

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
 Data File : BG027138.D
 Acq On : 24 May 2017 21:29
 Operator : SJ/MA
 Sample : I3277-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DACA1

Manual Integrations
 APPROVED

mohammad
 5/26/2017 11:55:02 AM

Quant Time: May 25 05:13:03 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 04:52:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	177659	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	879451	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	466642	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	842285	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	735960	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	680828	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.31	160	785756	16.42	ng/ul	0.00
10) Fluorene-d10	15.60	176	501182	15.70	ng/ul	0.00
14) Anthracene-d10	17.45	188	695178	16.93	ng/ul	0.00
18) Pyrene-d10	19.73	212	689614	17.95	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	582792	17.23	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.86	128	61887	1.36	ng/ul	Qvalue 97
9) Acenaphthene	14.68	153	36241	1.10	ng/ul	96
11) Fluorene	15.66	166	40814	1.16	ng/ul	97
13) Phenanthrene	17.40	178	708966	15.06	ng/ul	99
15) Anthracene	17.49	178	137201	2.84	ng/ul	98
16) Fluoranthene	19.40	202	1196954	24.87	ng/ul#	91
19) Pyrene	19.76	202	1010357	21.00	ng/ul#	87
20) Benzo(a)anthracene	21.58	228	513143	11.57	ng/ul	96
21) Chrysene	21.65	228	517961	12.72	ng/ul	97
23) Benzo(b)fluoranthene	23.77	252	730641	18.06	ng/ul#	94
24) Benzo(k)fluoranthene	23.83	252	260049m	6.25	ng/ul	
26) Benzo(a)pyrene	24.63	252	429564	10.85	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	28.39	276	240753	6.61	ng/ul#	81
28) Dibenzo(a,h)anthracene	28.42	278	65282m	2.08	ng/ul	
29) Benzo(g,h,i)perylene	29.53	276	196497m	6.79	ng/ul	

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

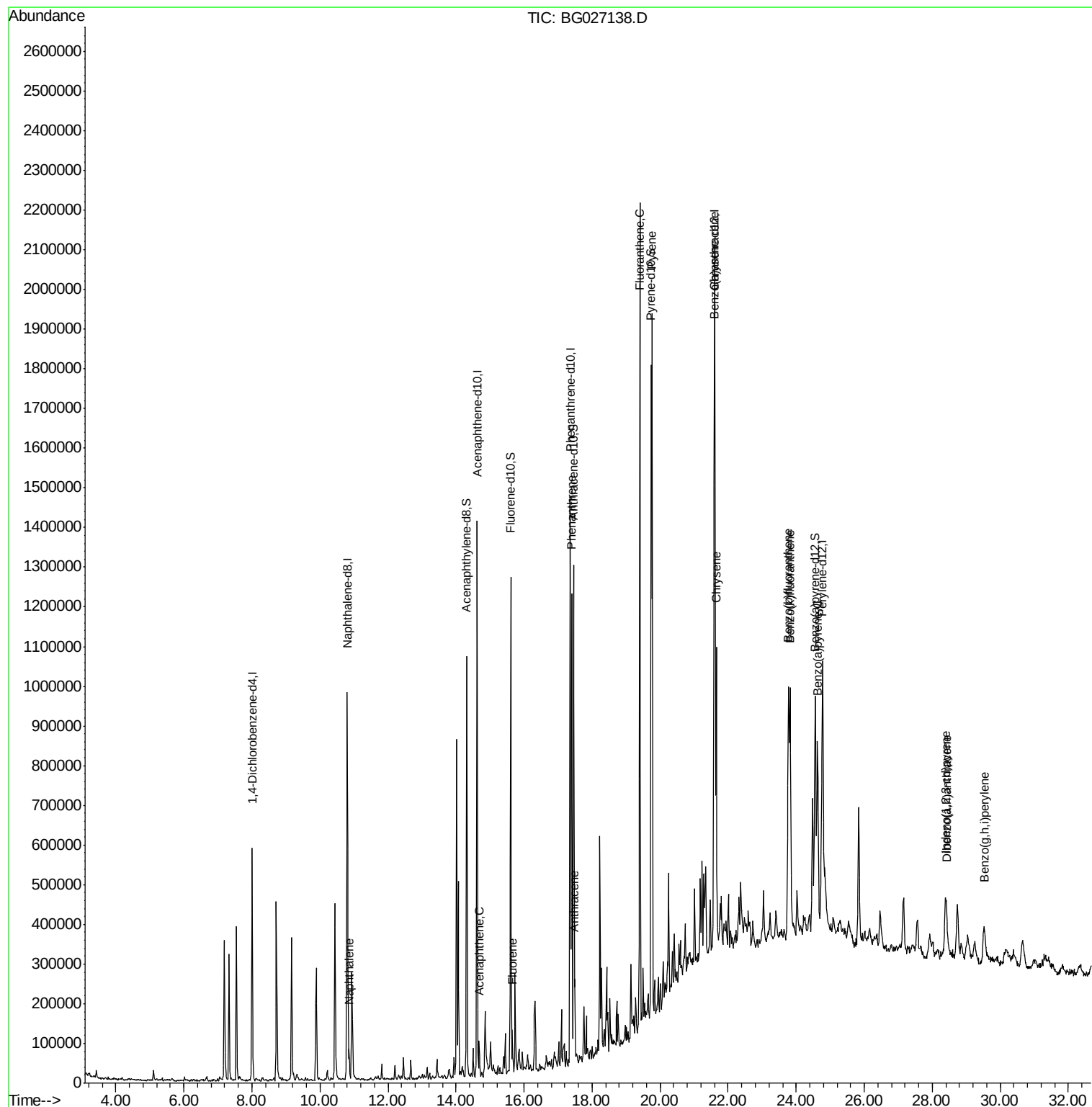
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
Data File : BG027138.D
Acq On : 24 May 2017 21:29
Operator : SJ/MA
Sample : I3277-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

