

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
 Data File : BG027163.D
 Acq On : 25 May 2017 13:50
 Operator : SJ/MA
 Sample : I3276-20DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC94DL

Manual Integrations
 APPROVED

mohammad
 5/26/2017 11:56:25 AM

Quant Time: May 25 15:23:21 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 06:05:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	160963	20.00	ng/ul	0.00
2) Naphthalene-d8	10.82	136	739037	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	362941	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.37	188	666954	20.00	ng/ul	0.00
17) Chrysene-d12	21.62	240	587415	20.00	ng/ul	0.01
22) Perylene-d12	24.81	264	454356	20.00	ng/ul	0.03

System Monitoring Compounds

7) Acenaphthylene-d8	14.32	160	138378	3.72	ng/ul	0.00
10) Fluorene-d10	15.62	176	114639	4.62	ng/ul	0.00
14) Anthracene-d10	17.46	188	164191m	5.05	ng/ul	0.00
18) Pyrene-d10	19.75	212	156656	5.11	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.59	264	109303	4.84	ng/ul	0.02

Target Compounds

						Qvalue
3) Naphthalene	10.86	128	142369	3.71	ng/ul	98
4) 2-Methylnaphthalene	12.47	142	33568	1.18	ng/ul	98
9) Acenaphthene	14.69	153	72470	2.83	ng/ul	97
11) Fluorene	15.67	166	84639	3.10	ng/ul	100
13) Phenanthrene	17.41	178	1079517	28.95	ng/ul	96
15) Anthracene	17.50	178	230783	6.02	ng/ul	98
16) Fluoranthene	19.42	202	1436107	37.68	ng/ul#	91
19) Pyrene	19.78	202	1173938	30.58	ng/ul#	85
20) Benzo(a)anthracene	21.60	228	582857	16.47	ng/ul	95
21) Chrysene	21.67	228	523554	16.11	ng/ul	97
23) Benzo(b)fluoranthene	23.80	252	650481	24.09	ng/ul#	90
24) Benzo(k)fluoranthene	23.85	252	256736m	9.24	ng/ul	
26) Benzo(a)pyrene	24.65	252	354602	13.42	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	28.45	276	155465m	6.40	ng/ul	
29) Benzo(g,h,i)perylene	29.59	276	95028m	4.92	ng/ul	

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

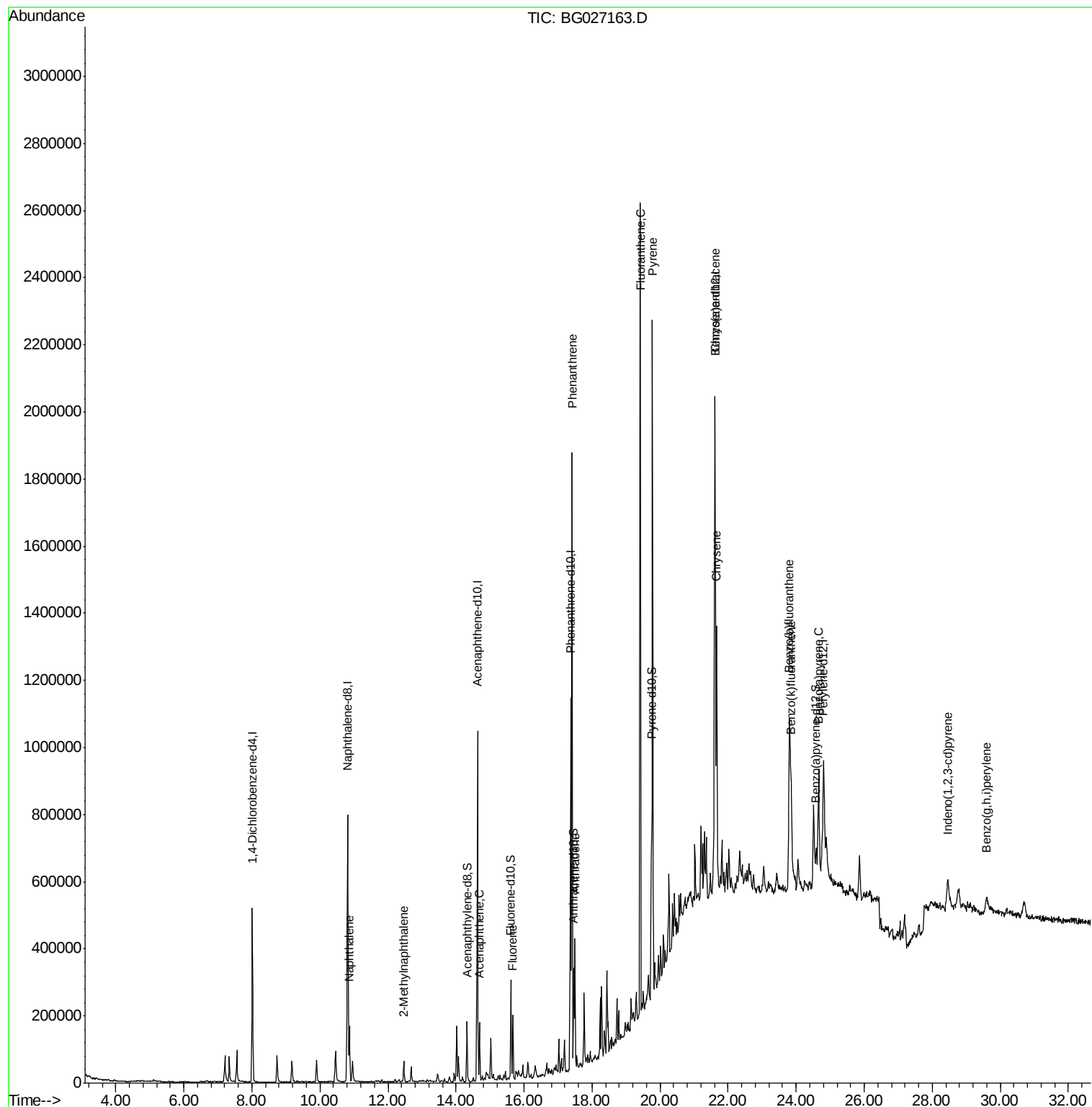
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
Data File : BG027163.D
Acq On : 25 May 2017 13:50
Operator : SJ/MA
Sample : I3276-20DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

