

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086333.D
 Acq On : 21 Apr 2016 2:55
 Operator : UM/SJ
 Sample : H2620-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

Manual Integrations
 APPROVED

sohil
 4/21/2016 7:56:18 PM

Quant Time: Apr 21 13:51:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	253721	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1012331	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	369265	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	618324	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	416005	20.00	ng	-0.02
86) Perylene-d12	15.46	264	303211	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1577433	108.47	ng	0.00
7) Phenol-d6	6.51	99	2077524	109.17	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1222518	69.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	305947	106.30	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1638656	84.77	ng	-0.03
78) Terphenyl-d14	12.98	244	1135932	65.00	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	251762	8.95	ng	99
74) Fluoranthene	12.60	202	114605	4.22	ng	97
77) Pyrene	12.83	202	120632	3.91	ng	96
80) Benzo(a)anthracene	14.02	228	66146m	3.02	ng	
82) Chrysene	14.05	228	61927m	2.61	ng	
87) Benzo(b)fluoranthene	15.05	252	76159m	4.34	ng	
88) Benzo(k)fluoranthene	15.06	252	37209m	2.52	ng	
89) Benzo(a)pyrene	15.40	252	52424	3.24	ng	# 90
91) Benzo(g,h,i)perylene	17.29	276	35741	2.64	ng	# 87

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

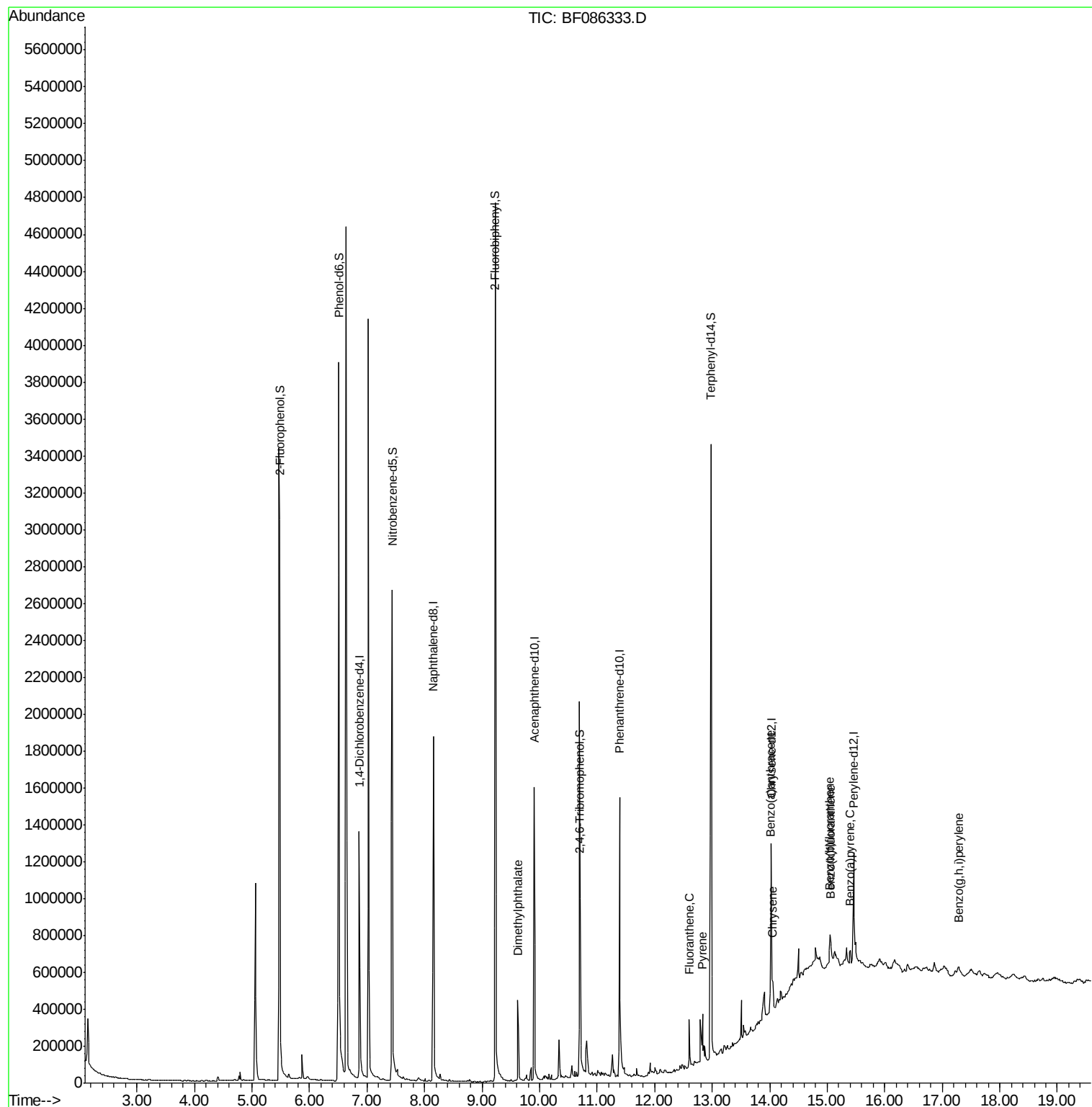
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
Data File : BF086333.D
Acq On : 21 Apr 2016 2:55
Operator : UM/SJ
Sample : H2620-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

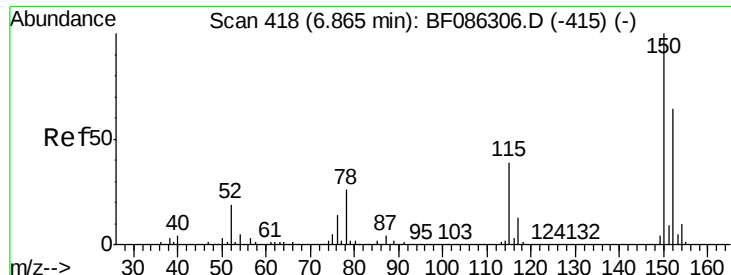
Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 PM

Quant Time: Apr 21 13:51:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:45:26 2016
Response via : Initial Calibration





#1

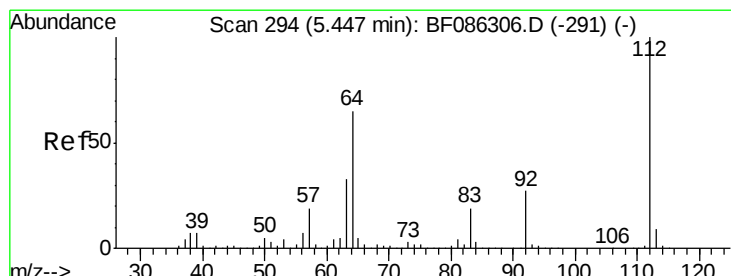
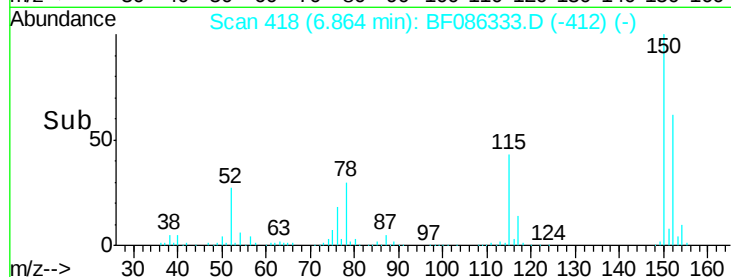
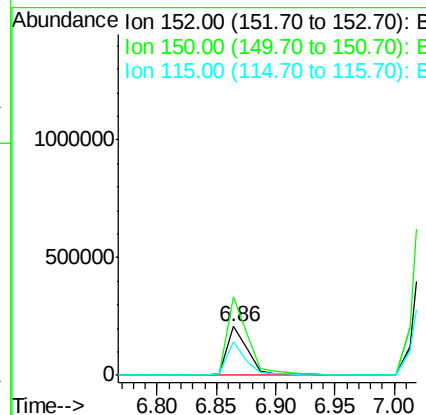
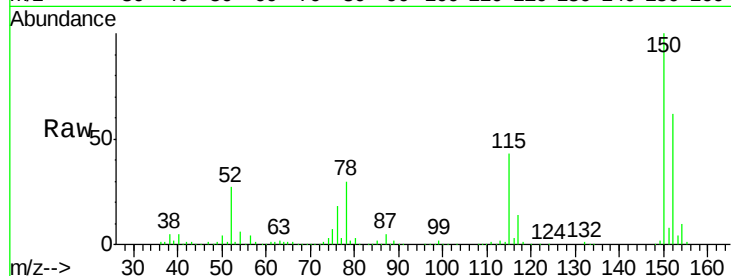
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.1	186.1
115	69.9	43.9	65.9