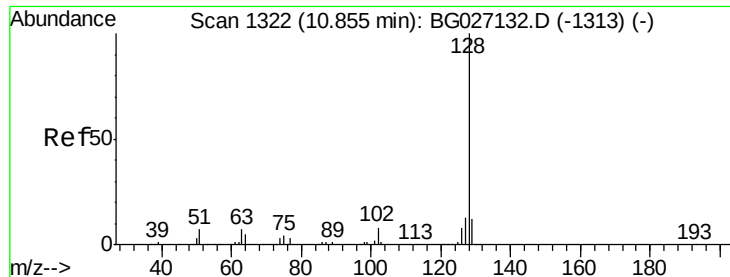
Instrument :
BNA_G
ClientSampleId :
DACA1

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 AM

Quant Time: May 25 05:13:03 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 25 04:52:31 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.36 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Instrument :

BNA_G

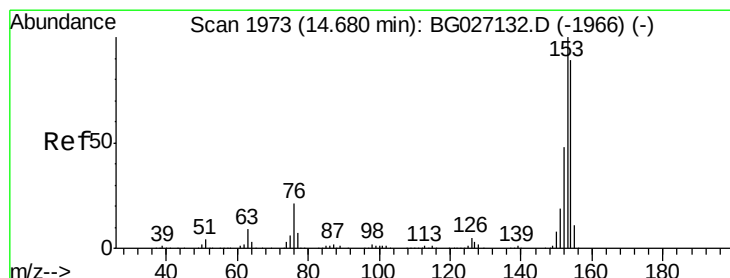
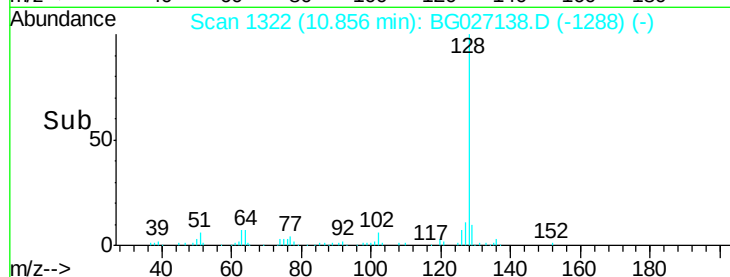
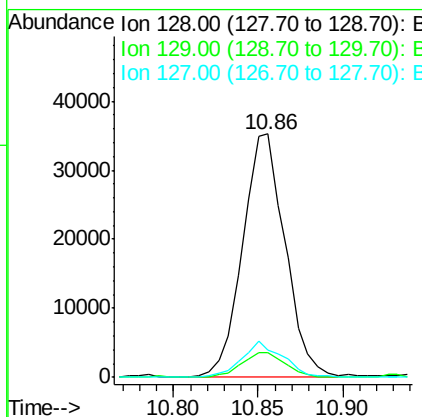
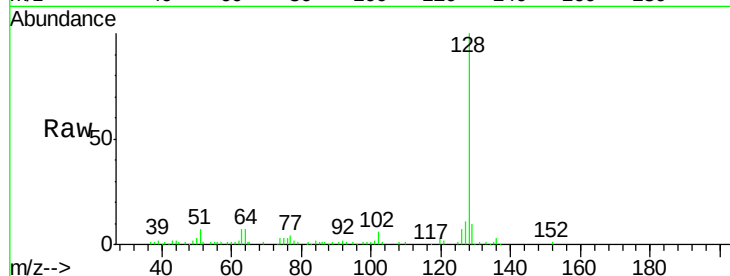
ClientSampleId :

DACA1

Tgt Ion:	128	Resp:	61887
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.7	13.1
127	11.4	10.6	16.0

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 AM



#9

Acenaphthene

Concen: 1.10 ng/ul

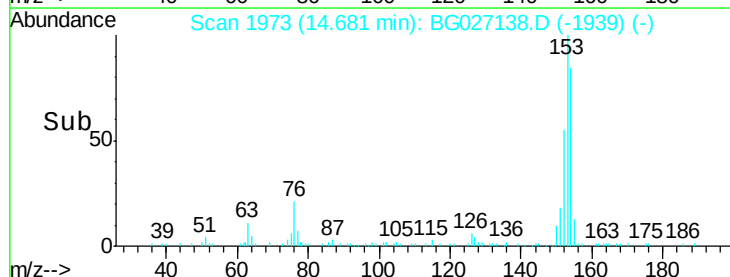
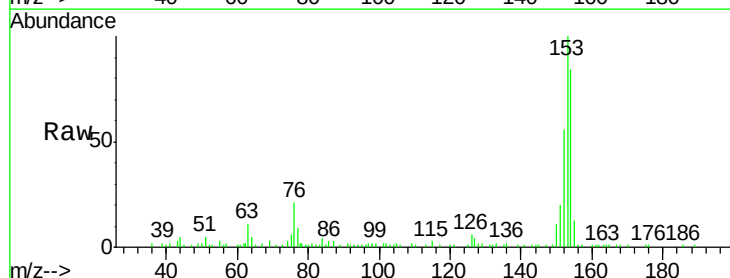
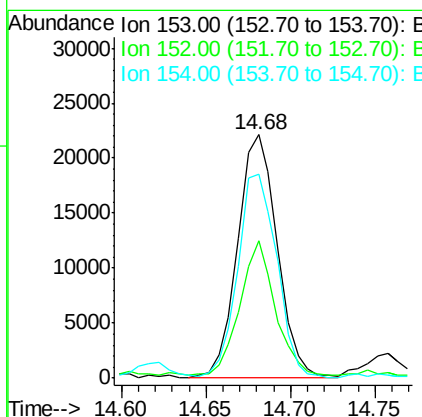
RT: 14.68 min Scan# 1973

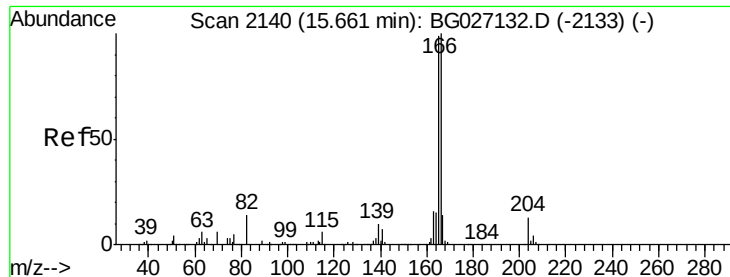
Delta R.T. 0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Tgt Ion:	153	Resp:	36241
Ion Ratio	Lower	Upper	
153	100		
152	56.3	39.0	58.6
154	83.9	66.8	100.2





