

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026226.D
 Acq On : 14 Mar 2017 00:23
 Operator : SJ/MA
 Sample : I2217-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2X1

Manual Integrations
 APPROVED

mohammad
 3/16/2017 10:53:40 AM

Quant Time: Mar 15 17:55:31 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	86075	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	431417	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	253710	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	558956	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	573222	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	559304	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	101658	15.91	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	554085	25.61	ng/ul	0.00
10) Fluorene-d10	15.64	176	403135	25.55	ng/ul	-0.02
15) Anthracene-d10	17.49	188	564562	22.73	ng/ul	-0.02
19) Pyrene-d10	19.77	212	638726	21.84	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	586449	24.31	ng/ul	-0.02
Target Compounds						
						Qvalue
4) Naphthalene	10.91	128	73453	3.48	ng/ul	97
5) 2-Methylnaphthalene	12.50	142	40770	2.60	ng/ul	98
9) Acenaphthene	14.73	153	59732	3.82	ng/ul	89
11) Fluorene	15.70	166	70091	3.98	ng/ul	93
14) Phenanthrene	17.44	178	1110314	37.48	ng/ul	97
16) Anthracene	17.52	178	229530	7.67	ng/ul	98
17) Fluoranthene	19.43	202	1793483	58.32	ng/ul#	95
20) Pyrene	19.80	202	1599559	43.83	ng/ul	96
21) Benzo(a)anthracene	21.62	228	900218	28.22	ng/ul	97
22) Chrysene	21.68	228	814496	27.36	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	1098517	34.59	ng/ul#	97
25) Benzo(k)fluoranthene	23.88	252	454011m	14.97	ng/ul	
27) Benzo(a)pyrene	24.68	252	753895	25.55	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.46	276	506805	15.55	ng/ul	95
29) Dibenzo(a,h)anthracene	28.50	278	142038m	5.50	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	476550	17.09	ng/ul#	91

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

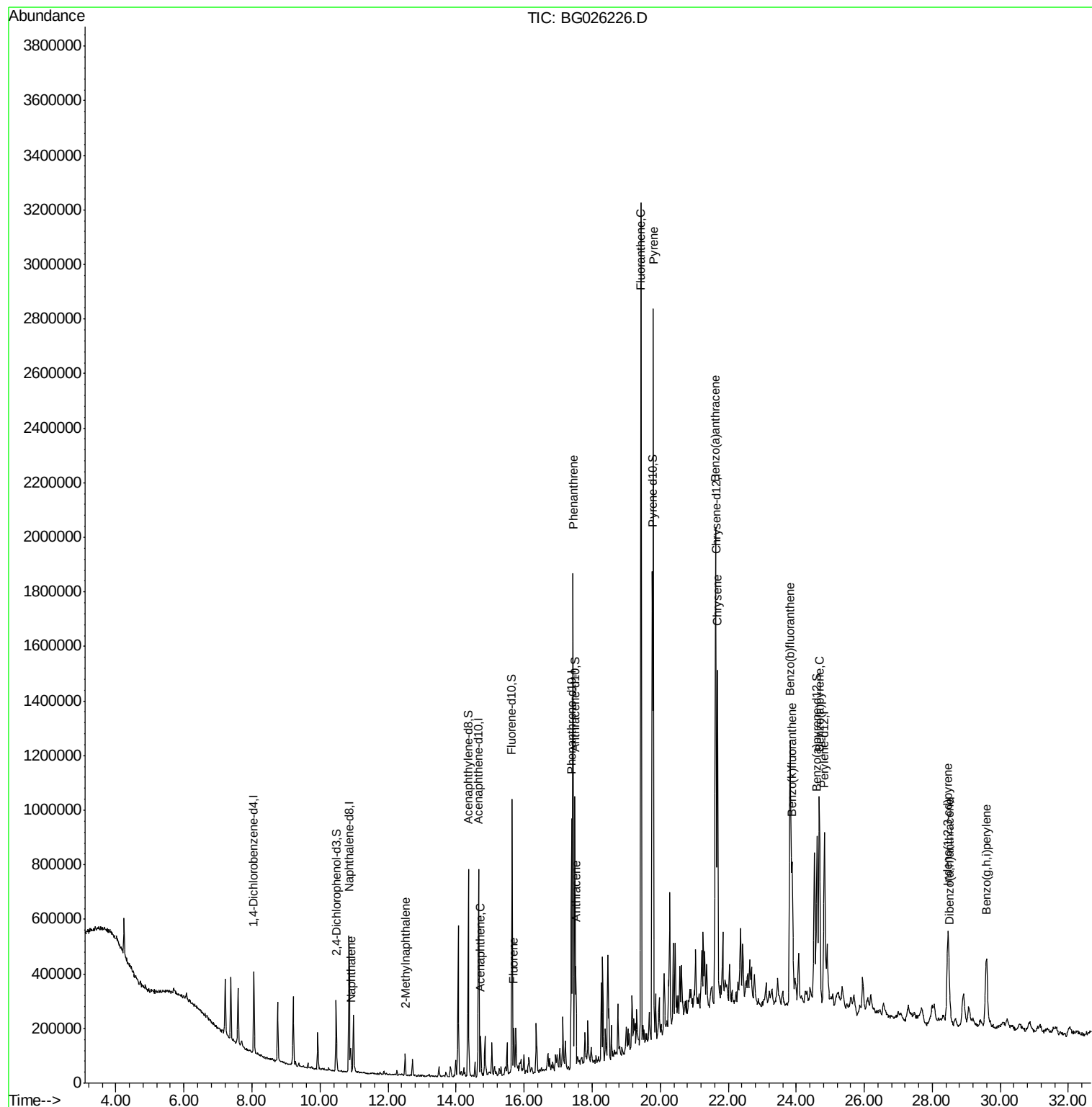
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026226.D
Acq On : 14 Mar 2017 00:23
Operator : SJ/MA
Sample : I2217-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

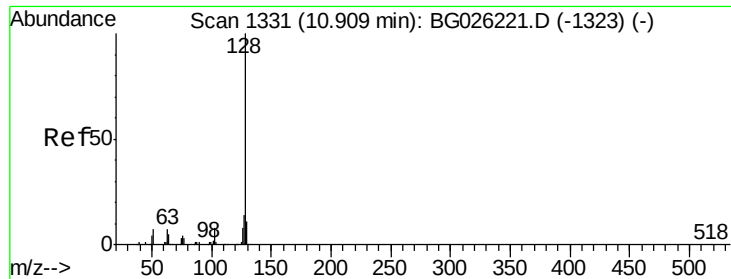
Instrument :
BNA_G
ClientSampleId :
CB2X1

