

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
 Data File : BG047823.D
 Acq On : 24 Dec 2020 8:04
 Operator : CG/JU
 Sample : L5149-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB897

Manual Integrations
 APPROVED

mohammad
 12/28/2020 1:35:52 PM

Quant Time: Dec 24 08:46:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 05:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	74066	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	257683	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.82	164	188250	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	430815	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	380081	20.00	ng/ul	0.00
86) Perylene-d12	25.19	264	386124	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	4936	3.55	ng/uL	0.00
5) Phenol-d5	7.34	99	121648	19.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.51	67	62069	19.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	91969	19.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	94975	18.88	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	44990	21.41	ng/ul	0.00
22) 2-Nitrophenol-d4	10.10	143	57447	22.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	108649	19.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	120153	23.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.21	166	322432	19.72	ng/ul	0.00
47) Acenaphthylene-d8	14.52	160	408791	21.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	44188	18.22	ng/ul	0.00
58) Fluorene-d10	15.81	176	295923	19.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	54943	18.84	ng/ul	0.00
71) Anthracene-d10	17.66	188	436277m	20.30	ng/ul	0.00
79) Pyrene-d10	19.93	212	463908	20.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.96	264	469046	20.80	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.07	128	50912	3.543	ng/ul#	94
34) 2-Methylnaphthalene	12.67	142	22240	2.009	ng/ul	98
50) Acenaphthene	14.89	153	24671	2.015	ng/ul	98
54) Dibenzofuran	15.22	168	37954	2.124	ng/ul	96
59) Fluorene	15.86	166	37859	2.478	ng/ul	96
70) Phenanthrene	17.60	178	482163	20.649	ng/ul	98
72) Anthracene	17.69	178	119535	5.136	ng/ul	99
75) Carbazole	17.95	167	27424	1.477	ng/ul	97
77) Fluoranthene	19.60	202	646487	21.759	ng/ul	99
80) Pyrene	19.96	202	509900	18.446	ng/ul#	98
83) Benzo(a)anthracene	21.81	228	275515	10.146	ng/ul	99
85) Chrysene	21.88	228	235065	9.172	ng/ul	98
88) Benzo(b)fluoranthene	24.12	252	299515	11.112	ng/ul	93
89) Benzo(k)fluoranthene	24.18	252	88891	3.328	ng/ul	100
91) Benzo(a)pyrene	25.03	252	178164m	7.330	ng/ul	
92) Indeno(1,2,3-cd)pyrene	29.02	276	106871m	3.605	ng/ul	
93) Dibenzo(a,h)anthracene	29.08	278	31266m	1.258	ng/ul	
94) Benzo(g,h,i)perylene	30.22	276	88654m	3.643	ng/ul	

