

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012137.D
 Acq On : 13 Oct 2017 15:06
 Operator : SJ/JU
 Sample : I5533-03DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-77(0-1)-092817DL

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:35 PM

Quant Time: Oct 14 00:59:59 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	168944	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	723558	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	442425	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1057446	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	1290716	20.00	ng/ul	0.00
83) Perylene-d12	23.76	264	1097126	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	3099	0.87	ng/uL	0.00
5) Phenol-d5	7.02	99	72300	5.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	45125	5.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	62302	5.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	60280	5.11	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	28914	5.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.74	143	33736	5.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	65146	5.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	22988	1.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	217237	5.56	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	266845	5.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.75	143	19739	3.36	ng/ul	0.01
57) Fluorene-d10	15.49	176	191028	5.95	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.64	200	4271	0.59	ng/ul	-0.01
70) Anthracene-d10	17.34	188	311202	5.95	ng/ul	0.00
76) Pyrene-d10	19.64	212	374826	5.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	303512	5.74	ng/ul	-0.01

Target Compounds

						Qvalue
47) Acenaphthylene	14.22	152	72373	1.56	ng/ul	97
69) Phenanthrene	17.29	178	709947	11.80	ng/ul	99
71) Anthracene	17.38	178	193533	3.11	ng/ul	97
74) Fluoranthene	19.30	202	1803362	24.84	ng/ul#	92
77) Pyrene	19.67	202	1651105	19.37	ng/ul#	92
80) Benzo(a)anthracene	21.41	228	971475	11.57	ng/ul	98
82) Chrysene	21.46	228	808868m	10.26	ng/ul	
85) Benzo(b)fluoranthene	23.06	252	827967	11.56	ng/ul#	93
86) Benzo(k)fluoranthene	23.09	252	331881m	4.81	ng/ul	
88) Benzo(a)pyrene	23.66	252	618485	9.17	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.15	276	337627	4.71	ng/ul#	88
90) Dibenzo(a,h)anthracene	26.14	278	98142	1.63	ng/ul#	60
91) Benzo(g,h,i)perylene	26.89	276	309788	5.28	ng/ul#	85

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

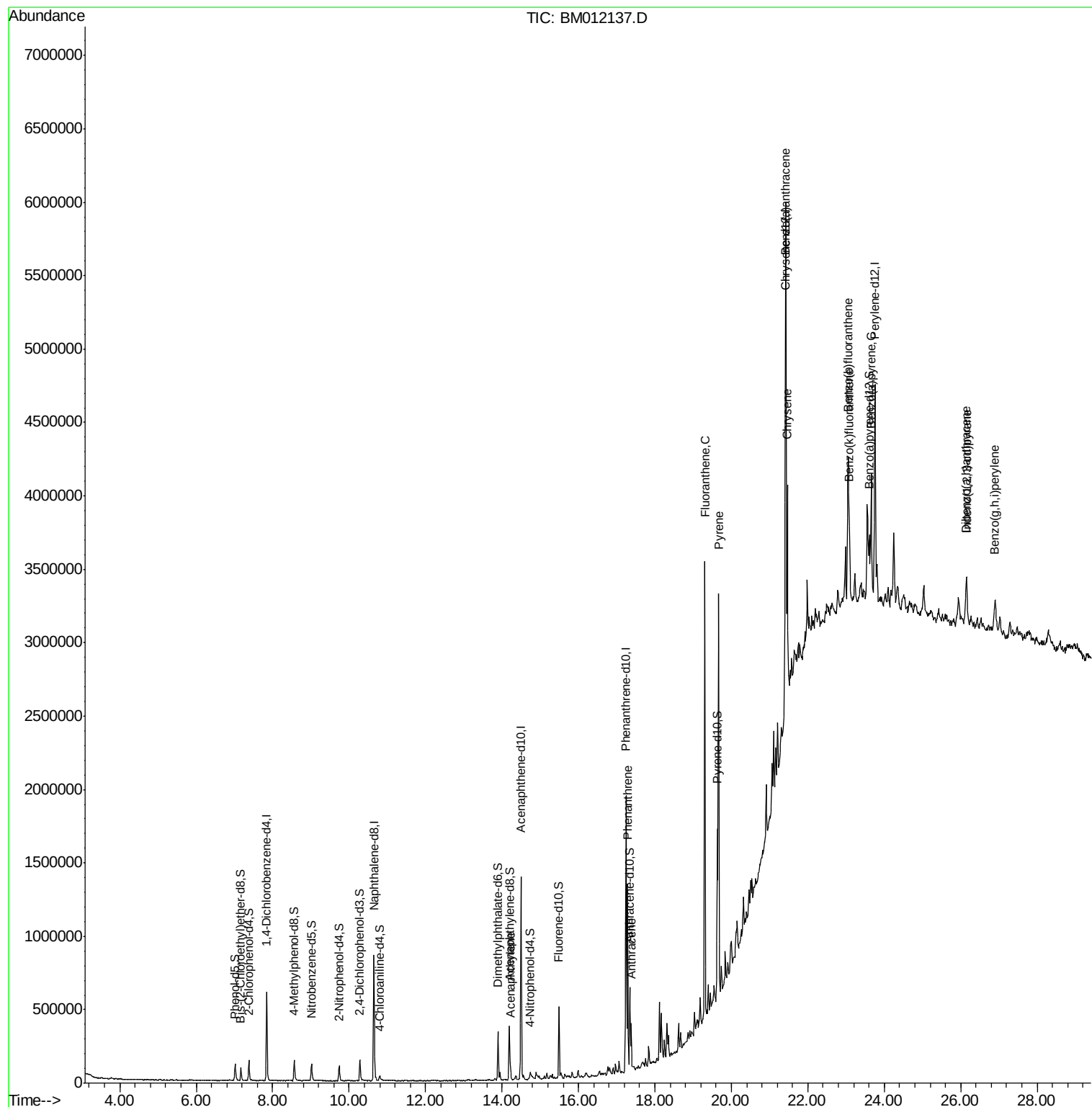
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012137.D
Acq On : 13 Oct 2017 15:06
Operator : SJ/JU
Sample : I5533-03DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