Manual Integrations
APPROVED

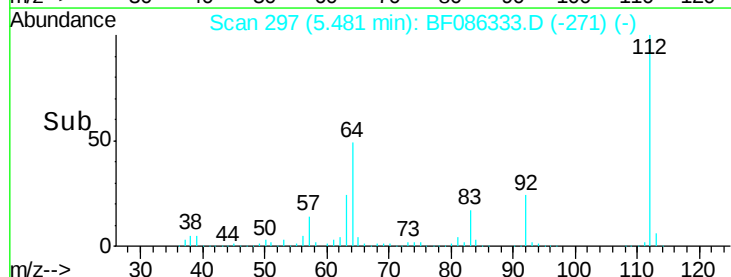
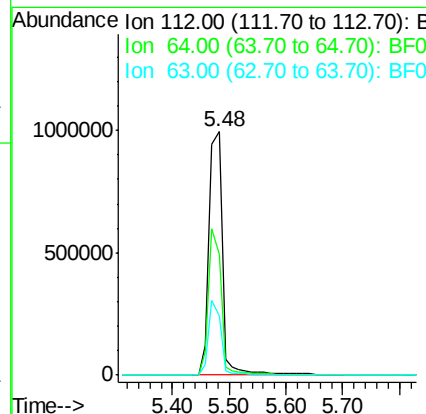
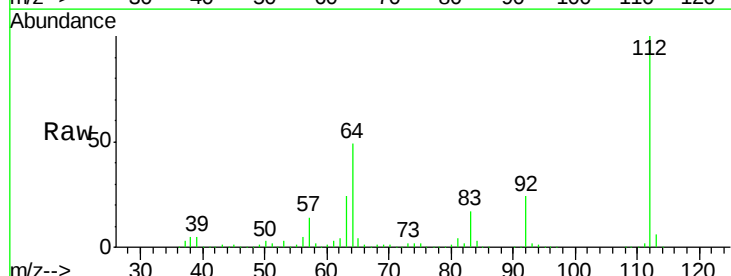
sohil
4/21/2016 7:56:18 PM

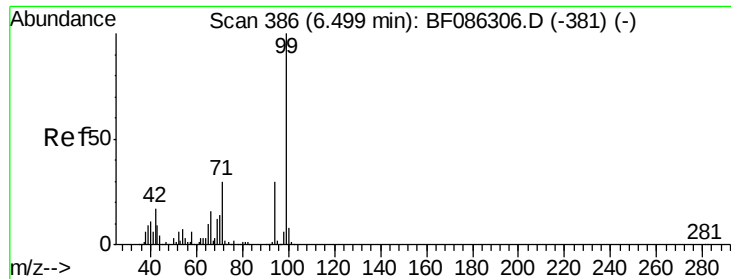


#5

2-Fluorophenol
Concen: 108.47 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	48.1	72.1
63	24.4	25.5	38.3





#7

Phenol-d6

Concen: 109.17 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

Tot Ion: 99 Resp: 2077524

Ion Ratio Lower Upper

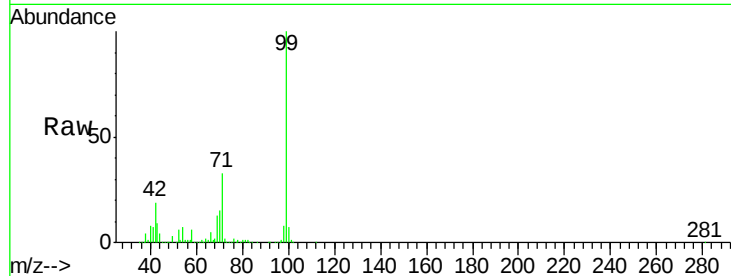
99 100

42 18.9 15.4 23.2

71 33.1 25.6 38.4

Manual Integrations
APPROVED

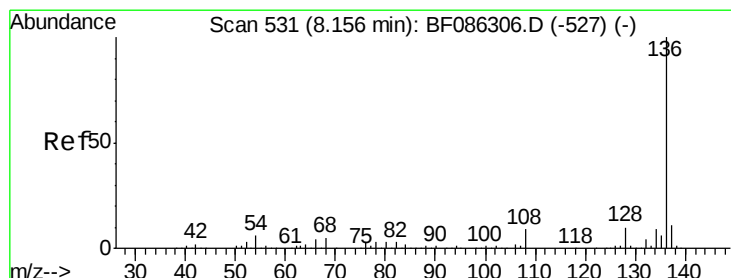
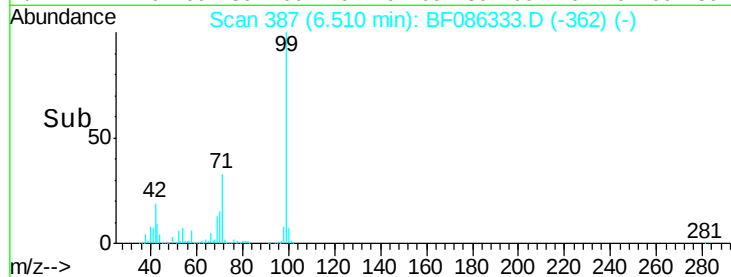
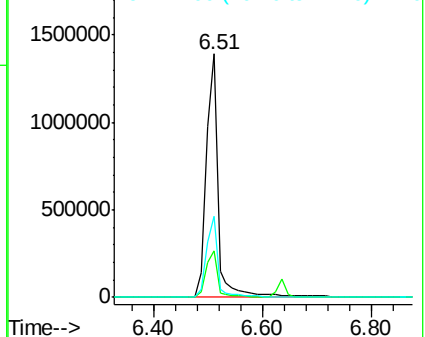
sohil
4/21/2016 7:56:18 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Tgt Ion: 136 Resp: 1012331

Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.9 7.3 10.9#

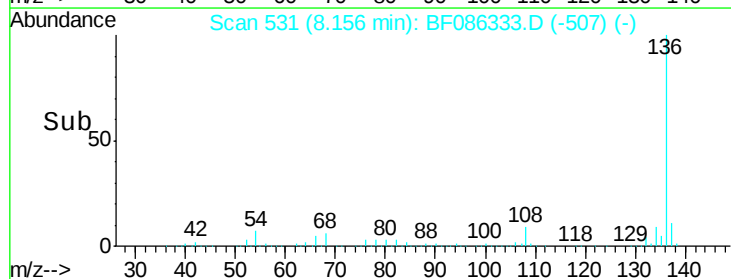
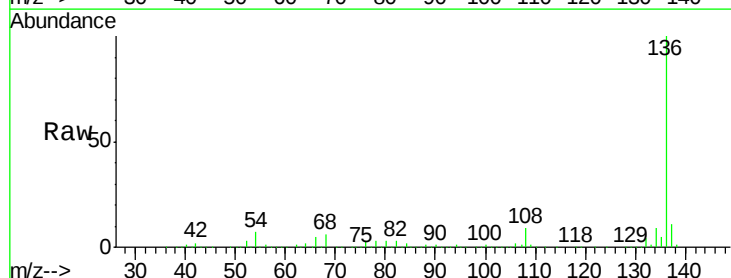
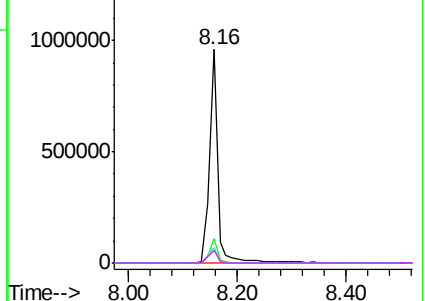
68 6.0 5.7 8.5