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

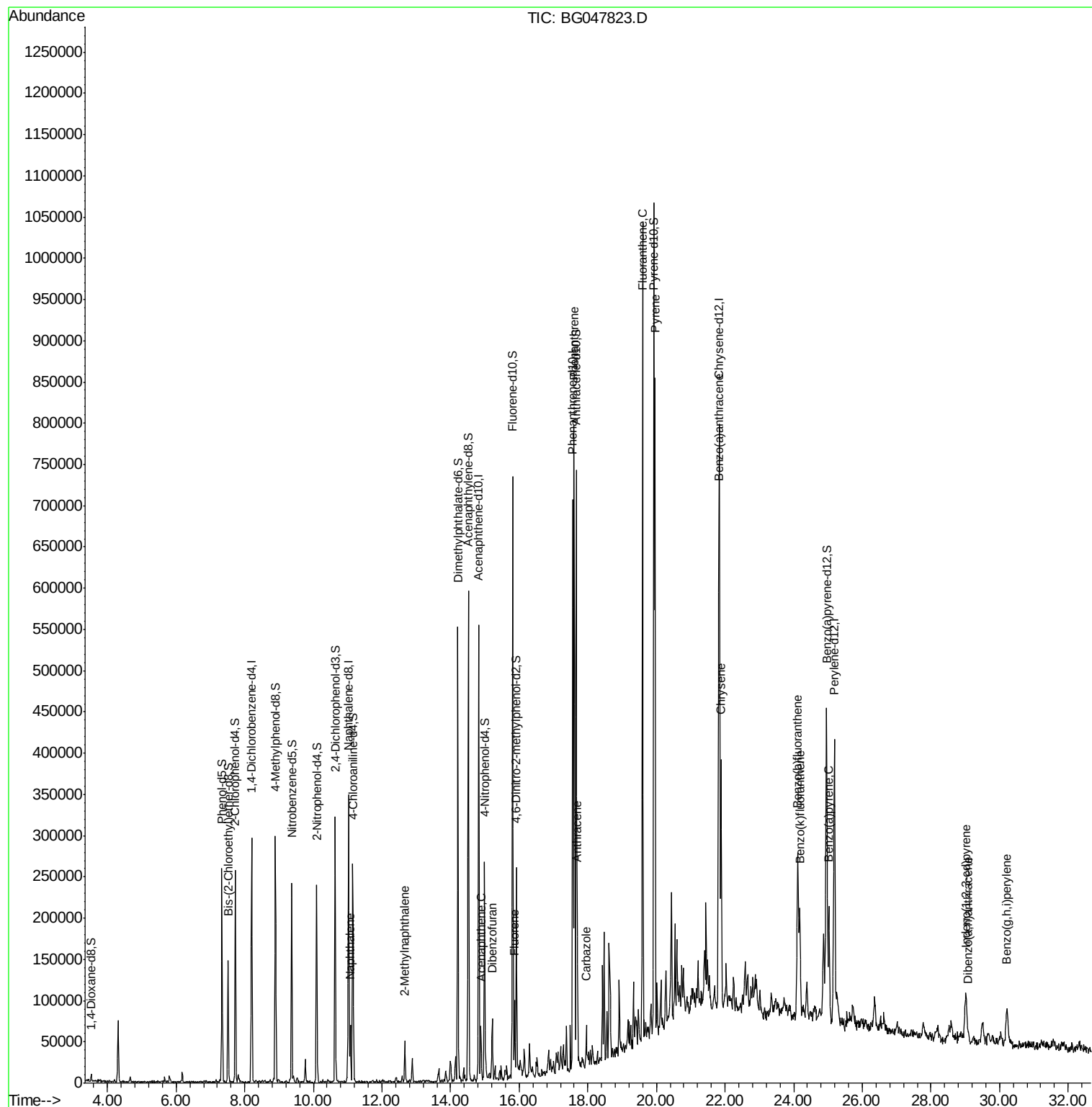
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
Data File : BG047823.D
Acq On : 24 Dec 2020 8:04
Operator : CG/JU
Sample : L5149-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

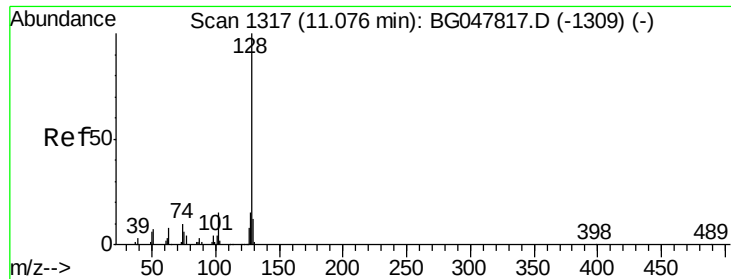
Instrument :
BNA_G
ClientSampled :
CB897

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM

Quant Time: Dec 24 08:46:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 05:11:26 2020
Response via : Initial Calibration





