

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107674.D
 Acq On : 25 Jul 2018 22:59
 Operator : JU/SJ
 Sample : J4031-10 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-10

Manual Integrations
 APPROVED

Sohil
 7/26/2018 2:02:10 PM

Quant Time: Jul 26 03:37:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	189416	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	738352	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	286389	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	500314	20.00	ng	0.00
75) Chrysene-d12	14.16	240	382109	20.00	ng	0.00
86) Perylene-d12	15.70	264	328322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	167865	14.25	ng	-0.01
7) Phenol-d6	6.60	99	241174	17.05	ng	-0.01
23) Nitrobenzene-d5	7.53	82	141311	12.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	56143	17.24	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	306911	11.63	ng	-0.02
78) Terphenyl-d14	13.09	244	249540	16.72	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	10.04	154	63647	3.546	ng	95
70) Phenanthrene	11.53	178	908097	37.247	ng	99
71) Anthracene	11.58	178	222811	9.077	ng	99
72) Carbazole	11.74	167	54403	2.131	ng	94
74) Fluoranthene	12.73	202	1634090	62.460	ng	96
77) Pyrene	12.96	202	1482060	56.704	ng	97
80) Benzo(a)anthracene	14.15	228	678184	30.287	ng	98
82) Chrysene	14.19	228	682802	31.743	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	245886	13.488	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	693223m	38.579	ng	
88) Benzo(k)fluoranthene	15.27	252	213545m	12.130	ng	
89) Benzo(a)pyrene	15.63	252	445447	27.101	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	64904m	4.568	ng	
91) Benzo(g,h,i)perylene	17.76	276	250257	17.857	ng	92

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

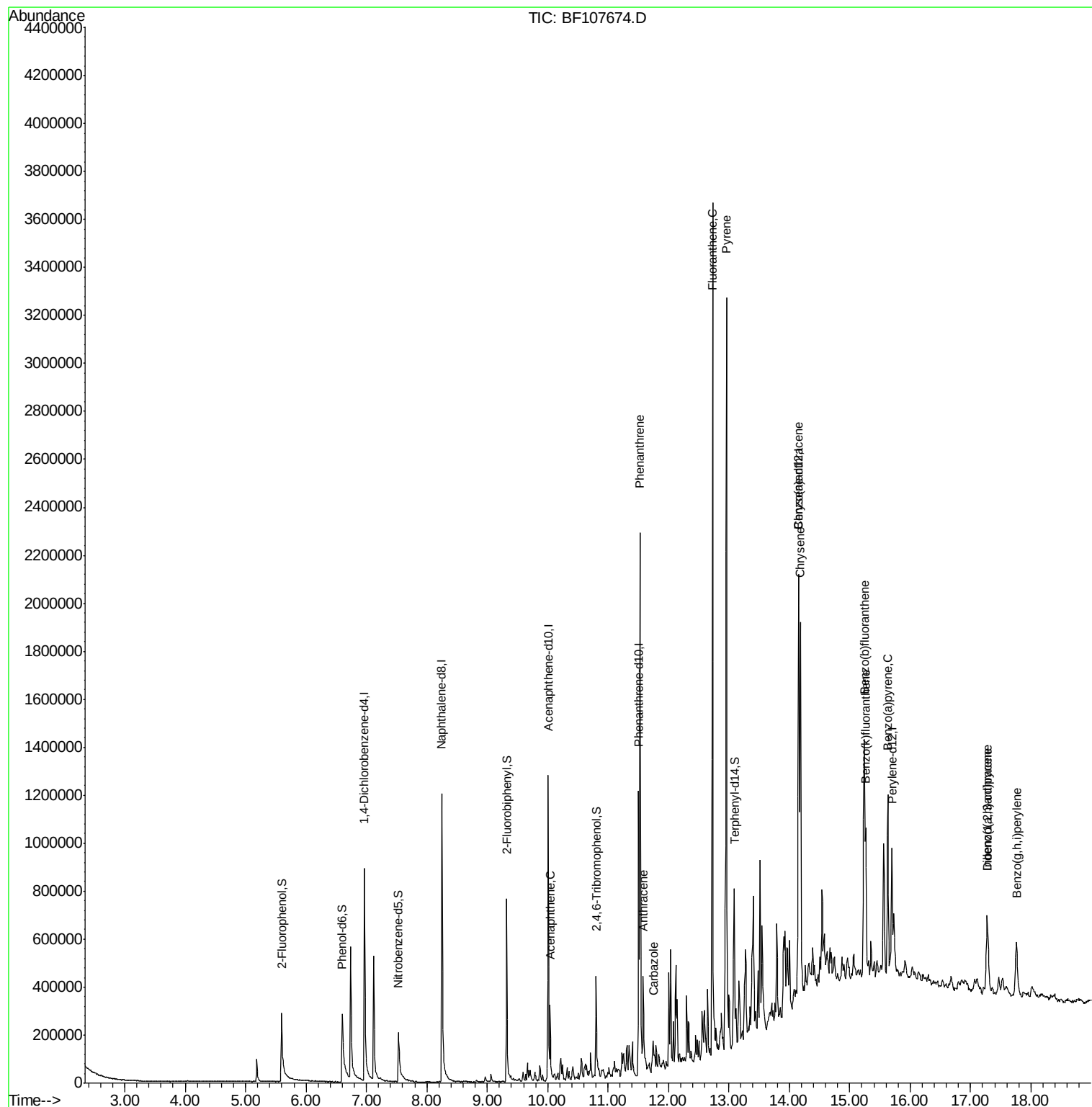
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

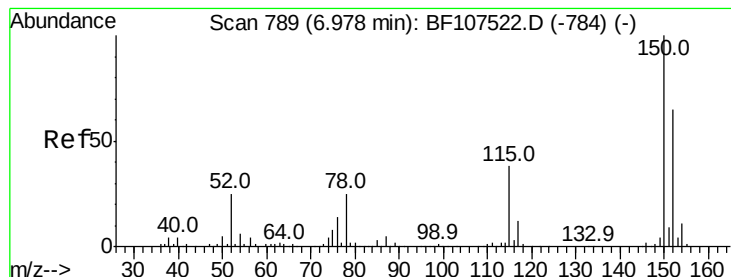
Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM

Quant Time: Jul 26 03:37:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration





#1

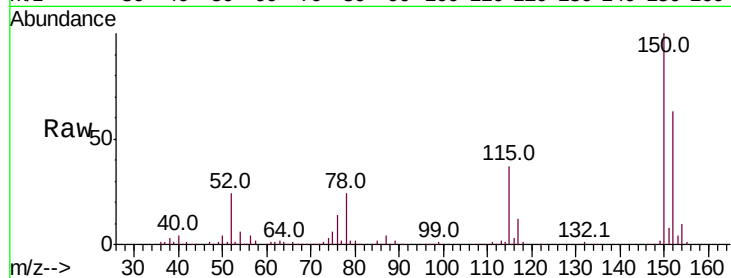
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	59.2	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM

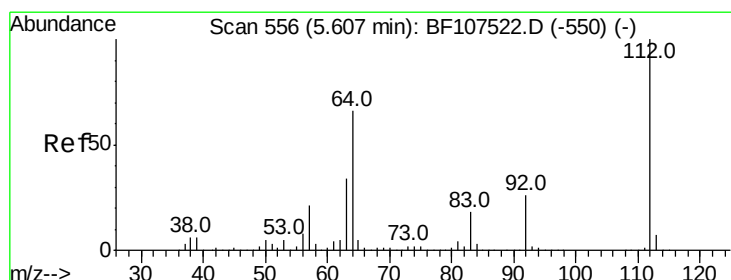
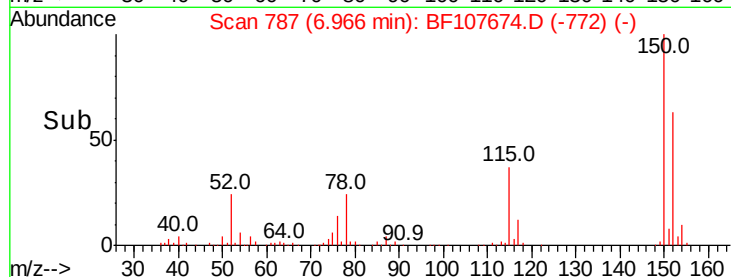
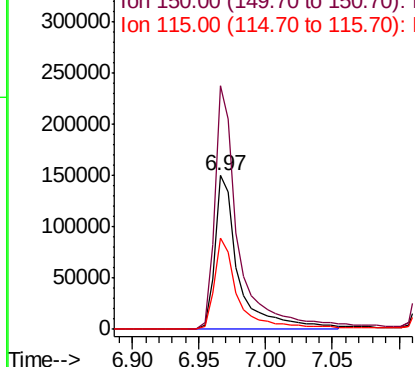


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

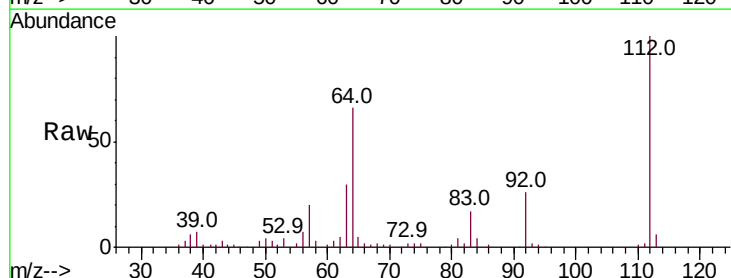
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.249 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	47.9	71.9
63	30.1	23.7	35.5

