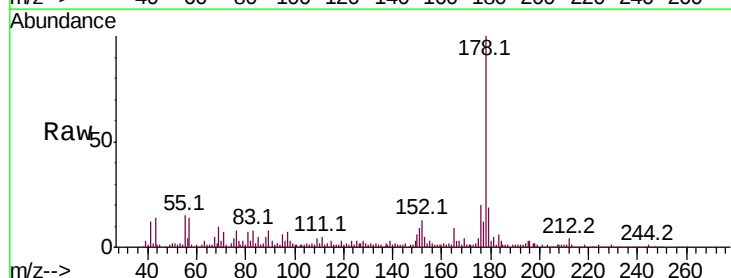
RT: 11.59 min Scan# 1573

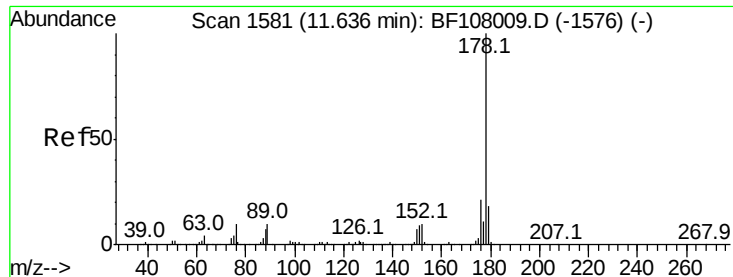
Delta R.T. 0.00 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion:	178	Resp:	171439
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.8	23.8
179	19.0	13.0	19.6





#71

Anthracene

Concen: 2.417 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

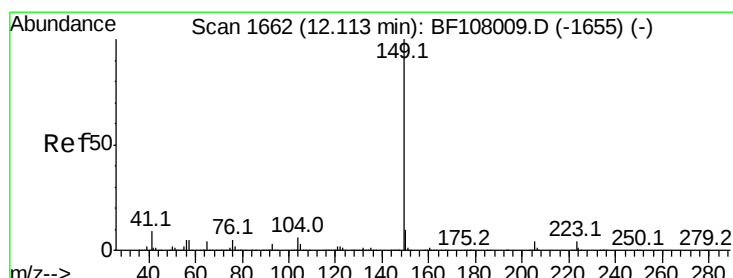
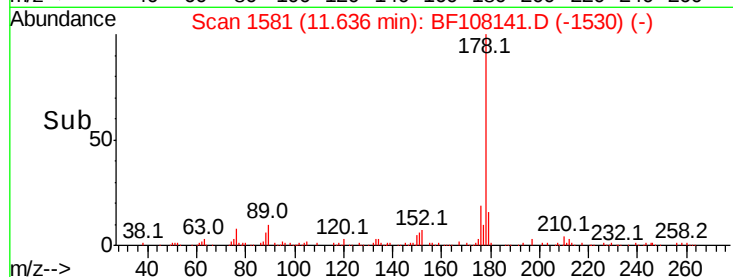
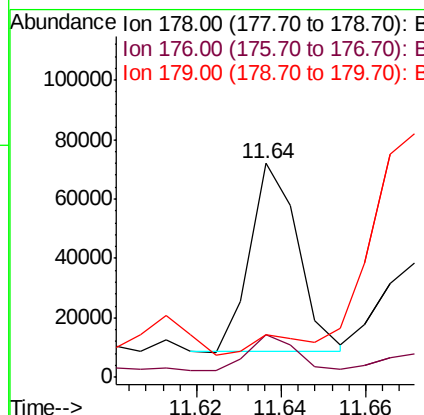
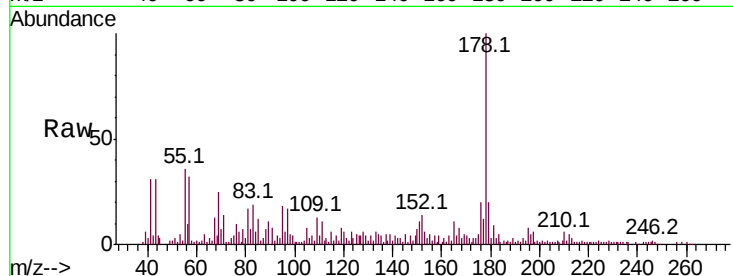
ClientSampleId :

RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	19.8	12.6	19.0

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#73

Di-n-butylphthalate

Concen: 9.637 ng

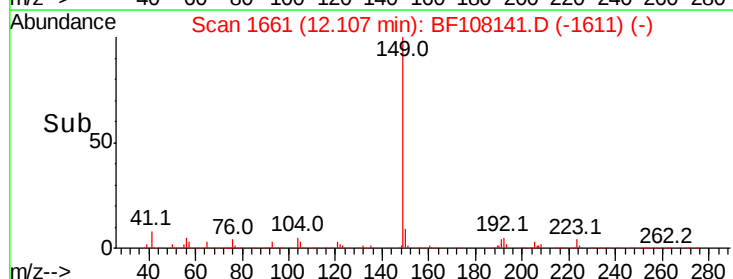
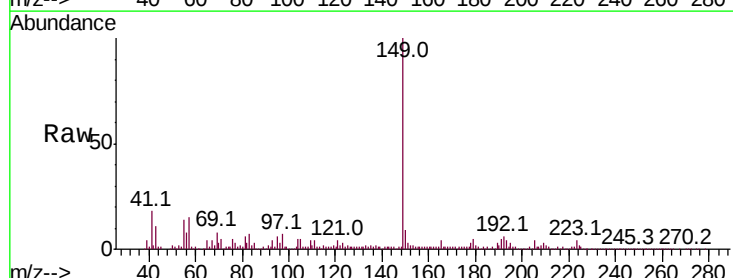
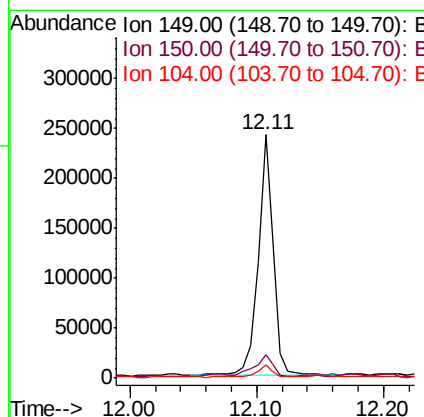
RT: 12.11 min Scan# 1661

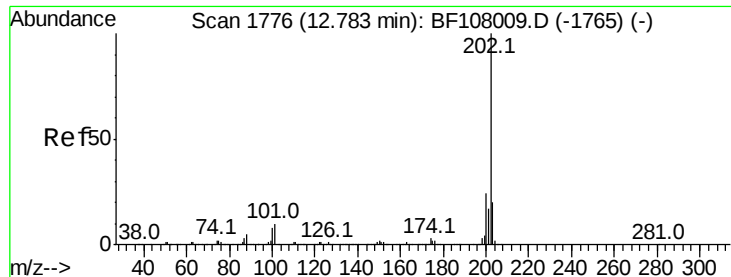
Delta R.T. -0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	5.3	3.8	5.8





#74

Fluoranthene

Concen: 13.358 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

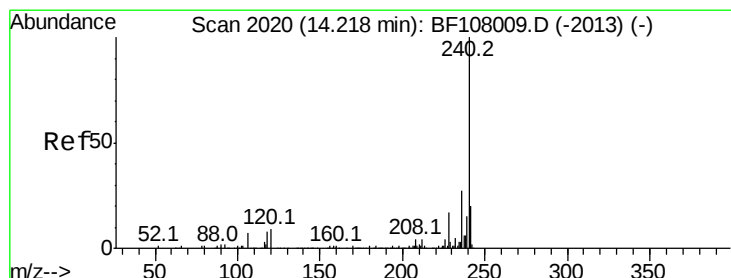
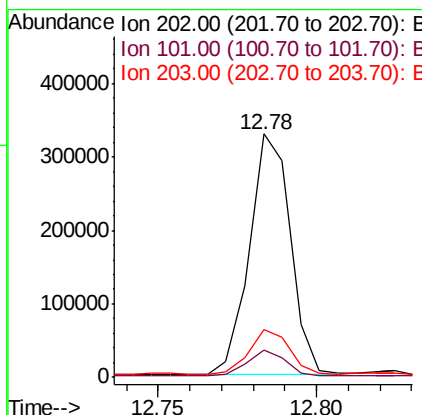
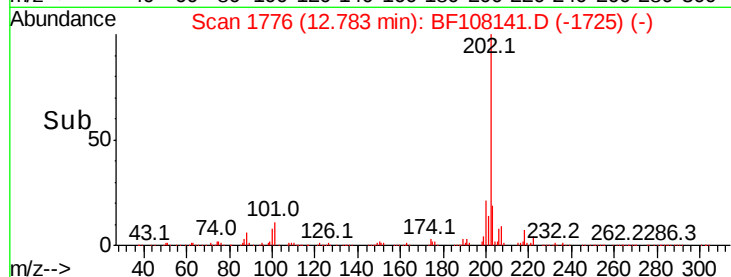
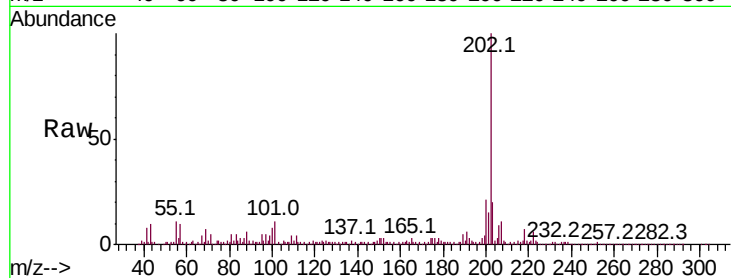
ClientSampleId :

