

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047463.D
 Acq On : 25 Nov 2020 2:14
 Operator : CG/JU
 Sample : L4749-21DL 2X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 C0B47DL

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:49:06 PM

Quant Time: Nov 25 04:20:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	42468	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	168162	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	123501	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	273456	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	238098	20.00	ng/ul	0.00
86) Perylene-d12	25.30	264	257720	20.00	ng/ul	0.00

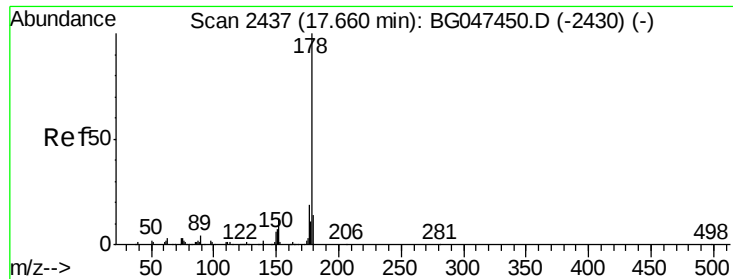
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	969	0.83	ng/uL	0.00
5) Phenol-d5	7.41	99	26258	6.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	14668	6.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	20159	7.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	19957	6.10	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	8725	6.28	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	11485	7.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	25572	7.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	18484	5.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	76984	7.26	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	95556	7.80	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	9174	5.67	ng/ul	0.00
58) Fluorene-d10	15.87	176	71676	7.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	3670	2.36	ng/ul	0.00
71) Anthracene-d10	17.72	188	102217	7.54	ng/ul	0.00
79) Pyrene-d10	19.98	212	114201	8.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	112858	7.61	ng/ul	0.00

Target Compounds

					Ovalue	
70) Phenanthrene	17.66	178	263381	17.836	ng/ul	97
72) Anthracene	17.75	178	45807	3.080	ng/ul	98
75) Carbazole	18.01	167	23651	1.971	ng/ul	97
77) Fluoranthene	19.66	202	953916	51.149	ng/ul	99
80) Pyrene	20.01	202	749483	44.438	ng/ul	98
83) Benzo(a)anthracene	21.88	228	442910	26.144	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.76	149	10893	1.319	ng/ul#	95
85) Chrysene	21.95	228	492738	30.564	ng/ul	96
88) Benzo(b)fluoranthene	24.23	252	681300	37.441	ng/ul#	96
89) Benzo(k)fluoranthene	24.29	252	236028m	13.162	ng/ul	
91) Benzo(a)pyrene	25.15	252	441492m	27.217	ng/ul	
92) Indeno(1,2,3-cd)pyrene	29.21	276	296702	15.037	ng/ul	96
93) Dibenzo(a,h)anthracene	29.26	278	76713m	4.742	ng/ul	
94) Benzo(g,h,i)perylene	30.45	276	221313	13.593	ng/ul#	98

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



#70

Phenanthrene

Concen: 17.836 ng/ul

RT: 17.66 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

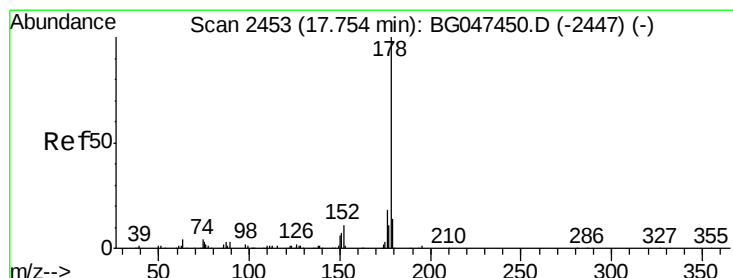
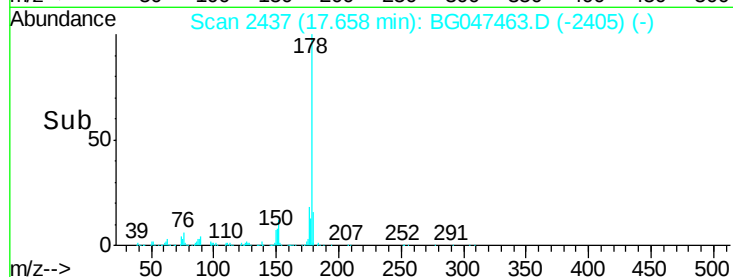
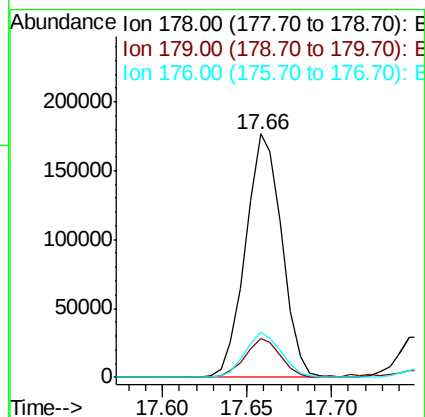
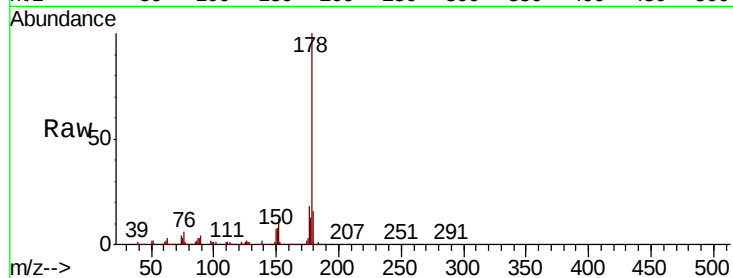
ClientSampleId :

