

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046306.D
 Acq On : 17 Aug 2020 21:55
 Operator : CG/JU
 Sample : L3632-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM80

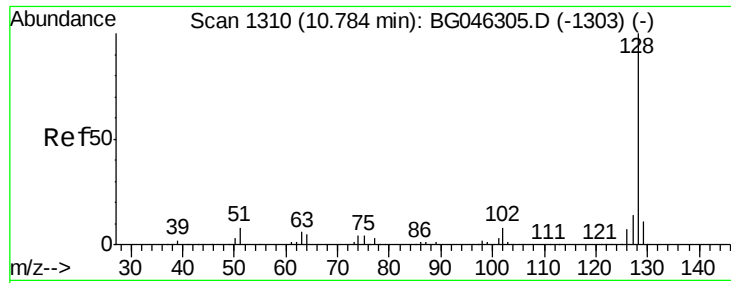
Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:16:03 PM

Quant Time: Aug 18 02:09:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	71537	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.73	136	318747	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.56	164	239047	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.31	188	575070	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	561738	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	602574	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	185160	33.74	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	757231	34.42	ng/ul	0.00
10) Fluorene-d10	15.56	176	582172	34.53	ng/ul	0.00
15) Anthracene-d10	17.41	188	880504	33.03	ng/ul	0.00
19) Pyrene-d10	19.69	212	1013512	35.05	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	1128280	34.31	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	16607	1.002	ng/ul#	95
8) Acenaphthylene	14.29	152	38681	1.729	ng/ul	99
9) Acenaphthene	14.63	153	26237	1.643	ng/ul	98
11) Fluorene	15.62	166	28332	1.517	ng/ul	98
14) Phenanthrene	17.35	178	671877	21.237	ng/ul	99
16) Anthracene	17.44	178	129629	4.061	ng/ul	98
17) Fluoranthene	19.36	202	1294752	36.703	ng/ul	98
20) Pyrene	19.72	202	1208164	32.766	ng/ul	99
21) Benzo(a)anthracene	21.54	228	791712	21.662	ng/ul	96
22) Chrysene	21.60	228	817504	23.138	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	1172544	29.426	ng/ul	98
25) Benzo(k)fluoranthene	23.74	252	426973m	10.802	ng/ul	
27) Benzo(a)pyrene	24.52	252	875454	23.931	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	661566	14.443	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	178106	4.796	ng/ul	96
30) Benzo(g,h,i)perylene	29.26	276	568374	14.827	ng/ul	99

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



#4

Naphthalene

Concen: 1.002 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

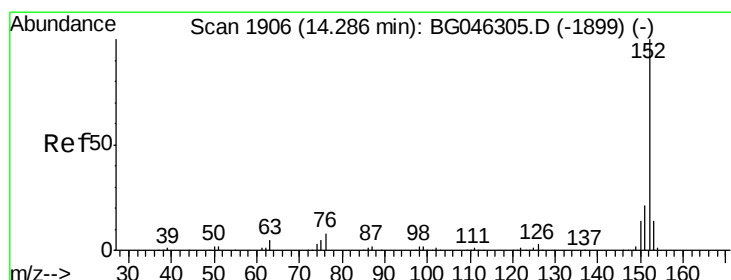
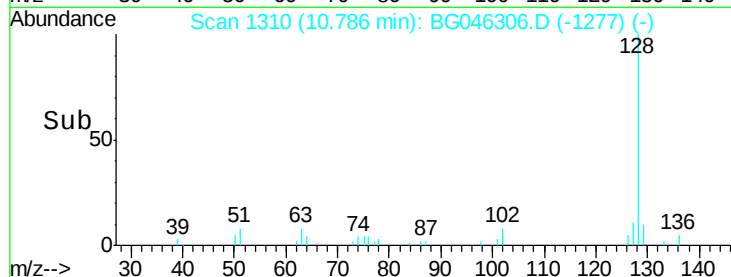
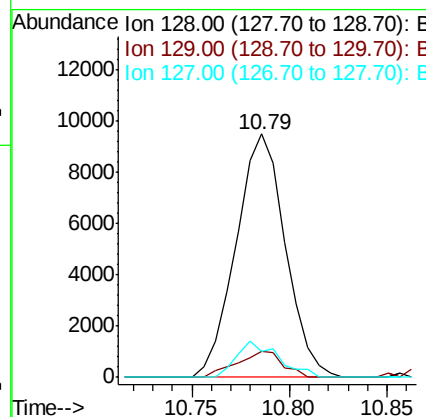
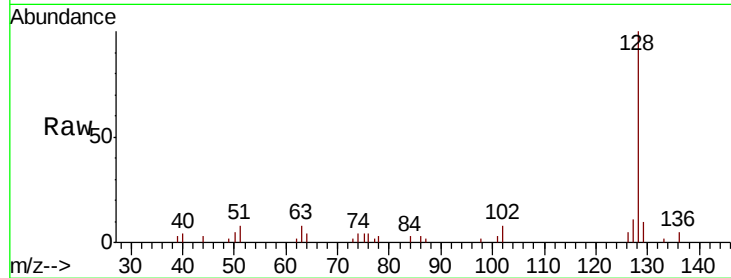
ClientSampleId :

BFM80

Tot Ion:	128	Resp:	16607
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.0	13.6
127	10.6	10.9	16.3#