RA-081018-SW-003

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.3	0.0	34.1		
203	19.5	0.0	38.1		

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

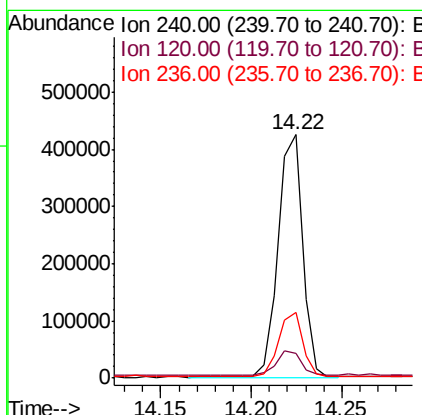
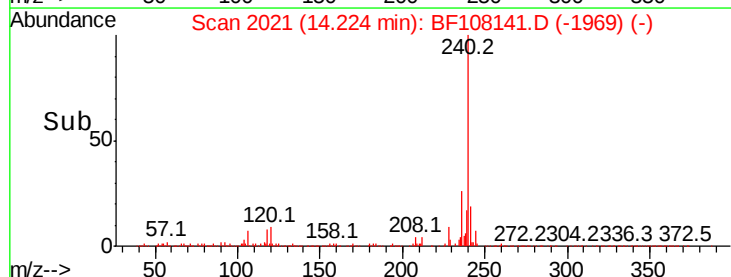
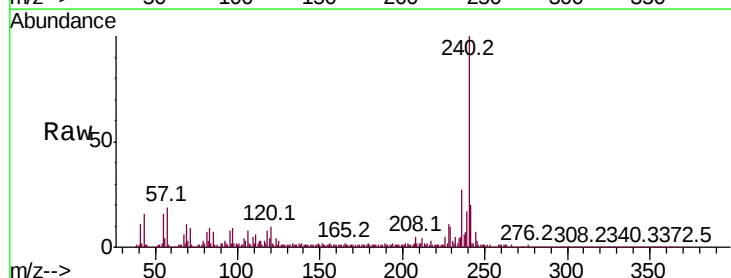
RT: 14.22 min Scan# 2021

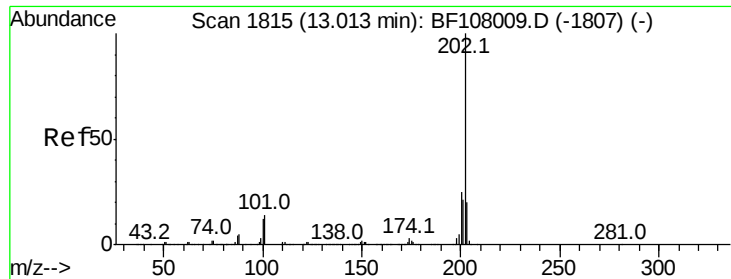
Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.2	9.5	14.3		
236	27.0	20.7	31.1		





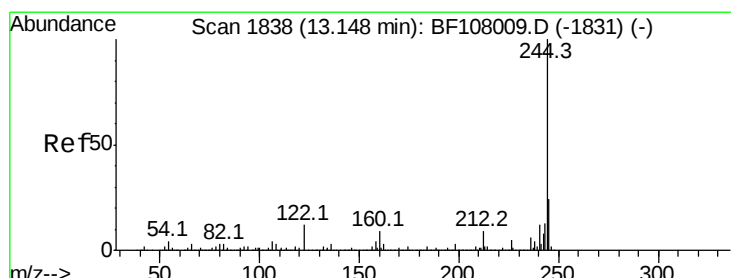
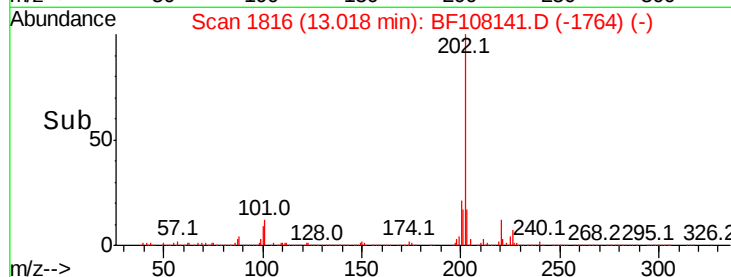
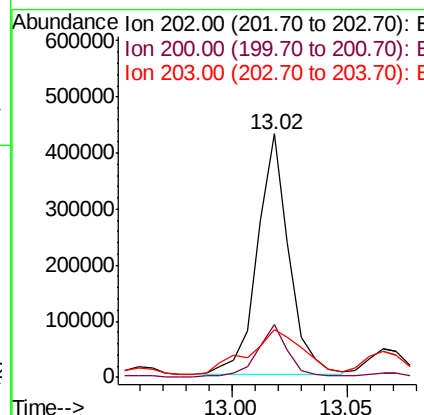
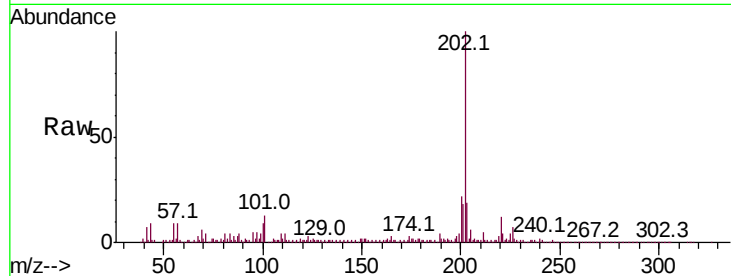
#77
Pvrene
Concen: 16.265 ng
RT: 13.02 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