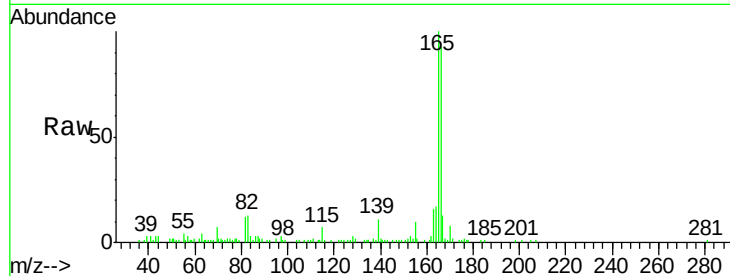
#11
 Fluorene
 Concen: 1.16 ng/ul
 RT: 15.66 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BG027138.D
 Acq: 24 May 2017 21:29

Instrument :
 BNA_G
 ClientSampleId :
 DACA1

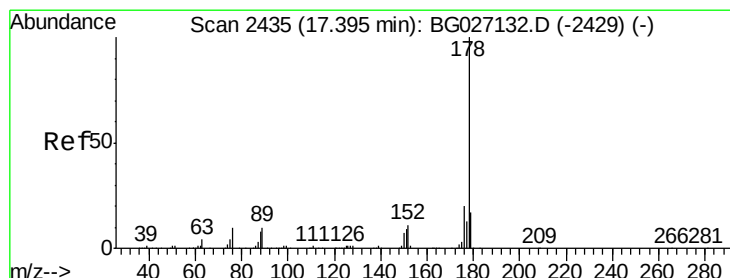
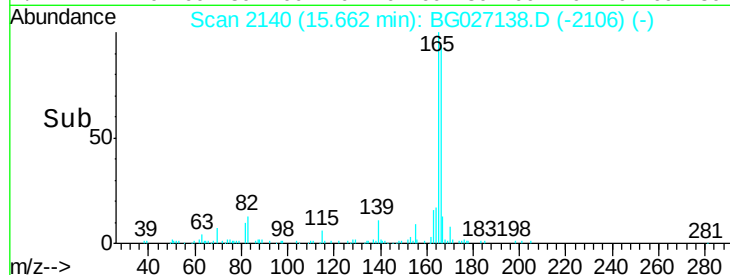
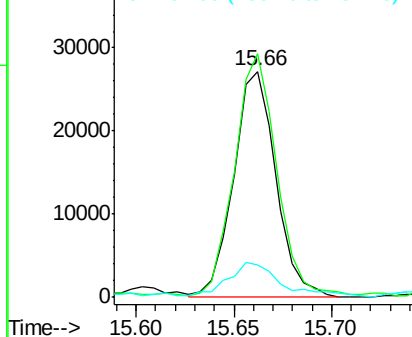
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	40814		
165	107.8	83.8	125.8	
167	14.5	11.5	17.3	

Manual Integrations
 APPROVED

mohammad
 5/26/2017 11:55:02 AM

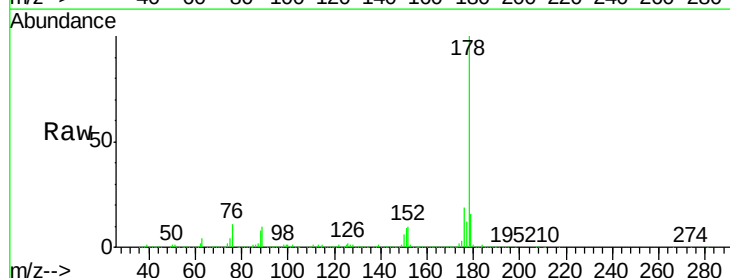


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

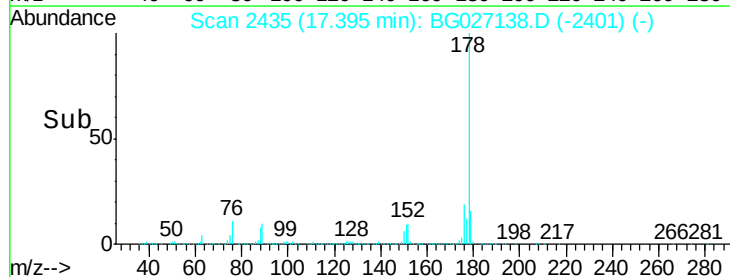
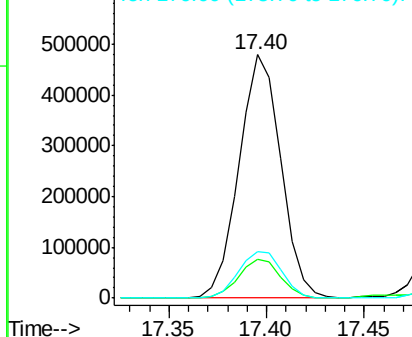


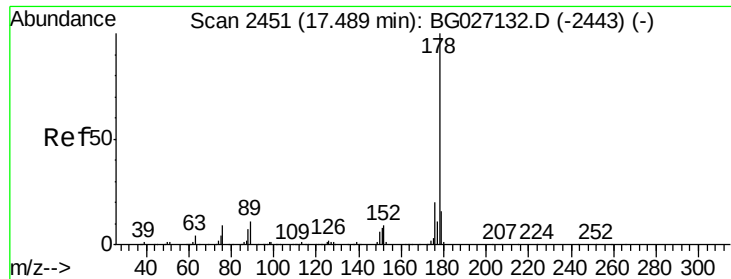
#13
 Phenanthrene
 Concen: 15.06 ng/ul
 RT: 17.40 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: BG027138.D
 Acq: 24 May 2017 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	708966		
179	16.0	12.3	18.5	
176	19.2	15.1	22.7	