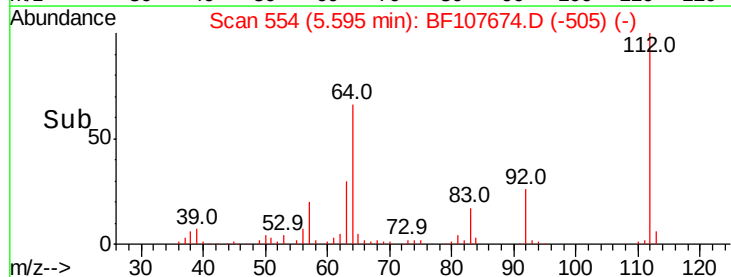
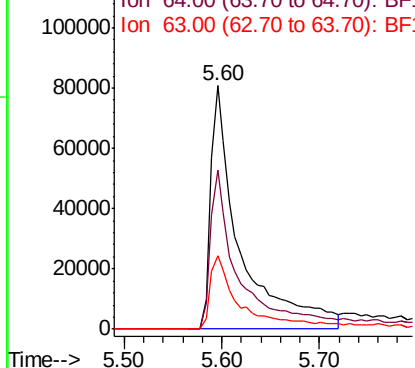


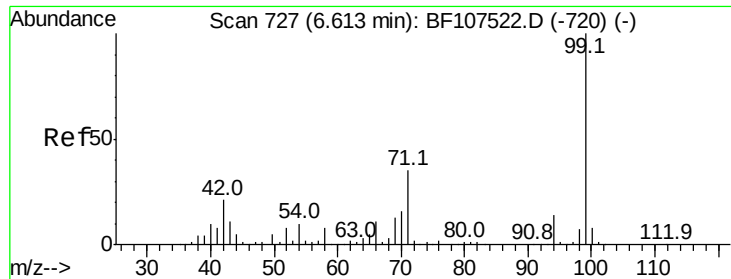
Abundance

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: 17.049 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

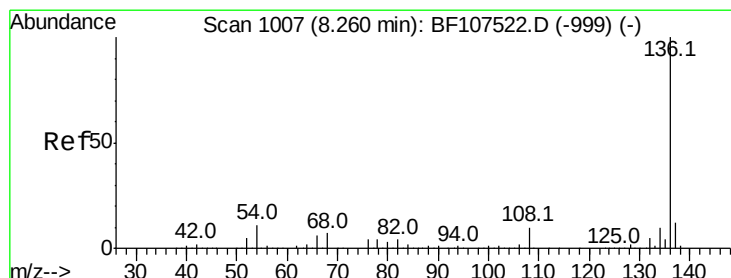
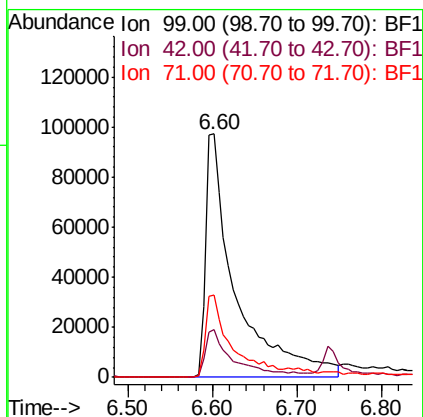
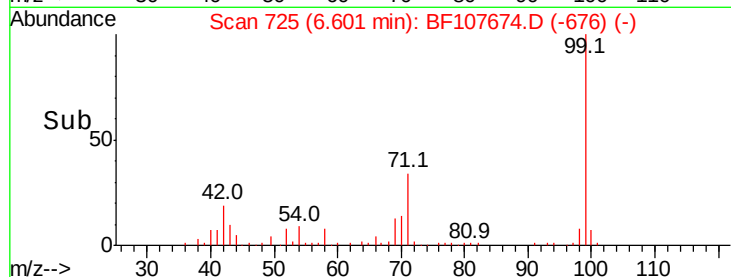
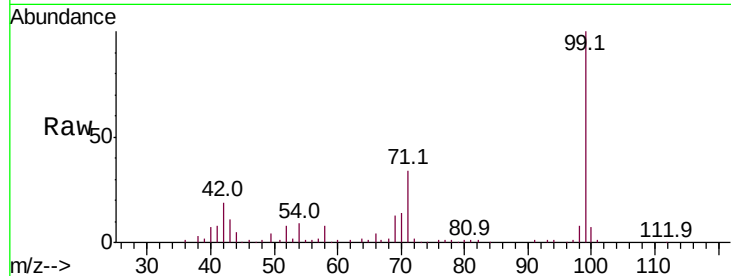
ClientSampleId :

PLANTER-DOC-10

Tot Ion:	99	Resp:	241174
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	33.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



#21

Naphthalene-d8

Concen: 20.000 ng

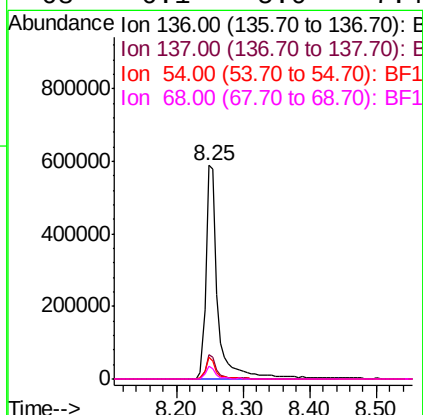
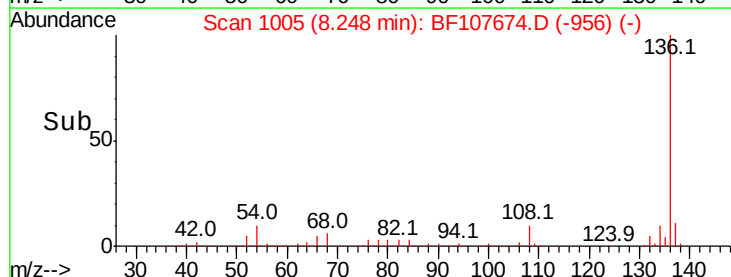
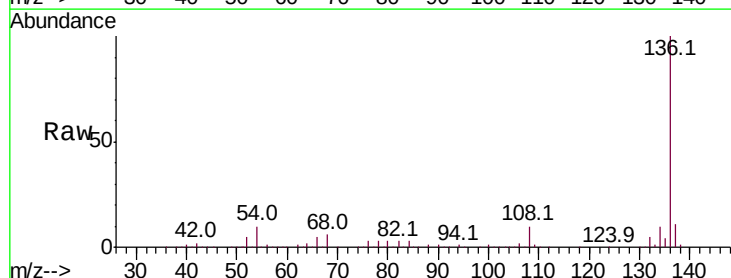
RT: 8.25 min Scan# 1005

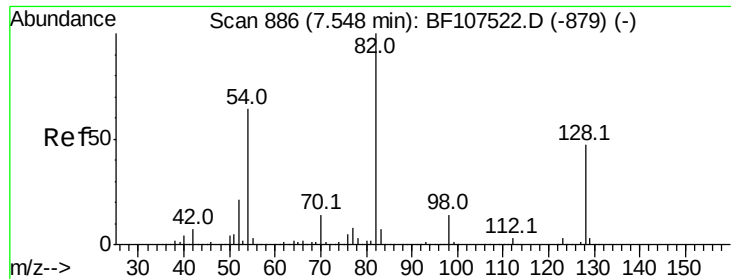
Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Tgt Ion:	136	Resp:	738352
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	10.2	6.6	9.8#
68	6.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 12.916 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

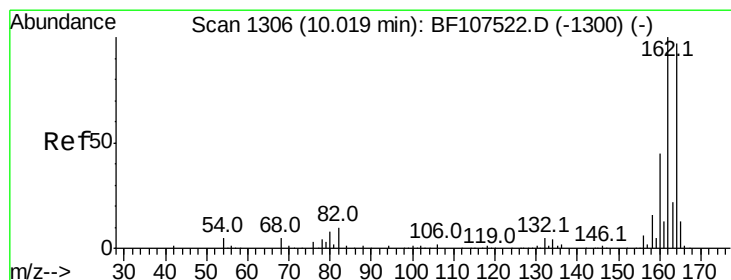
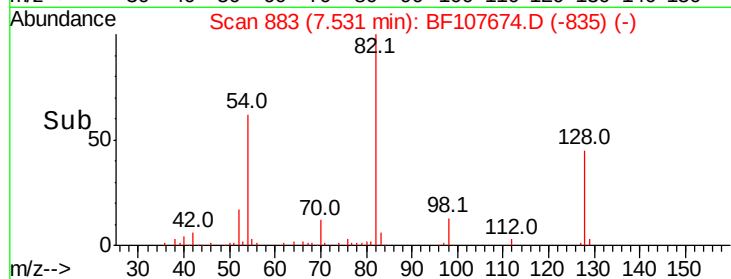
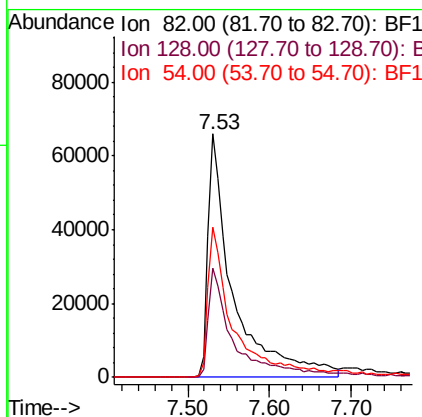
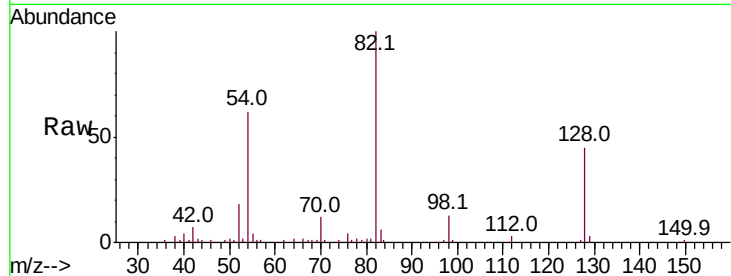
ClientSampleId :