Instrument :
BNA_F
ClientSampleId :
RA-081018-SW-003

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	19.5	14.3	21.5

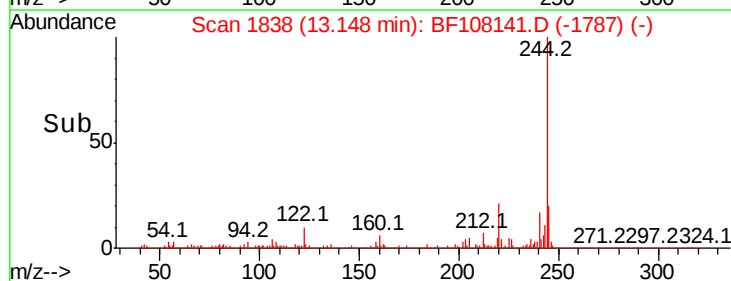
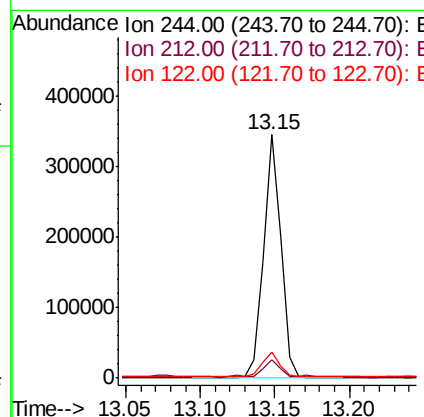
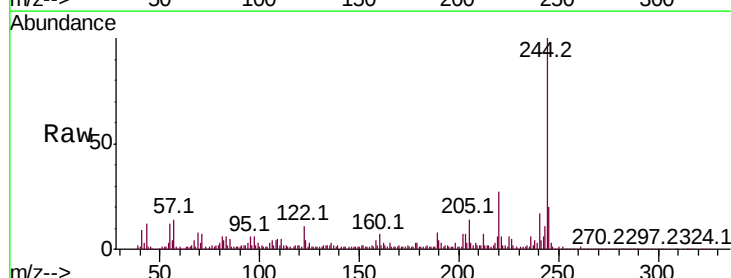
Manual Integrations
APPROVED

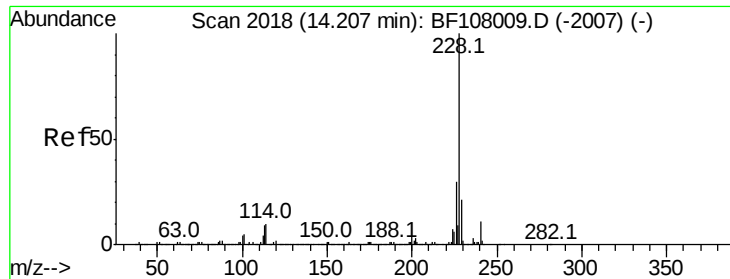
Sohil
8/15/2018 3:38:30 PM



#78
Terphenyl-d14
Concen: 17.285 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.5	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 8.694 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Instrument :

BNA_F

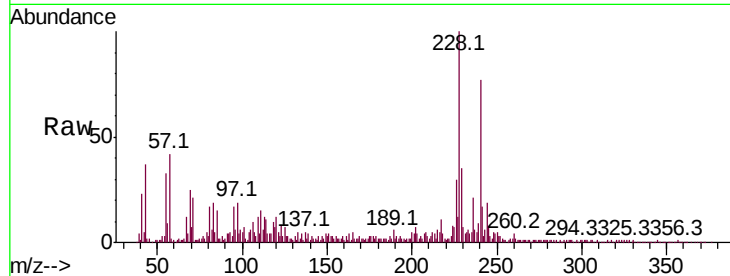
ClientSampleId :