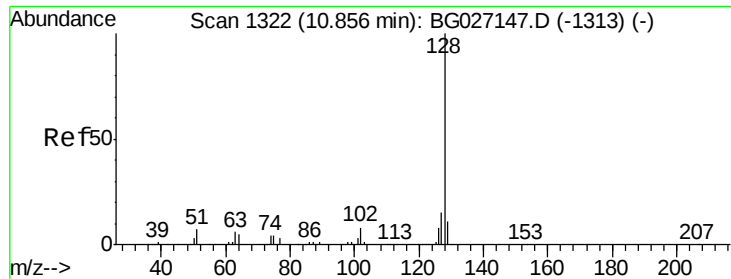
Instrument :
BNA_G
ClientSampleId :
DAC94DL

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:25 AM

Quant Time: May 25 15:23:21 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 25 06:05:48 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.71 ng/ul

RT: 10.86 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BG027163.D

Acq: 25 May 2017 13:50

Instrument :

BNA_G

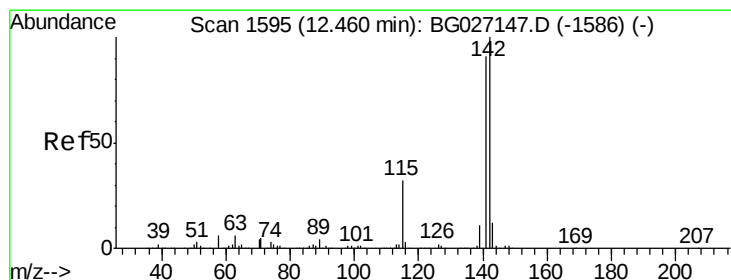
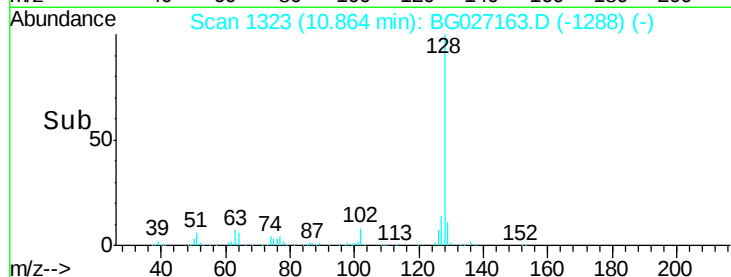
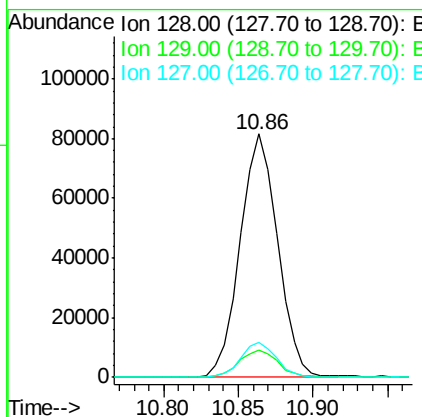
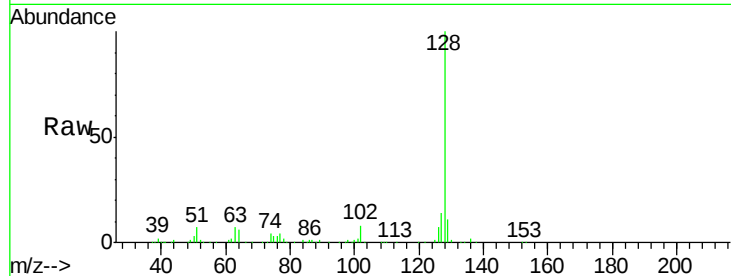
ClientSampleId :

DAC94DL

Tgt Ion:	128	Resp:	142369
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.7	13.1
127	14.1	10.6	16.0

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:25 AM



#4

2-Methylnaphthalene

Concen: 1.18 ng/ul

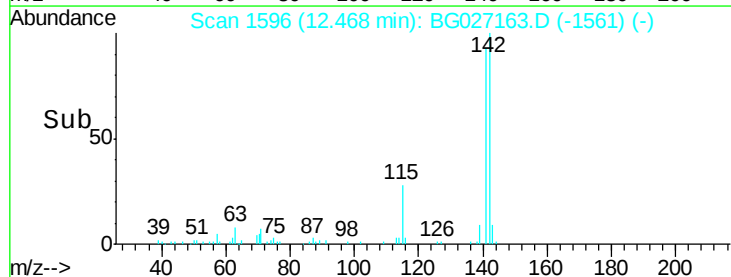
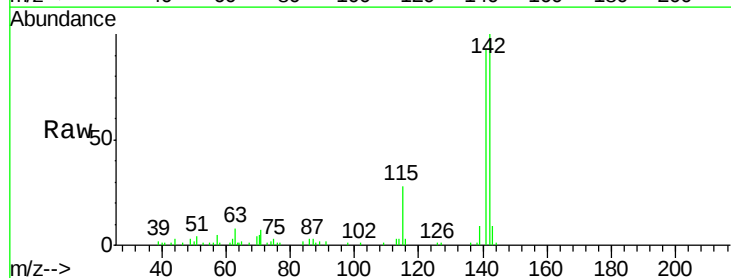
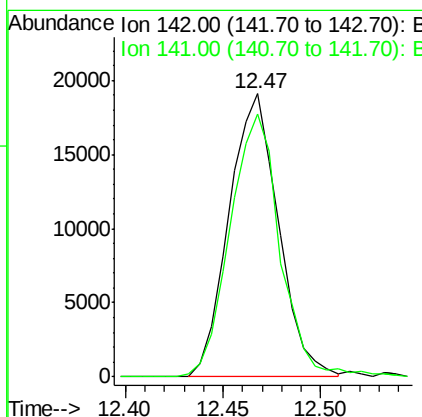
RT: 12.47 min Scan# 1596

