

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
 Data File : BG047491.D
 Acq On : 1 Dec 2020 9:32
 Operator : CG/JU
 Sample : L4793-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B31

Manual Integrations
 APPROVED

mohammad
 12/2/2020 2:25:41 PM

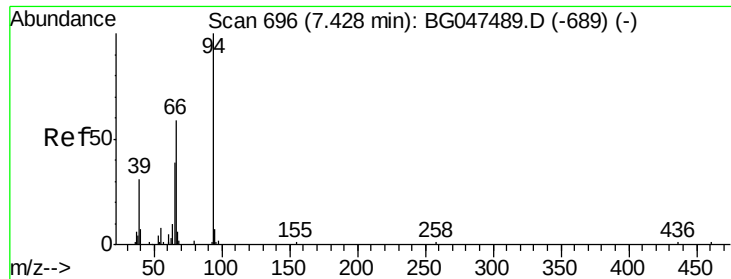
Quant Time: Dec 01 10:25:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 01 10:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	30057	20.00	ng/ul	-0.01
18) Naphthalene-d8	11.09	136	111853	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.88	164	86970	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.62	188	213784	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	199428	20.00	ng/ul	0.00
86) Perylene-d12	25.30	264	218870	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.60	96	780	0.94	ng/uL	-0.01
5) Phenol-d5	7.40	99	18756	6.22	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.57	67	10947	6.37	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.79	132	14080	6.96	ng/ul	-0.01
13) 4-Methylphenol-d8	8.95	113	12332	5.32	ng/ul	-0.01
19) Nitrobenzene-d5	9.43	128	7815	8.46	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.16	143	8337	8.27	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.70	165	18178	7.88	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.22	131	10326	4.42	ng/ul	-0.01
44) Dimethylphthalate-d6	14.27	166	60172	8.06	ng/ul	-0.01
47) Acenaphthylene-d8	14.58	160	73496	8.52	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	5574	4.89	ng/ul	-0.01
58) Fluorene-d10	15.86	176	55442	8.11	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.96	200	7249	5.96	ng/ul	-0.01
71) Anthracene-d10	17.72	188	87395	8.24	ng/ul	0.00
79) Pyrene-d10	19.98	212	97539	8.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	101323	8.04	ng/ul	-0.01

Target Compounds				Ovalue		
6) Phenol	7.43	94	6250	2.164	ng/ul#	80
45) Dimethylphthalate	14.32	163	12577	1.651	ng/ul#	97
70) Phenanthrene	17.66	178	91925	7.962	ng/ul	96
72) Anthracene	17.75	178	14389	1.238	ng/ul	97
77) Fluoranthene	19.65	202	437312	29.994	ng/ul	99
80) Pyrene	20.01	202	395819	28.020	ng/ul	98
83) Benzo(a)anthracene	21.88	228	290260	20.456	ng/ul	92
85) Chrysene	21.95	228	335161	24.821	ng/ul	99
88) Benzo(b)fluoranthene	24.22	252	556410	36.006	ng/ul	97
89) Benzo(k)fluoranthene	24.29	252	169223m	11.112	ng/ul	
91) Benzo(a)pyrene	25.14	252	286940	20.829	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	29.21	276	257027	15.338	ng/ul#	89
93) Dibenzo(a,h)anthracene	29.27	278	71400m	5.197	ng/ul	
94) Benzo(g,h,i)perylene	30.44	276	205176	14.839	ng/ul	97

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



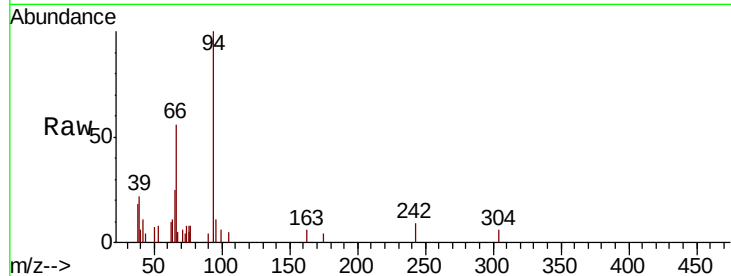
#6
 Phenol
 Concen: 2.164 ng/ul
 RT: 7.43 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: BG047491.D
 Acq: 1 Dec 2020 9:32