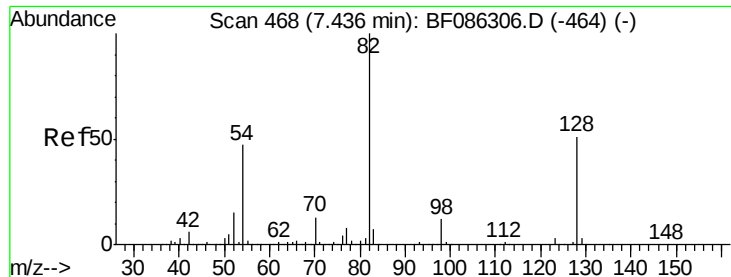
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





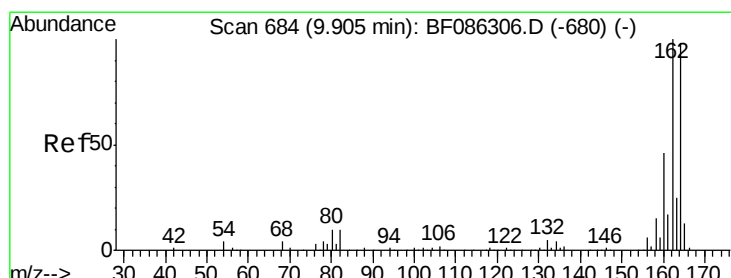
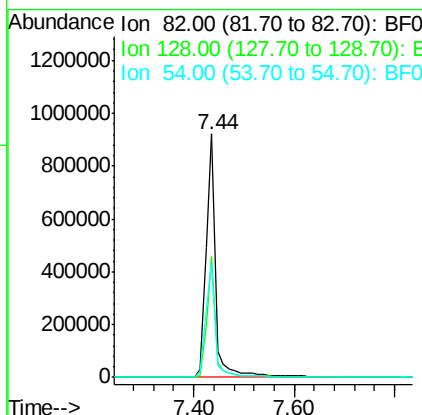
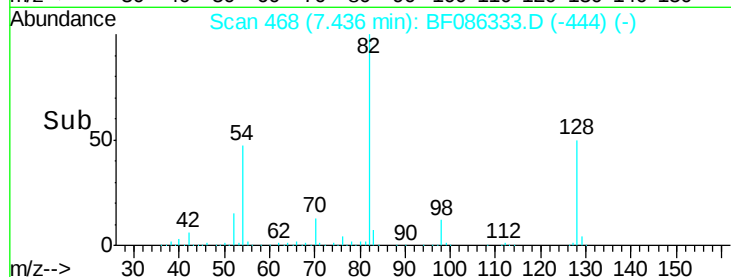
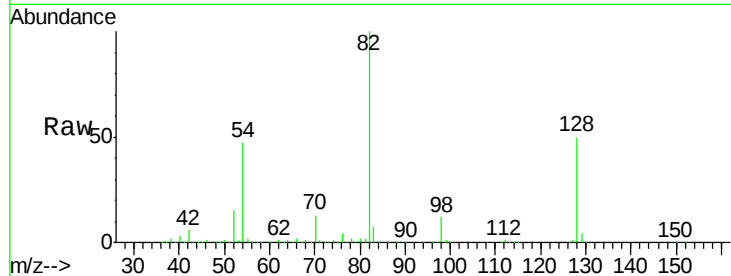
#23
 Nitrobenzene-d5
 Concen: 69.16 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	35.4	53.2
54	46.7	43.4	65.0

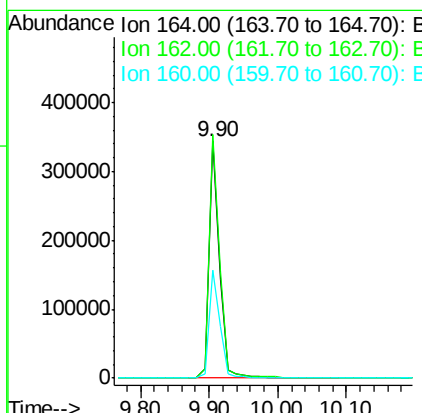
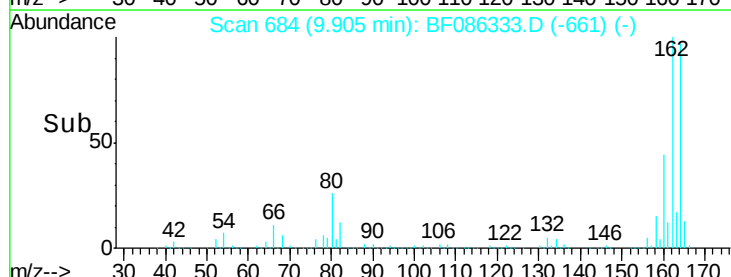
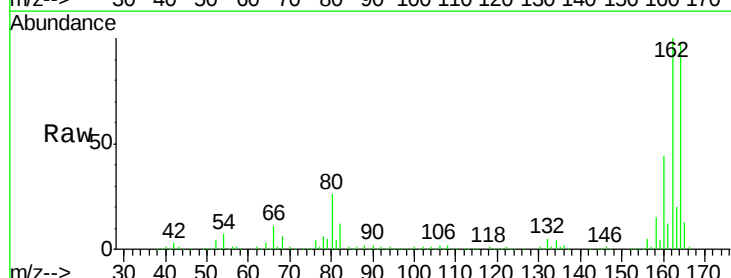
Manual Integrations
 APPROVED

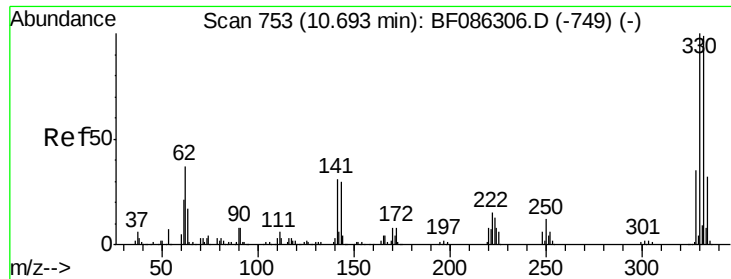
sohil
 4/21/2016 7:56:18 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.8	124.2
160	45.5	38.9	58.3





