

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026315.D
 Acq On : 18 Mar 2017 12:59
 Operator : SJ/MA
 Sample : I2283-18
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB315

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:57:23 PM

Quant Time: Mar 20 03:55:57 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	166110	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	770180	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	419577	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	829859	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	836114	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	793034	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	198506	17.40	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	964226	26.95	ng/ul	0.00
10) Fluorene-d10	15.64	176	667492	25.58	ng/ul	0.00
15) Anthracene-d10	17.49	188	917359	24.87	ng/ul	0.00
19) Pyrene-d10	19.77	212	945828	22.17	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	874362	25.56	ng/ul	0.00
Target Compounds						
4) Naphthalene	10.91	128	51429	1.36	ng/ul	Qvalue 98
9) Acenaphthene	14.72	153	25840	1.00	ng/ul	95
14) Phenanthrene	17.43	178	481906	10.96	ng/ul	99
16) Anthracene	17.52	178	89373	2.01	ng/ul	97
17) Fluoranthene	19.43	202	963084	21.09	ng/ul	99
20) Pyrene	19.80	202	810986	15.24	ng/ul	99
21) Benzo(a)anthracene	21.62	228	486449	10.45	ng/ul	98
22) Chrysene	21.68	228	458289	10.55	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	657438	14.60	ng/ul	97
25) Benzo(k)fluoranthene	23.87	252	225922m	5.25	ng/ul	
27) Benzo(a)pyrene	24.67	252	394763	9.44	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.45	276	205479m	4.45	ng/ul	
29) Dibenzo(a,h)anthracene	28.50	278	59070	1.61	ng/ul#	87
30) Benzo(g,h,i)perylene	29.60	276	164267m	4.15	ng/ul	

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

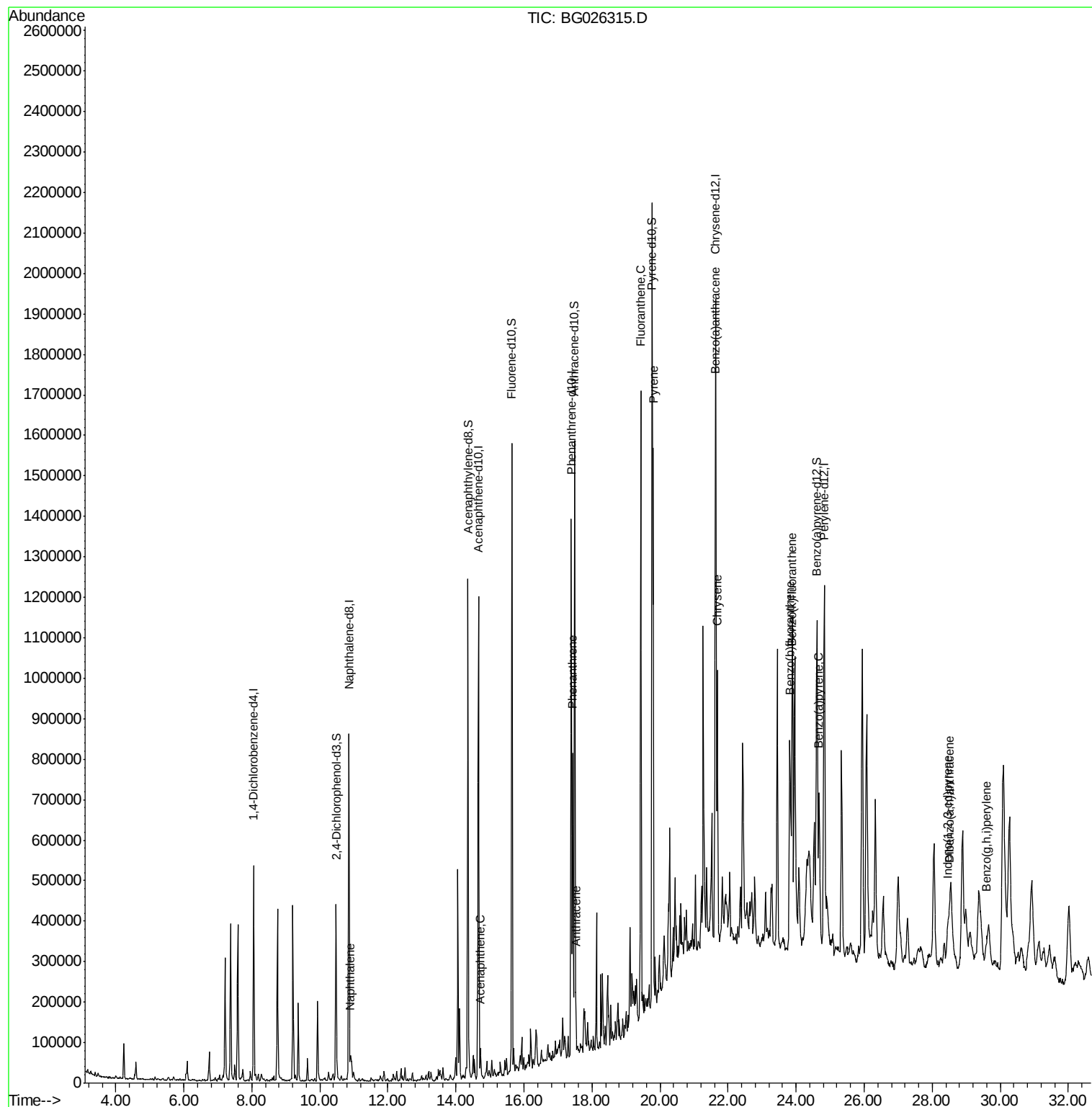
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026315.D
Acq On : 18 Mar 2017 12:59
Operator : SJ/MA
Sample : I2283-18
Misc :
ALS Vial : 38 Sample Multiplier: 1