PLANTER-DOC-10

Tot Ion:	82	Resp:	141311
Ion Ratio	Lower	Upper	
82	100		
128	44.9	36.1	54.1
54	61.9	41.4	62.2

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

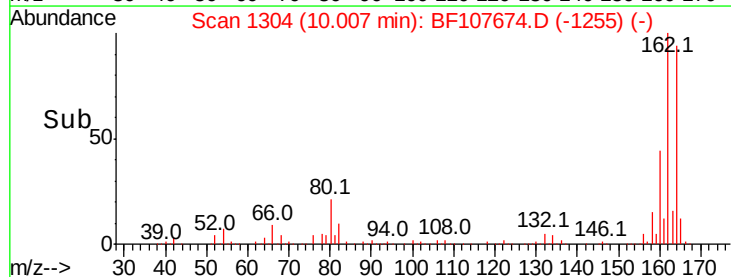
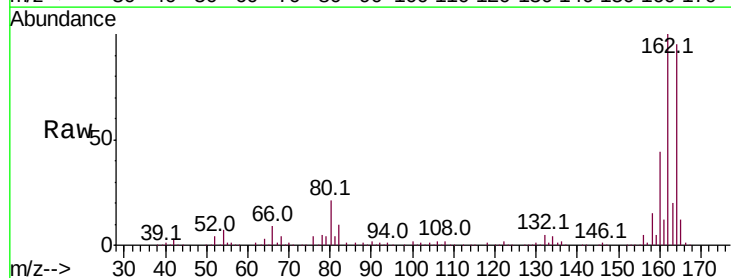
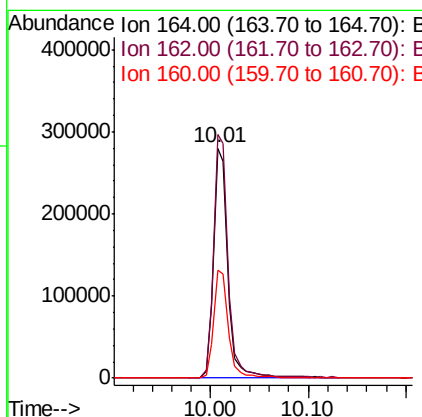
RT: 10.01 min Scan# 1304

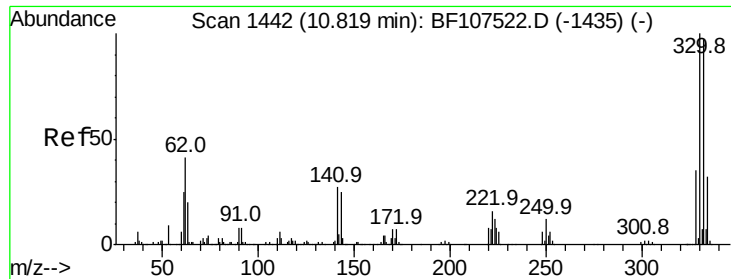
Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Tgt Ion:	164	Resp:	286389
Ion Ratio	Lower	Upper	
164	100		
162	105.8	86.1	129.1
160	46.8	38.3	57.5





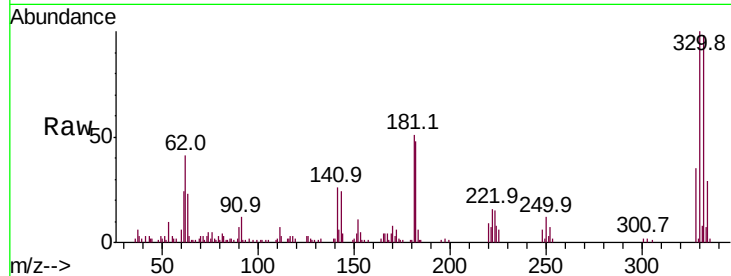
#41
 2,4,6-Tribromophenol
 Concen: 17.239 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107674.D
 Acq: 25 Jul 2018 22:59

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	34.8	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 7/26/2018 2:02:10 PM

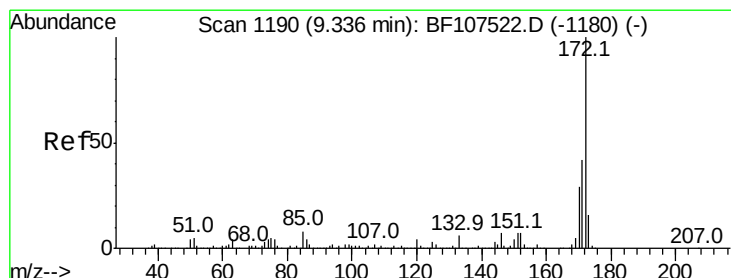
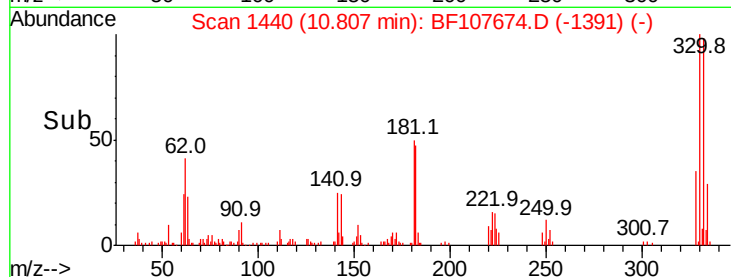
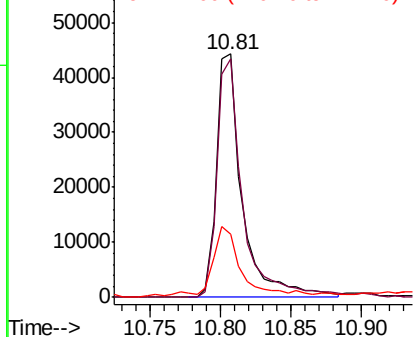


Abundance

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: 11.629 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107674.D
 Acq: 25 Jul 2018 22:59

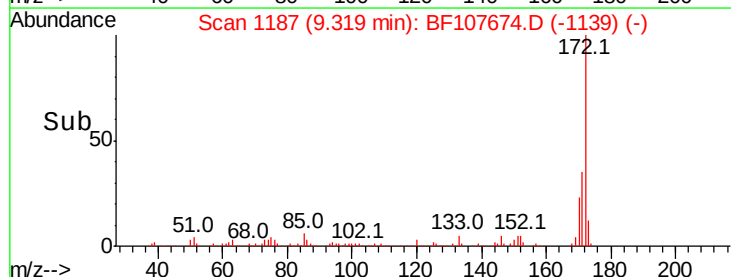
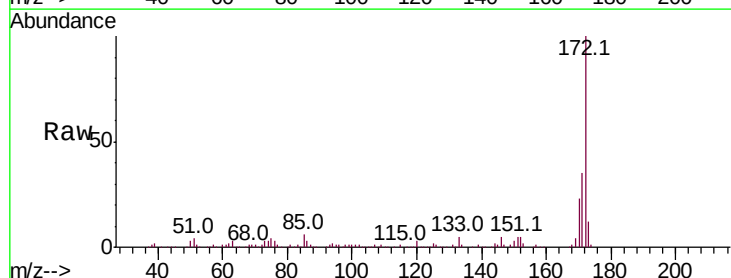
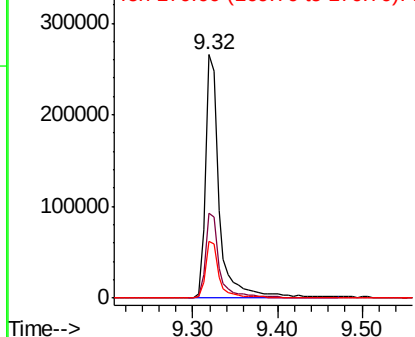
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.2	19.6	29.4

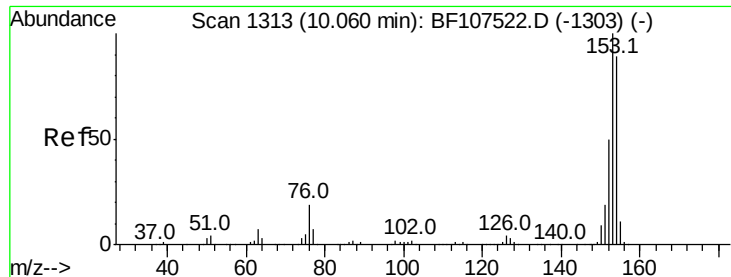
Abundance

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: 3.546 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

