

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026227.D
 Acq On : 14 Mar 2017 1:03
 Operator : SJ/MA
 Sample : I2217-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y9

Manual Integrations
 APPROVED

mohammad
 3/16/2017 10:53:42 AM

Quant Time: Mar 21 17:24:41 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 17:21:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	88625	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.86	136	448755	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.66	164	269992	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.40	188	590492	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	596833	20.00	ng/ul	-0.01
23) Perylene-d12	24.83	264	571119	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	117769	17.72	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	613848	26.67	ng/ul	-0.01
10) Fluorene-d10	15.65	176	433140	25.79	ng/ul	-0.01
15) Anthracene-d10	17.49	188	591579	22.54	ng/ul	-0.01
19) Pyrene-d10	19.76	212	645823	21.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	592025	24.04	ng/ul	-0.02
Target Compounds				Qvalue		
9) Acenaphthene	14.72	153	22880	1.38	ng/ul	91
11) Fluorene	15.70	166	25762	1.37	ng/ul	98
14) Phenanthrene	17.44	178	544051	17.39	ng/ul	99
16) Anthracene	17.53	178	102118	3.23	ng/ul	97
17) Fluoranthene	19.44	202	895029	27.55	ng/ul	99
20) Pyrene	19.79	202	792271	20.85	ng/ul	98
21) Benzo(a)anthracene	21.62	228	436333	13.14	ng/ul	97
22) Chrysene	21.69	228	425496	13.73	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	589112	18.17	ng/ul	99
25) Benzo(k)fluoranthene	23.88	252	174815m	5.65	ng/ul	
27) Benzo(a)pyrene	24.68	252	395985	13.14	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.45	276	276256	8.30	ng/ul	96
29) Dibenzo(a,h)anthracene	28.50	278	74256m	2.81	ng/ul	
30) Benzo(g,h,i)perylene	29.58	276	246217	8.65	ng/ul#	91

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

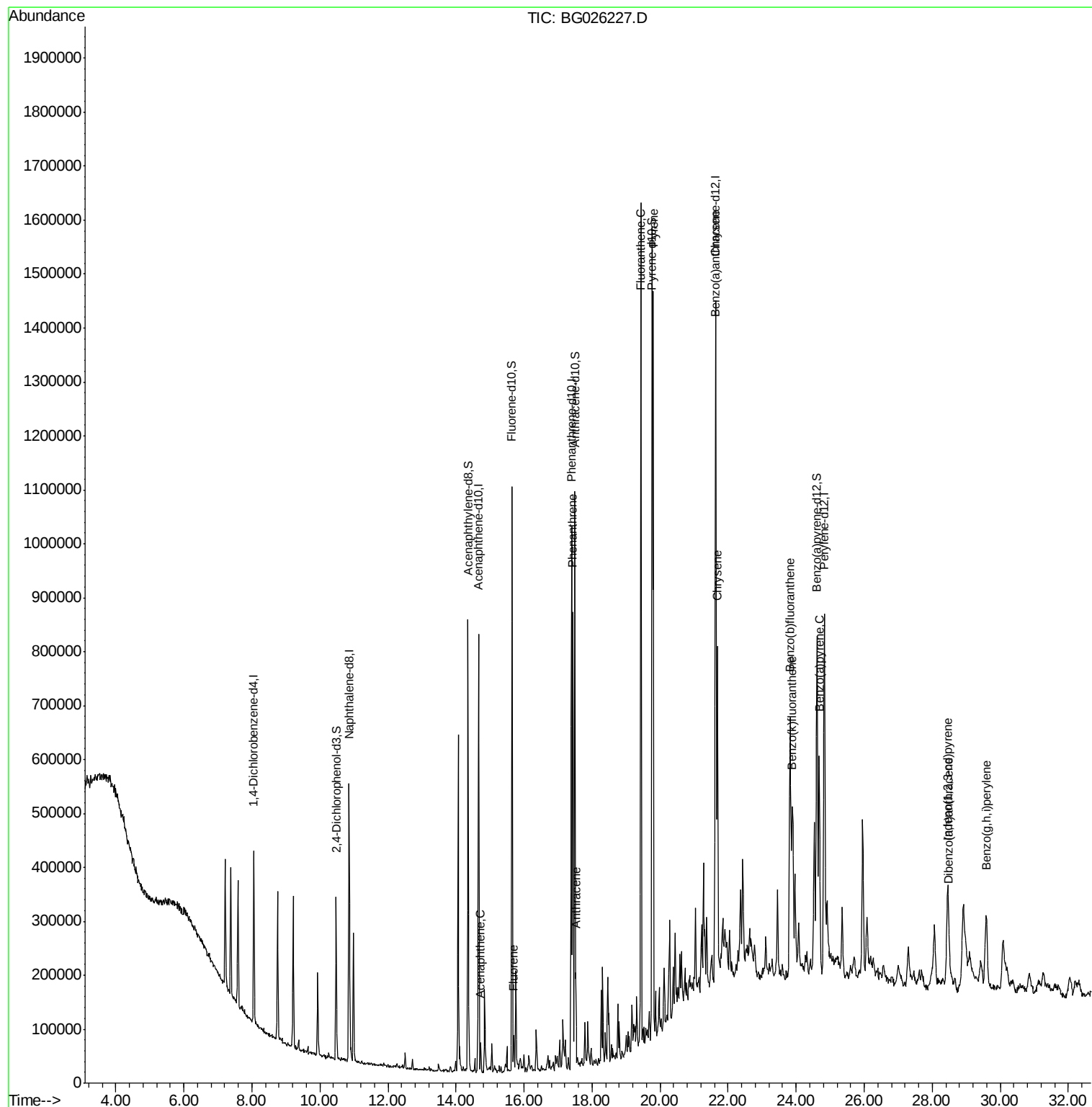
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026227.D
Acq On : 14 Mar 2017 1:03
Operator : SJ/MA
Sample : I2217-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

