

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111600.D
 Acq On : 19 Dec 2018 19:53
 Operator : JU/SJ
 Sample : J6403-33
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Manual Integrations
 APPROVED

Sohil
 12/20/2018 12:42:03 PM

Quant Time: Dec 20 10:31:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	177217	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	662260	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	331717	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	632402	20.00	ng	0.00
76) Chrysene-d12	14.04	240	477396	20.00	ng	0.00
87) Perylene-d12	15.52	264	501661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	841052	80.90	ng	0.00
7) Phenol-d6	6.52	99	1083014	81.85	ng	0.00
23) Nitrobenzene-d5	7.45	82	650779	57.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	304546	77.70	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1175725	51.66	ng	0.00
79) Terphenyl-d14	12.99	244	1153918	45.84	ng	0.00
Target Compounds						
10) Phenol	6.52	94	68008	4.555	ng	90
50) Dimethylphthalate	9.64	163	174963	7.213	ng	97
52) Acenaphthene	9.96	154	127082	6.361	ng	98
58) Fluorene	10.47	166	82936	3.813	ng	98
71) Phenanthrene	11.43	178	442585	13.196	ng	94
72) Anthracene	11.48	178	91885	2.729	ng	95
75) Fluoranthene	12.62	202	531322	15.644	ng	95
78) Pyrene	12.84	202	445996	13.229	ng	97
81) Benzo(a)anthracene	14.03	228	208161	7.640	ng	99
83) Chrysene	14.07	228	189701	7.084	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	117962m	5.182	ng	
88) Benzo(b)fluoranthene	15.09	252	253186m	8.636	ng	
89) Benzo(k)fluoranthene	15.11	252	92685m	3.321	ng	
90) Benzo(a)pyrene	15.45	252	193158m	7.252	ng	
92) Benzo(a,h,i)perylene	17.43	276	110584	4.855	ng	# 86

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

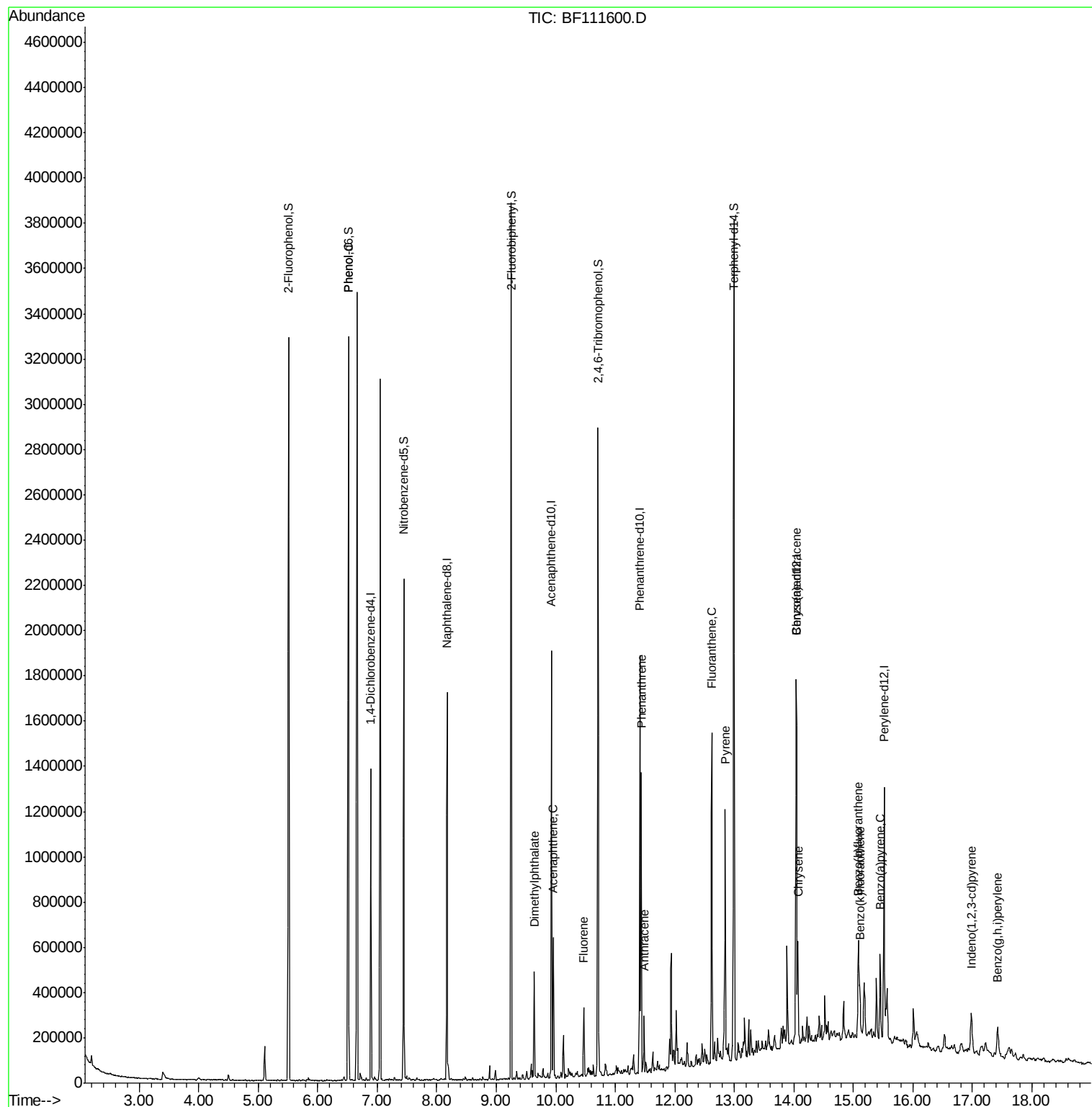
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111600.D
Acq On : 19 Dec 2018 19:53
Operator : JU/SJ
Sample : J6403-33
Misc :
ALS Vial : 4 Sample Multiplier: 1

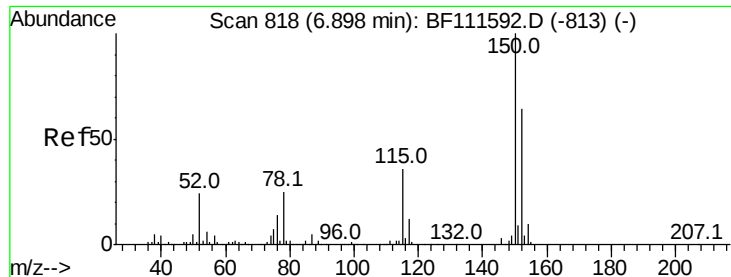
Instrument :
BNA_F
ClientSampleId :
TP-5-A

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

Quant Time: Dec 20 10:31:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration





#1

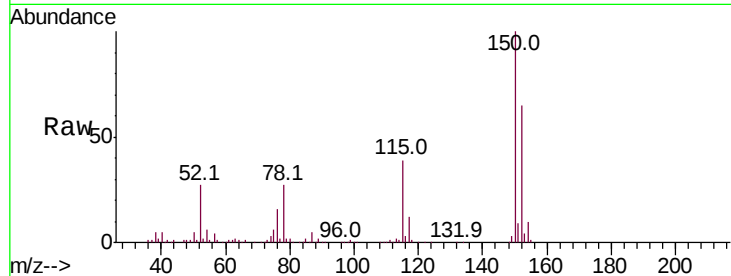
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	59.7	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

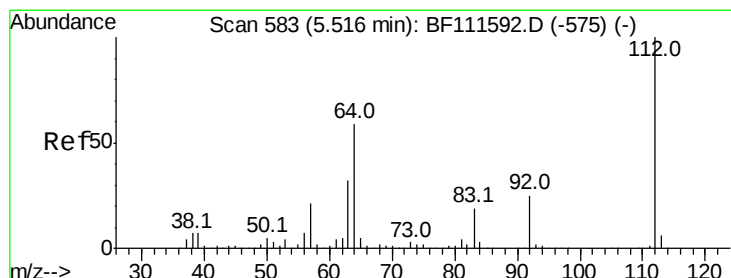
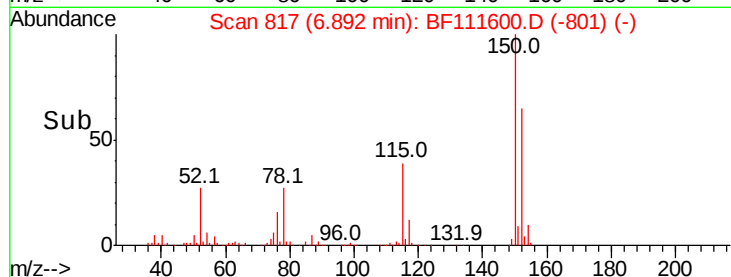
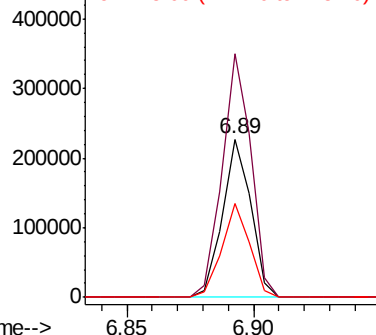


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

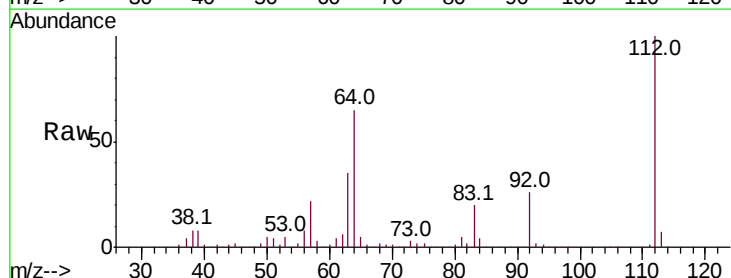
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.895 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	51.8	77.6
63	35.1	26.8	40.2