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#8

Acenaphthylene

Concen: 1.729 ng/ul

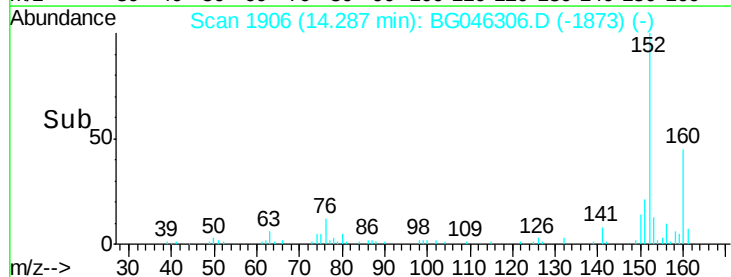
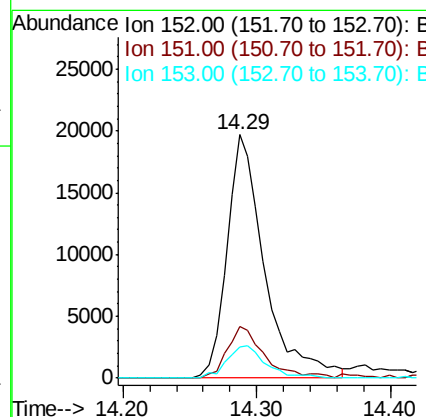
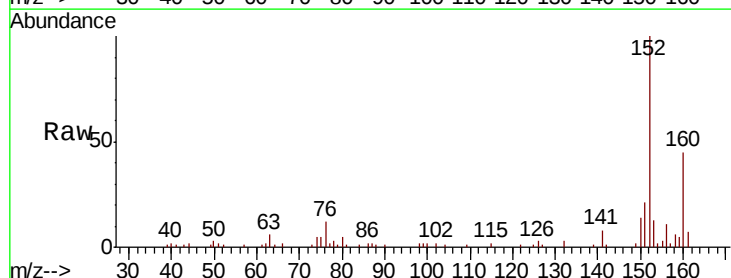
RT: 14.29 min Scan# 1906

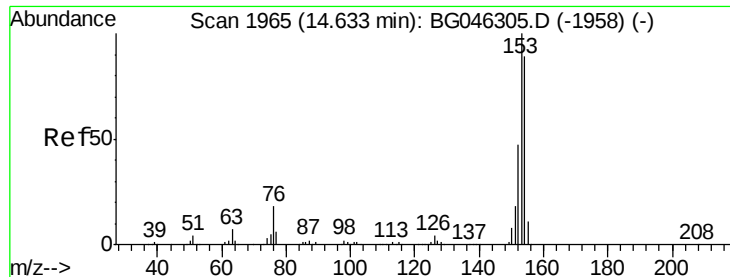
Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion:	152	Resp:	38681
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.5	24.7
153	13.0	11.0	16.6





#9

Acenaphthene

Concen: 1.643 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

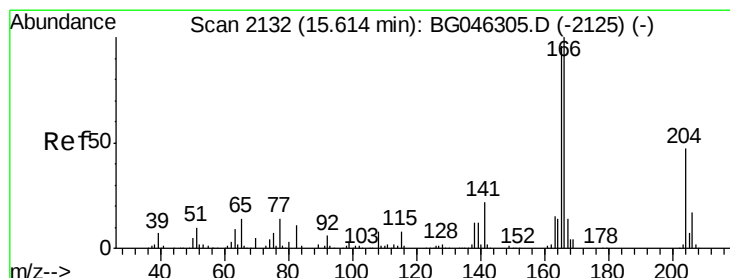
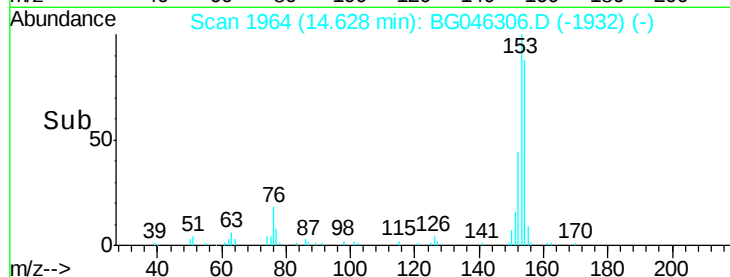
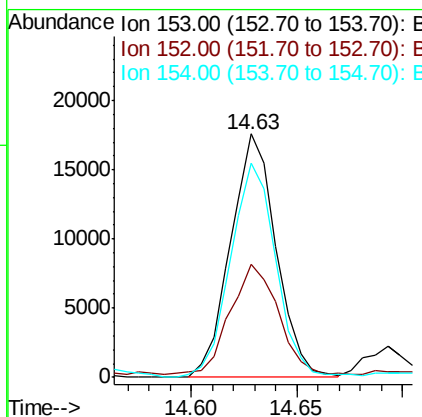
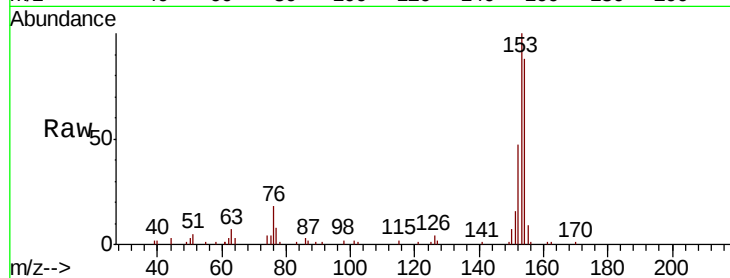
ClientSampleId :

BFM80

Tot Ion:	153	Resp:	26237
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.2	55.8
154	88.1	67.8	101.6

