

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012463.D
 Acq On : 26 Oct 2017 02:38
 Operator : SJ/JU
 Sample : I5873-02 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-13(0-1) 101117

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:54:30 AM

Quant Time: Oct 26 09:23:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 05:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	603431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2494566	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1570990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	3537573	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2752912	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	2888911	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	25429	2.15	ng/uL	0.00
5) Phenol-d5	7.05	99	461626	9.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	330655	11.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	252040	6.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	409958	9.52	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	212365	13.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	83512	5.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	138719	3.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	423855	9.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	1538958	11.21	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1852516	11.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	2616	0.13	ng/ul	0.00
57) Fluorene-d10	15.50	176	1345805	11.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	230	0.01	ng/ul	0.00
70) Anthracene-d10	17.35	188	2031757	12.05	ng/ul	0.00
76) Pyrene-d10	19.64	212	1943711	15.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1654524	12.06	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.07	94	92685	1.766	ng/ul#	86
69) Phenanthrene	17.29	178	1077927	5.635	ng/ul	99
74) Fluoranthene	19.30	202	1599970	7.381	ng/ul#	95
77) Pyrene	19.67	202	1282923	8.195	ng/ul#	96
78) Butylbenzylphthalate	20.56	149	94427	1.531	ng/ul	99
80) Benzo(a)anthracene	21.40	228	603844	3.663	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.34	149	3204730	34.151	ng/ul	99
82) Chrysene	21.46	228	614572m	4.193	ng/ul	
85) Benzo(b)fluoranthene	23.04	252	818623	4.584	ng/ul#	89
86) Benzo(k)fluoranthene	23.07	252	220462m	1.312	ng/ul	
88) Benzo(a)pyrene	23.63	252	510511	2.998	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	26.07	276	397346	1.983	ng/ul	93
91) Benzo(g,h,i)perylene	26.80	276	303042	1.866	ng/ul#	87

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

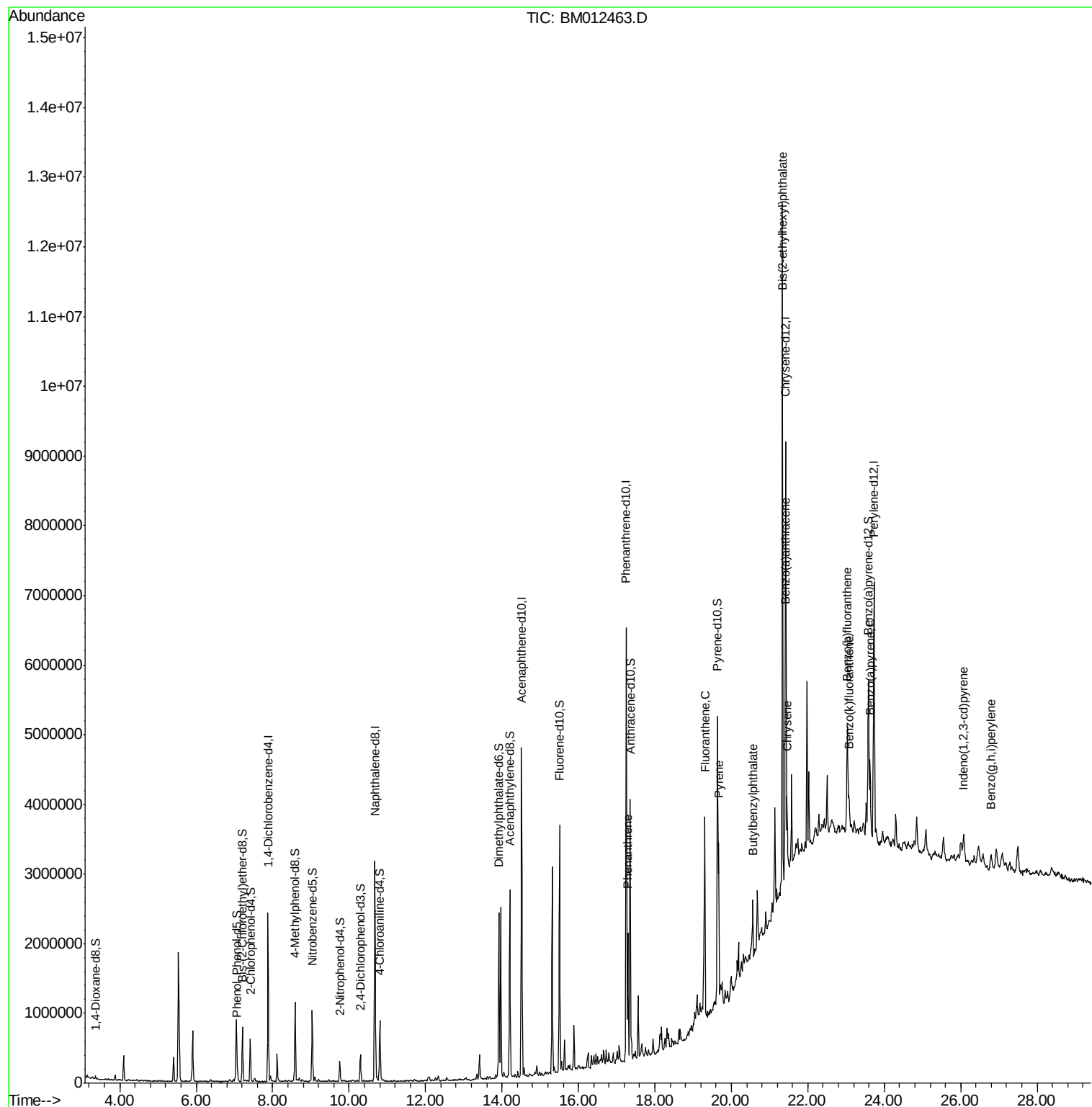
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012463.D
Acq On : 26 Oct 2017 02:38
Operator : SJ/JU
Sample : I5873-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