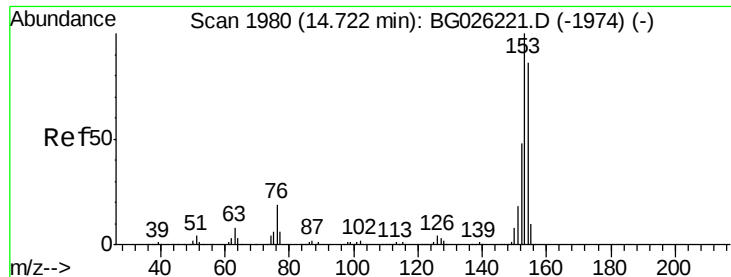
Instrument :
BNA_G
ClientSampleId :
CB2Y9

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:42 AM

Quant Time: Mar 21 17:24:41 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 1.38 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

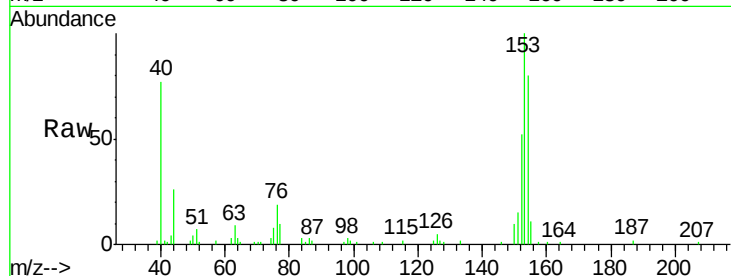
ClientSampleId :

CB2Y9

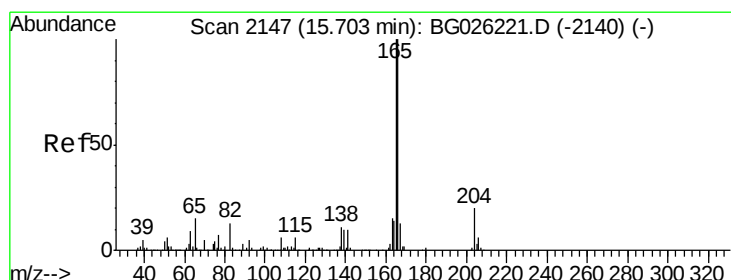
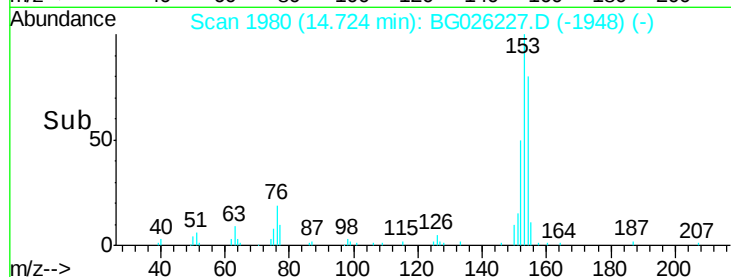
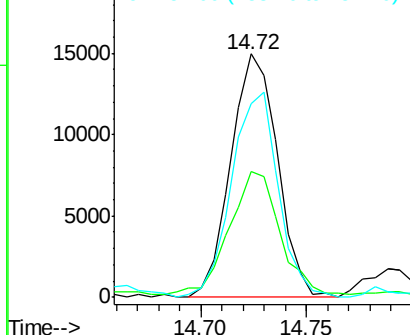
Tgt Ion:	153	Resp:	22880
Ion Ratio	Lower	Upper	
153	100		
152	51.9	37.9	56.9
154	79.8	71.6	107.4

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:42 AM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.37 ng/ul

RT: 15.70 min Scan# 2147

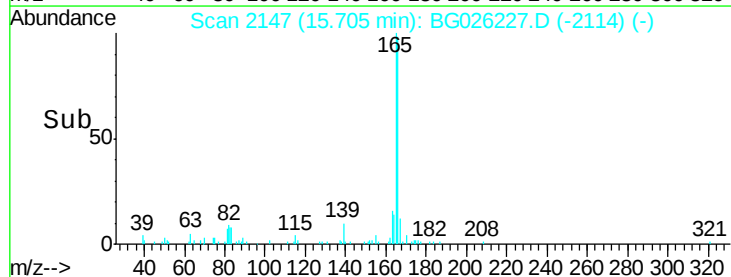
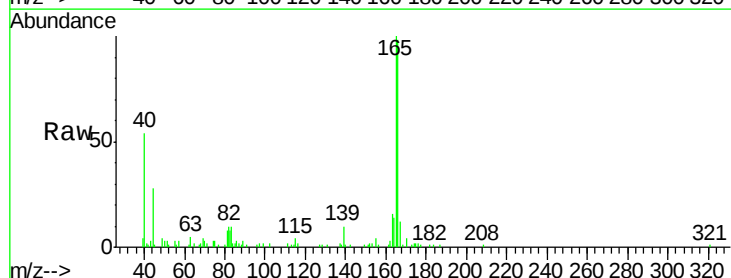
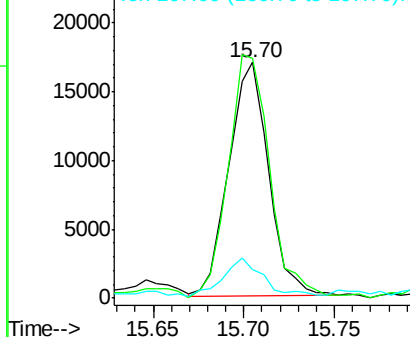
Delta R.T. -0.01 min