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





#15

Anthracene

Concen: 2.84 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Instrument :

BNA_G

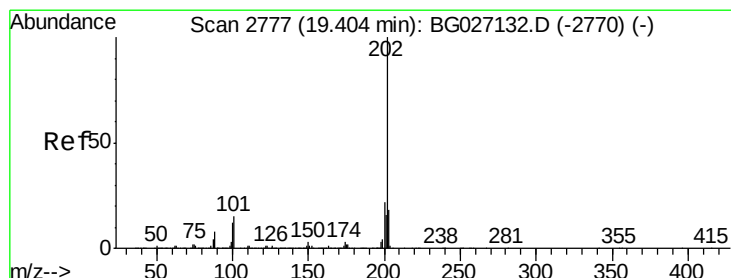
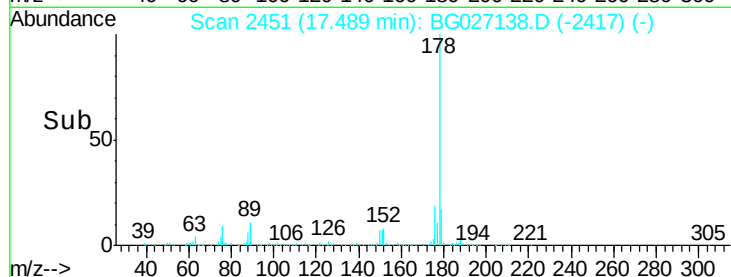
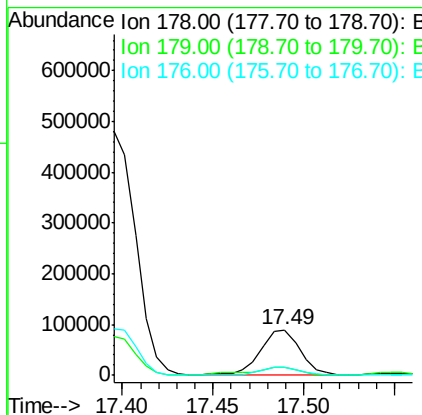
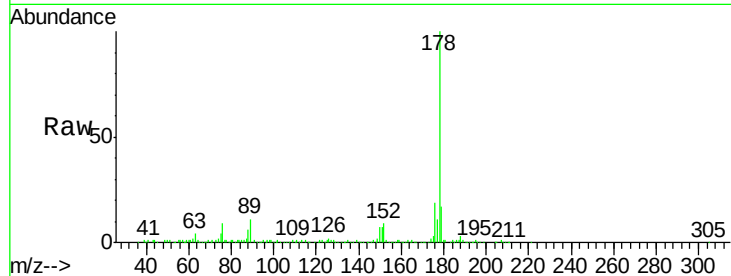
ClientSampleId :

DACA1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.8
176	18.9	15.2	22.8

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 AM



#16

Fluoranthene

Concen: 24.87 ng/ul

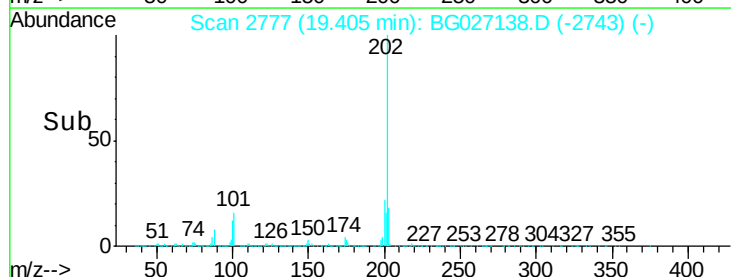
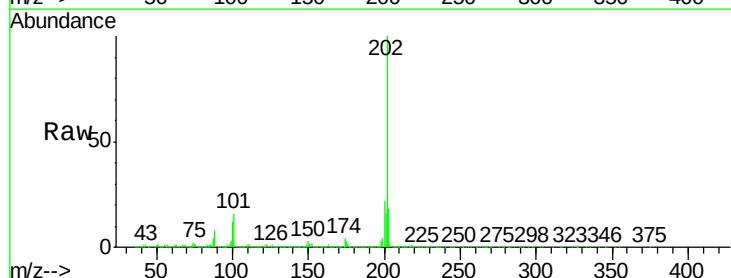
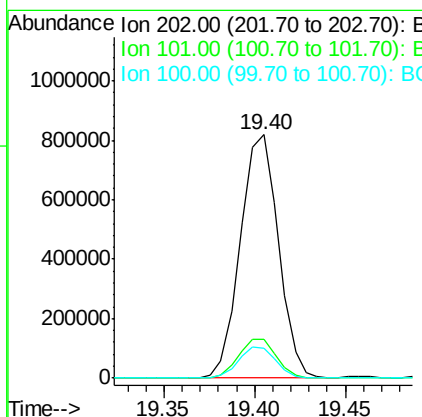
RT: 19.40 min Scan# 2777

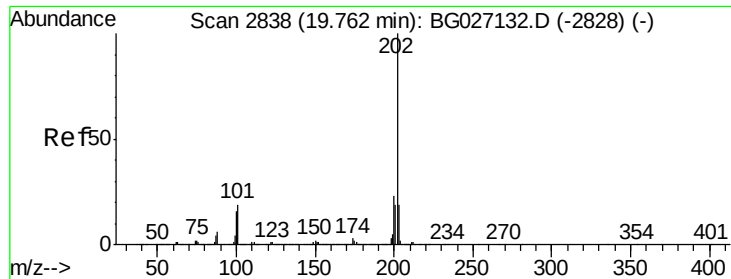
Delta R.T. 0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	9.9	14.9#
100	12.5	7.4	11.0#