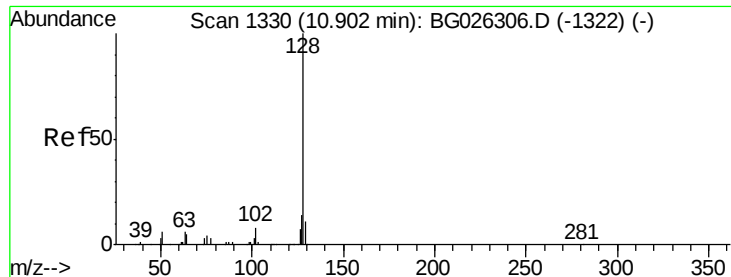
Instrument :
BNA_G
ClientSampleId :
CB315

Manual Integrations
APPROVED

mohammad
3/20/2017 12:57:23 PM

Quant Time: Mar 20 03:55:57 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 20 03:22:51 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.36 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

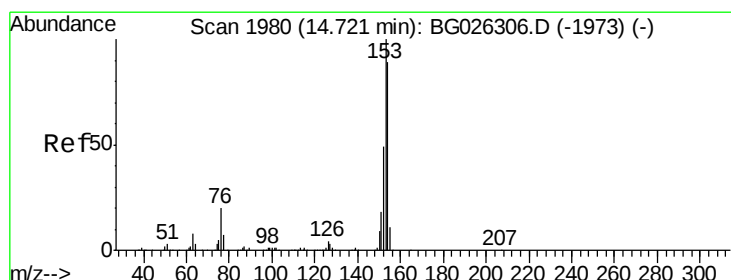
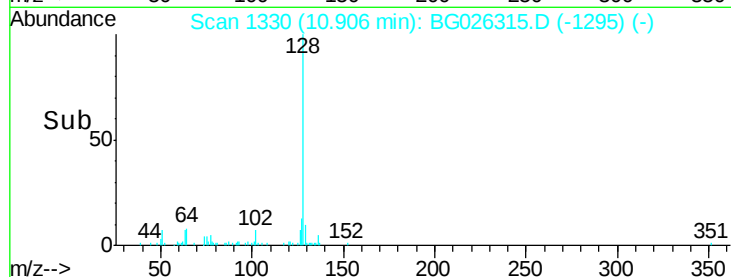
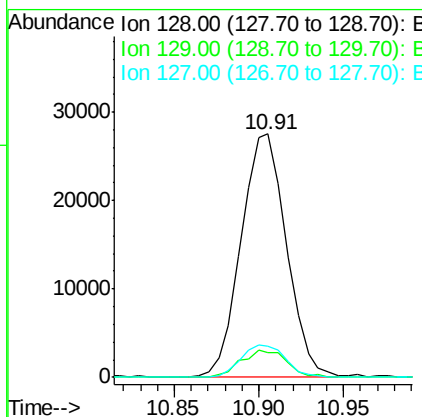
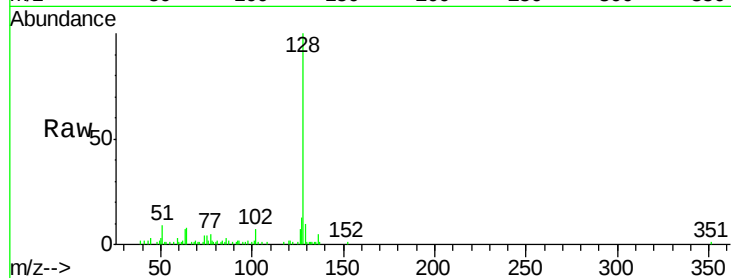
ClientSampleId :

CB315

Tgt Ion:	128	Resp:	51429
Ion Ratio	Lower	Upper	
128	100		
129	9.9	9.1	13.7
127	12.8	10.6	15.8

Manual Integrations
APPROVED

mohammad
3/20/2017 12:57:23 PM



#9

Acenaphthene

Concen: 1.00 ng/ul

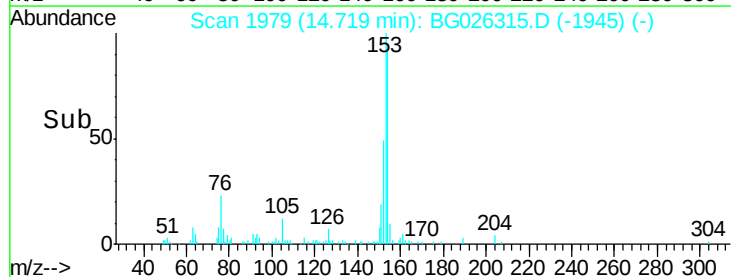
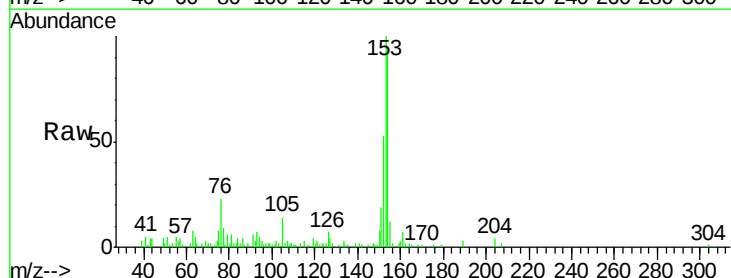
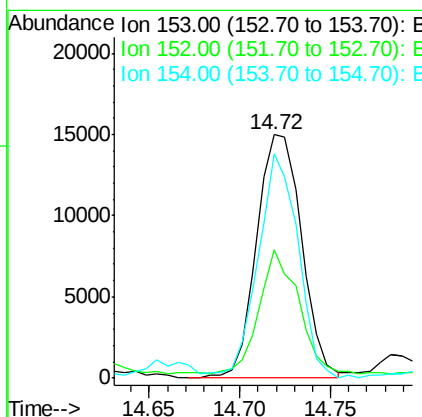
RT: 14.72 min Scan# 1979