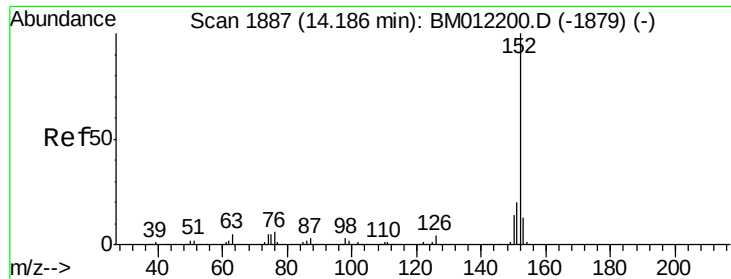
Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817DL

Quant Time: Oct 14 00:59:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:35 PM





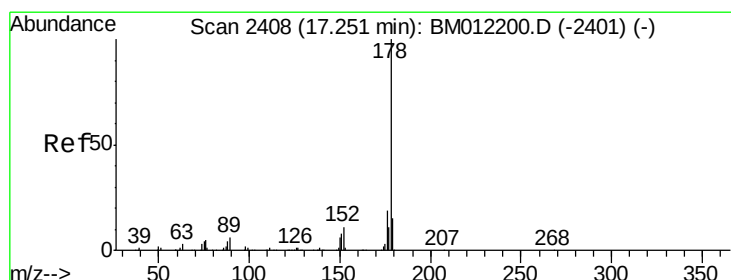
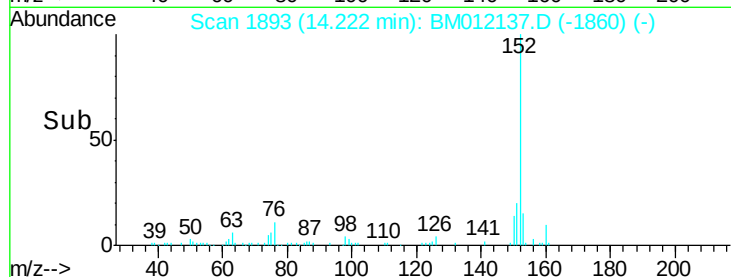
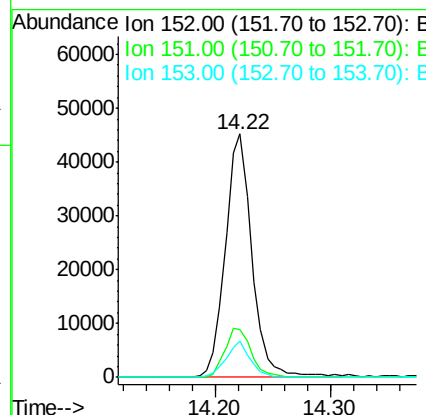
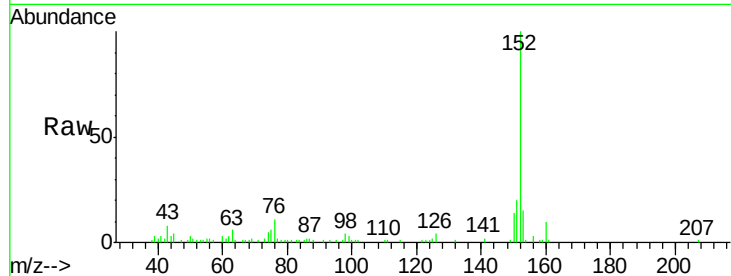
#47
Acenaphthylene
Concen: 1.56 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	14.9	10.2	15.4

