

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
 Data File : BG043113.D
 Acq On : 9 Oct 2019 21:36
 Operator : JU
 Sample : K5175-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BEPF7

Manual Integrations
 APPROVED

mohammad
 10/12/2019 7:31:33 AM

Quant Time: Oct 10 16:34:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 09 15:33:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	57002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	230371	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.67	164	166505	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.42	188	389652	20.00	ng/ul	0.00
77) Chrysene-d12	21.69	240	423370	20.00	ng/ul	0.00
85) Perylene-d12	24.91	264	495836	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	5182	4.40	ng/uL	0.00
5) Phenol-d5	7.22	99	83179	19.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	53512	22.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	73813	21.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	53310	14.67	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	39151	24.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	43739	23.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	77252	19.97	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	69962	17.37	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	318006	23.75	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	350914	24.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	28469m	16.04	ng/ul	0.00
57) Fluorene-d10	15.67	176	277253	24.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.78	200	48723	19.49	ng/ul	0.00
70) Anthracene-d10	17.52	188	451851	24.55	ng/ul	0.00
78) Pyrene-d10	19.80	212	585168	28.03	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.68	264	666435	27.20	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.26	94	7523m	1.749	ng/ul
44) Dimethylphthalate	14.13	163	143949	11.134	ng/ul 98
69) Phenanthrene	17.46	178	84335	4.193	ng/ul 99
76) Fluoranthene	19.47	202	185737	7.238	ng/ul 99
79) Pyrene	19.83	202	218387	8.387	ng/ul 99
82) Benzo(a)anthracene	21.67	228	141264	4.987	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.58	149	46632	3.316	ng/ul 98
84) Chrysene	21.74	228	152556	5.722	ng/ul 100
87) Benzo(b)fluoranthene	23.89	252	157253m	5.329	ng/ul
88) Benzo(k)fluoranthene	23.94	252	45001	1.560	ng/ul 94
90) Benzo(a)pyrene	24.75	252	127365	4.510	ng/ul 93
91) Indeno(1,2,3-cd)pyrene	28.56	276	68311	1.995	ng/ul# 97
93) Benzo(g,h,i)perylene	29.70	276	65439	2.255	ng/ul 94

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

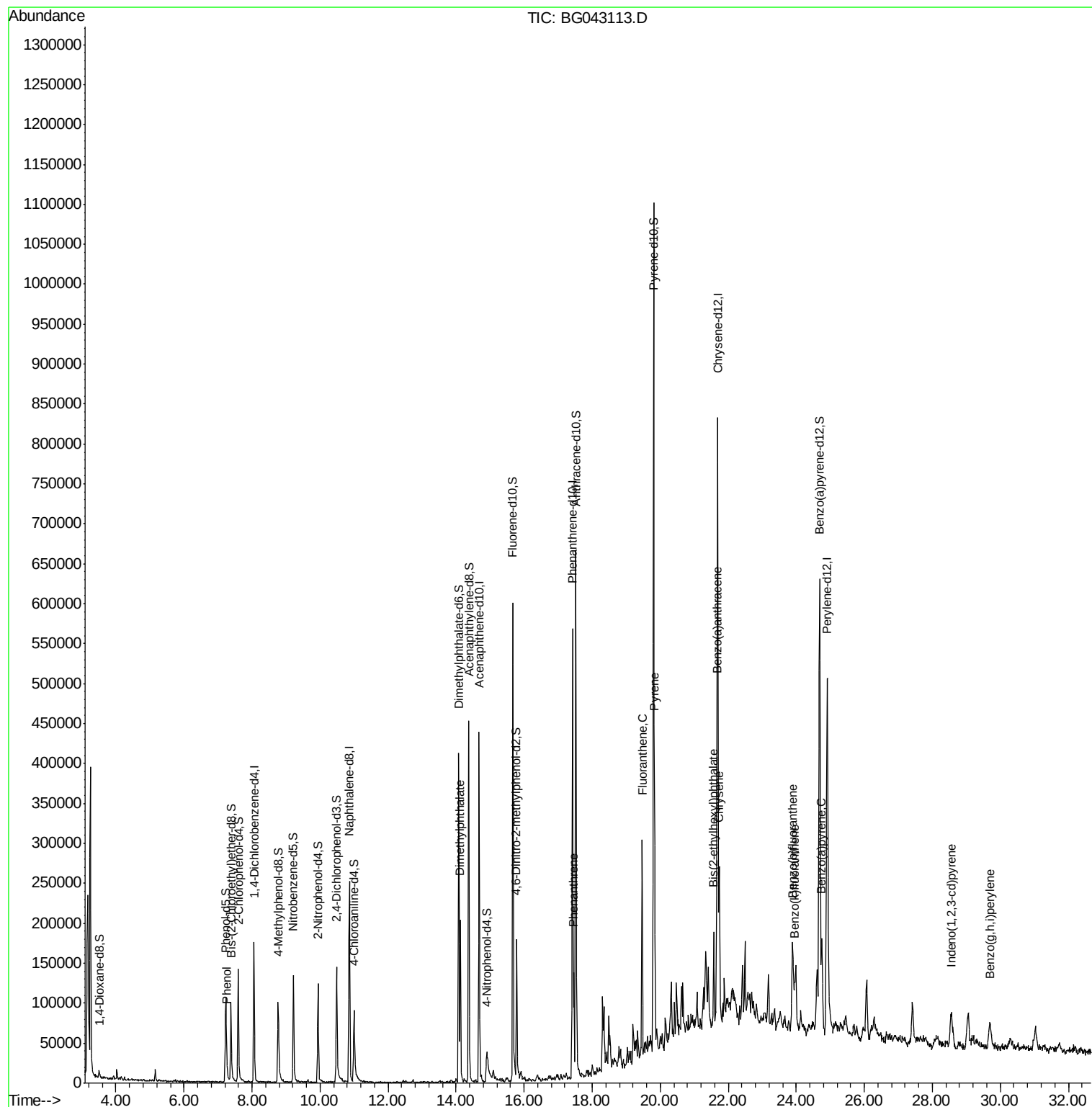
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043113.D
Acq On : 9 Oct 2019 21:36
Operator : JU
Sample : K5175-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