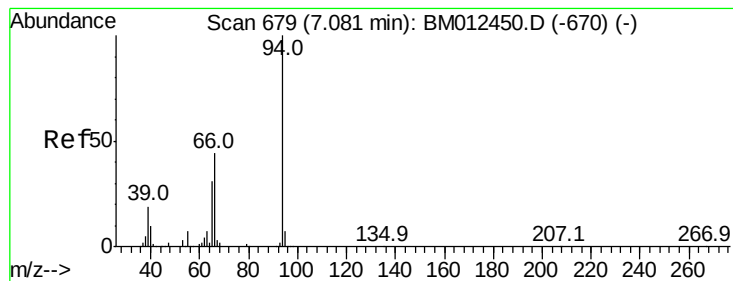
Instrument :
BNA_M
ClientSampleId :
B-13(0-1) 101117

Manual Integrations
APPROVED

Sohil
10/27/2017 8:54:30 AM

Quant Time: Oct 26 09:23:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 05:23:19 2017
Response via : Initial Calibration





#6

Phenol

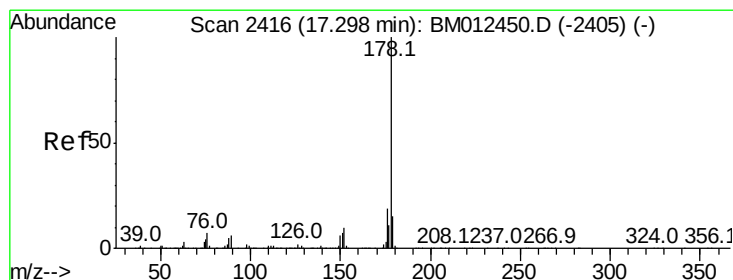
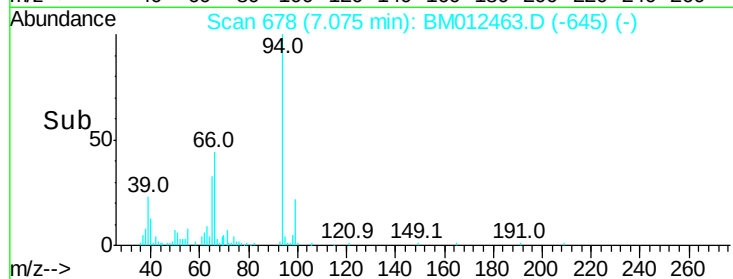
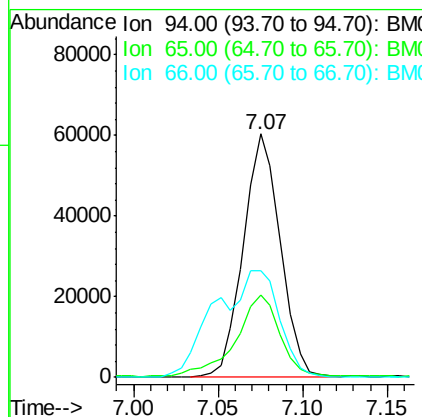
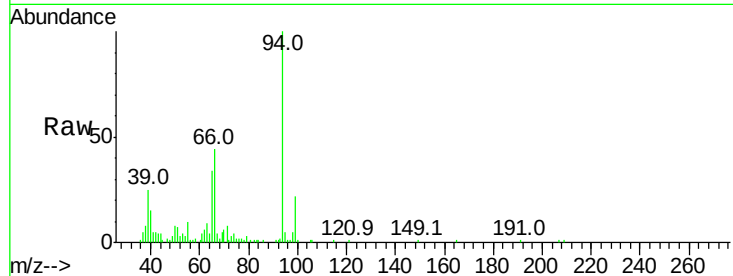
Concen: 1.766 ng/ul
 RT: 7.07 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BM012463.D
 Acq: 26 Oct 2017 02:38

Instrument :
 BNA_M
 ClientSampleId :
 B-13(0-1)_101117

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.7	28.2	42.4
66	44.0	47.2	70.8#