C0B47DL

Tot Ion:	178	Resp:	263381
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.8	17.6
176	18.4	13.9	20.9

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:06 PM



#72

Anthracene

Concen: 3.080 ng/ul

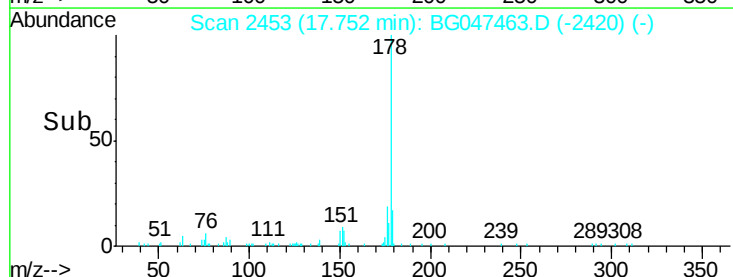
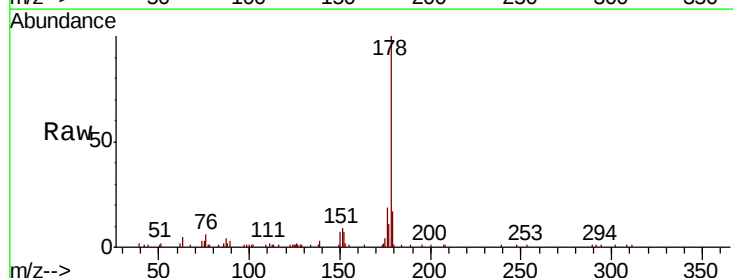
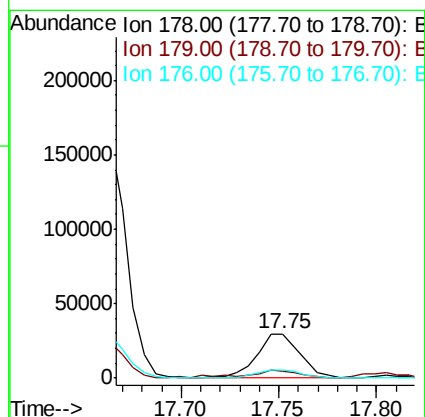
RT: 17.75 min Scan# 2453

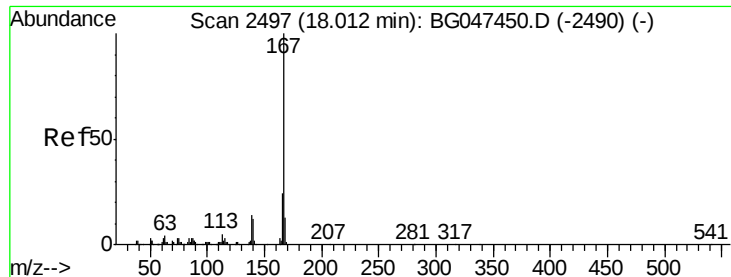
Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Tgt Ion:	178	Resp:	45807
Ion Ratio	Lower	Upper	
178	100		
179	16.7	11.7	17.5
176	19.4	15.4	23.0





#75

Carbazole

Concen: 1.971 ng/ul

RT: 18.01 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

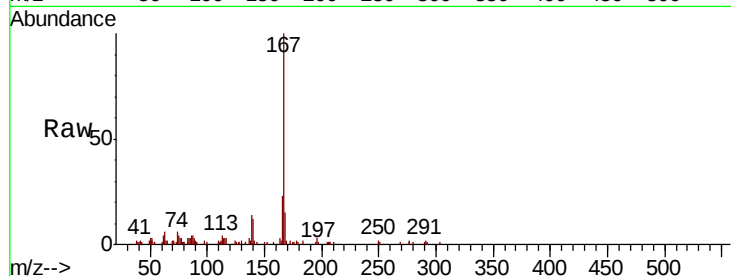
ClientSampleId :