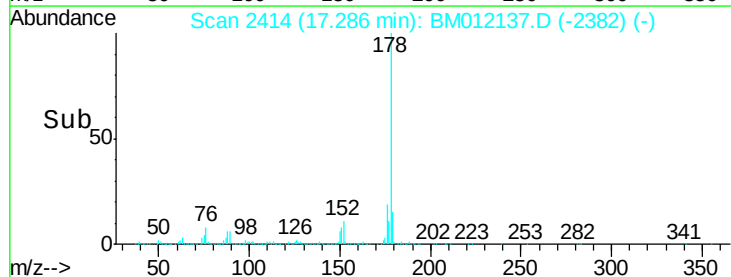
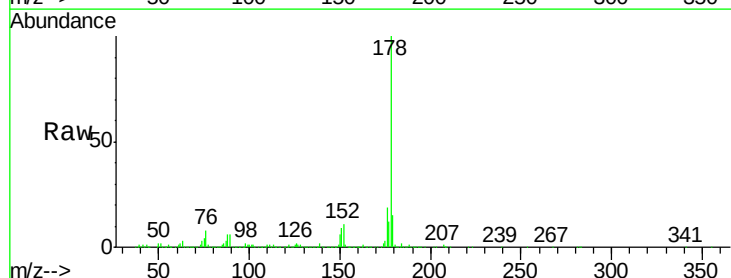
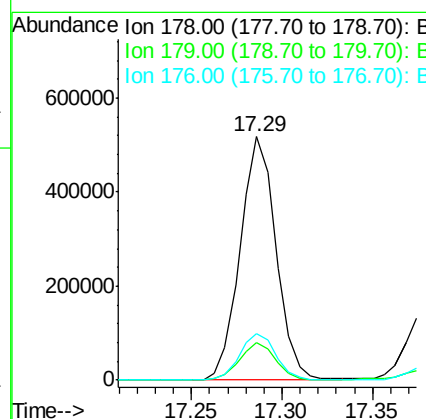
Manual Integrations
APPROVED

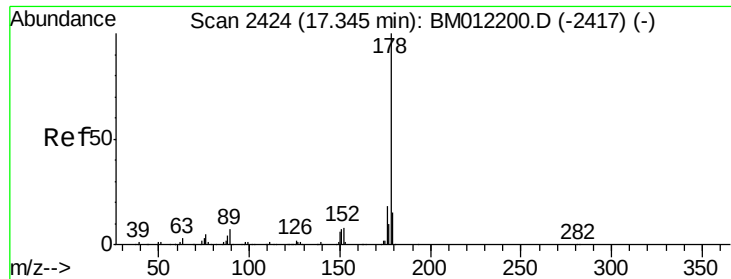
Sohil
10/15/2017 12:37:35 PM



#69
Phenanthrene
Concen: 11.80 ng/ul
RT: 17.29 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.1	14.9	22.3





#71

Anthracene

Concen: 3.11 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM012137.D

Acq: 13 Oct 2017 15:06

Instrument :

BNA_M

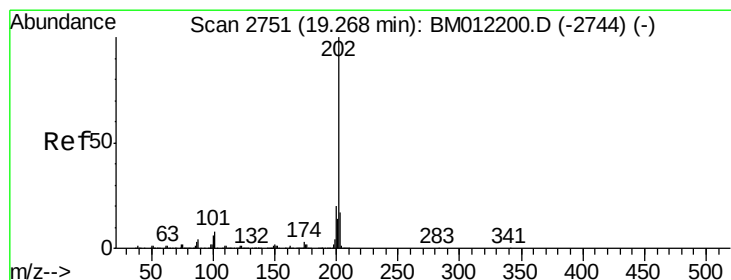
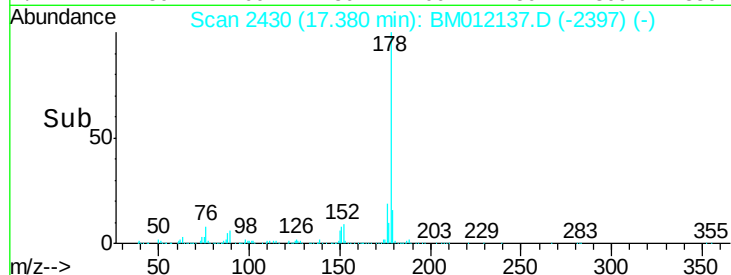
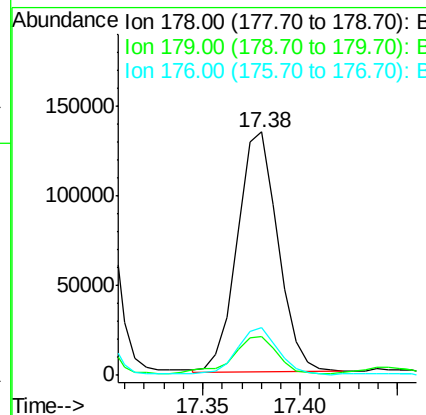
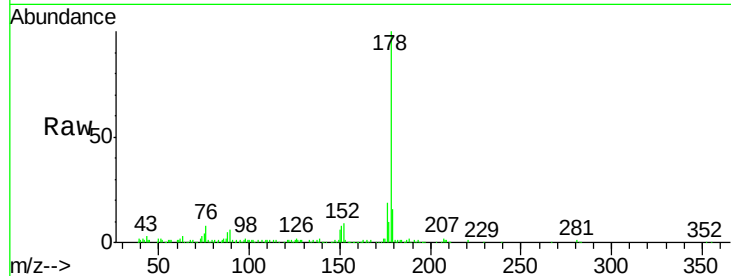
ClientSampleId :

B-77(0-1)-092817DL

Tgt Ion:	178	Resp:	193533
Ion Ratio	Lower	Upper	
178	100		
179	15.9	11.7	17.5
176	19.4	14.6	21.8