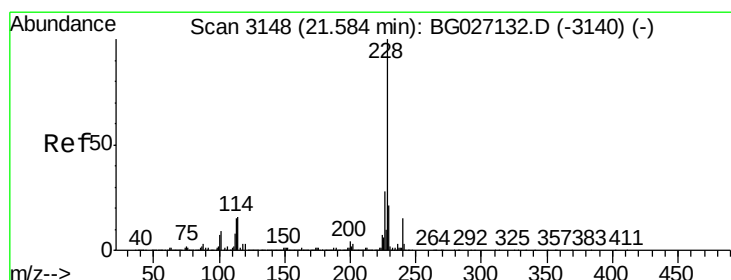
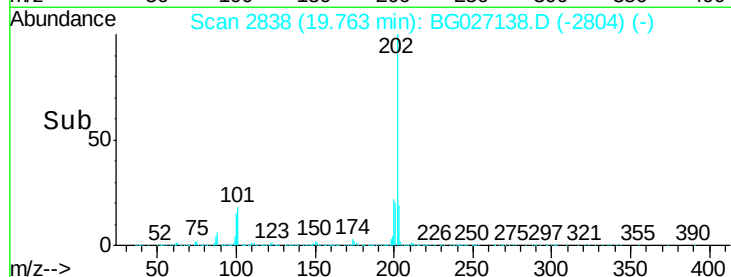
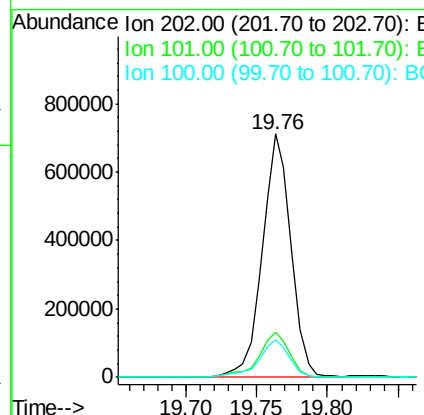
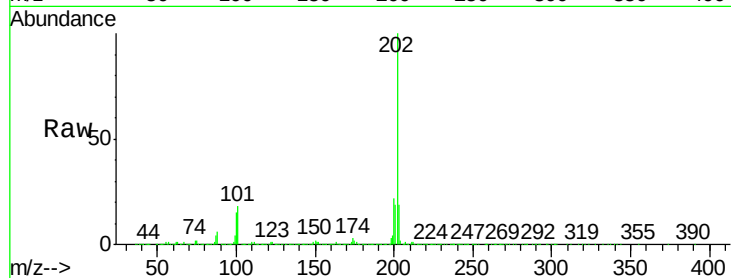
#19
Pyrene
Concen: 21.00 ng/ul
RT: 19.76 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG027138.D
Acq: 24 May 2017 21:29

Instrument :
BNA_G
ClientSampleId :
DACA1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	11.0	16.4#
100	15.3	8.1	12.1#

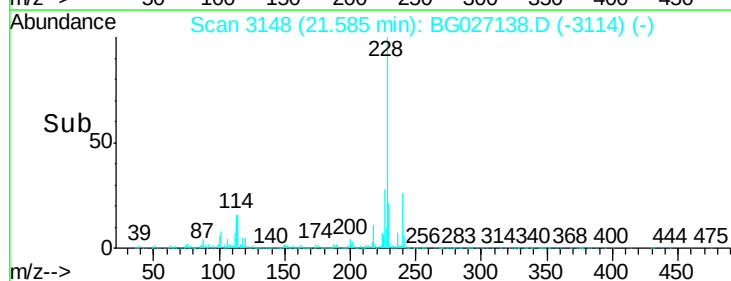
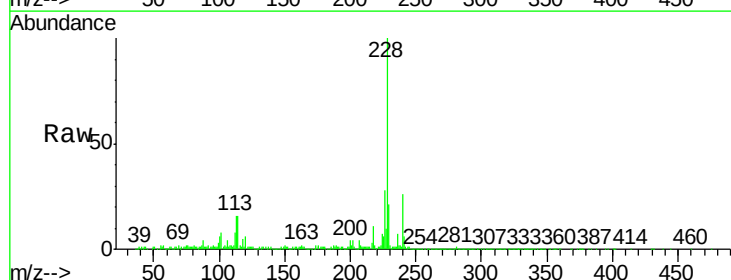
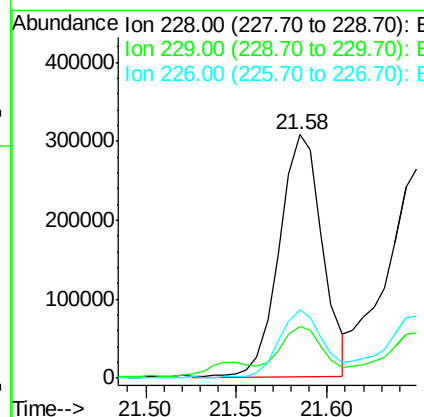
Manual Integrations
APPROVED

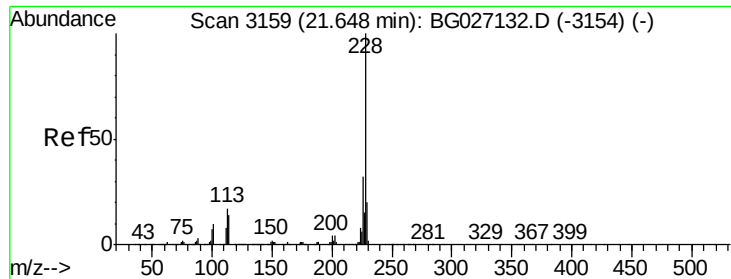
mohammad
5/26/2017 11:55:02 AM



#20
Benzo(a)anthracene
Concen: 11.57 ng/ul
RT: 21.58 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG027138.D
Acq: 24 May 2017 21:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	28.3	21.1	31.7





#21

Chrysene

Concen: 12.72 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Instrument :