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:54:30 AM

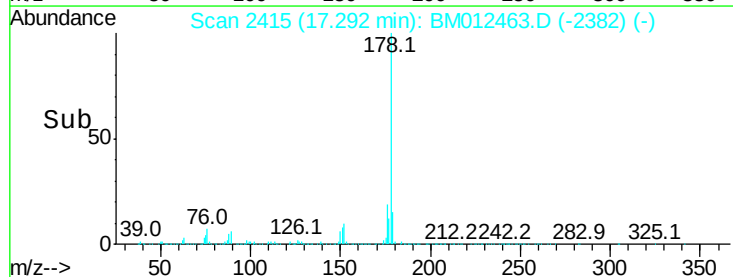
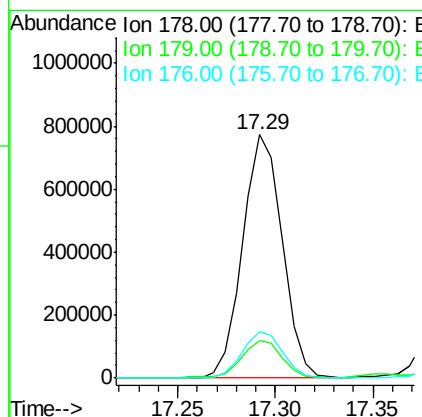
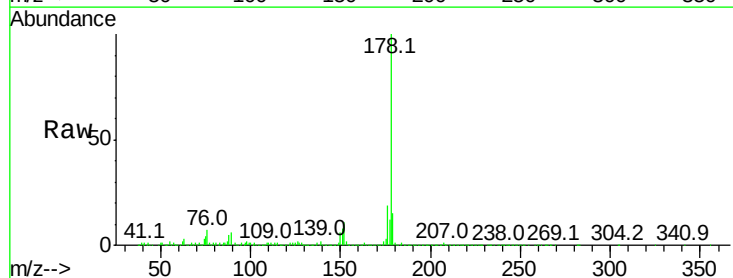


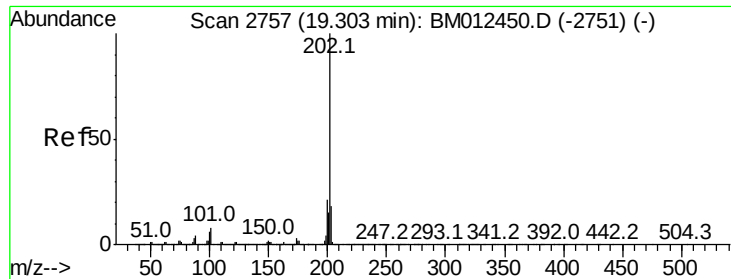
#69

Phenanthrene

Concen: 5.635 ng/ul
 RT: 17.29 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BM012463.D
 Acq: 26 Oct 2017 02:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.3	14.9	22.3





#74

Fluoranthene

Concen: 7.381 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.00 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

Instrument :

BNA_M

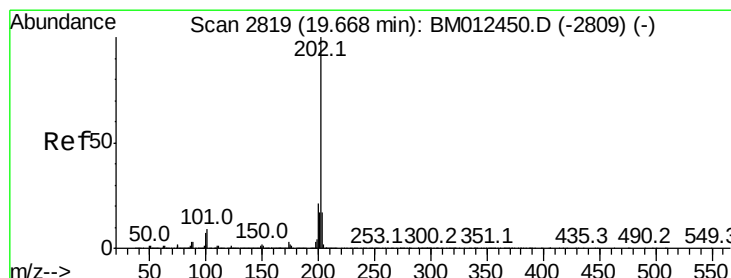
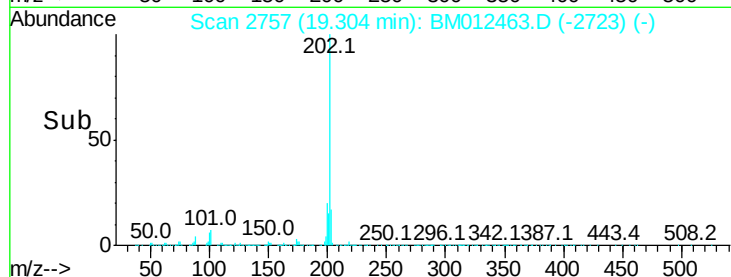
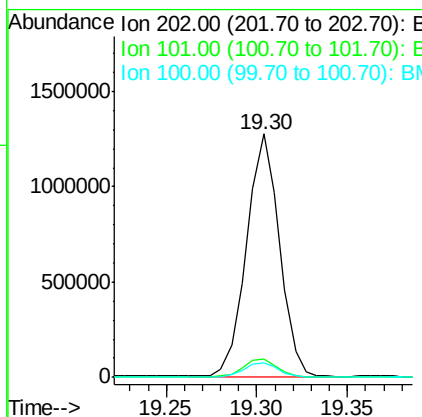
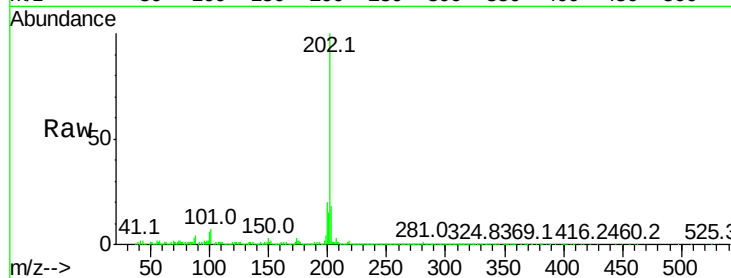
ClientSampleId :

B-13(0-1) 101117

Tot Ion:	202	Resp:	1599970
Ion Ratio	Lower	Upper	
202	100		
101	7.4	4.6	7.0#
100	5.7	3.4	5.2#