Instrument :
 BNA_G
 ClientSampleId :
 C0B31

Tot Ion	Ratio	Lower	Upper
94	100		
65	25.3	37.8	56.8#
66	56.4	51.6	77.4

Manual Integrations
 APPROVED

mohammad
 12/2/2020 2:25:41 PM

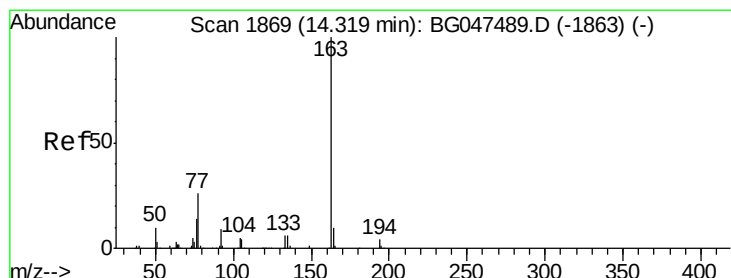
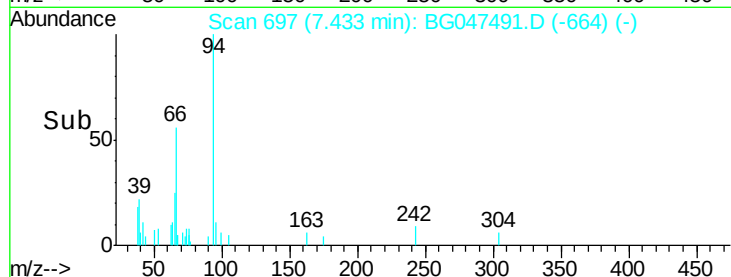
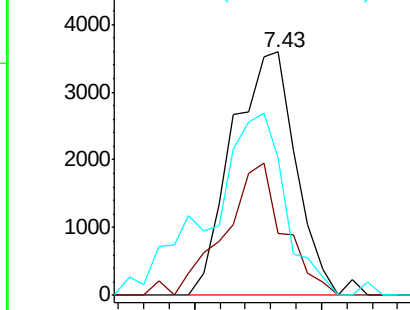


Abundance

Ion 94.00 (93.70 to 94.70): BGC

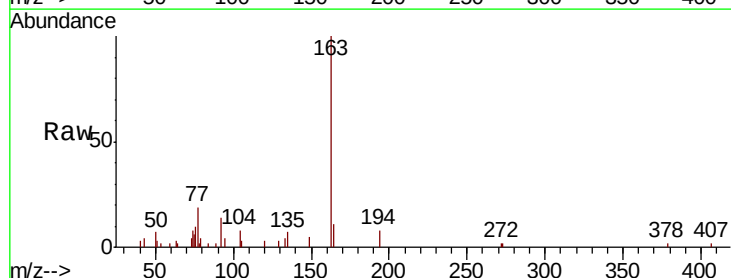
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#45
 Dimethylphthalate
 Concen: 1.651 ng/ul
 RT: 14.32 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BG047491.D
 Acq: 1 Dec 2020 9:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.2	3.6	5.4#
164	10.5	8.5	12.7

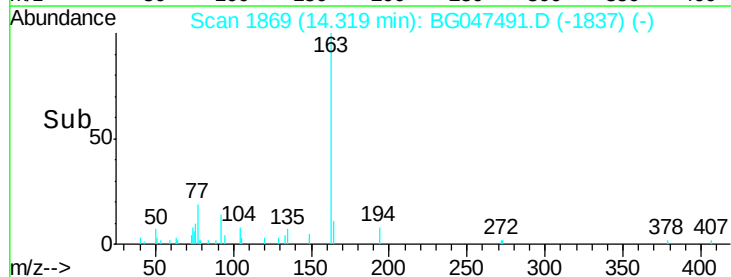
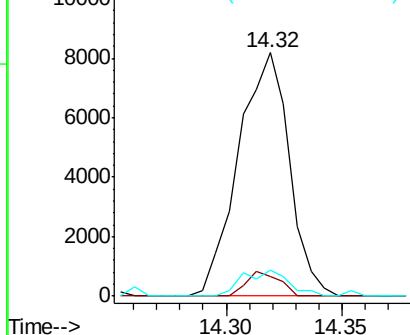


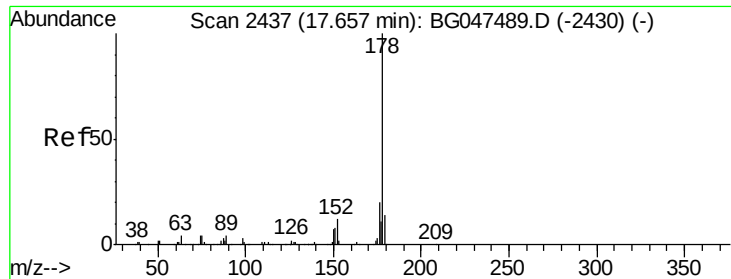
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#70

Phenanthrene

Concen: 7.962 ng/ul

RT: 17.66 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG047491.D

Acq: 1 Dec 2020 9:32

Instrument :