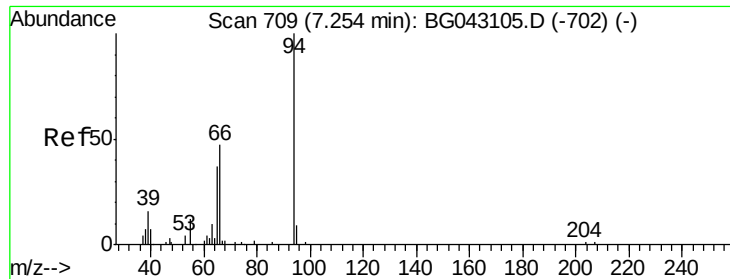
Instrument :
BNA_G
ClientSampleId :
BEPF7

Manual Integrations
APPROVED

mohammad
10/12/2019 7:31:33 AM

Quant Time: Oct 10 16:34:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 09 15:33:22 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.749 ng/ul m

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG043113.D

Acq: 9 Oct 2019 21:36

Instrument :

BNA_G

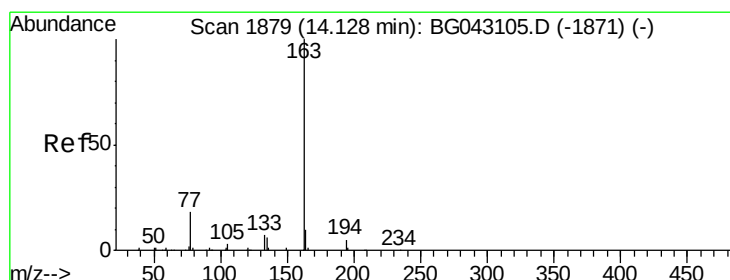
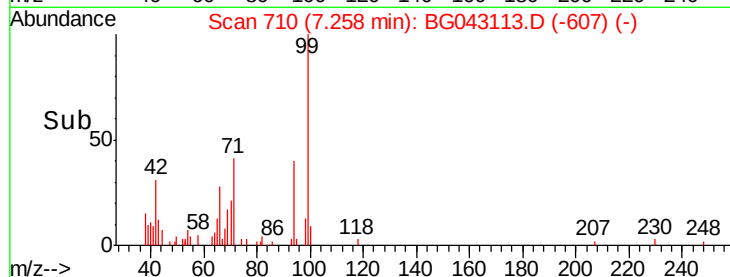
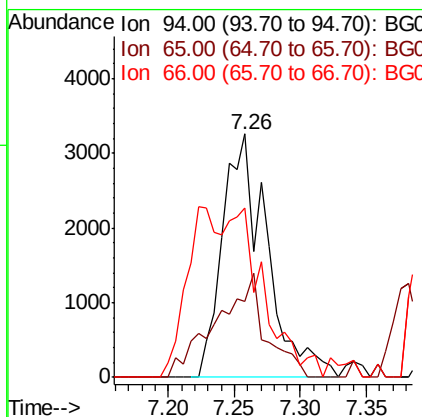
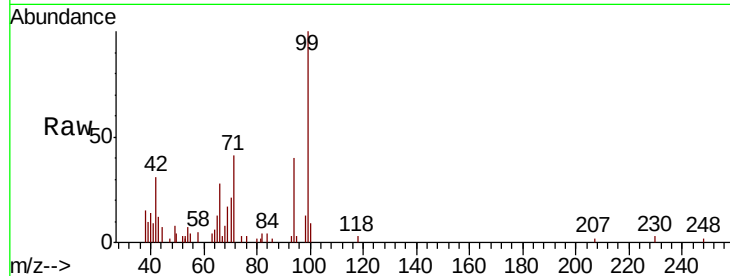
ClientSampleId :

BEPF7

Tot Ion:	94	Resp:	7523
Ion	Ratio	Lower	Upper
94	100		
65	31.2	27.2	40.8
66	69.6	38.7	58.1#