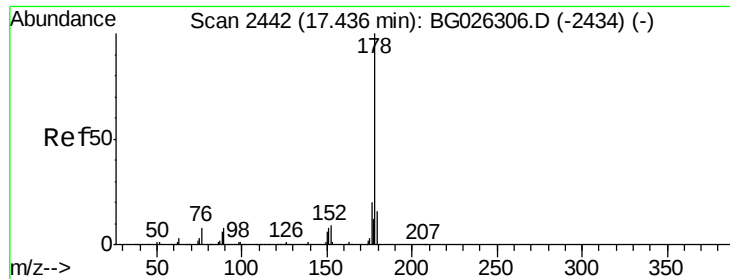
Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Tgt Ion:	153	Resp:	25840
Ion Ratio	Lower	Upper	
153	100		
152	52.8	37.9	56.9
154	92.0	71.6	107.4





#14

Phenanthrene

Concen: 10.96 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

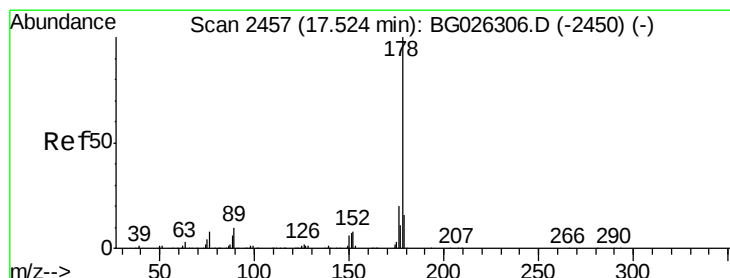
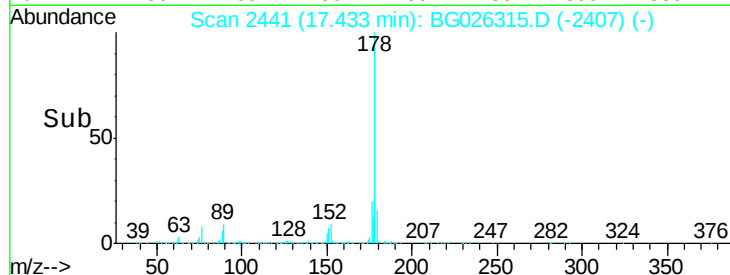
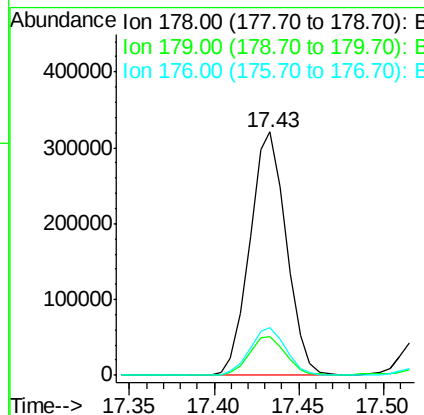
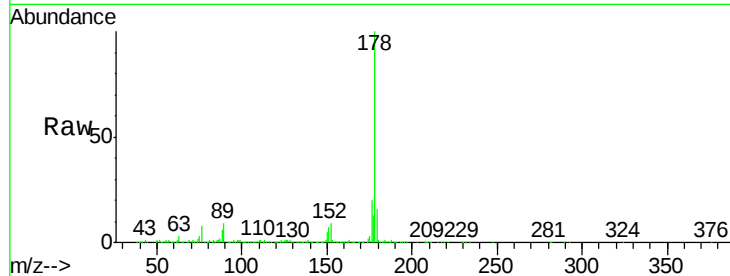
ClientSampleId :

CB315

Tgt Ion:	178	Resp:	481906
Ion Ratio		Lower	Upper
178	100		
179	15.7	12.2	18.4
176	19.7	16.4	24.6

Manual Integrations
APPROVED

mohammad
3/20/2017 12:57:23 PM



#16

Anthracene

Concen: 2.01 ng/ul

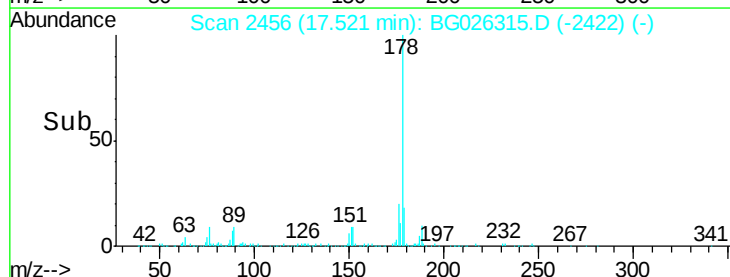
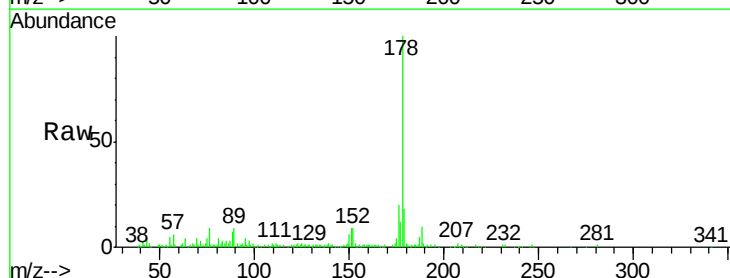
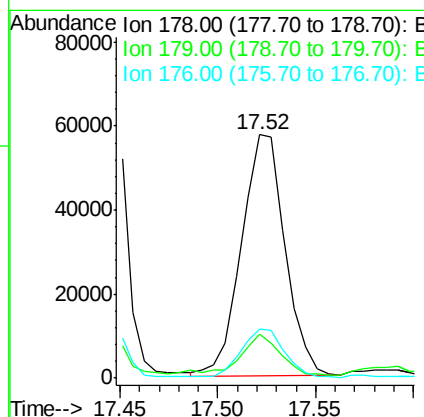
RT: 17.52 min Scan# 2456