BNA_G

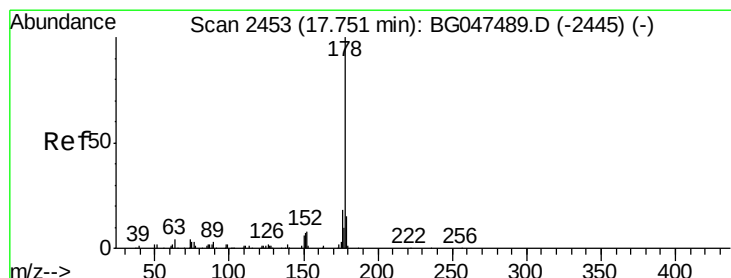
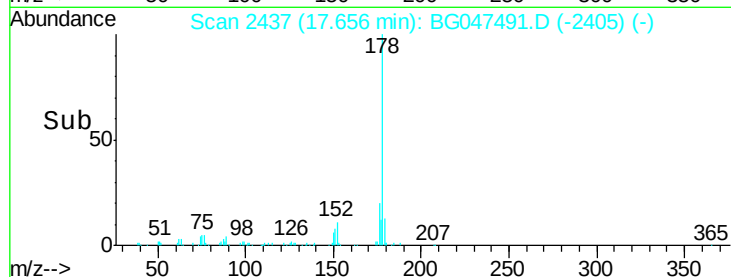
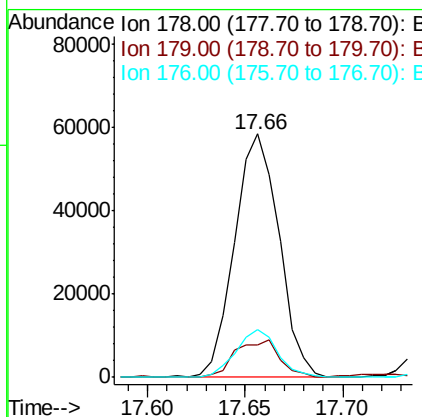
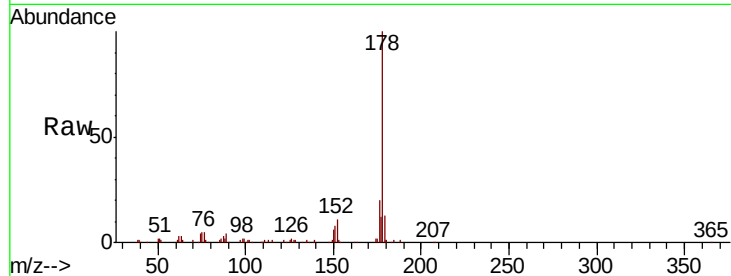
ClientSampleId :

C0B31

Tot Ion:	178	Resp:	91925
Ion Ratio	Lower	Upper	
178	100		
179	13.4	11.8	17.6
176	19.6	13.9	20.9

Manual Integrations
APPROVED

mohammad
12/2/2020 2:25:41 PM



#72

Anthracene

Concen: 1.238 ng/ul

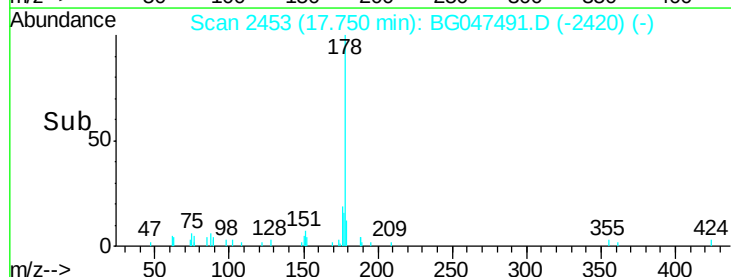
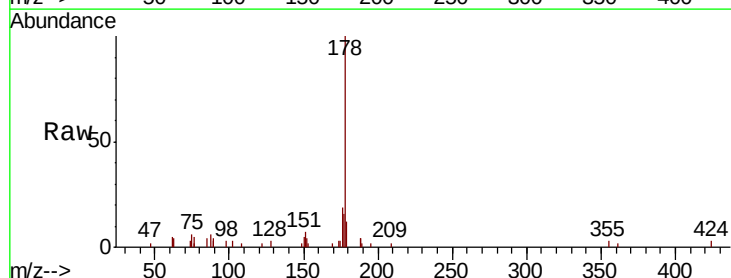
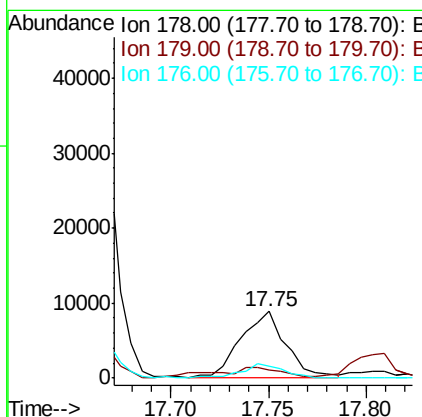
RT: 17.75 min Scan# 2453

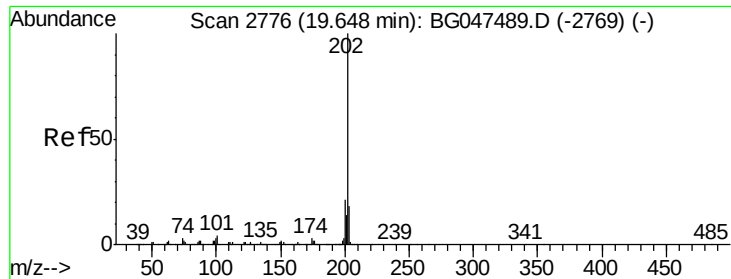
Delta R.T. -0.01 min

Lab File: BG047491.D

Acq: 1 Dec 2020 9:32

Tgt Ion:	178	Resp:	14389
Ion Ratio	Lower	Upper	
178	100		
179	12.1	11.7	17.5
176	18.6	15.4	23.0