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#11

Fluorene

Concen: 1.517 ng/ul

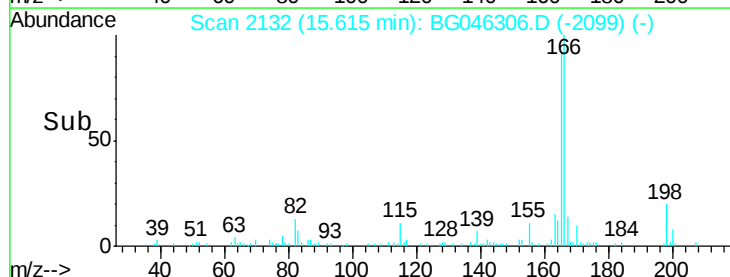
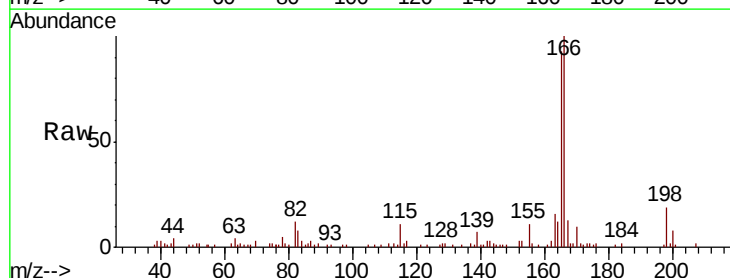
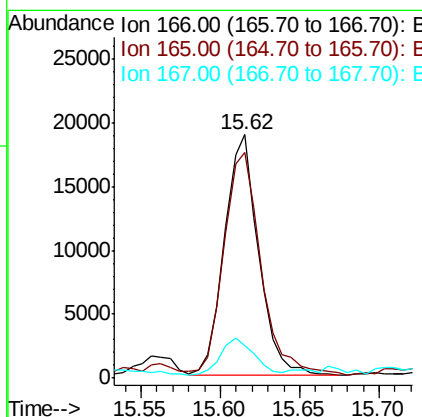
RT: 15.62 min Scan# 2132

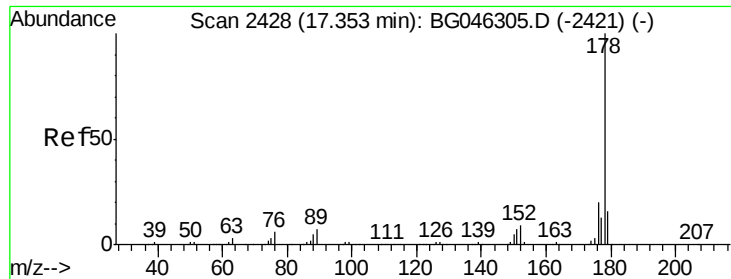
Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion:	166	Resp:	28332
Ion Ratio	Lower	Upper	
166	100		
165	92.6	75.9	113.9
167	13.3	10.7	16.1





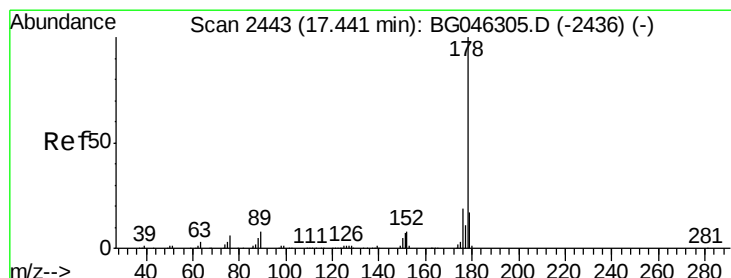
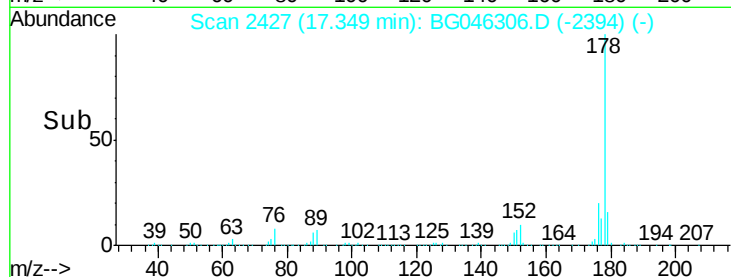
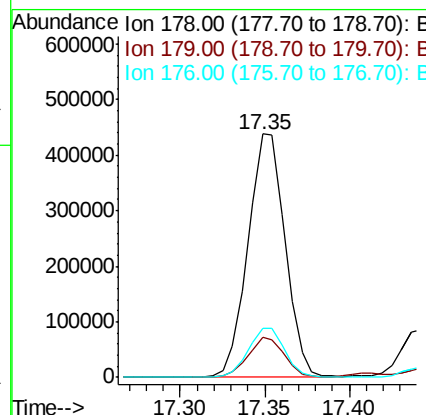
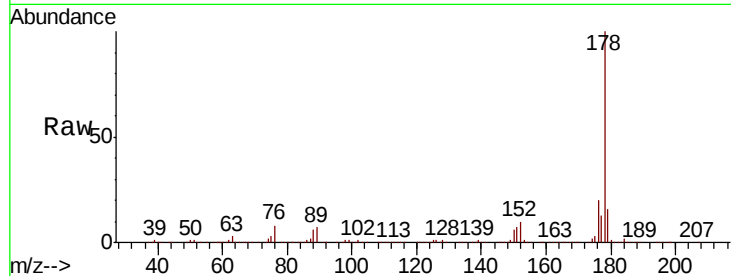
#14
Phenanthrene
Concen: 21.237 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BG046306.D
Acq: 17 Aug 2020 21:55