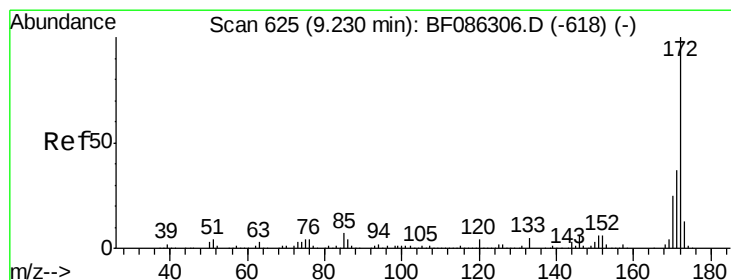
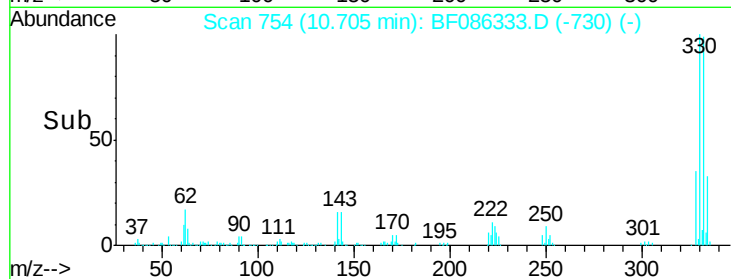
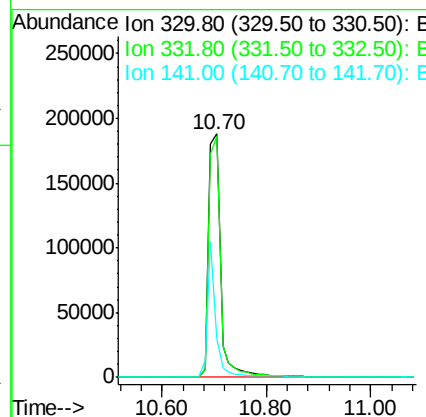
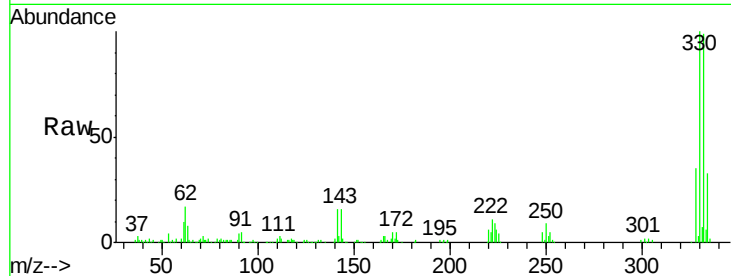
#41
 2,4,6-Tribromophenol
 Concen: 106.30 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	305947		
332	96.9		78.7	118.1
141	37.7		28.6	42.8

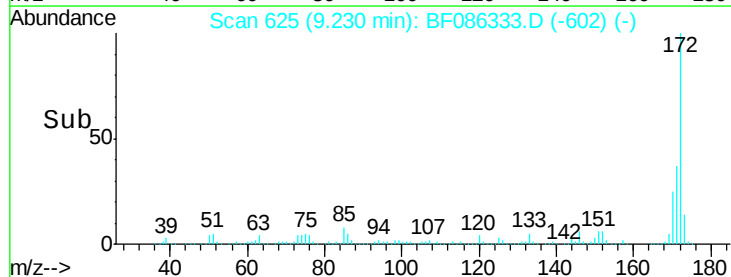
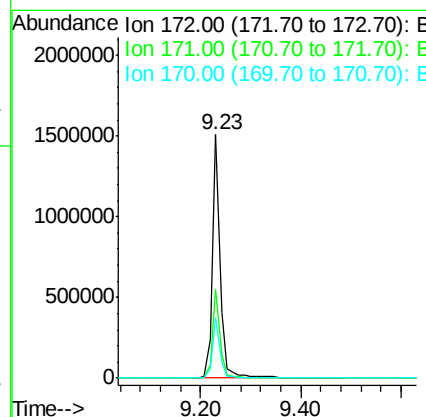
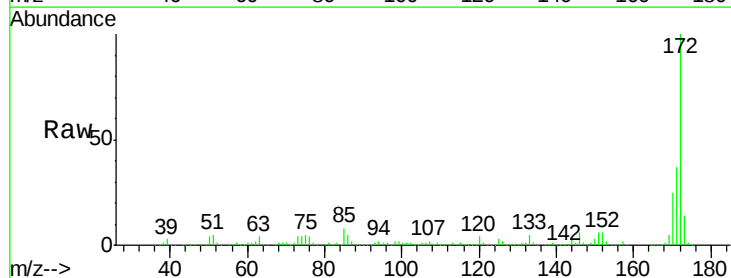
Manual Integrations
 APPROVED

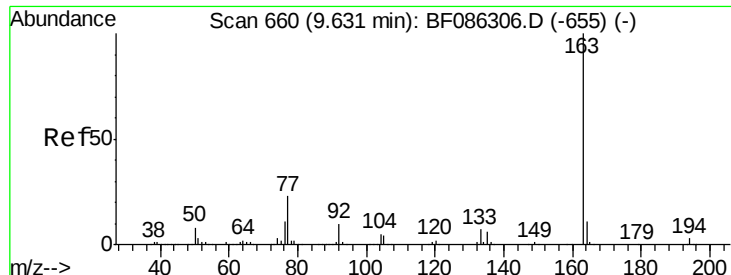
sohil
 4/21/2016 7:56:18 PM



#44
 2-Fluorobiphenyl
 Concen: 84.77 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1638656		
171	36.5		29.1	43.7
170	24.9		19.9	29.9





#49

Dimethylphthalate

Concen: 8.95 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.05 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

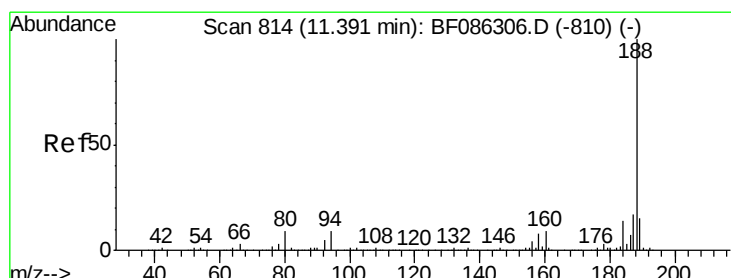
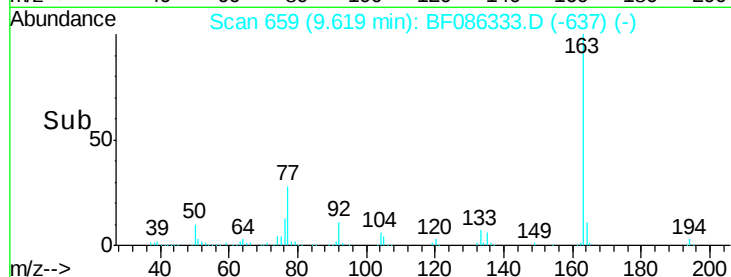
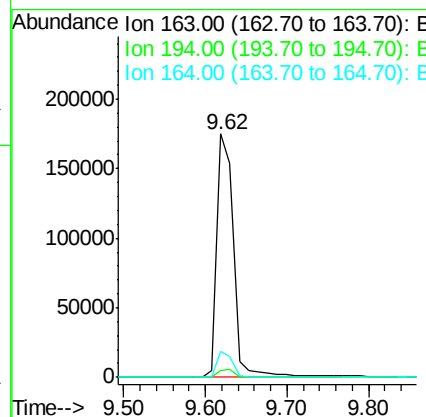
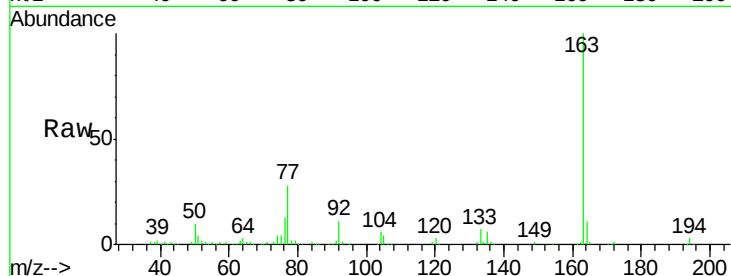
ClientSampleId :

EUT01-TU-B2(5-9)-C

Tot Ion:	163	Resp:	251762
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.7	8.4	12.6

