

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086396.D
 Acq On : 23 Apr 2016 17:58
 Operator : UM/SJ
 Sample : H2640-31
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B5(0-15)-C

Manual Integrations
 APPROVED

sohil
 4/25/2016 12:36:03 PM

Quant Time: Apr 25 06:01:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	183330	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	694417	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	286892	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	457338	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	359381	20.00	ng	0.00
86) Perylene-d12	15.41	264	298072	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1257001	118.41	ng	0.02
7) Phenol-d6	6.48	99	1449825	100.46	ng	0.00
23) Nitrobenzene-d5	7.40	82	953734	81.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	260994	100.50	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1471930	87.55	ng	0.00
78) Terphenyl-d14	12.94	244	931229	64.38	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	236334	11.40	ng	99
51) Acenaphthene	9.90	154	139116	7.93	ng	96
54) Dibenzofuran	10.09	168	89214	3.96	ng	93
57) Fluorene	10.42	166	137243	7.43	ng	99
70) Phenanthrene	11.39	178	1129184	49.14	ng	100
71) Anthracene	11.44	178	578822	21.98	ng	99
72) Carbazole	11.60	167	71423	2.89	ng	97
74) Fluoranthene	12.58	202	1318411	53.20	ng	98
77) Pyrene	12.80	202	1333920	53.22	ng	96
80) Benzo(a)anthracene	13.99	228	776055	41.60	ng	98
82) Chrysene	14.02	228	550198m	26.18	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	241022	12.90	ng	96
87) Benzo(b)fluoranthene	15.01	252	636403m	38.90	ng	
88) Benzo(k)fluoranthene	15.03	252	246713m	15.36	ng	
89) Benzo(a)pyrene	15.36	252	496302	30.75	ng	98
90) Dibenzo(a,h)anthracene	16.80	278	49812	3.74	ng	# 87
91) Benzo(a,h,i)perylene	17.20	276	225233	16.39	ng	98

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

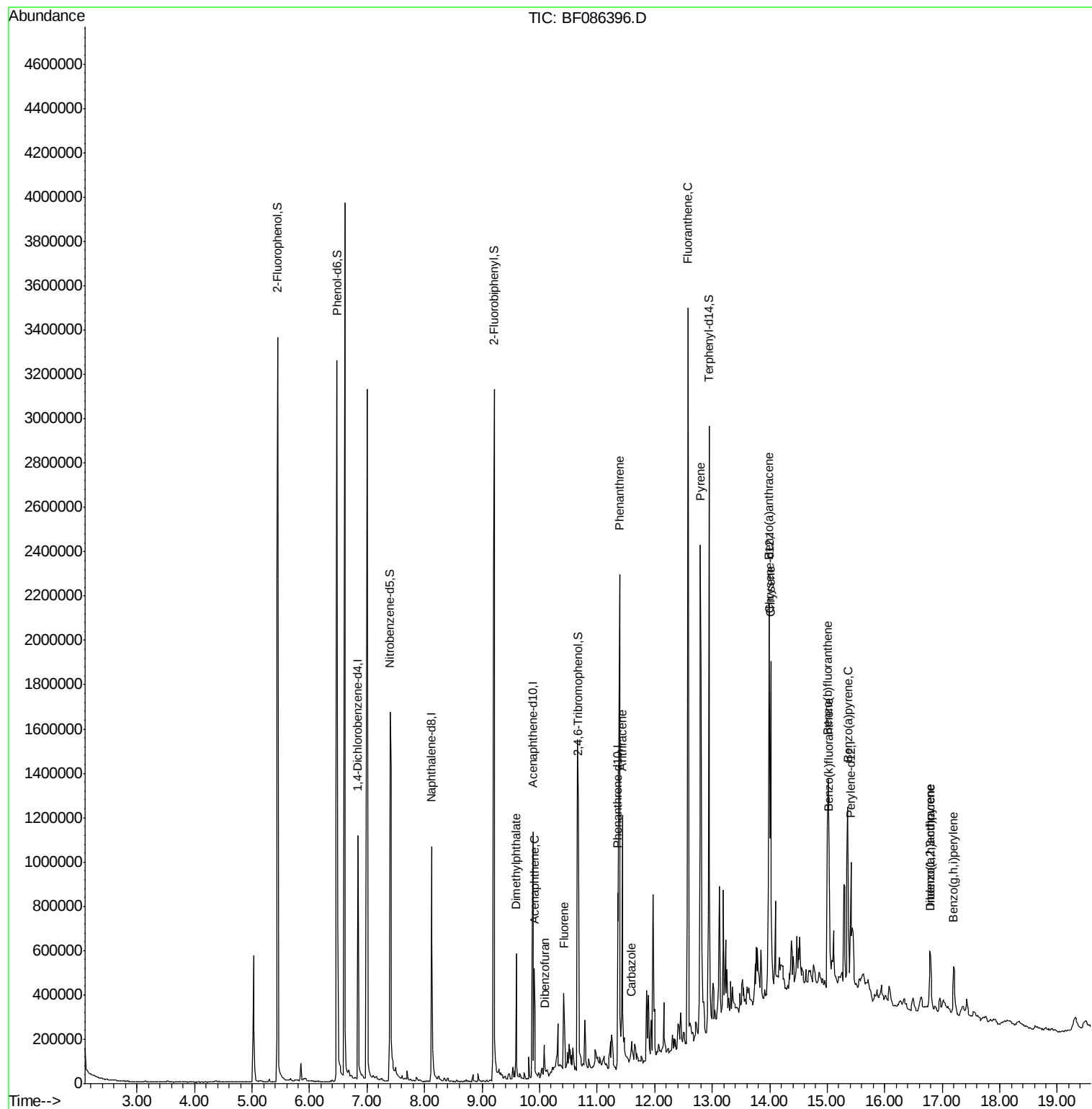
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
Data File : BF086396.D
Acq On : 23 Apr 2016 17:58
Operator : UM/SJ
Sample : H2640-31
Misc :
ALS Vial : 40 Sample Multiplier: 1

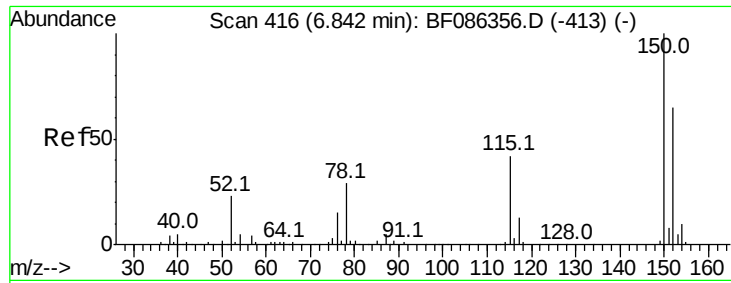
Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM

Quant Time: Apr 25 06:01:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 23 00:24:02 2016
Response via : Initial Calibration





#1

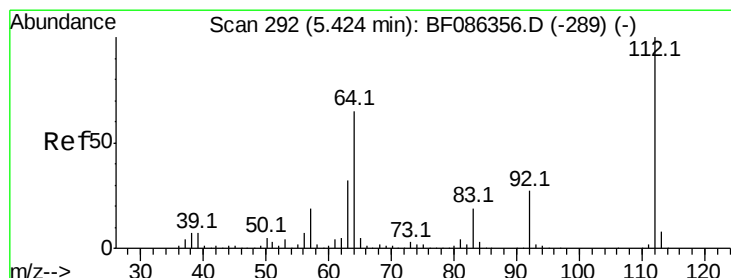
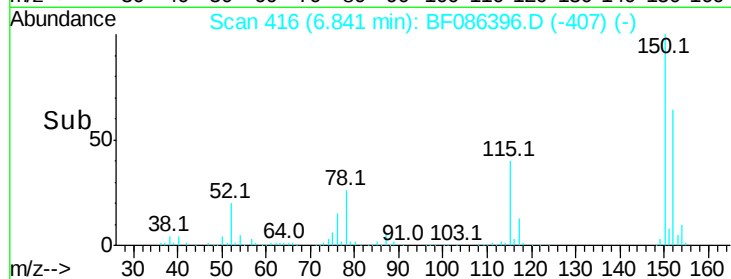
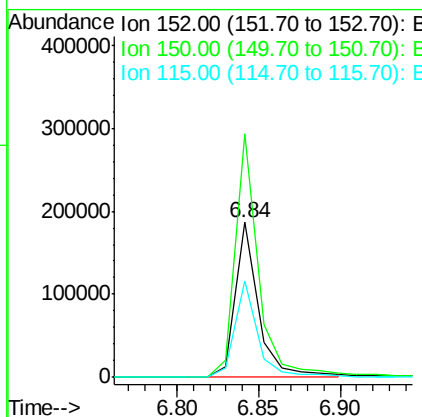
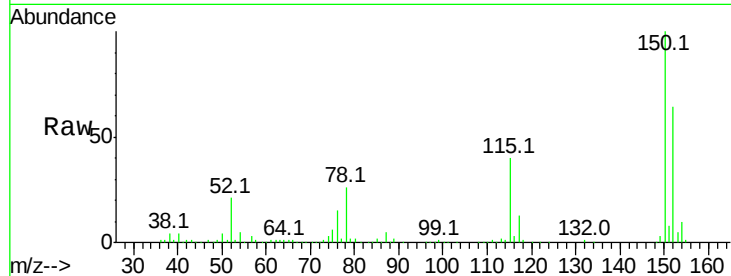
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	183330		
150	157.3	125.8	188.6	
115	62.1	51.5	77.3	

Manual Integrations
APPROVED

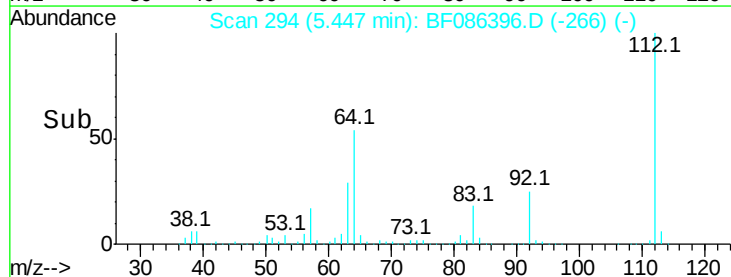
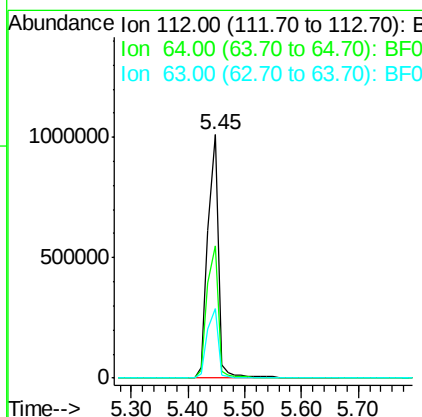
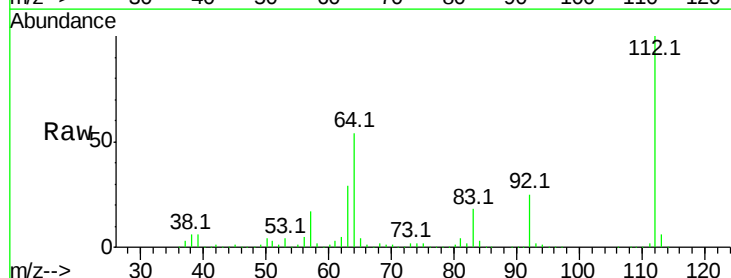
sohil
4/25/2016 12:36:03 PM