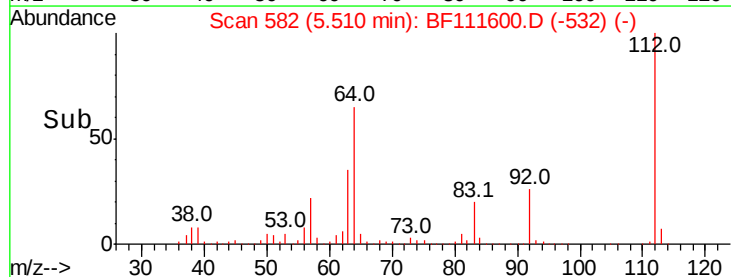
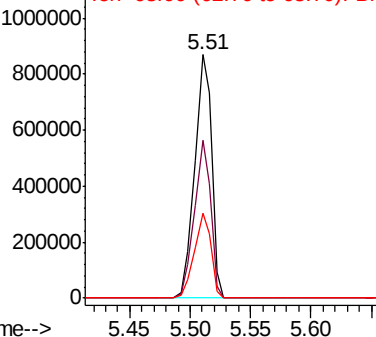


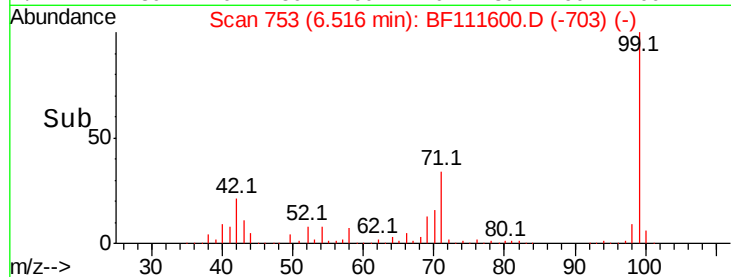
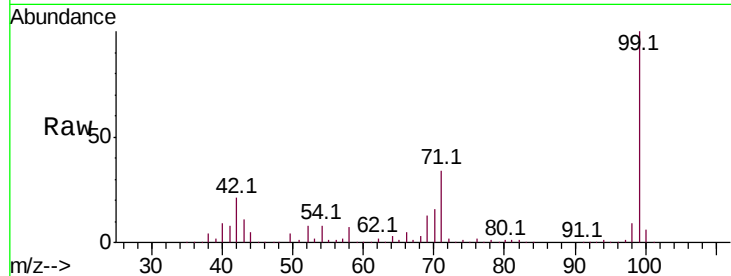
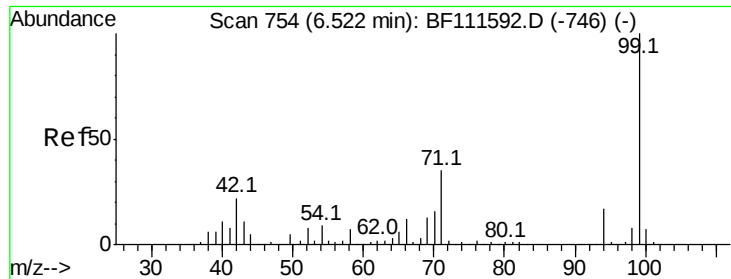
Abundance

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: 81.851 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Tot Ion:	99	Resp:	1083014
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.4	26.0
71	34.2	26.1	39.1

Instrument :

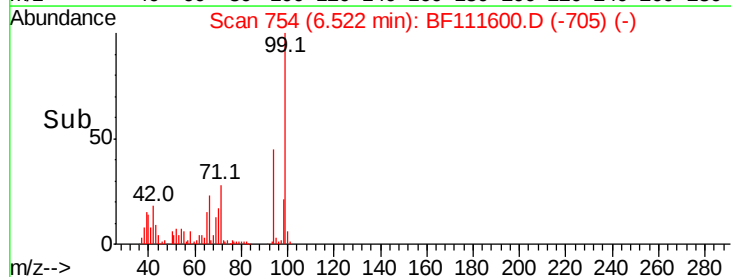
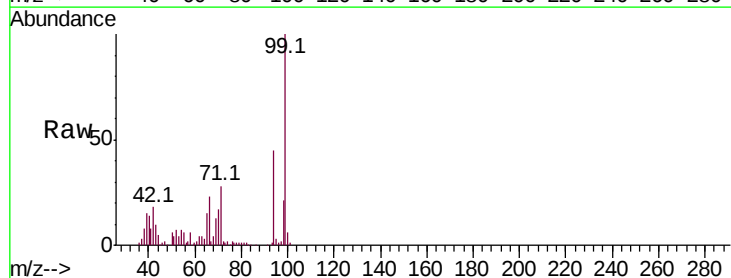
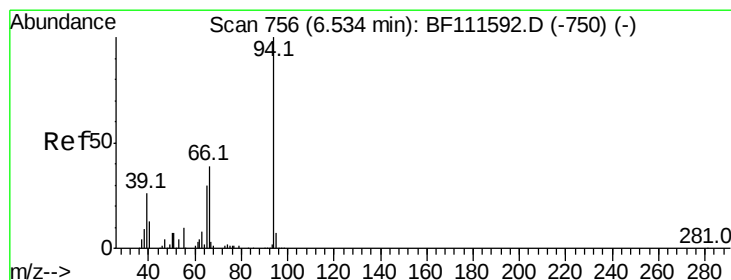
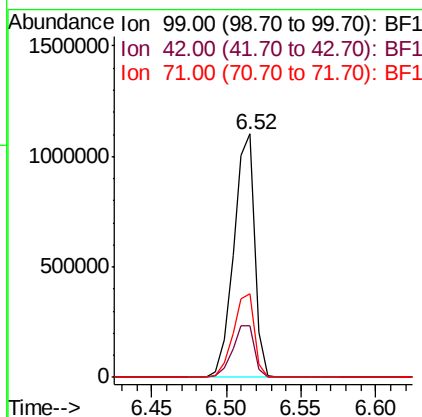
BNA_F

ClientSampled :

TP-5-A

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM



#10

Phenol

Concen: 4.555 ng

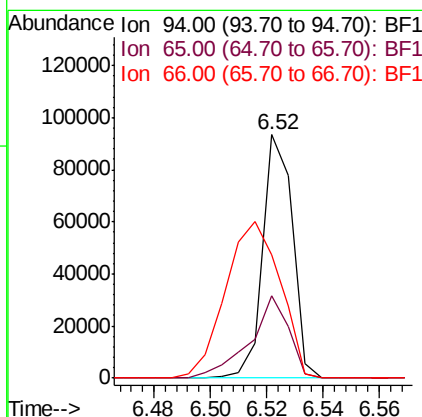
RT: 6.52 min Scan# 754

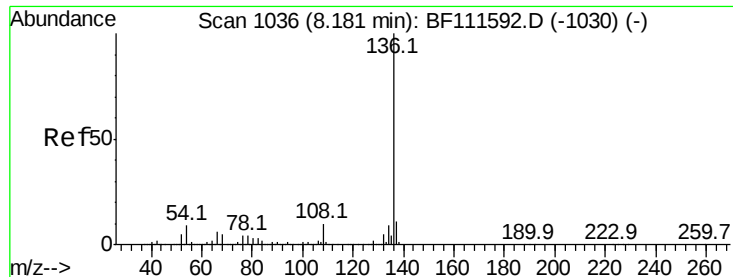
Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Tgt Ion:	94	Resp:	68008
Ion	Ratio	Lower	Upper
94	100		
65	33.7	11.7	51.7
66	50.7	21.0	61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Instrument :

BNA_F

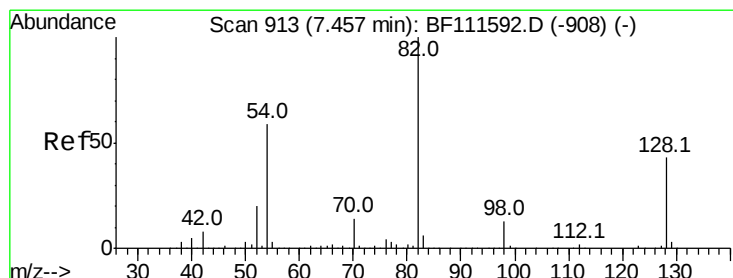
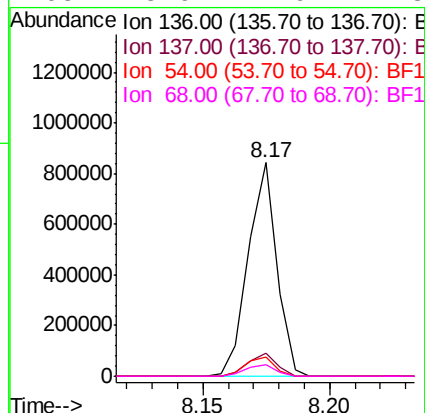
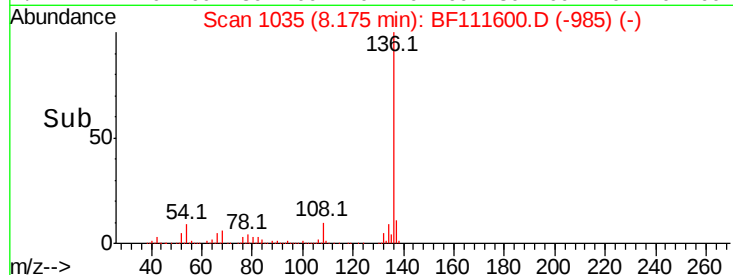
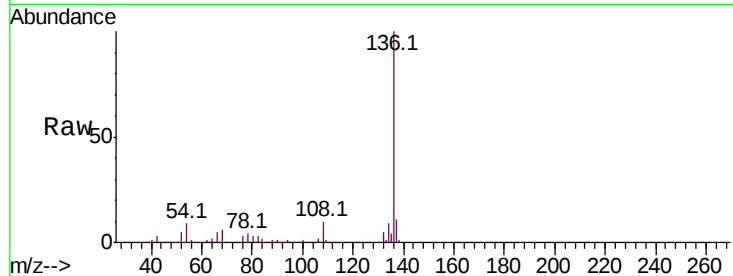
ClientSampleId :