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:40 AM

Quant Time: Mar 15 17:55:31 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





#4

Naphthalene

Concen: 3.48 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Instrument :

BNA_G

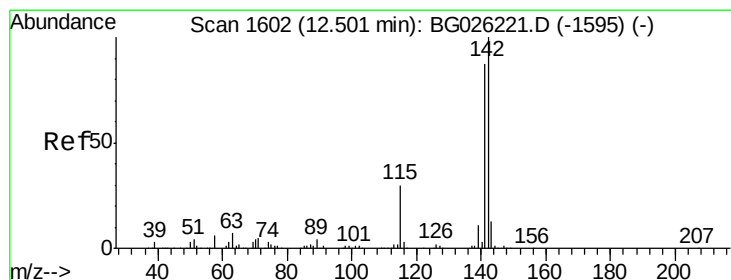
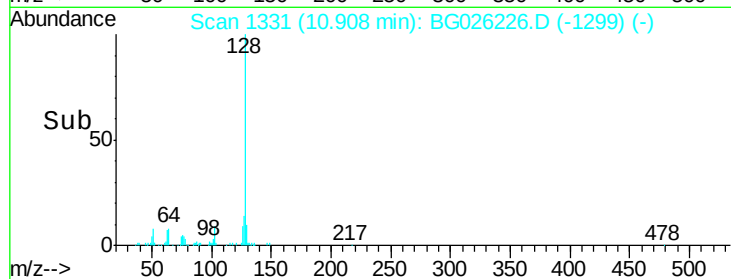
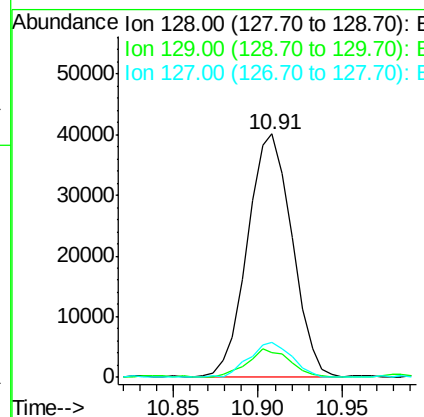
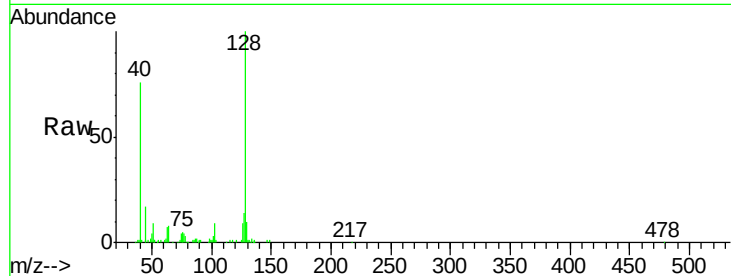
ClientSampleId :

CB2X1

Tgt Ion:	128	Resp:	73453
Ion Ratio	Lower	Upper	
128	100		
129	10.1	9.1	13.7
127	14.3	10.6	15.8

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:40 AM



#5

2-Methylnaphthalene

Concen: 2.60 ng/ul

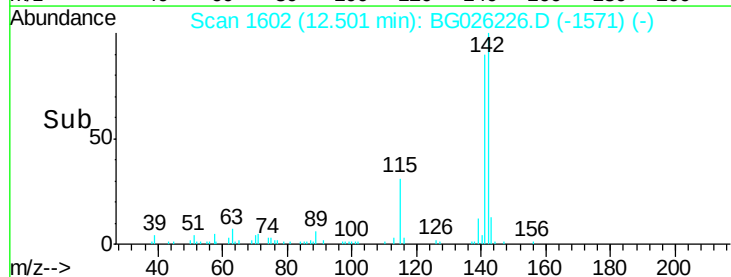
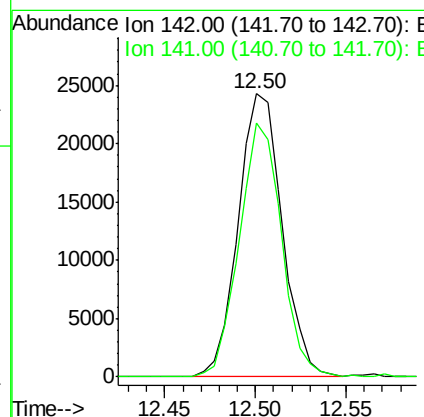
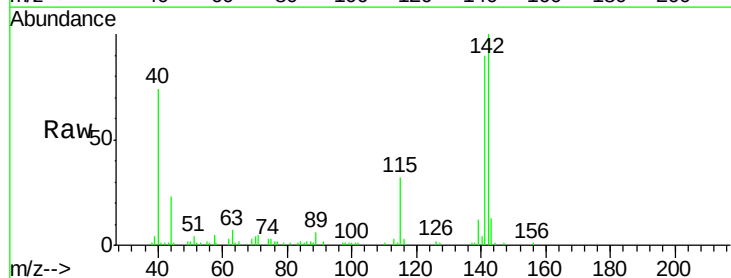
RT: 12.50 min Scan# 1602

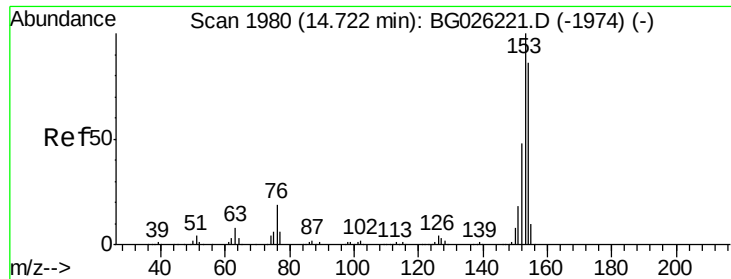
Delta R.T. -0.02 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Tgt Ion:	142	Resp:	40770
Ion Ratio	Lower	Upper	
142	100		
141	89.6	69.8	104.8