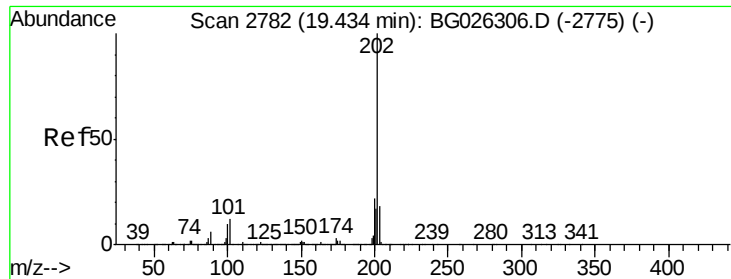
Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Tgt Ion:	178	Resp:	89373
Ion Ratio		Lower	Upper
178	100		
179	18.2	12.7	19.1
176	20.1	15.8	23.8





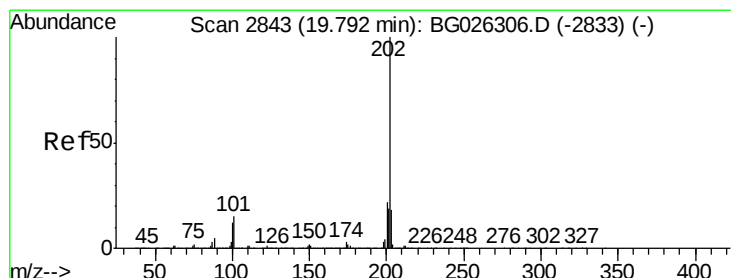
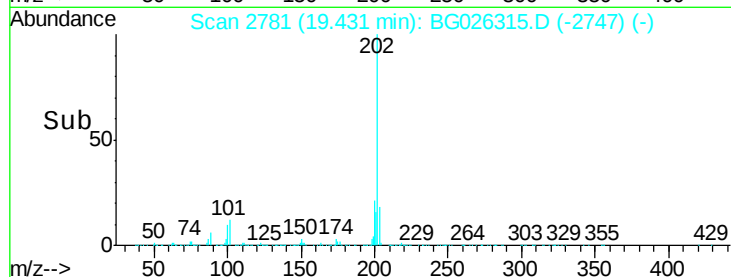
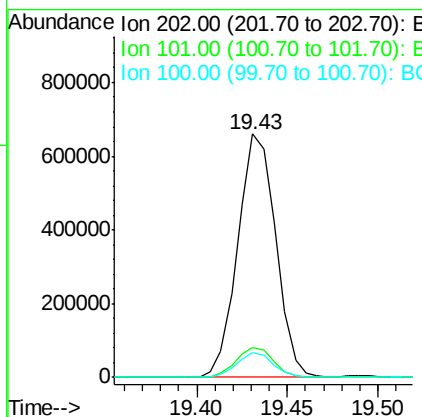
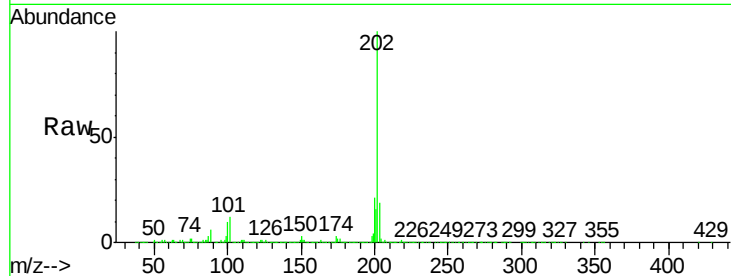
#17
Fluoranthene
 Concen: 21.09 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026315.D
 Acq: 18 Mar 2017 12:59

Instrument :
 BNA_G
 ClientSampleId :
 CB315

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	963084		
101	12.3	9.8	14.8	
100	10.3	7.5	11.3	