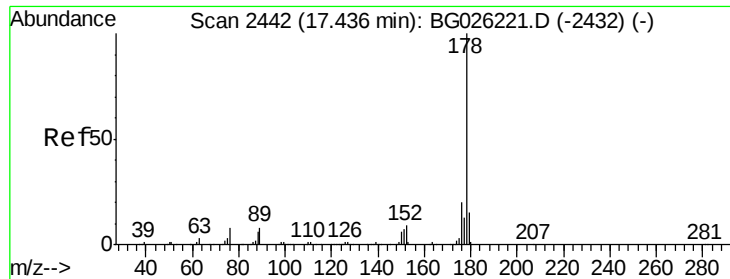
Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Tgt Ion:	166	Resp:	25762
Ion Ratio	Lower	Upper	
166	100		
165	101.6	80.0	120.0
167	12.3	11.6	17.4

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 17.39 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

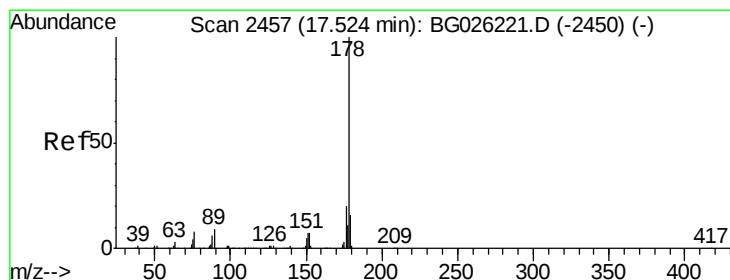
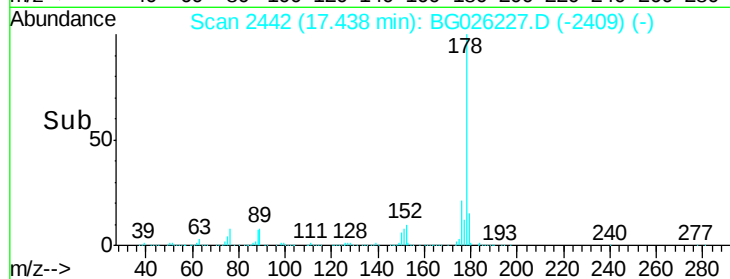
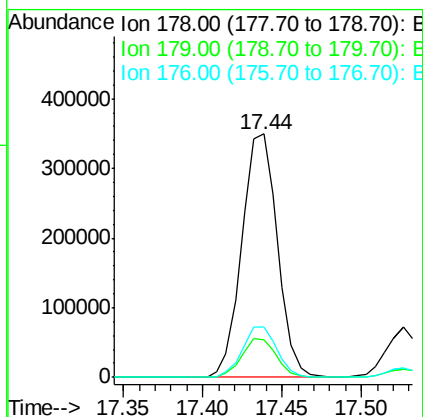
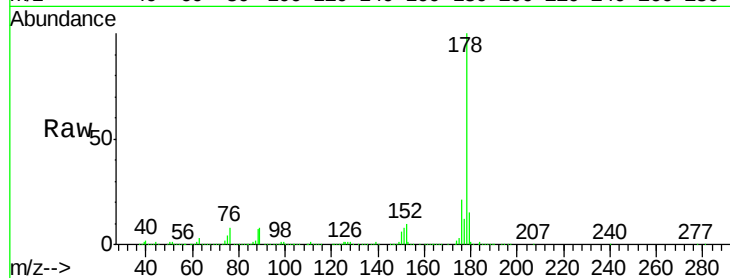
ClientSampleId :

CB2Y9

Tgt Ion:	178	Resp:	544051
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.2	18.4
176	20.9	16.4	24.6

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:42 AM



#16

Anthracene

Concen: 3.23 ng/ul

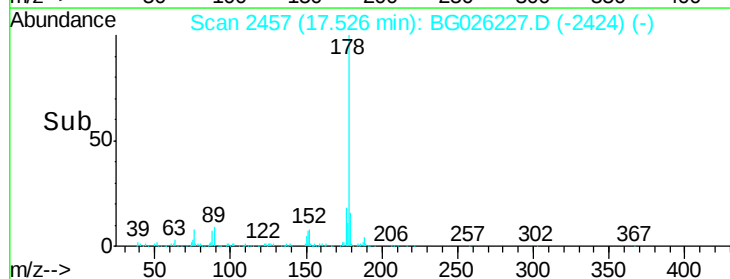
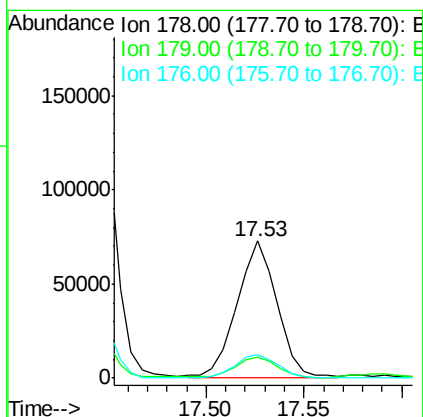
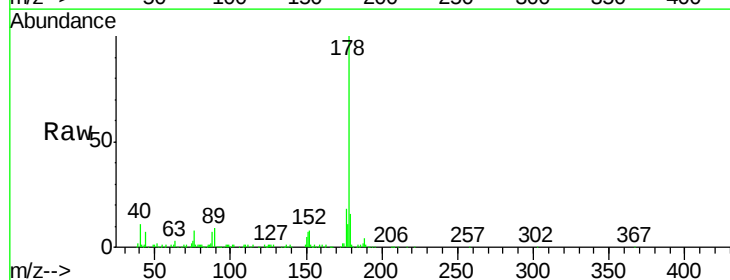
RT: 17.53 min Scan# 2457