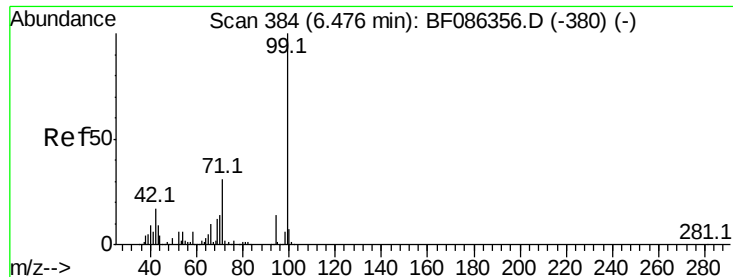


#5

2-Fluorophenol
Concen: 118.41 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.02 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1257001		
64	54.2	52.1	78.1	
63	28.6	25.7	38.5	





#7

Phenol-d6

Concen: 100.46 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B5(0-15)-C

Tot Ion: 99 Resp: 1449825

Ion Ratio Lower Upper

99 100

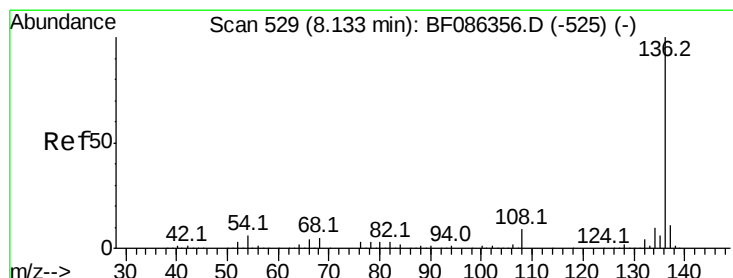
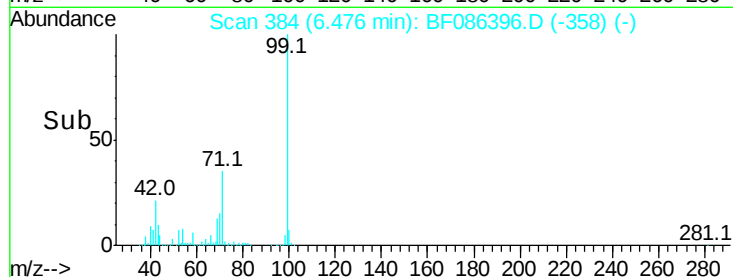
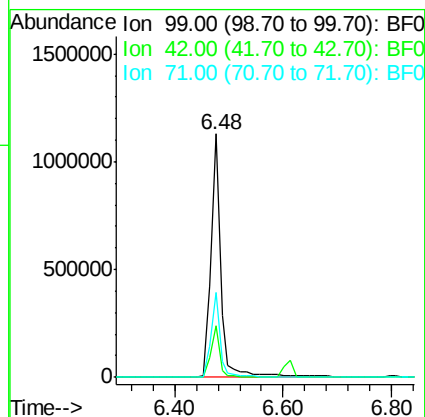
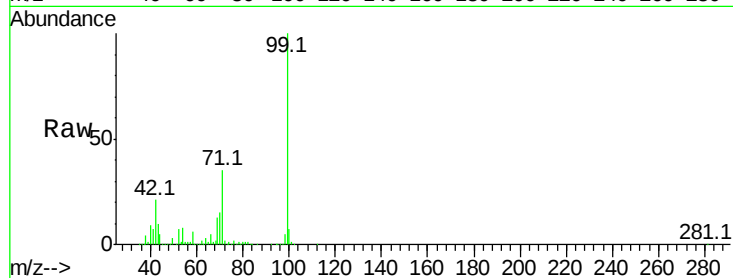
42 21.4 13.6 20.4#

71 35.0 24.6 36.8

Manual Integrations
APPROVED

sohil

4/25/2016 12:36:03 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Tgt Ion: 136 Resp: 694417

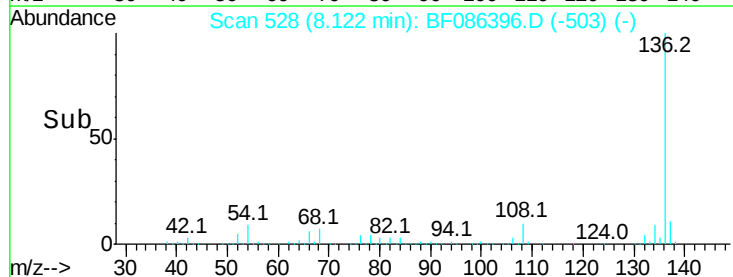
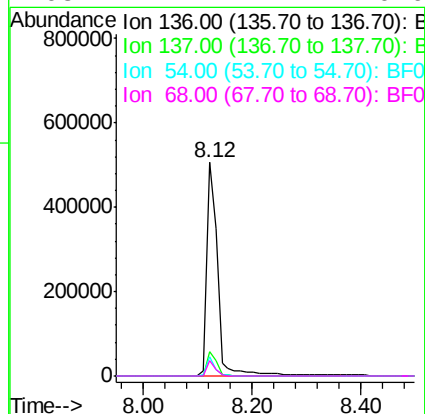
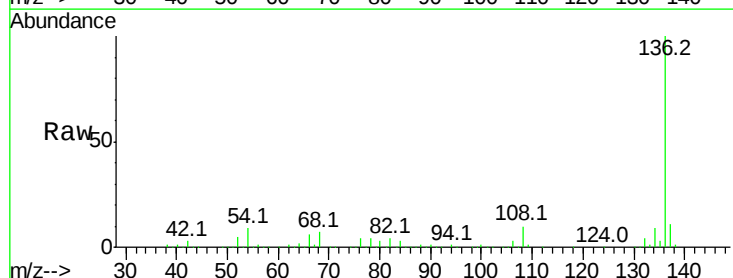
Ion Ratio Lower Upper

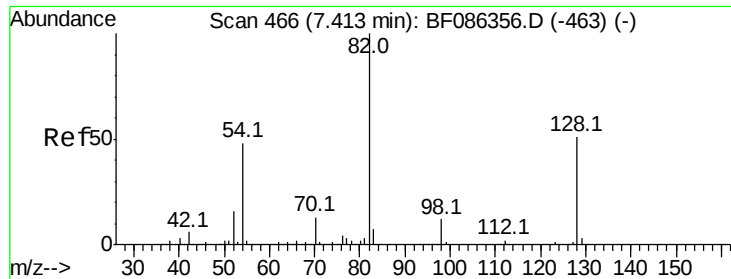
136 100

137 11.2 8.8 13.2

54 9.2 5.0 7.4#

68 7.4 4.4 6.6#





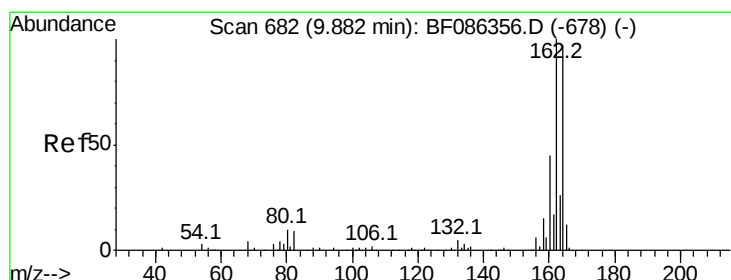
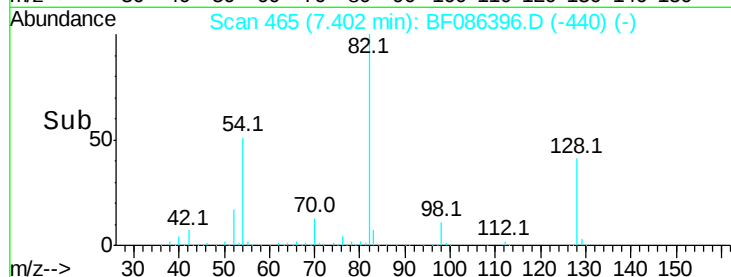
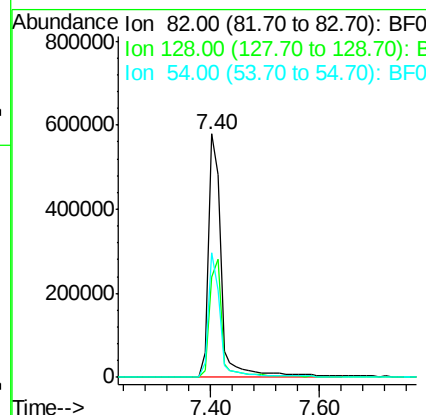
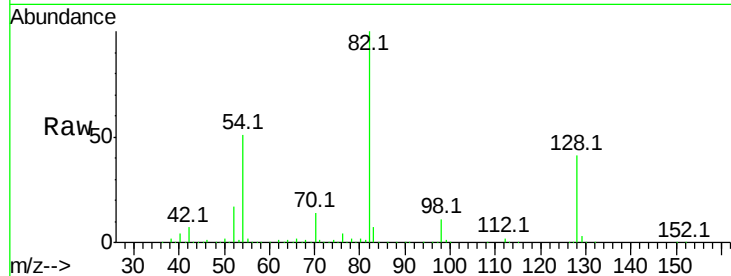
#23
 Nitrobenzene-d5
 Concen: 81.36 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.3	40.6	61.0	
54	51.2	38.1	57.1	