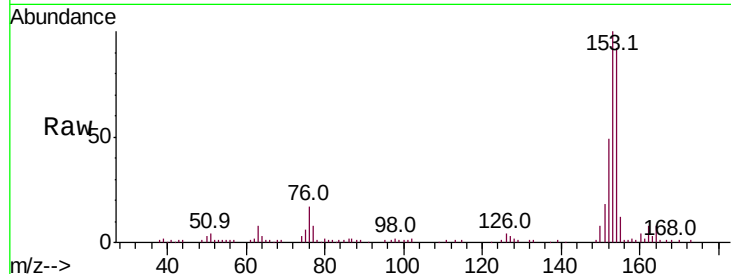
ClientSampleId :

PLANTER-DOC-10

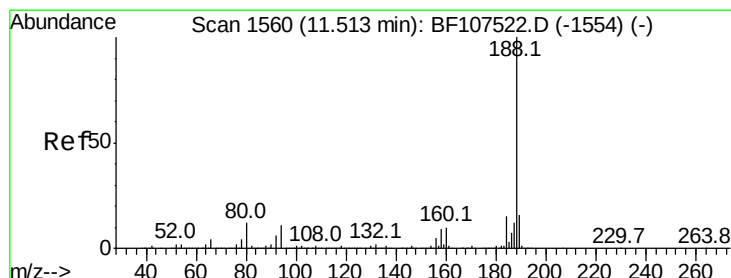
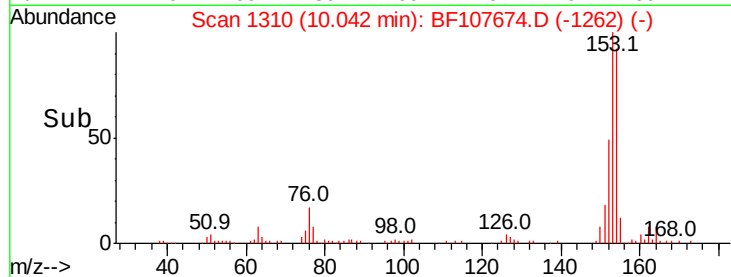
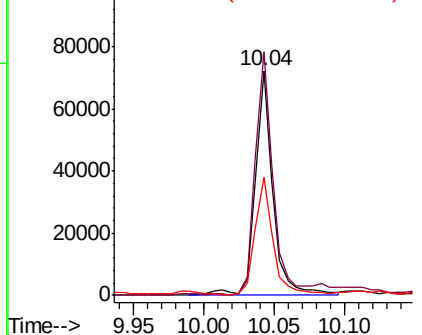
Tot Ion:	154	Resp:	63647
Ion	Ratio	Lower	Upper
154	100		
153	108.3	91.2	136.8
152	52.7	43.8	65.8

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

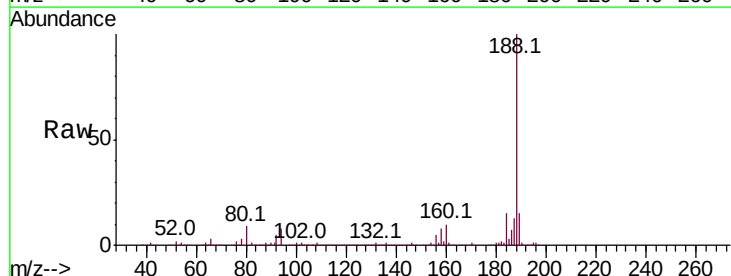
RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

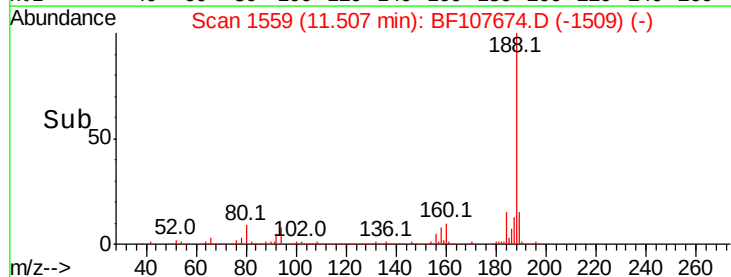
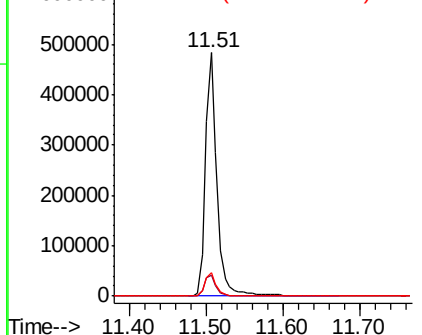
Lab File: BF107674.D

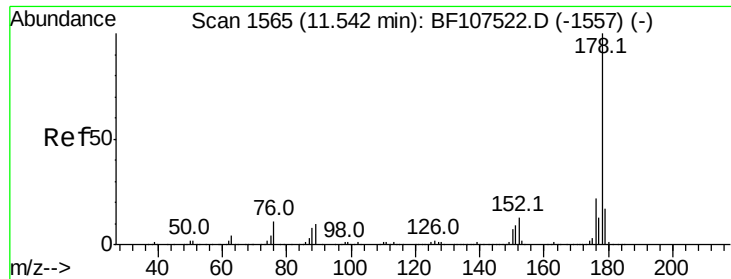
Acq: 25 Jul 2018 22:59

Tgt Ion:	188	Resp:	500314
Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.4	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





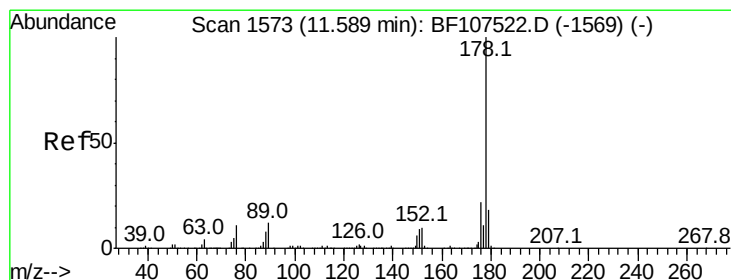
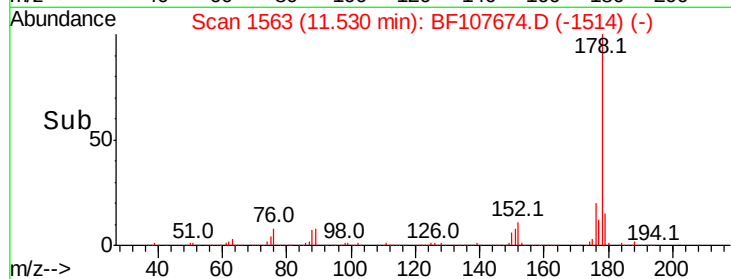
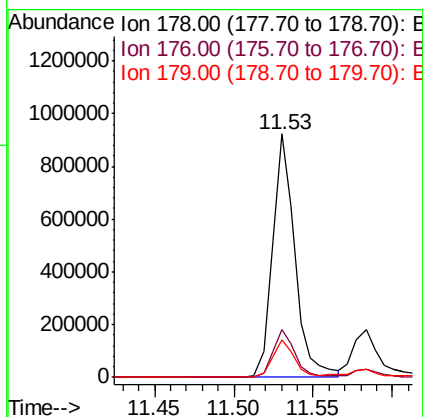
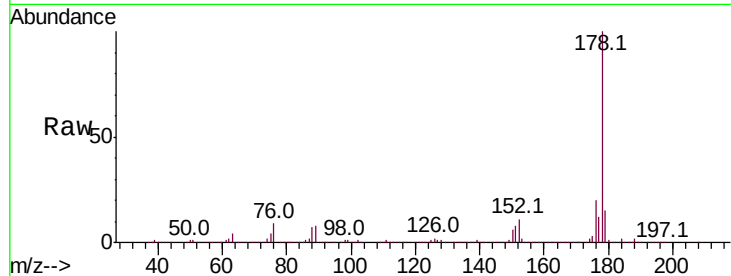
#70
Phenanthrene
Concen: 37.247 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

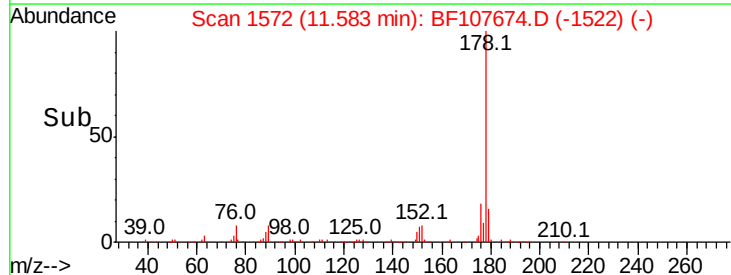
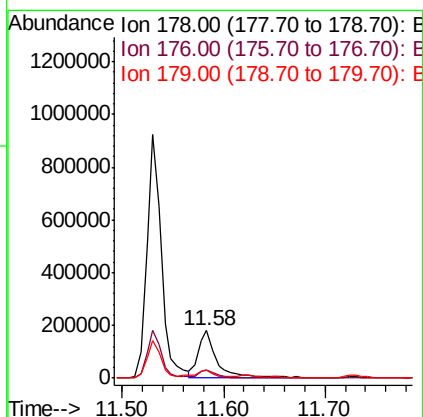
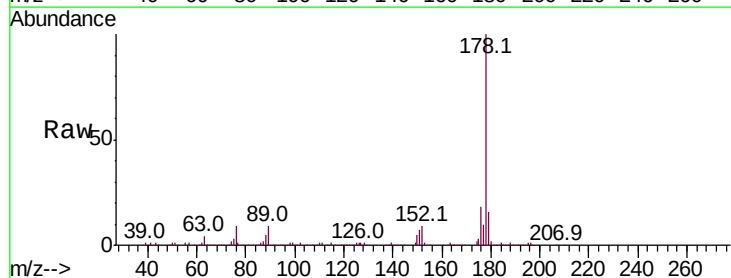
Manual Integrations
APPROVED