#9

Acenaphthene

Concen: 3.82 ng/ul

RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG026226.D

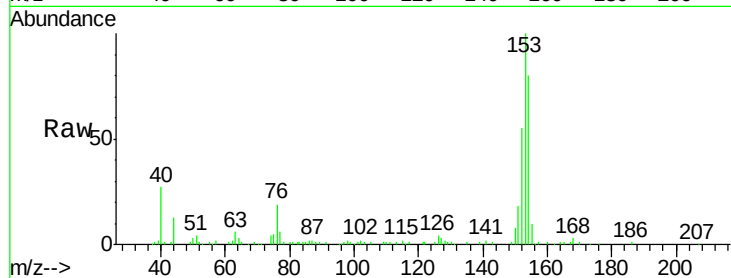
Acq: 14 Mar 2017 00:23

Instrument :

BNA_G

ClientSampled :

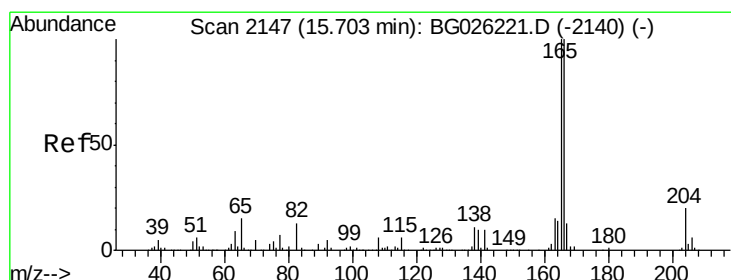
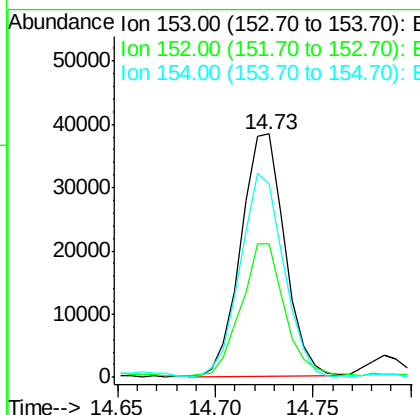
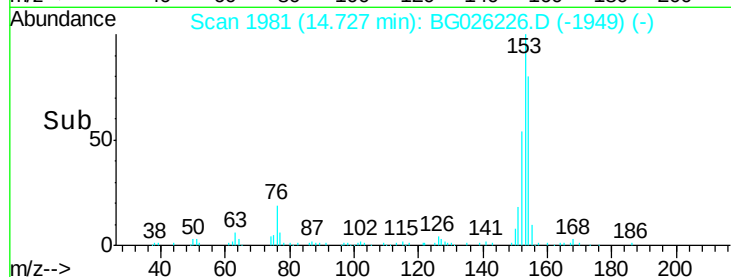
CB2X1



Tgt Ion:	153	Resp:	59732
Ion Ratio	Lower	Upper	
153	100		
152	55.1	37.9	56.9
154	79.7	71.6	107.4

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:40 AM



#11

Fluorene

Concen: 3.98 ng/ul

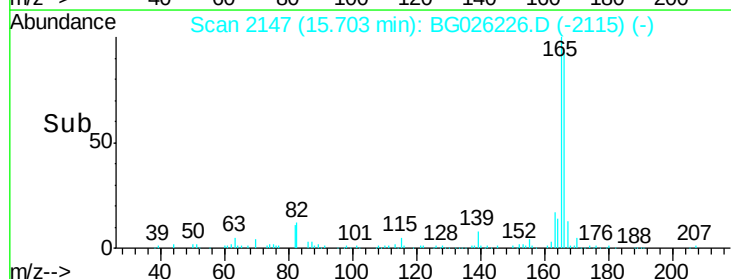
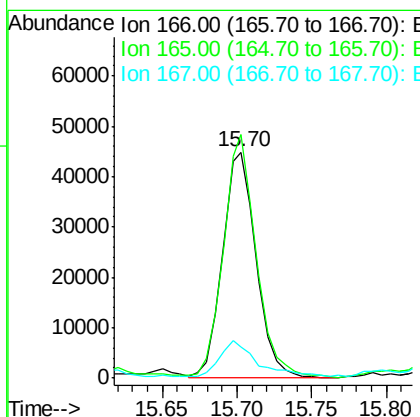
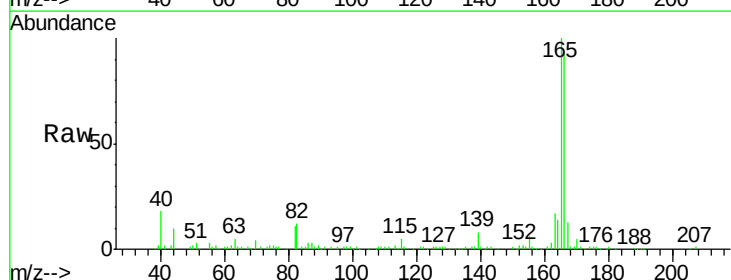
RT: 15.70 min Scan# 2147

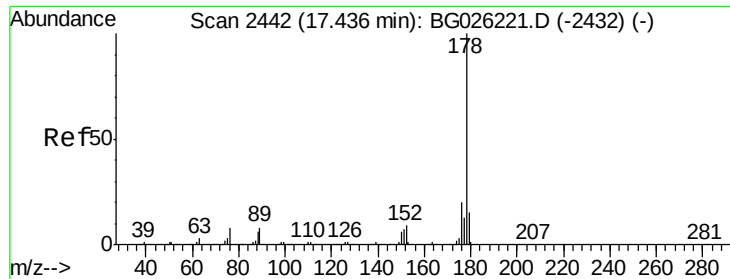
Delta R.T. -0.01 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Tgt Ion:	166	Resp:	70091
Ion Ratio	Lower	Upper	
166	100		
165	107.9	80.0	120.0
167	14.0	11.6	17.4





#14

Phenanthrene

Concen: 37.48 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Instrument :

BNA_G

ClientSampled :