Instrument :
BNA_G
ClientSampleId :
BFM80

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	20.4	15.8	23.8

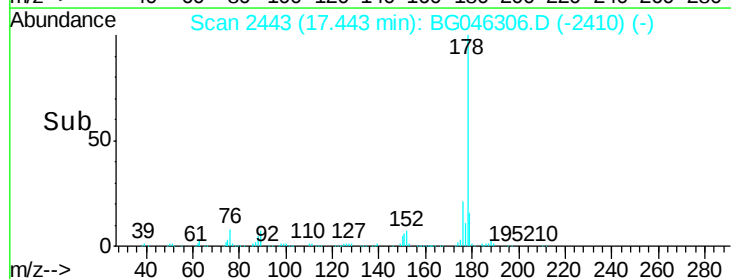
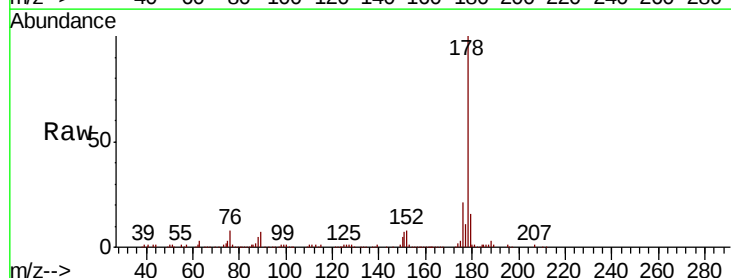
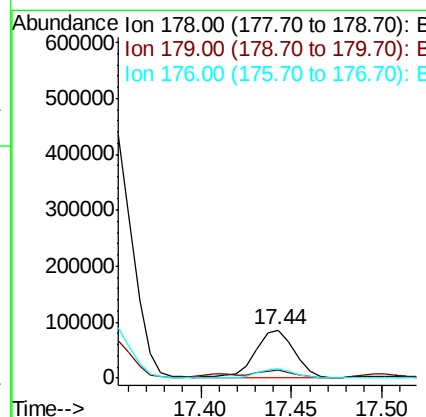
Manual Integrations
APPROVED

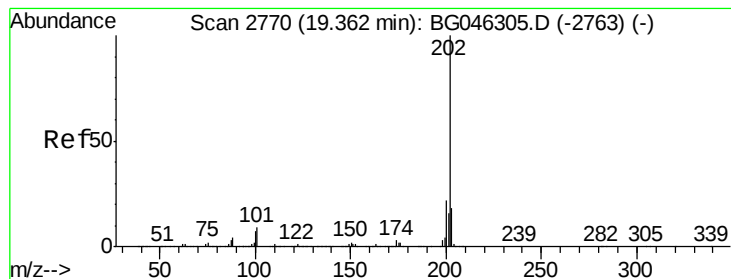
mohammad
8/19/2020 2:16:03 PM



#16
Anthracene
Concen: 4.061 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG046306.D
Acq: 17 Aug 2020 21:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	13.2	19.8
176	20.7	15.2	22.8





#17

Fluoranthene

Concen: 36.703 ng/ul

RT: 19.36 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

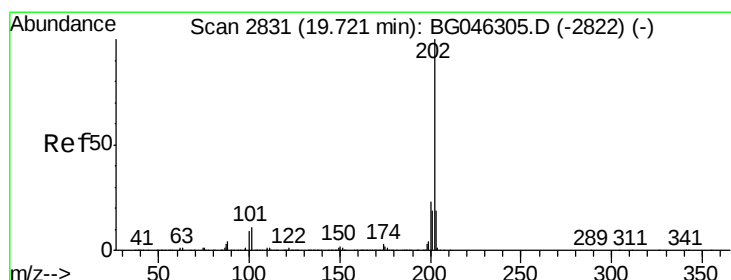
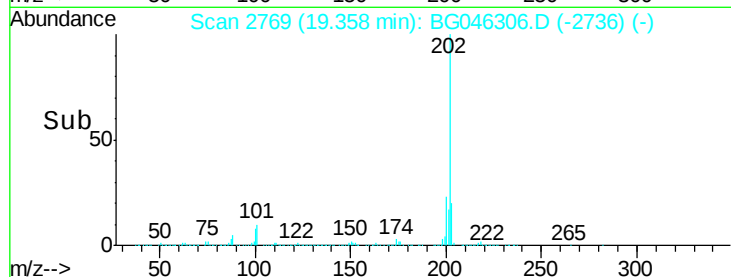
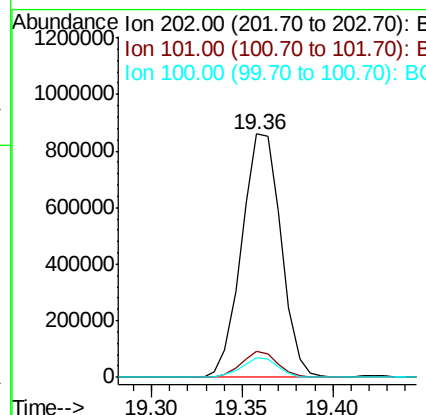
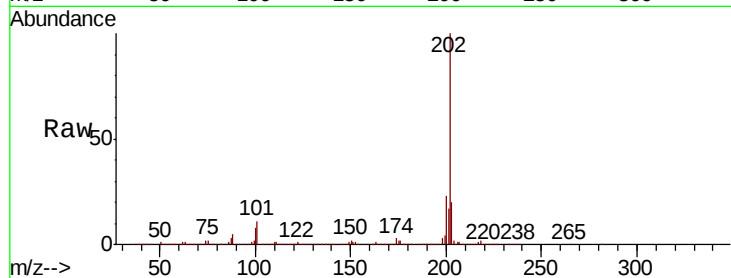
ClientSampleId :

BFM80

Tot Ion:	202	Resp:	1294752
Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.8	11.6
100	8.1	5.9	8.9