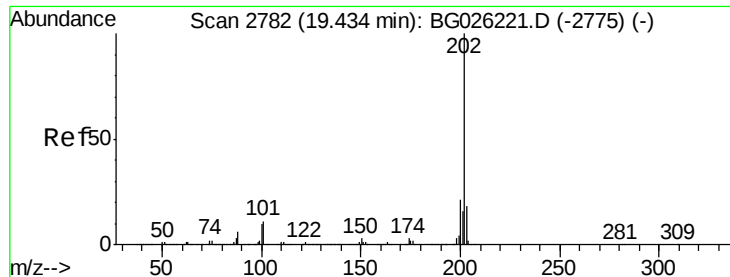
Delta R.T. -0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Tgt Ion:	178	Resp:	102118
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.7	19.1
176	17.6	15.8	23.8





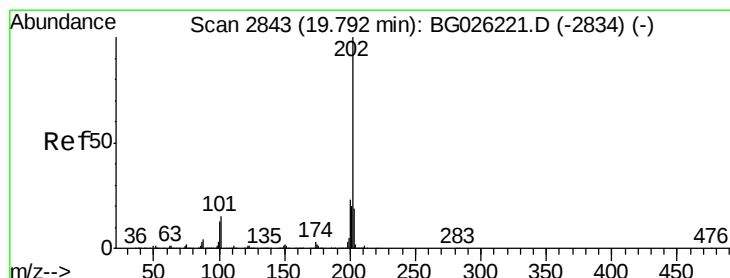
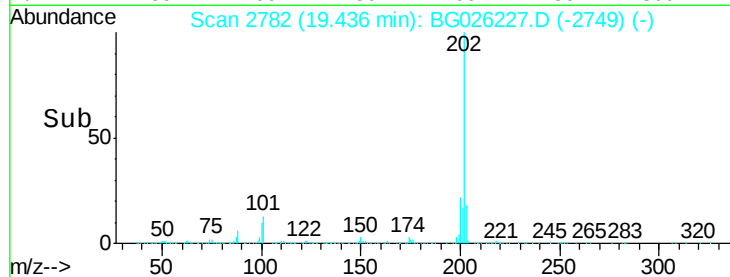
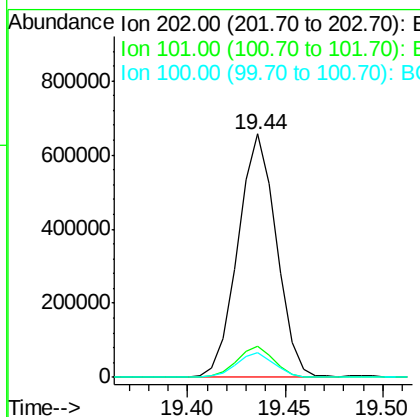
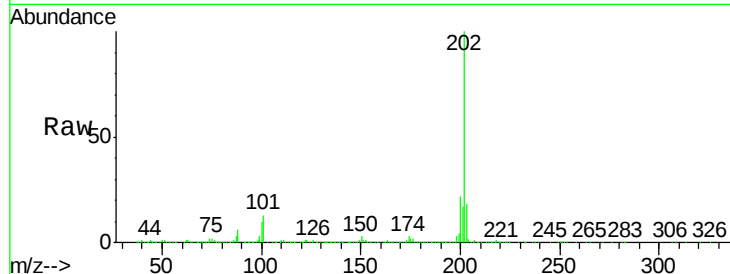
#17
Fluoranthene
Concen: 27.55 ng/ul
RT: 19.44 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Instrument :
BNA_G
ClientSampleId :
CB2Y9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.7	9.8	14.8
100	9.9	7.5	11.3

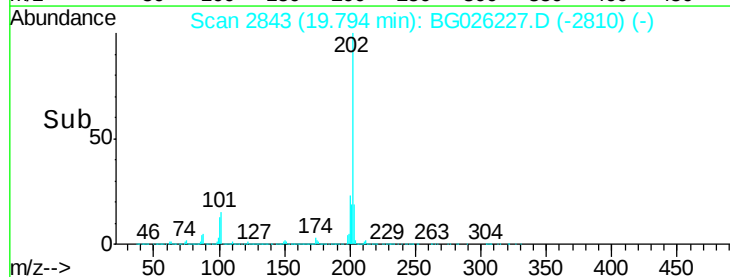
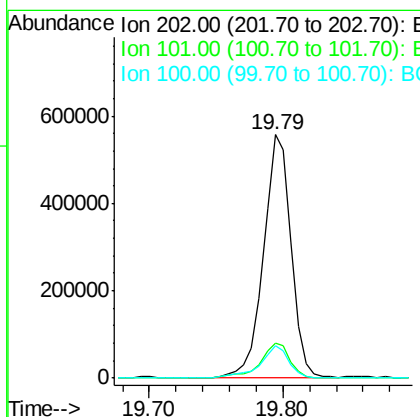
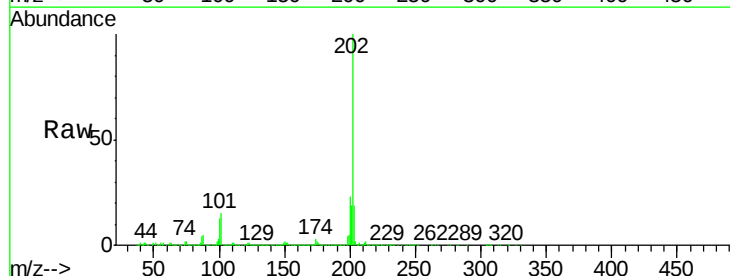
Manual Integrations
APPROVED

