

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026311.D
 Acq On : 18 Mar 2017 10:22
 Operator : SJ/MA
 Sample : I2283-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB311

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:55:52 PM

Quant Time: Mar 20 03:43:42 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	8.05	152	172033	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	806240	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	444433	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	866301	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	867497	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	839275	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	179477	15.03	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	1043130	27.53	ng/ul	0.00
10) Fluorene-d10	15.65	176	738506	26.72	ng/ul	0.00
15) Anthracene-d10	17.48	188	1001692	26.02	ng/ul	0.00
19) Pyrene-d10	19.76	212	1021057	23.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	928855	25.66	ng/ul	0.00
Target Compounds						
9) Acenaphthene	14.72	153	50754	1.86	ng/ul	Qvalue 99
11) Fluorene	15.70	166	53917	1.75	ng/ul	100
14) Phenanthrene	17.43	178	933175	20.33	ng/ul	98
16) Anthracene	17.52	178	169686	3.66	ng/ul	98
17) Fluoranthene	19.44	202	1452161	30.47	ng/ul	99
20) Pyrene	19.79	202	1396972	25.29	ng/ul	98
21) Benzo(a)anthracene	21.62	228	773263	16.02	ng/ul	97
22) Chrysene	21.68	228	757733	16.82	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	969020	20.34	ng/ul	99
25) Benzo(k)fluoranthene	23.87	252	339687m	7.47	ng/ul	
27) Benzo(a)pyrene	24.68	252	608400	13.74	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.45	276	339004	6.93	ng/ul	98
29) Dibenzo(a,h)anthracene	28.50	278	86601m	2.23	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	257130	6.15	ng/ul	96

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

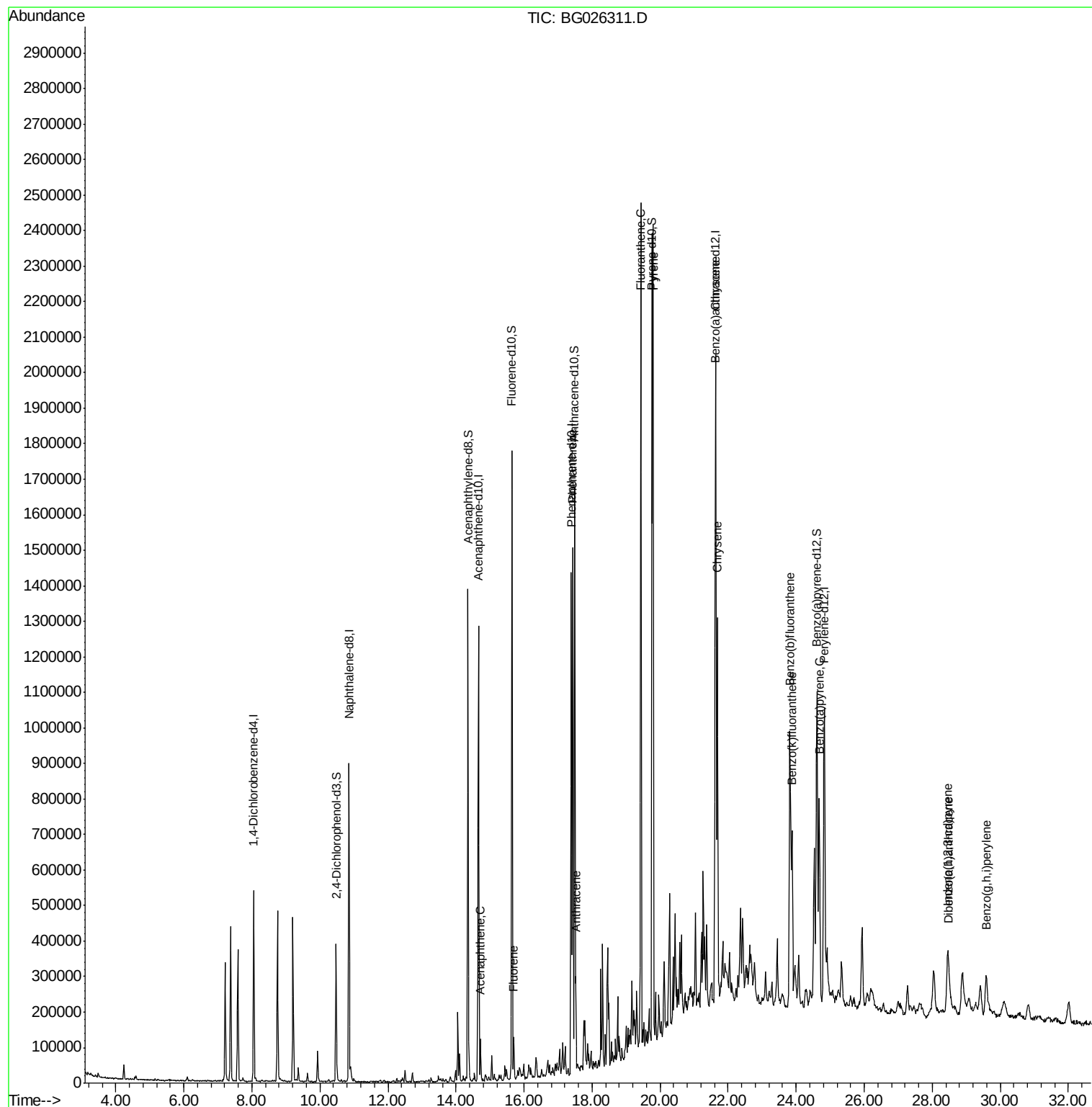
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026311.D
Acq On : 18 Mar 2017 10:22
Operator : SJ/MA
Sample : I2283-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