C0B47DL

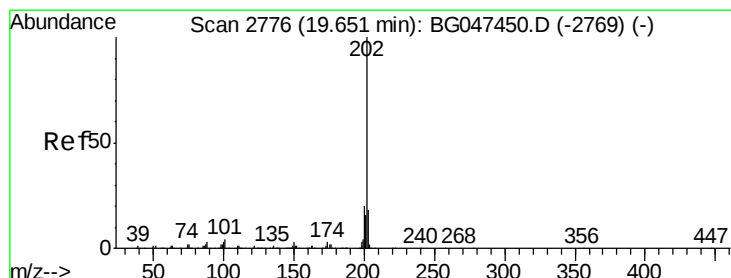
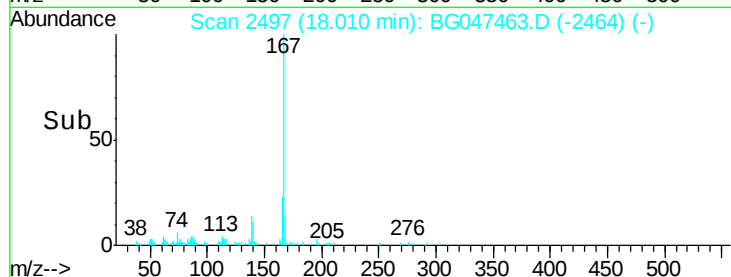
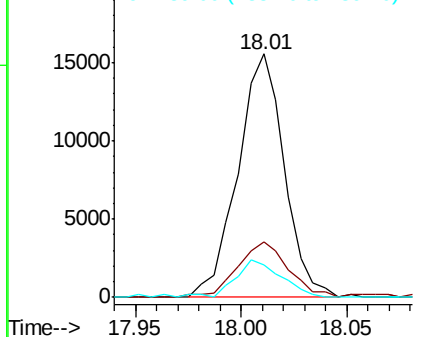
Tot Ion:	167	Resp:	23651
Ion Ratio	Lower	Upper	
167	100		
166	22.6	19.2	28.8
139	13.5	10.0	15.0

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:06 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 51.149 ng/ul

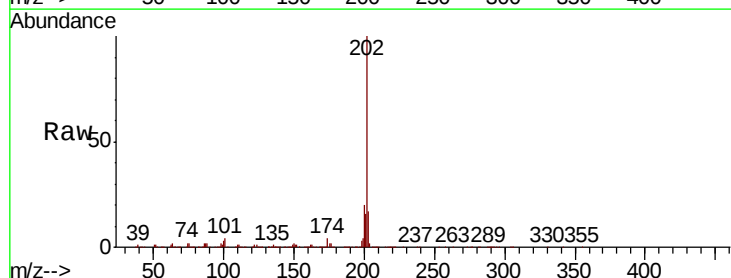
RT: 19.66 min Scan# 2777

Delta R.T. 0.00 min

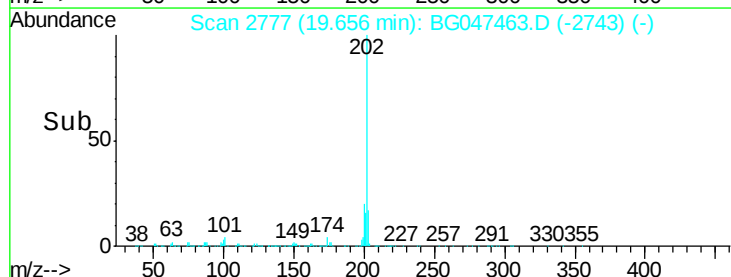
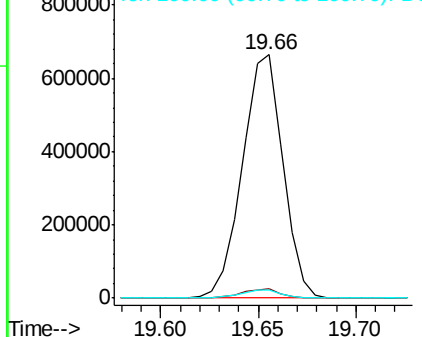
Lab File: BG047463.D

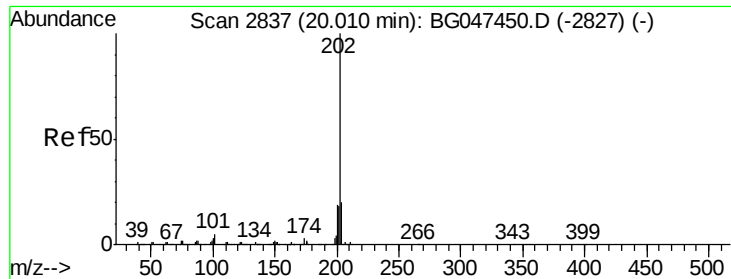
Acq: 25 Nov 2020 2:14

Tgt Ion:	202	Resp:	953916
Ion Ratio	Lower	Upper	
202	100		
101	3.8	3.0	4.6
100	3.2	3.0	4.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