Manual Integrations
APPROVED

mohammad
10/12/2019 7:31:33 AM



#44

Dimethylphthalate

Concen: 11.134 ng/ul

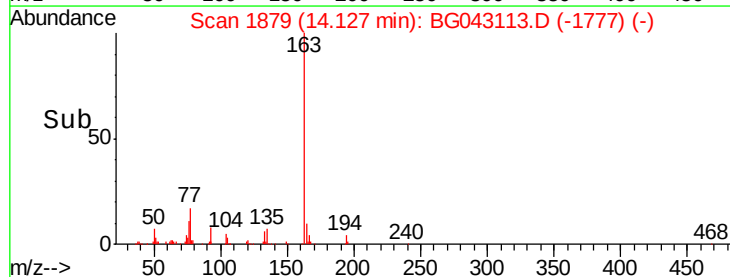
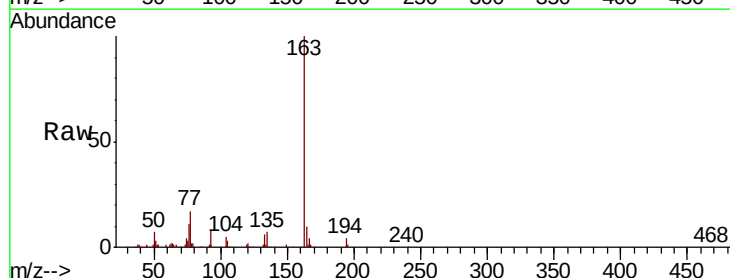
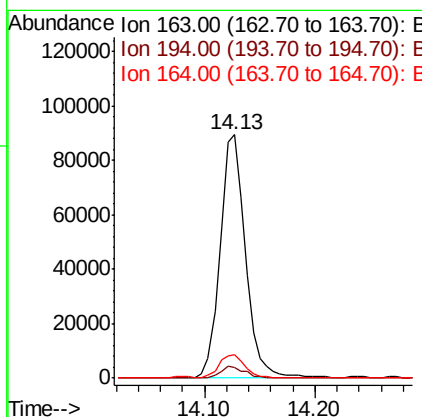
RT: 14.13 min Scan# 1879

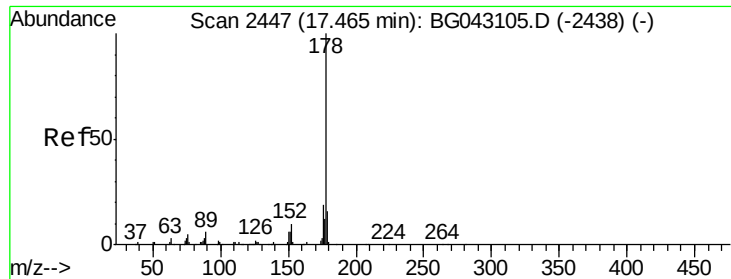
Delta R.T. 0.00 min

Lab File: BG043113.D

Acq: 9 Oct 2019 21:36

Tgt Ion:	163	Resp:	143949
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	9.6	8.6	12.8





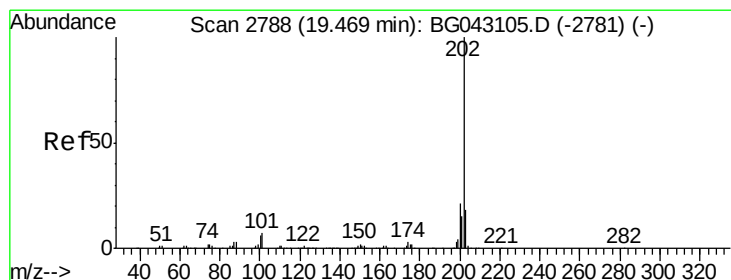
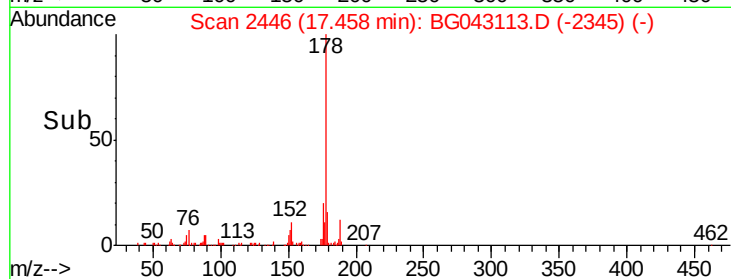
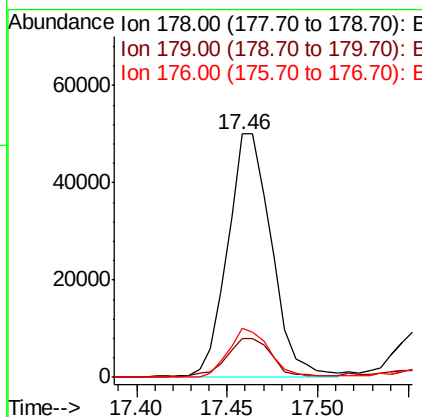
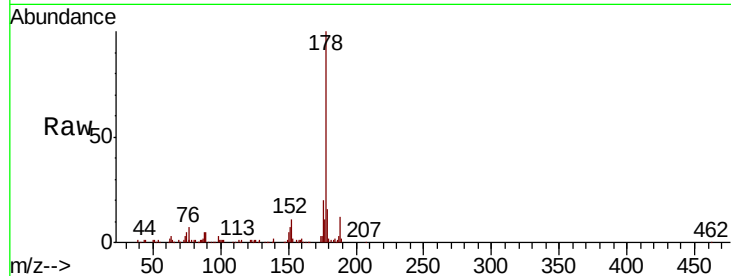
#69
Phenanthrene
Concen: 4.193 ng/ul
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Instrument :
BNA_G
ClientSampleId :
BEPF7