CB2X1

Tgt Ion:178 Resp: 1110314

Ion Ratio Lower Upper

178 100

179 16.7 12.2 18.4

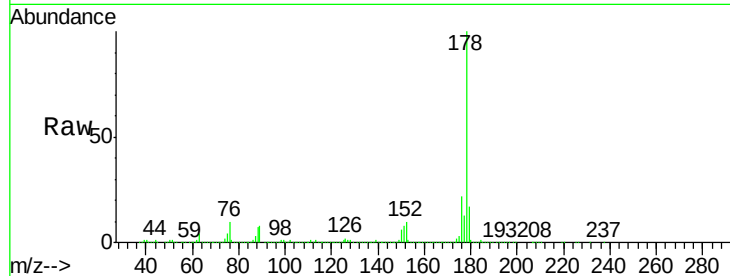
176 21.6 16.4 24.6

Manual Integrations

APPROVED

mohammad

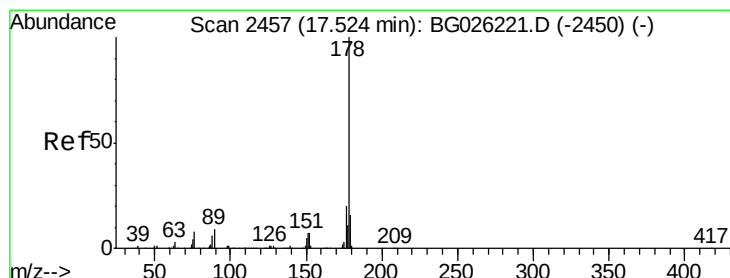
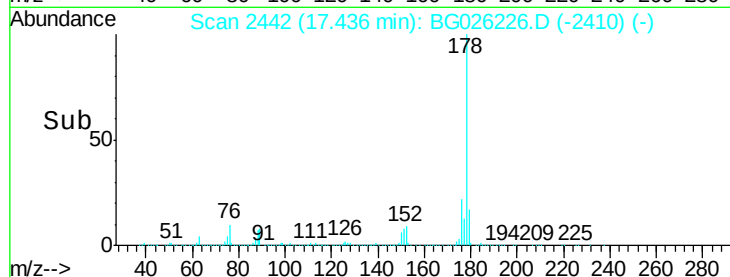
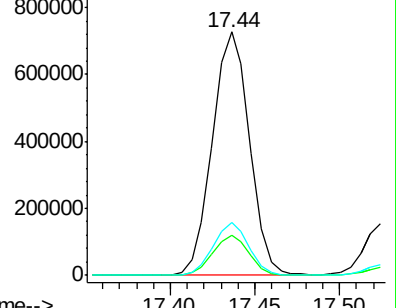
3/16/2017 10:53:40 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 7.67 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

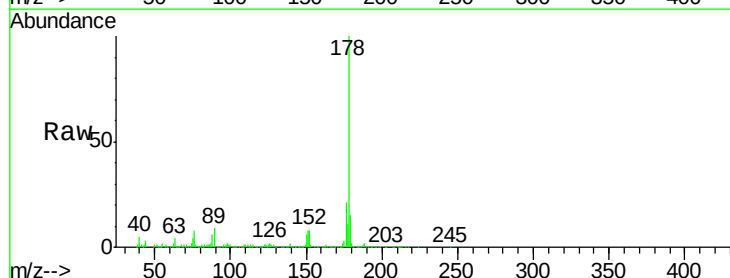
Tgt Ion:178 Resp: 229530

Ion Ratio Lower Upper

178 100

179 15.2 12.7 19.1

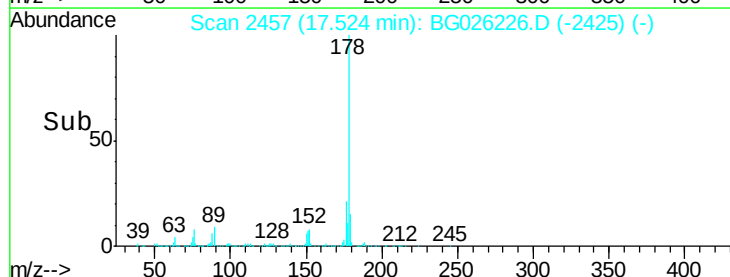
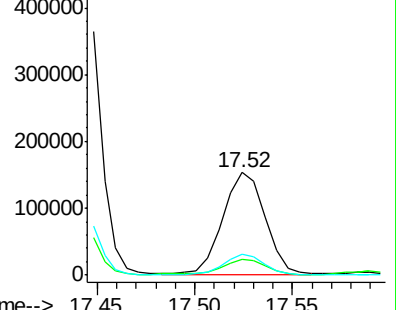
176 20.6 15.8 23.8