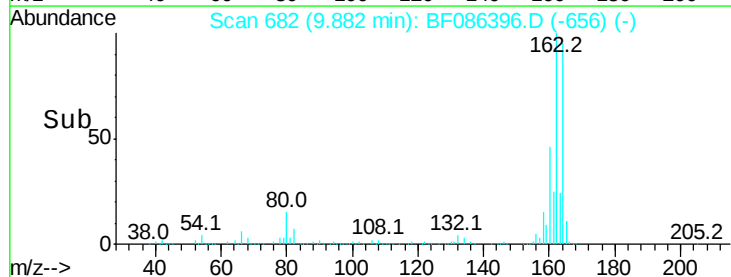
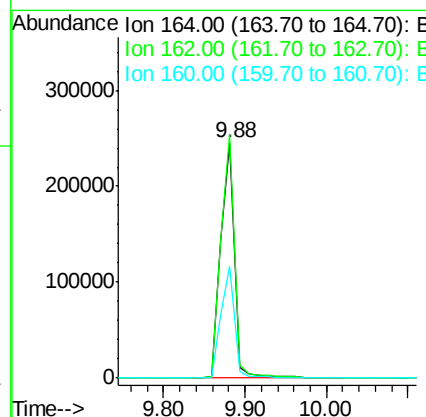
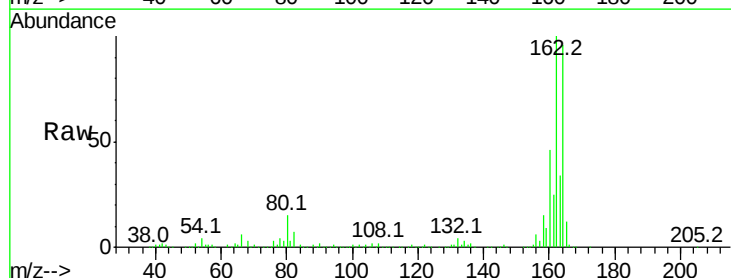
Manual Integrations
 APPROVED

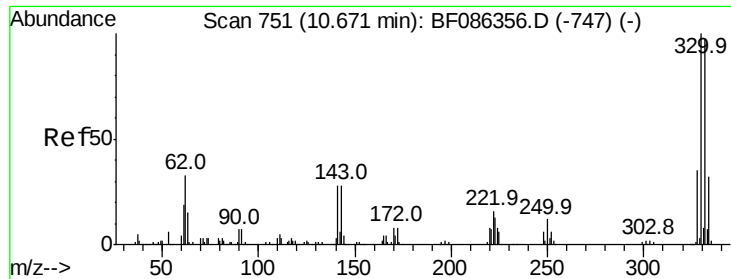
sohil
 4/25/2016 12:36:03 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	82.8	124.2	
160	47.4	36.9	55.3	





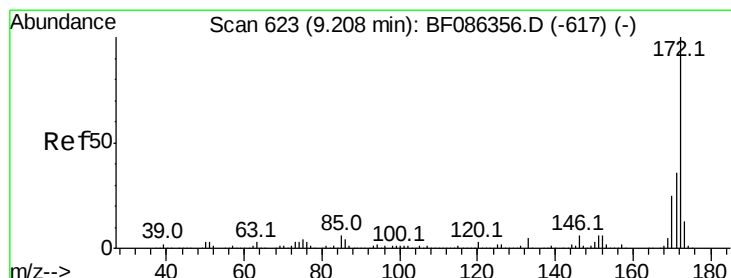
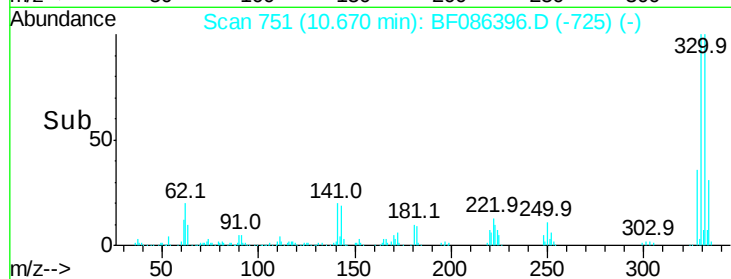
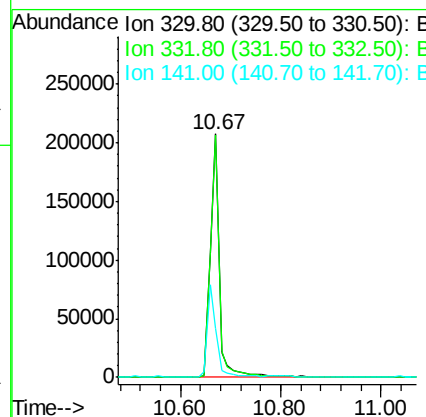
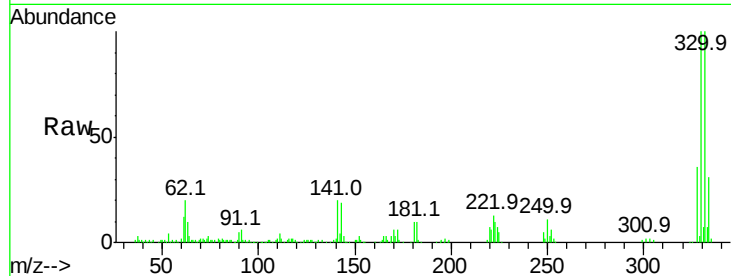
#41
 2,4,6-Tribromophenol
 Concen: 100.50 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	260994		
332	99.5	79.0	118.4	
141	36.7	31.2	46.8	

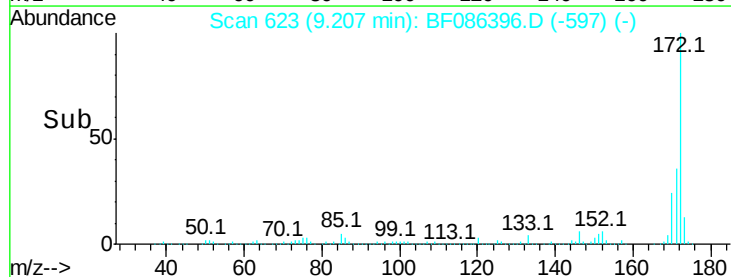
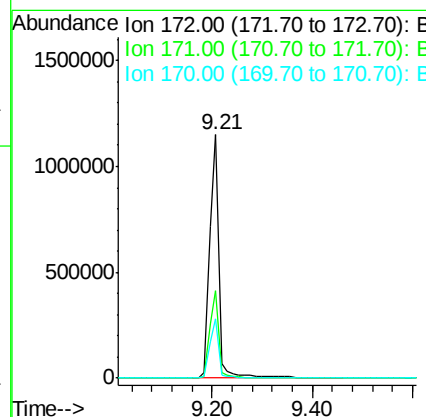
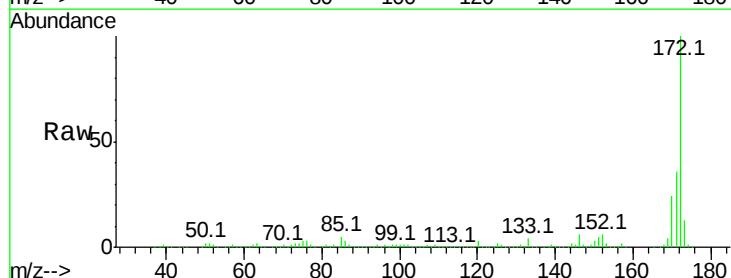
Manual Integrations
 APPROVED

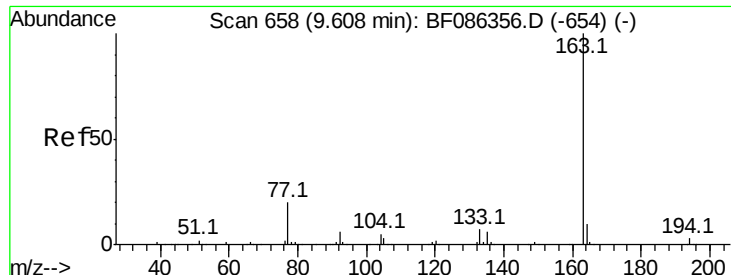
sohil
 4/25/2016 12:36:03 PM



#44
 2-Fluorobiphenyl
 Concen: 87.55 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1471930		
171	35.9	29.0	43.6	
170	24.3	19.8	29.8	





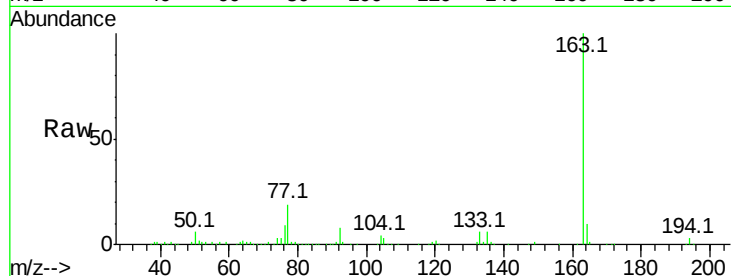
#49
Dimethylphthalate
Concen: 11.40 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

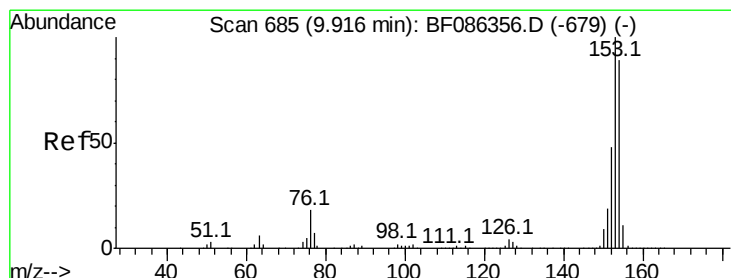
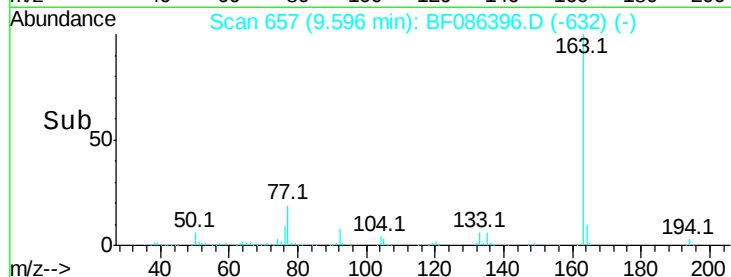
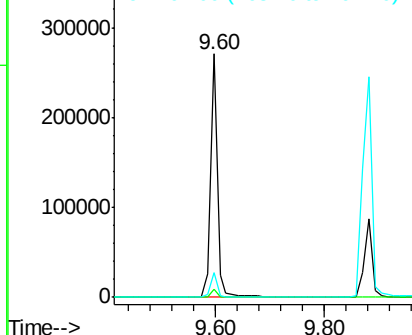
Tot Ion	Ratio	Resp	Lower	Upper
163	100	236334		
194	3.3		2.6	4.0
164	10.1		8.2	12.4