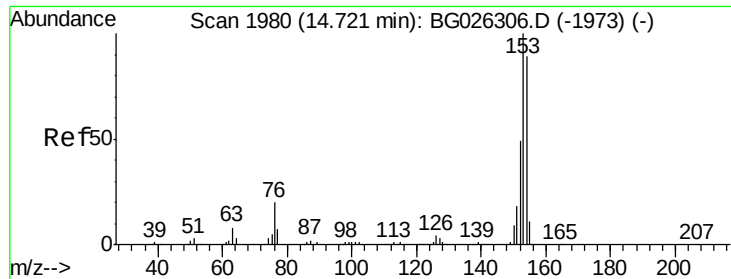
Instrument :
BNA_G
ClientSampleId :
CB311

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:52 PM

Quant Time: Mar 20 03:43:42 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





#9

Acenaphthene

Concen: 1.86 ng/ul

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

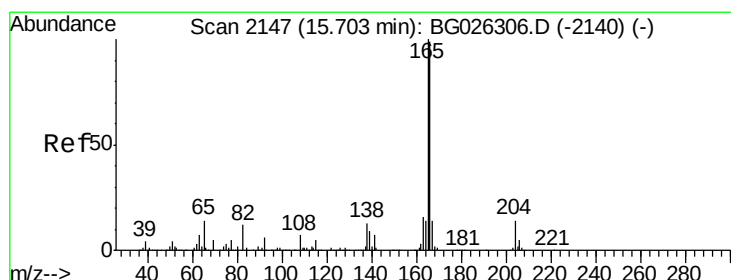
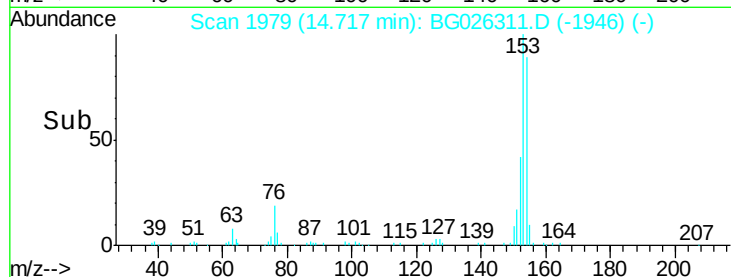
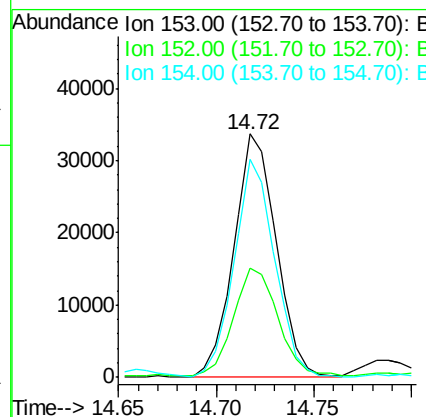
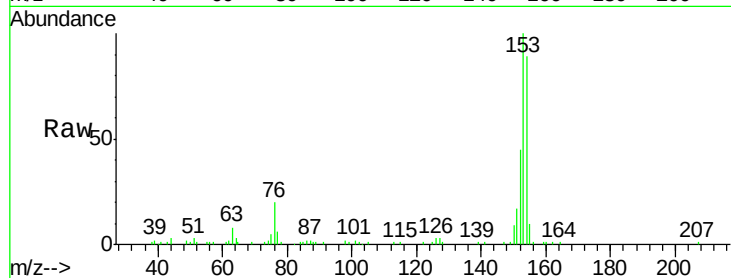
ClientSampleId :

CB311

Tgt Ion:	153	Resp:	50754
Ion	Ratio	Lower	Upper
153	100		
152	44.7	37.9	56.9
154	89.5	71.6	107.4

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:52 PM



#11

Fluorene

Concen: 1.75 ng/ul

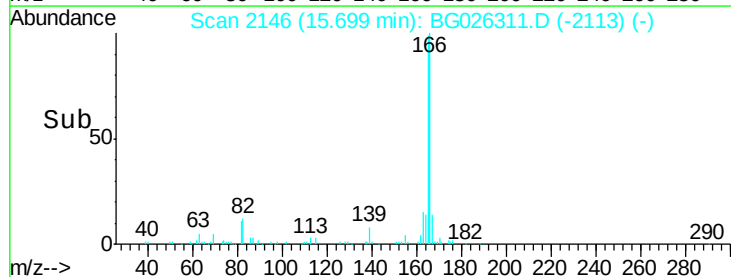
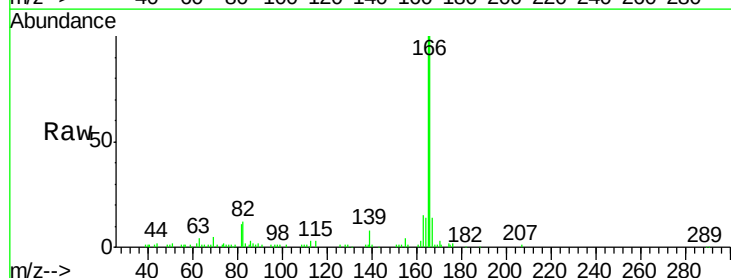
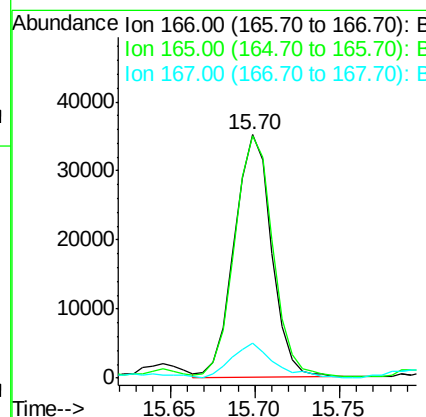
RT: 15.70 min Scan# 2146