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.0	19.4
176	19.9	15.2	22.8

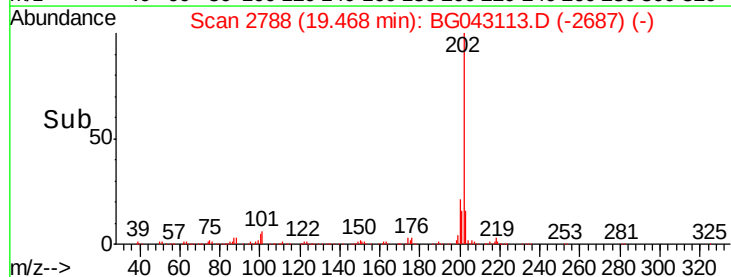
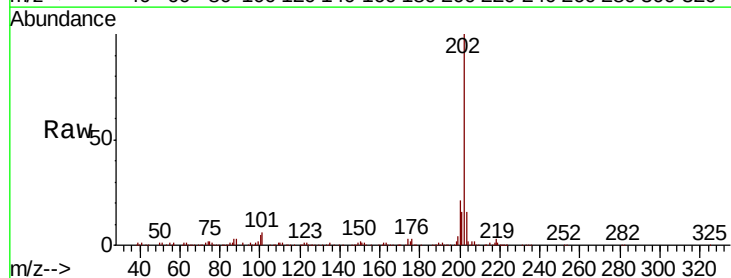
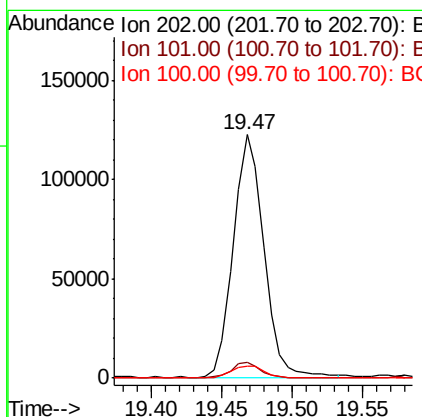
Manual Integrations
APPROVED

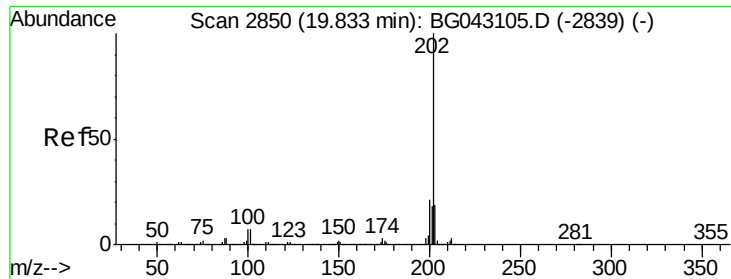
mohammad
10/12/2019 7:31:33 AM



#76
Fluoranthene
Concen: 7.238 ng/ul
RT: 19.47 min Scan# 2788
Delta R.T. -0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.0	7.6
100	4.9	4.6	7.0





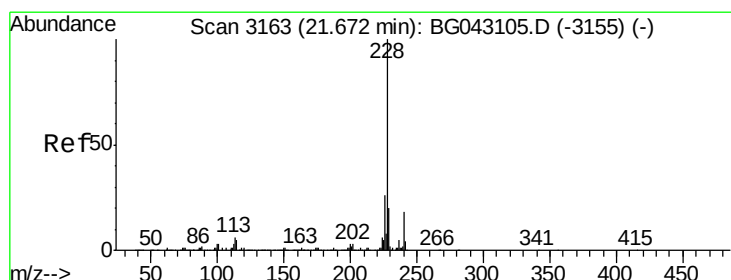
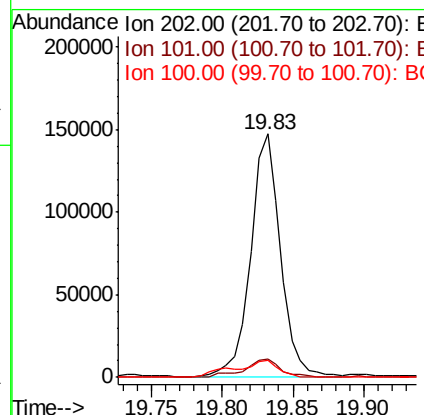
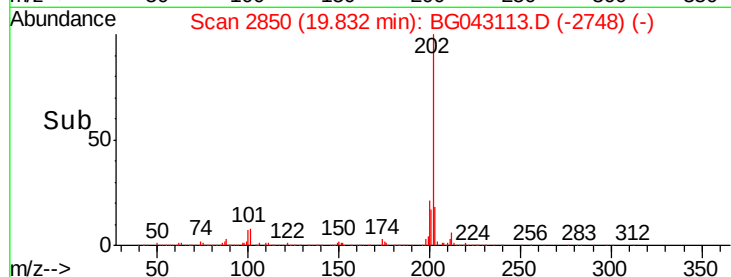
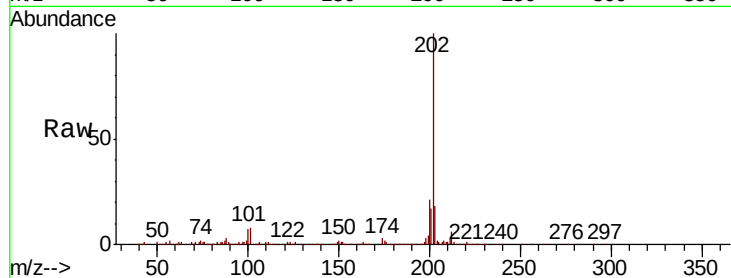
#79
Pvrene
Concen: 8.387 ng/ul
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Instrument :
BNA_G
ClientSampleId :
BEPF7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.5	6.2	9.4
100	7.1	5.4	8.2