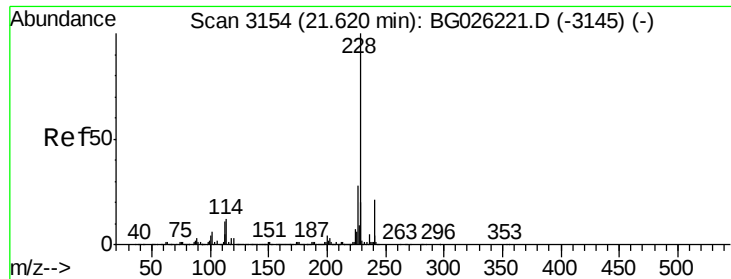
mohammad
3/16/2017 10:53:42 AM



#20
Pyrene
Concen: 20.85 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.5	11.2	16.8
100	13.4	9.8	14.6





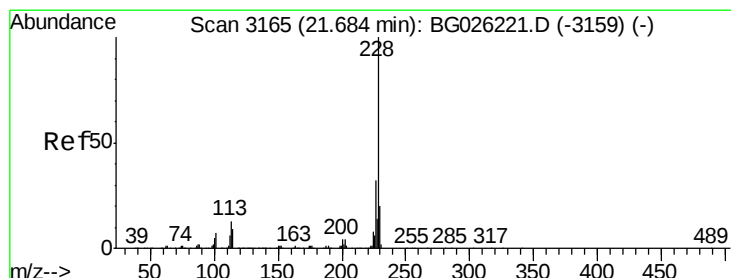
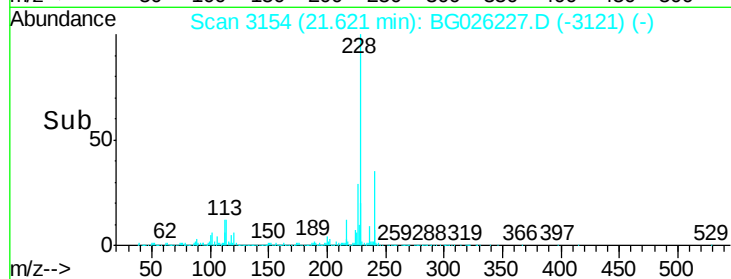
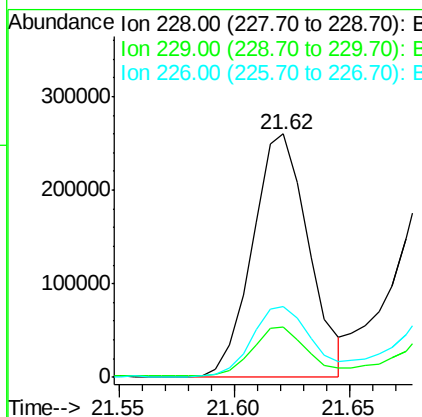
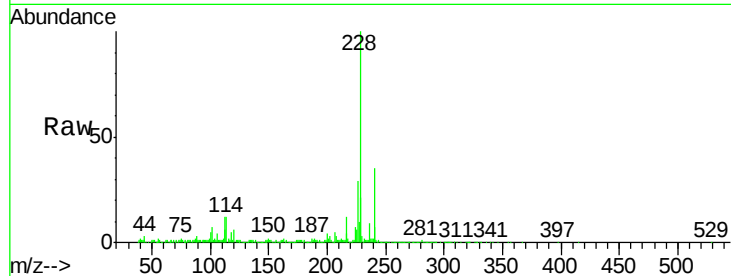
#21
Benzo(a)anthracene
Concen: 13.14 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Instrument :
BNA_G
ClientSampleId :
CB2Y9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	29.3	22.1	33.1