TP-5-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	662260		
137	10.6		9.1	13.7
54	9.0		7.7	11.5
68	5.6		4.9	7.3

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM



#23

Nitrobenzene-d5

Concen: 57.199 ng

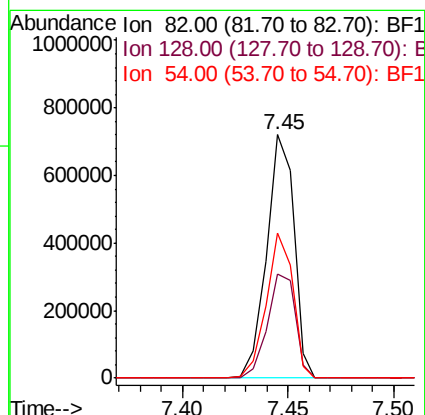
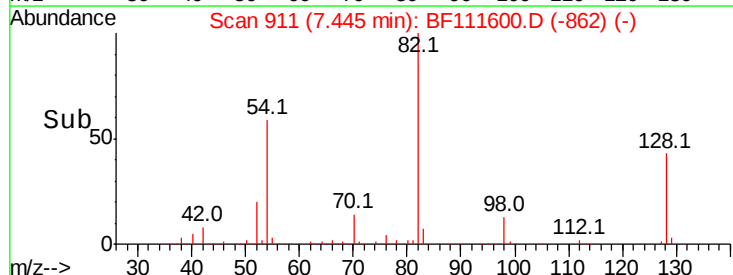
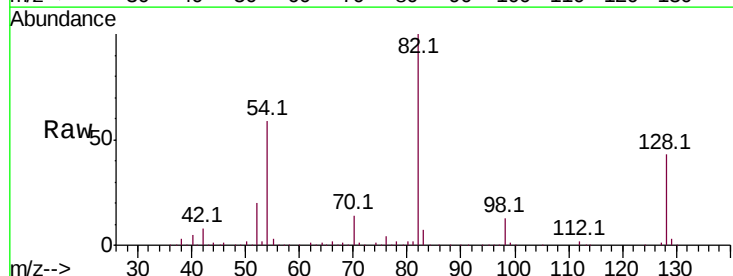
RT: 7.45 min Scan# 911

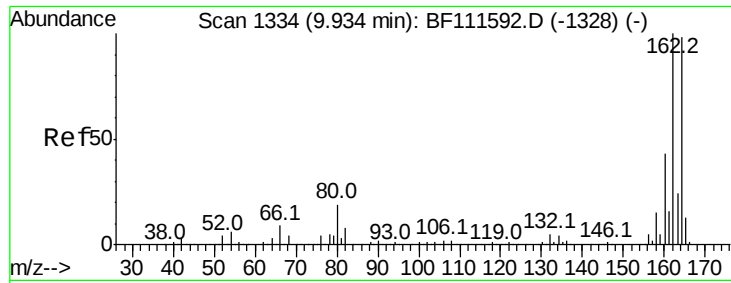
Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	650779		
128	43.0		37.4	56.2
54	59.4		47.6	71.4





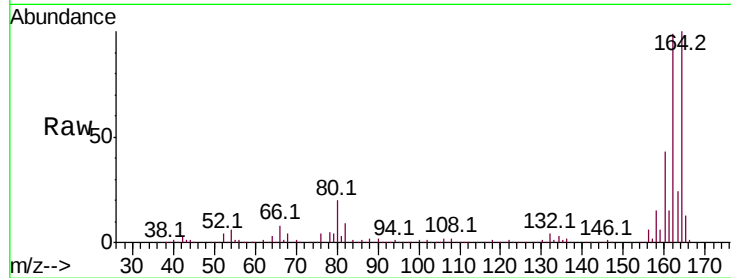
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	331717		
162	99.5	81.4	122.0	
160	43.5	35.7	53.5	

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

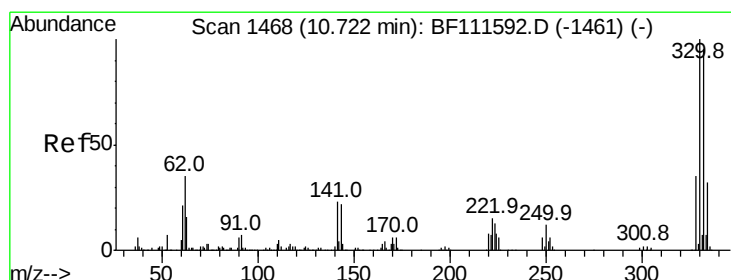
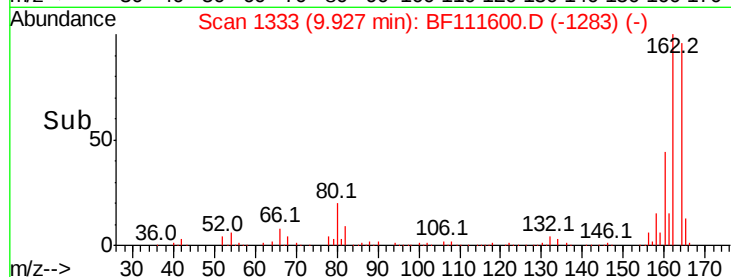
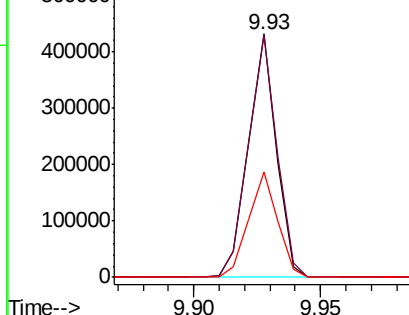


Abundance

Ion 164.00 (163.70 to 164.70): E

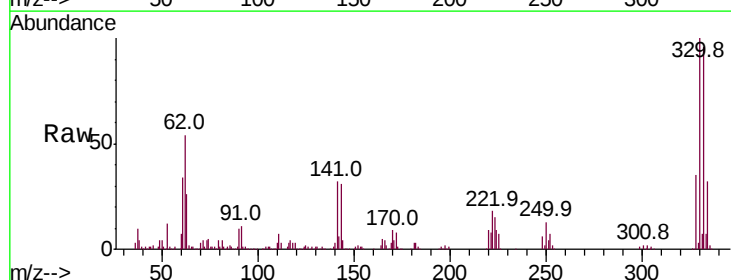
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 77.700 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	304546		
332	96.1	76.0	114.0	
141	30.5	31.0	46.6#	

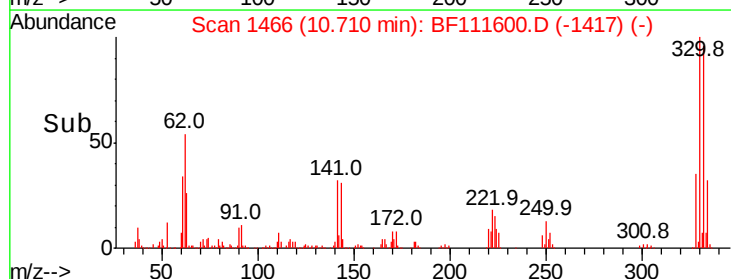
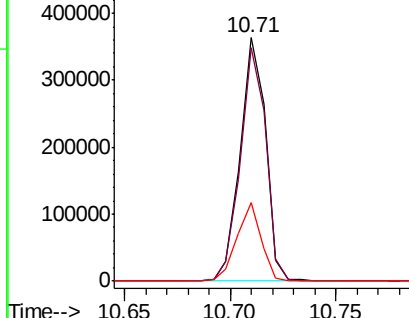


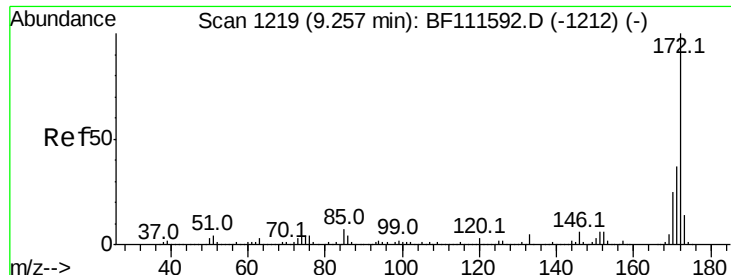
Abundance

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





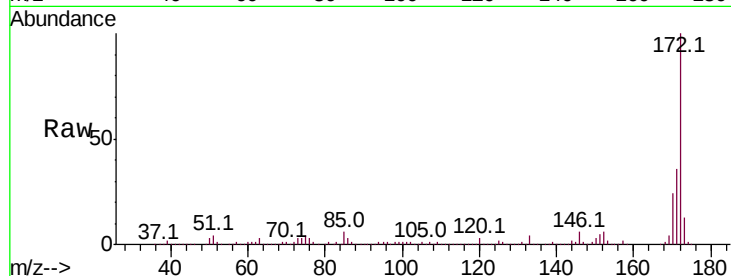
#45
2-Fluorobiphenyl
Concen: 51.662 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampled :
TP-5-A