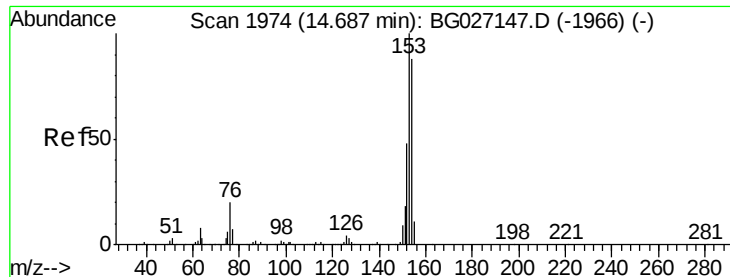
Delta R.T. 0.01 min

Lab File: BG027163.D

Acq: 25 May 2017 13:50

Tgt Ion:	142	Resp:	33568
Ion Ratio	Lower	Upper	
142	100		
141	93.0	72.7	109.1





#9

Acenaphthene

Concen: 2.83 ng/ul

RT: 14.69 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BG027163.D

Acq: 25 May 2017 13:50

Instrument :

BNA_G

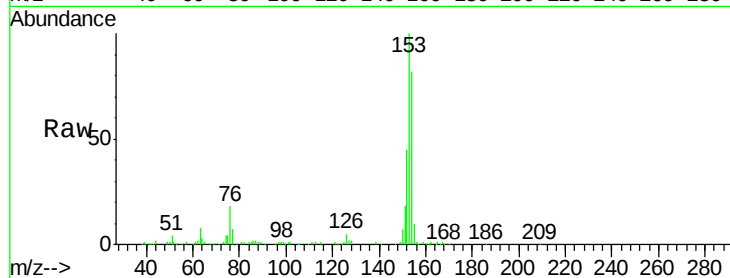
ClientSampleId :

DAC94DL

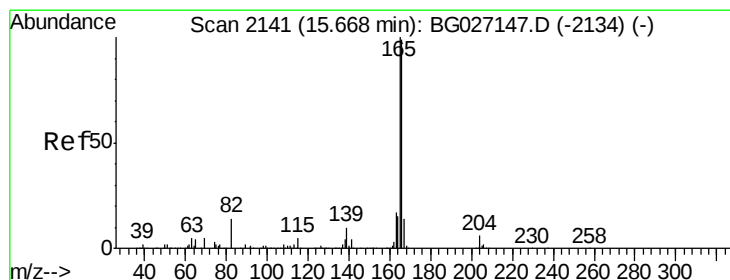
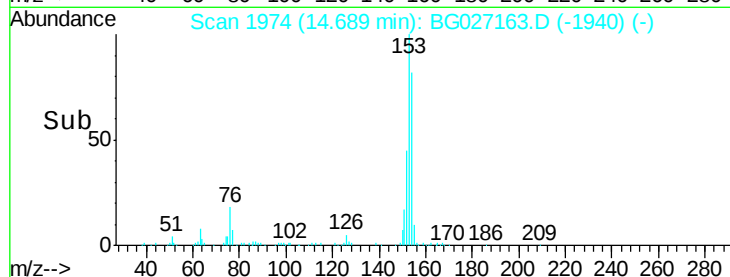
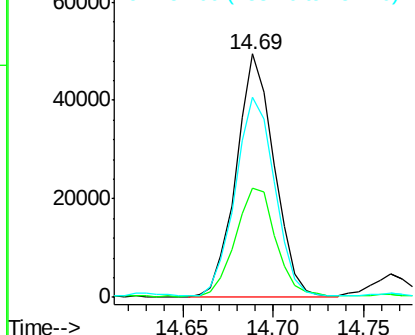
Tgt Ion:	153	Resp:	72470
Ion Ratio	Lower	Upper	
153	100		
152	44.9	39.0	58.6
154	82.3	66.8	100.2

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:25 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: 3.10 ng/ul

RT: 15.67 min Scan# 2141

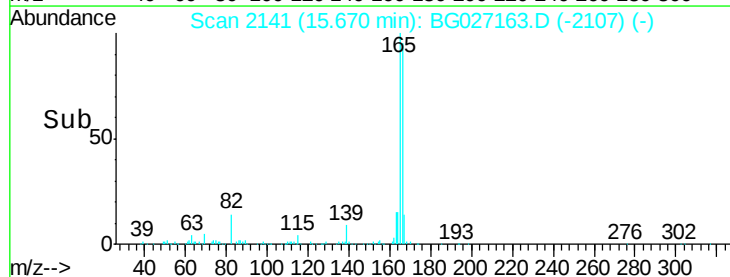
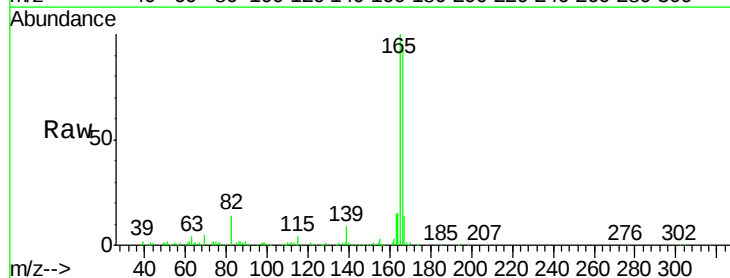
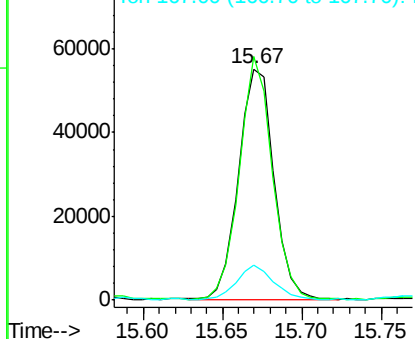
Delta R.T. 0.00 min