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

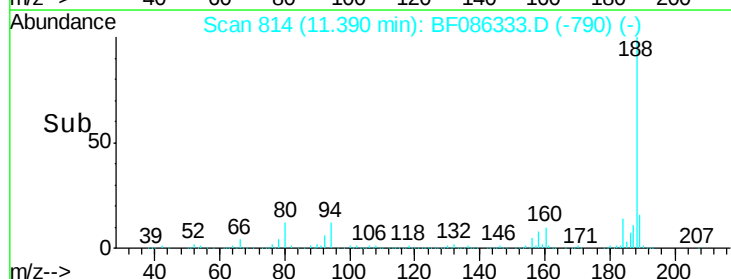
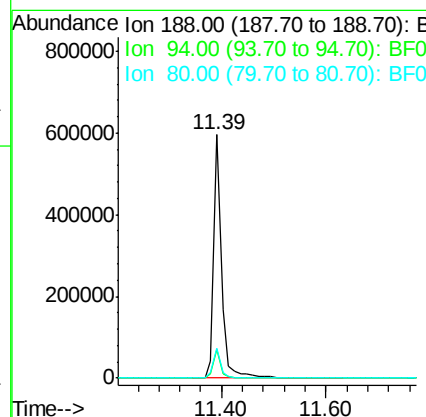
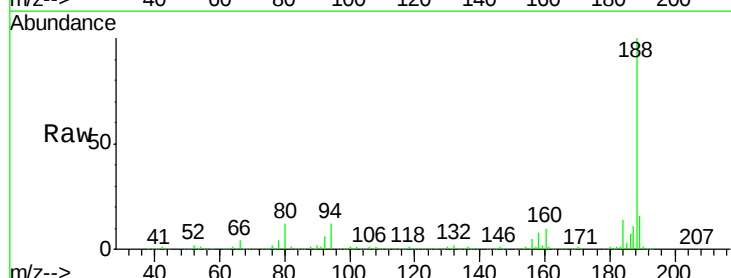
RT: 11.39 min Scan# 814

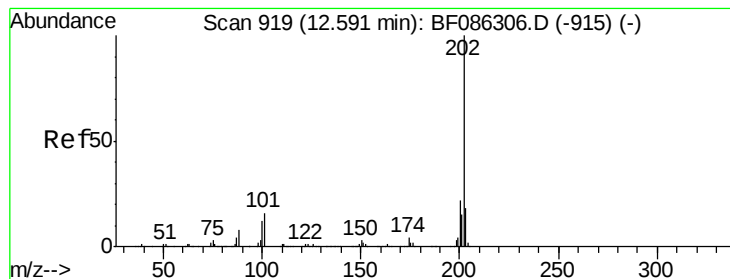
Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Tgt Ion:	188	Resp:	618324
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.8	14.8
80	12.4	10.5	15.7





#74

Fluoranthene

Concen: 4.22 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

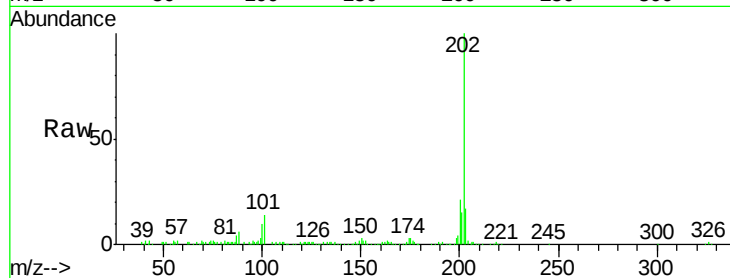
ClientSampleId :

EUT01-TU-B2(5-9)-C

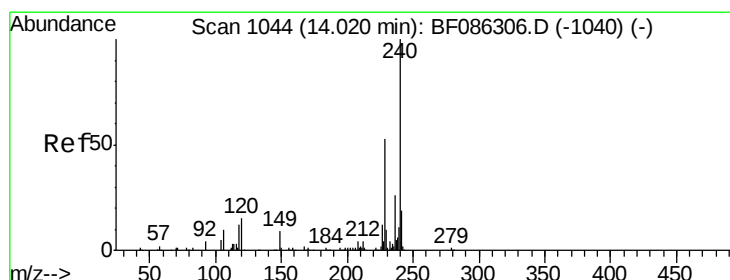
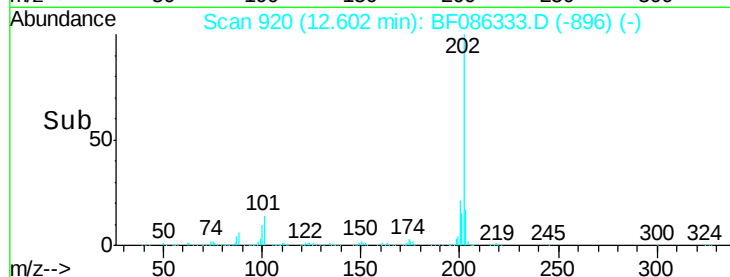
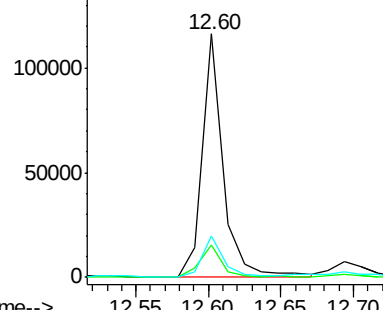
Tot Ion	Ratio	Resp	Lower	Upper
202	100	114605		
101	13.5	0.0	35.2	
203	17.1	0.0	38.2	

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 PM



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: 20.00 ng

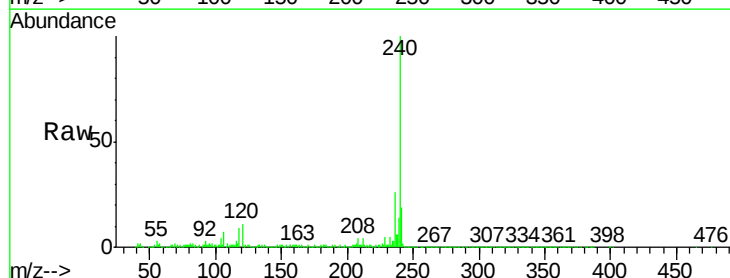
RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

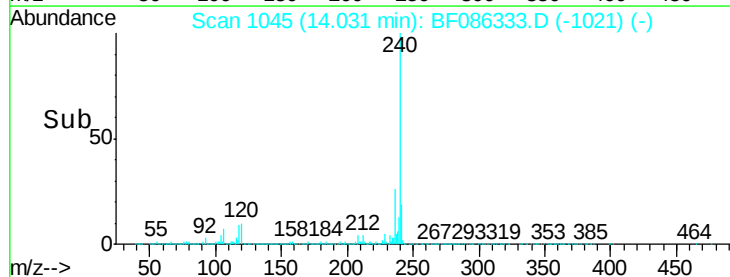
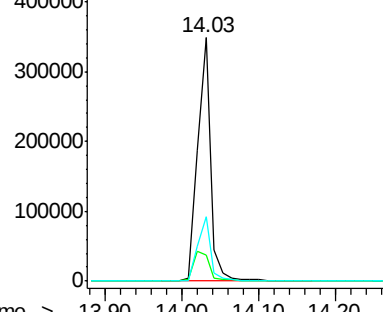
Lab File: BF086333.D

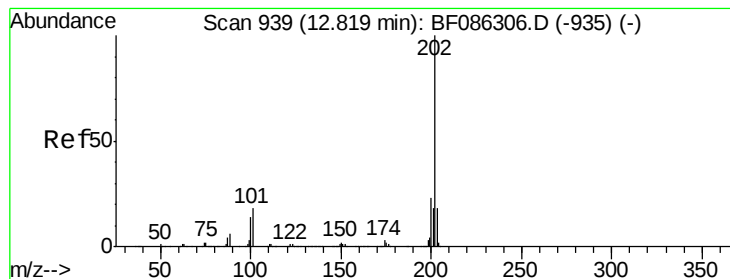
Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	416005		
120	10.6	9.3	13.9	
236	26.2	21.1	31.7	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.91 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