Manual Integrations
APPROVED

Sohil
10/27/2017 8:54:30 AM



#77

Pyrene

Concen: 8.195 ng/ul

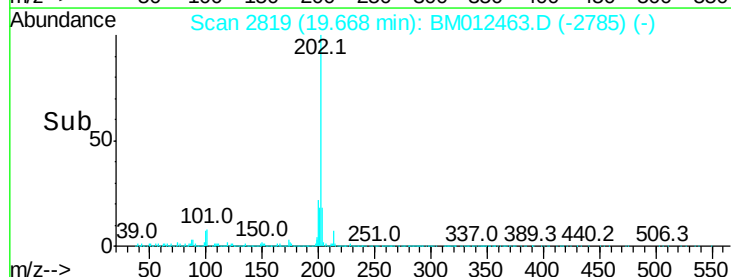
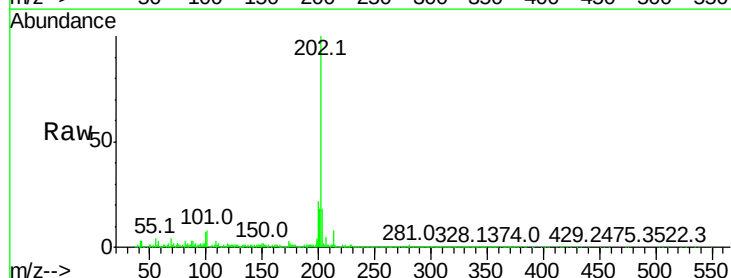
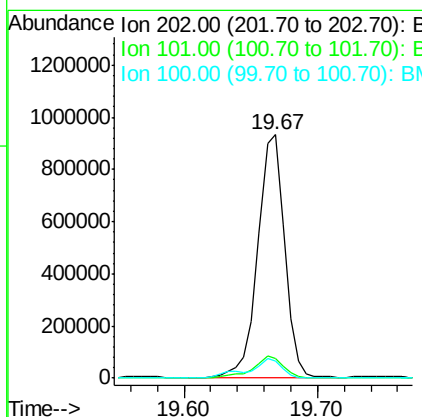
RT: 19.67 min Scan# 2819

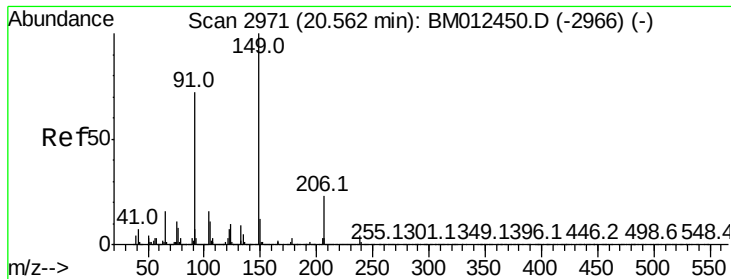
Delta R.T. 0.00 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

Tgt Ion:	202	Resp:	1282923
Ion Ratio	Lower	Upper	
202	100		
101	8.2	5.1	7.7#
100	7.2	4.9	7.3





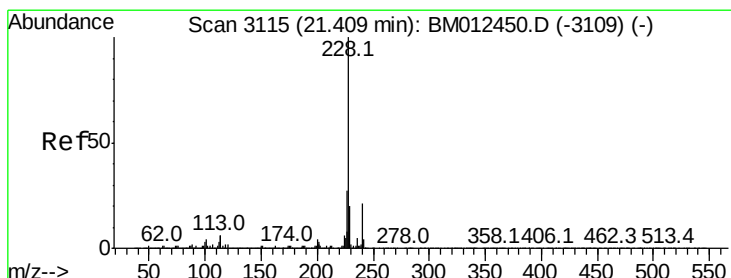
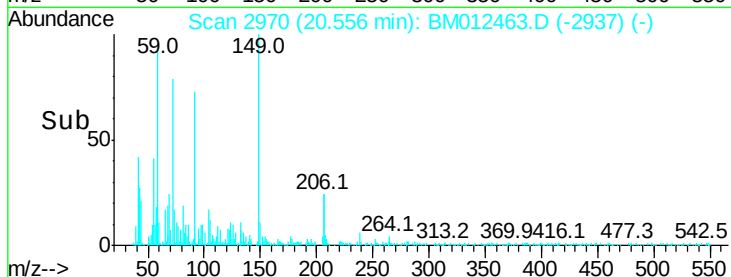
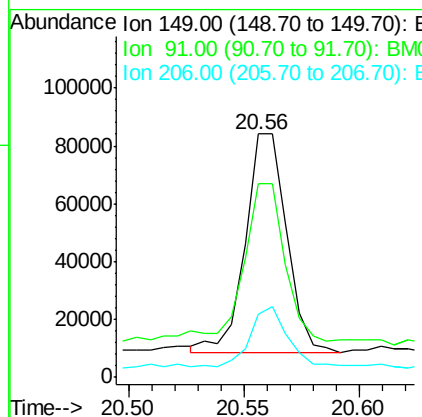
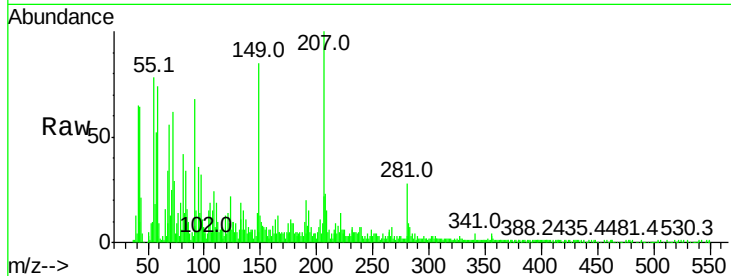
#78
Butylbenzylphthalate
Concen: 1.531 ng/ul
RT: 20.56 min Scan# 2970
Delta R.T. -0.01 min
Lab File: BM012463.D
Acq: 26 Oct 2017 02:38