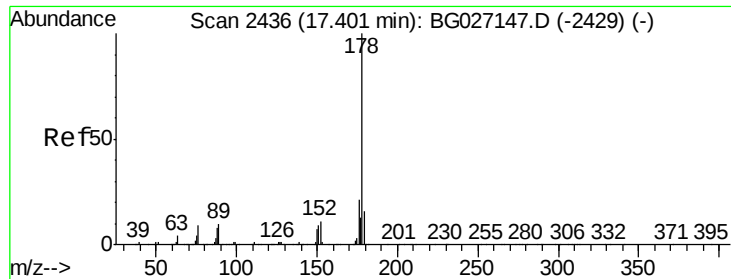
Lab File: BG027163.D

Acq: 25 May 2017 13:50

Tgt Ion:	166	Resp:	84639
Ion Ratio	Lower	Upper	
166	100		
165	105.2	83.8	125.8
167	14.9	11.5	17.3

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





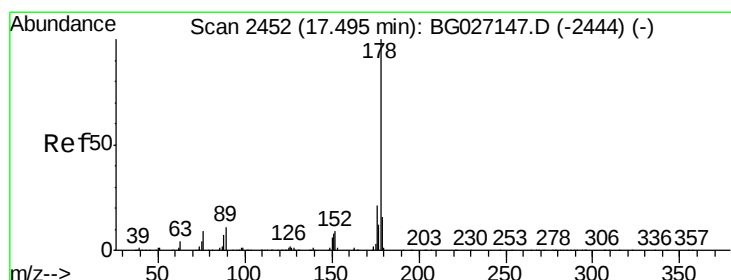
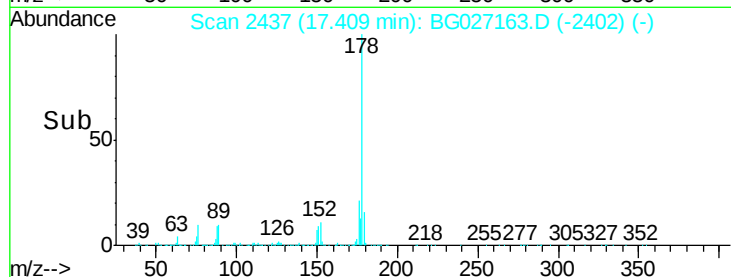
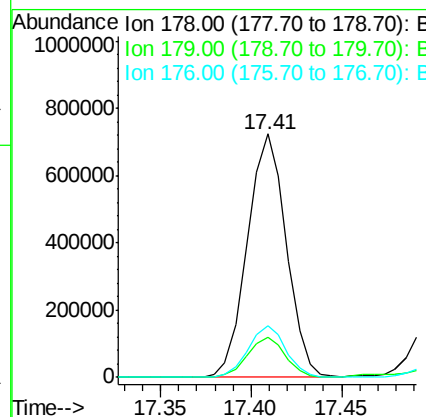
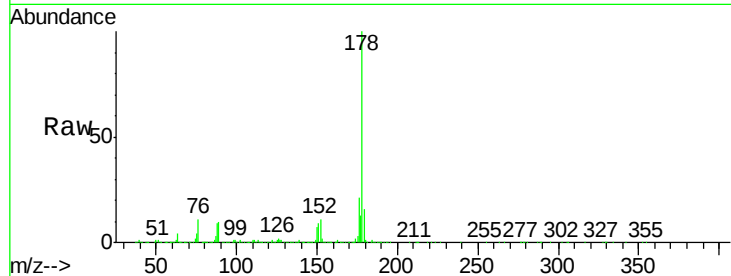
#13
Phenanthrene
Concen: 28.95 ng/ul
RT: 17.41 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Instrument :
BNA_G
ClientSampleID :
DAC94DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	21.2	15.1	22.7

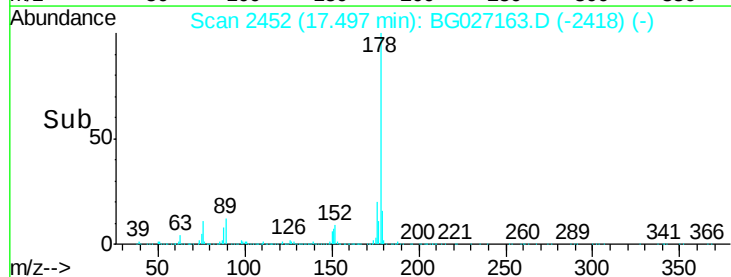
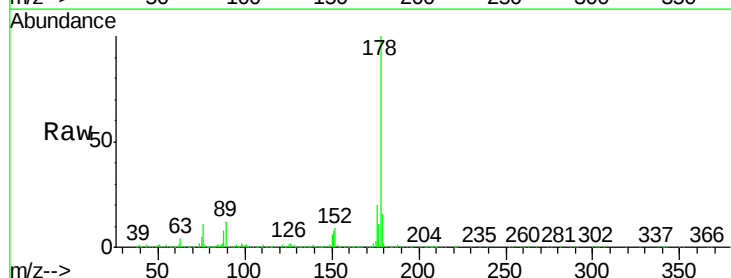
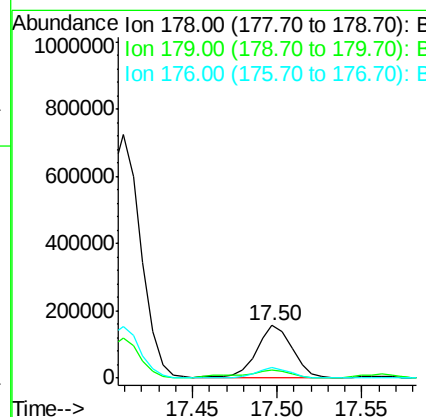
Manual Integrations
APPROVED

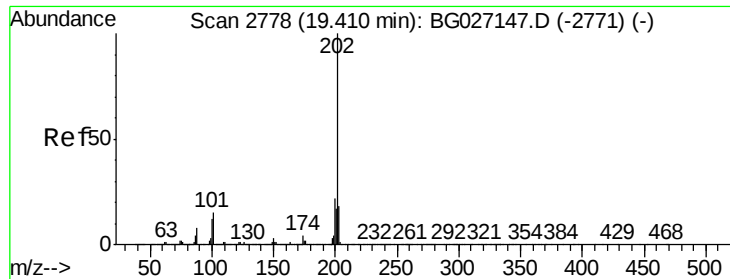
mohammad
5/26/2017 11:56:25 AM



#15
Anthracene
Concen: 6.02 ng/ul
RT: 17.50 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.8	17.8
176	19.7	15.2	22.8