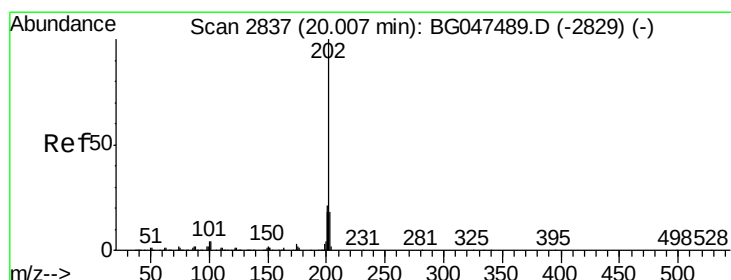
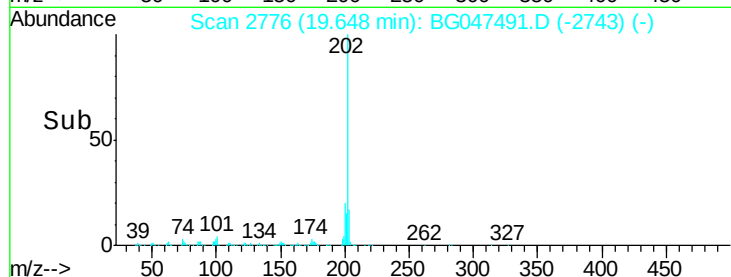
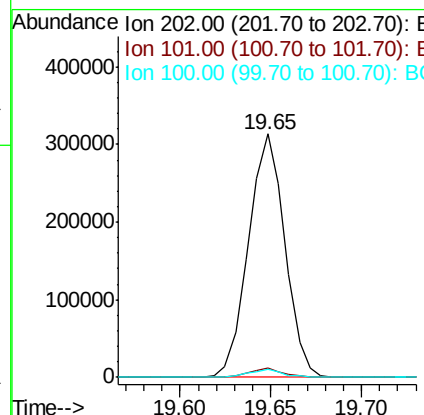
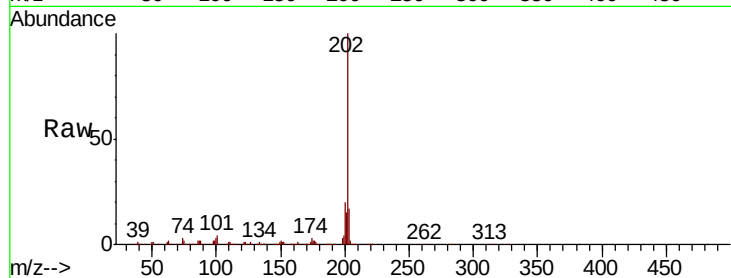
#77
Fluoranthene
Concen: 29.994 ng/ul
RT: 19.65 min Scan# 2776
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Instrument :
BNA_G
ClientSampleId :
C0B31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	4.0		3.0	4.6	
100	3.3		3.0	4.6	

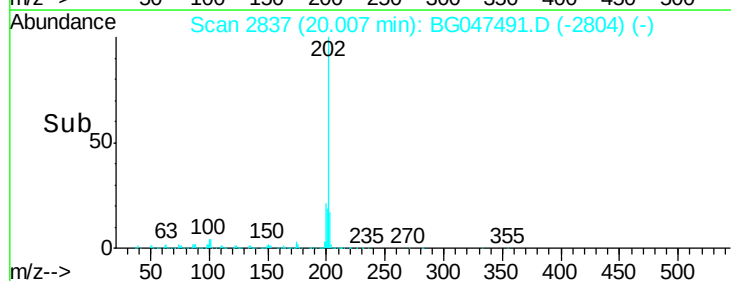
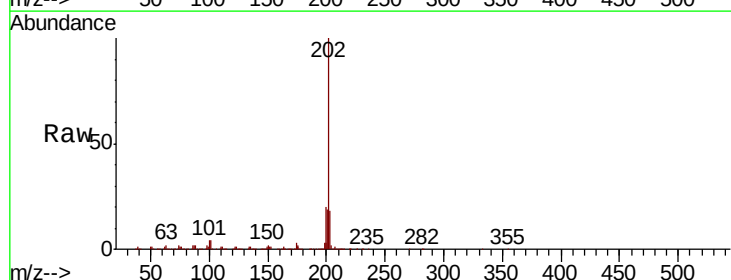
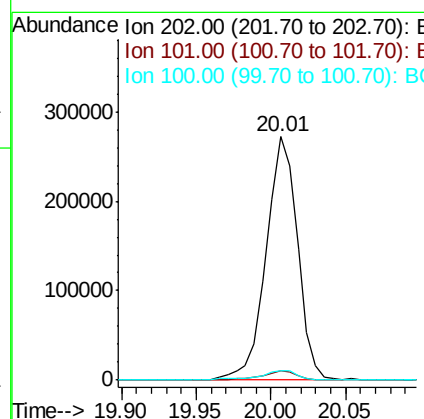
Manual Integrations
APPROVED

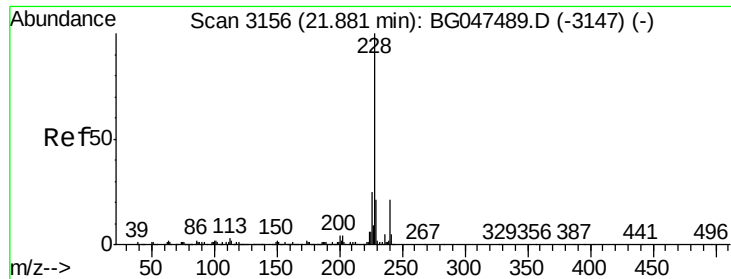
mohammad
12/2/2020 2:25:41 PM



#80
Pyrene
Concen: 28.020 ng/ul
RT: 20.01 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	3.8		3.5	5.3	
100	3.8		3.4	5.0	