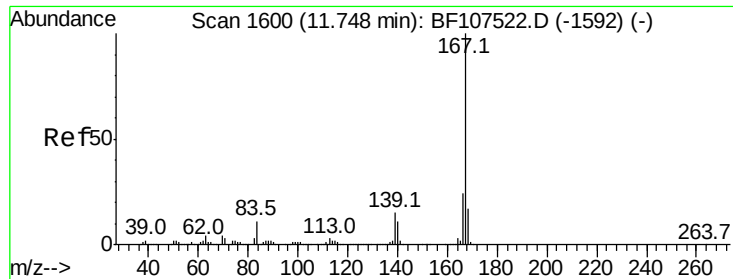
Sohil
7/26/2018 2:02:10 PM



#71
Anthracene
Concen: 9.077 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.9	12.6	19.0





#72

Carbazole

Concen: 2.131 ng

RT: 11.74 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

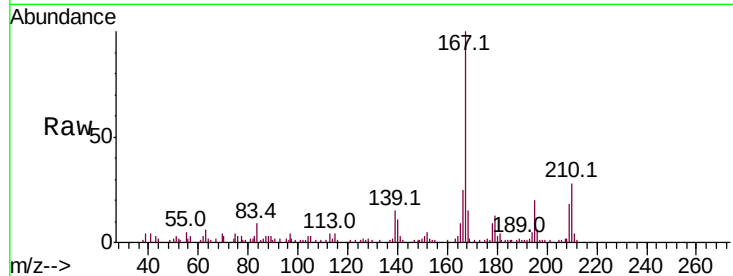
ClientSampleId :

PLANTER-DOC-10

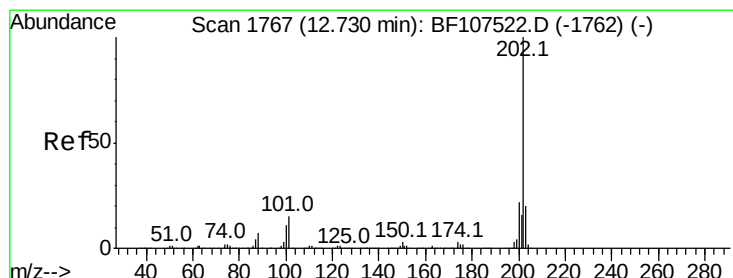
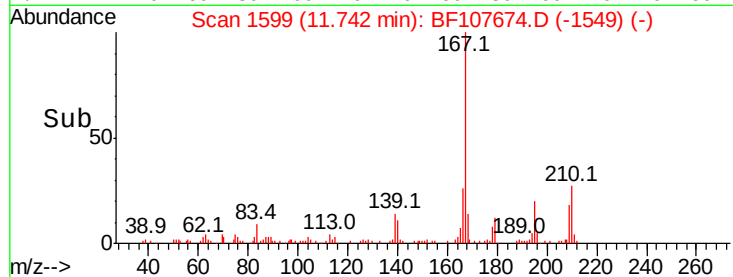
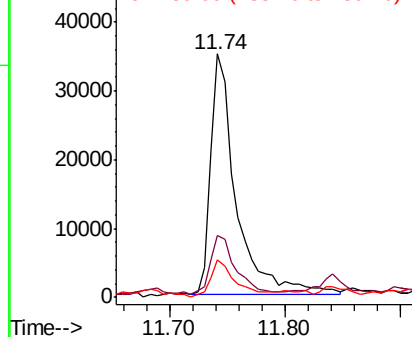
Tot Ion	Ratio	Lower	Upper
167	100		
166	25.5	17.6	26.4
139	15.3	10.9	16.3

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



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



#74

Fluoranthene

Concen: 62.460 ng

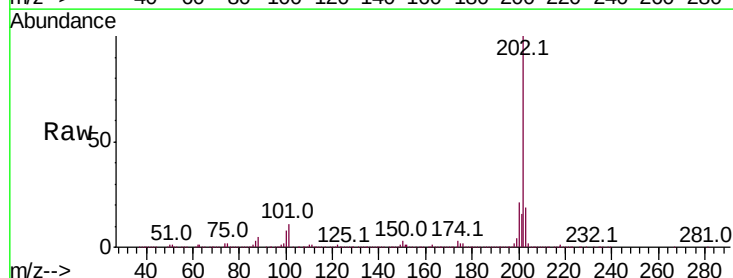
RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

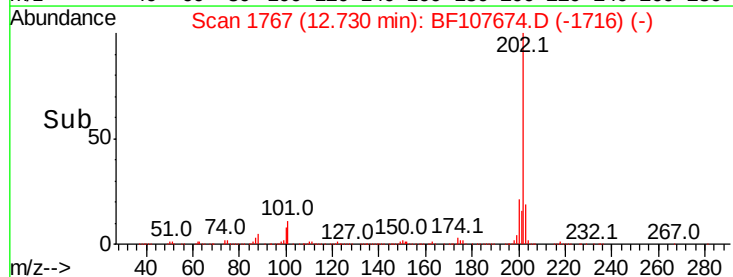
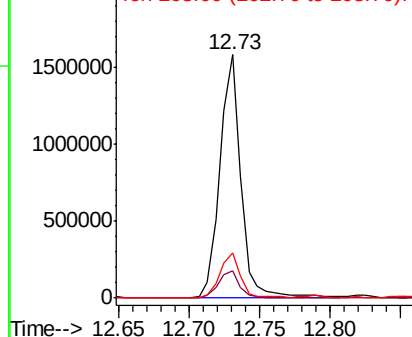
Lab File: BF107674.D

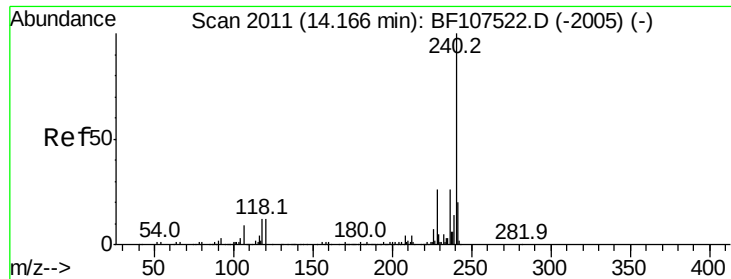
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	18.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

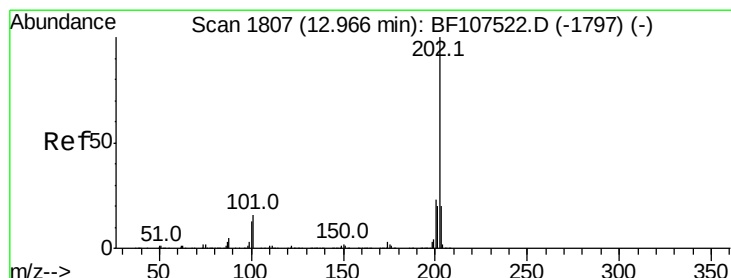
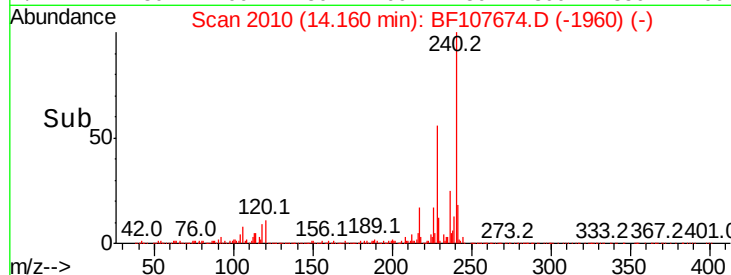
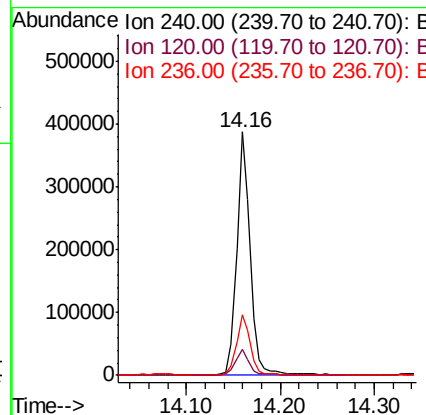
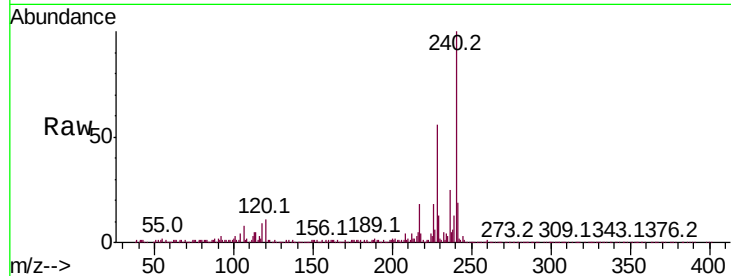
ClientSampleId :