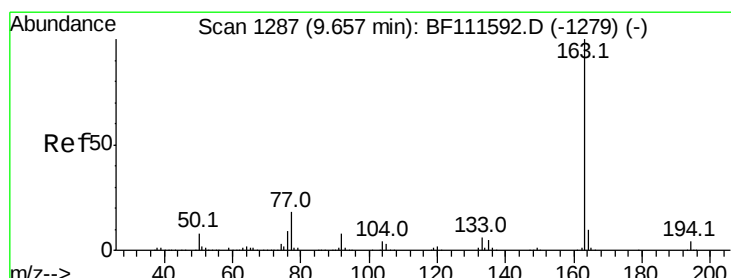
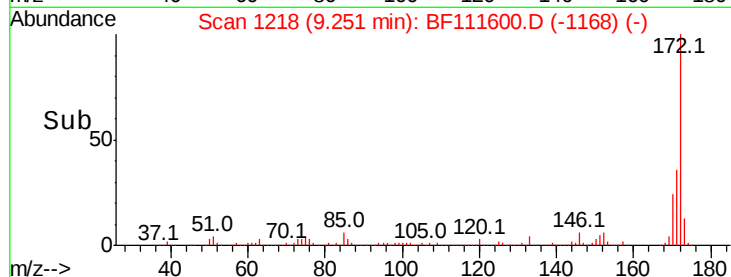
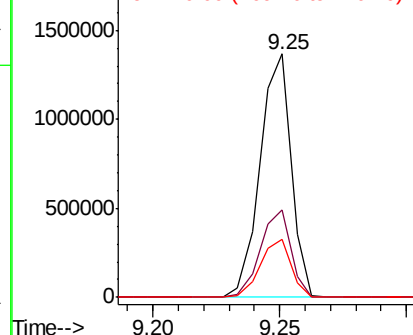
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	23.6	22.3	33.5

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

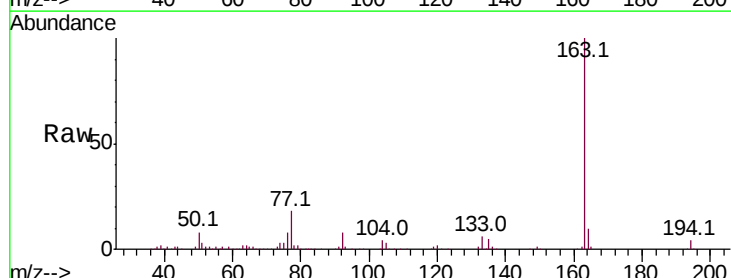


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

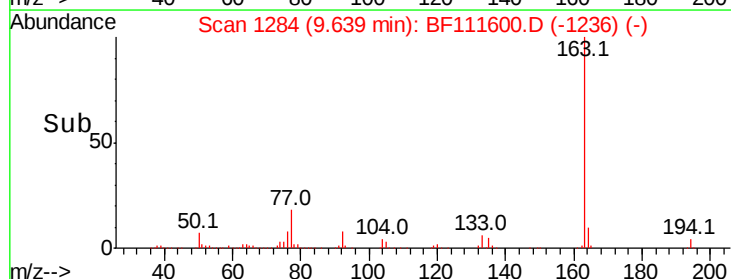
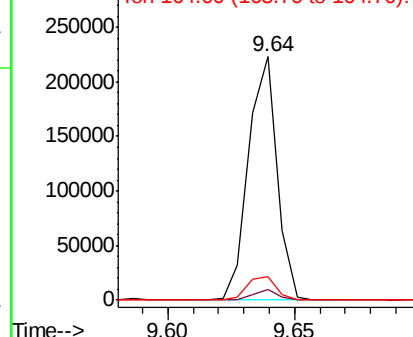


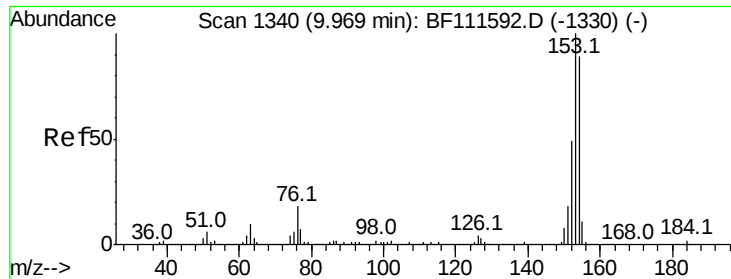
#50
Dimethylphthalate
Concen: 7.213 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.6	8.9	13.3



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





#52

Acenaphthene

Concen: 6.361 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Instrument :

BNA_F

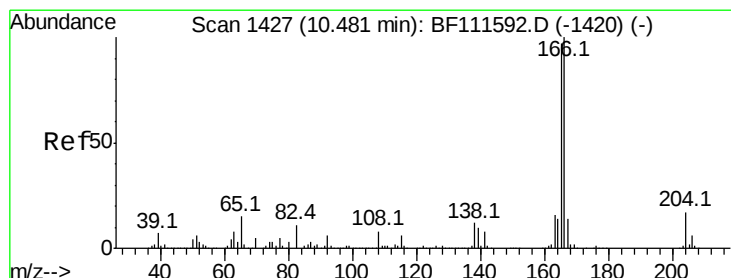
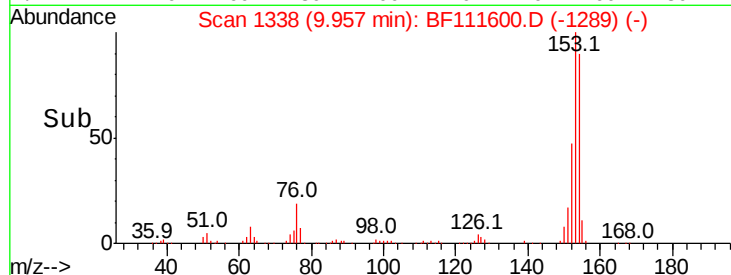
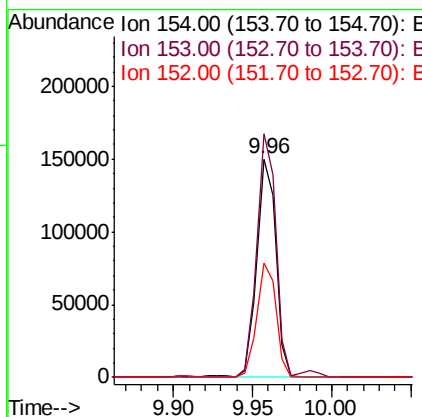
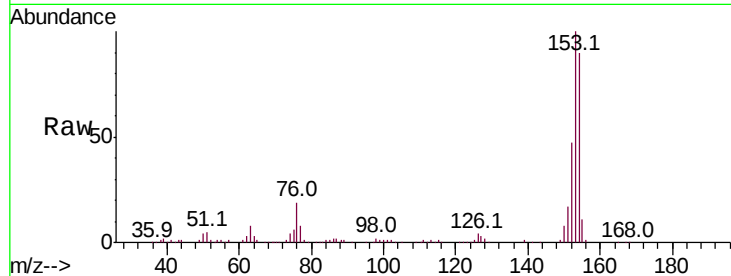
ClientSampleId :

TP-5-A

Tot Ion:	154	Resp:	127082
Ion Ratio	Lower	Upper	
154	100		
153	111.6	87.8	131.8
152	52.4	43.4	65.2

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM



#58

Fluorene

Concen: 3.813 ng

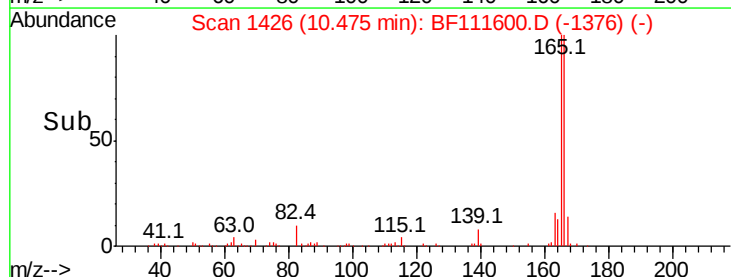
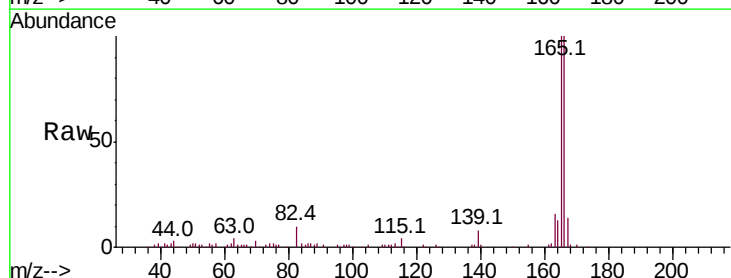
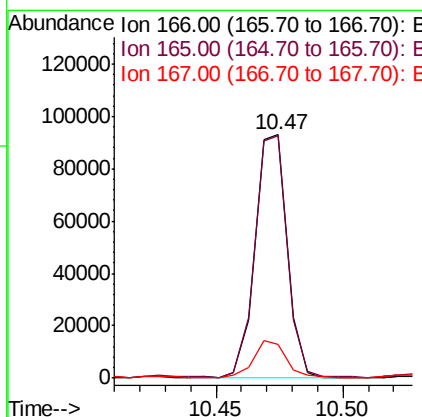
RT: 10.47 min Scan# 1426

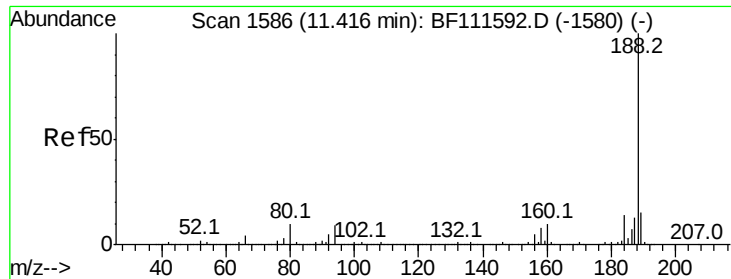
Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Tgt Ion:	166	Resp:	82936
Ion Ratio	Lower	Upper	
166	100		
165	99.7	78.4	117.6
167	13.9	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Instrument :