Instrument :
BNA_M
ClientSampleId :
B-13(0-1)_101117

Tot Ion	Ratio	Lower	Upper
149	100		
91	79.8	62.7	94.1
206	26.0	20.8	31.2

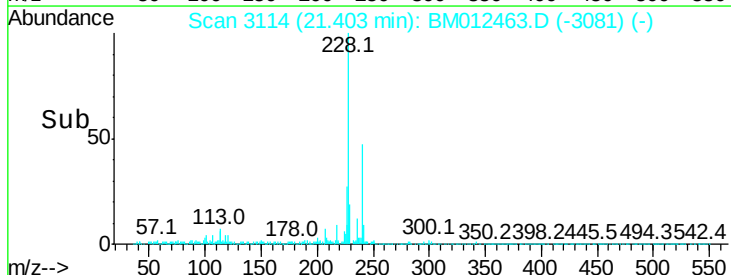
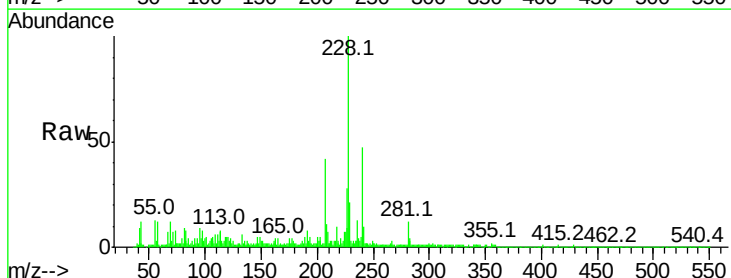
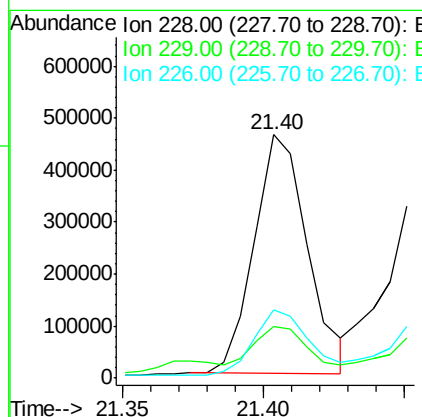
Manual Integrations
APPROVED

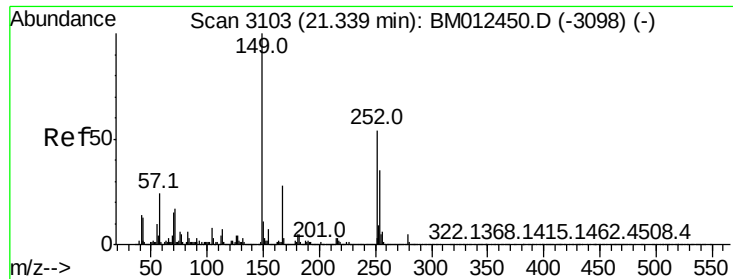
Sohil
10/27/2017 8:54:30 AM



#80
Benzo(a)anthracene
Concen: 3.663 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BM012463.D
Acq: 26 Oct 2017 02:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	28.2	21.4	32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 34.151 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

B-13(0-1) 101117

Tot Ion:149 Resp: 3204730

Ion Ratio Lower Upper

149 100

167 29.1 22.8 34.2

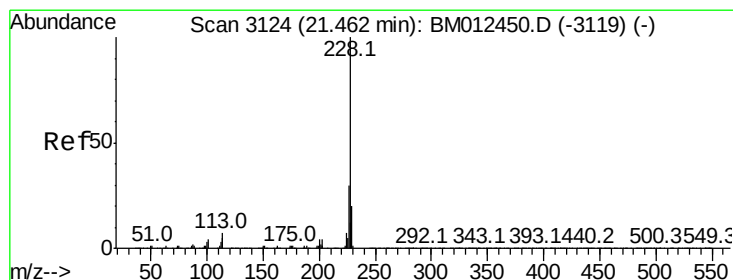
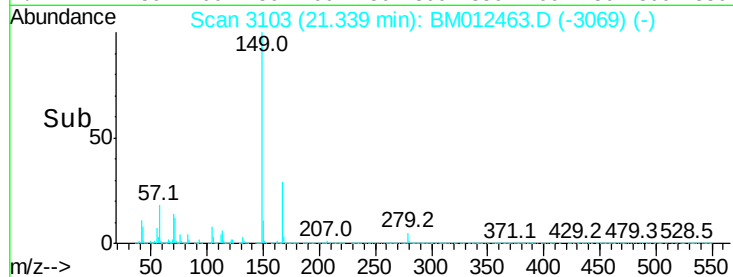
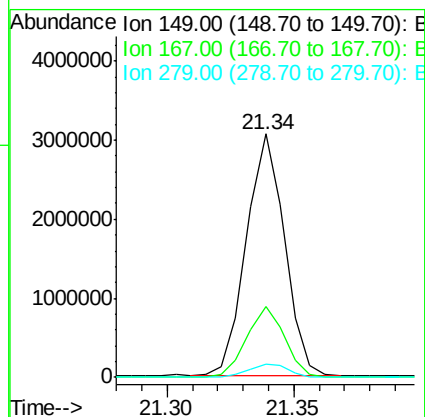
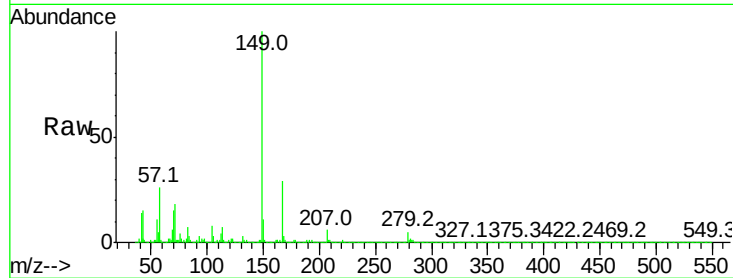
279 5.3 4.9 7.3