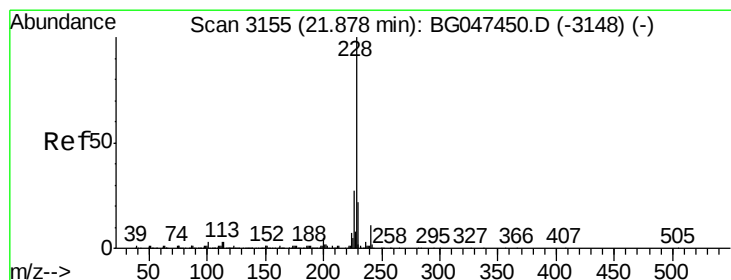
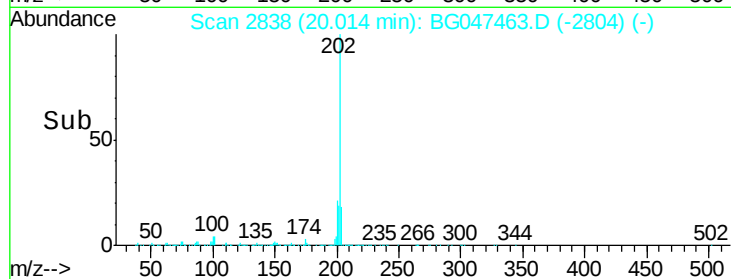
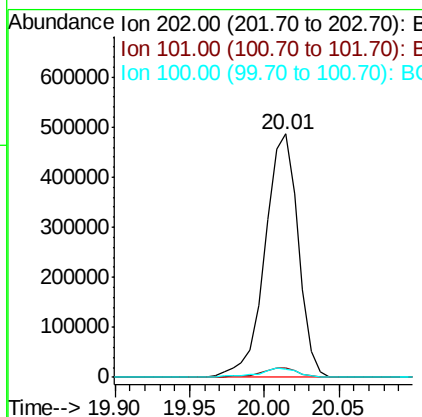
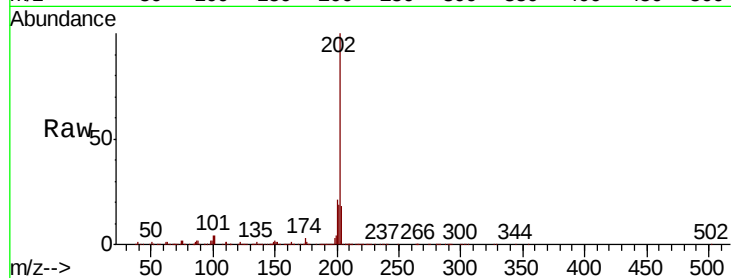
#80
Pvrene
Concen: 44.438 ng/ul
RT: 20.01 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG047463.D
Acq: 25 Nov 2020 2:14

Instrument :
BNA_G
ClientSampleId :
C0B47DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	3.7	3.5	5.3
100	3.5	3.4	5.0

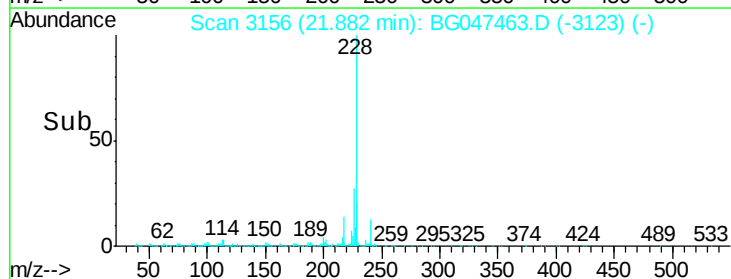
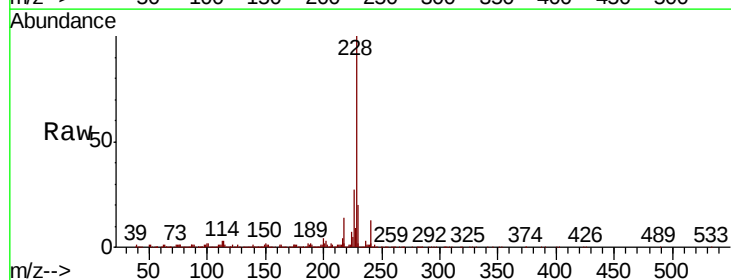
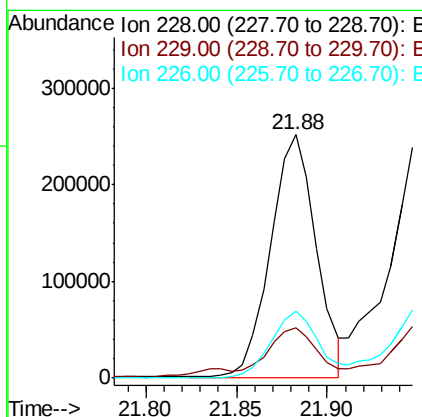
Manual Integrations
APPROVED

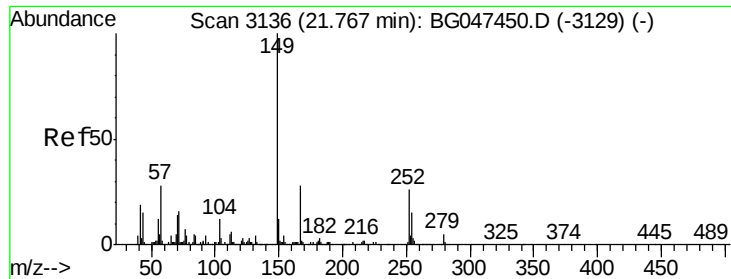
mohammad
11/25/2020 12:49:06 PM



#83
Benzo(a)anthracene
Concen: 26.144 ng/ul
RT: 21.88 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG047463.D
Acq: 25 Nov 2020 2:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.6	23.4
226	27.4	21.7	32.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.319 ng/ul