RA-081018-SW-003

Tot Ion	Ratio	Resp	Lower	Upper
228	100	199219		
226	30.1	22.6	33.8	
229	35.5	15.8	23.6	

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM

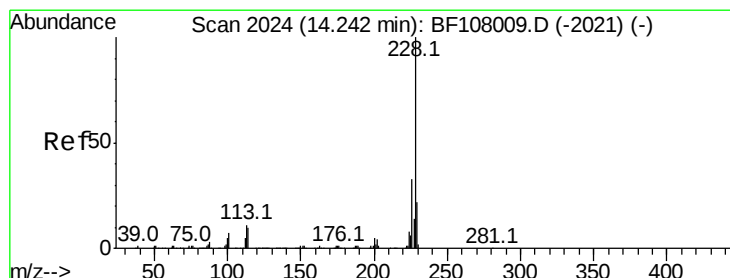
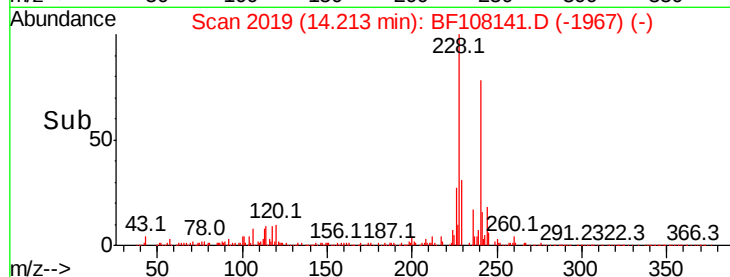
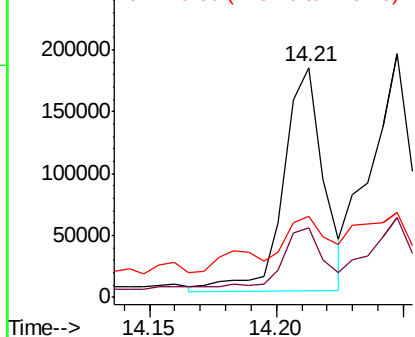


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 10.671 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

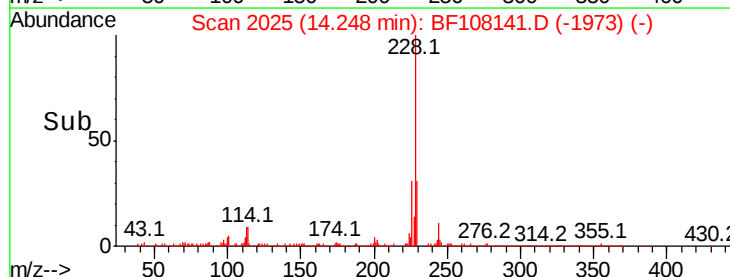
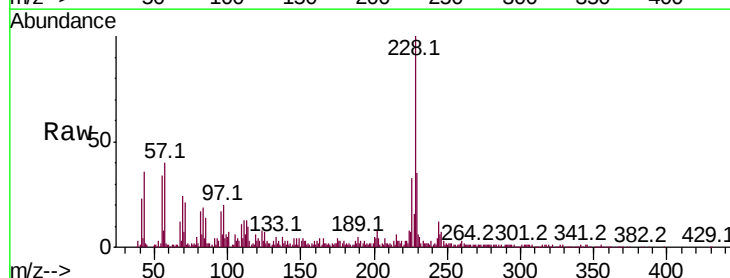
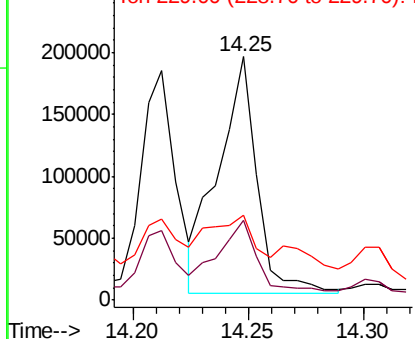
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	224163		
226	32.9	25.0	37.6	
229	35.0	16.2	24.4	

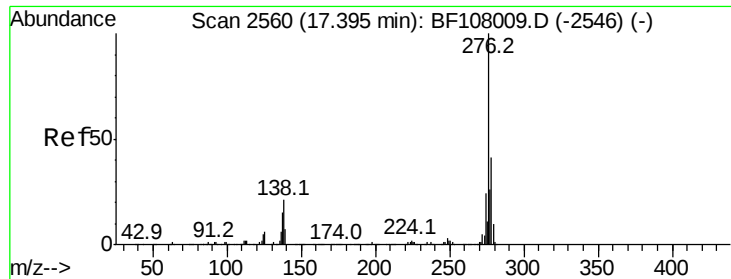
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