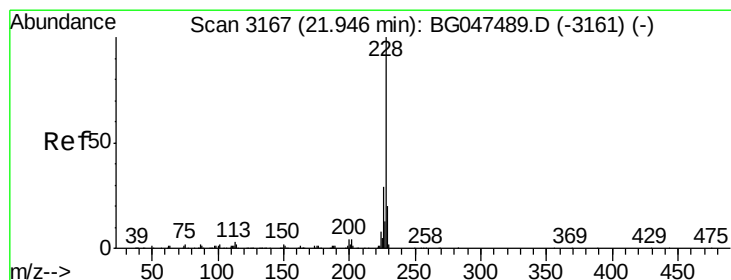
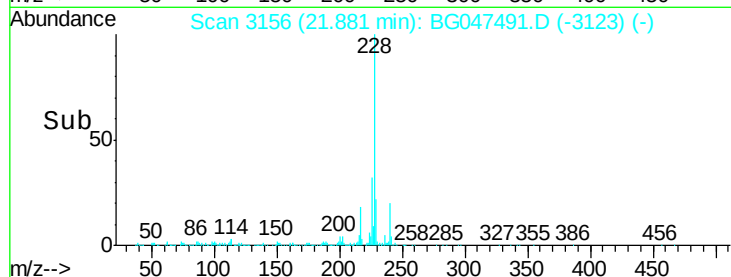
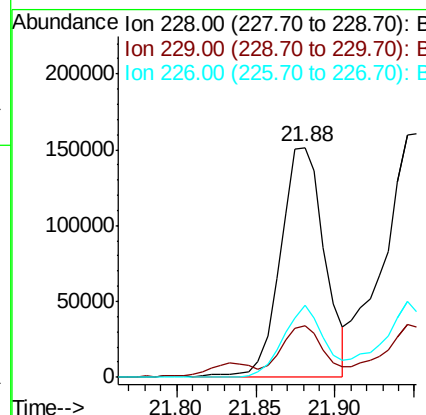
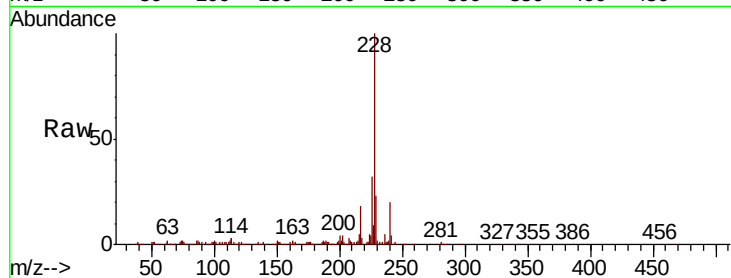
#83
Benzo(a)anthracene
Concen: 20.456 ng/ul
RT: 21.88 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Instrument :
BNA_G
ClientSampleId :
C0B31

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.6	23.4
226	31.5	21.7	32.5

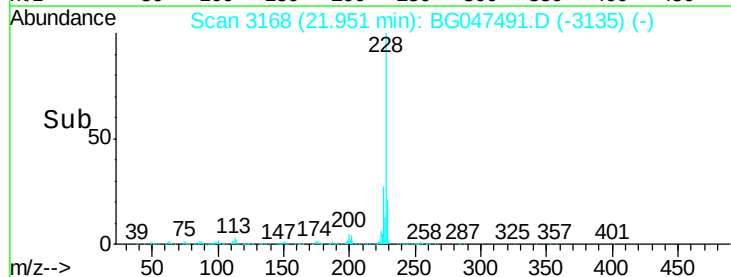
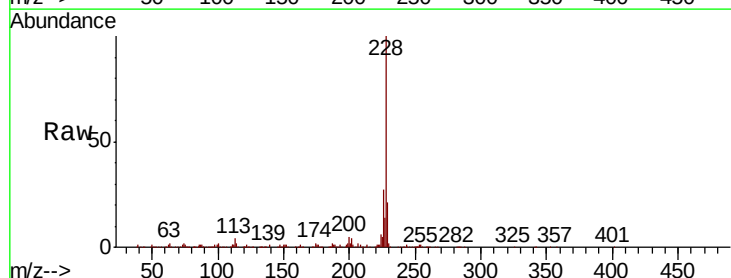
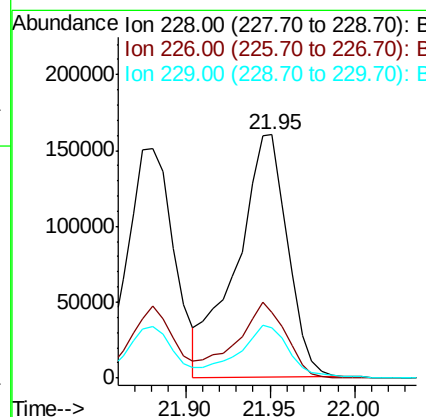
Manual Integrations
APPROVED