Manual Integrations

APPROVED

Sohil

10/27/2017 8:54:30 AM



#82

Chrysene

Concen: 4.193 ng/ul m

RT: 21.46 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

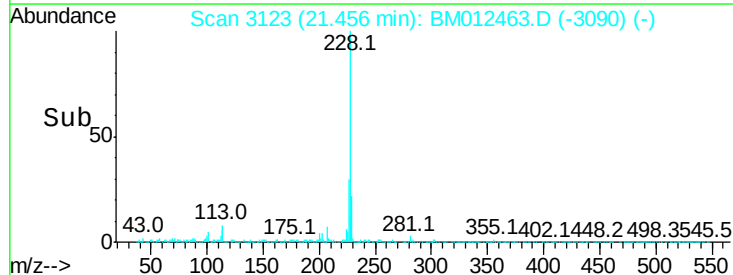
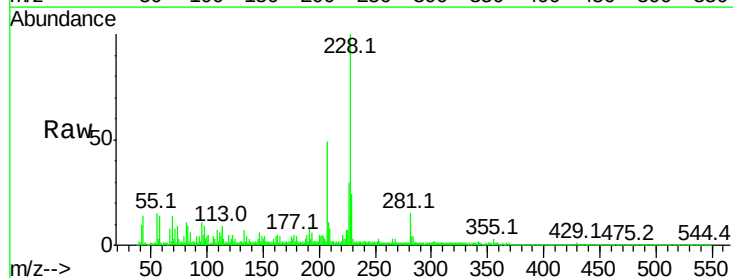
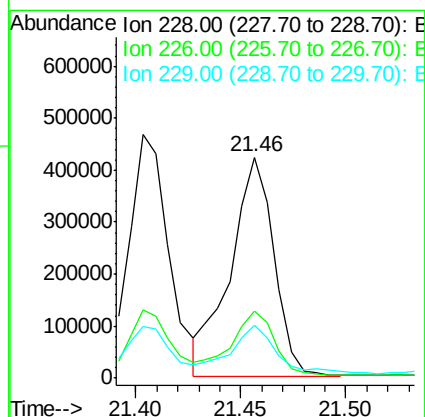
Tgt Ion:228 Resp: 614572

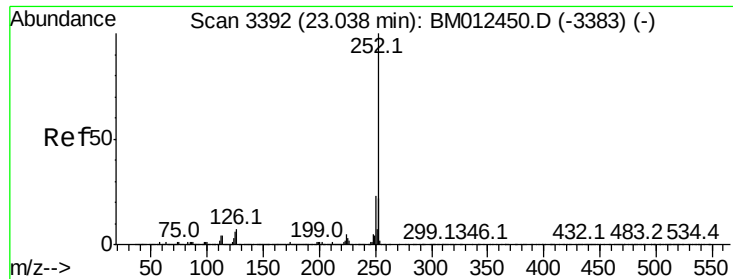
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 23.9 15.5 23.3#





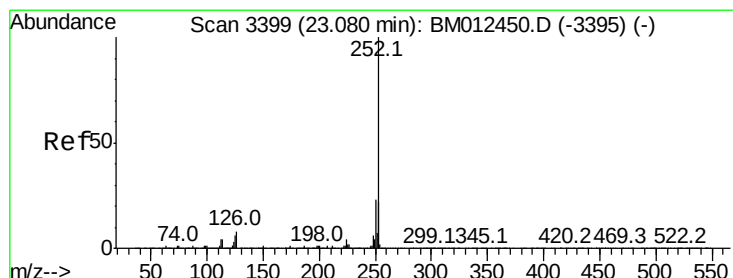
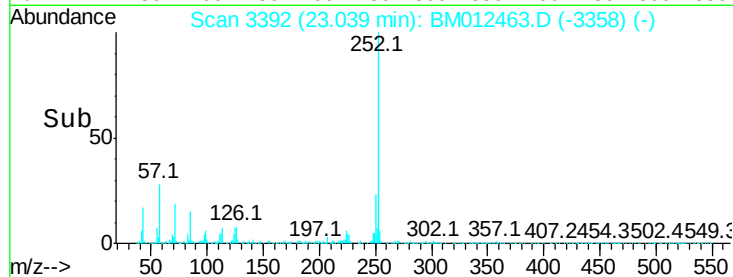
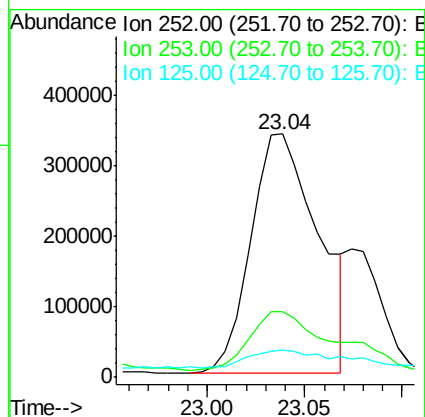
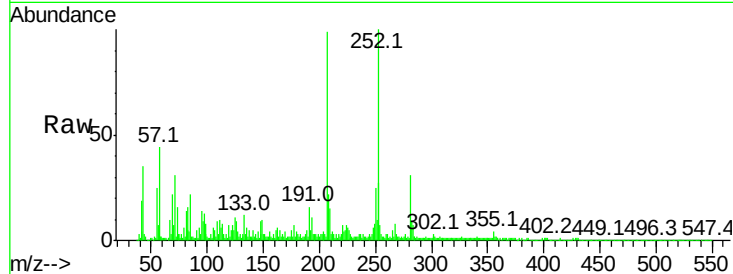
#85
Benzo(b)fluoranthene
Concen: 4.584 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.00 min
Lab File: BM012463.D
Acq: 26 Oct 2017 02:38