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#20

Pyrene

Concen: 32.766 ng/ul

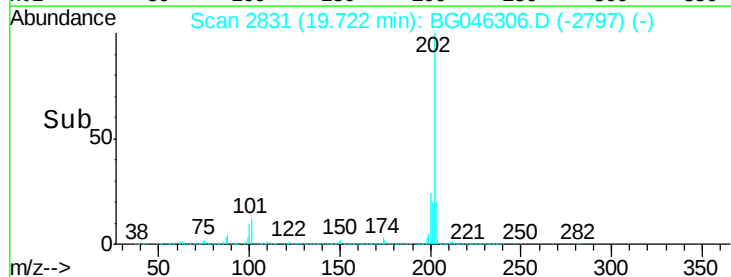
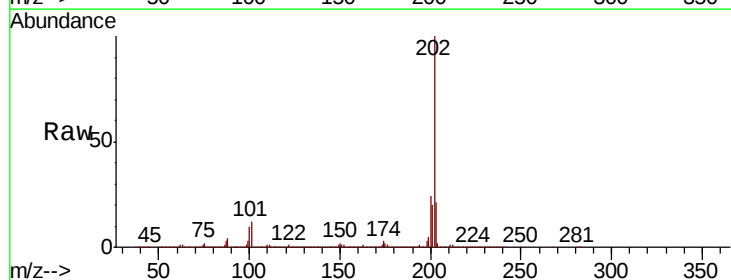
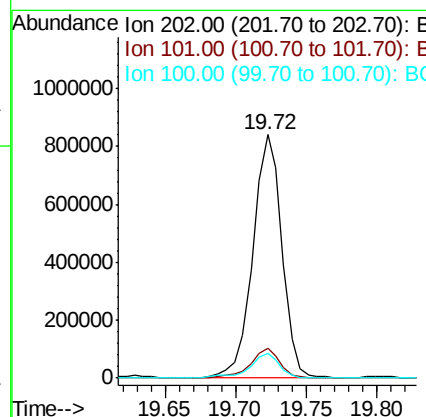
RT: 19.72 min Scan# 2831

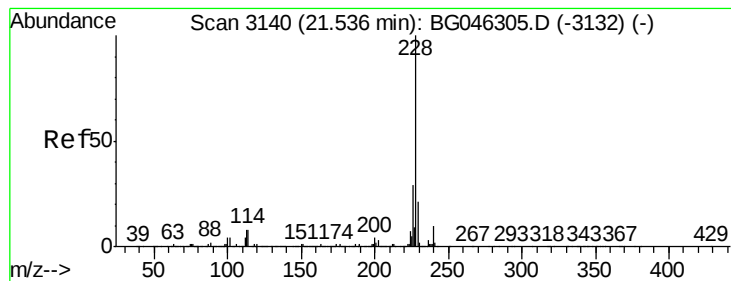
Delta R.T. -0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion:	202	Resp:	1208164
Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	9.9	7.9	11.9





#21

Benzo(a)anthracene

Concen: 21.662 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

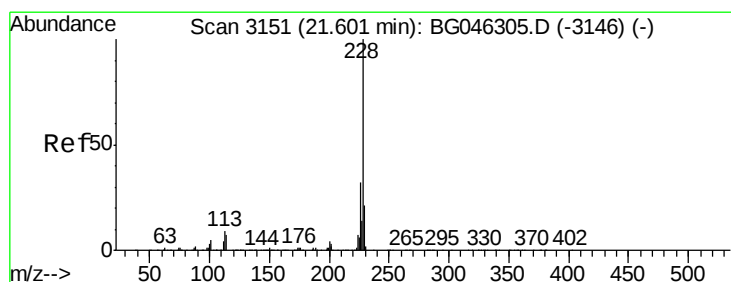
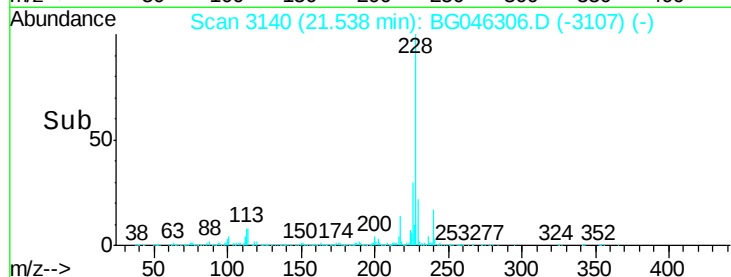
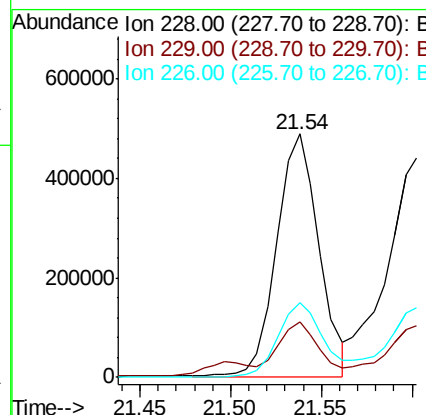
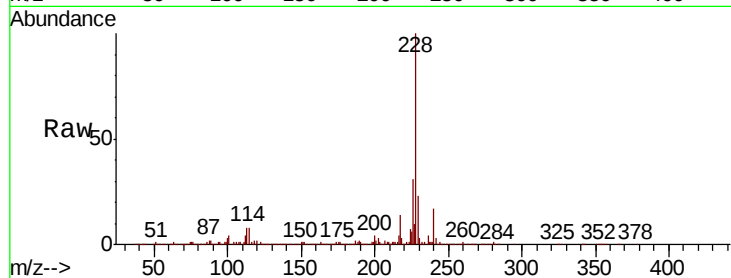
ClientSampleId :

BFM80

Tot Ion:	228	Resp:	791712
Ion Ratio	Lower	Upper	
228	100		
229	22.6	16.6	25.0
226	30.6	22.6	33.8