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:35 PM



#74

Fluoranthene

Concen: 24.84 ng/ul

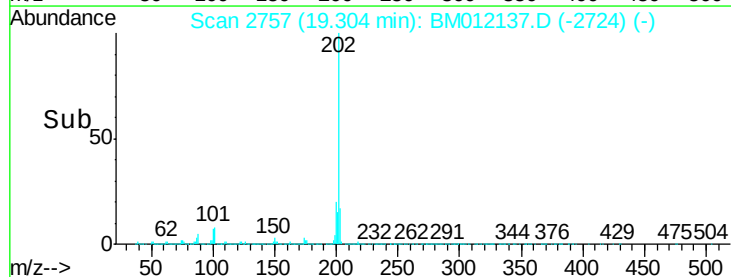
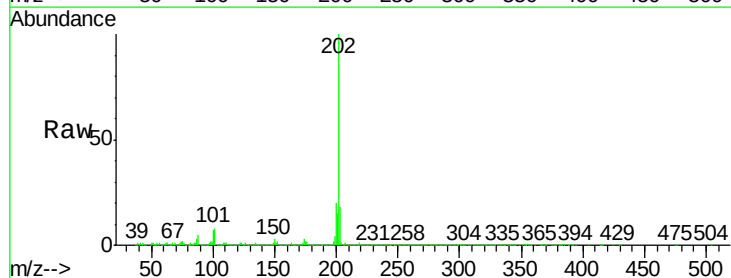
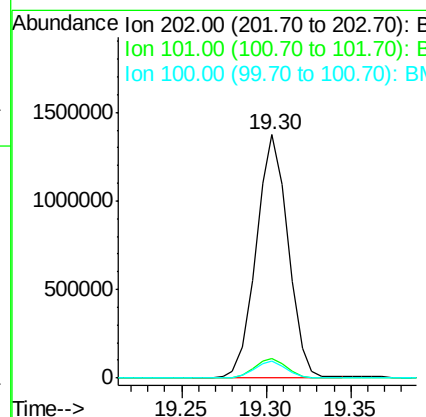
RT: 19.30 min Scan# 2757

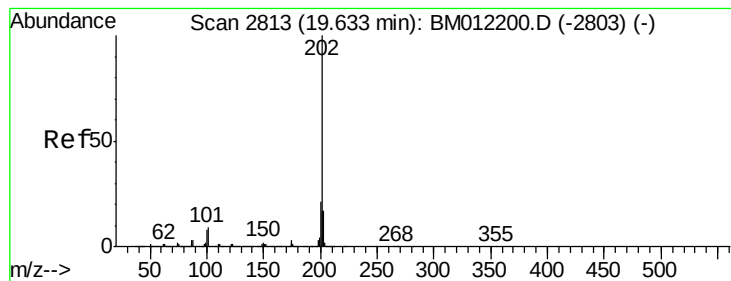
Delta R.T. -0.01 min

Lab File: BM012137.D

Acq: 13 Oct 2017 15:06

Tgt Ion:	202	Resp:	1803362
Ion Ratio	Lower	Upper	
202	100		
101	8.3	4.6	7.0#
100	6.9	3.4	5.2#





#77

Pyrene

Concen: 19.37 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BM012137.D

Acq: 13 Oct 2017 15:06

Instrument :

BNA_M

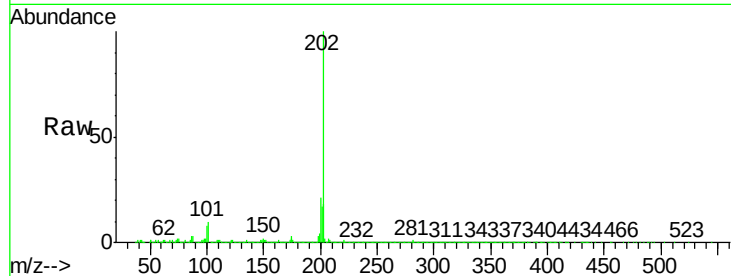
ClientSampleId :

B-77(0-1)-092817DL

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.0	5.1	7.7#	
100	8.1	4.9	7.3#	

Manual Integrations
APPROVED

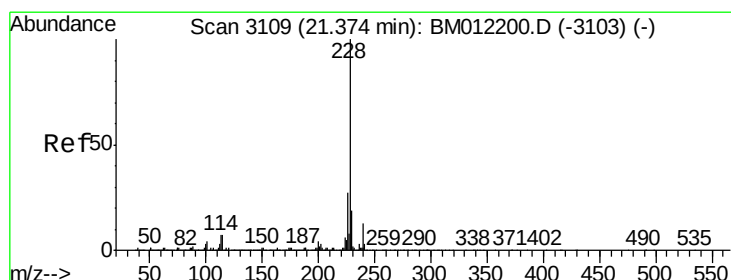
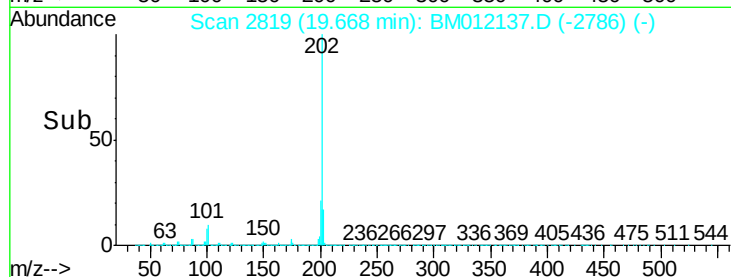
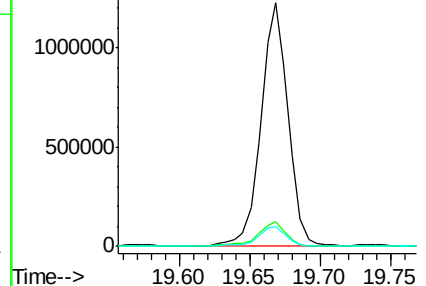
Sohil
10/15/2017 12:37:35 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 11.57 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. -0.01 min