Instrument :
BNA_M
ClientSampleId :
B-13(0-1)_101117

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	11.0	3.6	5.4#

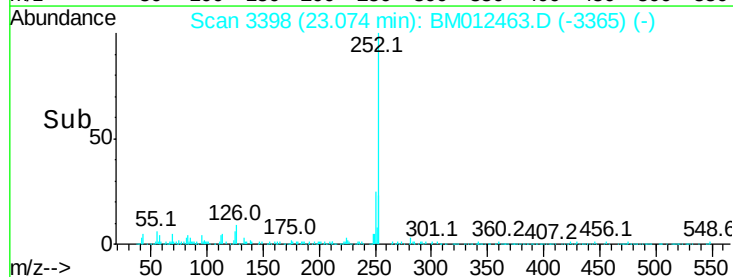
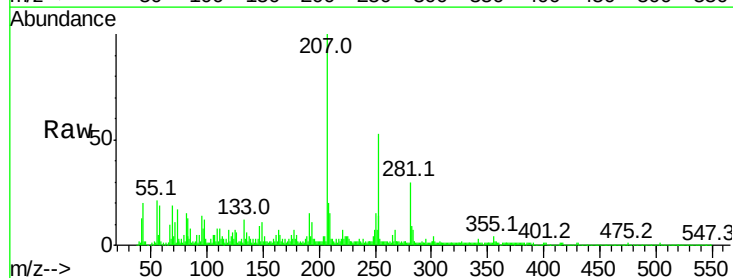
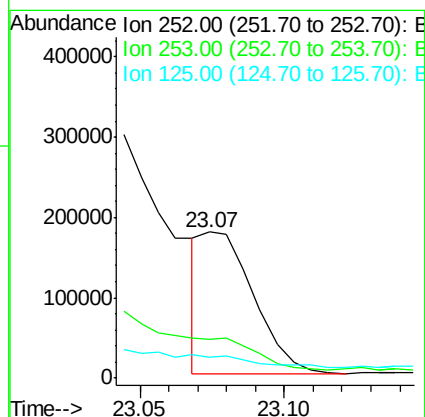
Manual Integrations
APPROVED

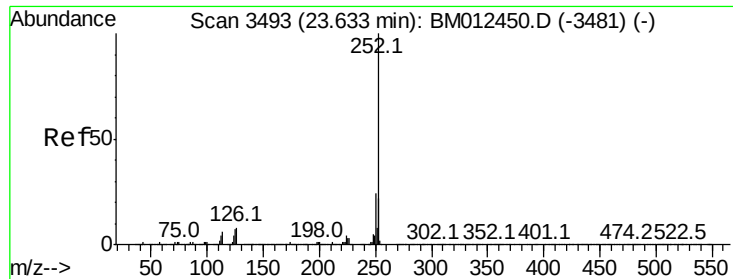
Sohil
10/27/2017 8:54:30 AM



#86
Benzo(k)fluoranthene
Concen: 1.312 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BM012463.D
Acq: 26 Oct 2017 02:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.1	25.7#
125	13.9	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 2.998 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

Instrument :