BNA_F

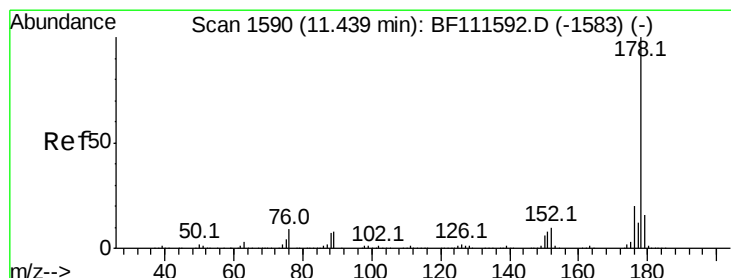
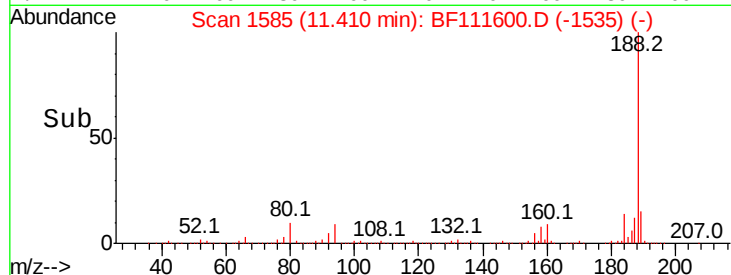
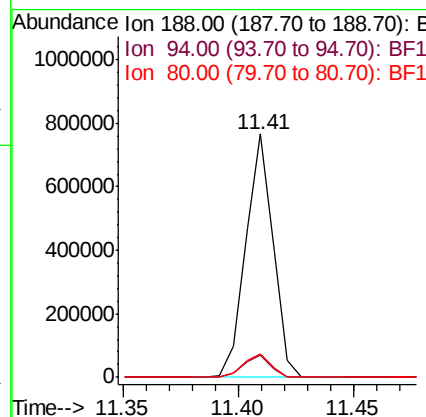
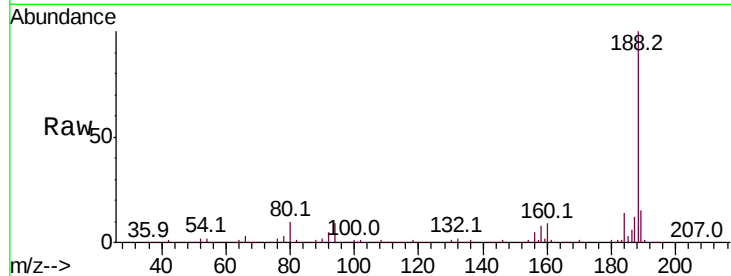
ClientSampled :

TP-5-A

Tot Ion:	188	Resp:	632402
Ion Ratio	Lower	Upper	
188	100		
94	8.9	9.6	14.4#
80	9.7	9.8	14.6#

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM



#71

Phenanthrene

Concen: 13.196 ng

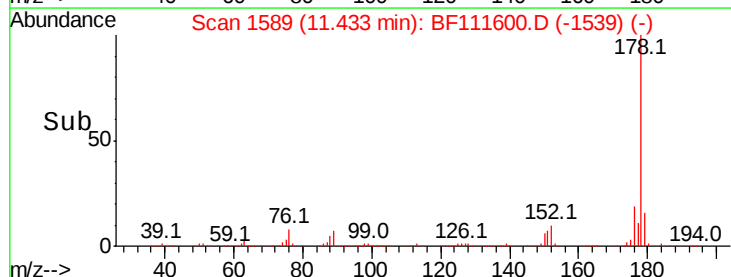
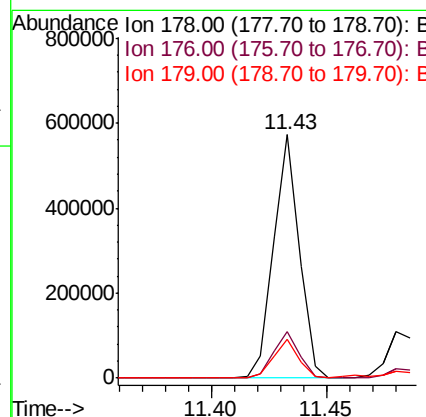
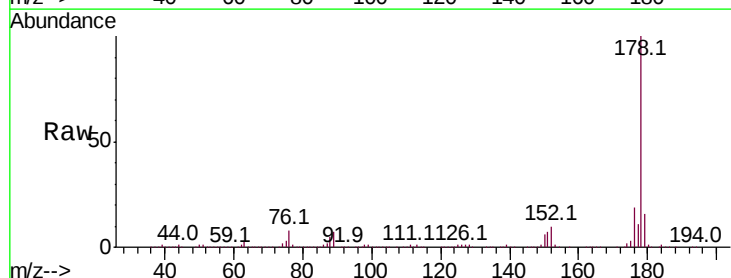
RT: 11.43 min Scan# 1589

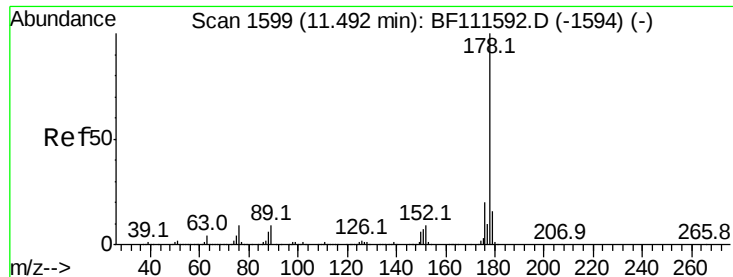
Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Tgt Ion:	178	Resp:	442585
Ion Ratio	Lower	Upper	
178	100		
176	18.9	18.1	27.1
179	16.0	14.0	21.0





#72

Anthracene

Concen: 2.729 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Instrument :

BNA_F

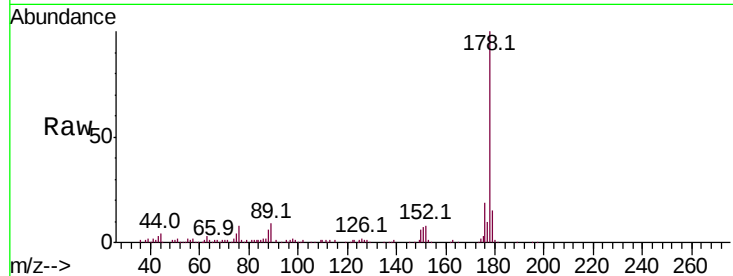
ClientSampled :

TP-5-A

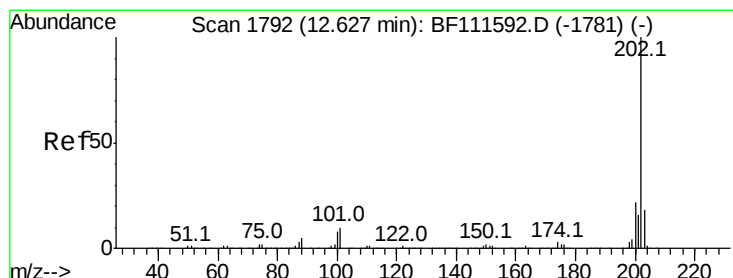
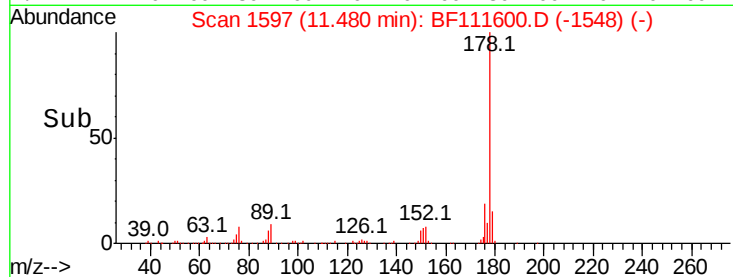
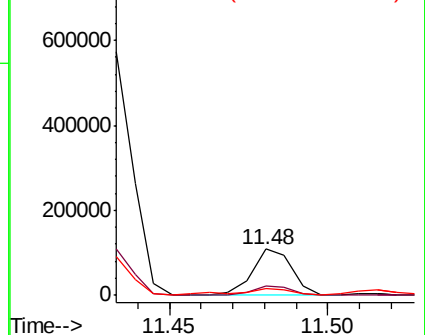
Tot Ion:	178	Resp:	91885
Ion Ratio	Lower	Upper	
178	100		
176	19.4	17.2	25.8
179	15.2	13.8	20.8

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM



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



#75

Fluoranthene

Concen: 15.644 ng

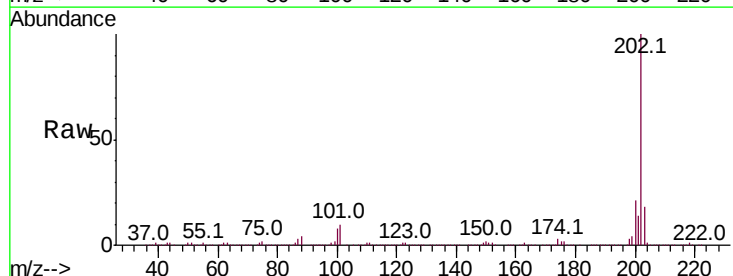
RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