PLANTER-DOC-10

Tot Ion:	240	Resp:	382109
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.5	14.3
236	24.9	20.7	31.1

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



#77

Pyrene

Concen: 56.704 ng

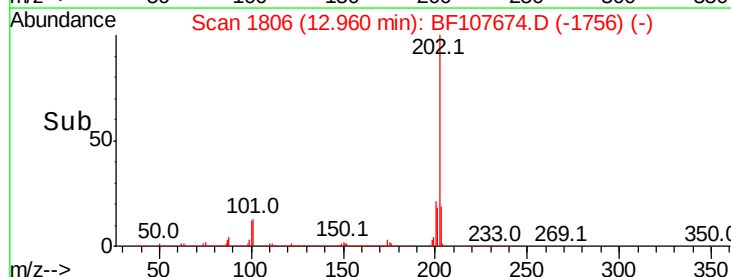
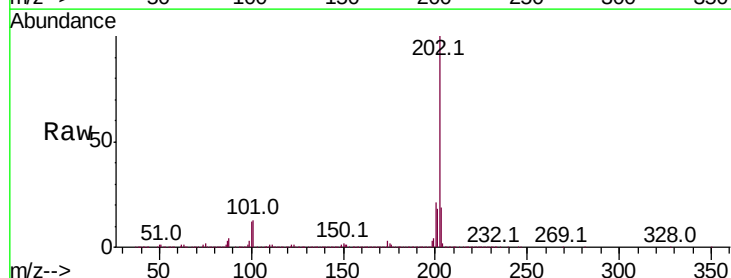
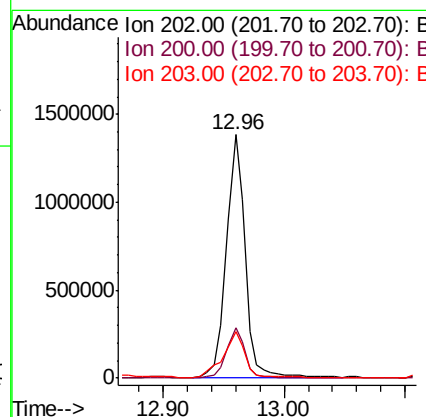
RT: 12.96 min Scan# 1806

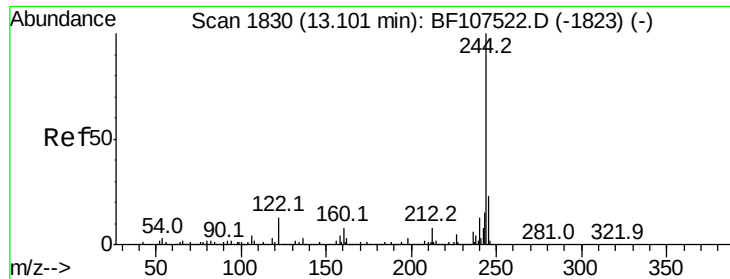
Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Tgt Ion:	202	Resp:	1482060
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	19.0	14.3	21.5





#78

Terphenyl-d14

Concen: 16.719 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Instrument :

BNA_F

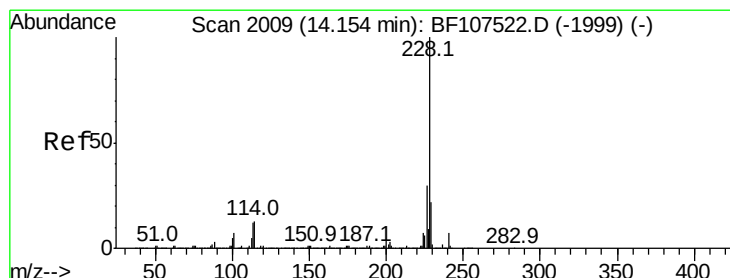
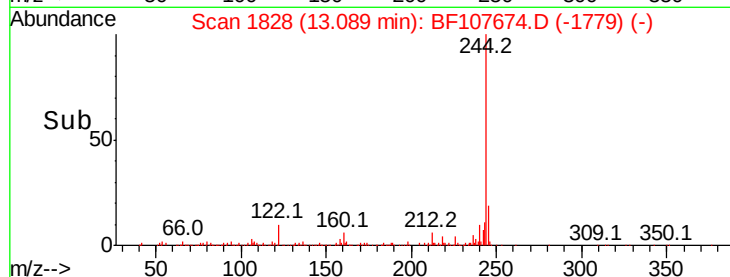
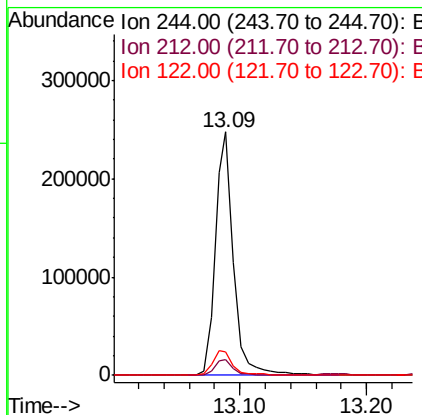
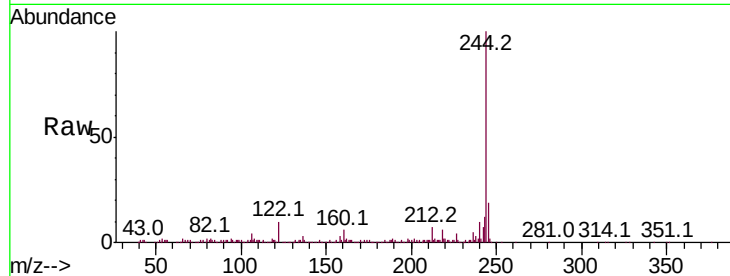
ClientSampleId :

PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM



#80

Benzo(a)anthracene

Concen: 30.287 ng

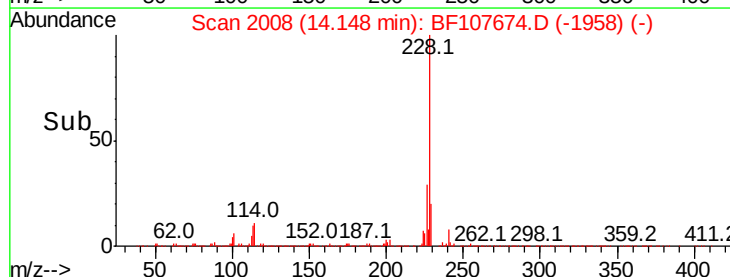
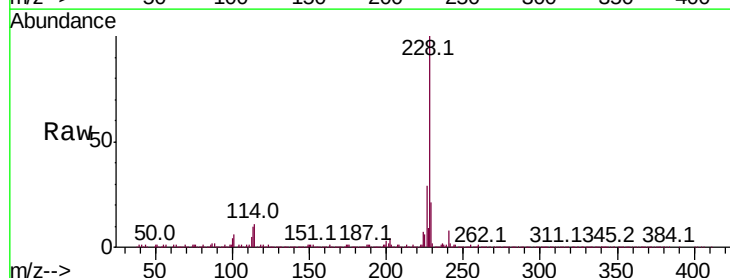
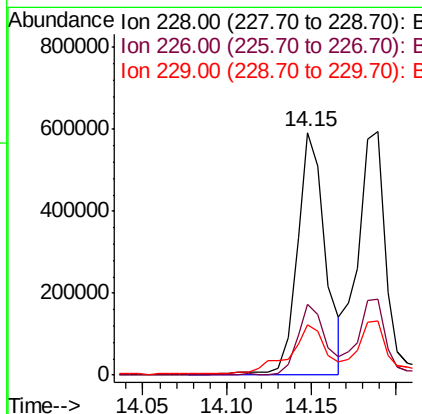
RT: 14.15 min Scan# 2008