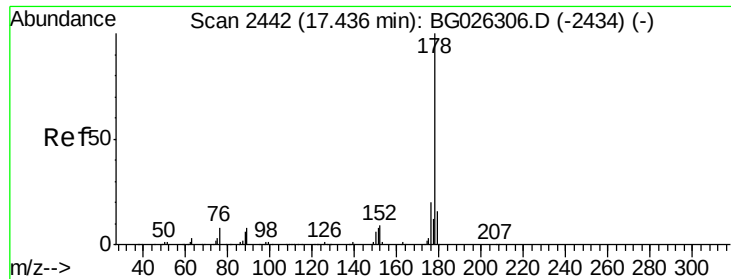
Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Tgt Ion:	166	Resp:	53917
Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.0	120.0
167	14.1	11.6	17.4





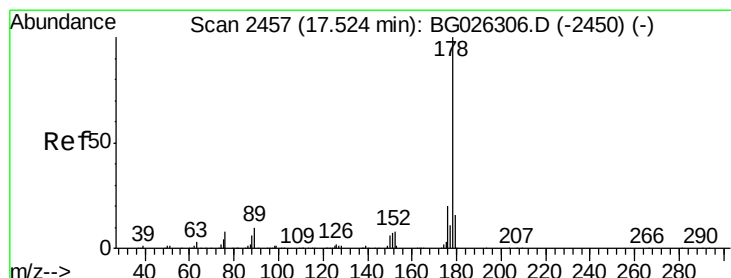
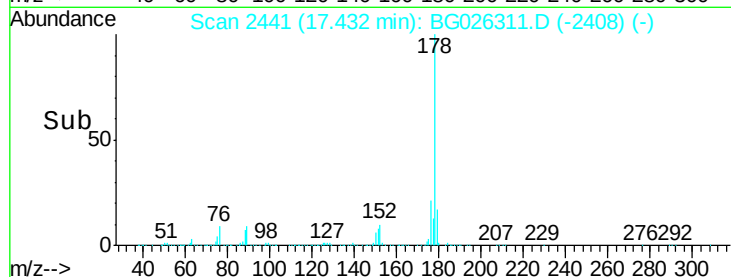
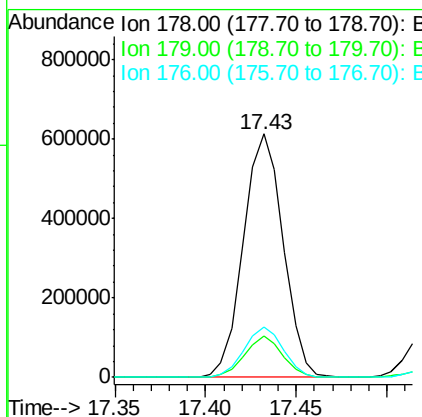
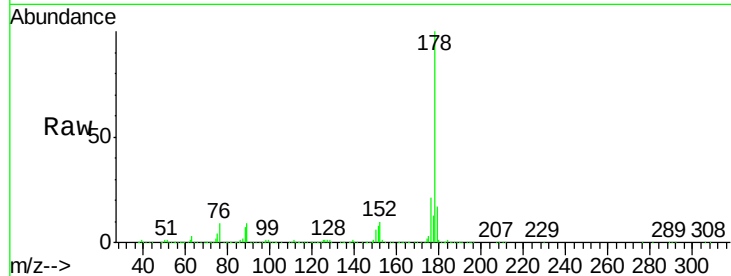
#14
Phenanthrene
Concen: 20.33 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

Instrument :
BNA_G
ClientSampleId :
CB311

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.2	18.4
176	20.9	16.4	24.6

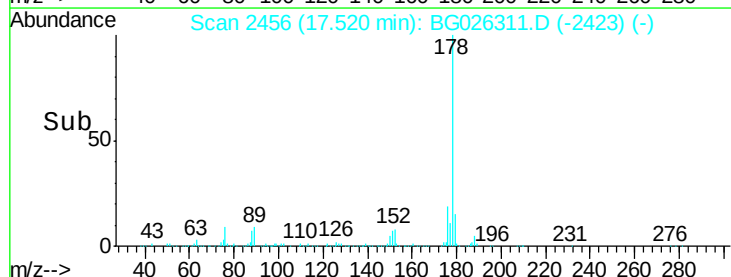
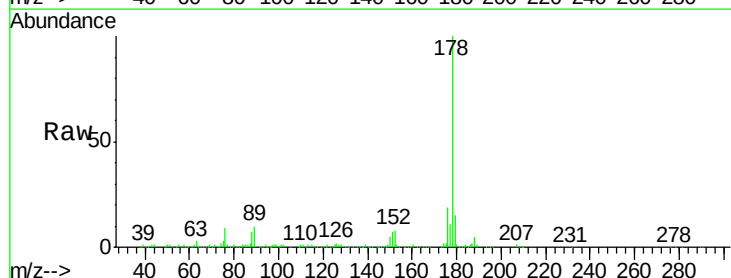
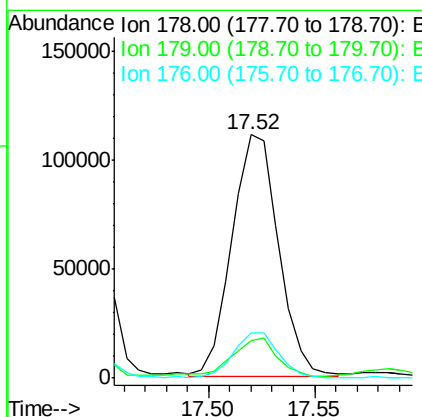
Manual Integrations
APPROVED