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM

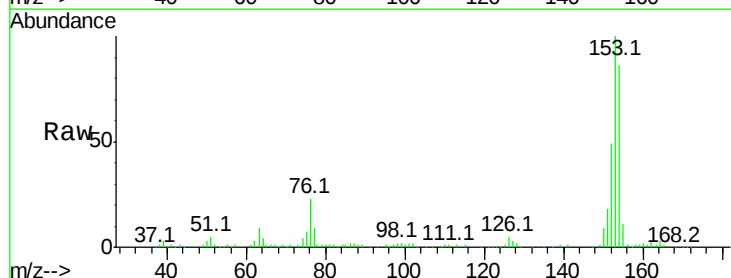


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

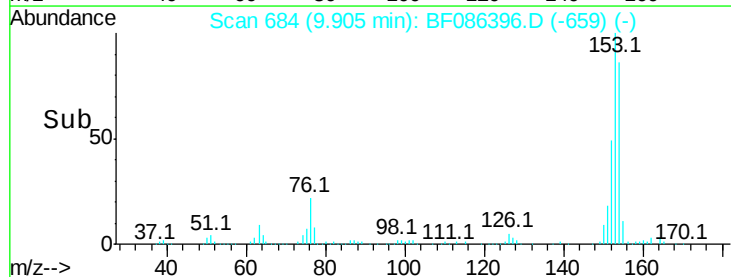
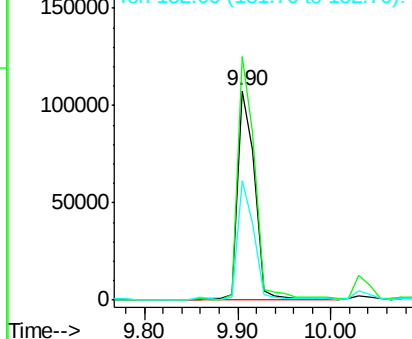


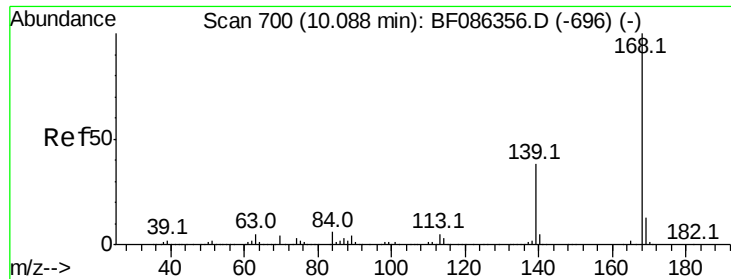
#51
Acenaphthene
Concen: 7.93 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	139116		
153	116.4		89.8	134.6
152	57.2		43.4	65.0



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





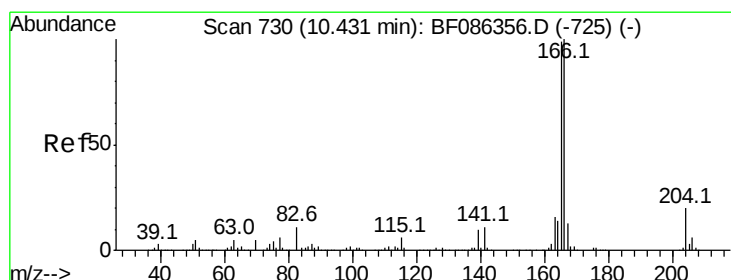
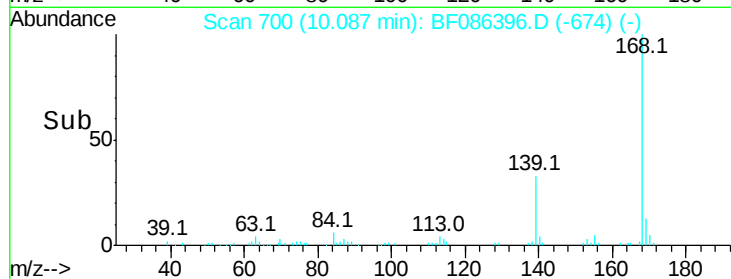
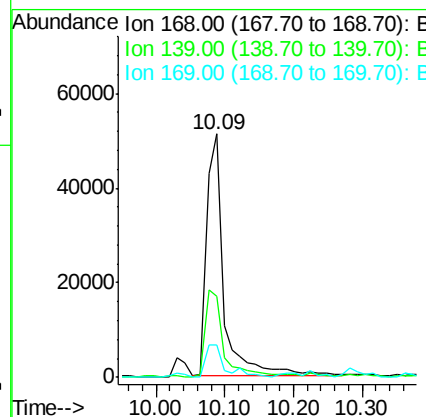
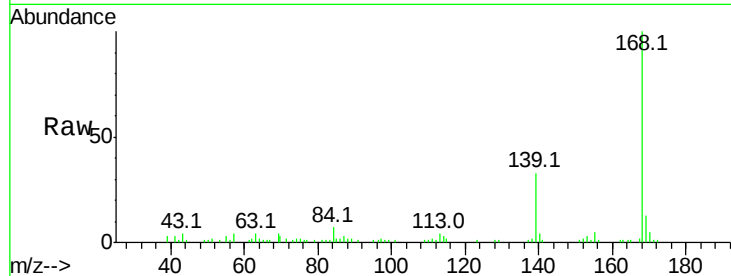
#54
Dibenzenofuran
Concen: 3.96 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.3	31.4	47.0
169	13.3	10.7	16.1

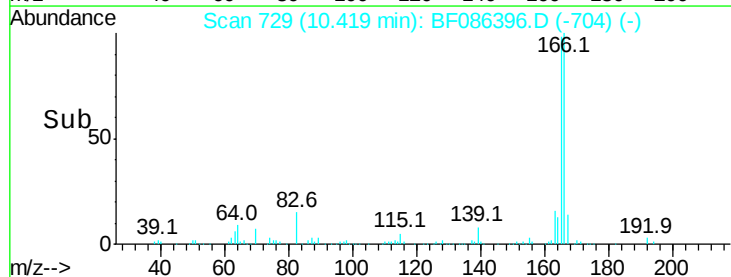
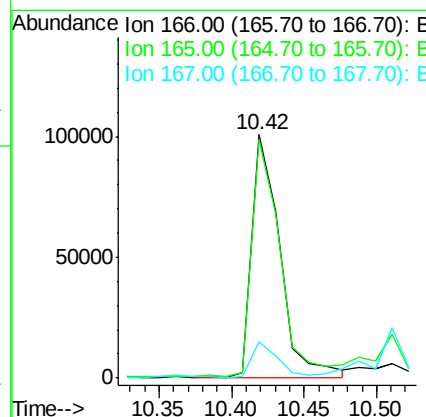
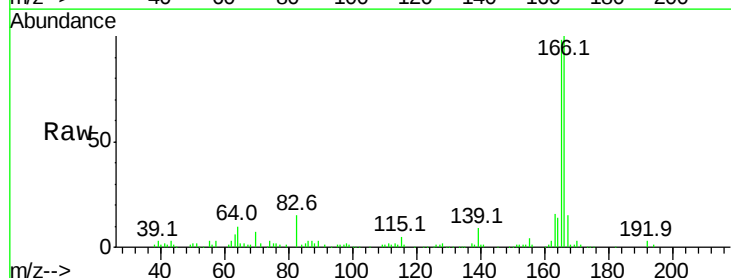
Manual Integrations
APPROVED

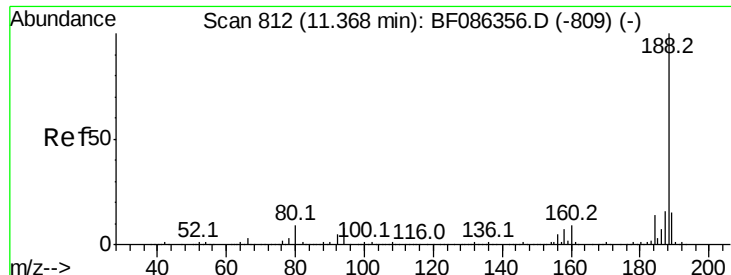
sohil
4/25/2016 12:36:03 PM



#57
Fluorene
Concen: 7.43 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.6
167	14.9	10.6	15.8





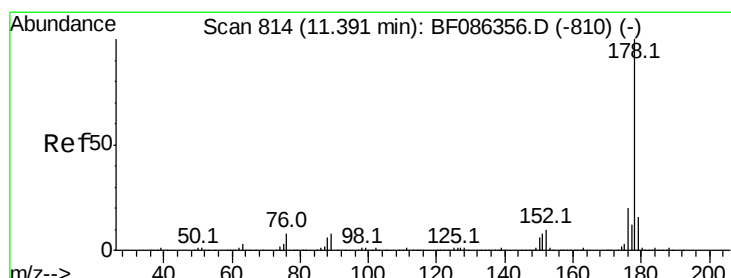
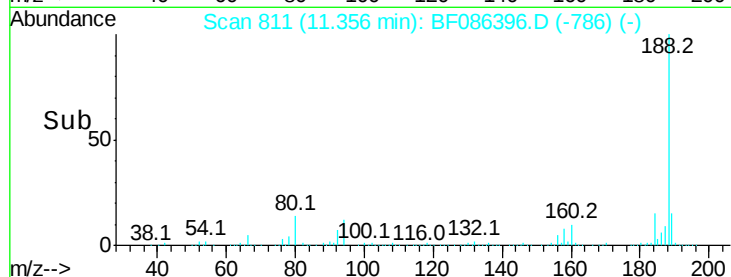
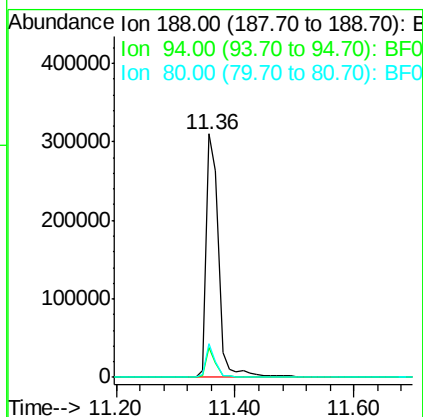
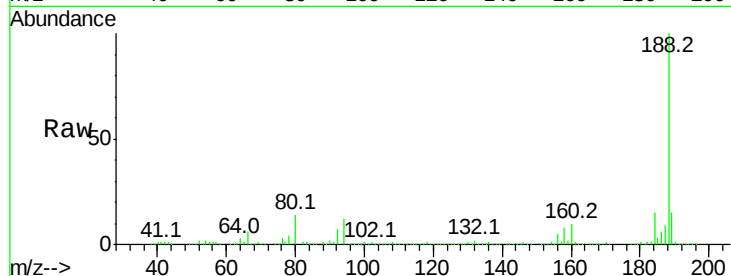
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.1	6.8	10.2#	
80	13.8	7.1	10.7#	