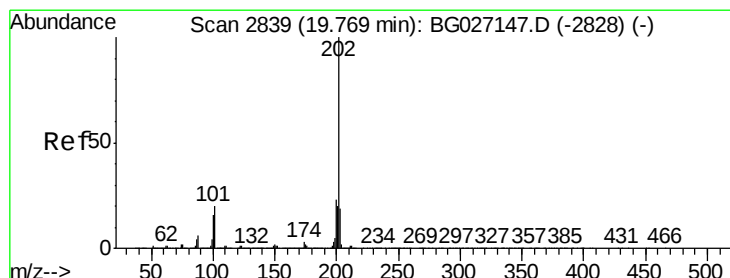
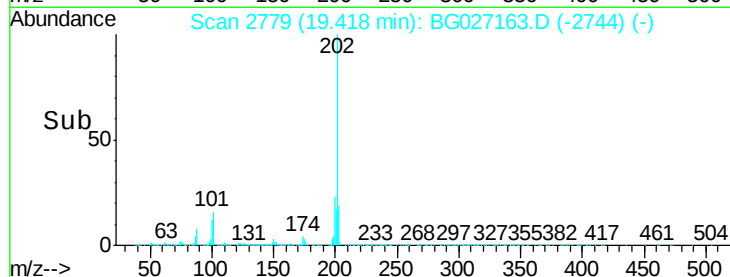
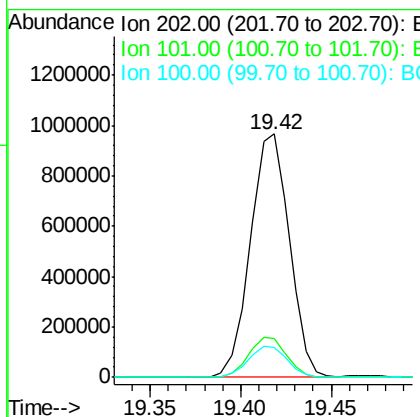
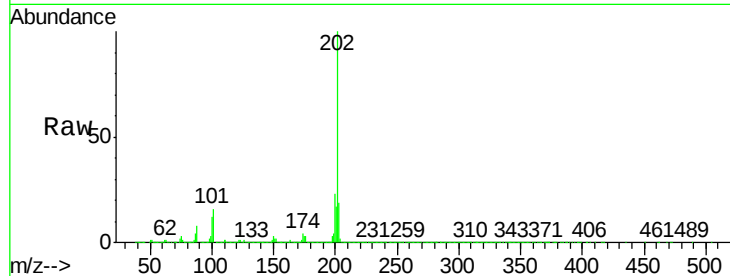
#16
Fluoranthene
Concen: 37.68 ng/ul
RT: 19.42 min Scan# 2779
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Instrument :
BNA_G
ClientSampleId :
DAC94DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	9.9	14.9#
100	12.4	7.4	11.0#

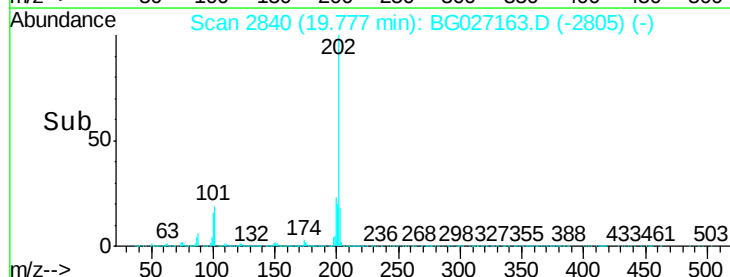
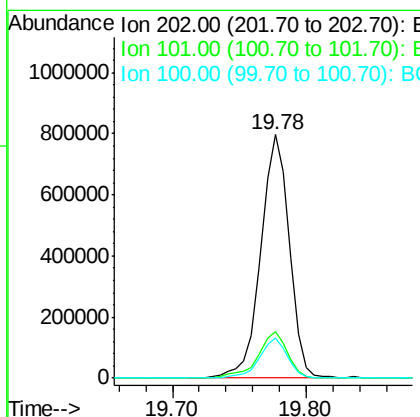
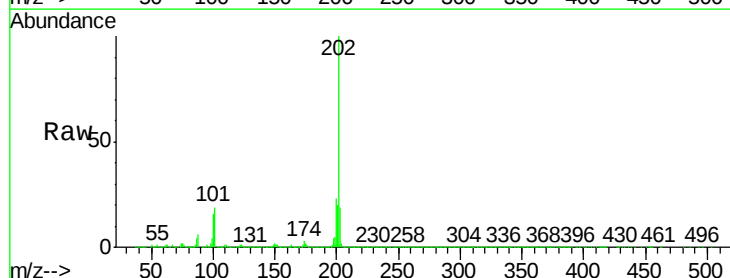
Manual Integrations
APPROVED

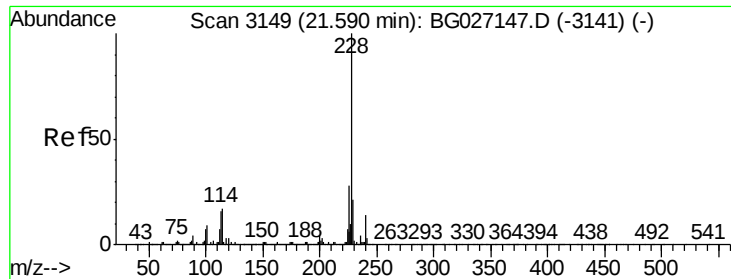
mohammad
5/26/2017 11:56:25 AM



#19
Pyrene
Concen: 30.58 ng/ul
RT: 19.78 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.0	11.0	16.4#
100	16.3	8.1	12.1#