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#22

Chrysene

Concen: 23.138 ng/ul

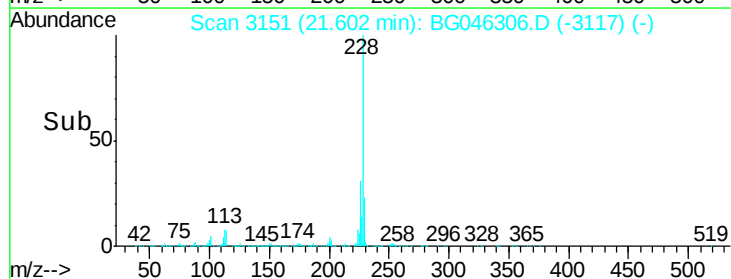
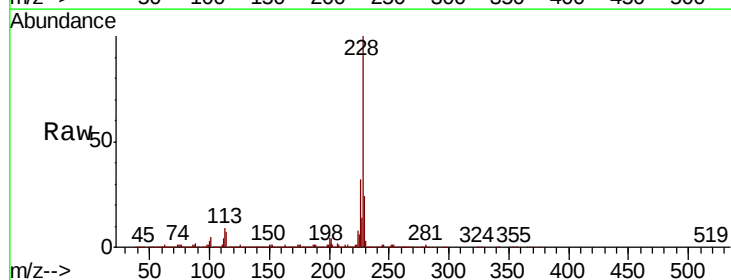
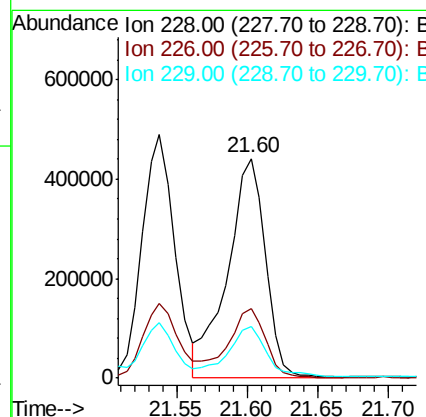
RT: 21.60 min Scan# 3151

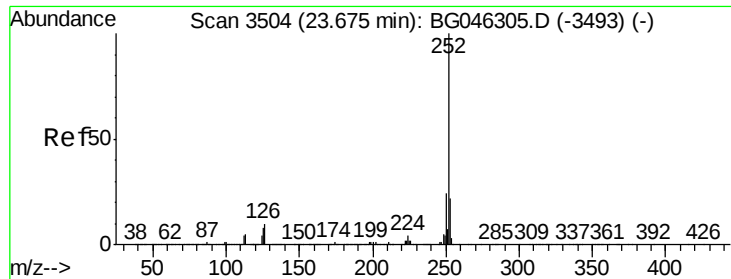
Delta R.T. -0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion:	228	Resp:	817504
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.5	38.3
229	23.7	17.0	25.4





#24

Benzo(b)fluoranthene

Concen: 29.426 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

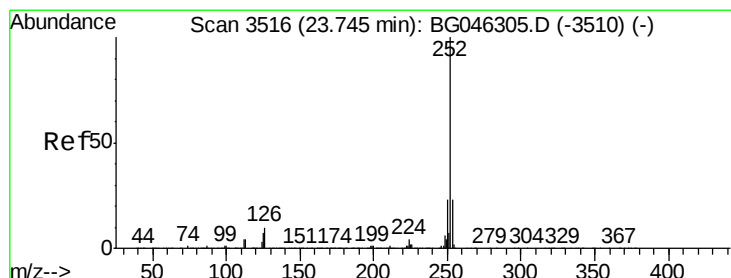
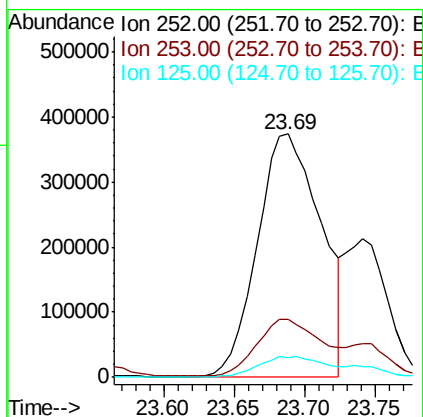
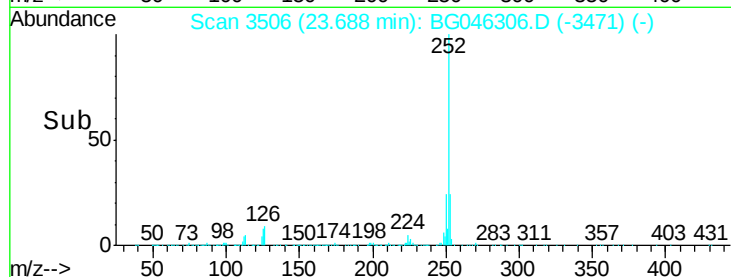
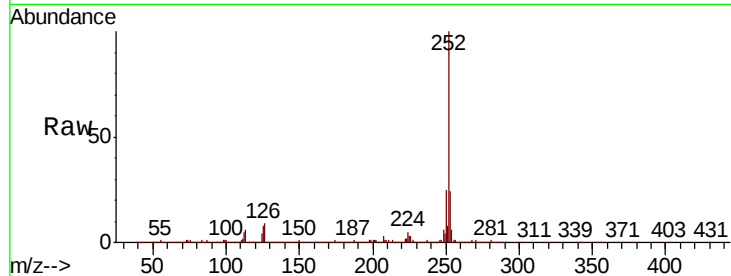
ClientSampleId :

BFM80

Tot Ion:	252	Resp:	1172544
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	8.1	6.4	9.6