BNA_M

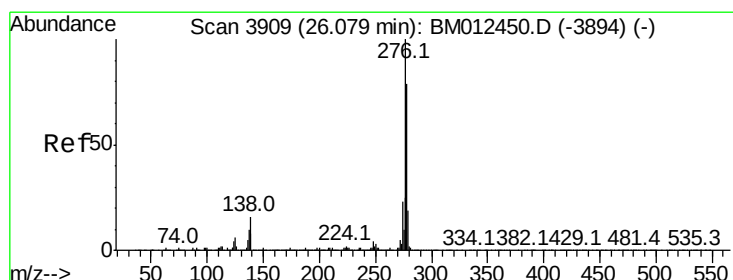
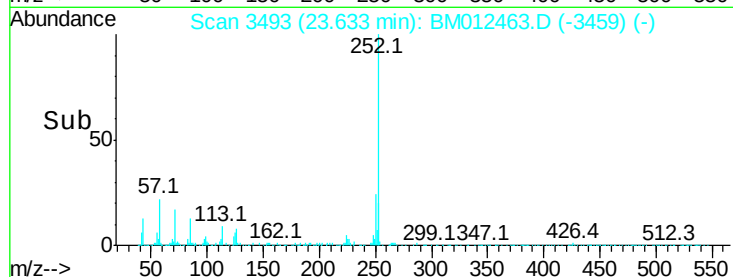
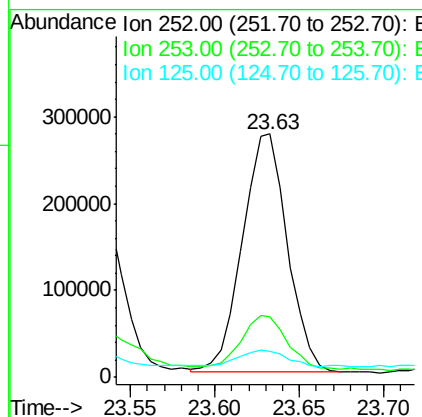
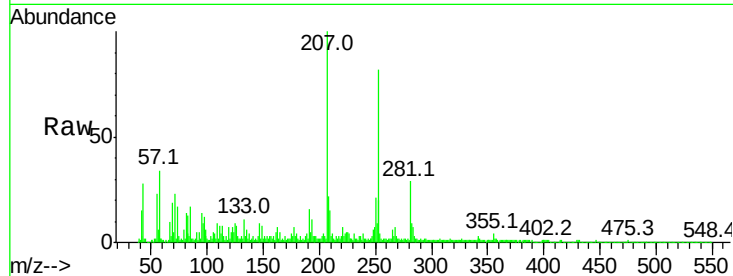
ClientSampleId :

B-13(0-1) 101117

Tot Ion:	252	Resp:	510511
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	10.9	4.0	6.0#

Manual Integrations
APPROVED

Sohil
10/27/2017 8:54:30 AM



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.983 ng/ul

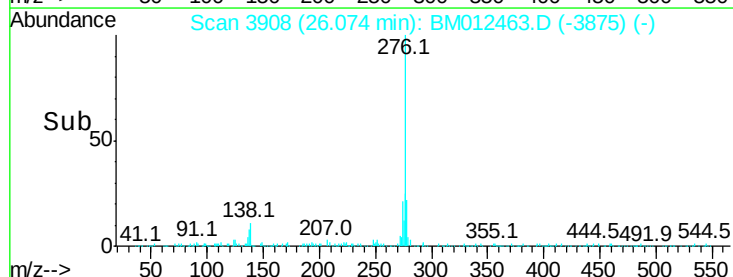
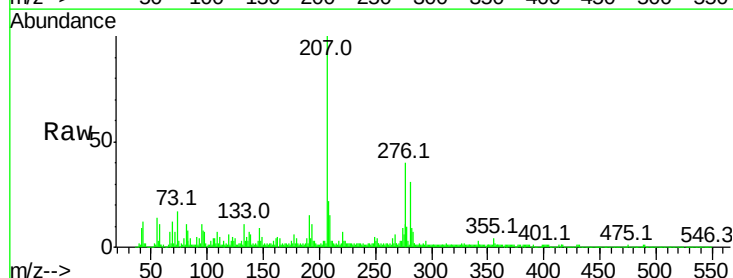
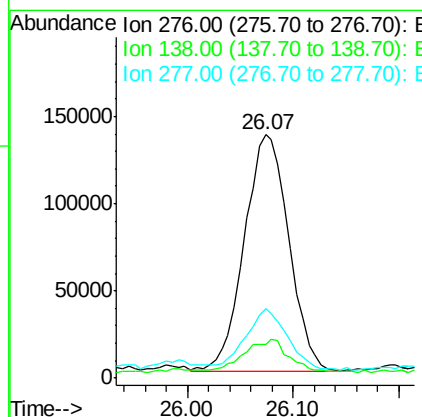
RT: 26.07 min Scan# 3908

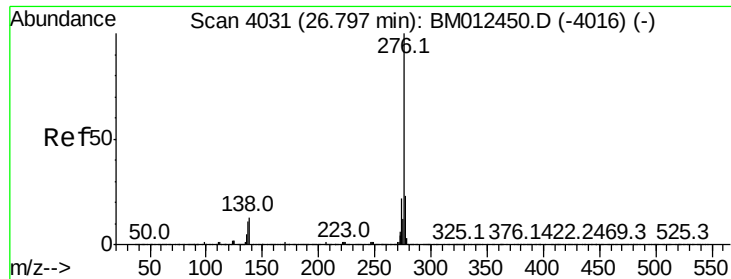
Delta R.T. -0.01 min

Lab File: BM012463.D

Acq: 26 Oct 2017 02:38

Tgt Ion:	276	Resp:	397346
Ion Ratio	Lower	Upper	
276	100		
138	13.8	9.3	13.9
277	28.4	19.9	29.9





#91
 Benzo(a,h,i)perylene
 Concen: 1.866 ng/ul
 RT: 26.80 min Scan# 4031
 Delta R.T. 0.00 min
 Lab File: BM012463.D
 Acq: 26 Oct 2017 02:38

Instrument :
 BNA_M
 ClientSampleId :
 B-13(0-1)_101117

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	8.5	12.7#
277	29.4	18.6	28.0#

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:54:30 AM