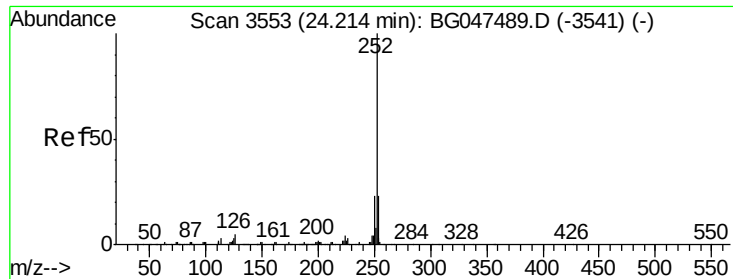
mohammad
12/2/2020 2:25:41 PM



#85
Chrysene
Concen: 24.821 ng/ul
RT: 21.95 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.3	33.5
229	20.7	16.5	24.7





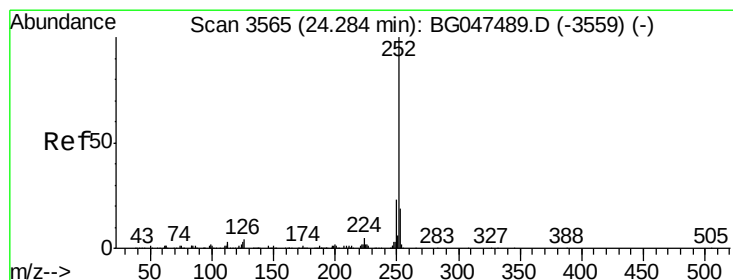
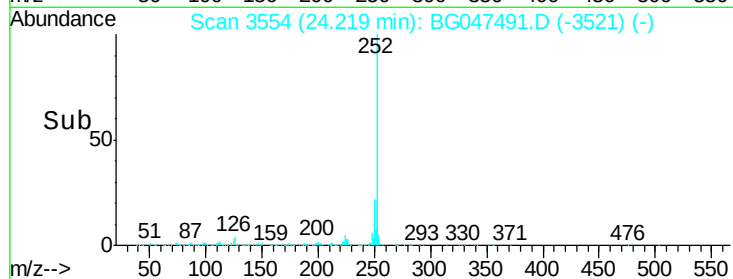
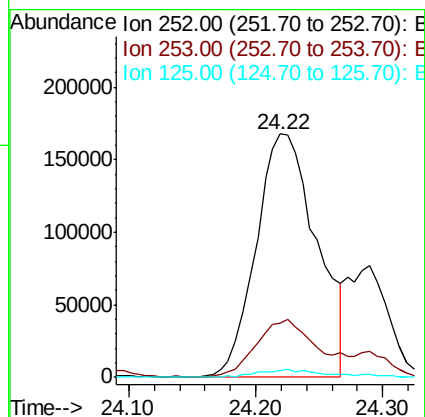
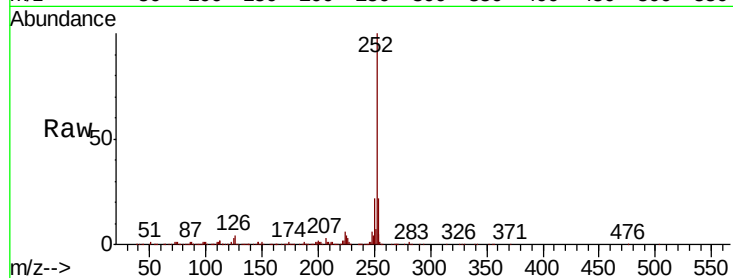
#88
Benzo(b)fluoranthene
Concen: 36.006 ng/ul
RT: 24.22 min Scan# 3554
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Instrument :
BNA_G
ClientSampleId :
C0B31

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.6	25.0
125	3.1	2.7	4.1

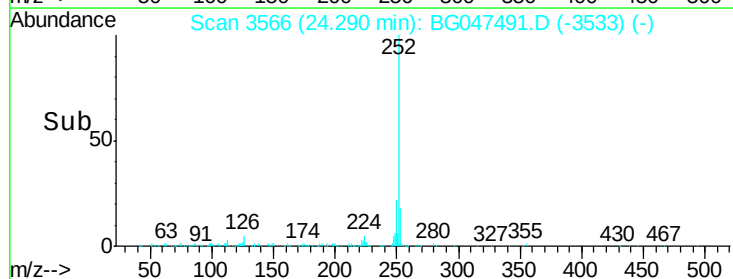
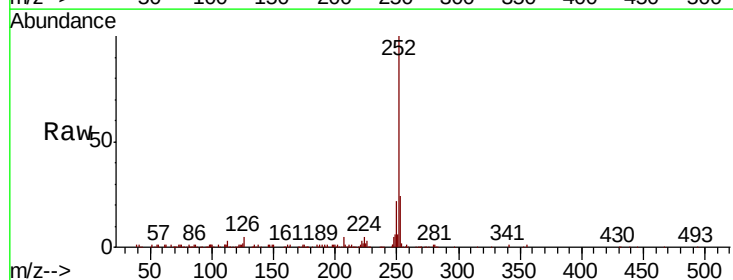
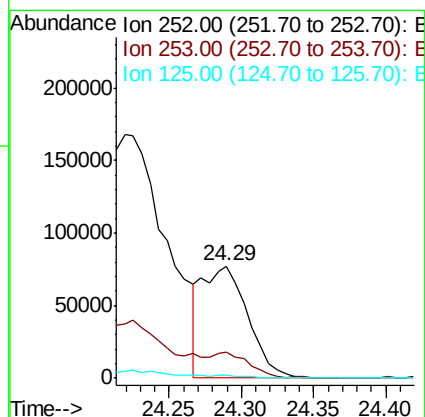
Manual Integrations
APPROVED