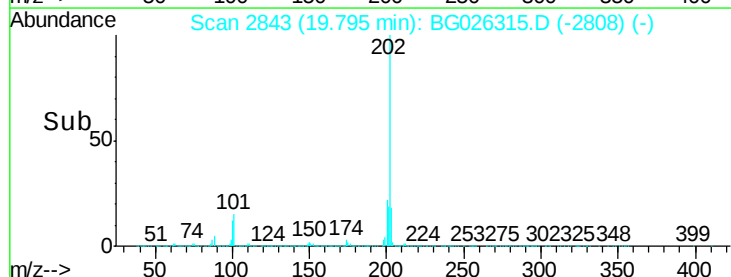
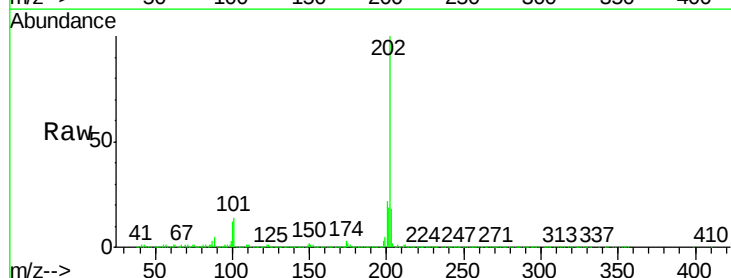
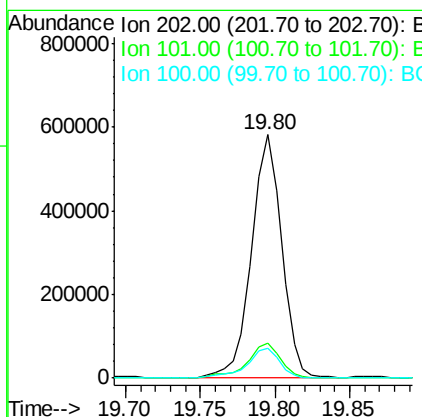
Manual Integrations
 APPROVED

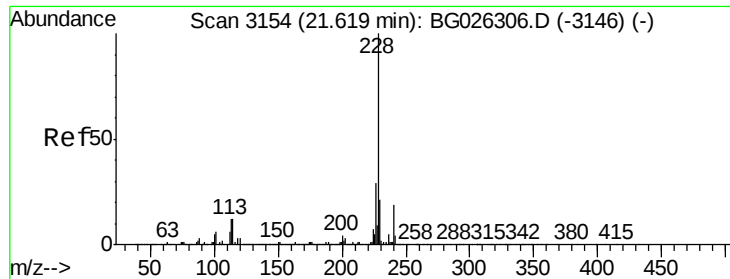
mohammad
 3/20/2017 12:57:23 PM



#20
Pyrene
 Concen: 15.24 ng/ul
 RT: 19.80 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026315.D
 Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	810986		
101	14.5	11.2	16.8	
100	12.2	9.8	14.6	





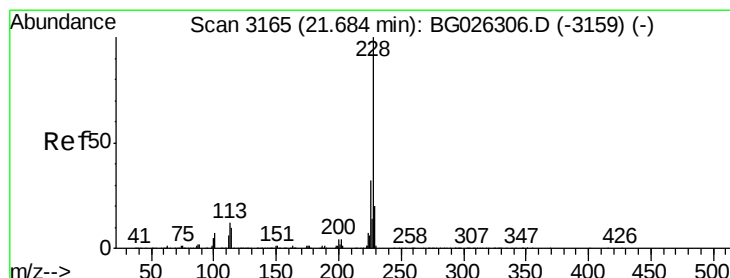
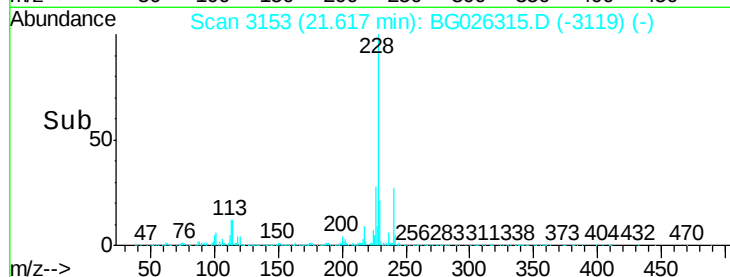
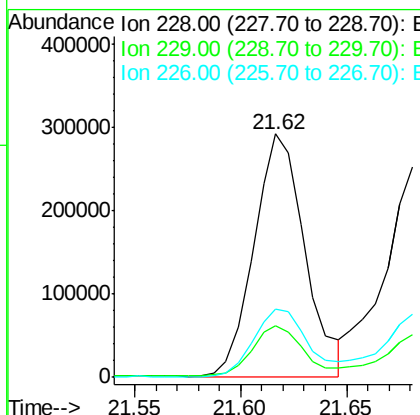
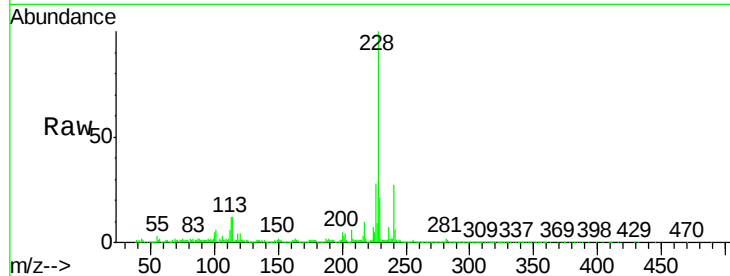
#21
Benzo(a)anthracene
Concen: 10.45 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Instrument :
BNA_G
ClientSampleId :
CB315