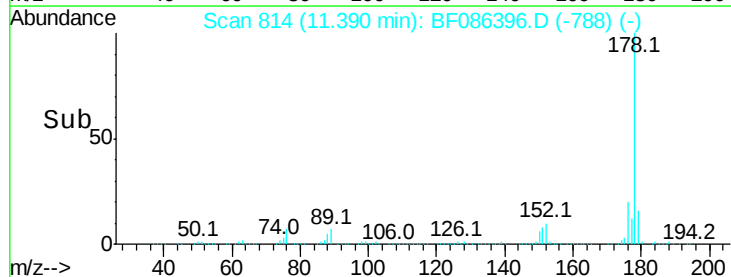
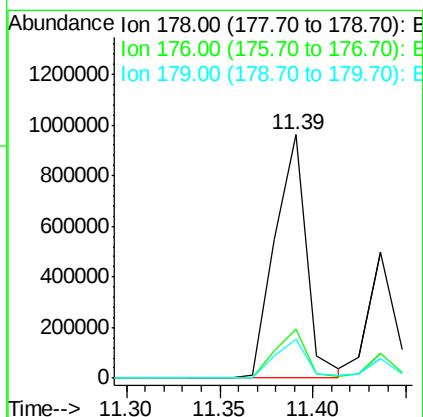
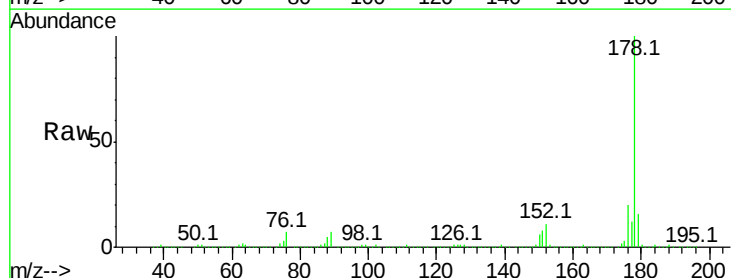
Manual Integrations
APPROVED

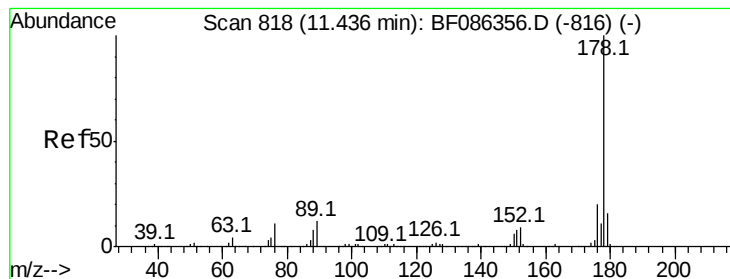
sohil
4/25/2016 12:36:03 PM



#70
Phenanthrene
Concen: 49.14 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.3	16.0	24.0	
179	15.8	12.6	18.8	





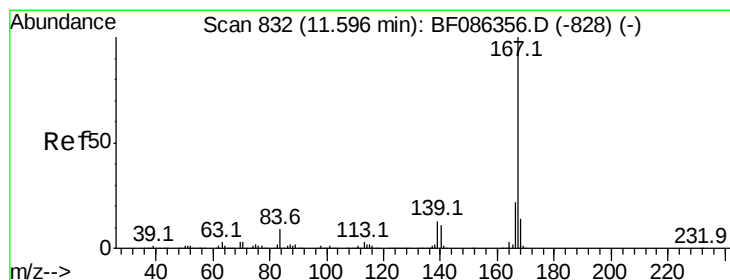
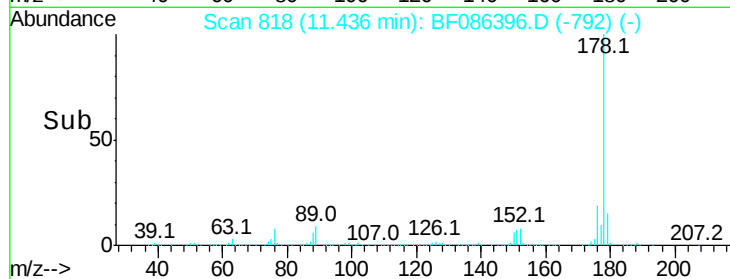
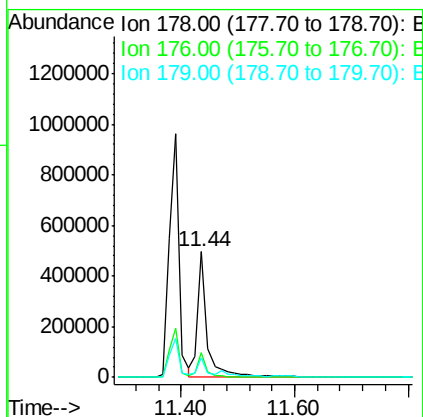
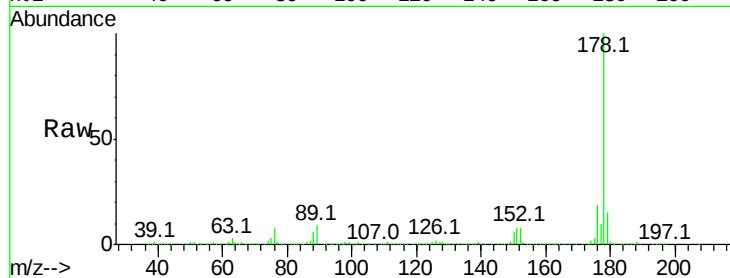
#71
 Anthracene
 Concen: 21.98 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.5	12.7	19.1

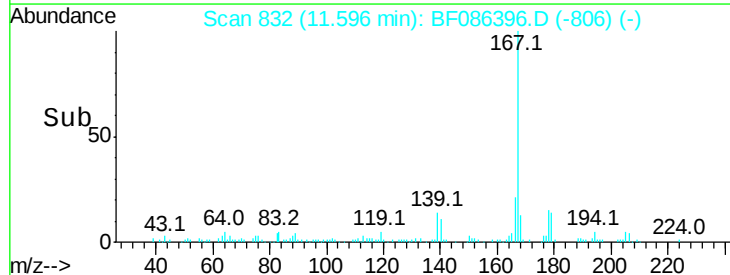
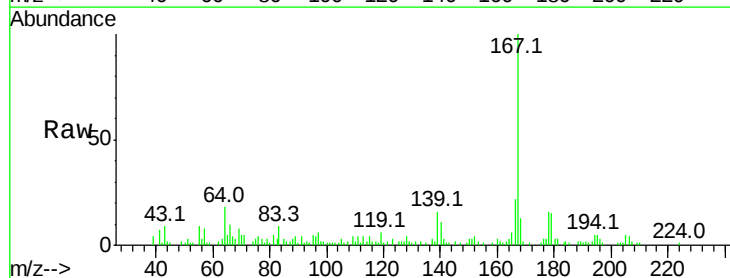
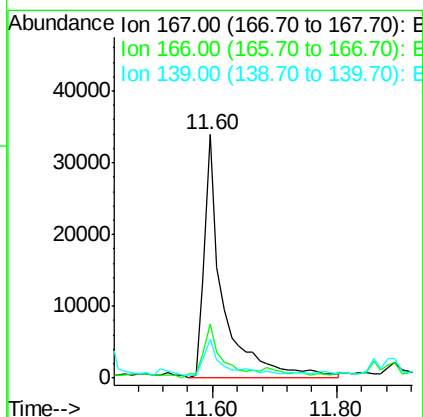
Manual Integrations
 APPROVED

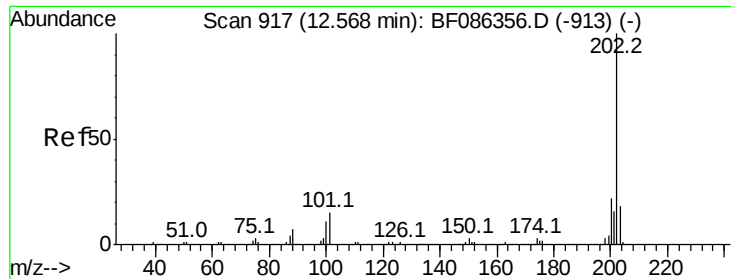
sohil
 4/25/2016 12:36:03 PM



#72
 Carbazole
 Concen: 2.89 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	16.2	10.8	16.2





#74

Fluoranthene

Concen: 53.20 ng

RT: 12.58 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Instrument :

BNA_F

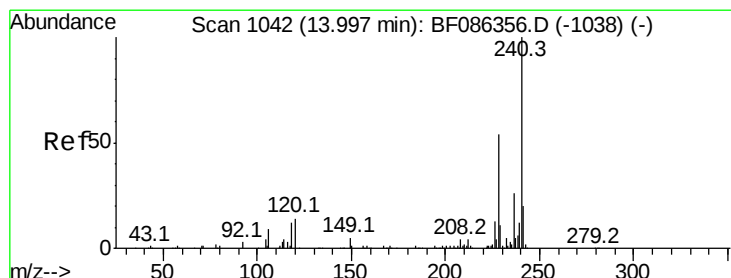
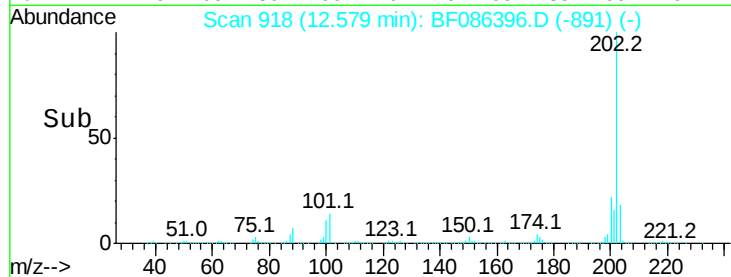
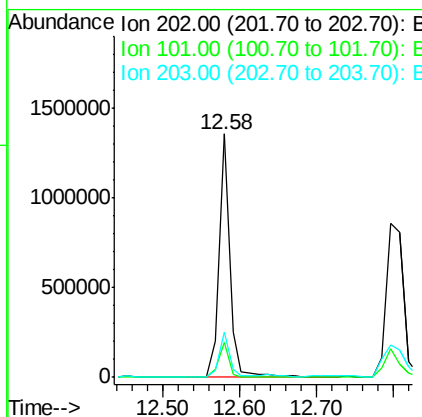
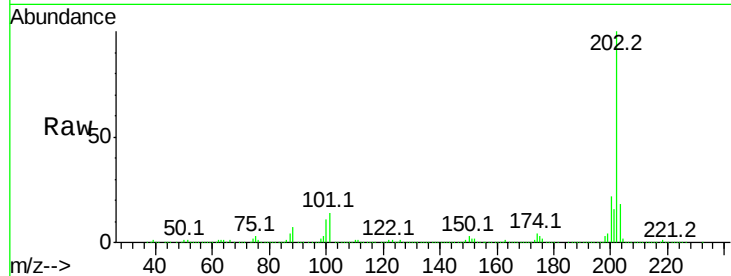
ClientSampleId :

EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1318411		
101	14.3	0.0	35.4	
203	18.5	0.0	38.1	

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM



#75

Chrysene-d12

Concen: 20.00 ng

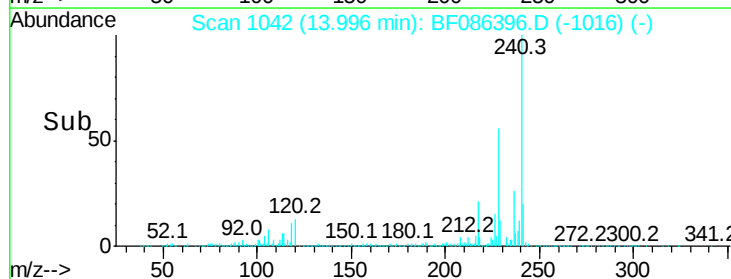
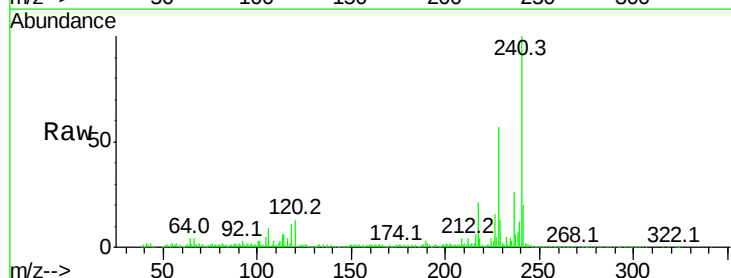
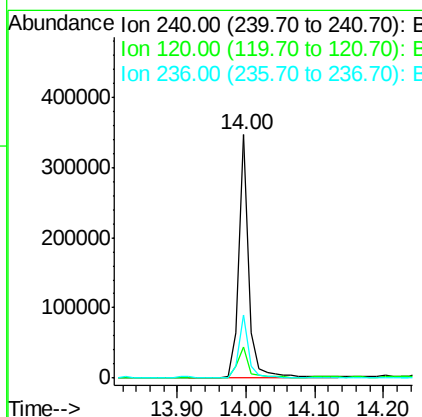
RT: 14.00 min Scan# 1042

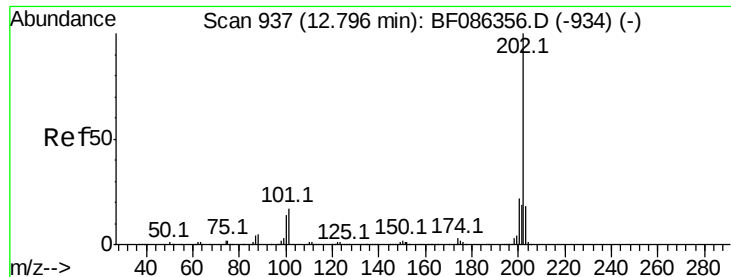
Delta R.T. -0.00 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	359381		
120	12.9	11.2	16.8	
236	25.9	21.2	31.8	





#77

Pvrene

Concen: 53.22 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B5(0-15)-C

Tot Ion:202 Resp: 1333920

Ion Ratio Lower Upper

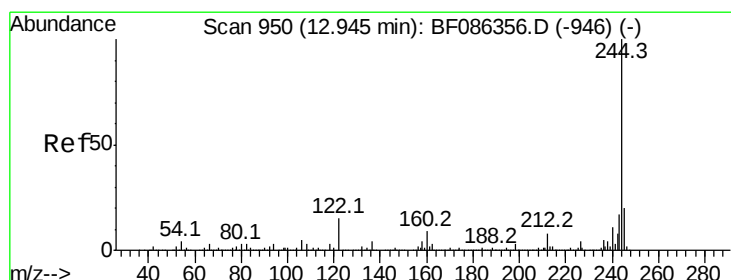
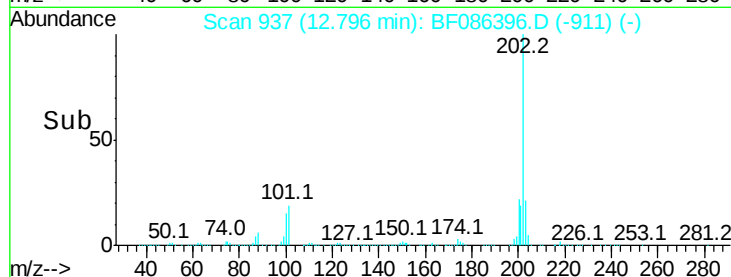
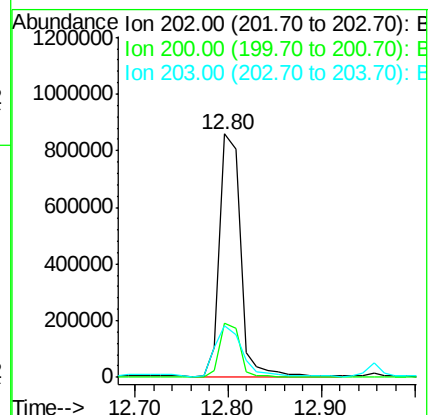
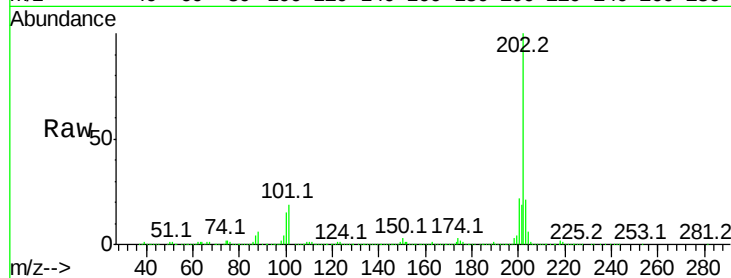
202 100

200 22.5 17.7 26.5

203 21.2 14.2 21.4

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM



#78

Terphenyl-d14

Concen: 64.38 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

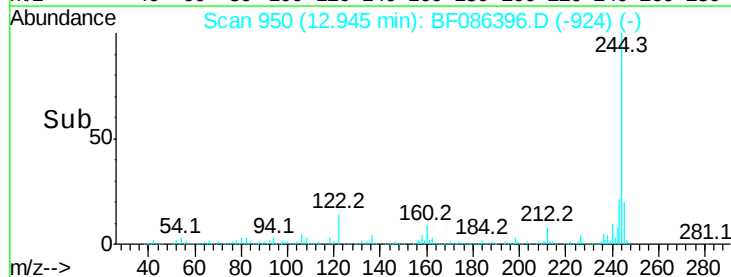
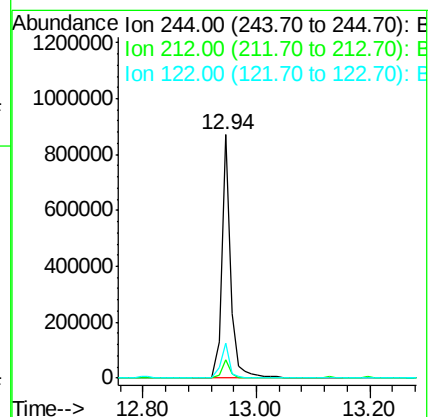
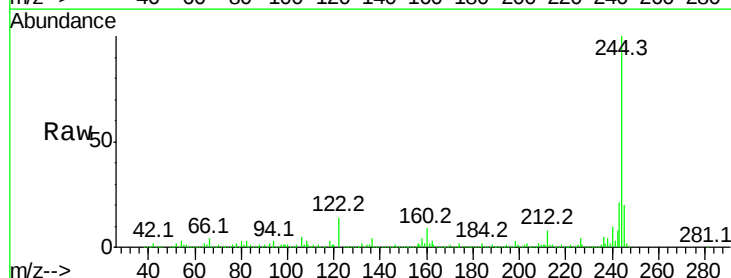
Tgt Ion:244 Resp: 931229

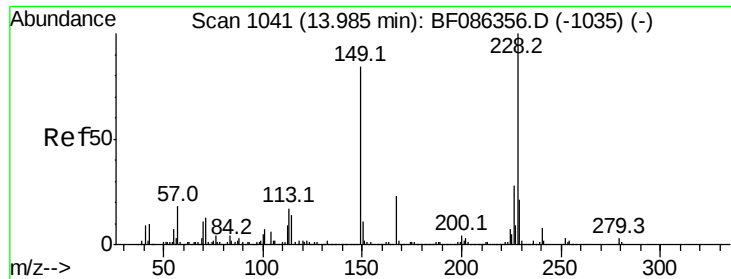
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 14.4 12.0 18.0





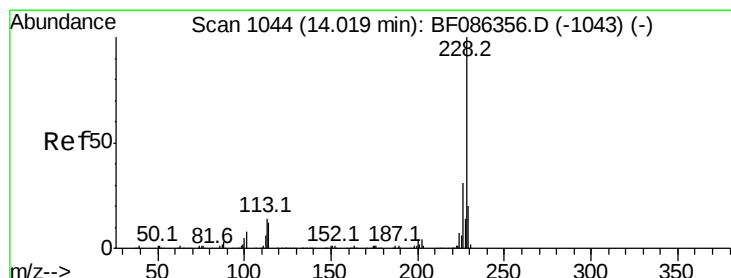
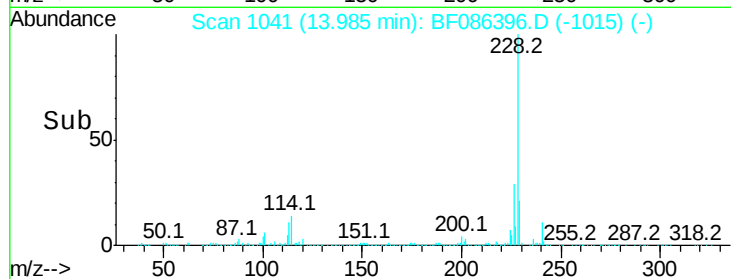
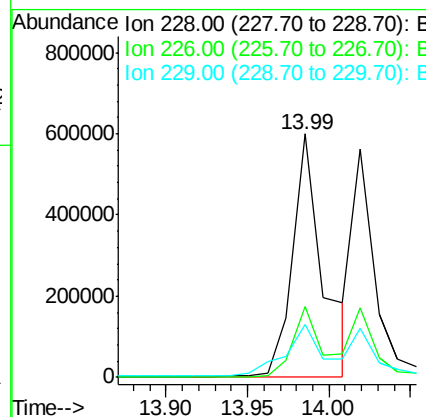
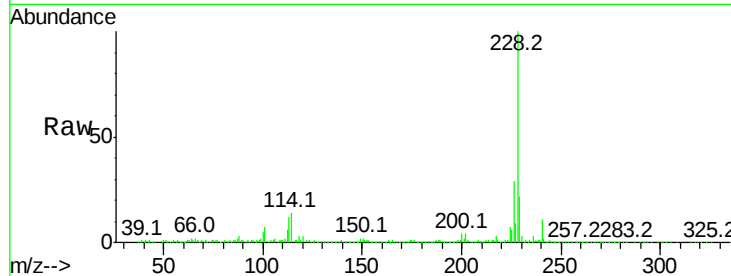
#80
Benzo(a)anthracene
Concen: 41.60 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.5	33.7
229	21.9	16.6	25.0