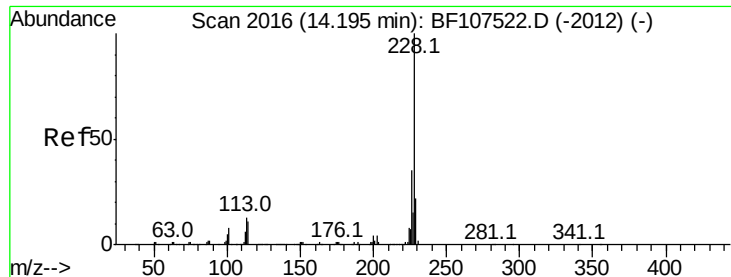
Delta R.T. -0.01 min

Lab File: BF107674.D

Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.7	15.8	23.6





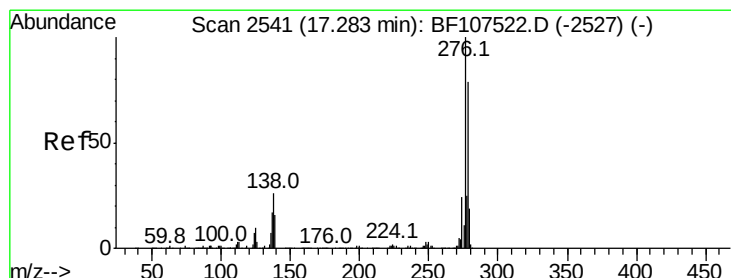
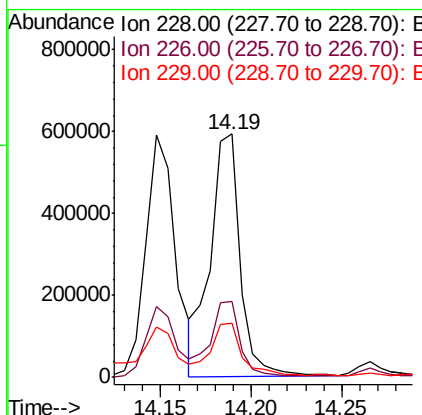
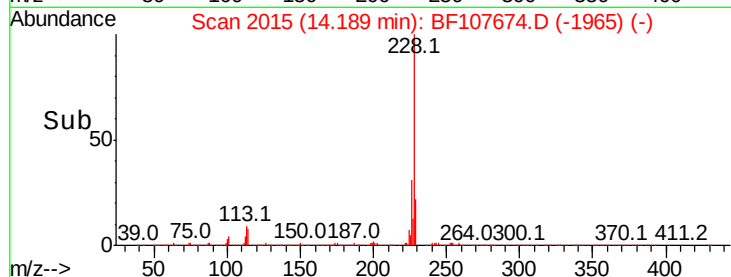
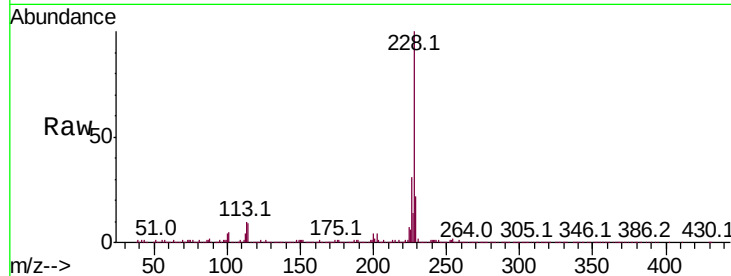
#82
Chrysene
Concen: 31.743 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.4	16.2	24.4

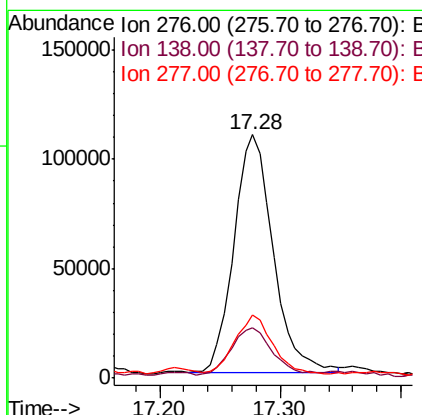
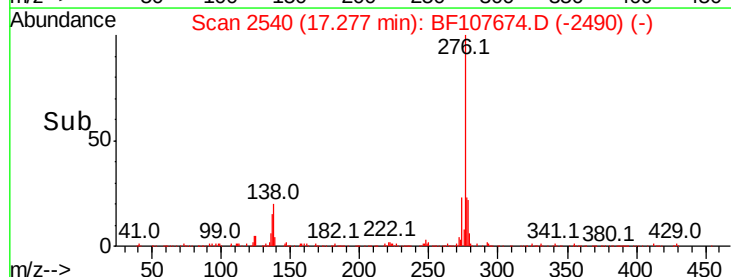
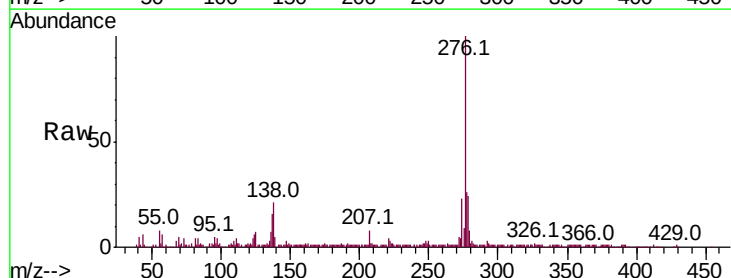
Manual Integrations
APPROVED

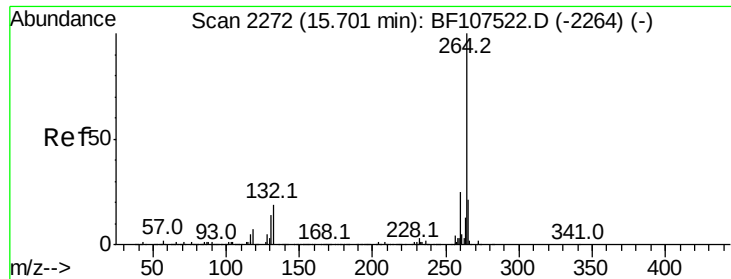
Sohil
7/26/2018 2:02:10 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 13.488 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	24.2	20.1	30.1





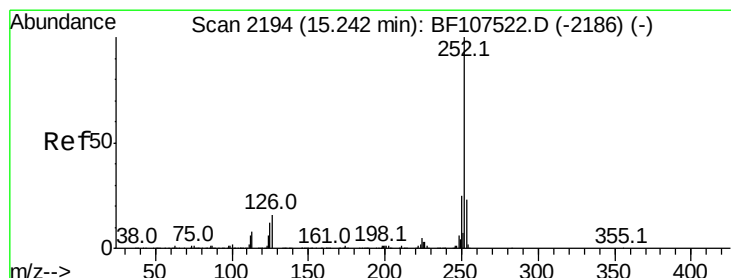
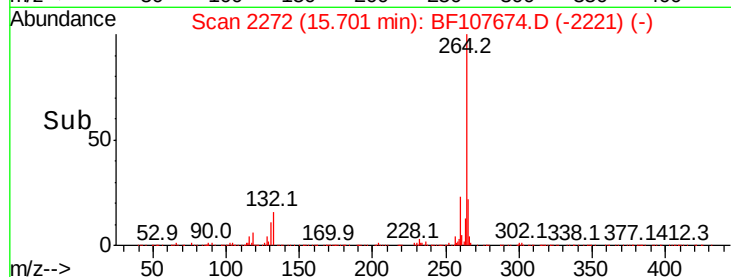
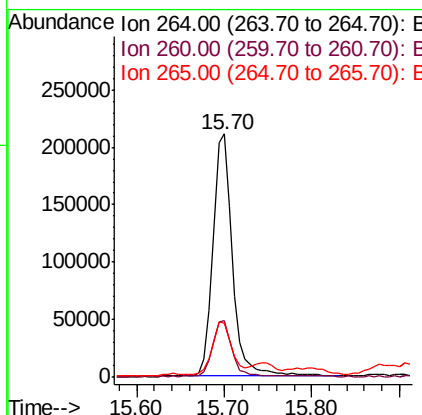
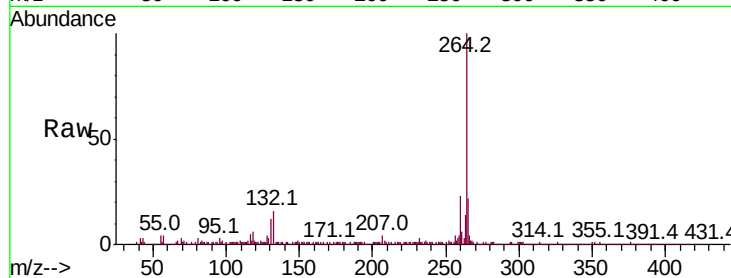
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.5	17.5	26.3

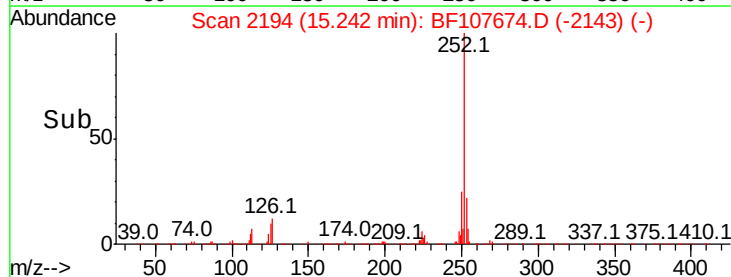
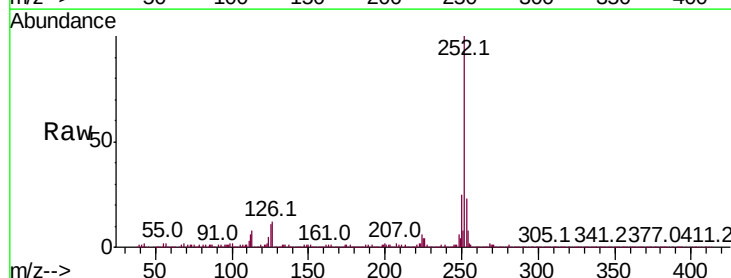
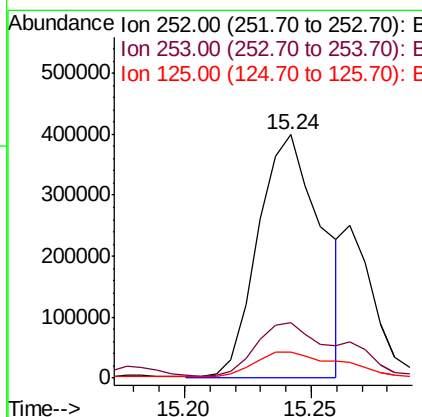
Manual Integrations
APPROVED