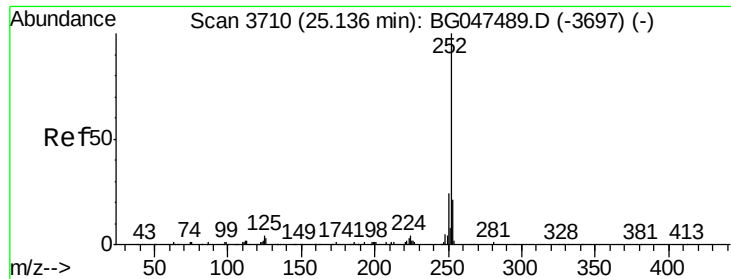
mohammad
12/2/2020 2:25:41 PM



#89
Benzo(k)fluoranthene
Concen: 11.112 ng/ul m
RT: 24.29 min Scan# 3566
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	2.1	2.2	3.2#





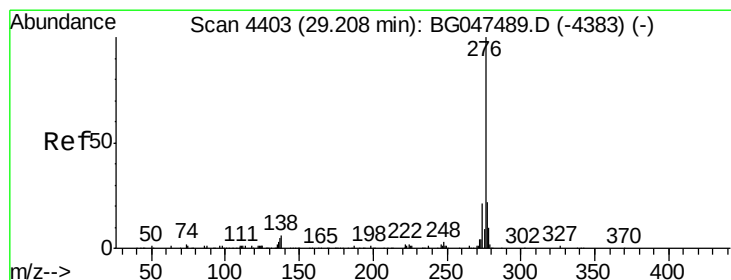
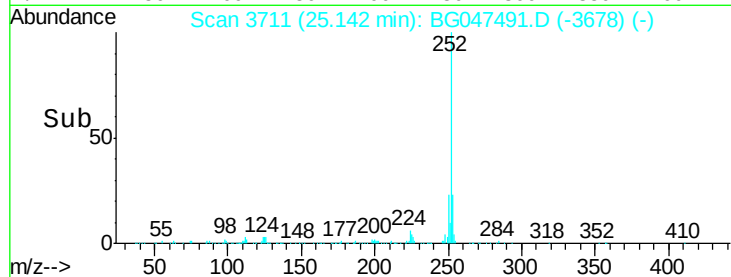
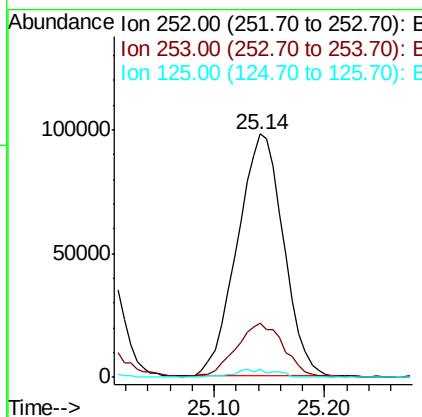
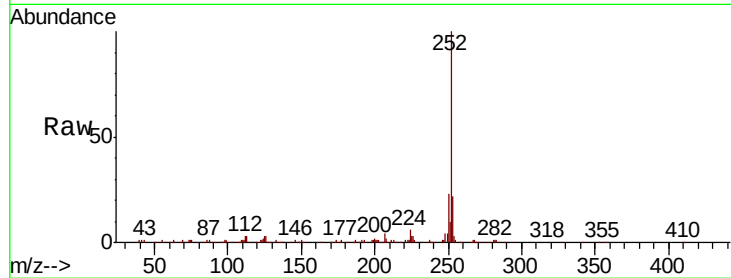
#91
Benzo(a)pyrene
Concen: 20.829 ng/ul
RT: 25.14 min Scan# 3711
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Instrument :
BNA_G
ClientSampleId :
C0B31

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	3.3	3.1	4.7

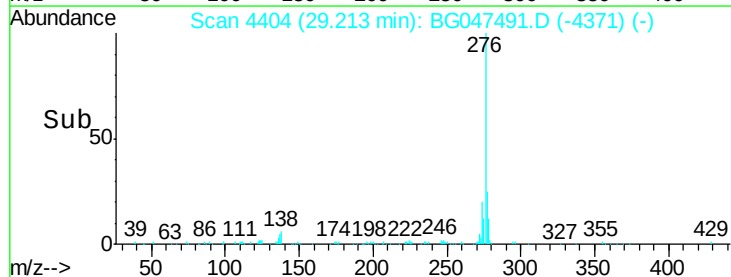
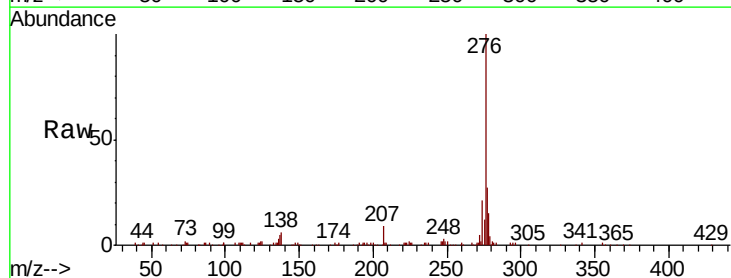
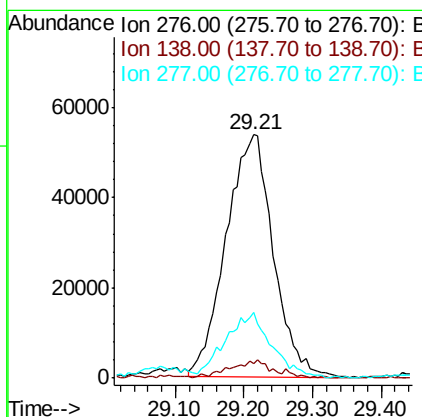
Manual Integrations
APPROVED