Lab File: BM012137.D

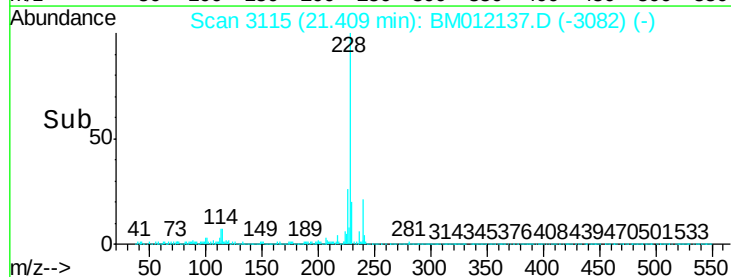
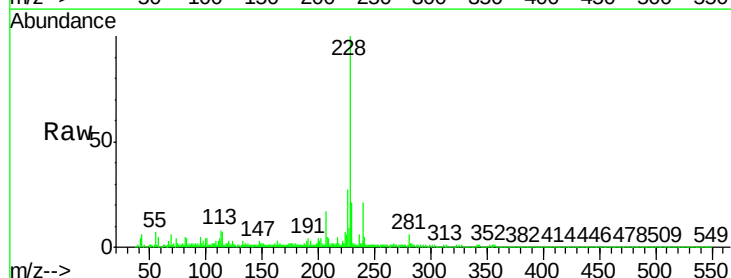
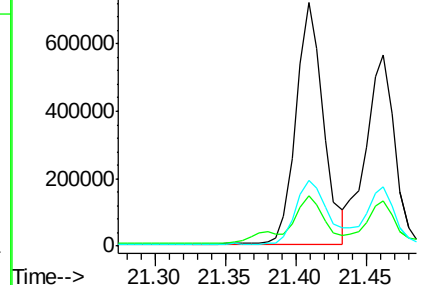
Acq: 13 Oct 2017 15:06

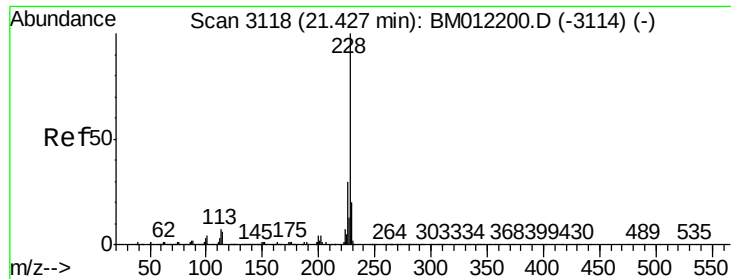
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	20.8	15.4	23.0	
226	27.0	21.4	32.0	

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





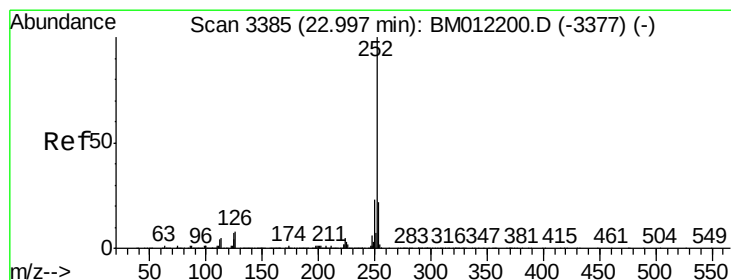
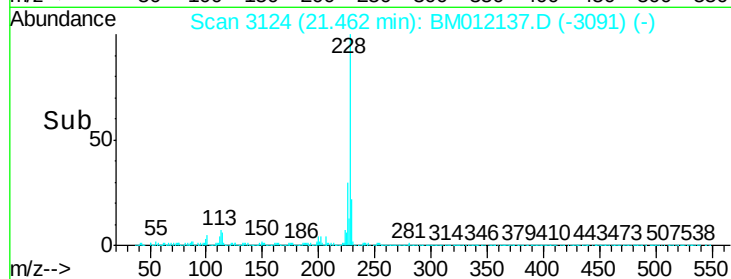
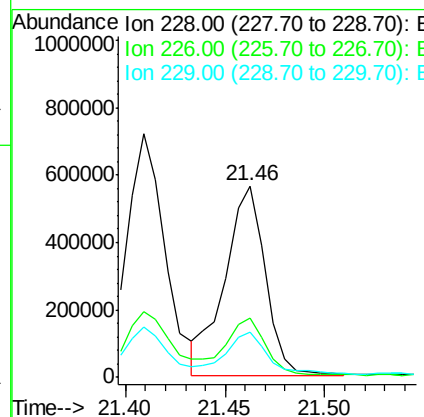
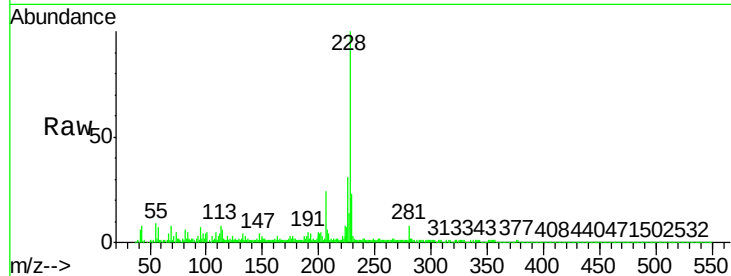
#82
Chrysene
Concen: 10.26 ng/ul m
RT: 21.46 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.9	23.4	35.2
229	23.5	15.5	23.3#