BNA_G

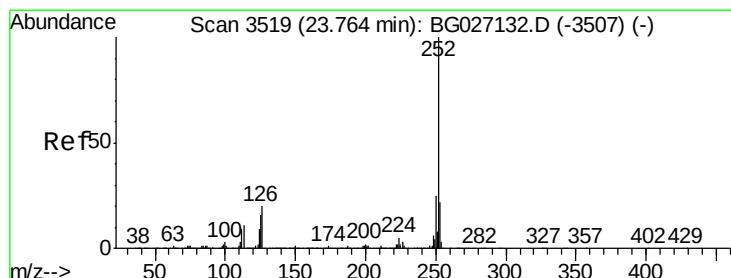
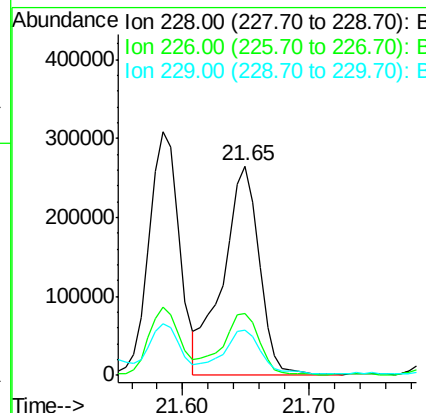
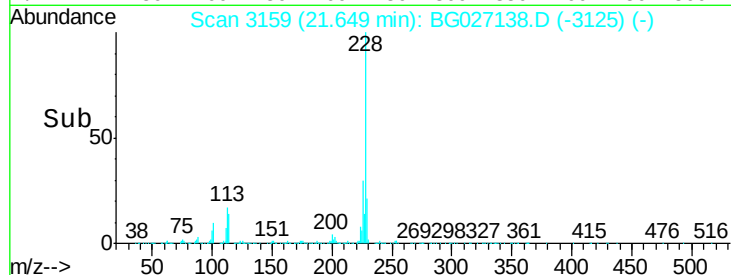
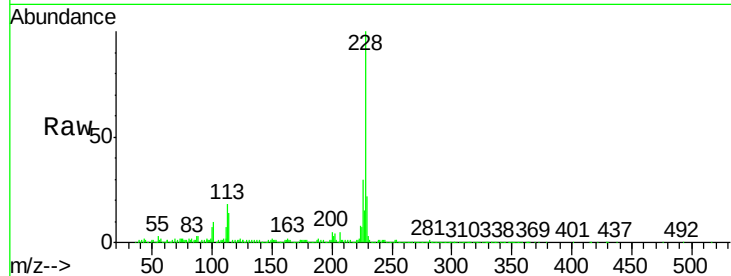
ClientSampleId :

DACA1

Tgt Ion:	228	Resp:	517961
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.5	36.7
229	21.7	15.8	23.8

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 AM



#23

Benzo(b)fluoranthene

Concen: 18.06 ng/ul

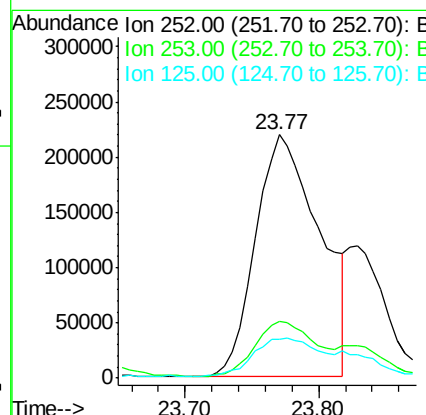
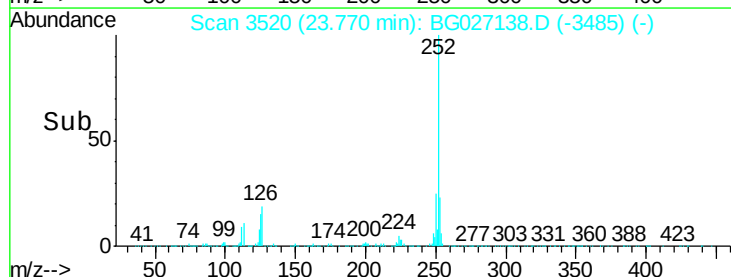
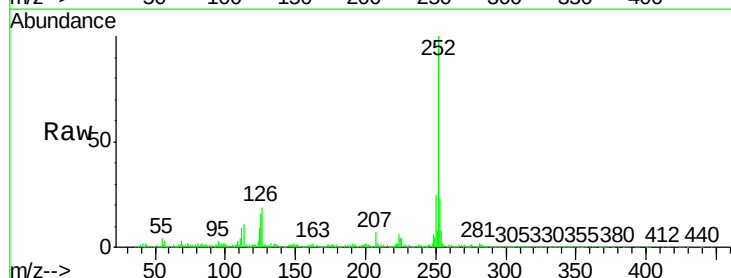
RT: 23.77 min Scan# 3520

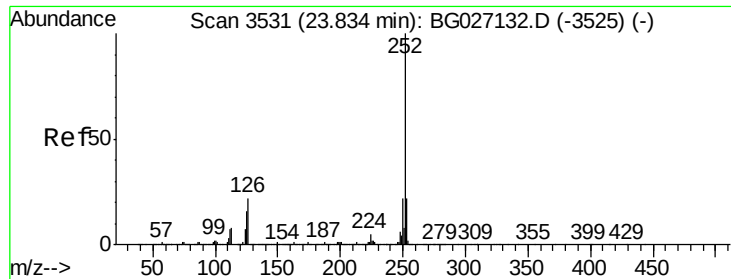
Delta R.T. 0.01 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Tgt Ion:	252	Resp:	730641
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	16.1	8.0	12.0





#24

Benzo(k)fluoranthene

Concen: 6.25 ng/ul m

RT: 23.83 min Scan# 3530

Delta R.T. -0.00 min

Lab File: BG027138.D

Acq: 24 May 2017 21:29

Instrument :

BNA_G

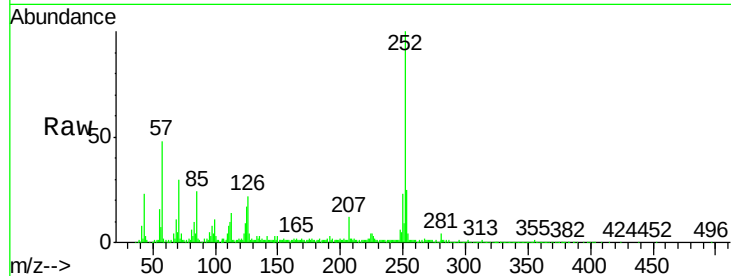
ClientSampleId :