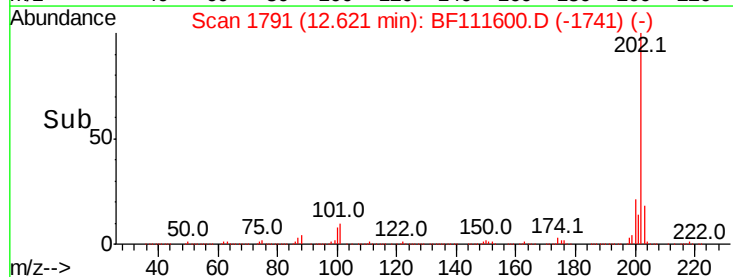
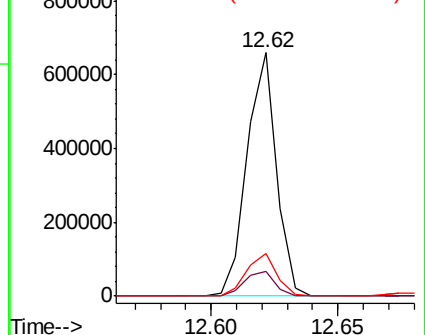
Lab File: BF111600.D

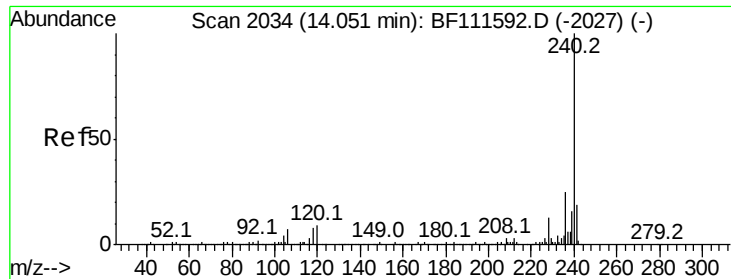
Acq: 19 Dec 2018 19:53

Tgt Ion:	202	Resp:	531322
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	33.8
203	17.6	0.0	38.6



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





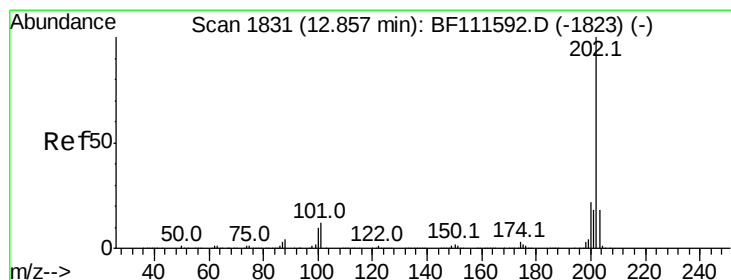
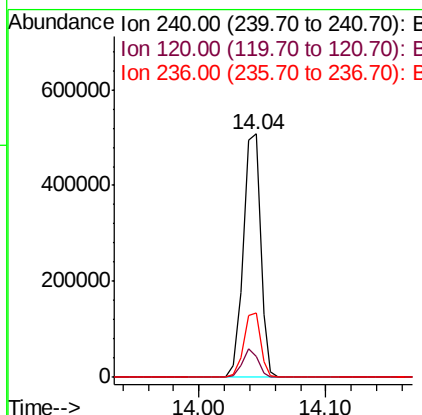
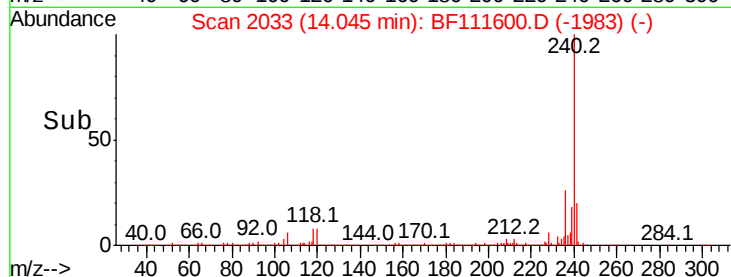
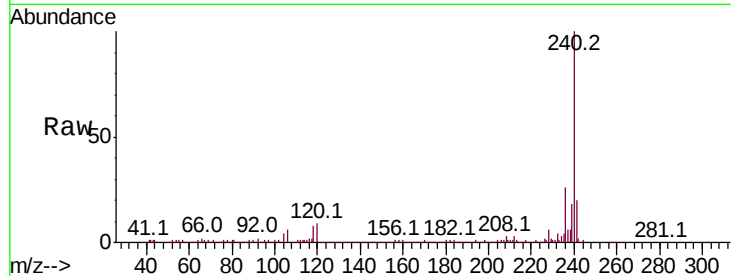
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF111600.D
 Acq: 19 Dec 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	12.2	18.2#
236	26.4	20.2	30.2

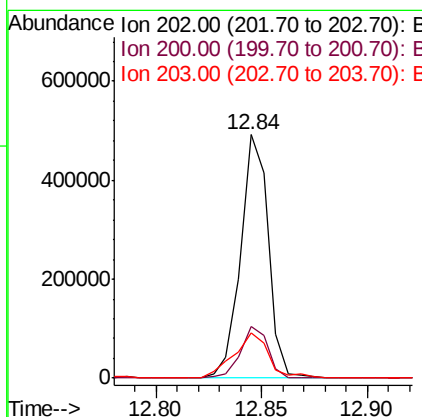
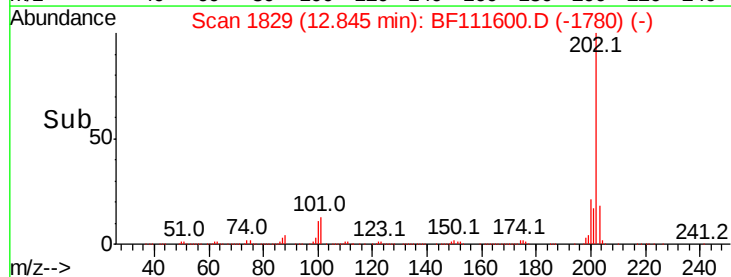
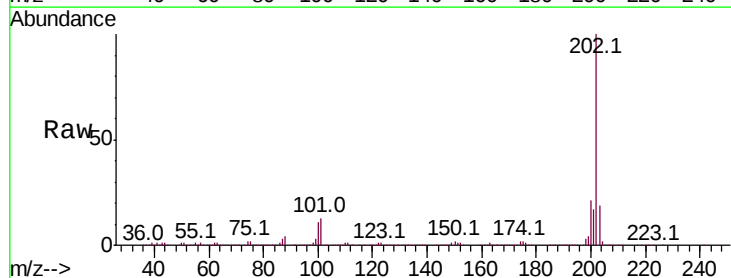
Manual Integrations
 APPROVED

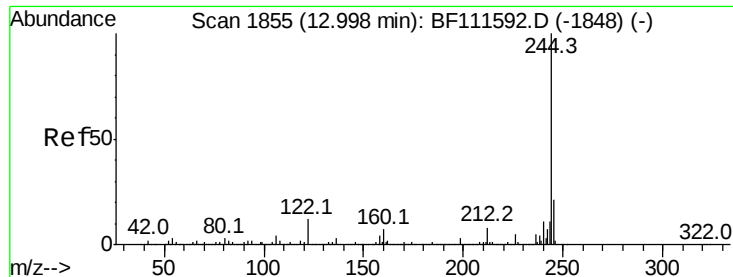
Sohil
 12/20/2018 12:42:03 PM



#78
 Pyrene
 Concen: 13.229 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF111600.D
 Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	19.0	28.4
203	18.6	15.2	22.8





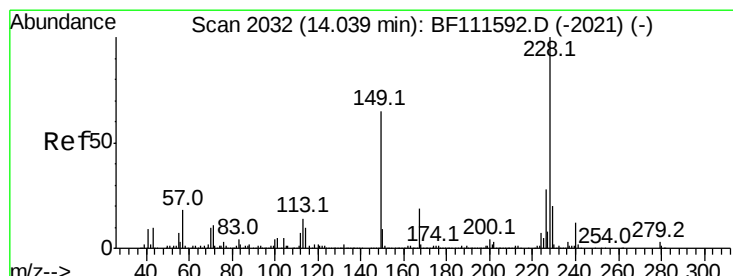
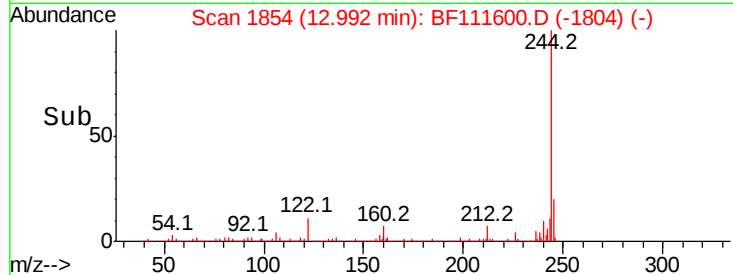
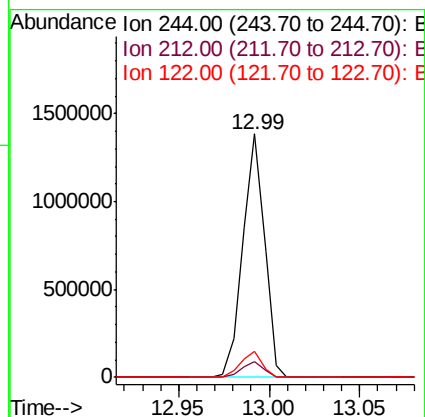
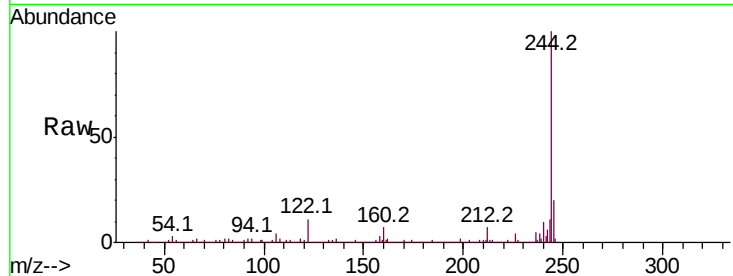
#79
 Terphenyl-d14
 Concen: 45.838 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111600.D
 Acq: 19 Dec 2018 19:53