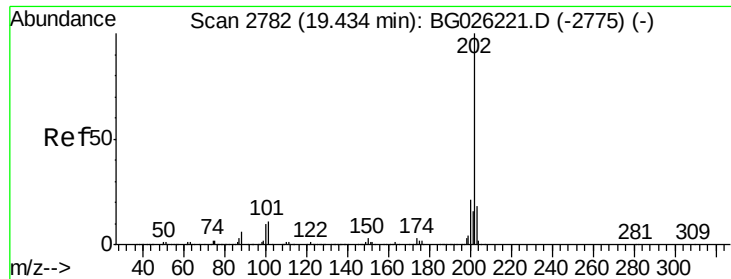


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





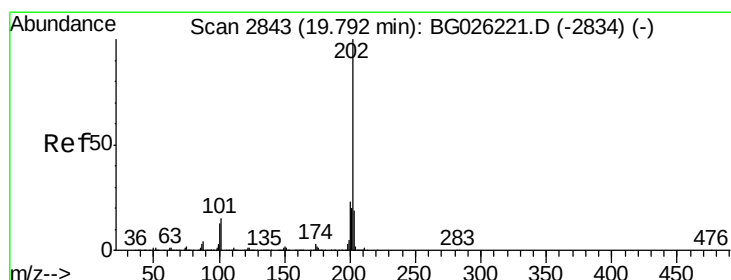
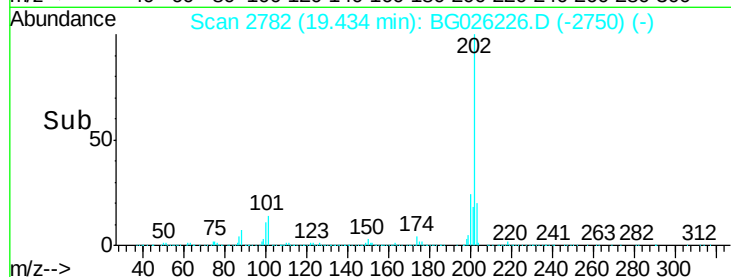
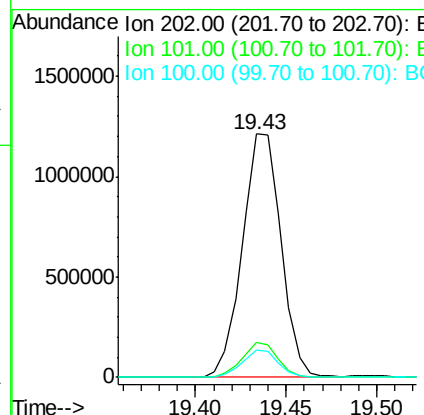
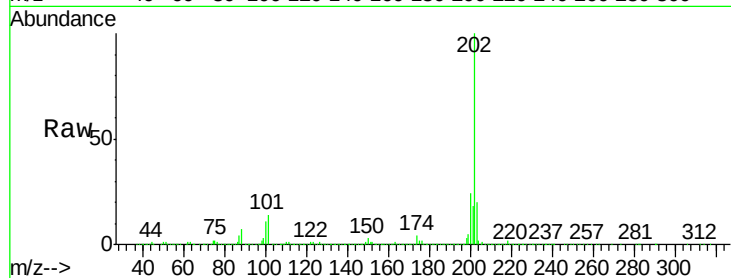
#17
Fluoranthene
 Concen: 58.32 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.01 min
 Lab File: BG026226.D
 Acq: 14 Mar 2017 00:23

Instrument :
 BNA_G
 ClientSampleId :
 CB2X1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	9.8	14.8
100	11.4	7.5	11.3

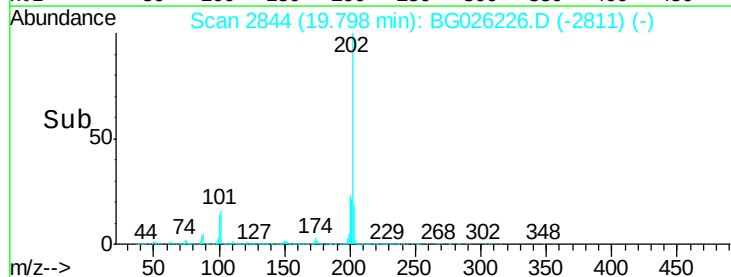
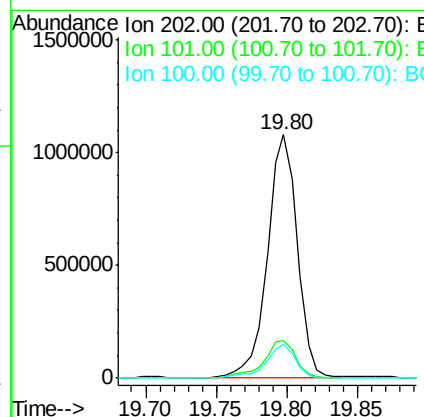
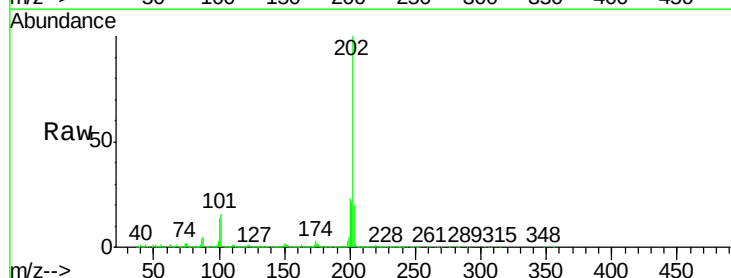
Manual Integrations
 APPROVED

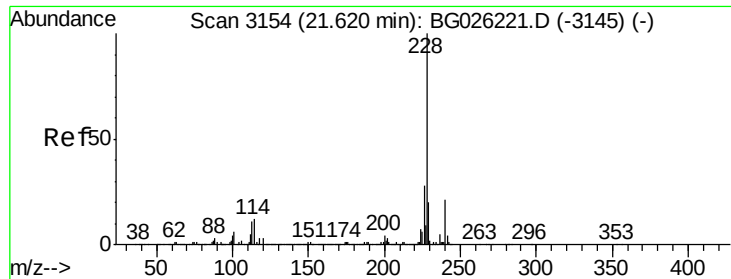
mohammad
 3/16/2017 10:53:40 AM



#20
Pyrene
 Concen: 43.83 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BG026226.D
 Acq: 14 Mar 2017 00:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	11.2	16.8
100	13.6	9.8	14.6





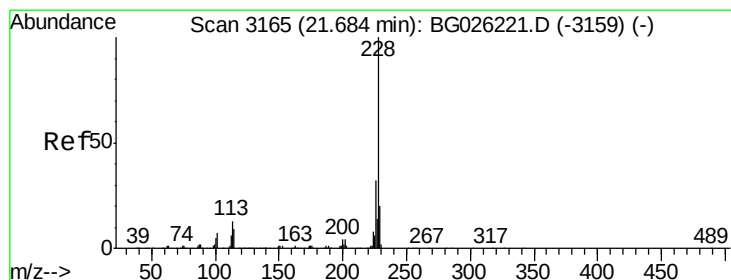
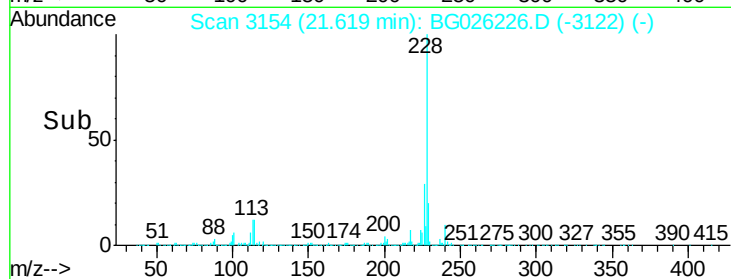
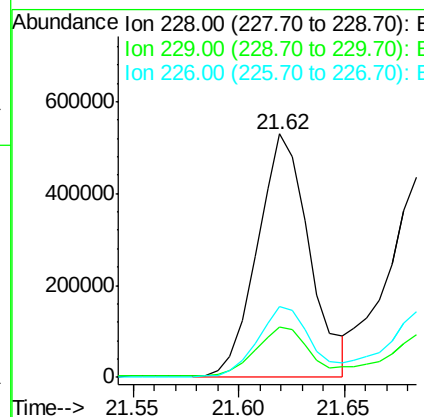
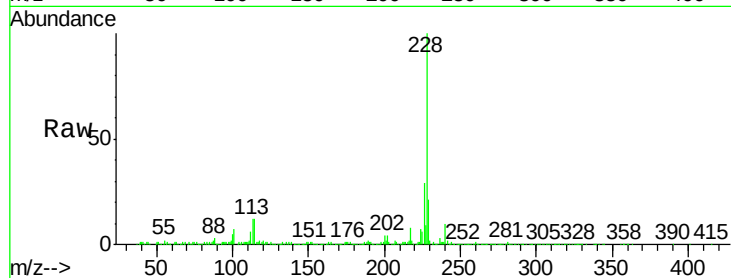
#21
Benzo(a)anthracene
Concen: 28.22 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG026226.D
Acq: 14 Mar 2017 00:23