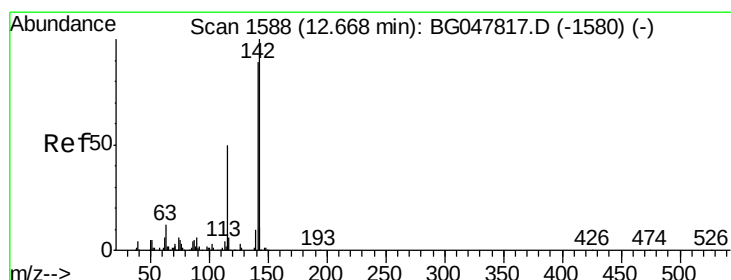
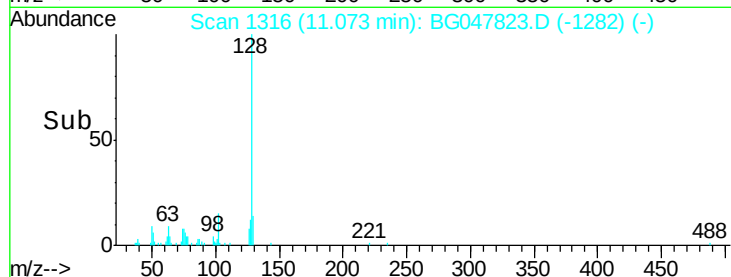
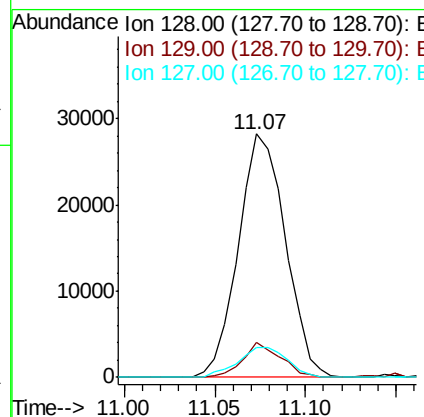
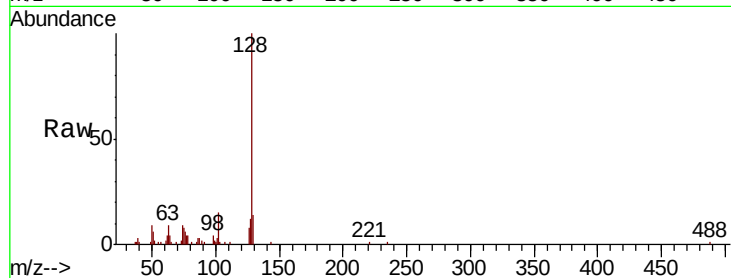
#28
Naphthalene
Concen: 3.543 ng/ul
RT: 11.07 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.3	8.6	13.0#
127	12.1	8.7	13.1

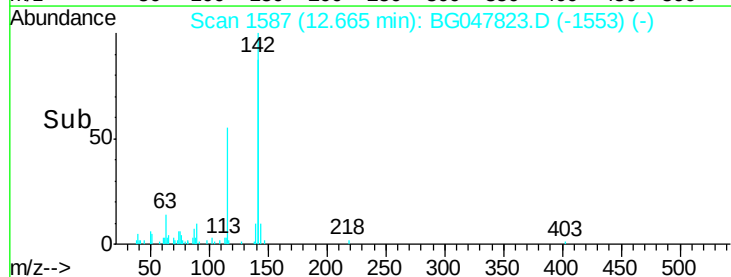
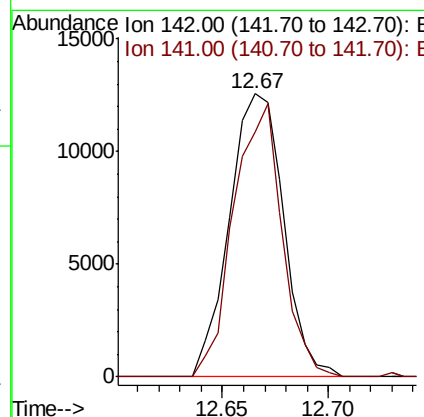
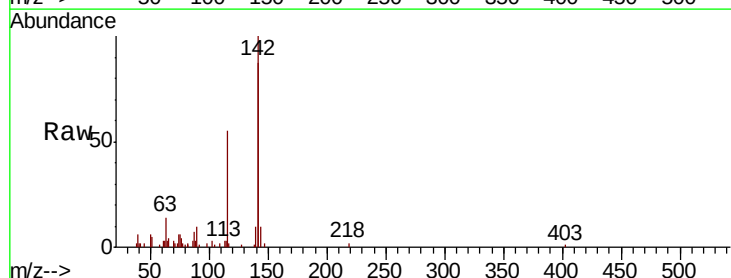
Manual Integrations
APPROVED

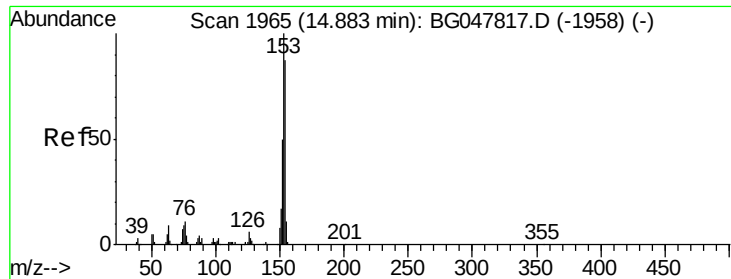
mohammad
12/28/2020 1:35:52 PM



#34
2-Methylnaphthalene
Concen: 2.009 ng/ul
RT: 12.67 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.9	106.3