DACA1

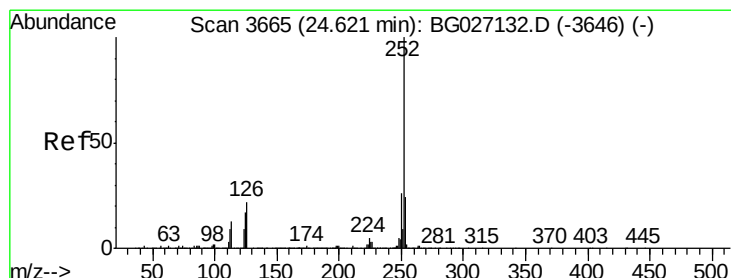
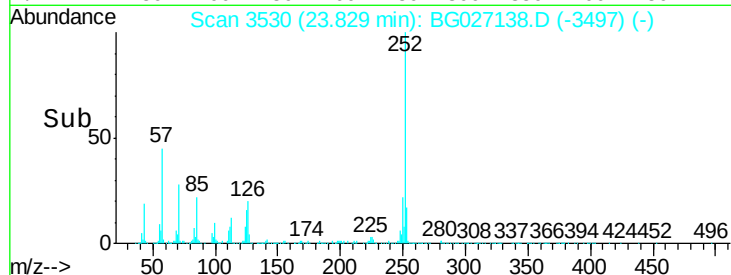
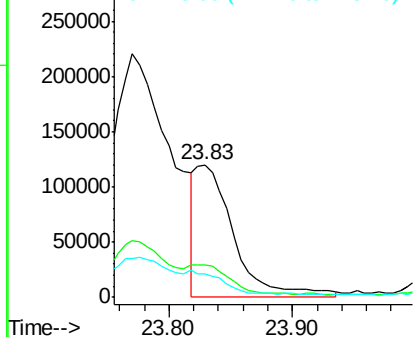
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	260049		
253	24.7	18.0	27.0	
125	17.4	8.1	12.1#	

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 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



#26

Benzo(a)pyrene

Concen: 10.85 ng/ul

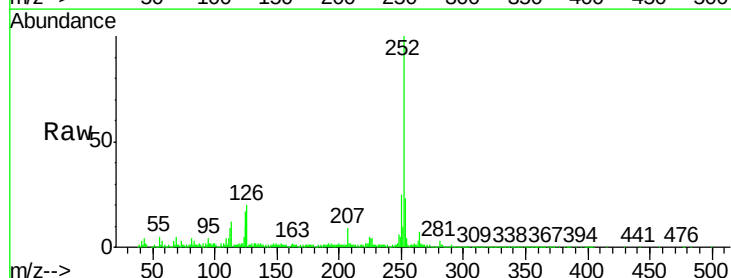
RT: 24.63 min Scan# 3666

Delta R.T. 0.01 min

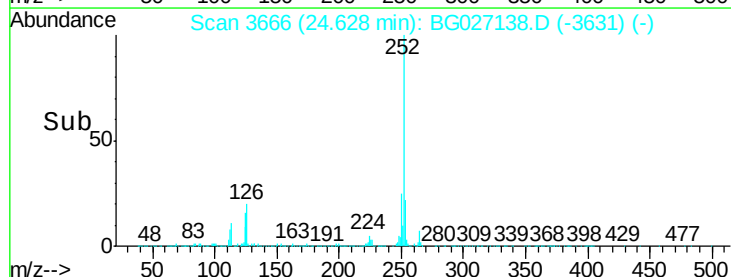
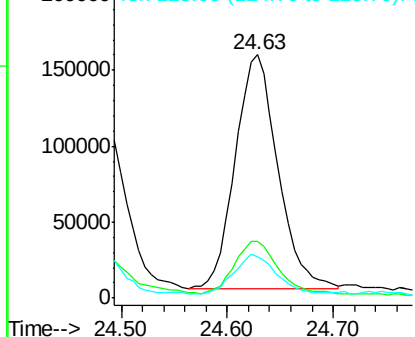
Lab File: BG027138.D

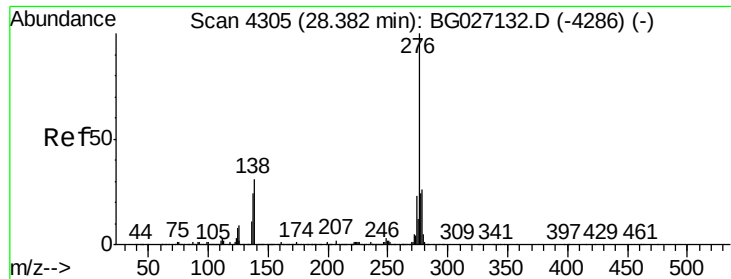
Acq: 24 May 2017 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	429564		
253	23.2	17.2	25.8	
125	17.2	8.2	12.4#	