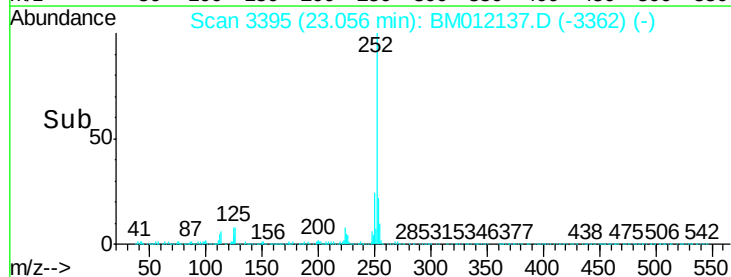
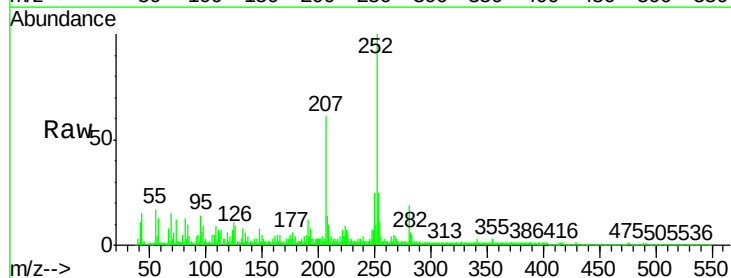
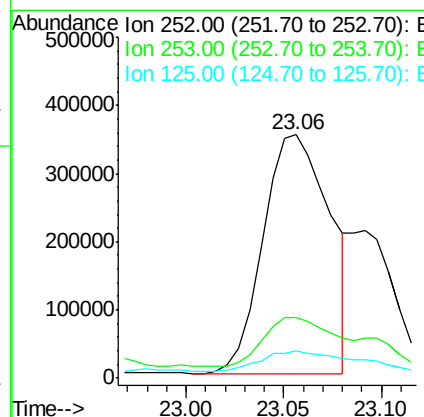
Manual Integrations
APPROVED

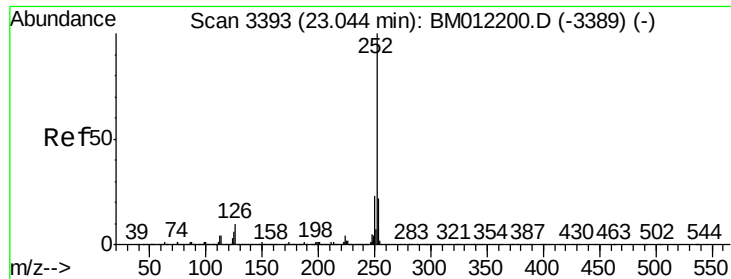
Sohil
10/15/2017 12:37:35 PM



#85
Benzo(b)fluoranthene
Concen: 11.56 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	17.9	26.9
125	11.1	3.6	5.4#





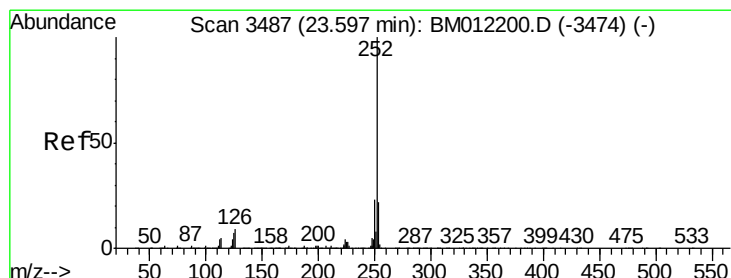
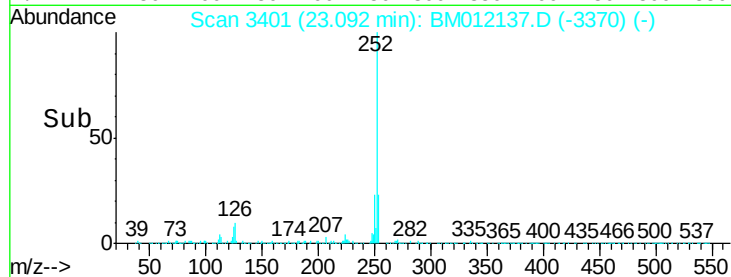
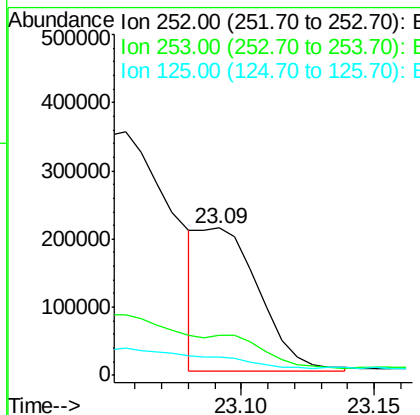
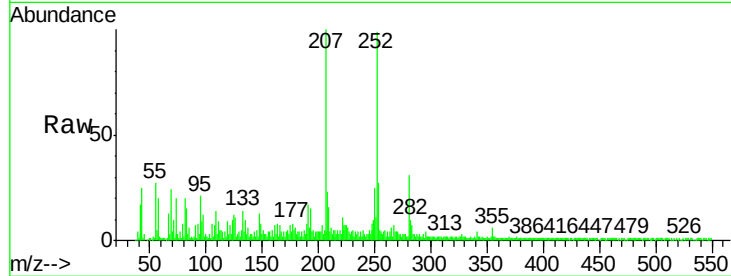
#86
Benzo(k)fluoranthene
Concen: 4.81 ng/ul m
RT: 23.09 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	27.0	17.1	25.7#
125	12.2	3.4	5.2#