Instrument :
BNA_G
ClientSampleId :
CB2X1

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	29.2	22.1	33.1

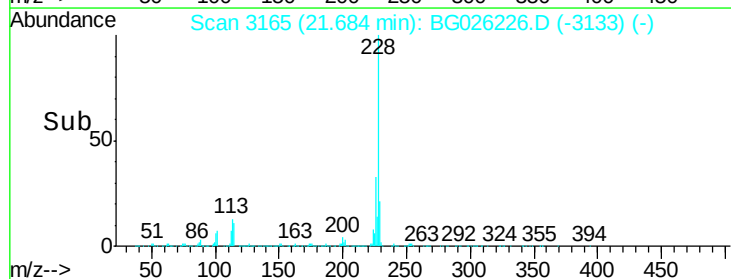
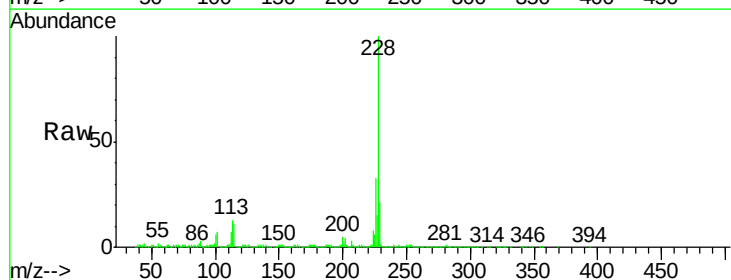
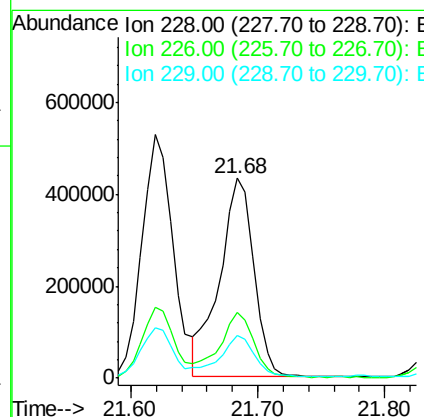
Manual Integrations
APPROVED

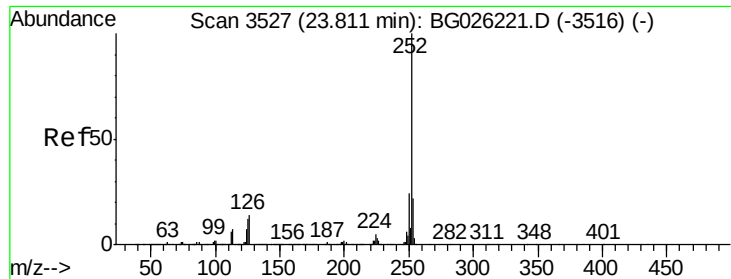
mohammad
3/16/2017 10:53:40 AM



#22
Chrysene
Concen: 27.36 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026226.D
Acq: 14 Mar 2017 00:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	21.1	16.6	25.0





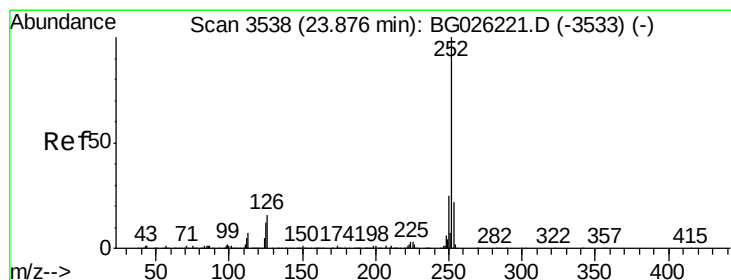
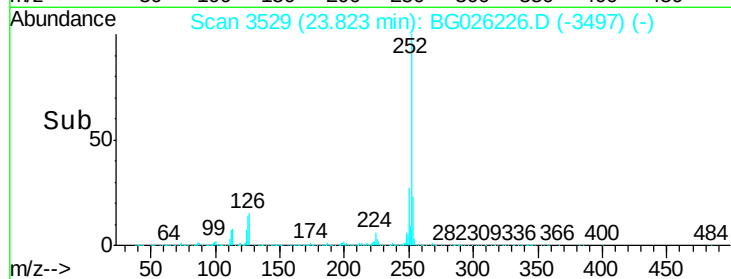
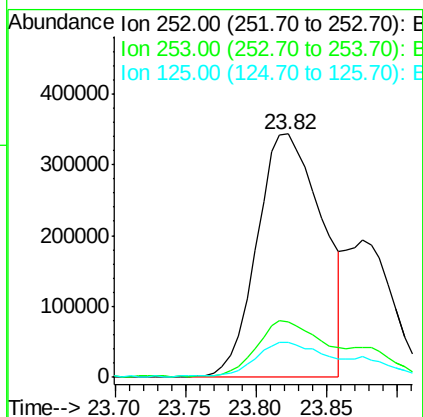
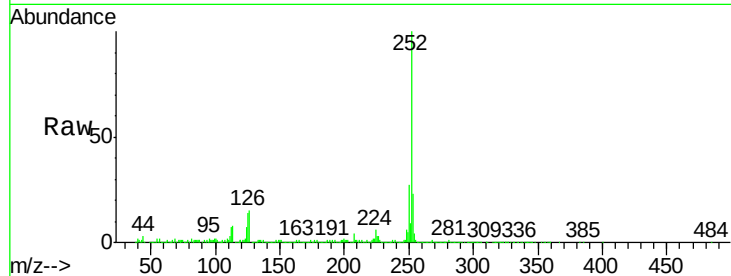
#24
Benzo(b)fluoranthene
Concen: 34.59 ng/ul
RT: 23.82 min Scan# 3529
Delta R.T. -0.01 min
Lab File: BG026226.D
Acq: 14 Mar 2017 00:23