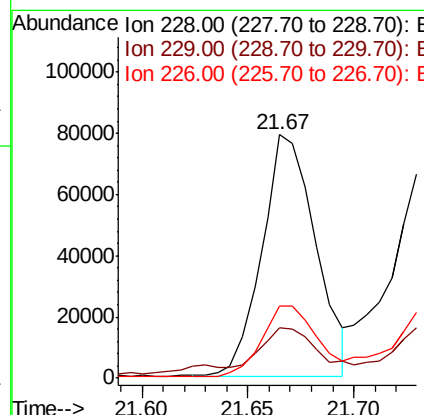
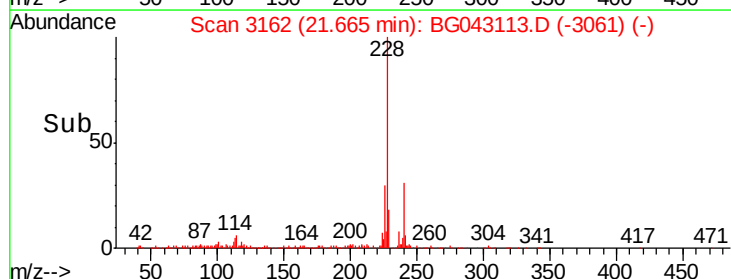
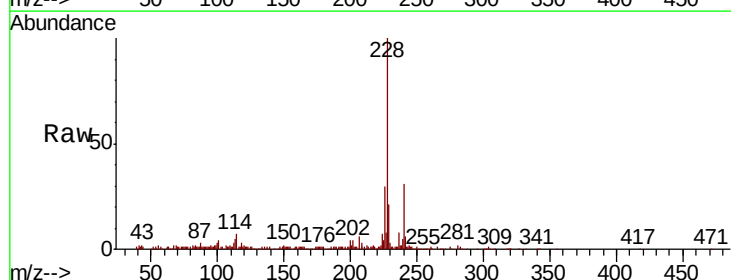
Manual Integrations
APPROVED

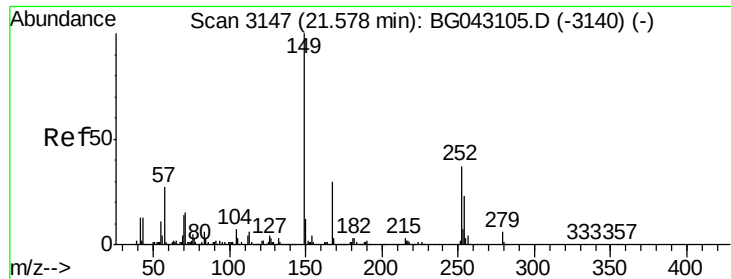
mohammad
10/12/2019 7:31:33 AM



#82
Benzo(a)anthracene
Concen: 4.987 ng/ul
RT: 21.67 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.7	16.2	24.2
226	29.8	21.0	31.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.316 ng/ul

RT: 21.58 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG043113.D

Acq: 9 Oct 2019 21:36

Instrument :

BNA_G

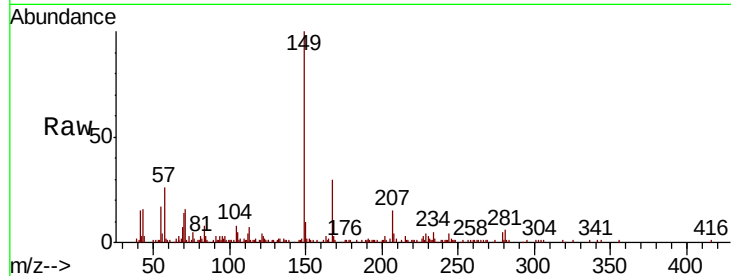
ClientSampleId :