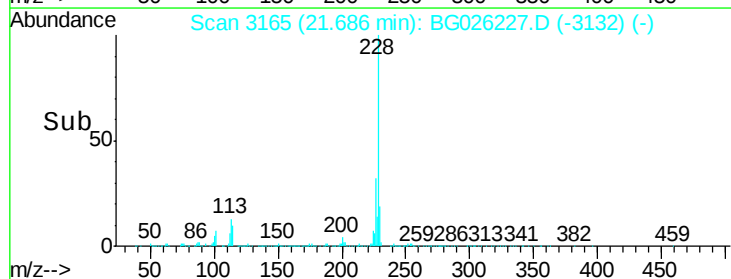
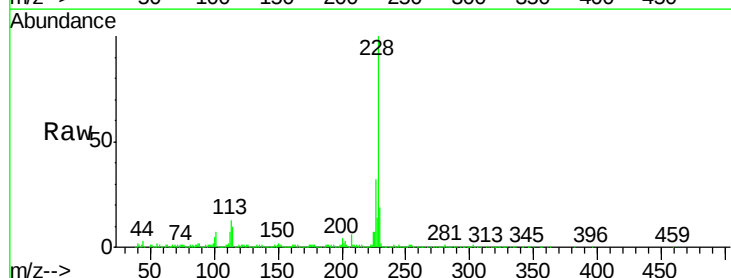
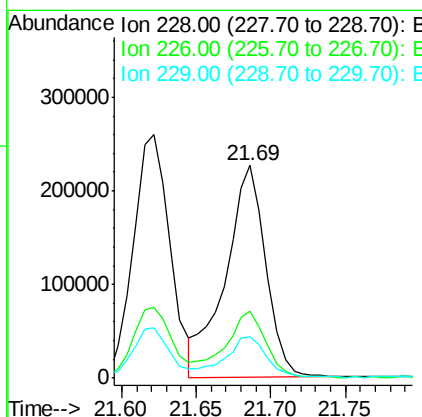
Manual Integrations
APPROVED

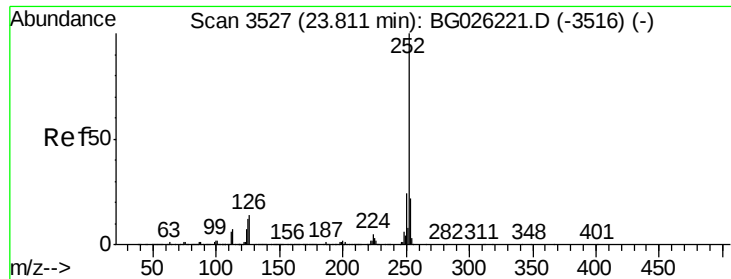
mohammad
3/16/2017 10:53:42 AM



#22
Chrysene
Concen: 13.73 ng/ul
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	19.3	16.6	25.0





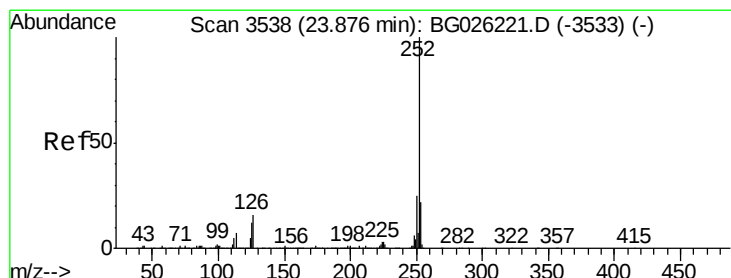
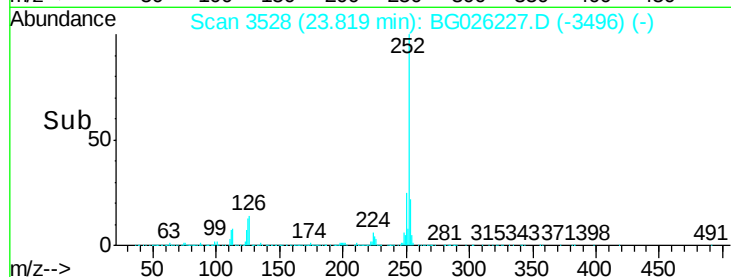
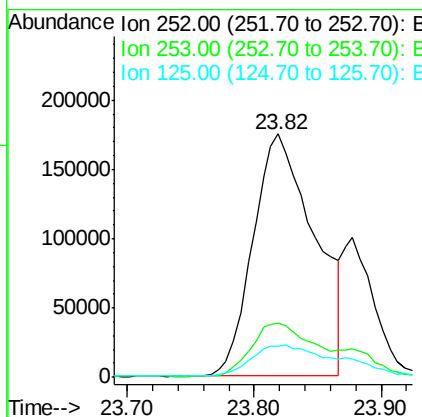
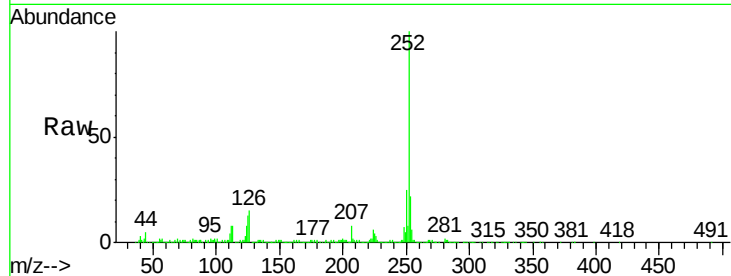
#24
Benzo(b)fluoranthene
Concen: 18.17 ng/ul
RT: 23.82 min Scan# 3528
Delta R.T. -0.01 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Instrument :
BNA_G
ClientSampleId :
CB2Y9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.9	9.4	14.0