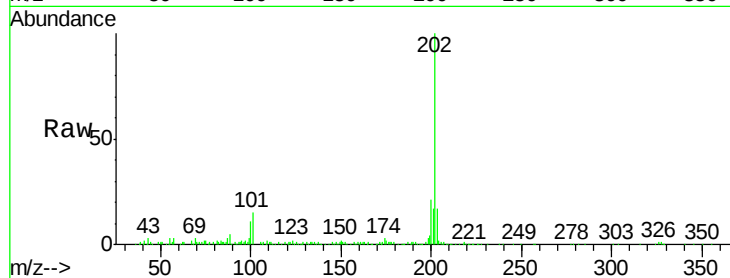
ClientSampleId :

EUT01-TU-B2(5-9)-C

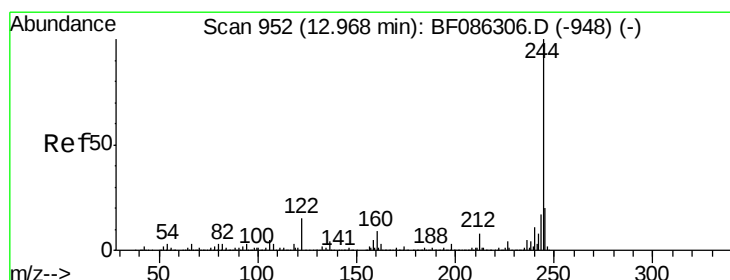
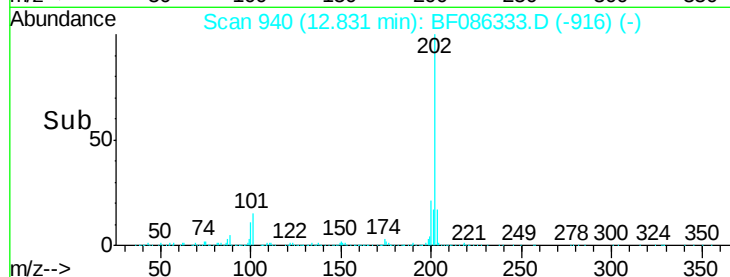
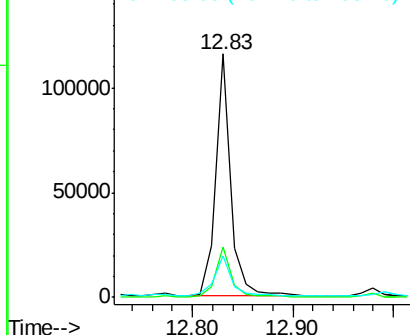
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.5	18.3	27.5		
203	17.0	14.9	22.3		

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 65.00 ng

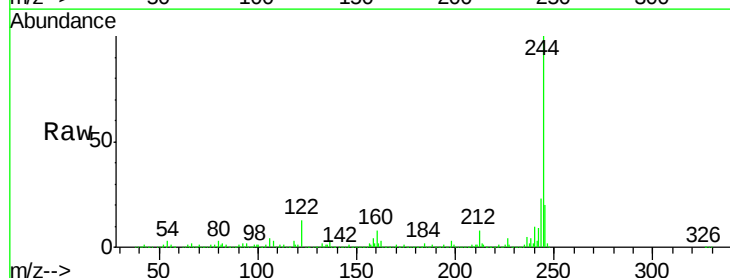
RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

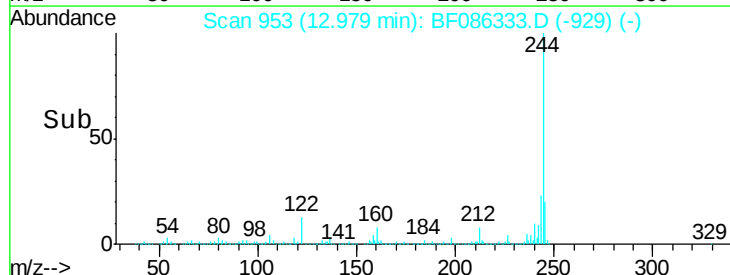
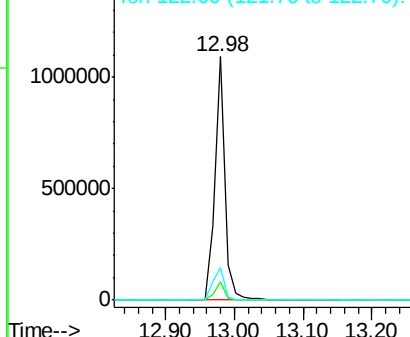
Lab File: BF086333.D

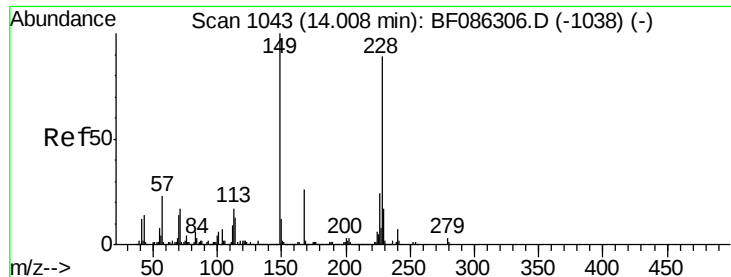
Acq: 21 Apr 2016 2:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.6	6.4	9.6		
122	13.3	11.7	17.5		



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





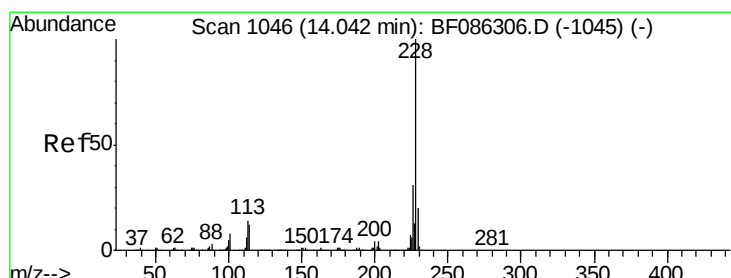
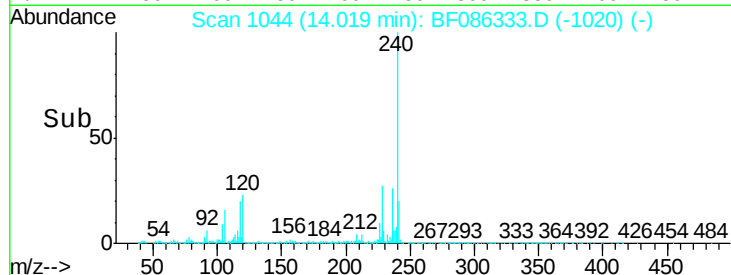
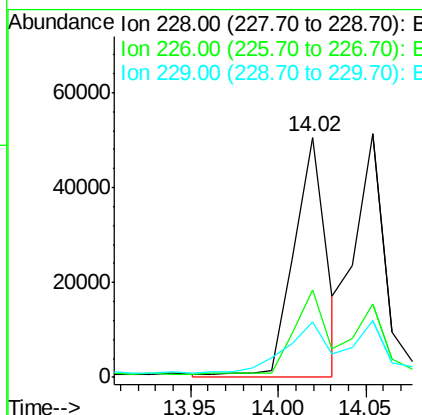
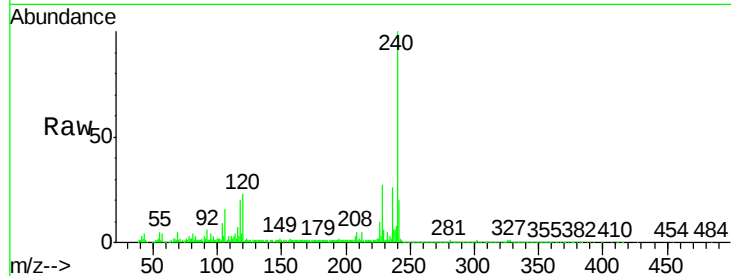
#80
Benzo(a)anthracene
Concen: 3.02 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.2	22.5	33.7#
229	23.1	16.2	24.2