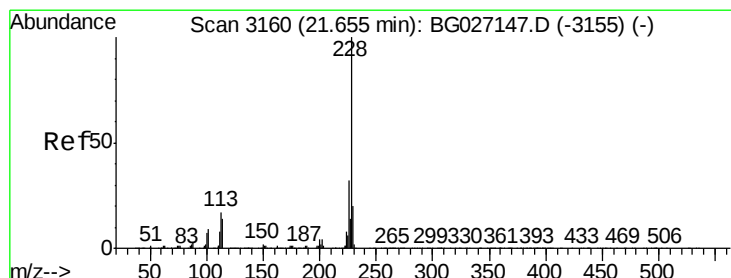
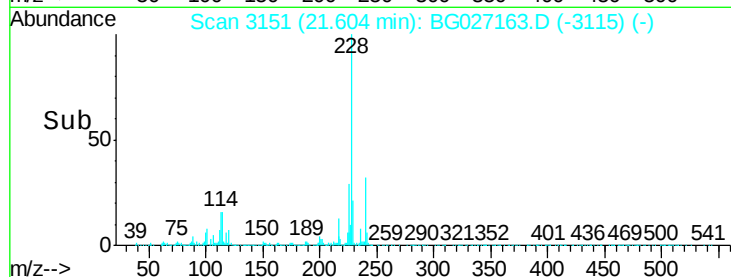
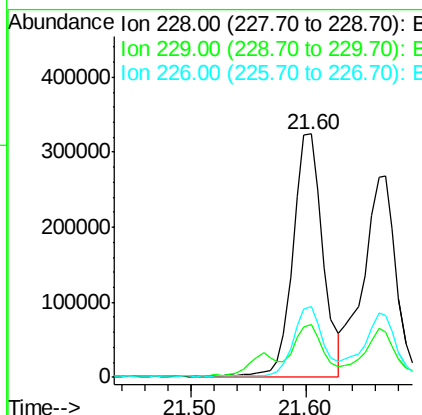
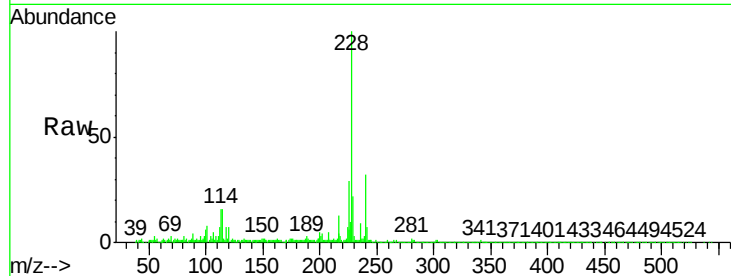
#20
Benzo(a)anthracene
Concen: 16.47 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Instrument :
BNA_G
ClientSampleId :
DAC94DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.7	23.5
226	29.2	21.1	31.7

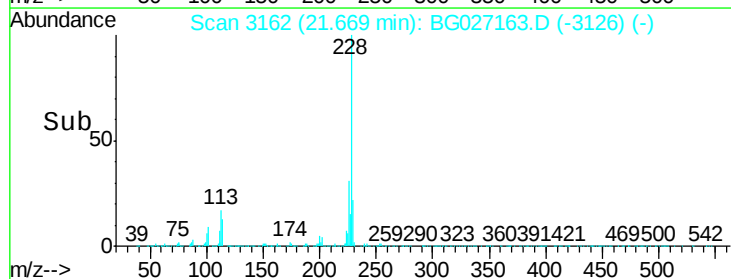
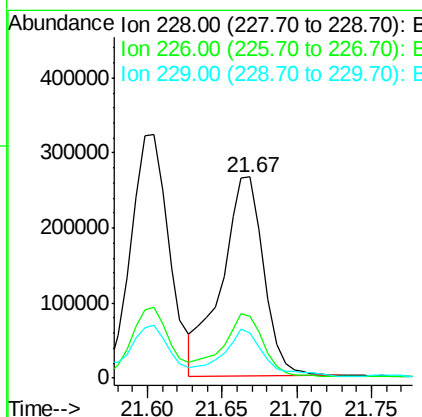
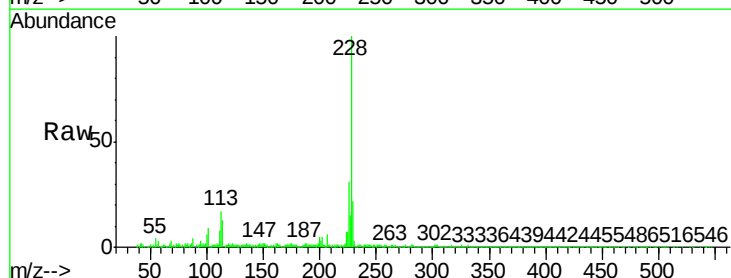
Manual Integrations
APPROVED

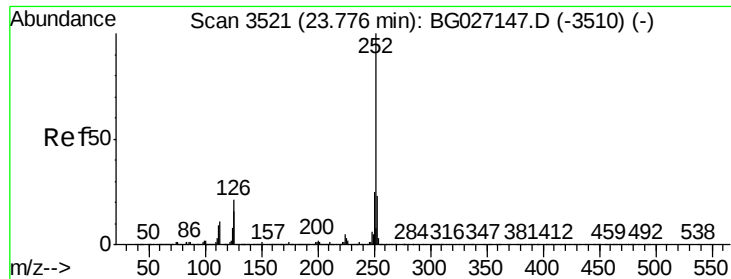
mohammad
5/26/2017 11:56:25 AM



#21
Chrysene
Concen: 16.11 ng/ul
RT: 21.67 min Scan# 3162
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	22.4	15.8	23.8