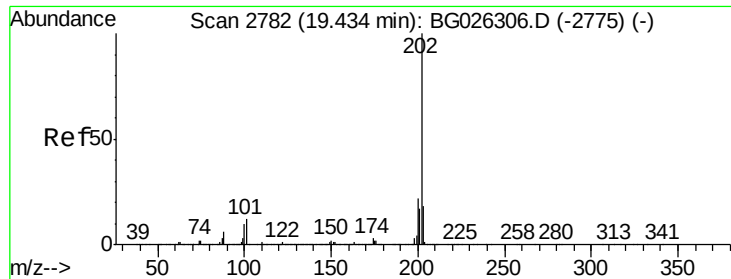
mohammad
3/20/2017 12:55:52 PM



#16
Anthracene
Concen: 3.66 ng/ul
RT: 17.52 min Scan# 2456
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.7	19.1
176	18.8	15.8	23.8





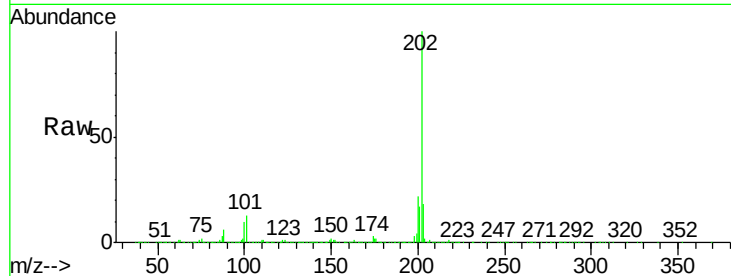
#17
 Fluoranthene
 Concen: 30.47 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026311.D
 Acq: 18 Mar 2017 10:22

Instrument :
 BNA_G
 ClientSampleId :
 CB311

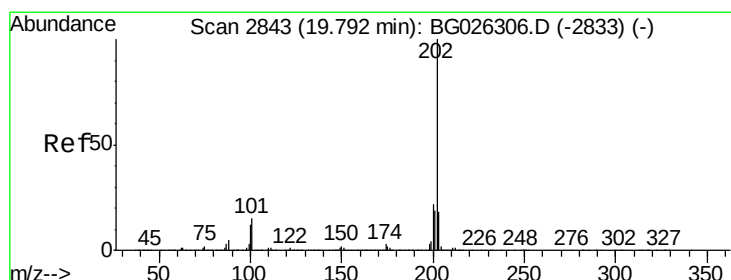
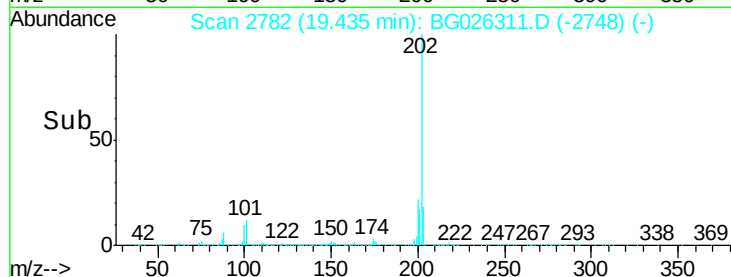
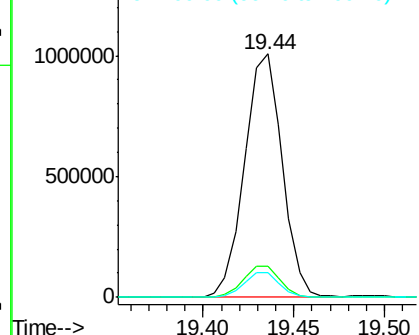
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
100	9.9	7.5	11.3

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:55:52 PM



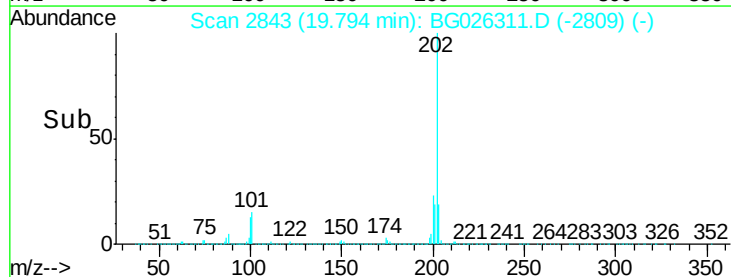
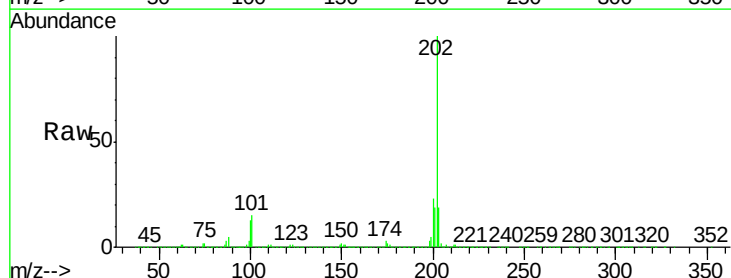
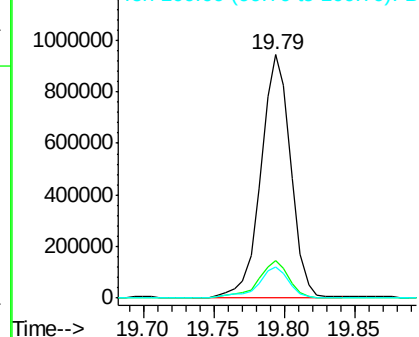
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