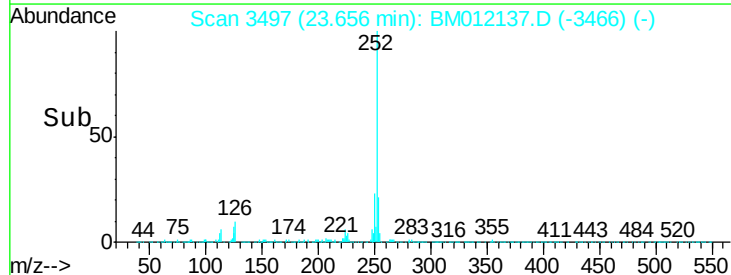
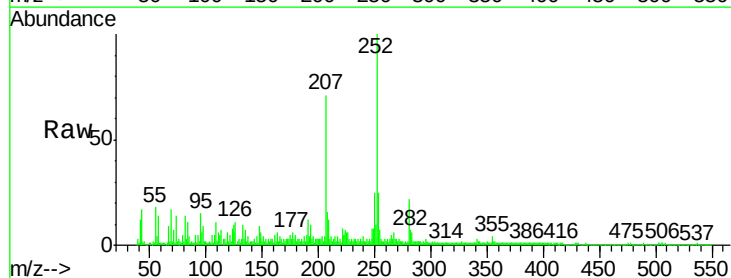
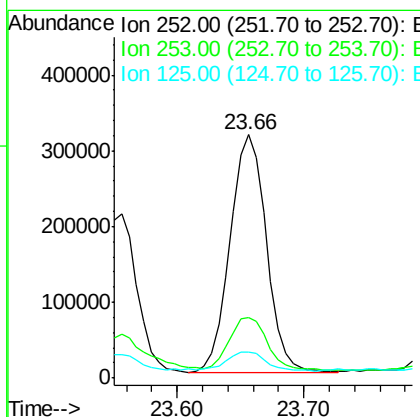
Manual Integrations
APPROVED

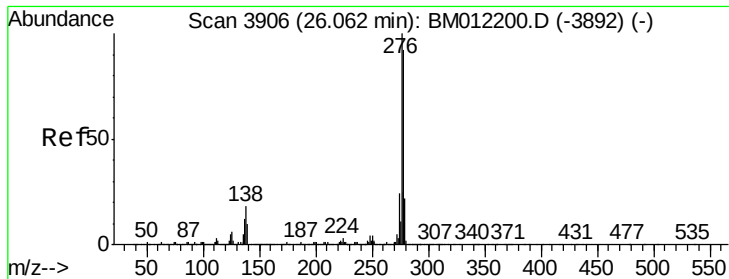
Sohil
10/15/2017 12:37:35 PM



#88
Benzo(a)pyrene
Concen: 9.17 ng/ul
RT: 23.66 min Scan# 3497
Delta R.T. -0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.7	18.2	27.2
125	10.4	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.71 ng/ul

RT: 26.15 min Scan# 3921

Delta R.T. -0.02 min

Lab File: BM012137.D

Acq: 13 Oct 2017 15:06

Instrument :