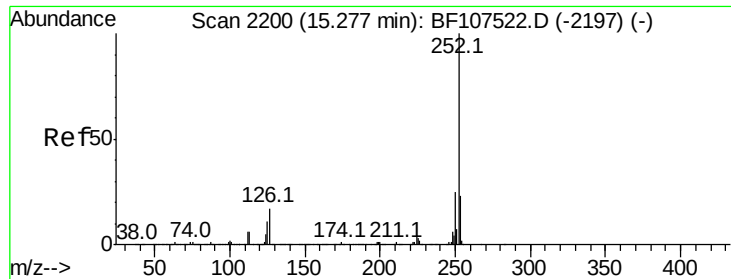
Sohil
7/26/2018 2:02:10 PM



#87
Benzo(b)fluoranthene
Concen: 38.579 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.7	9.0	13.6





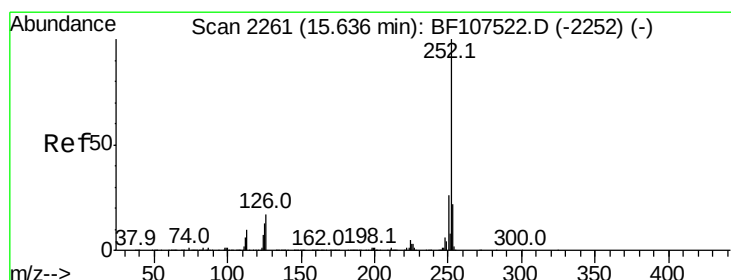
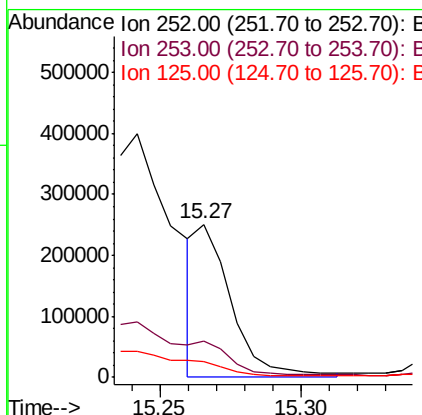
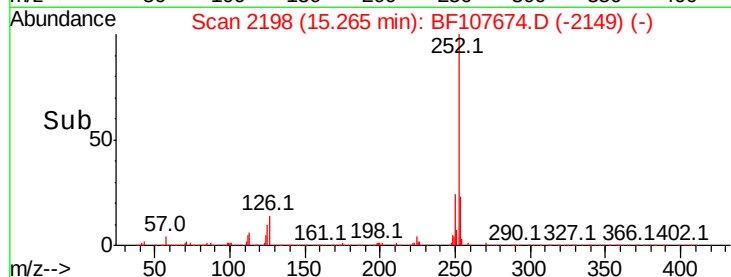
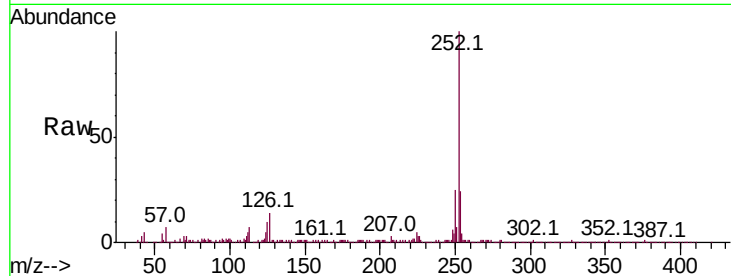
#88
Benzo(k)fluoranthene
Concen: 12.130 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion:	252	Resp:	213545
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	10.4	10.2	15.2

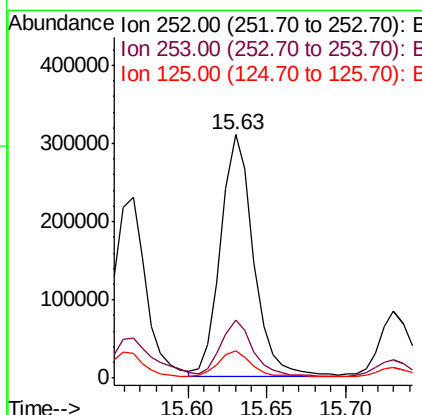
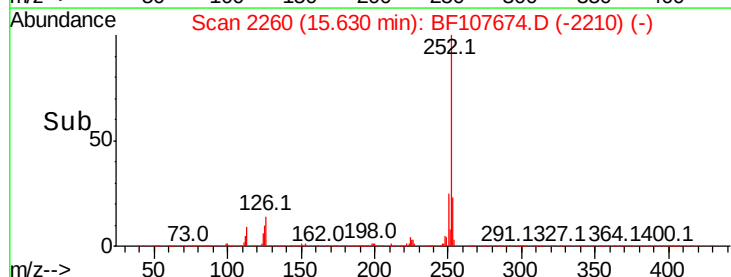
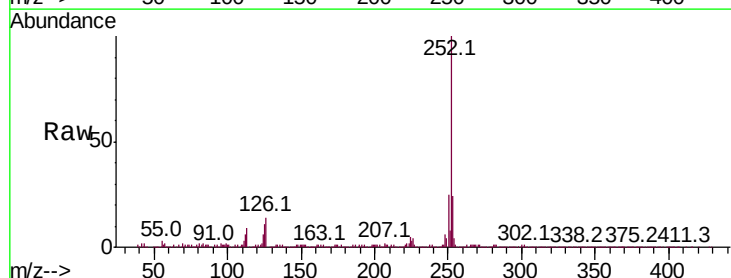
Manual Integrations
APPROVED

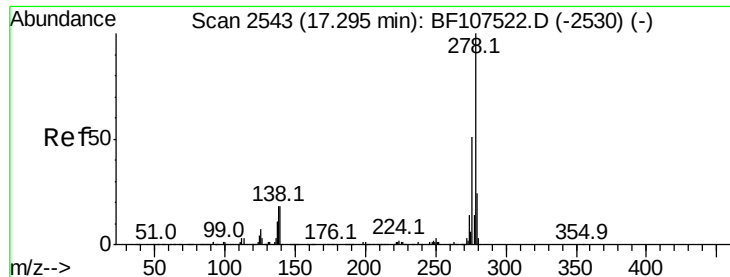
Sohil
7/26/2018 2:02:10 PM



#89
Benzo(a)pyrene
Concen: 27.101 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:	252	Resp:	445447
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	11.0	9.8	14.6





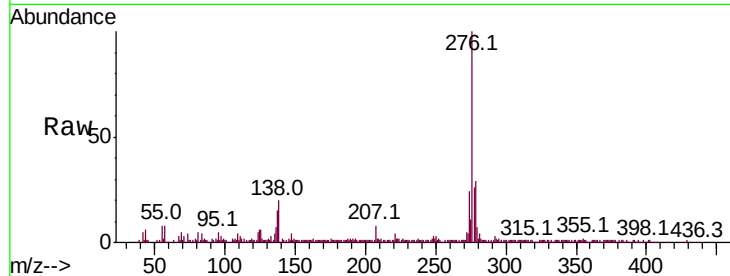
#90
Dibenzo(a,h)anthracene
Concen: 4.568 ng m
RT: 17.28 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	24.9	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/26/2018 2:02:10 PM

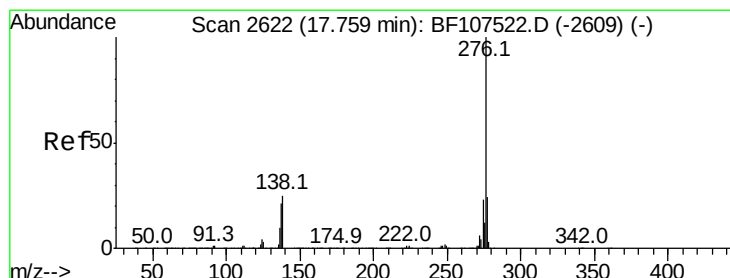
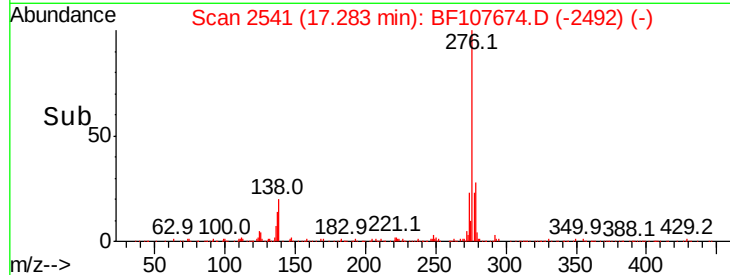
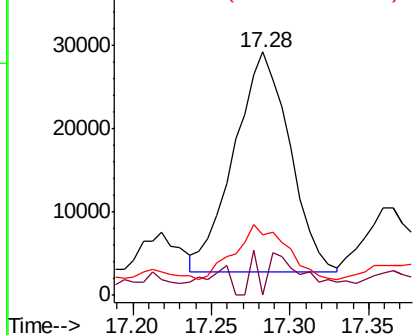


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 17.857 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	22.2	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