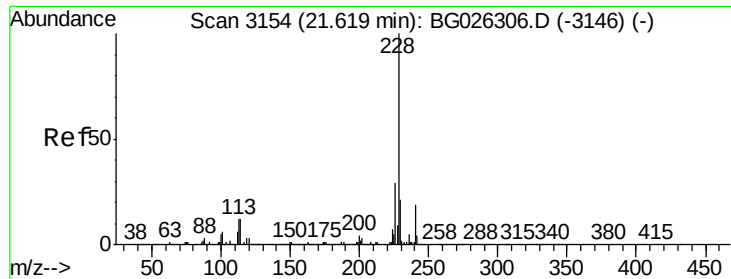


#20
 Pyrene
 Concen: 25.29 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026311.D
 Acq: 18 Mar 2017 10:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	11.2	16.8
100	12.6	9.8	14.6

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





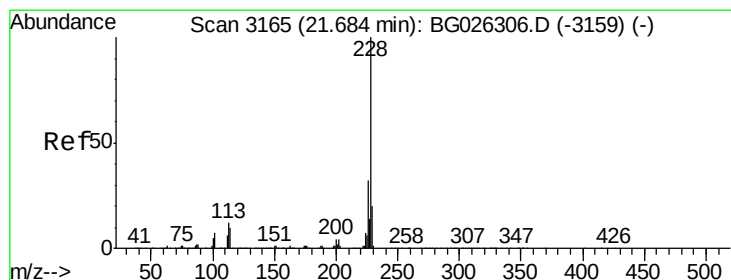
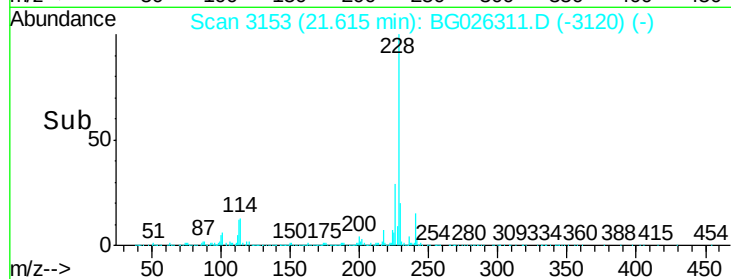
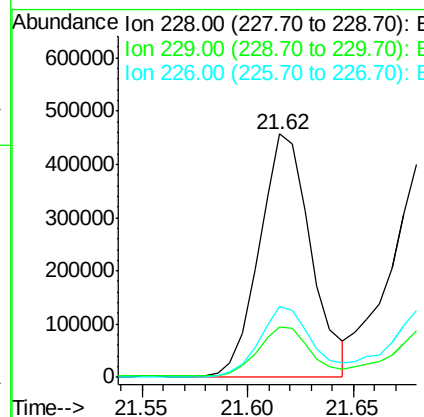
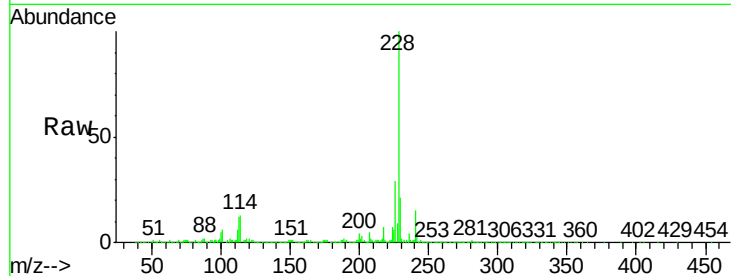
#21
Benzo(a)anthracene
Concen: 16.02 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

Instrument :
BNA_G
ClientSampleId :
CB311

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	29.1	22.1	33.1

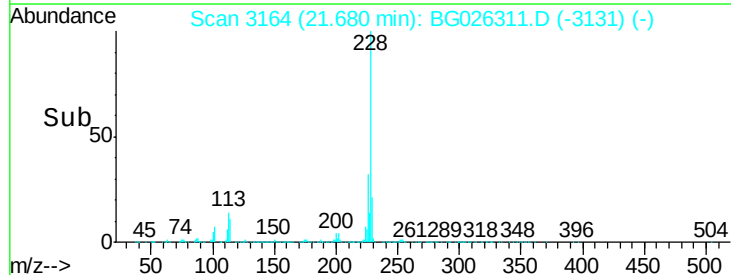
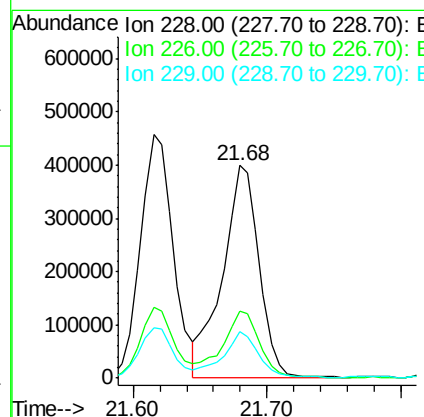
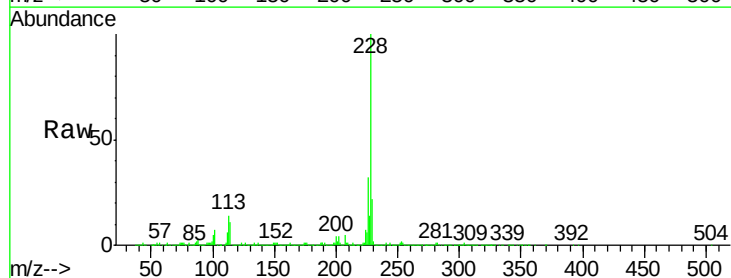
Manual Integrations
APPROVED