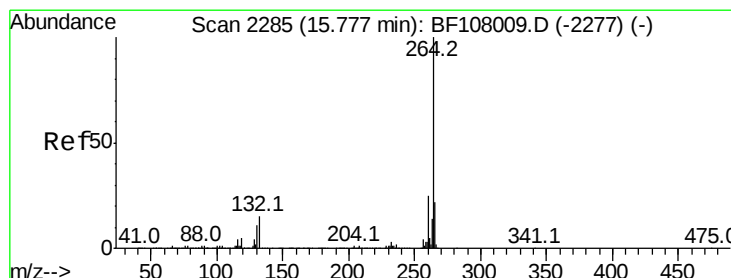
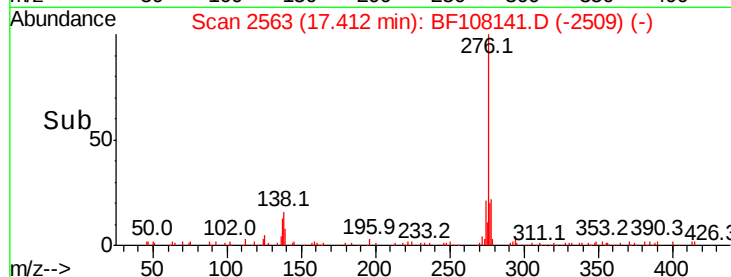
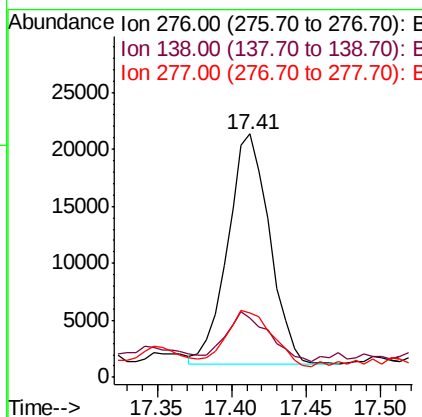
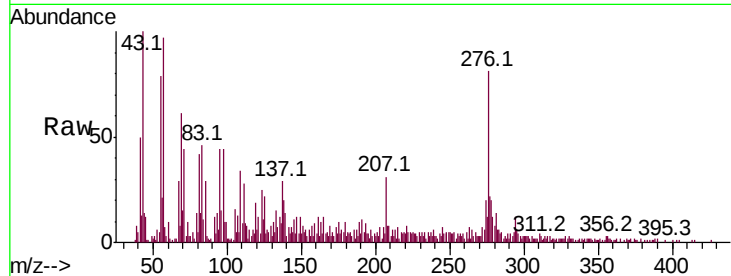
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.165 ng
 RT: 17.41 min Scan# 2563
 Delta R.T. 0.02 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.0	37.6#
277	27.2	20.1	30.1

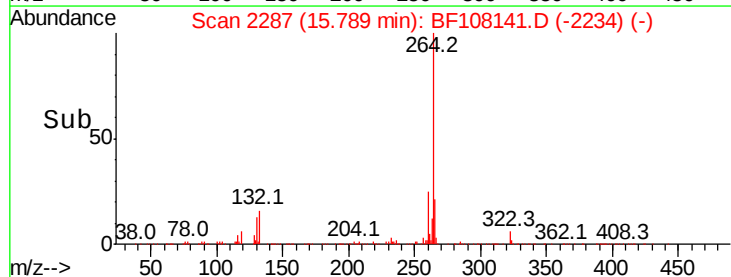
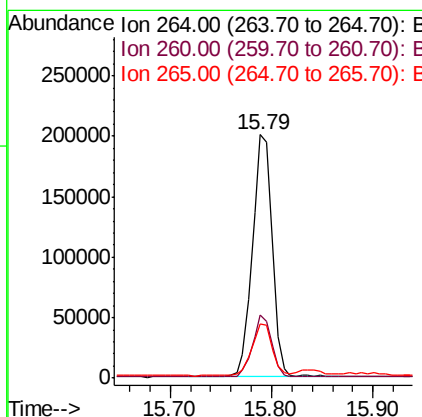
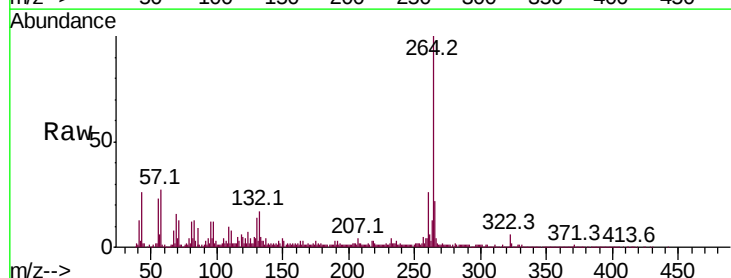
Manual Integrations
 APPROVED