BEPF7

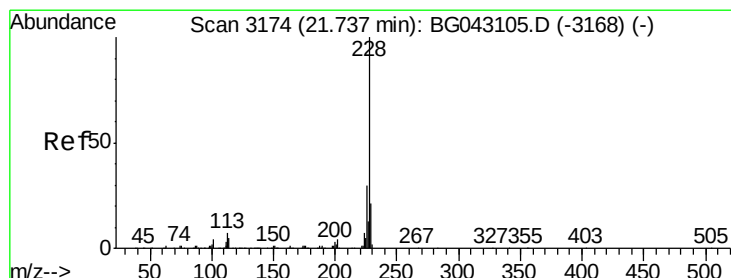
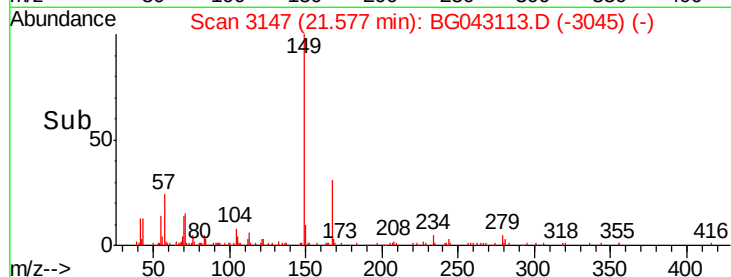
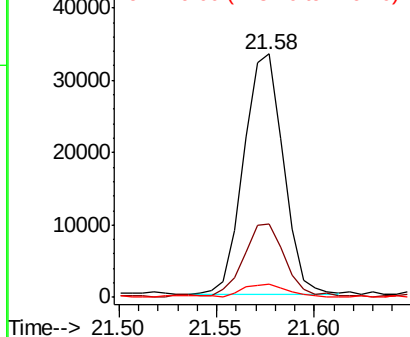
Tot Ion:	149	Resp:	46632
Ion Ratio	Lower	Upper	
149	100		
167	30.2	23.2	34.8
279	5.4	4.7	7.1

Manual Integrations
APPROVED

mohammad
10/12/2019 7:31:33 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 5.722 ng/ul

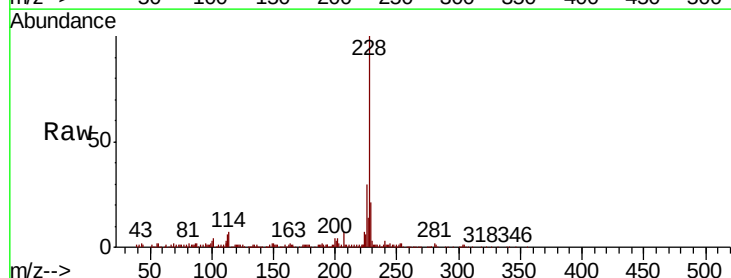
RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

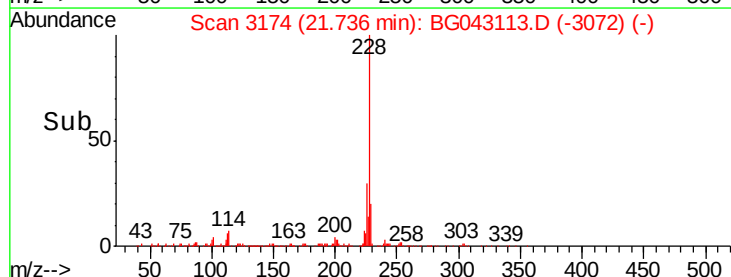
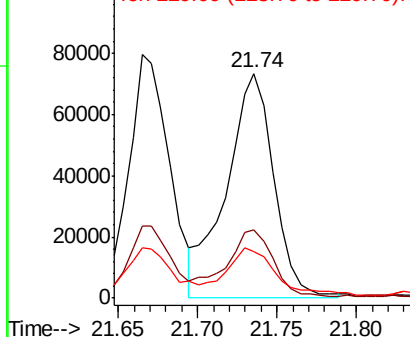
Lab File: BG043113.D

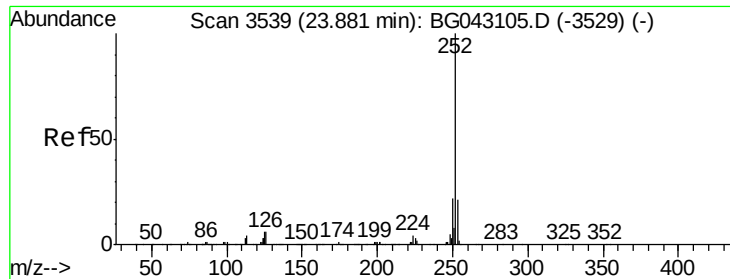
Acq: 9 Oct 2019 21:36

Tgt Ion:	228	Resp:	152556
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.2	36.2
229	20.8	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





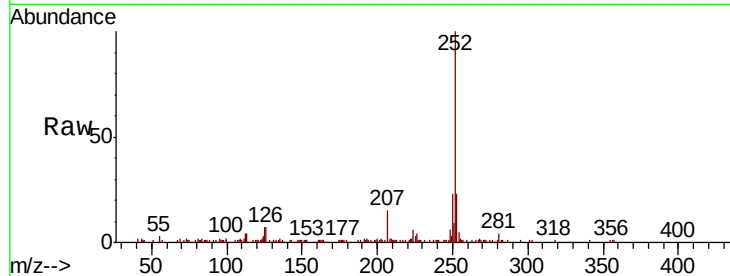
#87
Benzo(b)fluoranthene
Concen: 5.329 ng/ul m
RT: 23.89 min Scan# 3541
Delta R.T. 0.01 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Instrument :
BNA_G
ClientSampleId :
BEPF7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.4	24.6
125	7.2	4.6	7.0