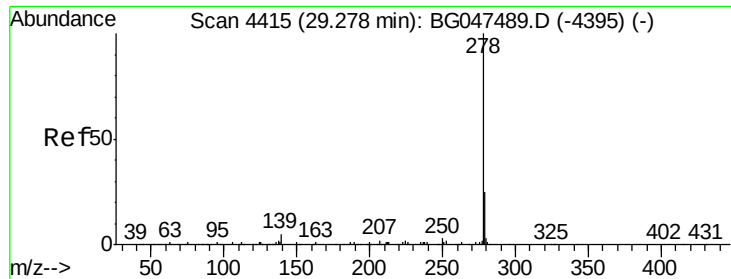
mohammad
12/2/2020 2:25:41 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 15.338 ng/ul
RT: 29.21 min Scan# 4404
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.9	5.0	7.6
277	26.8	16.5	24.7





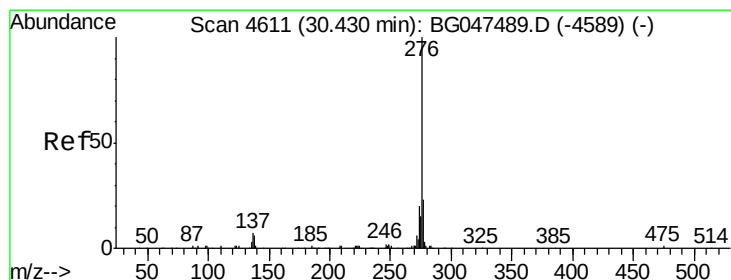
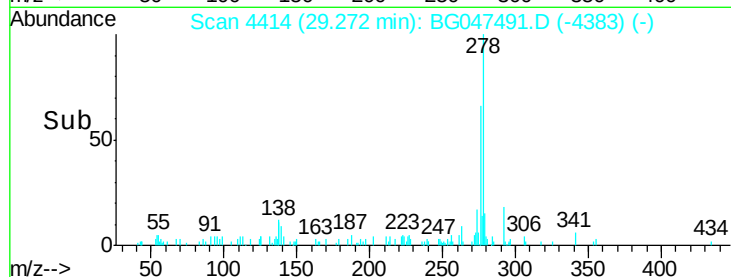
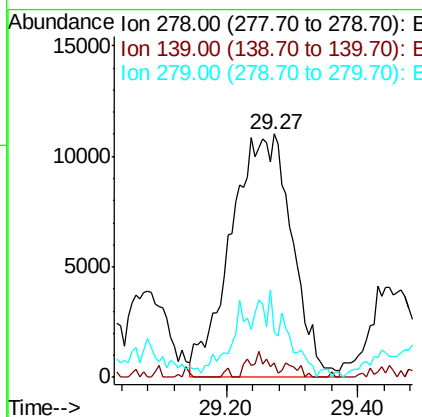
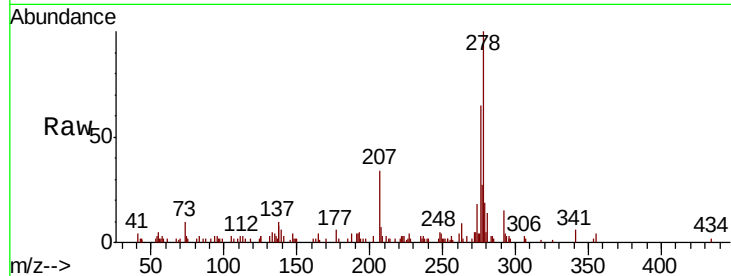
#93
Dibenzo(a,h)anthracene
Concen: 5.197 ng/ul m
RT: 29.27 min Scan# 4414
Delta R.T. -0.02 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Instrument :
BNA_G
ClientSampleId :
C0B31

Tot Ion	Ratio	Lower	Upper
278	100		
139	6.0	4.6	7.0
279	18.5	18.2	27.2

Manual Integrations
APPROVED

mohammad
12/2/2020 2:25:41 PM



#94
Benzo(g,h,i)perylene
Concen: 14.839 ng/ul
RT: 30.44 min Scan# 4613
Delta R.T. -0.01 min
Lab File: BG047491.D
Acq: 1 Dec 2020 9:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.0	5.8	8.6
277	23.2	17.4	26.2