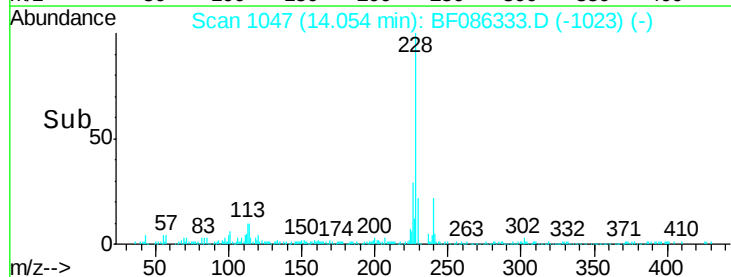
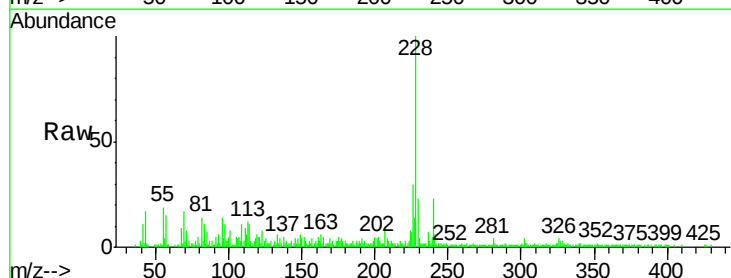
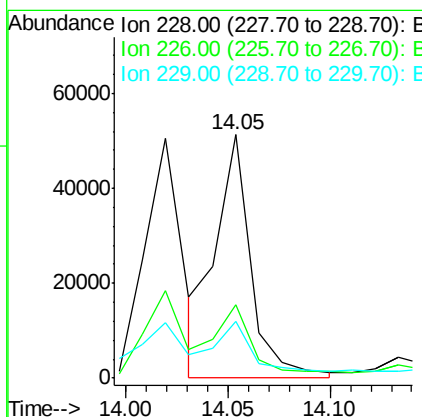
Manual Integrations
APPROVED

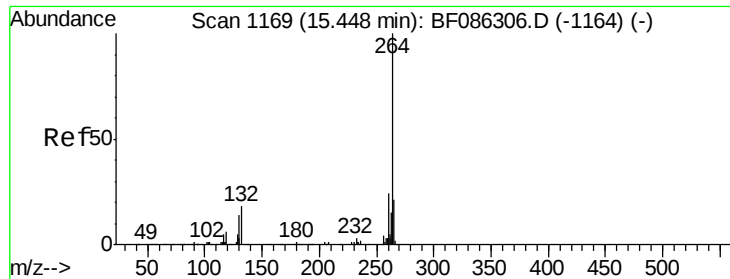
sohil
4/21/2016 7:56:18 PM



#82
Chrysene
Concen: 2.61 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	23.3	16.5	24.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

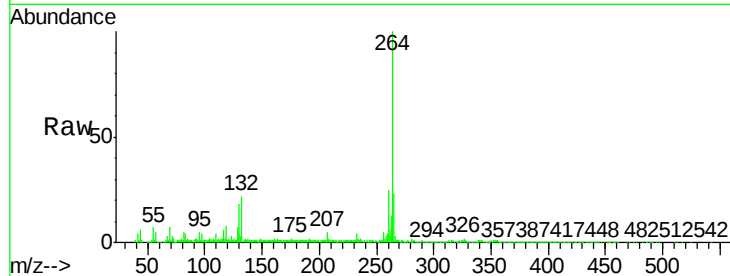
ClientSampleId :

EUT01-TU-B2(5-9)-C

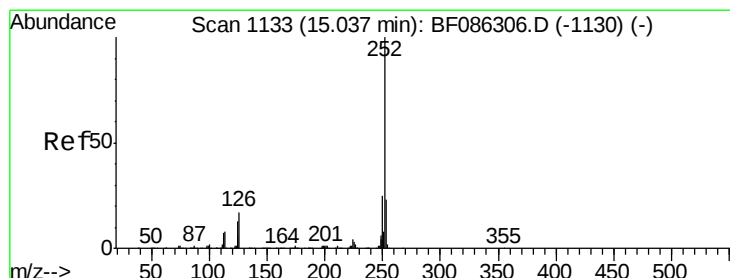
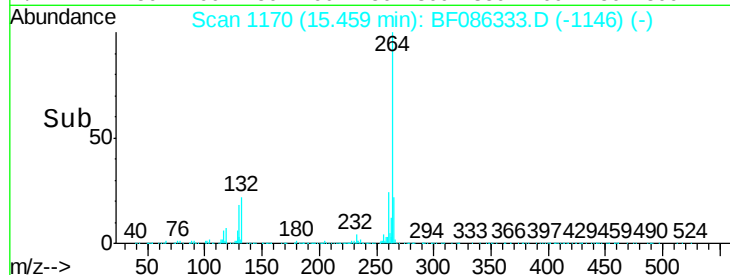
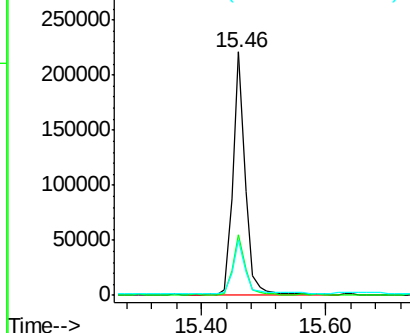
Tot Ion:	264	Resp:	303211
Ion Ratio	Lower	Upper	
264	100		
260	24.7	20.0	30.0
265	22.7	17.4	26.0

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 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



#87

Benzo(b)fluoranthene

Concen: 4.34 ng m

RT: 15.05 min Scan# 1134

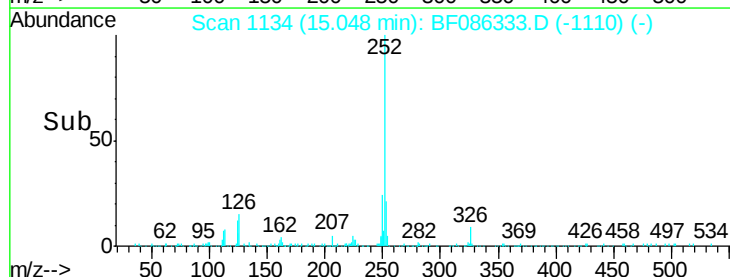
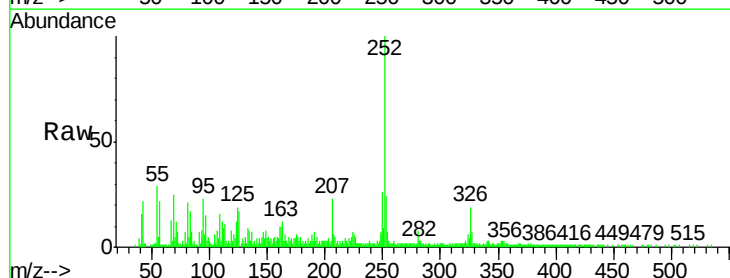
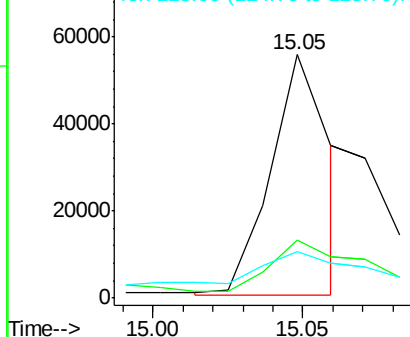
Delta R.T. -0.02 min