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.9	23.9
226	28.2	22.1	33.1

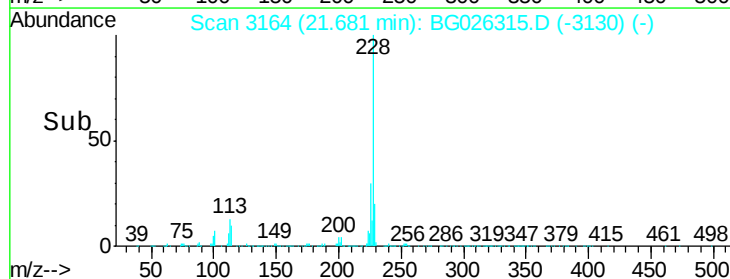
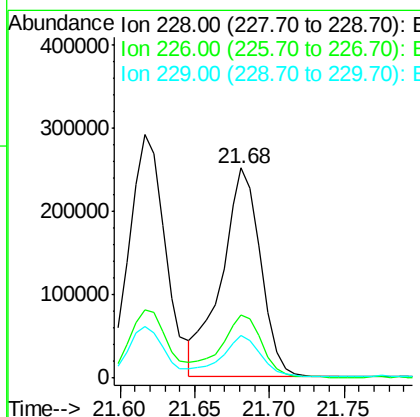
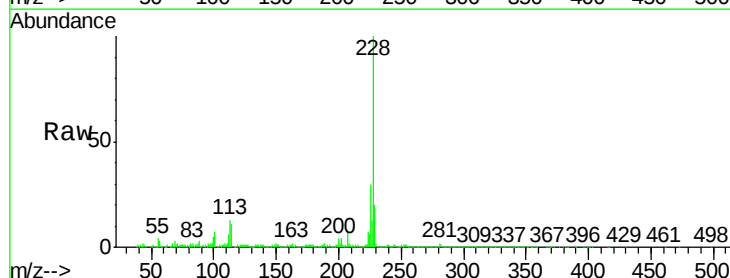
Manual Integrations
APPROVED

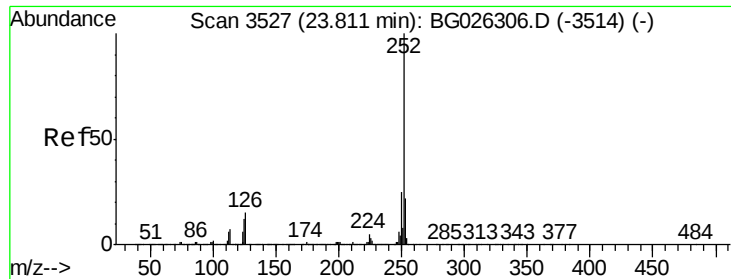
mohammad
3/20/2017 12:57:23 PM



#22
Chrysene
Concen: 10.55 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.3	16.6	25.0





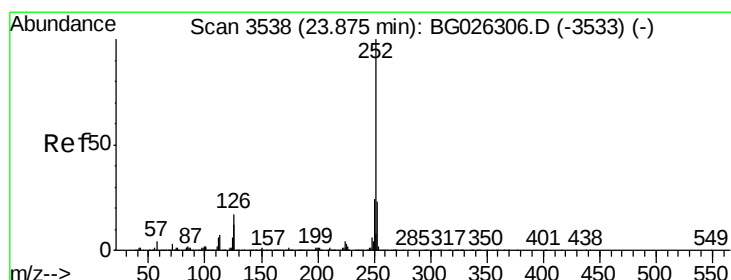
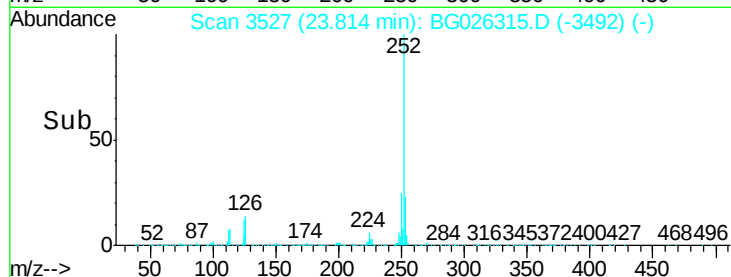
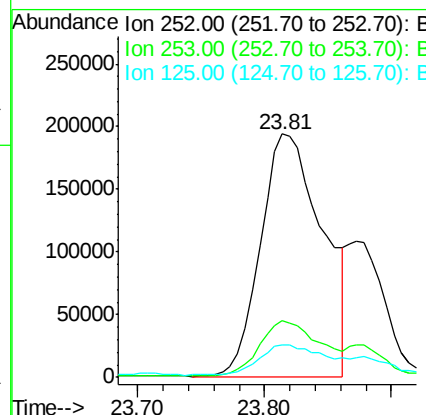
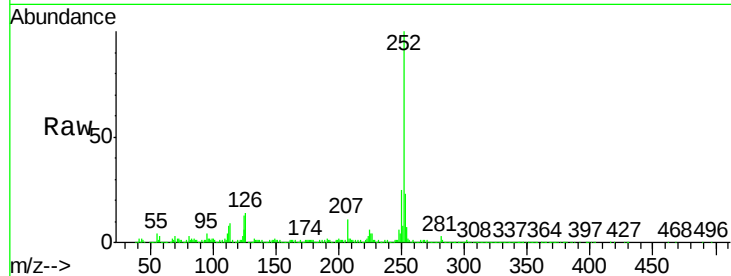
#24
Benzo(b)fluoranthene
Concen: 14.60 ng/ul
RT: 23.81 min Scan# 3527
Delta R.T. 0.00 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Instrument :
BNA_G
ClientSampleID :
CB315