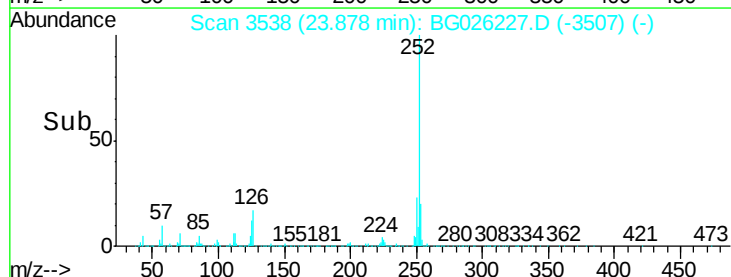
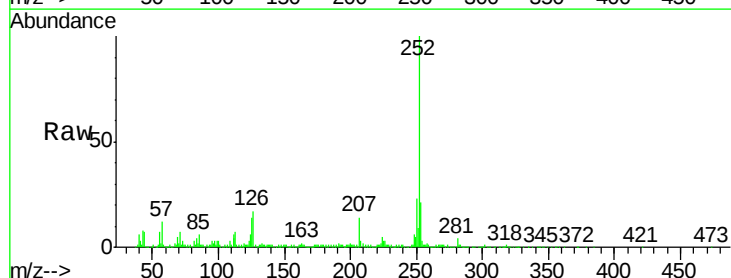
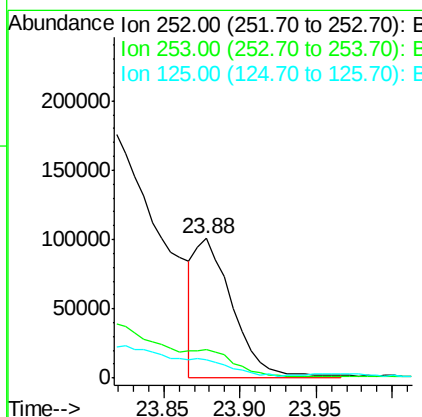
Manual Integrations
APPROVED

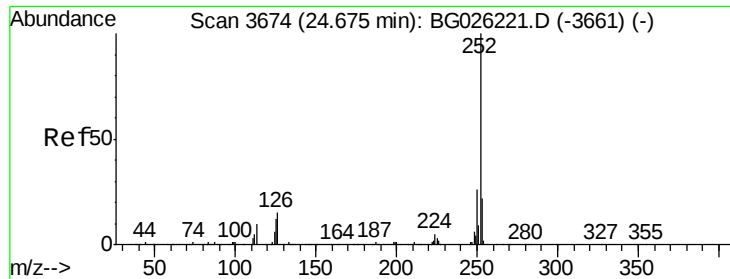
mohammad
3/16/2017 10:53:42 AM



#25
Benzo(k)fluoranthene
Concen: 5.65 ng/ul m
RT: 23.88 min Scan# 3538
Delta R.T. -0.02 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	13.5	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 13.14 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. -0.02 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

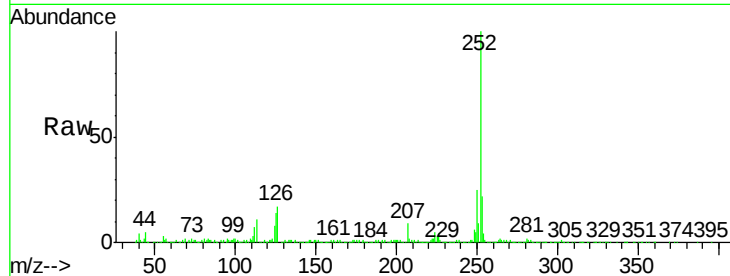
ClientSampleId :

CB2Y9

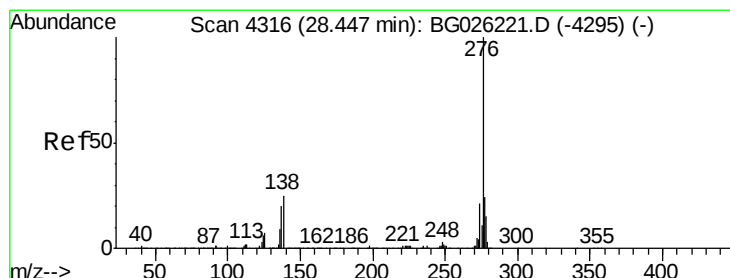
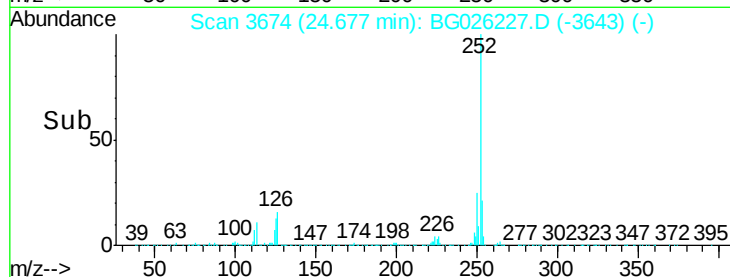
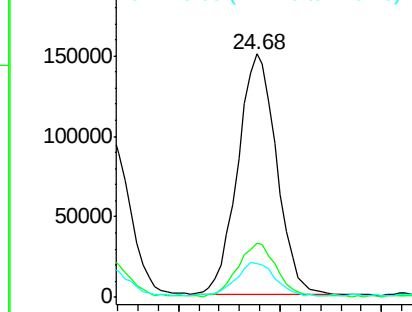
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	395985		
253	22.0	17.1	25.7	
125	14.0	9.4	14.2	

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:42 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