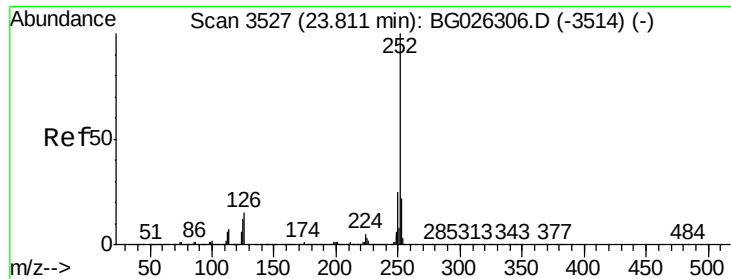
mohammad
3/20/2017 12:55:52 PM



#22
Chrysene
Concen: 16.82 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	21.6	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 20.34 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

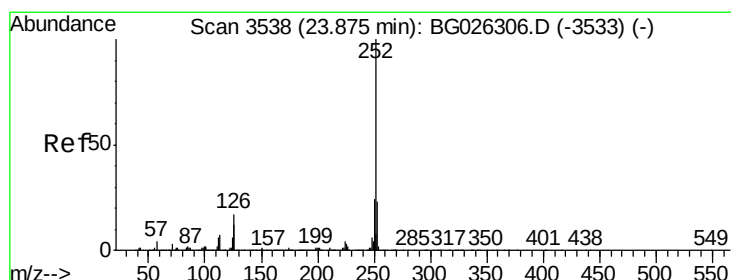
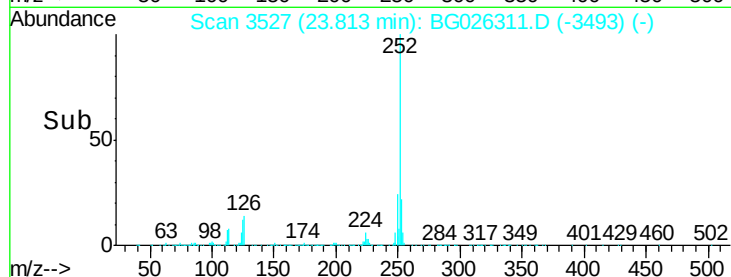
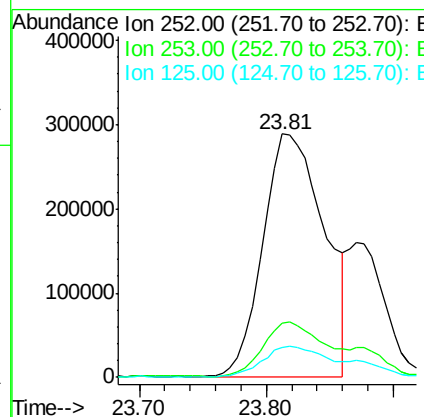
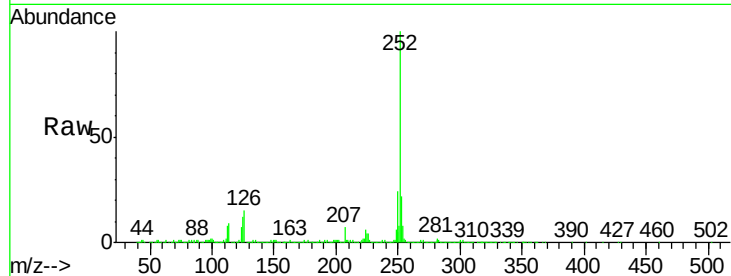
ClientSampleId :

CB311

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	969020		
253	22.4	17.8	26.6	
125	12.2	9.4	14.0	