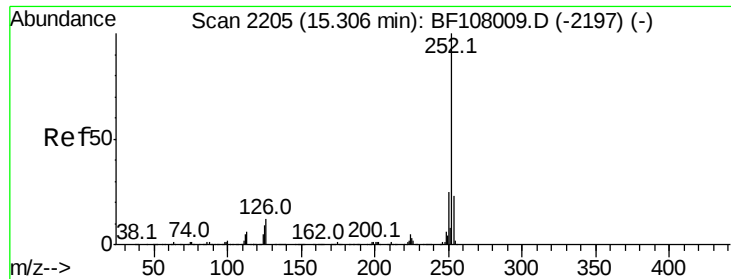
Sohil
 8/15/2018 3:38:30 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF108141.D
 Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.290 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

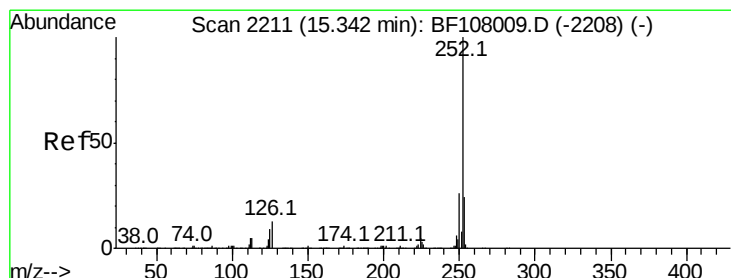
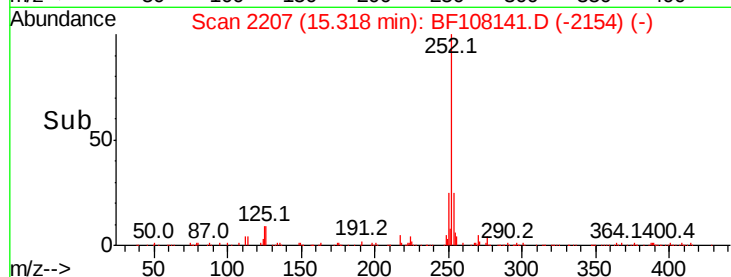
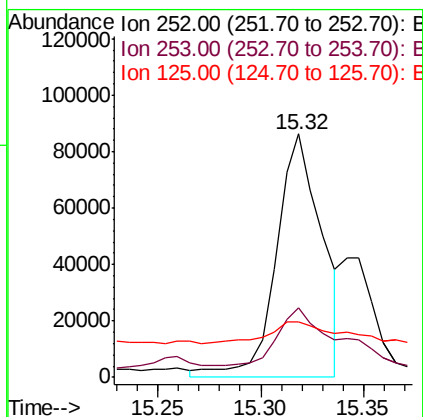
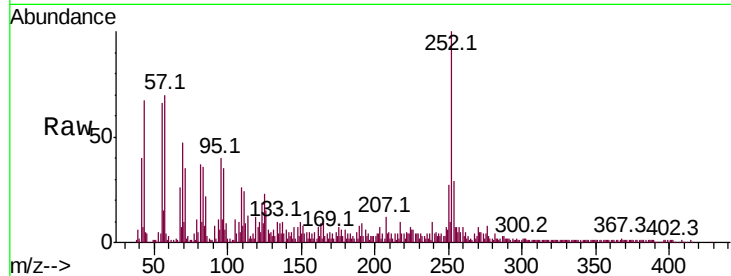
Instrument :
BNA_F

ClientSampleId :
RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.6#
125	22.8	9.0	13.6#

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#88

Benzo(k)fluoranthene

Concen: 3.553 ng m

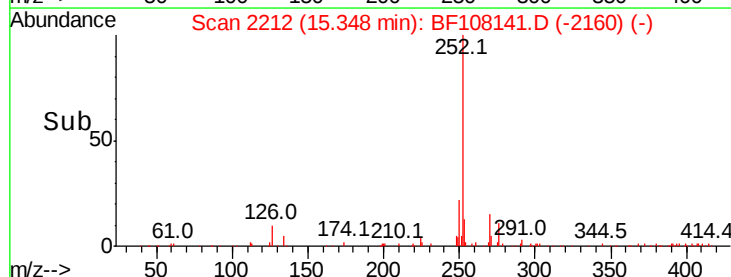
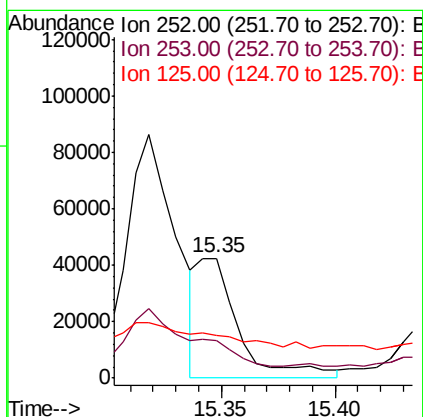
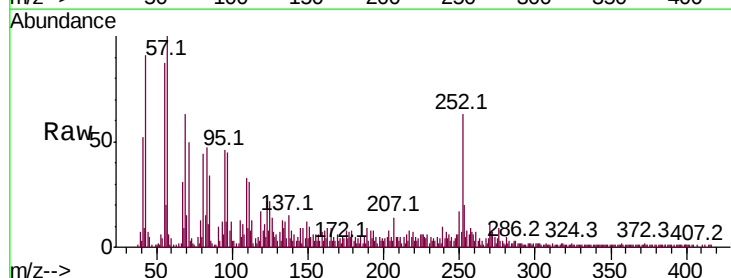
RT: 15.35 min Scan# 2212