RT: 21.76 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

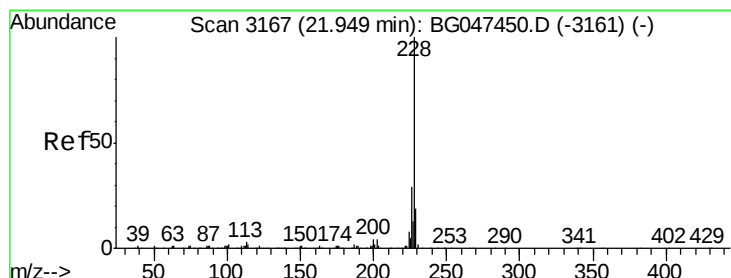
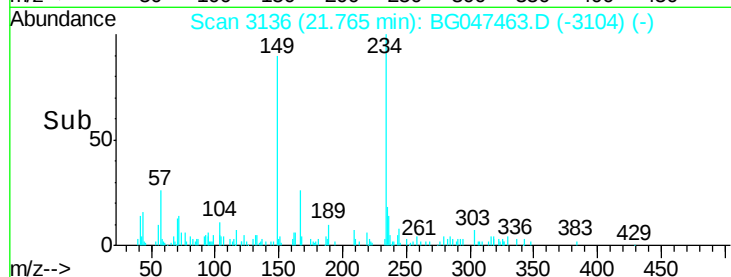
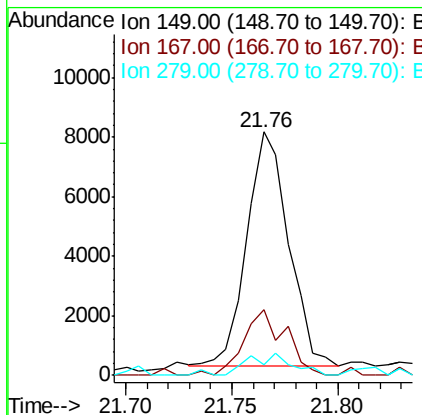
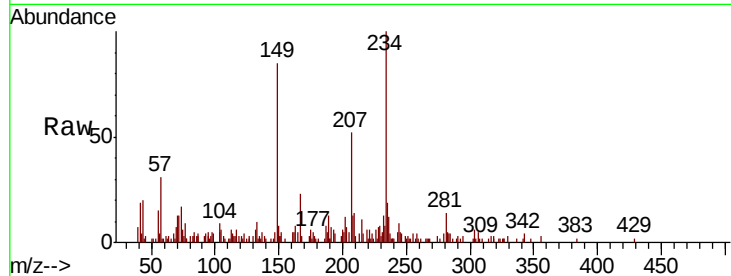
ClientSampleID :

C0B47DL

Tot Ion:	149	Resp:	10893
Ion Ratio	Lower	Upper	
149	100		
167	27.1	23.4	35.2
279	4.5	5.9	8.9#

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:06 PM



#85

Chrysene

Concen: 30.564 ng/ul

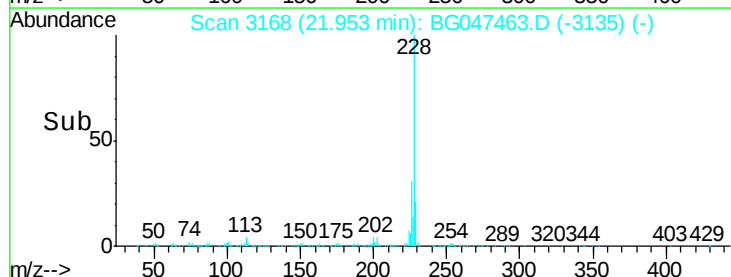
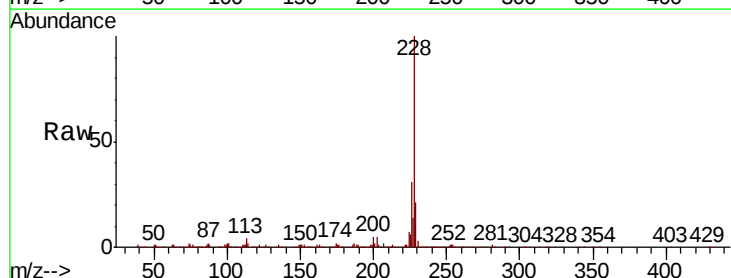
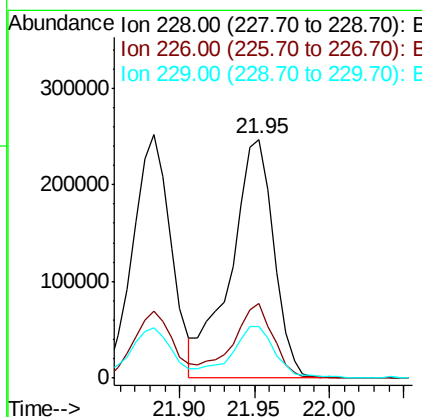
RT: 21.95 min Scan# 3168

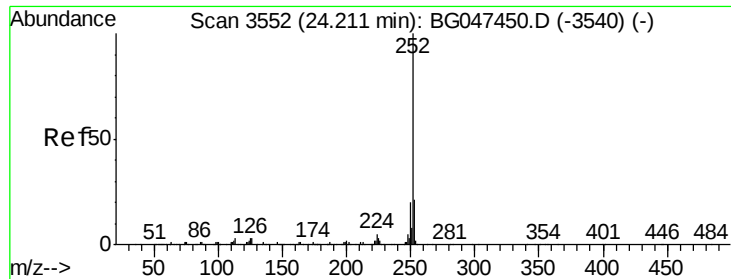
Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Tgt Ion:	228	Resp:	492738
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.3	33.5
229	21.5	16.5	24.7