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:52 PM



#25

Benzo(k)fluoranthene

Concen: 7.47 ng/ul m

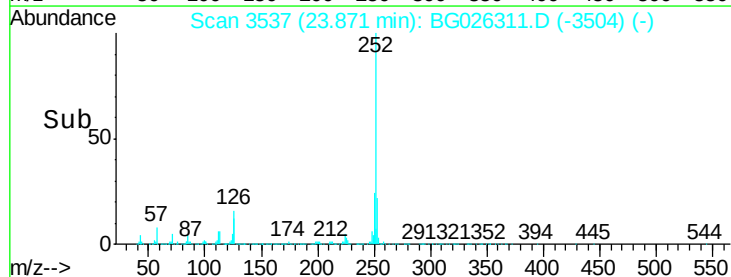
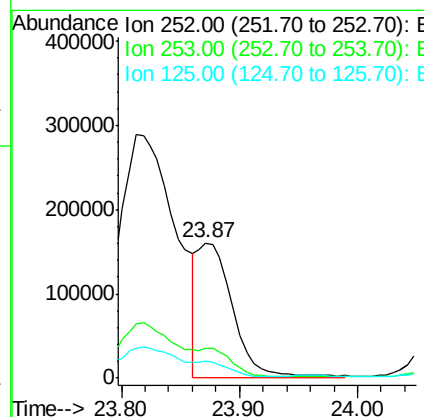
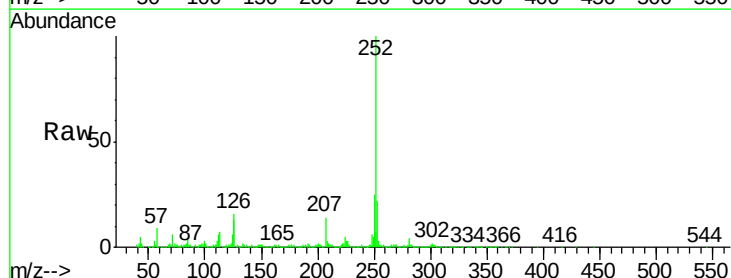
RT: 23.87 min Scan# 3537

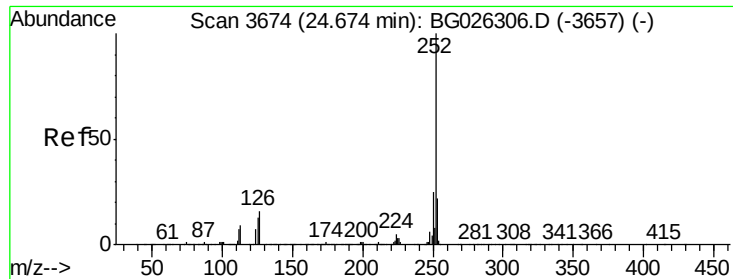
Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	339687		
253	22.1	17.4	26.2	
125	12.6	8.8	13.2	





#27

Benzo(a)pyrene

Concen: 13.74 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

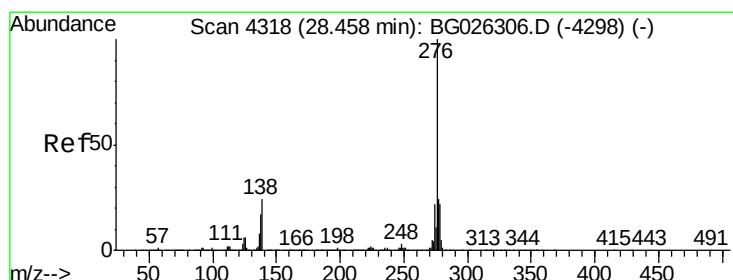
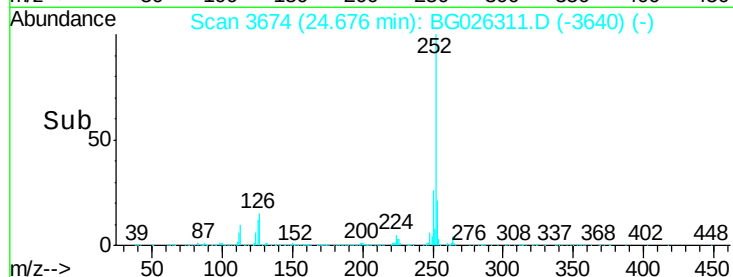
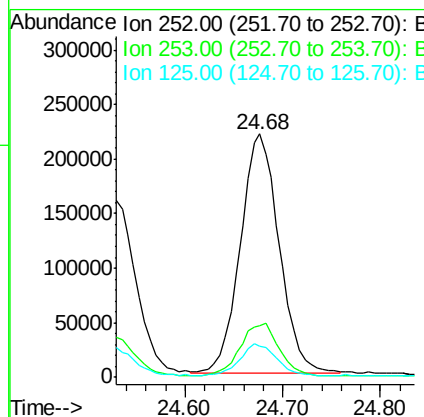
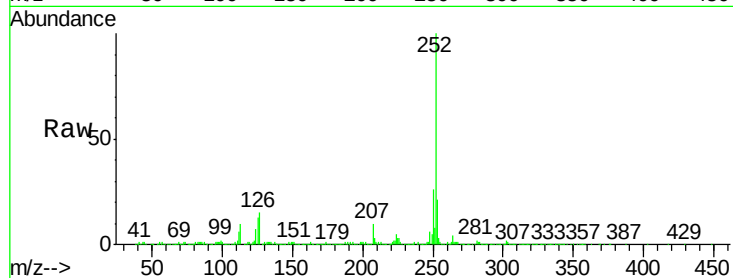
ClientSampleId :

CB311

Tgt Ion:	252	Resp:	608400
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.1	25.7
125	12.7	9.4	14.2

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:52 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 6.93 ng/ul