Instrument :
 BNA_F
 ClientSampled :
 TP-5-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.7	13.1	19.7

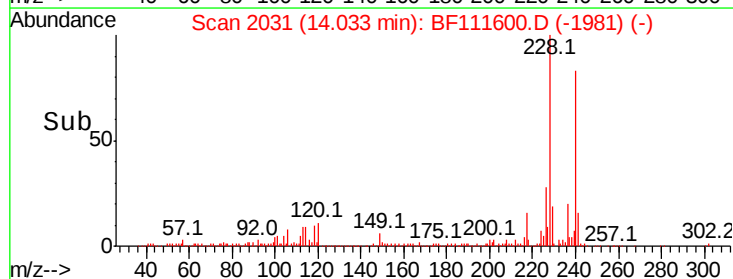
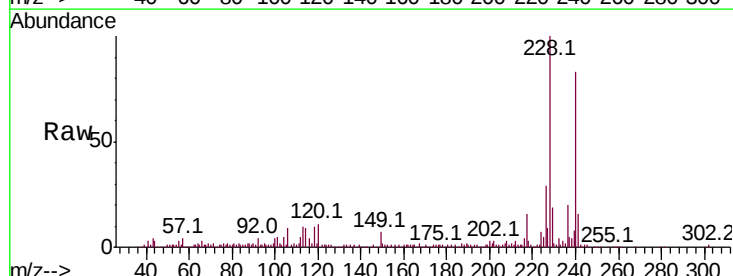
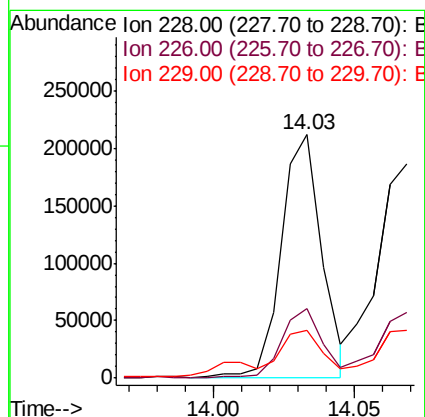
Manual Integrations
 APPROVED

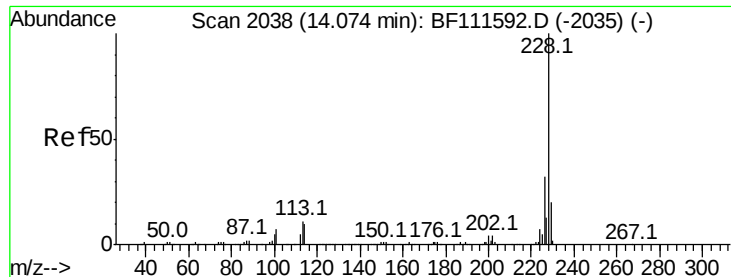
Sohil
 12/20/2018 12:42:03 PM



#81
 Benzo(a)anthracene
 Concen: 7.640 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF111600.D
 Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	19.5	16.3	24.5





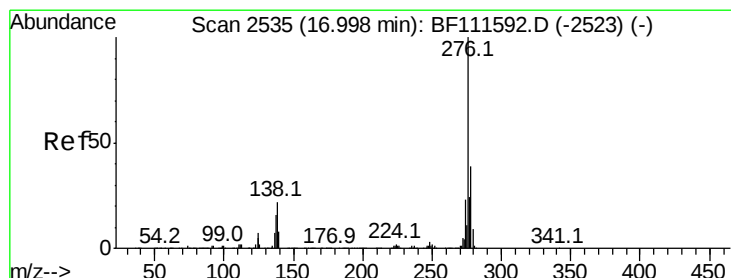
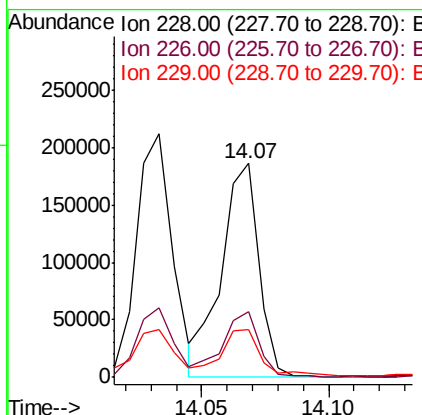
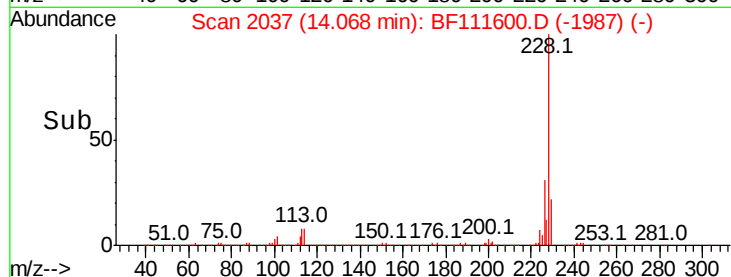
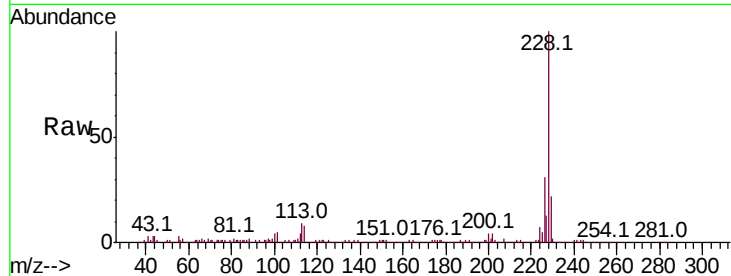
#83
Chrysene
Concen: 7.084 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.3	37.9
229	22.3	17.2	25.8

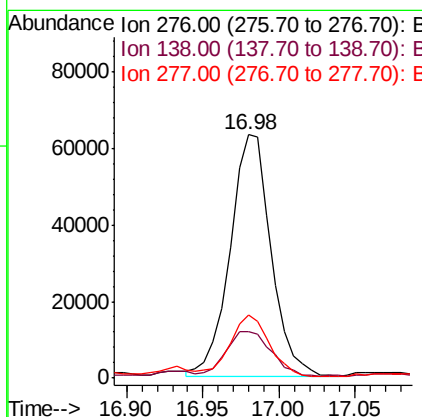
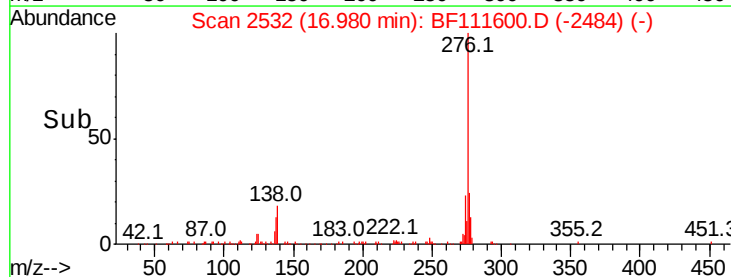
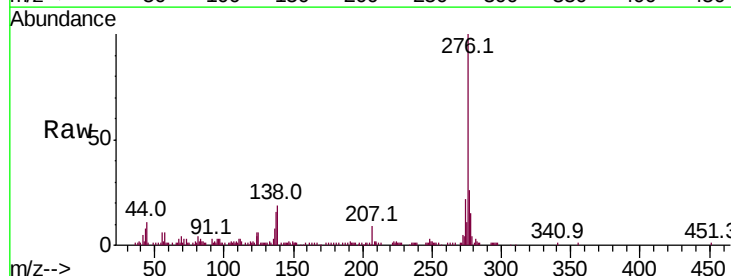
Manual Integrations
APPROVED

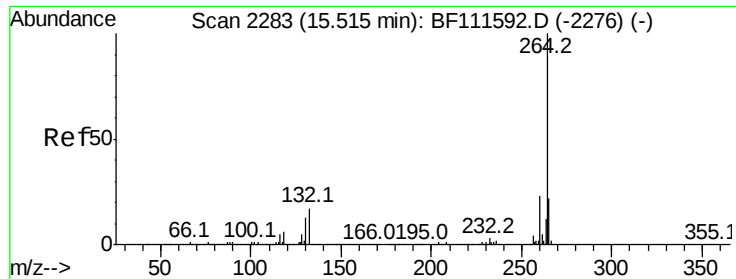
Sohil
12/20/2018 12:42:03 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.182 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.5	27.8	41.6#
277	5.5	20.1	30.1#





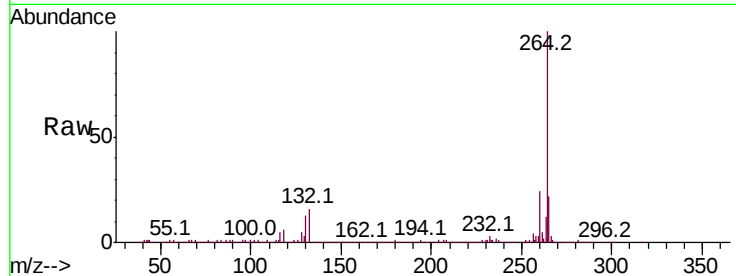
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampled :
TP-5-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.1	17.7	26.5