Manual Integrations
APPROVED

mohammad
10/12/2019 7:31:33 AM

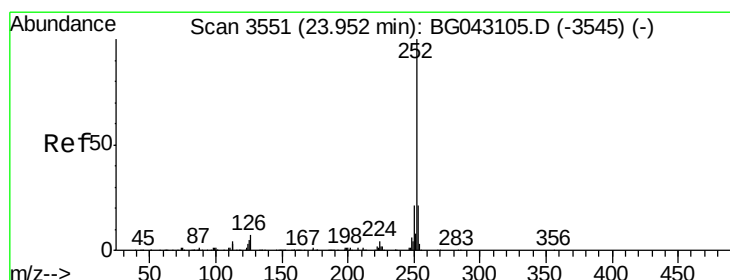
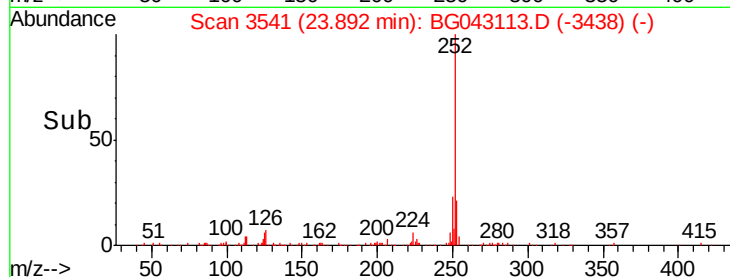
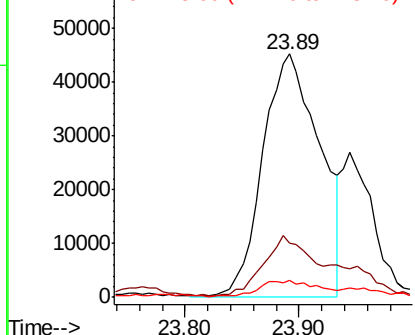


Abundance

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: 1.560 ng/ul
RT: 23.94 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

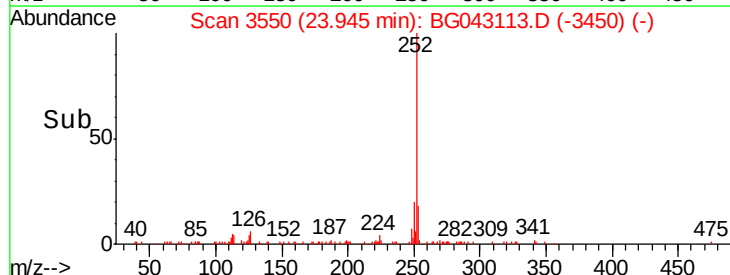
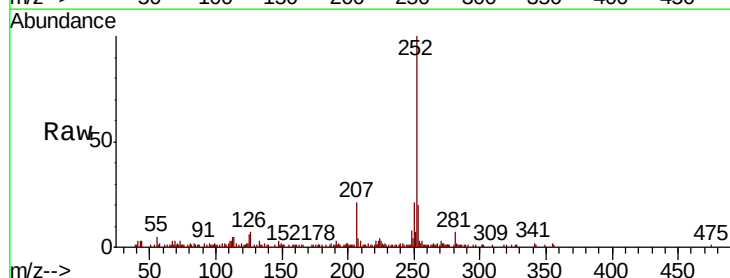
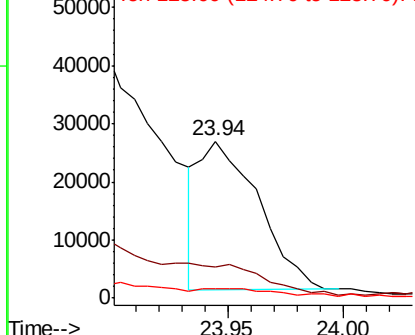
Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.8	18.4	27.6
125	6.3	4.4	6.6

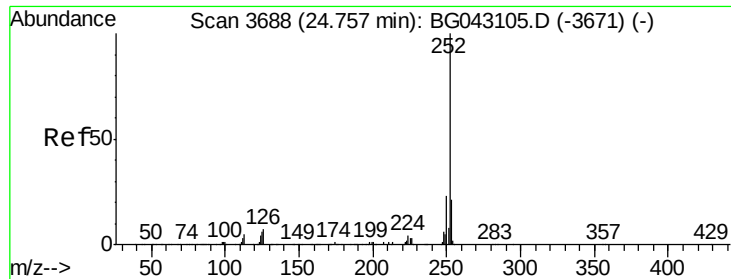
Abundance

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





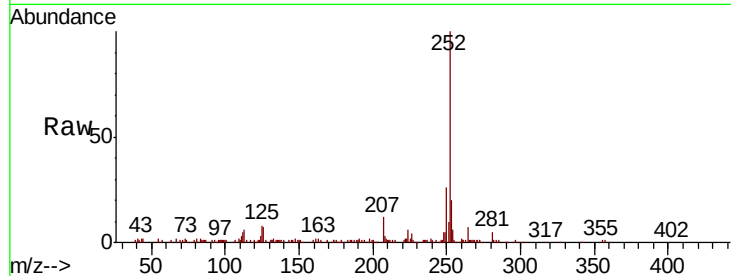
#90
Benzo(a)pyrene
Concen: 4.510 ng/ul
RT: 24.75 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

Instrument :
BNA_G
ClientSampleId :
BEPF7

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.5	18.9	28.3
125	7.8	5.3	7.9