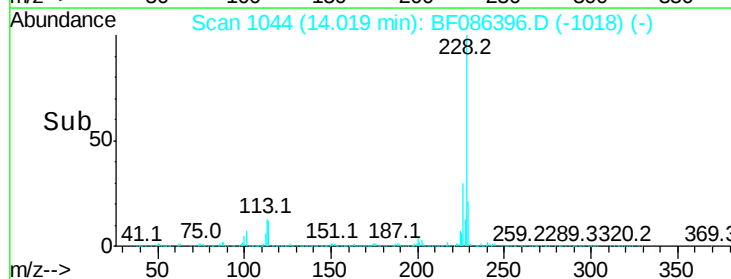
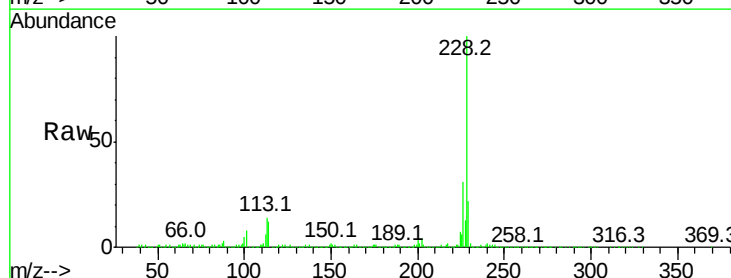
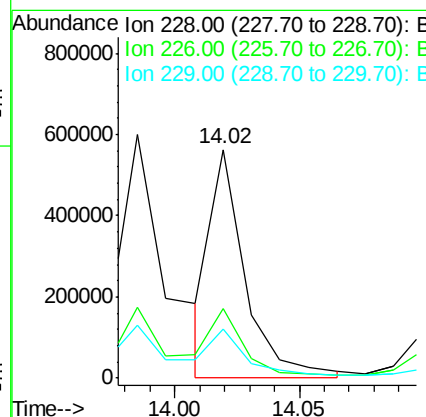
Manual Integrations
APPROVED

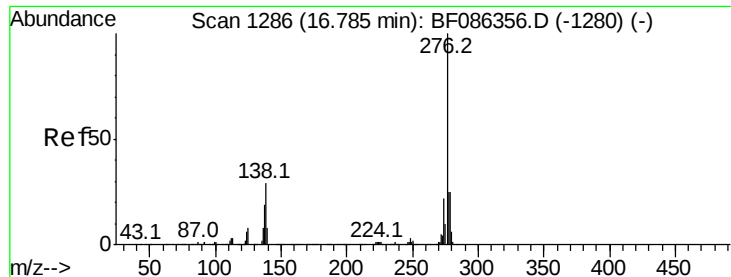
sohil
4/25/2016 12:36:03 PM



#82
Chrysene
Concen: 26.18 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	21.7	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.90 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Instrument :

BNA_F

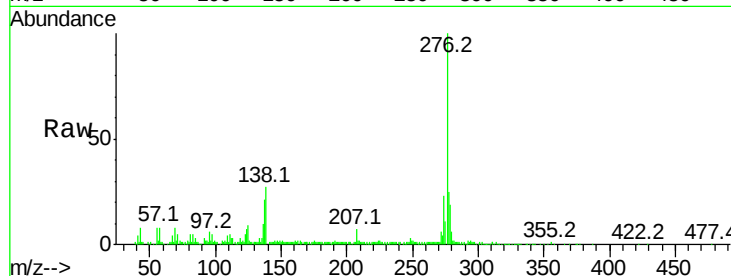
ClientSampleId :

EUT01-TP-B5(0-15)-C

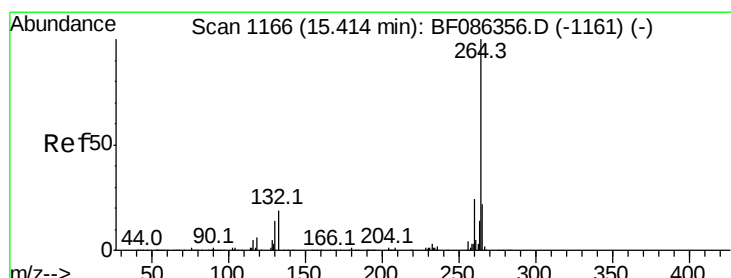
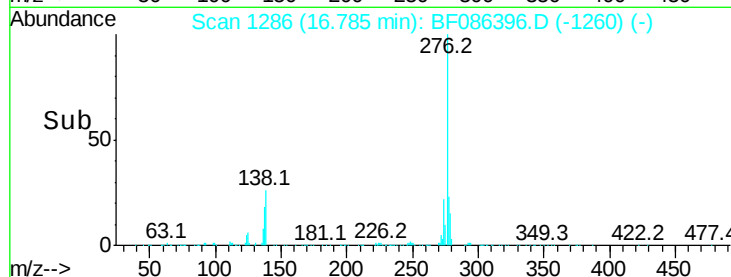
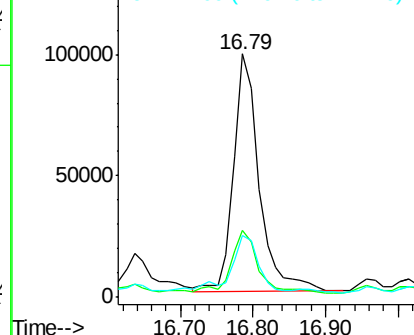
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.6	38.4
277	25.9	20.5	30.7

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

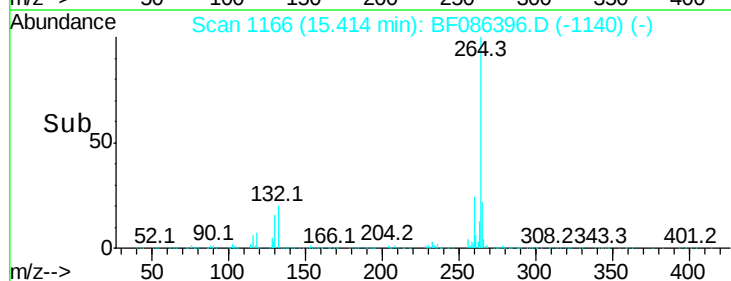
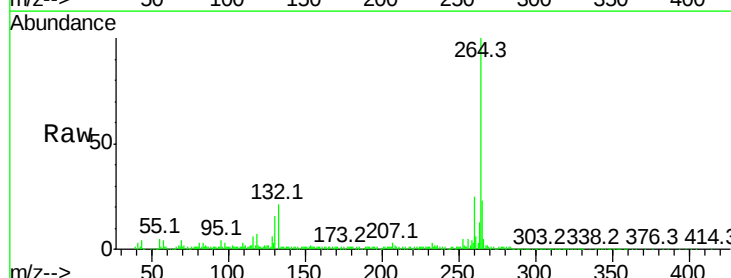
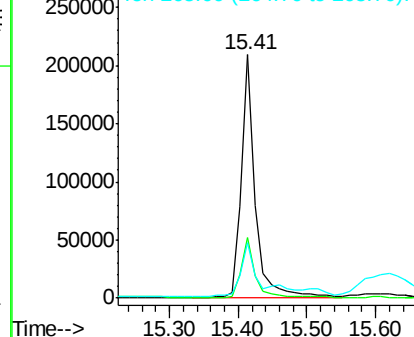
Delta R.T. -0.00 min

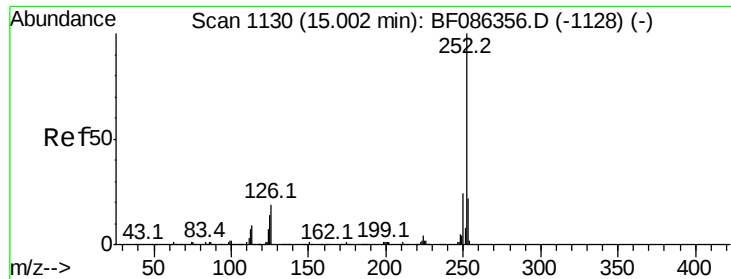
Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.5	17.3	25.9

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 38.90 ng m

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Instrument :

BNA_F

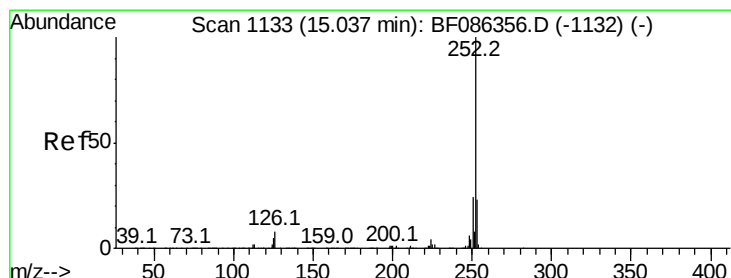
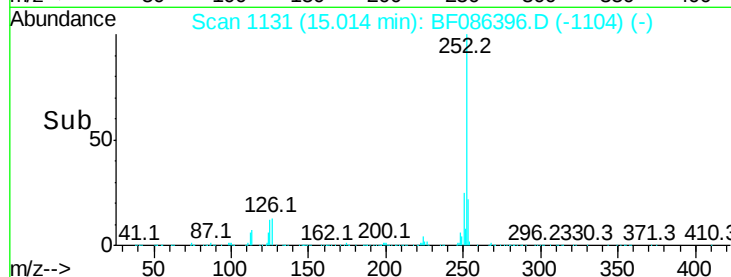
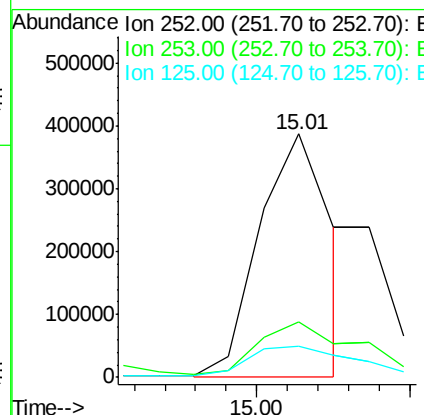
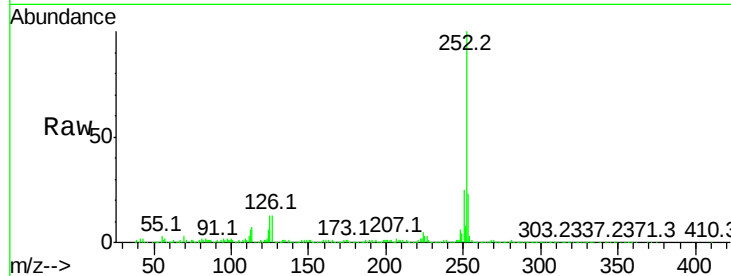
ClientSampleId :