#28

Indeno(1,2,3-cd)pyrene

Concen: 8.30 ng/ul

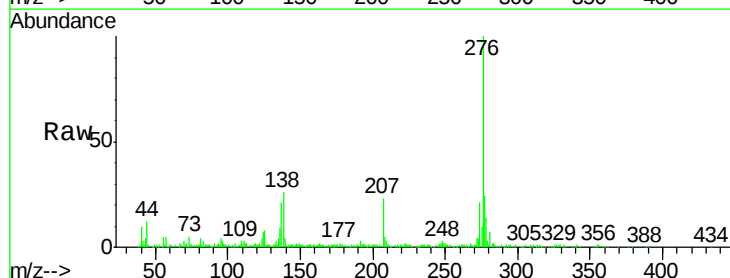
RT: 28.45 min Scan# 4317

Delta R.T. -0.03 min

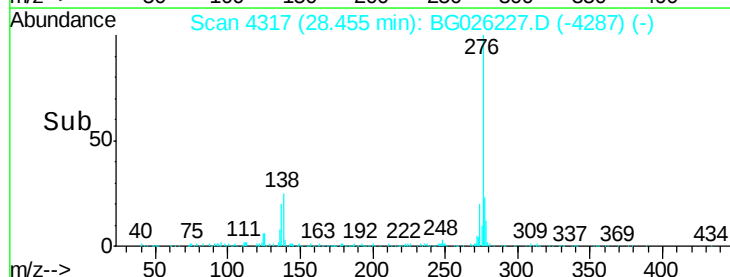
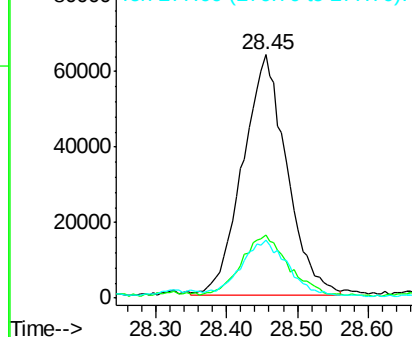
Lab File: BG026227.D

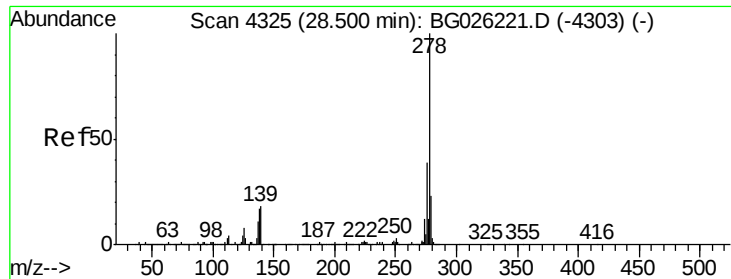
Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	276256		
138	25.7	17.8	26.6	
277	23.9	19.4	29.0	



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





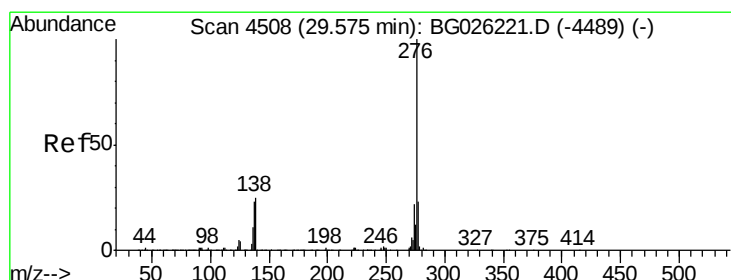
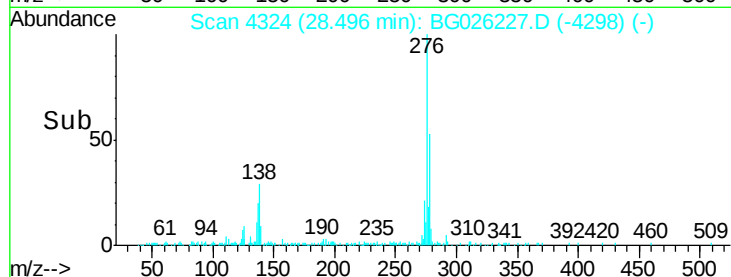
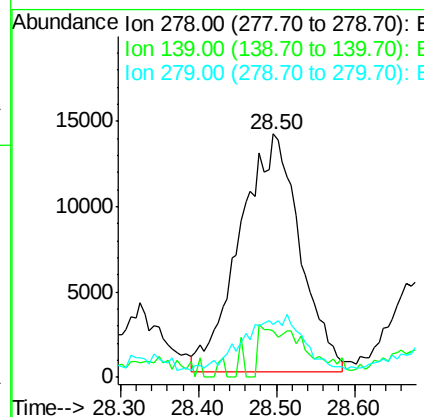
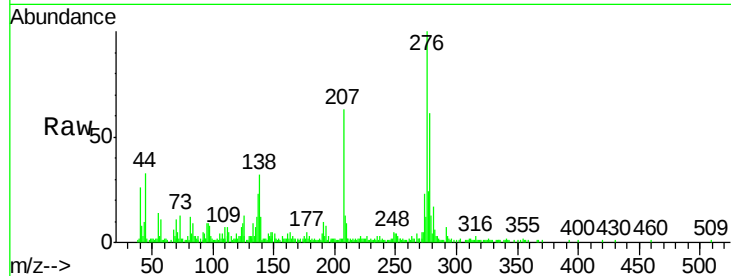
#29
Dibenzo(a,h)anthracene
Concen: 2.81 ng/ul m
RT: 28.50 min Scan# 4324
Delta R.T. -0.05 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Instrument :
BNA_G
ClientSampleId :
CB2Y9

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.0	21.0
279	21.8	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:42 AM



#30
Benzo(g,h,i)perylene
Concen: 8.65 ng/ul
RT: 29.58 min Scan# 4509
Delta R.T. -0.03 min
Lab File: BG026227.D
Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	19.0	28.4#
277	21.8	19.7	29.5