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#25

Benzo(k)fluoranthene

Concen: 10.802 ng/ul m

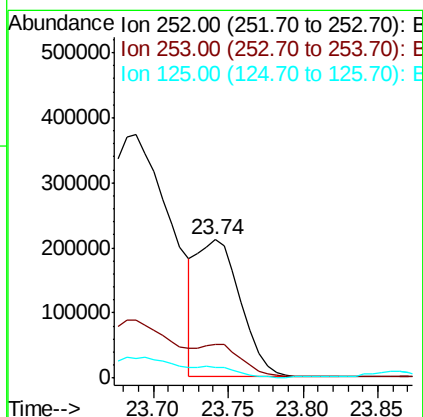
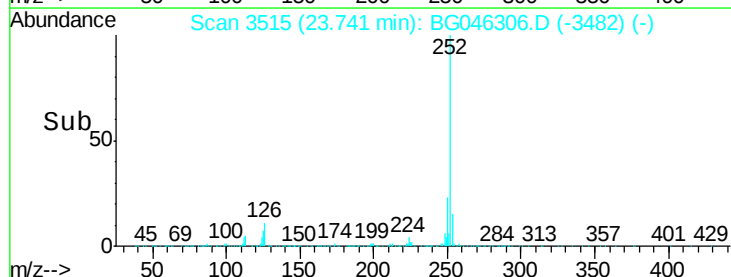
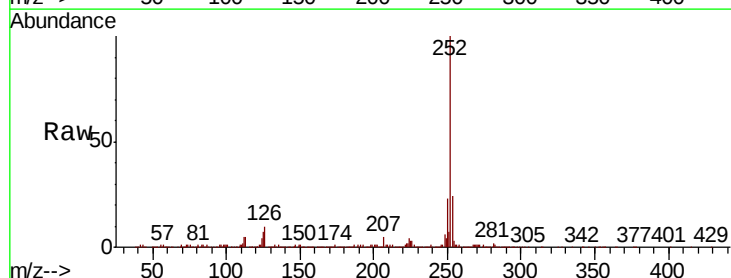
RT: 23.74 min Scan# 3515

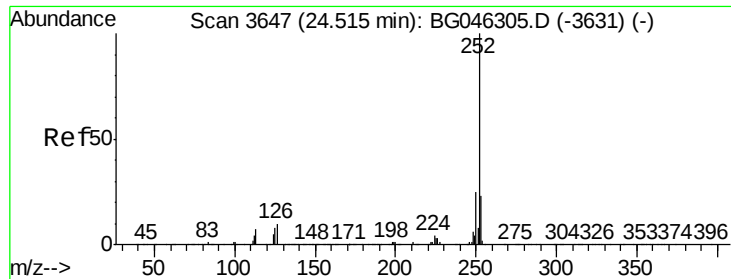
Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion:	252	Resp:	426973
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	7.4	6.2	9.2





#27

Benzo(a)pyrene

Concen: 23.931 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

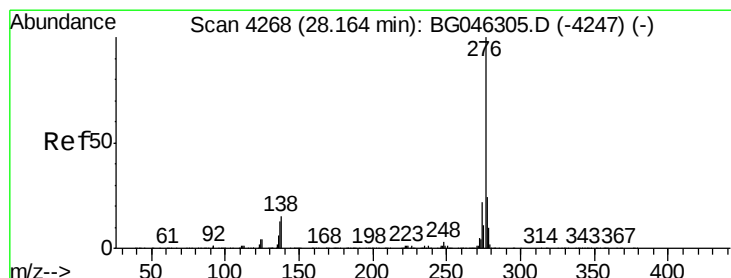
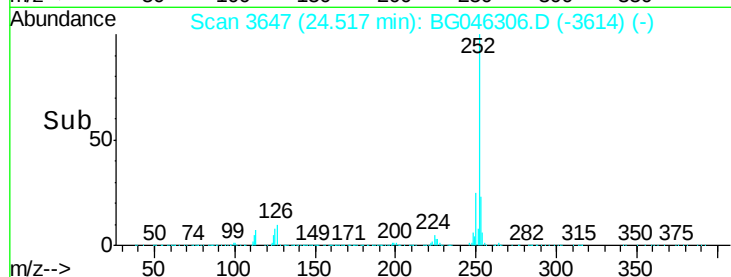
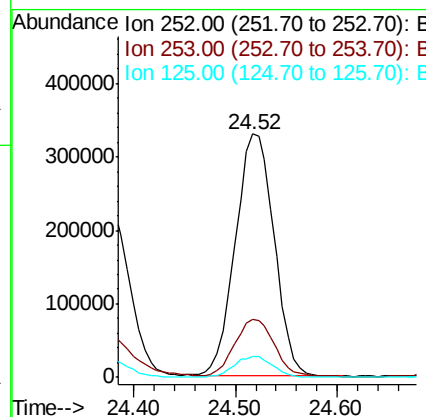
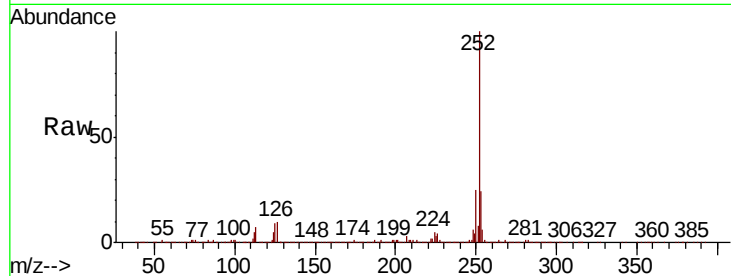
ClientSampleId :