Instrument :
BNA_G
ClientSampled :
CB2X1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.1	9.4	14.0#

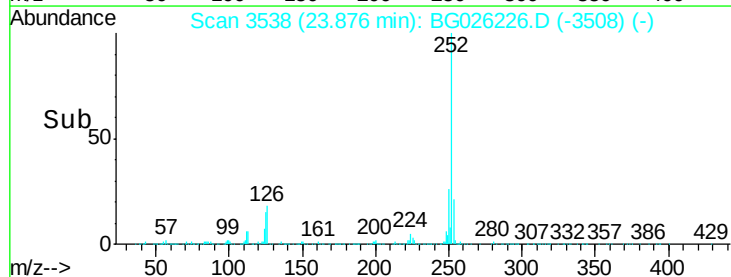
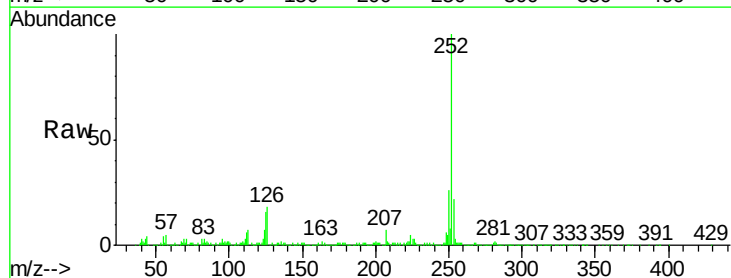
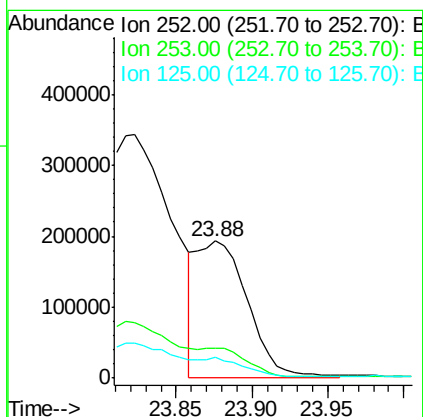
Manual Integrations
APPROVED

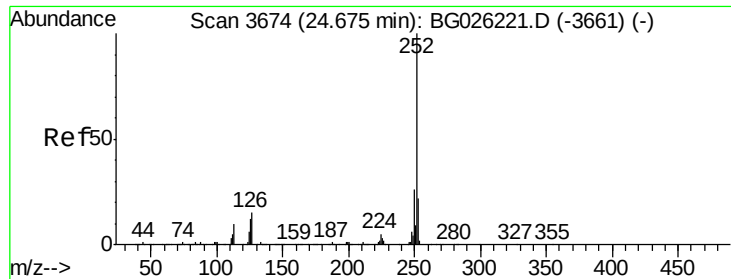
mohammad
3/16/2017 10:53:40 AM



#25
Benzo(k)fluoranthene
Concen: 14.97 ng/ul m
RT: 23.88 min Scan# 3538
Delta R.T. -0.02 min
Lab File: BG026226.D
Acq: 14 Mar 2017 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	15.5	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 25.55 ng/ul

RT: 24.68 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG026226.D

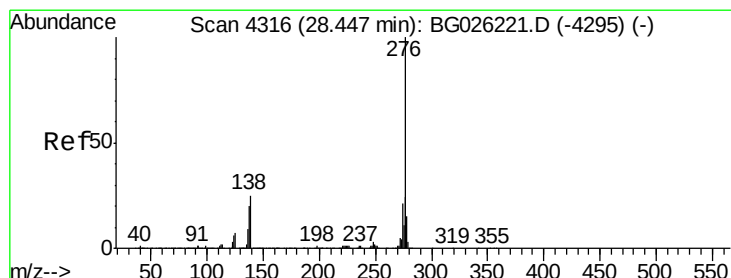
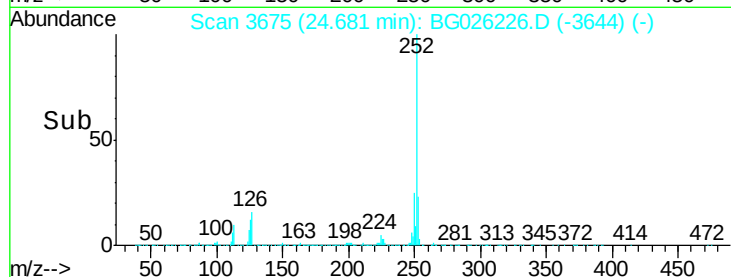
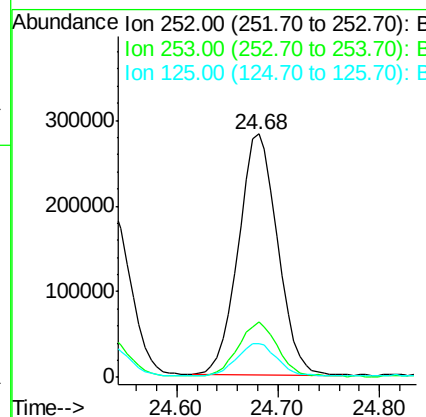
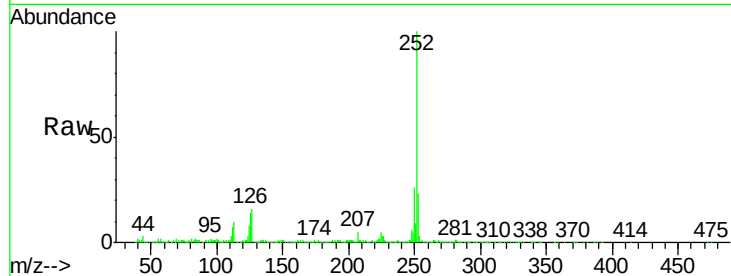
Acq: 14 Mar 2017 00:23