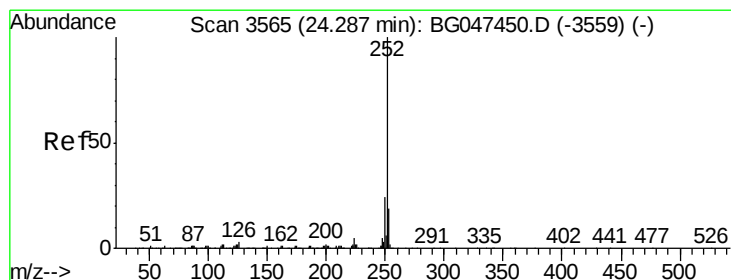
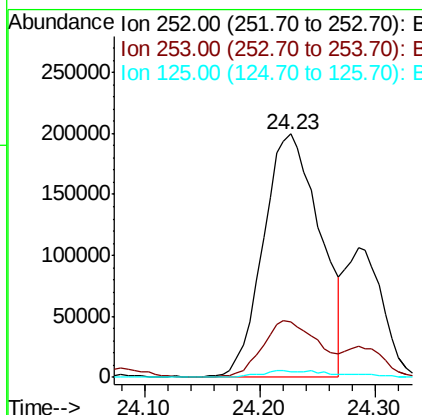
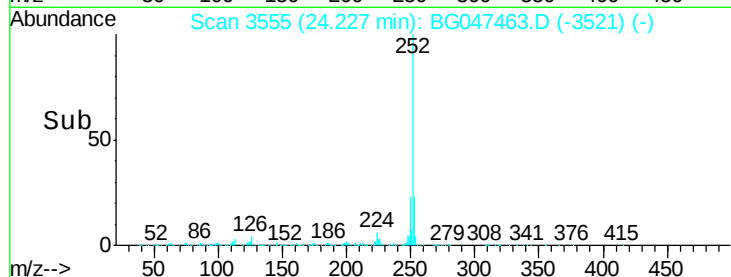
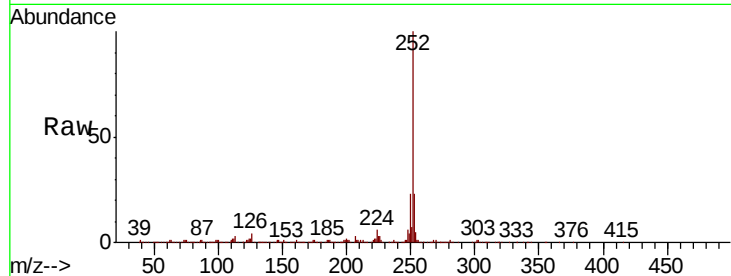
#88
Benzo(b)fluoranthene
Concen: 37.441 ng/ul
RT: 24.23 min Scan# 3555
Delta R.T. 0.00 min
Lab File: BG047463.D
Acq: 25 Nov 2020 2:14

Instrument :
BNA_G
ClientSampled :
C0B47DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.6	25.0
125	2.4	2.7	4.1

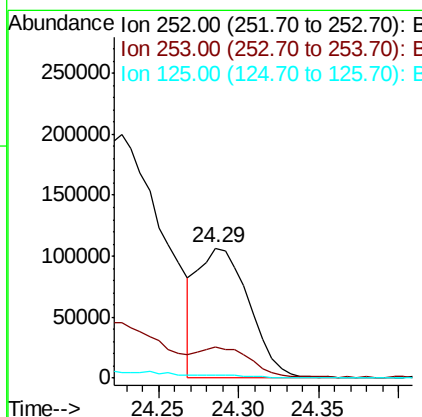
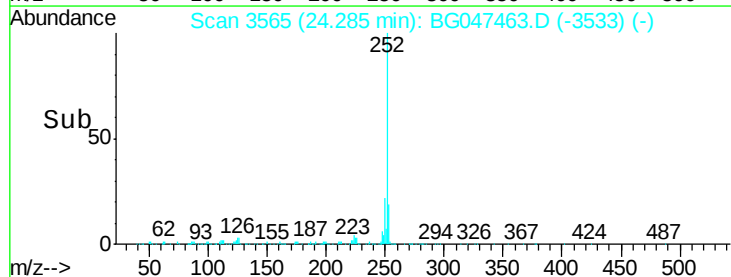
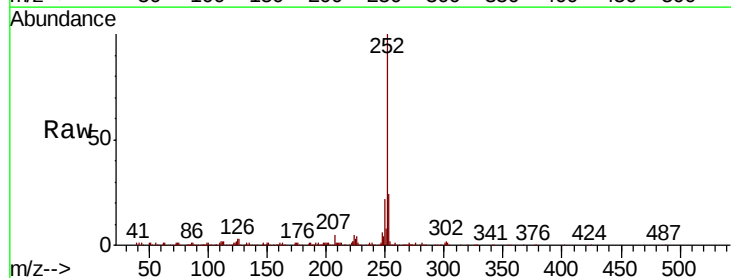
Manual Integrations
APPROVED