BFM80

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	8.6	7.1	10.7

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 14.443 ng/ul

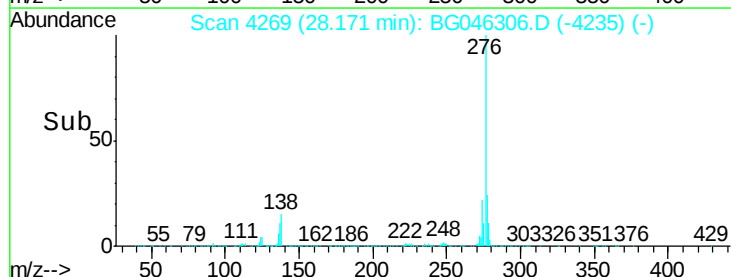
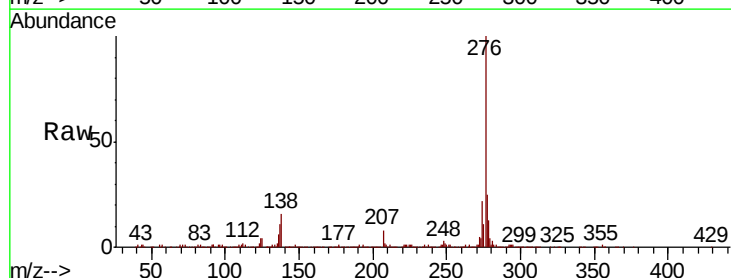
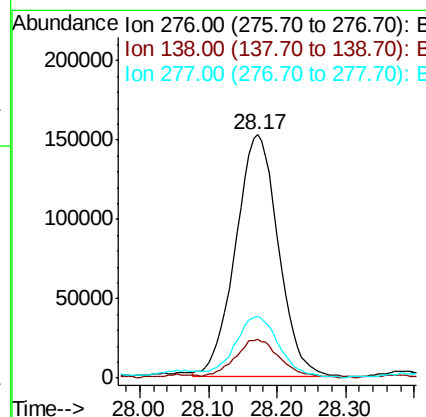
RT: 28.17 min Scan# 4269

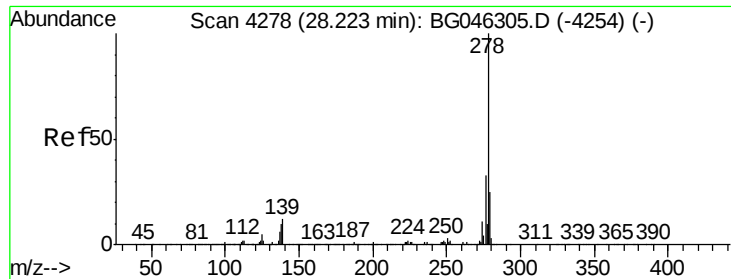
Delta R.T. -0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	25.4	19.9	29.9





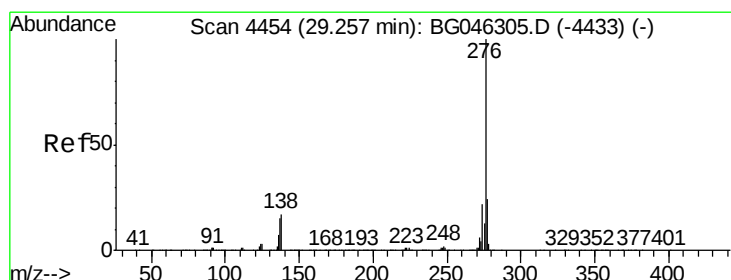
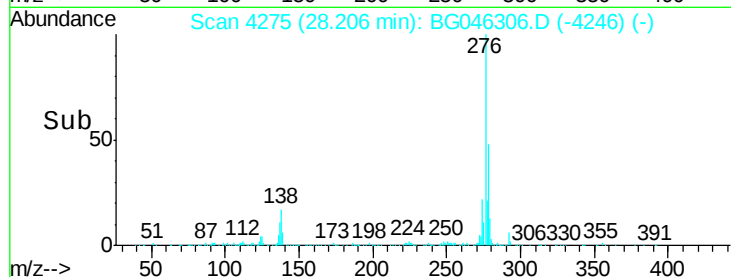
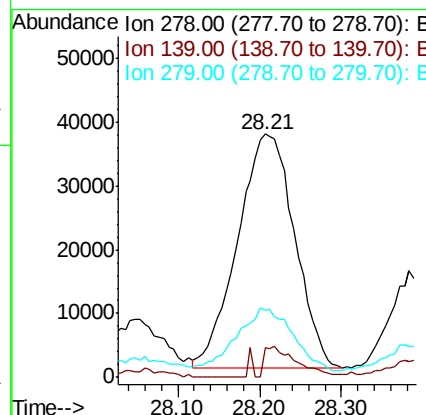
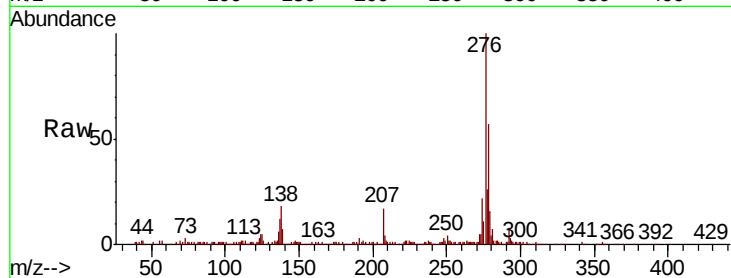
#29
Dibenzo(a,h)anthracene
Concen: 4.796 ng/ul
RT: 28.21 min Scan# 4275
Delta R.T. -0.03 min
Lab File: BG046306.D
Acq: 17 Aug 2020 21:55

Instrument :
BNA_G
ClientSampled :
BFM80

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.8	14.8
279	27.6	19.7	29.5

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:03 PM



#30
Benzo(g,h,i)perylene
Concen: 14.827 ng/ul
RT: 29.26 min Scan# 4455
Delta R.T. -0.00 min
Lab File: BG046306.D
Acq: 17 Aug 2020 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	12.9	19.3
277	24.3	19.4	29.0