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	13.2	9.4	14.0

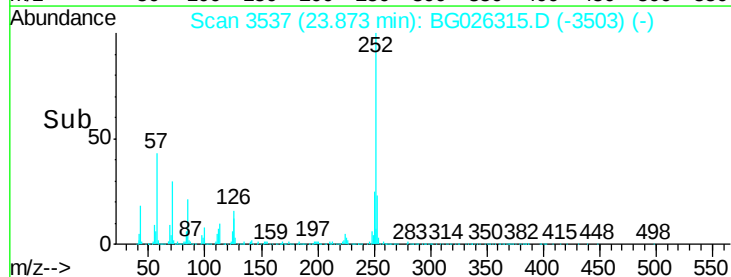
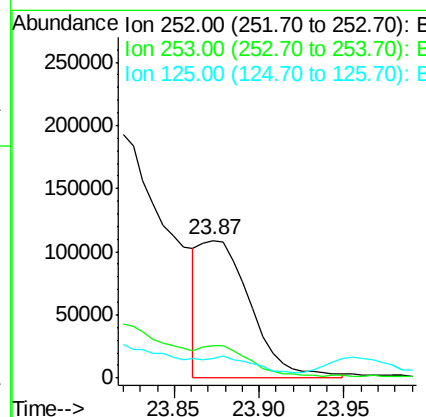
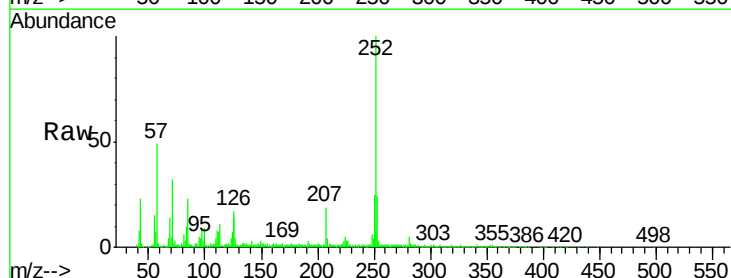
Manual Integrations
APPROVED

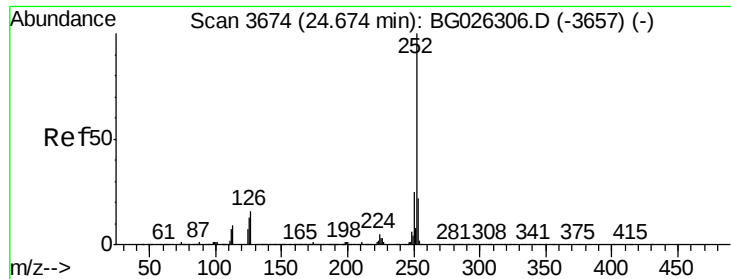
mohammad
3/20/2017 12:57:23 PM



#25
Benzo(k)fluoranthene
Concen: 5.25 ng/ul m
RT: 23.87 min Scan# 3537
Delta R.T. -0.00 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	14.0	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 9.44 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

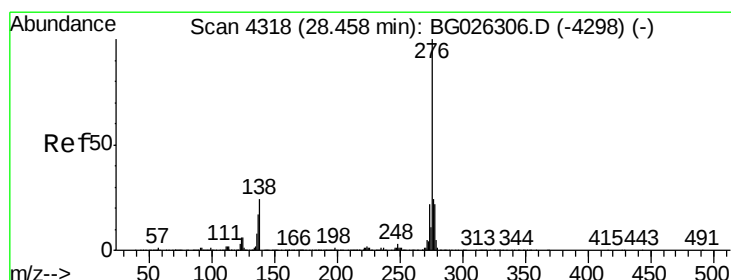
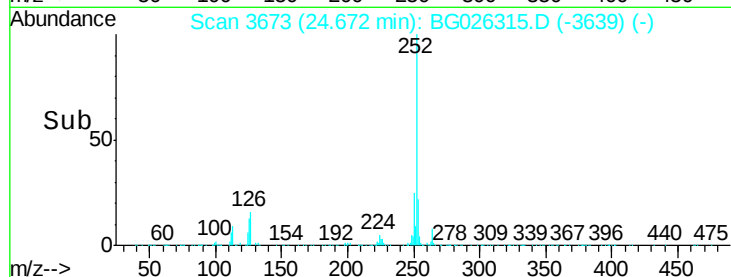
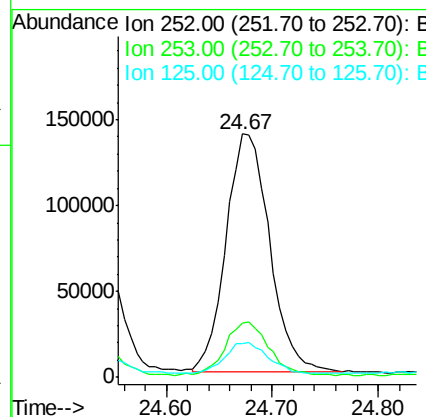
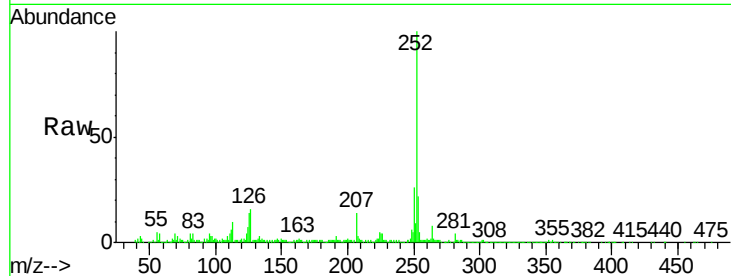
ClientSampleId :

CB315

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.1	9.4	14.2

Manual Integrations
APPROVED

mohammad
3/20/2017 12:57:23 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.45 ng/ul m