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

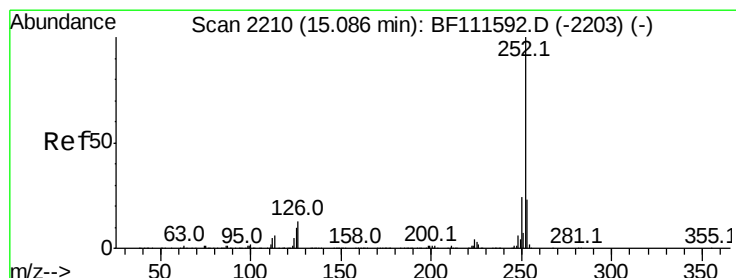
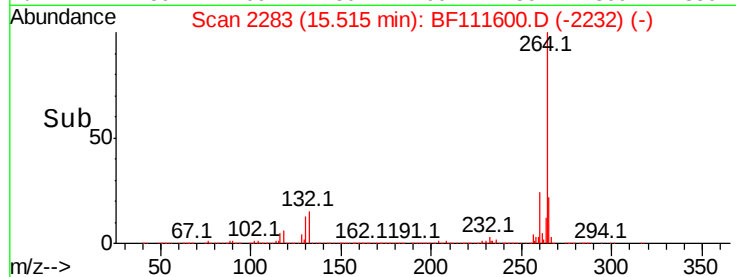
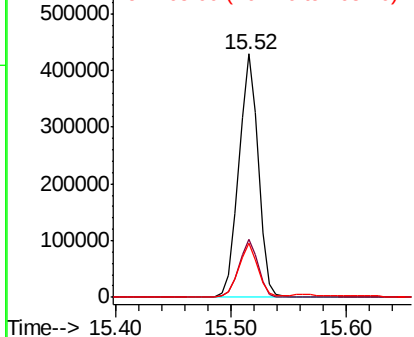


Abundance

Ion 264.00 (263.70 to 264.70): E

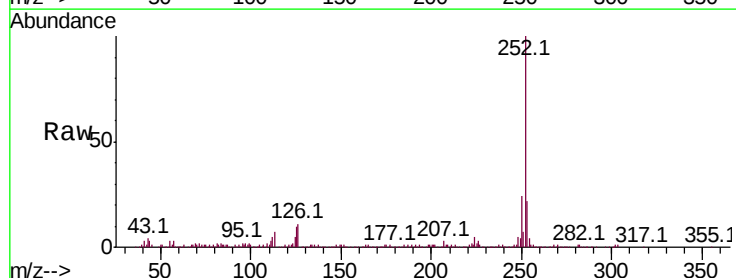
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 8.636 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	10.4	10.4	15.6#

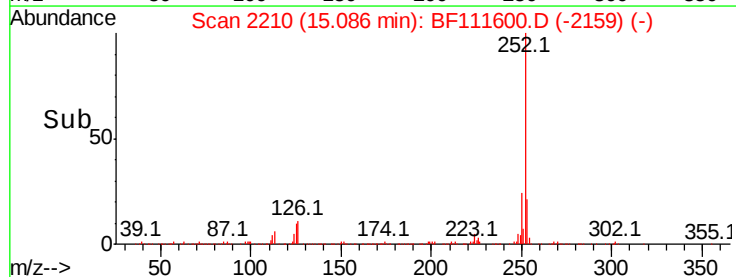
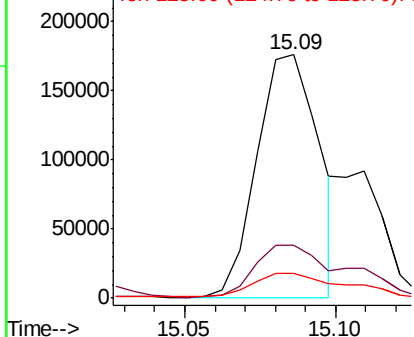


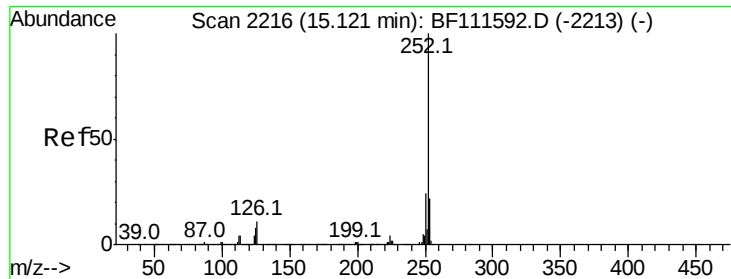
Abundance

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





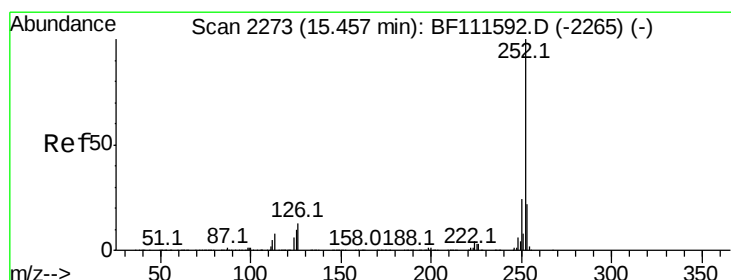
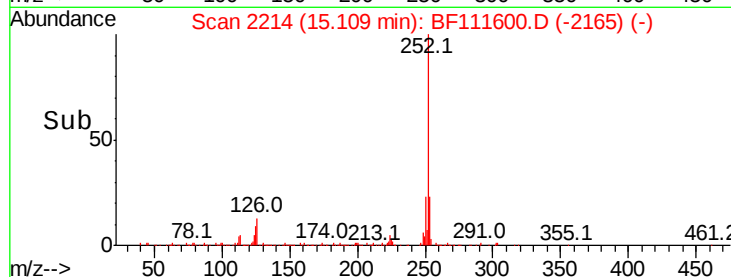
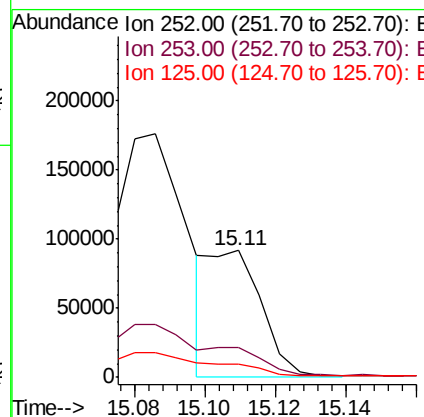
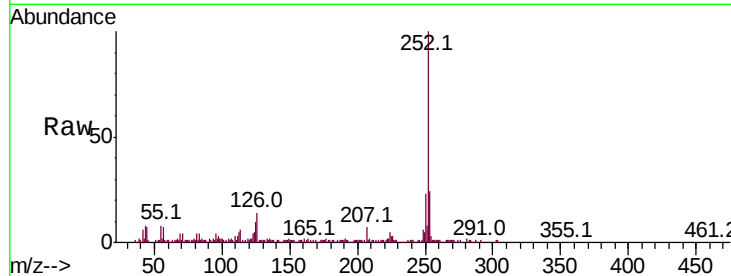
#89
Benzo(k)fluoranthene
Concen: 3.321 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	10.1	9.8	14.8

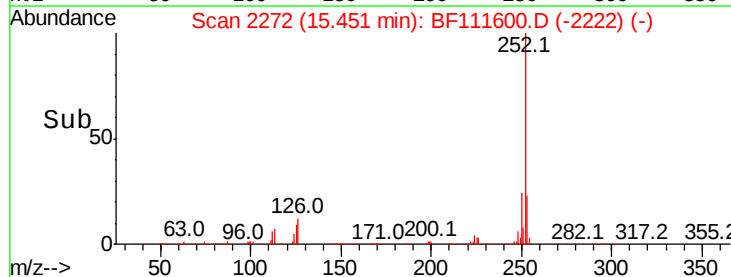
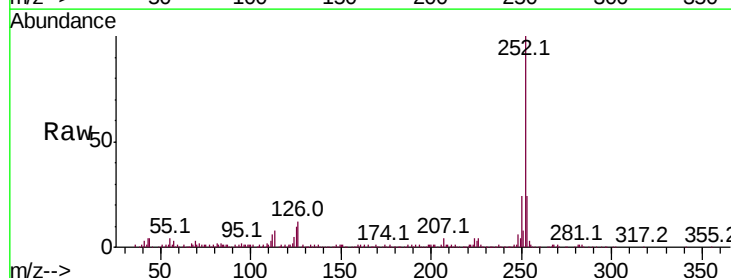
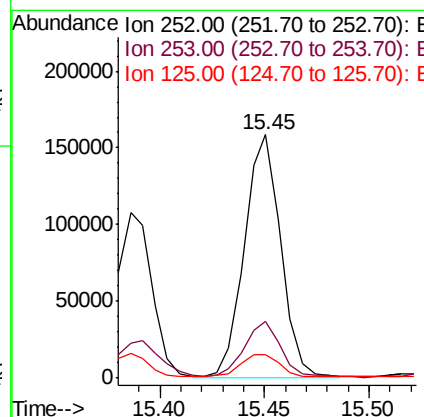
Manual Integrations
APPROVED

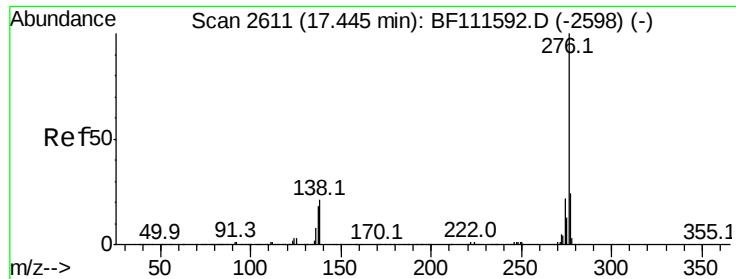
Sohil
12/20/2018 12:42:03 PM



#90
Benzo(a)pyrene
Concen: 7.252 ng m
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF111600.D
Acq: 19 Dec 2018 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	9.5	12.3	18.5





#92

Benzo(a,h,i)perylene

Concen: 4.855 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.02 min

Lab File: BF111600.D

Acq: 19 Dec 2018 19:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.6	19.2	28.8
138	19.1	24.9	37.3

Manual Integrations
APPROVED

Sohil
12/20/2018 12:42:03 PM