BNA_M

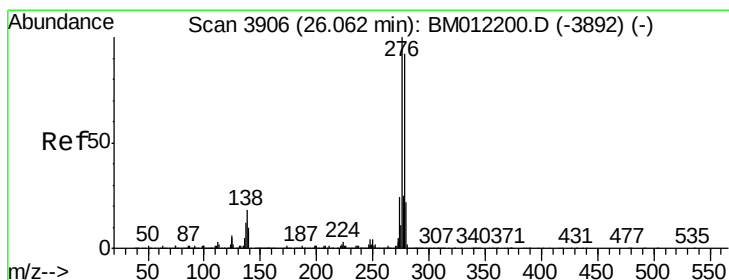
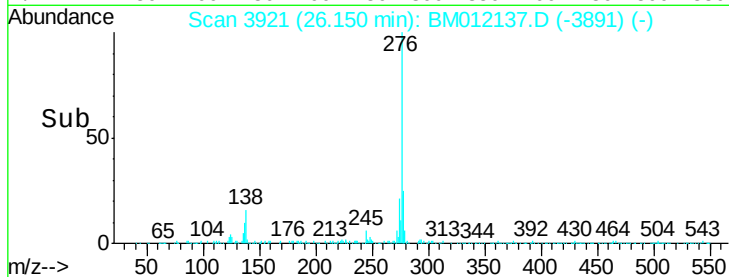
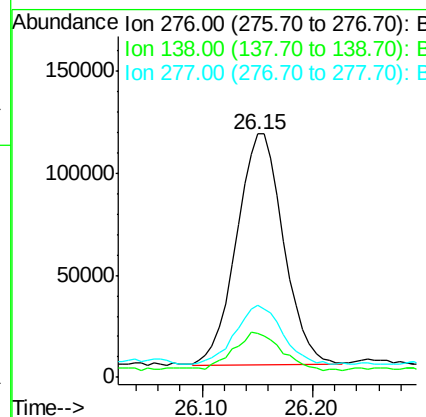
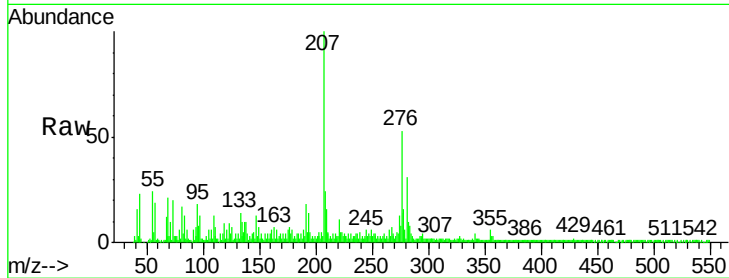
ClientSampleId :

B-77(0-1)-092817DL

Tgt Ion:	276	Resp:	337627
Ion Ratio		Lower	Upper
276	100		
138	18.1	9.3	13.9#
277	29.5	19.9	29.9

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:35 PM



#90

Dibenzo(a,h)anthracene

Concen: 1.63 ng/ul

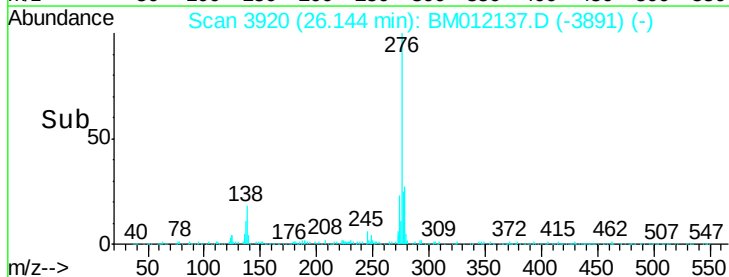
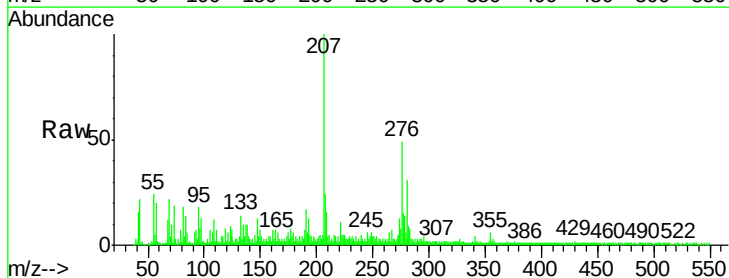
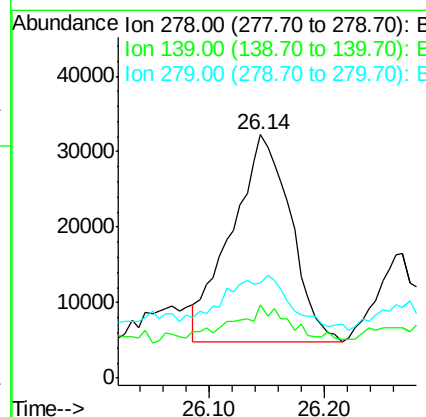
RT: 26.14 min Scan# 3920

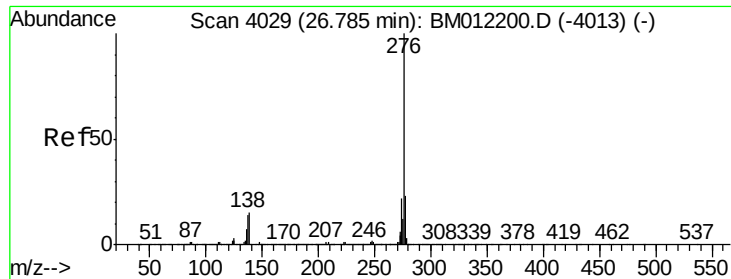
Delta R.T. -0.03 min

Lab File: BM012137.D

Acq: 13 Oct 2017 15:06

Tgt Ion:	278	Resp:	98142
Ion Ratio		Lower	Upper
278	100		
139	30.2	5.8	8.8#
279	39.0	18.6	27.8#





#91
 Benzo(g,h,i)perylene
 Concen: 5.28 ng/ul
 RT: 26.89 min Scan# 4047
 Delta R.T. -0.03 min
 Lab File: BM012137.D
 Acq: 13 Oct 2017 15:06

Instrument :
 BNA_M
 ClientSampleId :
 B-77(0-1)-092817DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
138	19.9	8.5	12.7#		
277	28.8	18.6	28.0#		

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:35 PM