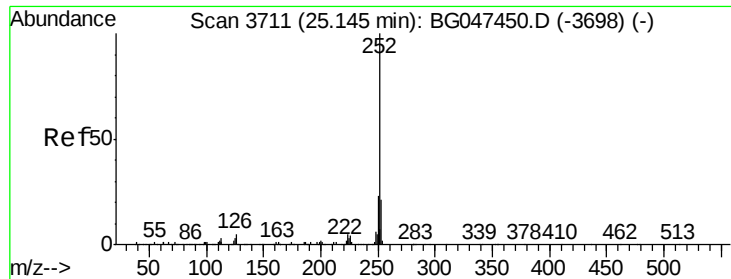
mohammad
11/25/2020 12:49:06 PM



#89
Benzo(k)fluoranthene
Concen: 13.162 ng/ul m
RT: 24.29 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG047463.D
Acq: 25 Nov 2020 2:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	2.5	2.2	3.2





#91

Benzo(a)pyrene

Concen: 27.217 ng/ul m

RT: 25.15 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

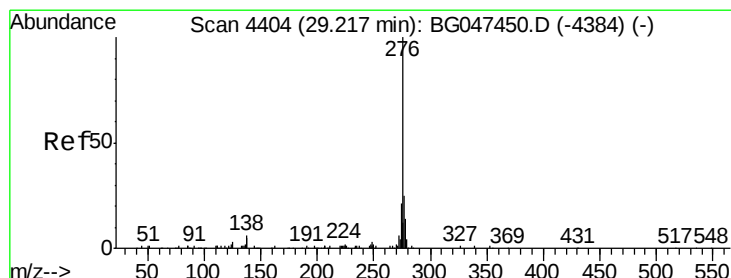
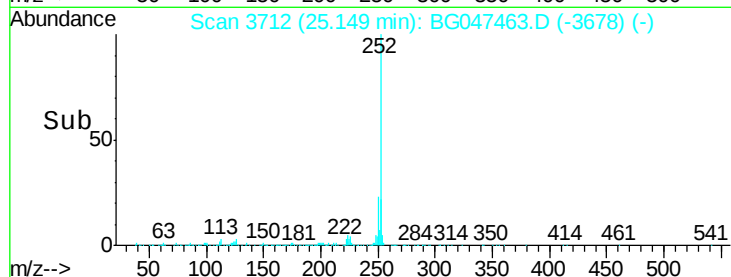
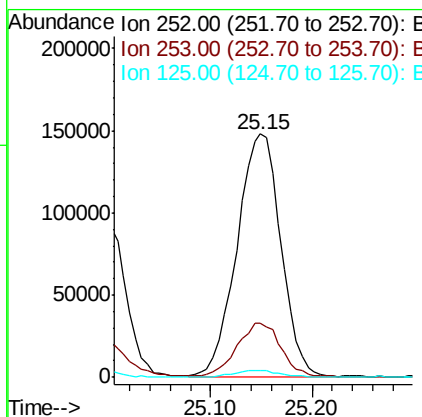
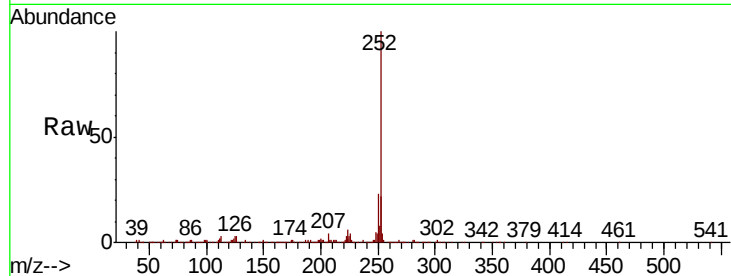
ClientSampleId :

C0B47DL

Tot Ion:	252	Resp:	441492
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.6	27.8
125	2.6	3.1	4.7#

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:06 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 15.037 ng/ul

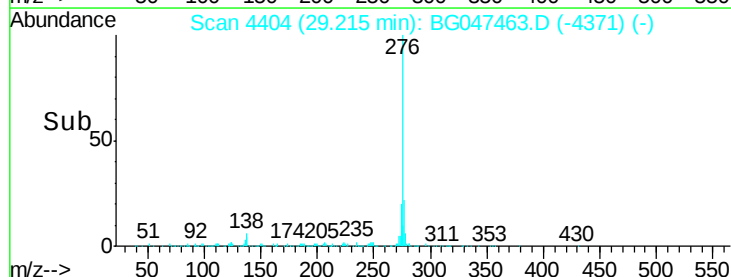
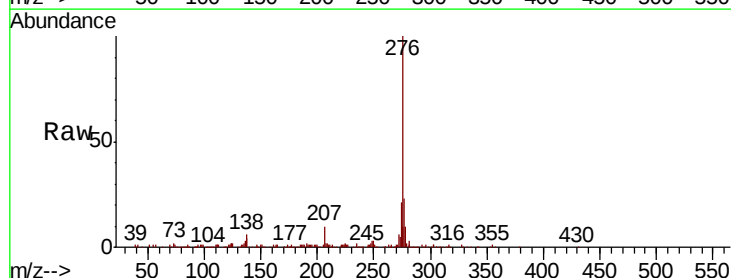
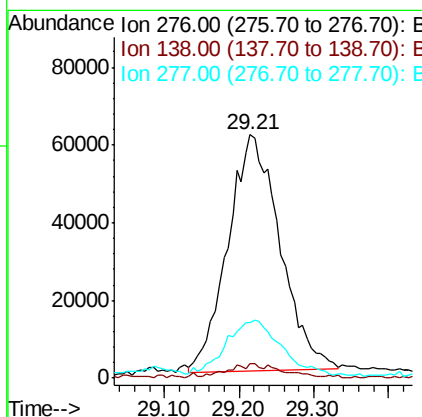
RT: 29.21 min Scan# 4404