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





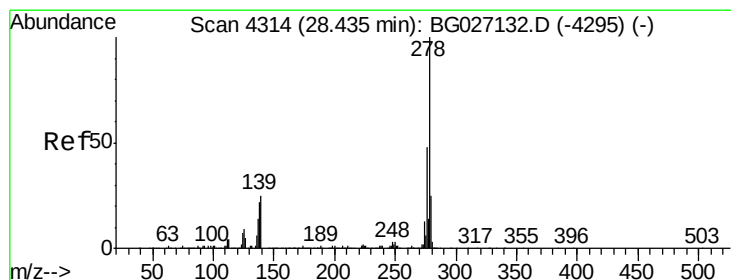
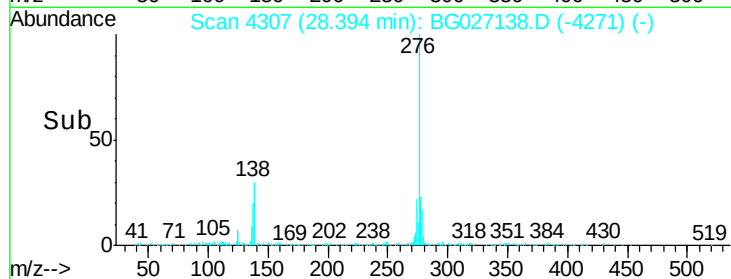
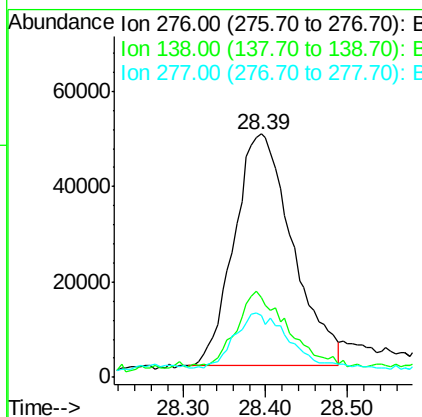
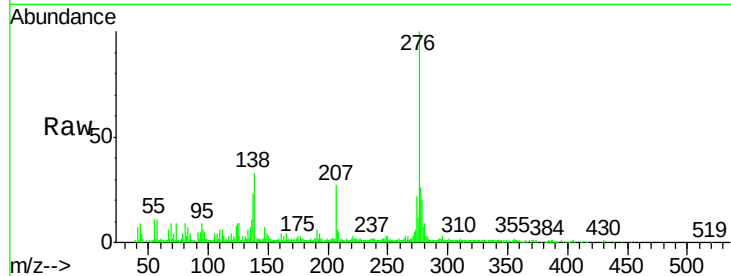
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.61 ng/ul
 RT: 28.39 min Scan# 4307
 Delta R.T. 0.01 min
 Lab File: BG027138.D
 Acq: 24 May 2017 21:29

Instrument :
 BNA_G
 ClientSampleId :
 DACA1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	14.4	21.6#
277	25.6	18.0	27.0

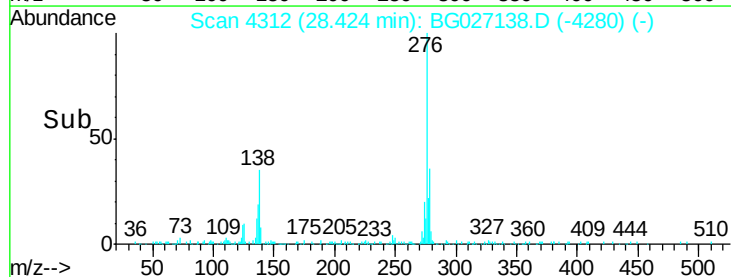
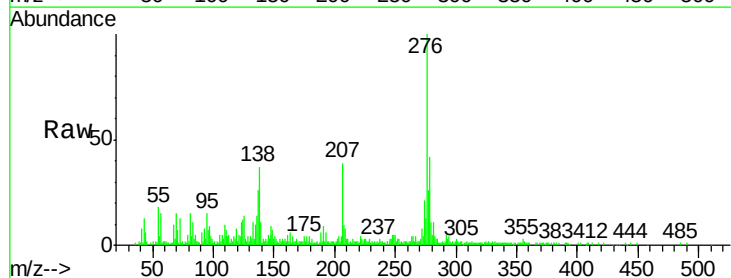
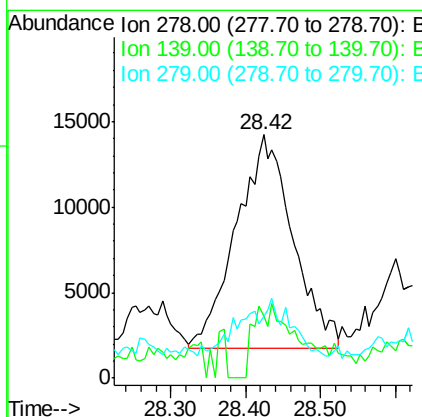
Manual Integrations
 APPROVED

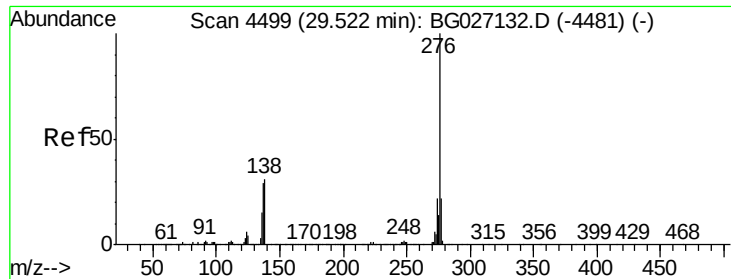
mohammad
 5/26/2017 11:55:02 AM



#28
 Dibenzo(a,h)anthracene
 Concen: 2.08 ng/ul m
 RT: 28.42 min Scan# 4312
 Delta R.T. -0.01 min
 Lab File: BG027138.D
 Acq: 24 May 2017 21:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	12.2	18.4#
279	25.6	19.2	28.8





#29

Benzo(g,h,i)perylene

Concen: 6.79 ng/ul m

RT: 29.53 min Scan# 4501

Delta R.T. 0.01 min

Lab File: BG027138.D

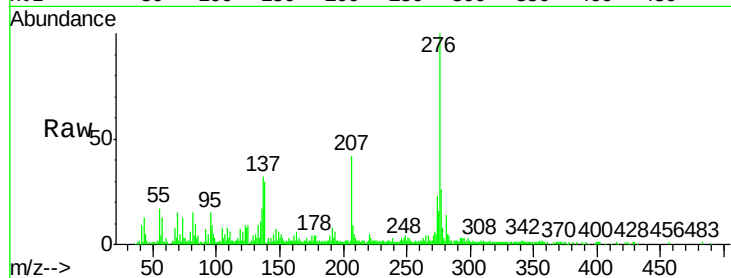
Acq: 24 May 2017 21:29

Instrument :

BNA_G

ClientSampleId :

DACA1



Tgt Ion: 276 Resp: 196497

Ion Ratio Lower Upper

276 100

138 30.5 15.3 22.9#

277 26.2 19.0 28.4

Manual Integrations
APPROVED

mohammad
5/26/2017 11:55:02 AM