Instrument :
BNA_G
ClientSampleId :
CB2X1

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	17.1	25.7
125	13.9	9.4	14.2

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:40 AM



#28

Indeno(1,2,3-cd)pyrene

Concen: 15.55 ng/ul

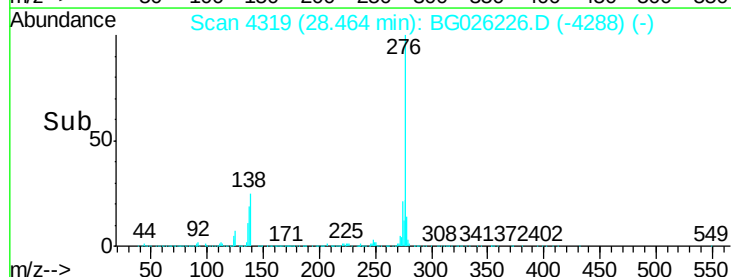
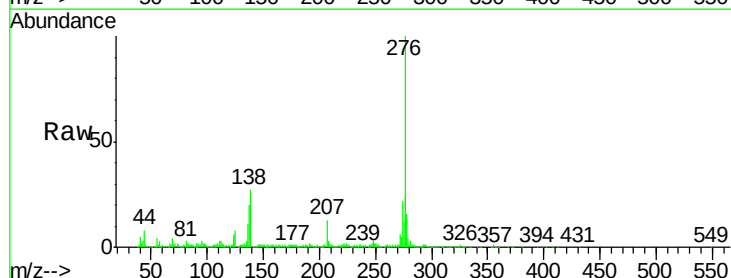
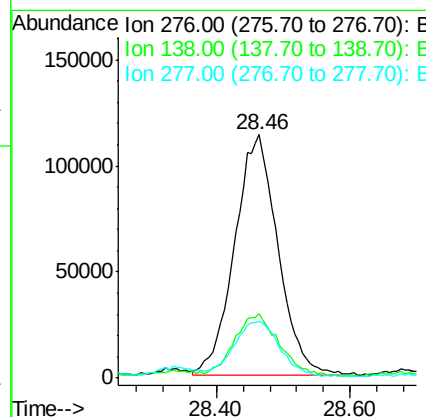
RT: 28.46 min Scan# 4319

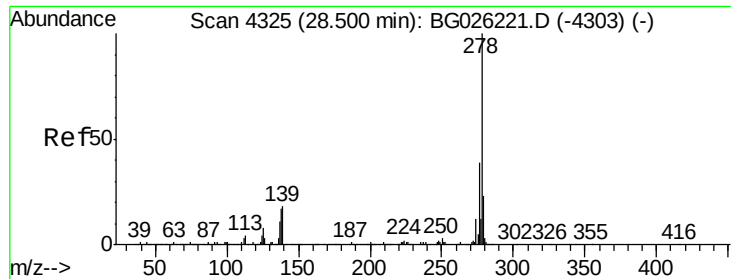
Delta R.T. -0.02 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.6	17.8	26.6
277	23.5	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 5.50 ng/ul m

RT: 28.50 min Scan# 4325

Delta R.T. -0.05 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Instrument :

BNA_G

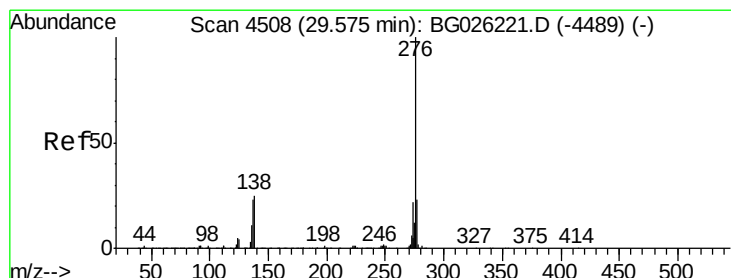
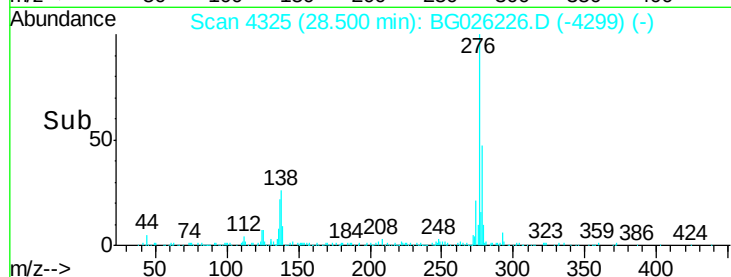
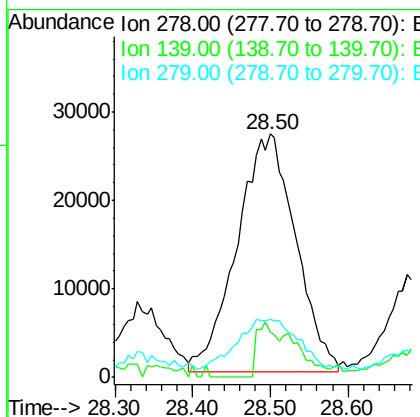
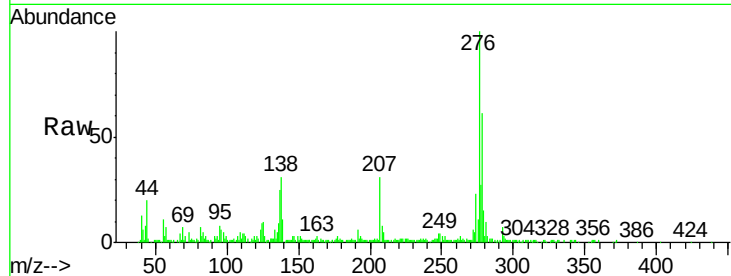
ClientSampleId :

CB2X1

Tgt Ion:	278	Resp:	142038
Ion Ratio	Lower	Upper	
278	100		
139	18.5	14.0	21.0
279	23.7	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/16/2017 10:53:40 AM



#30

Benzo(g,h,i)perylene

Concen: 17.09 ng/ul

RT: 29.59 min Scan# 4511

Delta R.T. -0.02 min

Lab File: BG026226.D

Acq: 14 Mar 2017 00:23

Tgt Ion:	276	Resp:	476550
Ion Ratio	Lower	Upper	
276	100		
138	30.6	19.0	28.4#
277	22.3	19.7	29.5