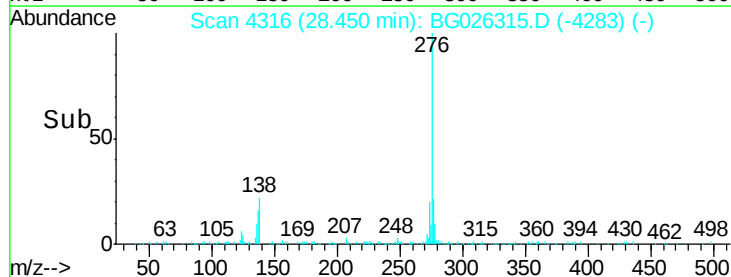
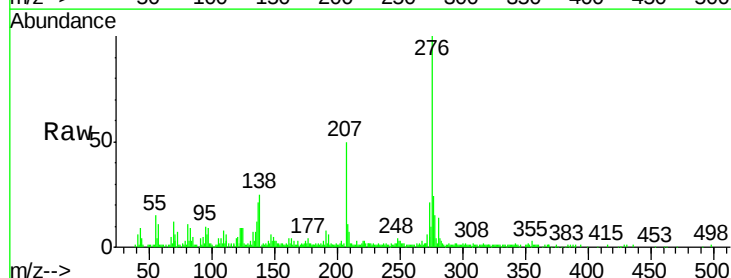
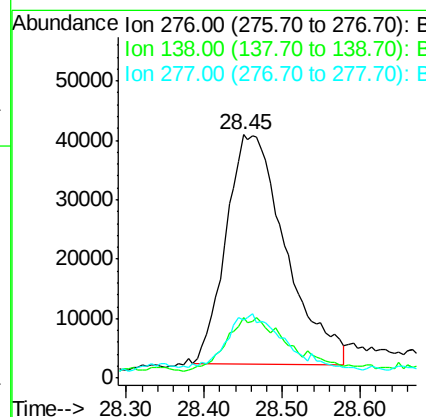
RT: 28.45 min Scan# 4316

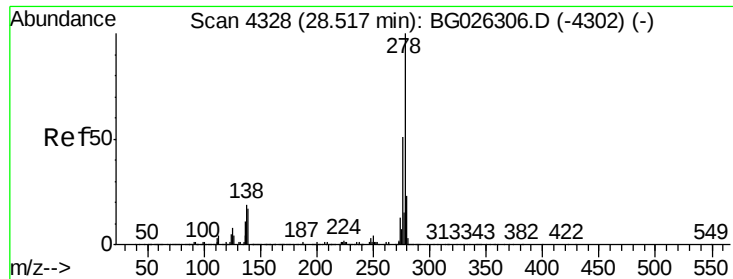
Delta R.T. -0.01 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	17.8	26.6
277	23.6	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.61 ng/ul

RT: 28.50 min Scan# 4325

Delta R.T. -0.01 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

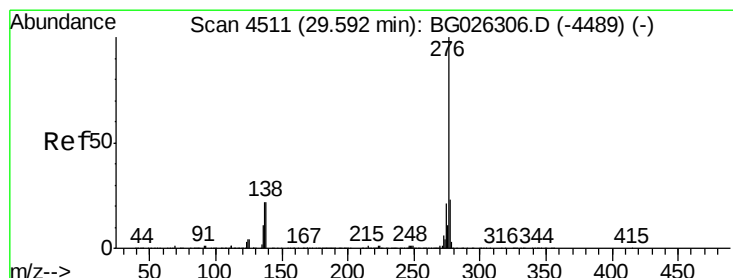
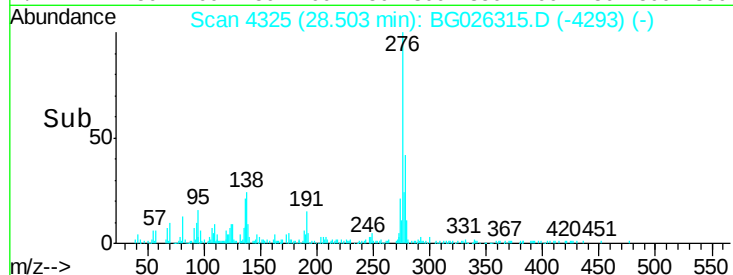
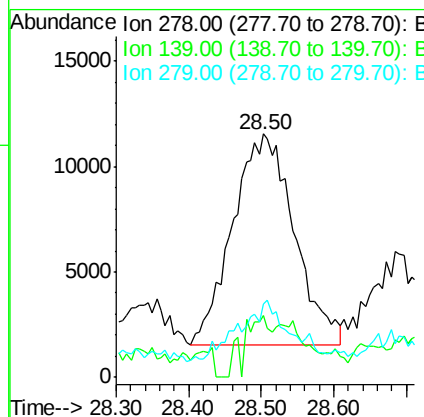
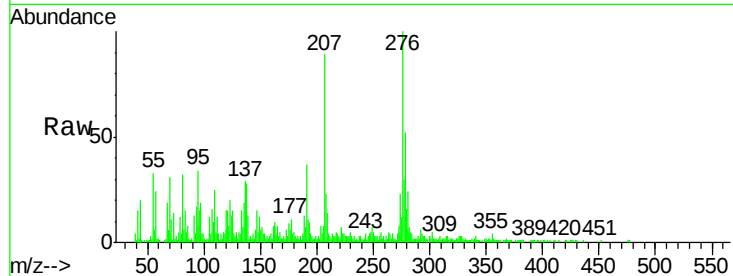
ClientSampleId :

CB315

Tgt Ion:	278	Resp:	59070
Ion Ratio	Lower	Upper	
278	100		
139	25.3	14.0	21.0#
279	30.3	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:57:23 PM



#30

Benzo(g,h,i)perylene

Concen: 4.15 ng/ul m

RT: 29.60 min Scan# 4512

Delta R.T. 0.01 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Tgt Ion:	276	Resp:	164267
Ion Ratio	Lower	Upper	
276	100		
138	23.1	19.0	28.4
277	26.2	19.7	29.5