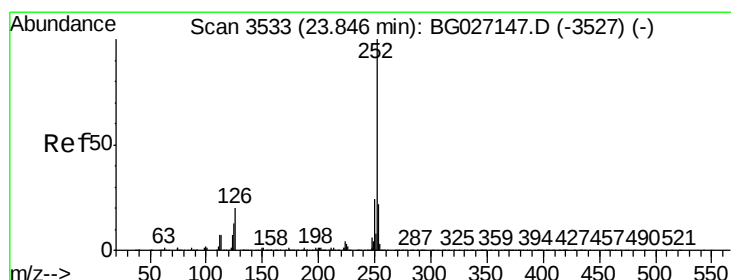
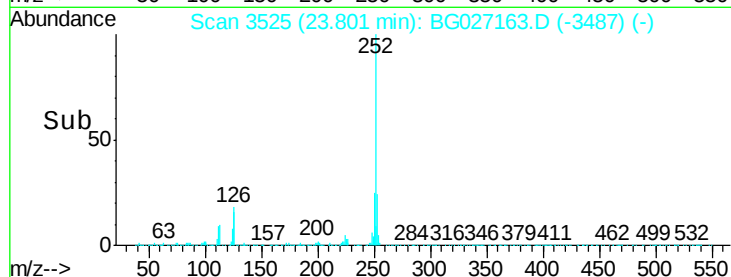
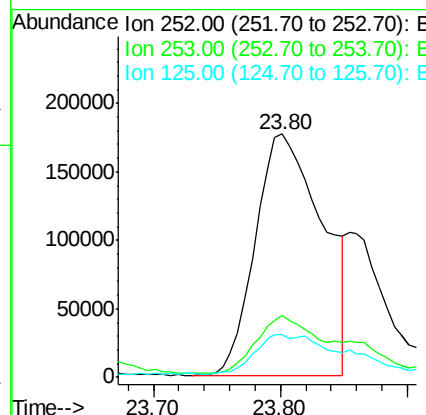
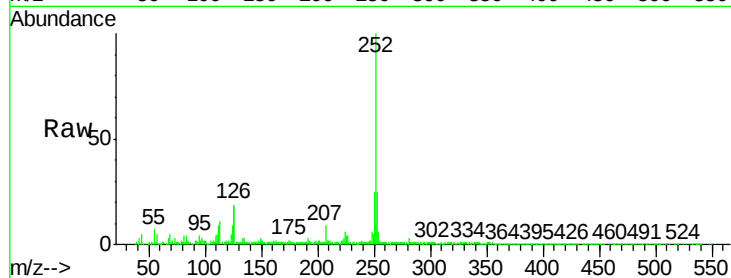
#23
Benzo(b)fluoranthene
Concen: 24.09 ng/ul
RT: 23.80 min Scan# 3525
Delta R.T. 0.03 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Instrument :
BNA_G
ClientSampleId :
DAC94DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.2	18.0	27.0
125	17.7	8.0	12.0#

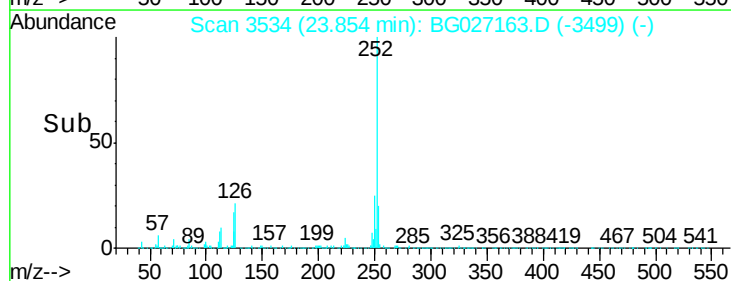
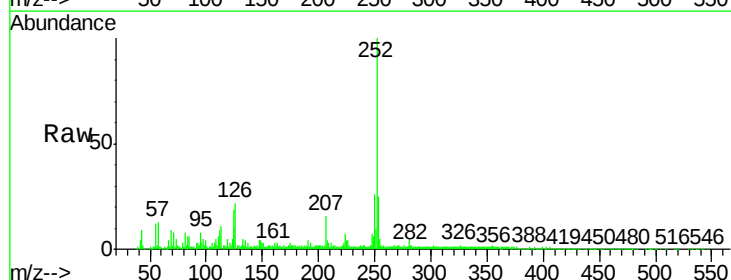
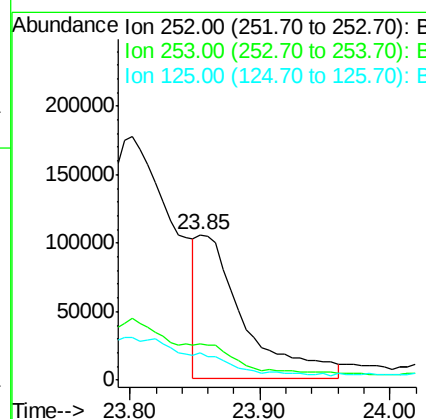
Manual Integrations
APPROVED

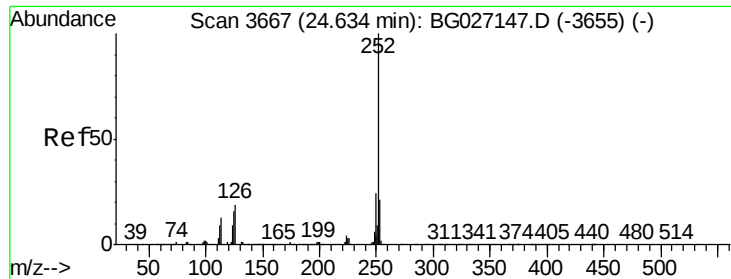
mohammad
5/26/2017 11:56:25 AM



#24
Benzo(k)fluoranthene
Concen: 9.24 ng/ul m
RT: 23.85 min Scan# 3534
Delta R.T. 0.01 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.9	18.0	27.0
125	19.0	8.1	12.1#