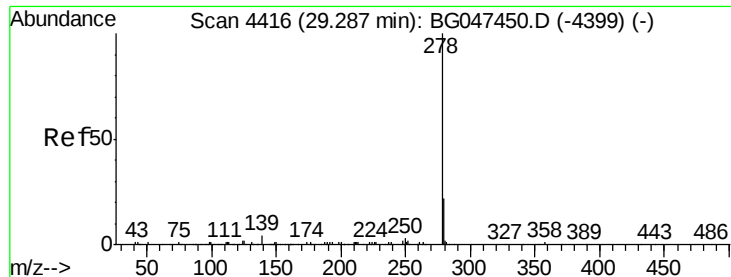
Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Tgt Ion:	276	Resp:	296702
Ion Ratio	Lower	Upper	
276	100		
138	5.7	5.0	7.6
277	22.8	16.5	24.7





#93

Dibenzo(a,h)anthracene

Concen: 4.742 ng/ul m

RT: 29.26 min Scan# 4412

Delta R.T. -0.03 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

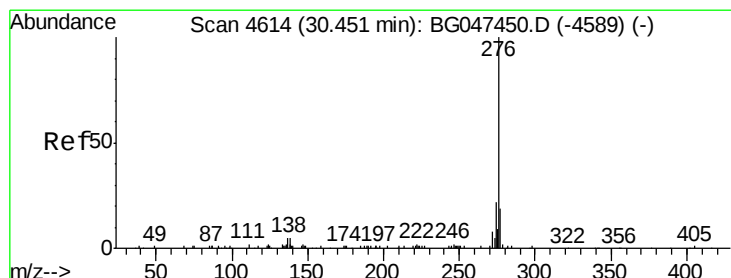
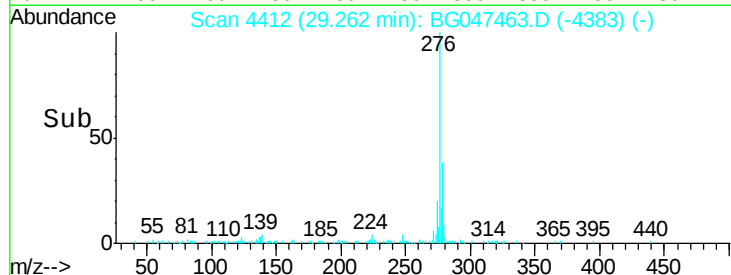
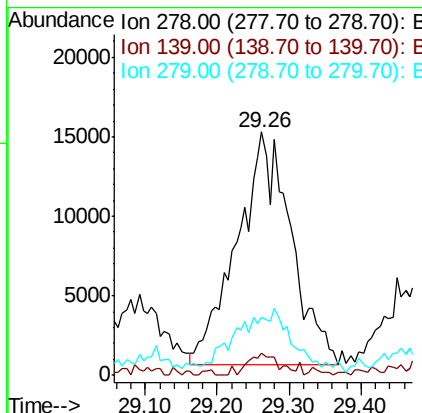
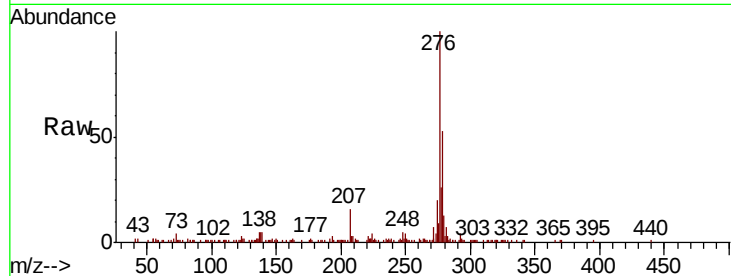
ClientSampled :

C0B47DL

Tot Ion:	278	Resp:	76713
Ion Ratio	Lower	Upper	
278	100		
139	8.9	4.6	7.0#
279	24.0	18.2	27.2

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:06 PM



#94

Benzo(g,h,i)perylene

Concen: 13.593 ng/ul

RT: 30.45 min Scan# 4614

Delta R.T. 0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Tgt Ion:	276	Resp:	221313
Ion Ratio	Lower	Upper	
276	100		
138	5.0	5.8	8.6#
277	21.3	17.4	26.2