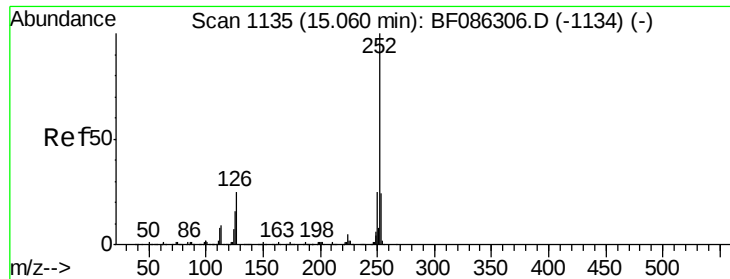
Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Tgt Ion:	252	Resp:	76159
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	18.9	10.3	15.5#

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





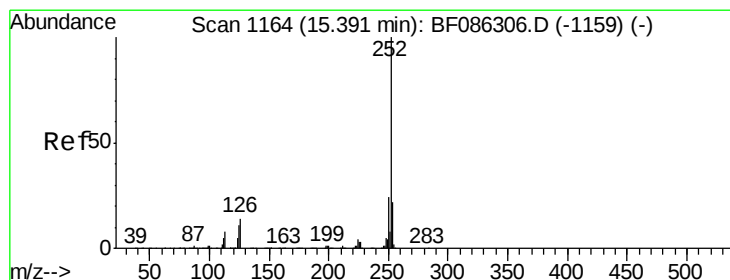
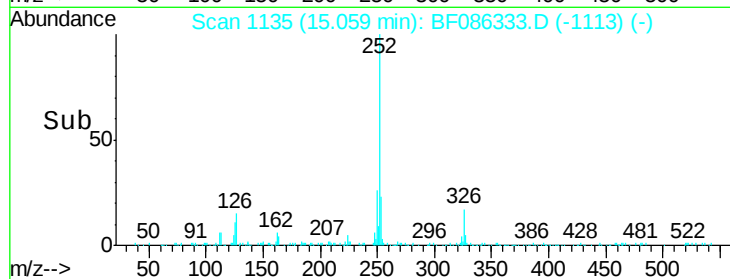
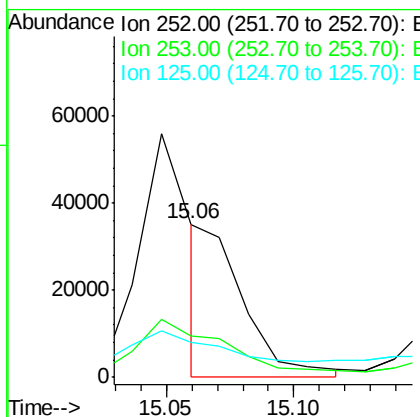
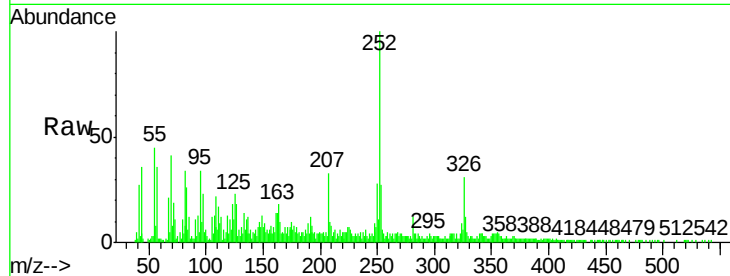
#88
Benzo(k)fluoranthene
Concen: 2.52 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	23.2	7.8	11.6#

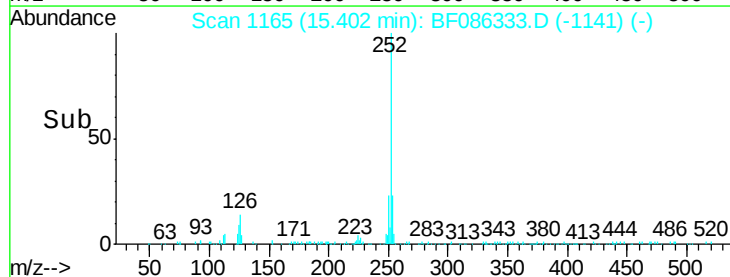
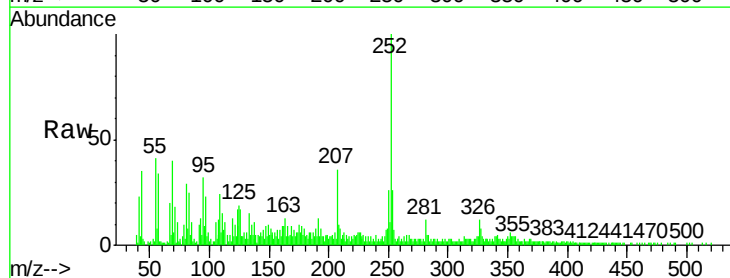
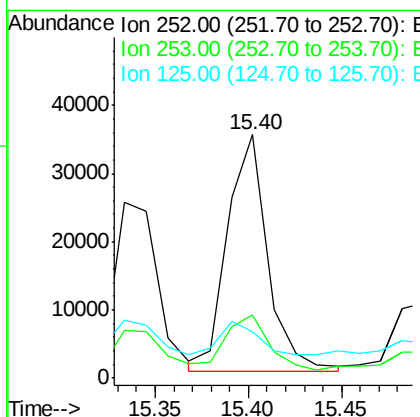
Manual Integrations
APPROVED

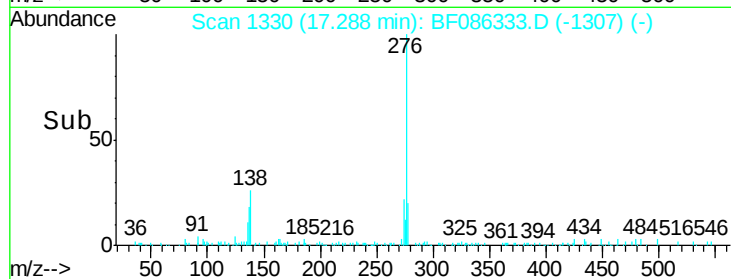
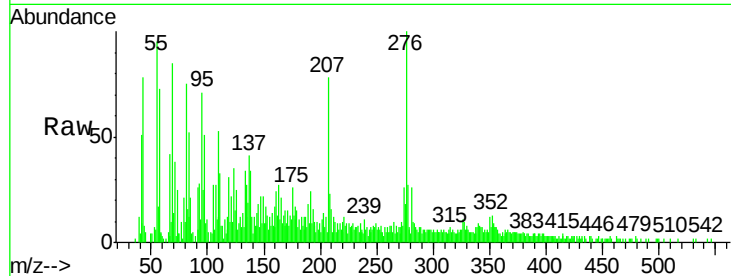
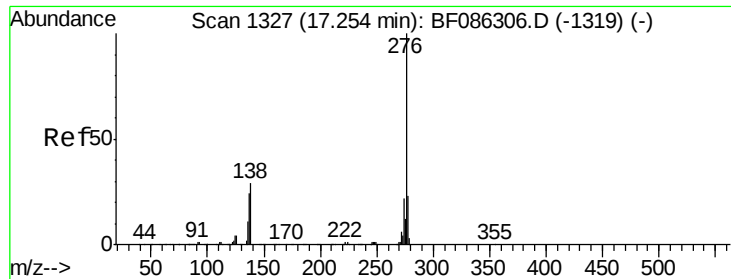
sohil
4/21/2016 7:56:18 PM



#89
Benzo(a)pyrene
Concen: 3.24 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	19.2	11.2	16.8#





#91
Benzo(a,h,i)perylene
Concen: 2.64 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.0	28.6
138	34.1	19.6	29.4

Manual Integrations
APPROVED

sohil
4/21/2016 7:56:18 PM