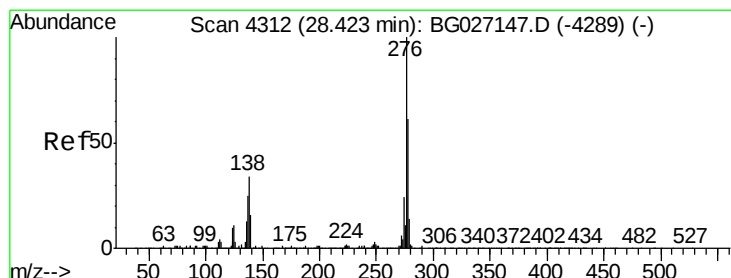
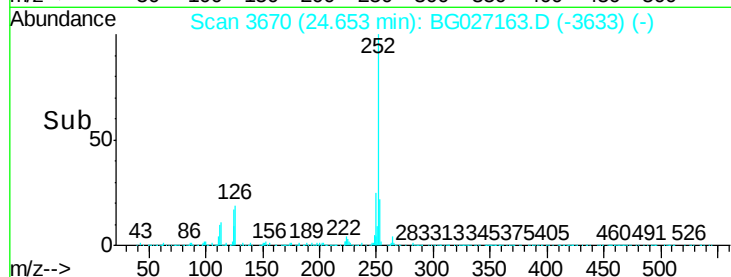
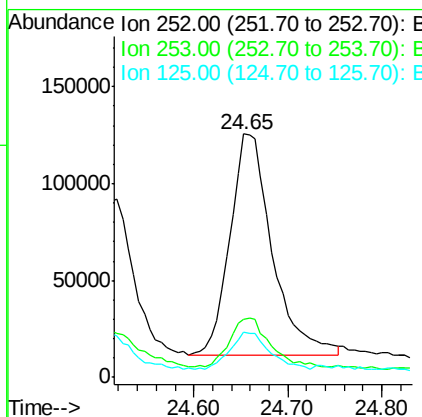
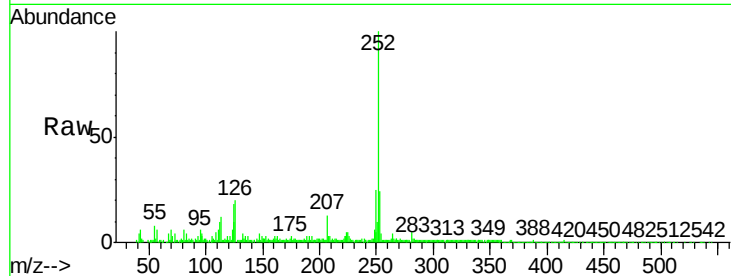
#26
Benzo(a)pyrene
Concen: 13.42 ng/ul
RT: 24.65 min Scan# 3670
Delta R.T. 0.02 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Instrument :
BNA_G
ClientSampleId :
DAC94DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.9	17.2	25.8
125	18.4	8.2	12.4

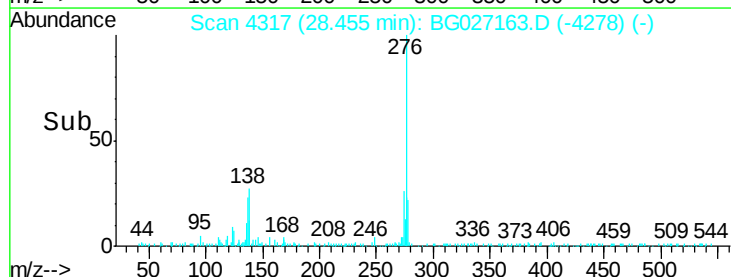
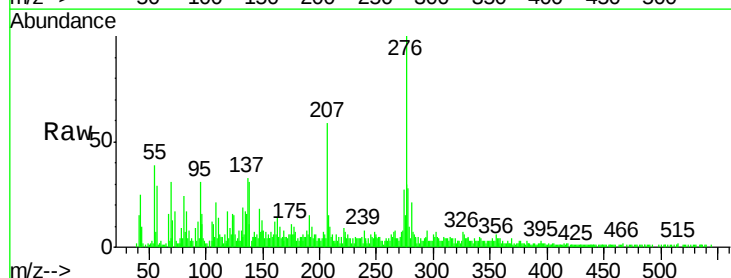
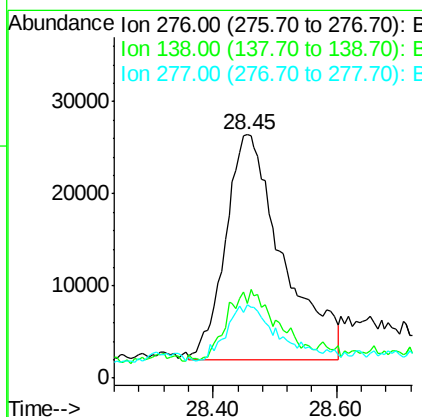
Manual Integrations
APPROVED

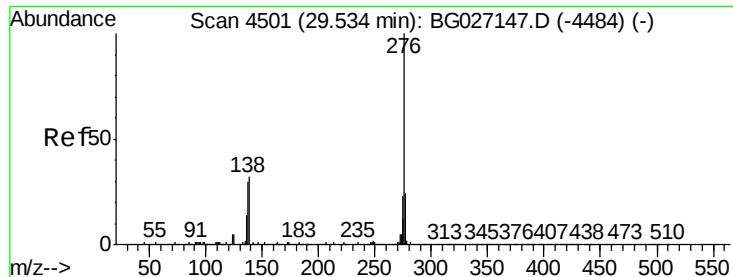
mohammad
5/26/2017 11:56:25 AM



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.40 ng/ul m
RT: 28.45 min Scan# 4317
Delta R.T. 0.03 min
Lab File: BG027163.D
Acq: 25 May 2017 13:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	30.7	14.4	21.6
277	30.2	18.0	27.0





#29

Benzo(g,h,i)perylene

Concen: 4.92 ng/ul m

RT: 29.59 min Scan# 4510

Delta R.T. 0.05 min

Lab File: BG027163.D

Acq: 25 May 2017 13:50

Instrument :

BNA_G

ClientSampleId :

DAC94DL

Tgt Ion: 276 Resp: 95028

Ion Ratio Lower Upper

276 100

138 32.8 15.3 22.9#

277 29.5 19.0 28.4#

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:25 AM