Manual Integrations
APPROVED

mohammad
10/12/2019 7:31:33 AM

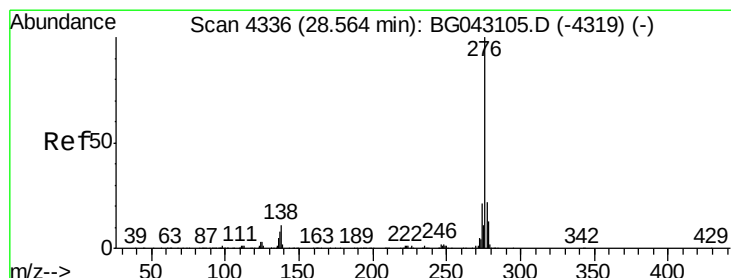
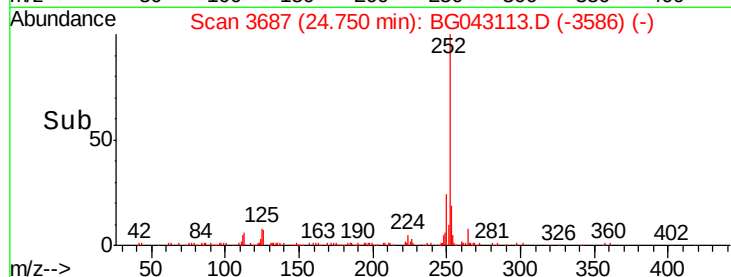
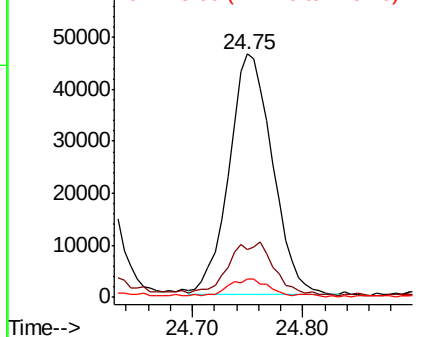


Abundance

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



#91
Indeno(1,2,3-cd)pyrene
Concen: 1.995 ng/ul
RT: 28.56 min Scan# 4335
Delta R.T. -0.00 min
Lab File: BG043113.D
Acq: 9 Oct 2019 21:36

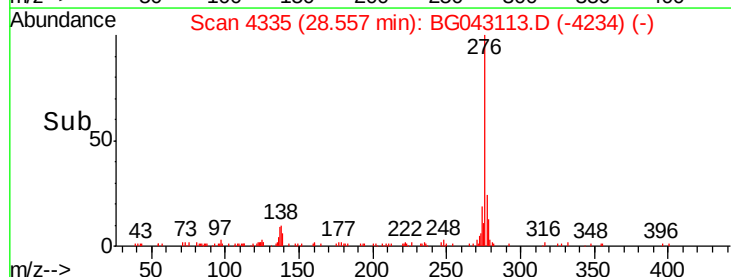
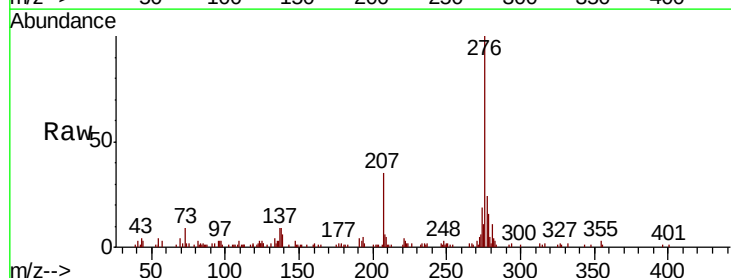
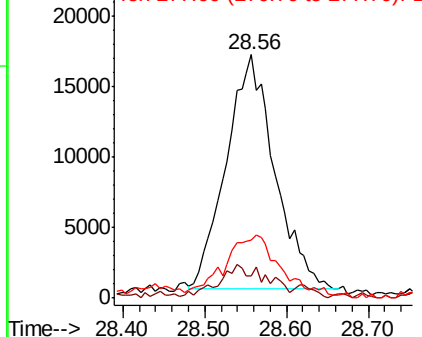
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	9.2	13.8#
277	23.7	19.0	28.6

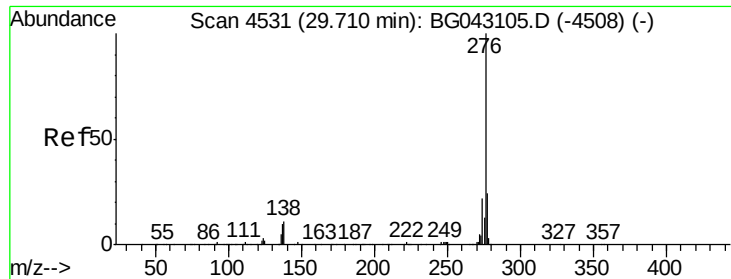
Abundance

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





#93
 Benzo(a,h,i)perylene
 Concen: 2.255 ng/ul
 RT: 29.70 min Scan# 4530
 Delta R.T. -0.00 min
 Lab File: BG043113.D
 Acq: 9 Oct 2019 21:36

Instrument :
 BNA_G
 ClientSampleId :
 BEPF7

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.3	8.7	13.1
277	20.4	19.1	28.7

Manual Integrations
 APPROVED

mohammad
 10/12/2019 7:31:33 AM