#50

Acenaphthene

Concen: 2.015 ng/ul

RT: 14.89 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

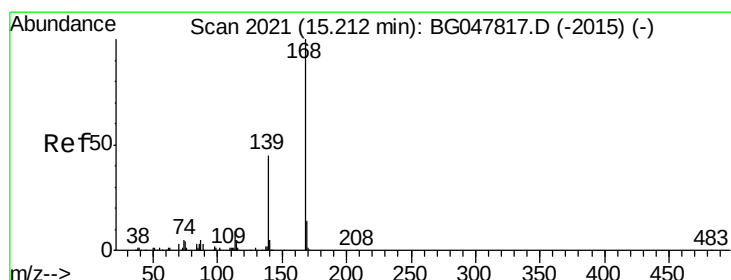
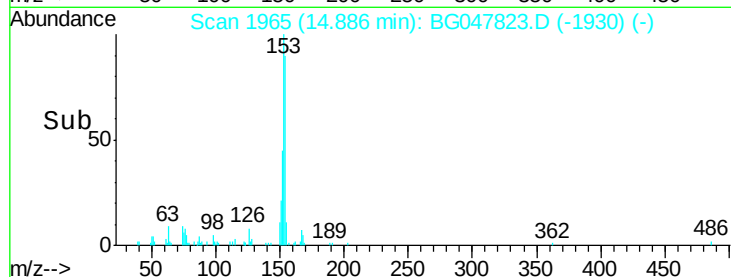
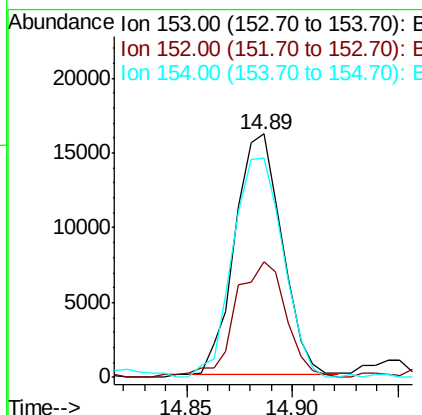
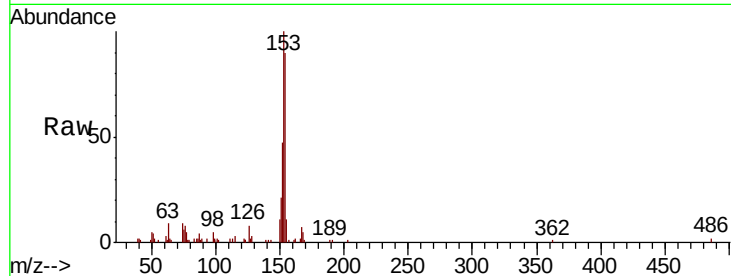
ClientSampleId :

CB897

Tot Ion:	153	Resp:	24671
Ion	Ratio	Lower	Upper
153	100		
152	47.4	38.2	57.4
154	90.2	73.8	110.6

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM



#54

Dibenzofuran

Concen: 2.124 ng/ul

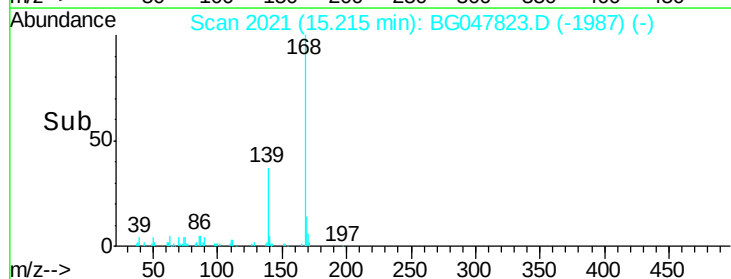
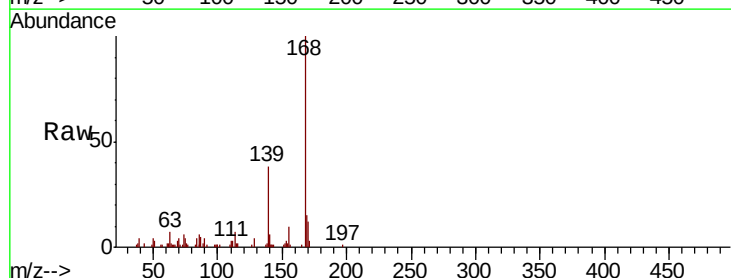
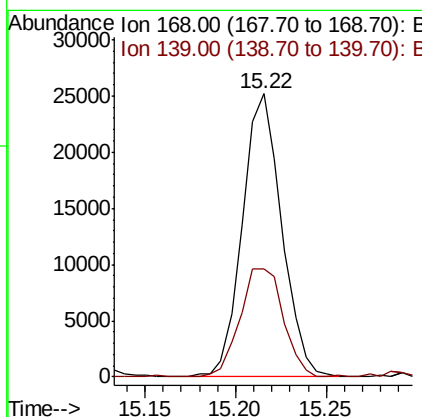
RT: 15.22 min Scan# 2021