EUT01-TP-B5(0-15)-C

Tot Ion:	252	Resp:	636403
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	13.0	11.4	17.0

Manual Integrations
APPROVED

sohil
4/25/2016 12:36:03 PM



#88

Benzo(k)fluoranthene

Concen: 15.36 ng m

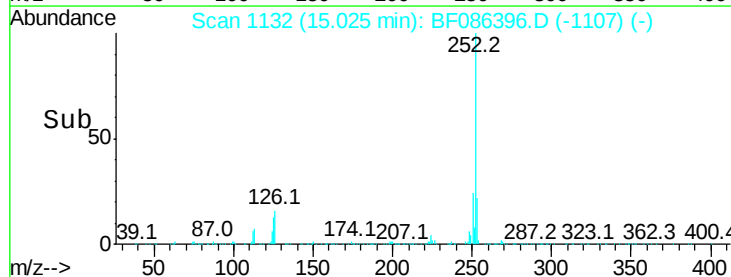
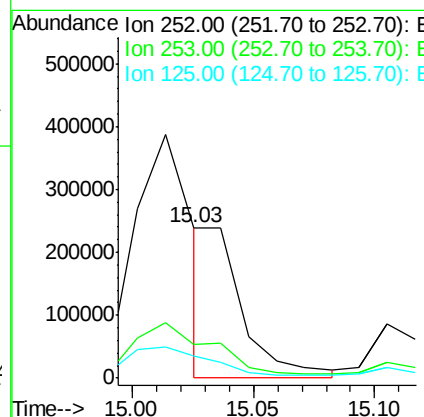
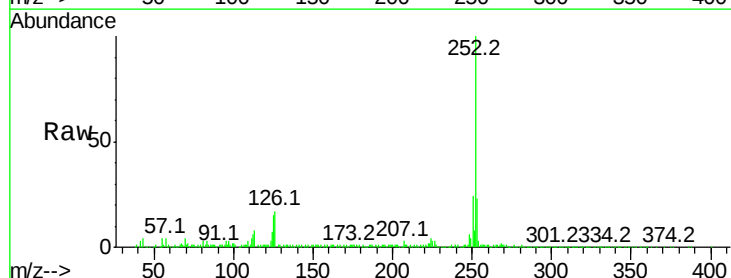
RT: 15.03 min Scan# 1132

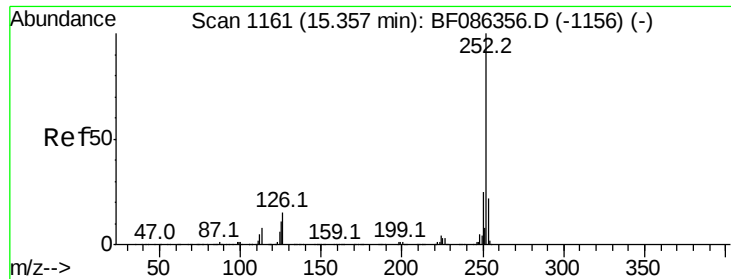
Delta R.T. -0.01 min

Lab File: BF086396.D

Acq: 23 Apr 2016 17:58

Tgt Ion:	252	Resp:	246713
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	14.6	9.1	13.7#





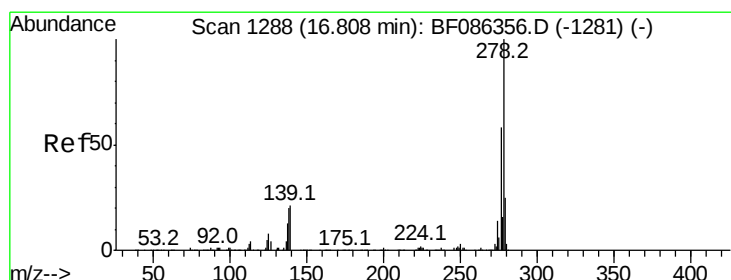
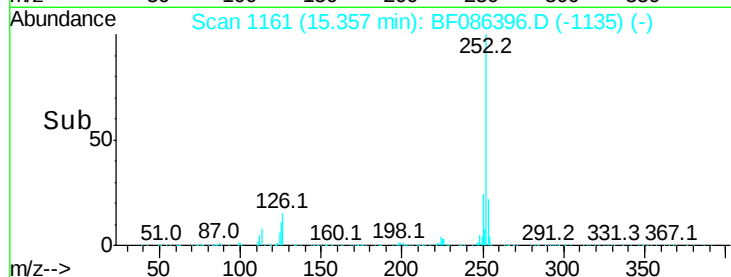
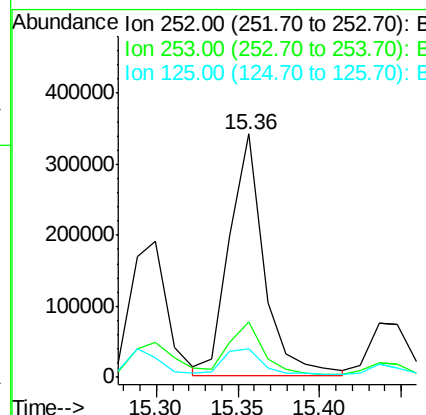
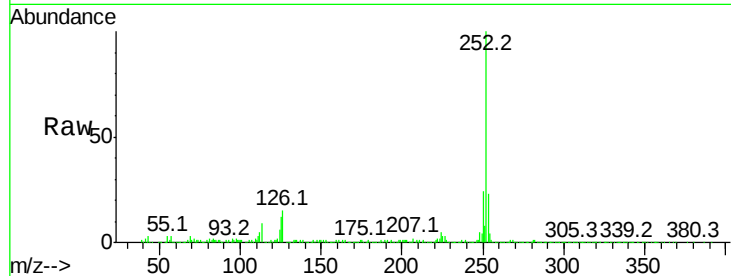
#89
Benzo(a)pyrene
Concen: 30.75 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.7	9.0	13.6

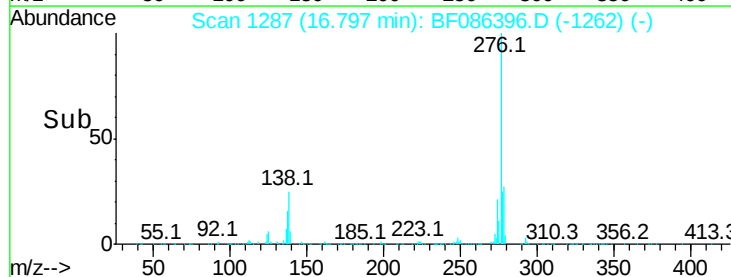
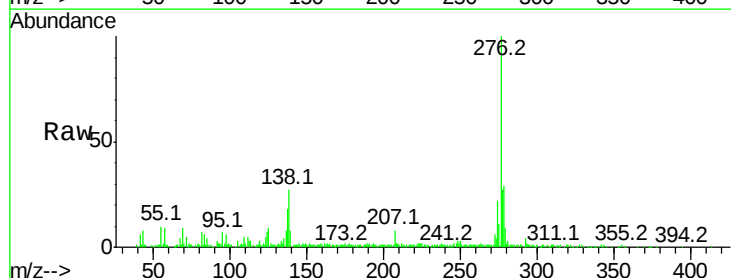
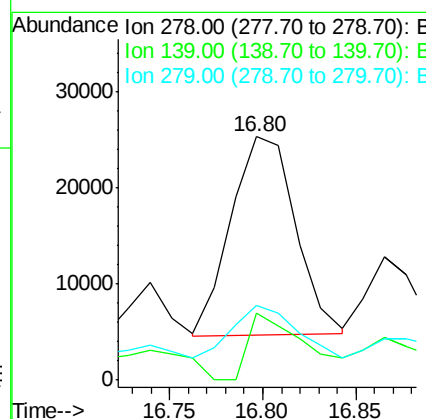
Manual Integrations
APPROVED

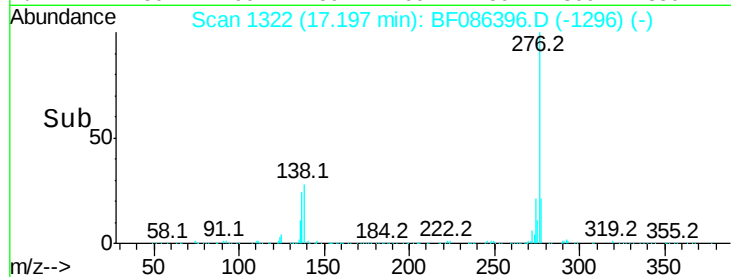
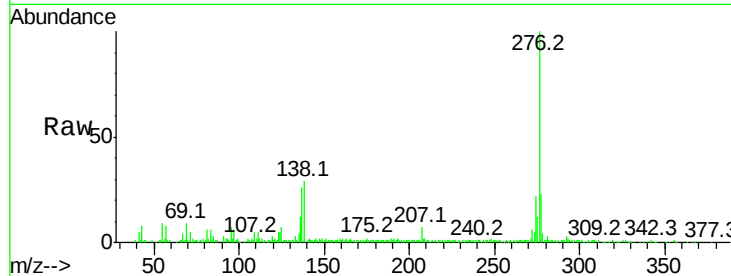
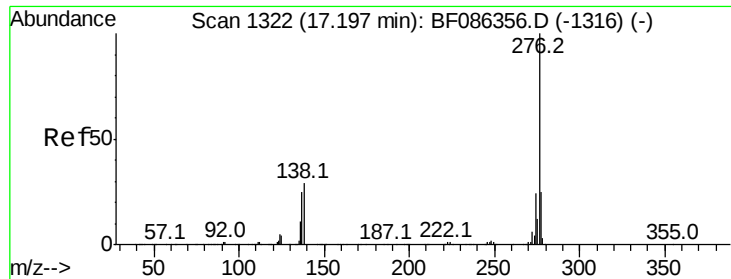
sohil
4/25/2016 12:36:03 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.74 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF086396.D
Acq: 23 Apr 2016 17:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	16.6	24.8#
279	30.6	19.6	29.4#





#91
 Benzo(a,h,i)perylene
 Concen: 16.39 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BF086396.D
 Acq: 23 Apr 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B5(0-15)-C

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.0	19.6	29.4
138	29.2	23.6	35.4

Manual Integrations
 APPROVED

sohil
 4/25/2016 12:36:03 PM