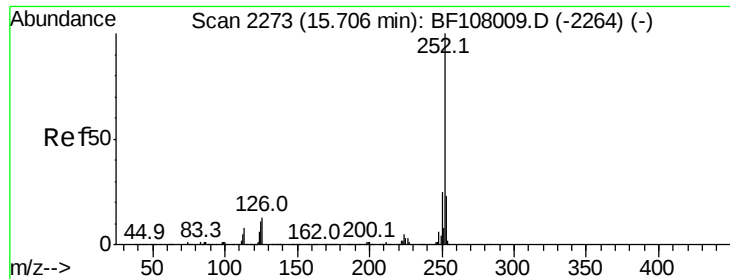
Delta R.T. 0.01 min

Lab File: BF108141.D

Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.9	26.9#
125	35.2	10.2	15.2#





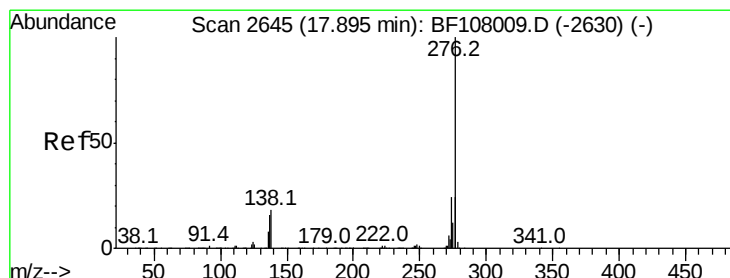
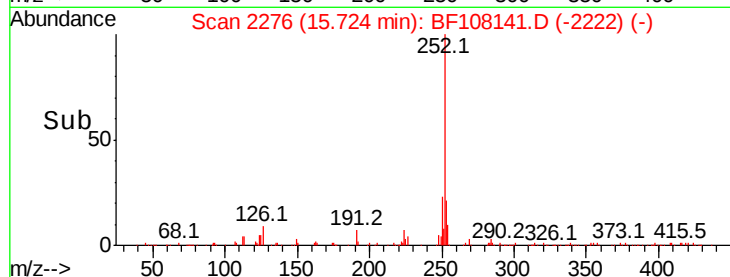
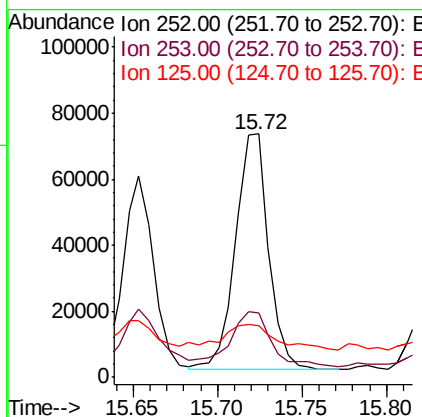
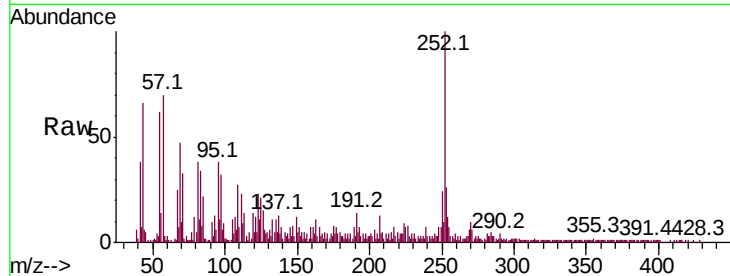
#89
Benzo(a)pyrene
Concen: 6.685 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

Instrument :
BNA_F
ClientSampleId :
RA-081018-SW-003

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	21.1	9.8	14.6#

Manual Integrations
APPROVED

Sohil
8/15/2018 3:38:30 PM



#91
Benzo(g,h,i)perylene
Concen: 3.725 ng
RT: 17.91 min Scan# 2648
Delta R.T. 0.02 min
Lab File: BF108141.D
Acq: 14 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	25.9	21.8	32.8