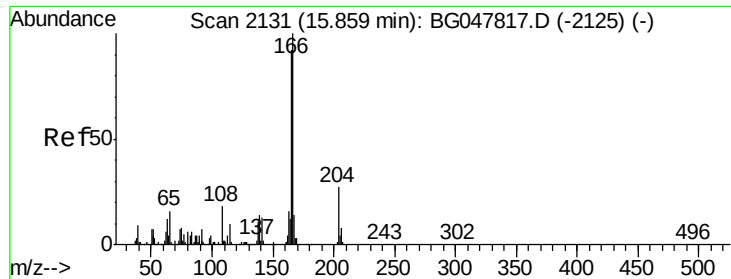
Delta R.T. -0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion:	168	Resp:	37954
Ion	Ratio	Lower	Upper
168	100		
139	38.0	32.3	48.5





#59

Fluorene

Concen: 2.478 ng/ul

RT: 15.86 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

ClientSampleId :

CB897

Tot Ion:166 Resp: 37859

Ion Ratio Lower Upper

166 100

165 97.6 81.8 122.6

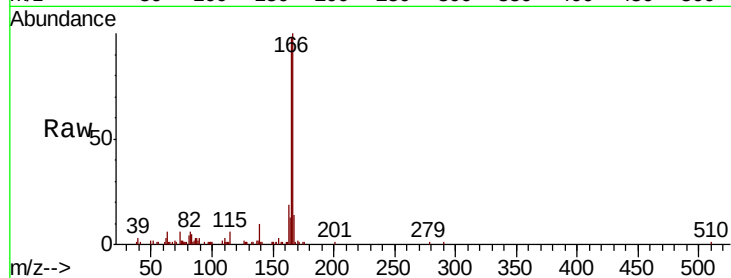
167 14.4 11.1 16.7

Manual Integrations

APPROVED

mohammad

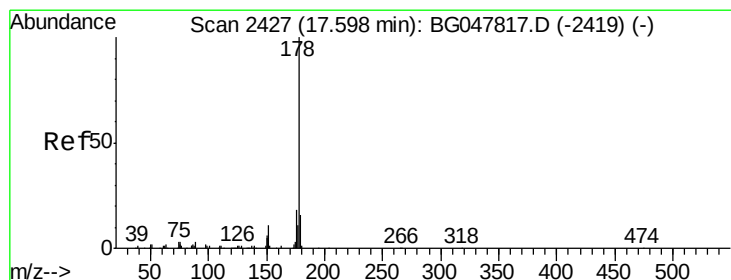
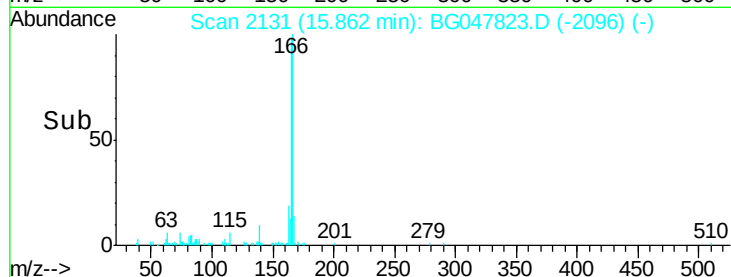
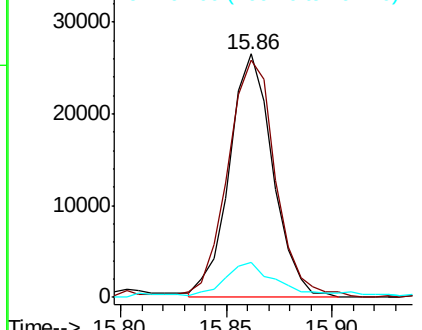
12/28/2020 1:35:52 PM



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



#70

Phenanthrene

Concen: 20.649 ng/ul

RT: 17.60 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion:178 Resp: 482163