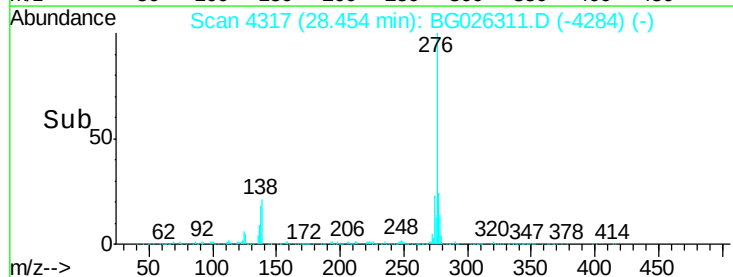
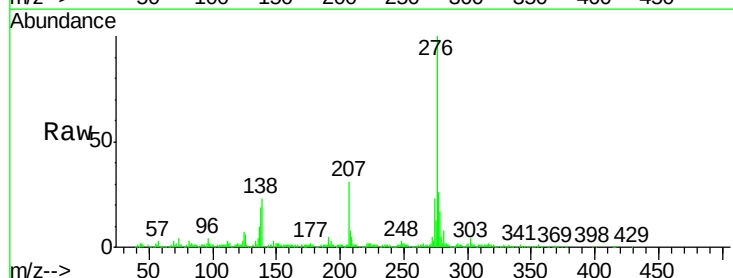
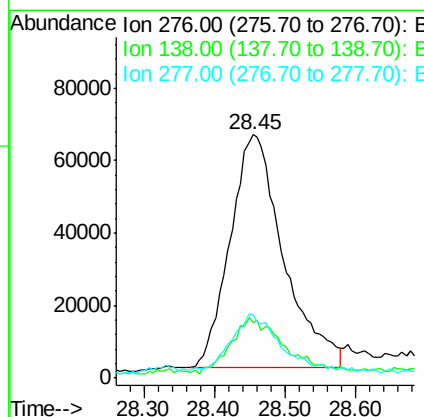
RT: 28.45 min Scan# 4317

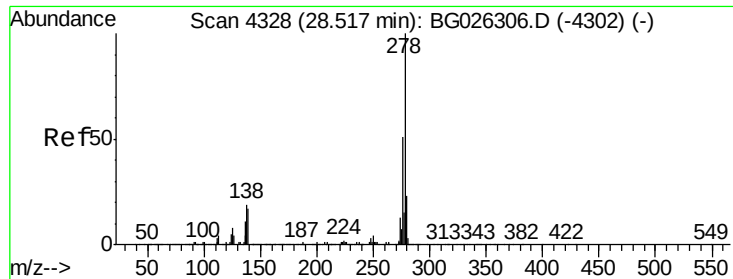
Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Tgt Ion:	276	Resp:	339004
Ion Ratio	Lower	Upper	
276	100		
138	22.7	17.8	26.6
277	25.8	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 2.23 ng/ul m

RT: 28.50 min Scan# 4324

Delta R.T. -0.02 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

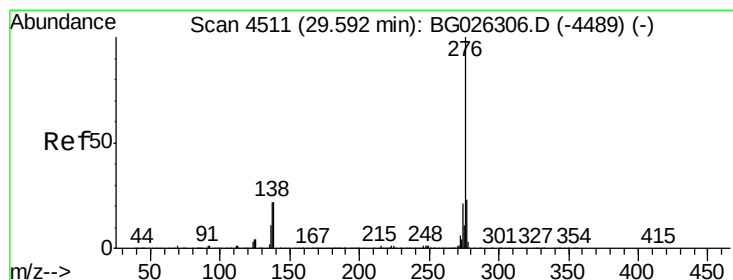
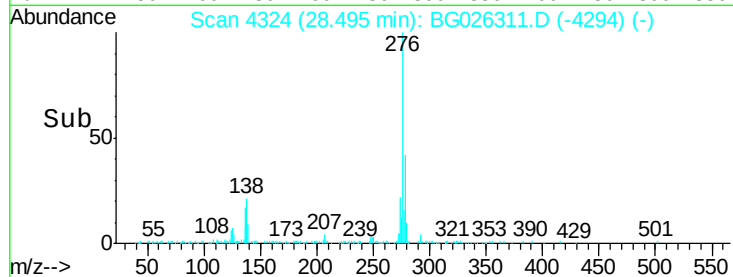
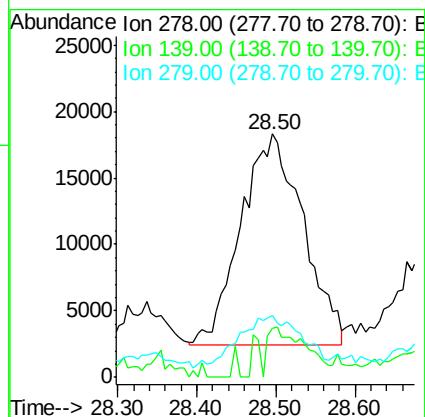
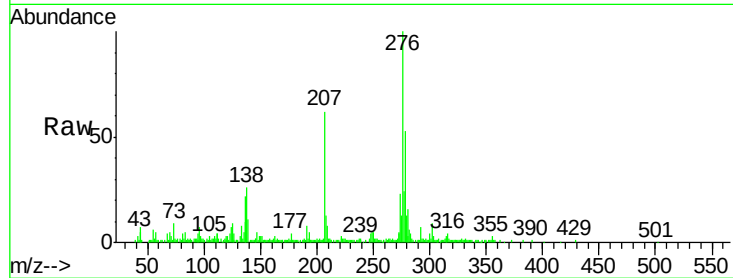
ClientSampled :

CB311

Tgt Ion:	278	Resp:	86601
Ion Ratio	Lower	Upper	
278	100		
139	20.3	14.0	21.0
279	25.6	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:52 PM



#30

Benzo(g,h,i)perylene

Concen: 6.15 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Tgt Ion:	276	Resp:	257130
Ion Ratio	Lower	Upper	
276	100		
138	26.0	19.0	28.4
277	26.6	19.7	29.5