Ion Ratio Lower Upper

178 100

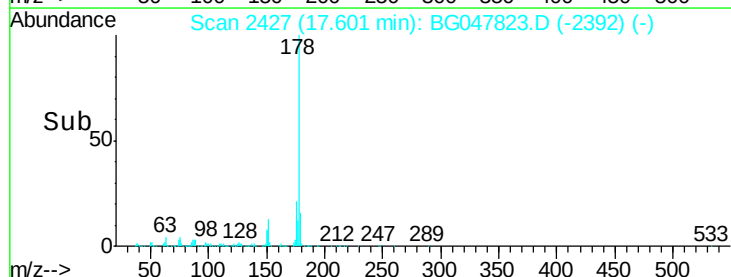
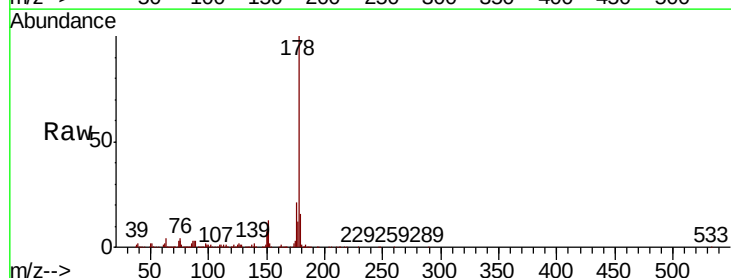
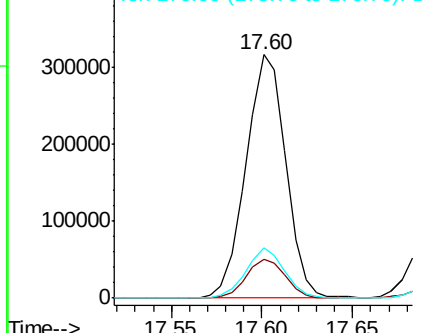
179 15.9 13.1 19.7

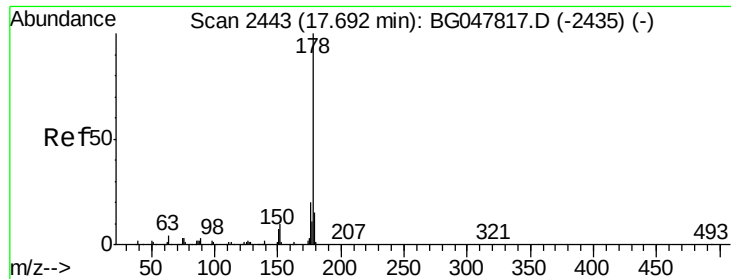
176 20.6 15.2 22.8

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





#72

Anthracene

Concen: 5.136 ng/ul

RT: 17.69 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

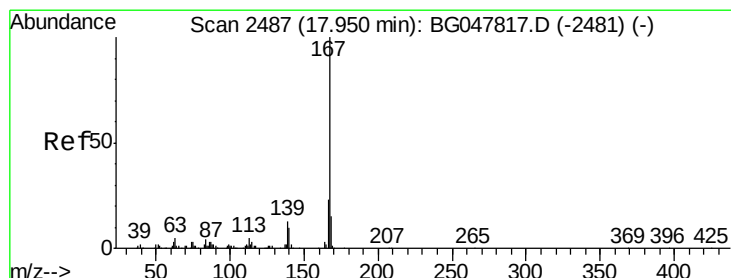
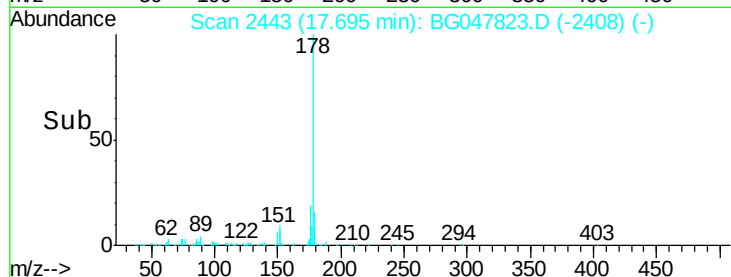
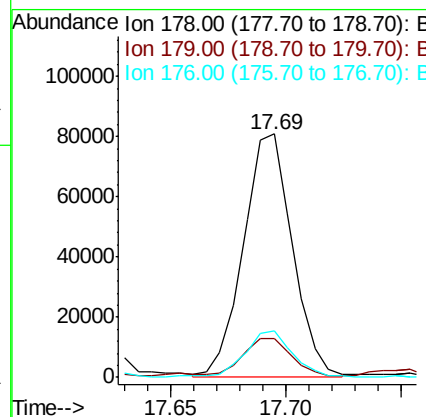
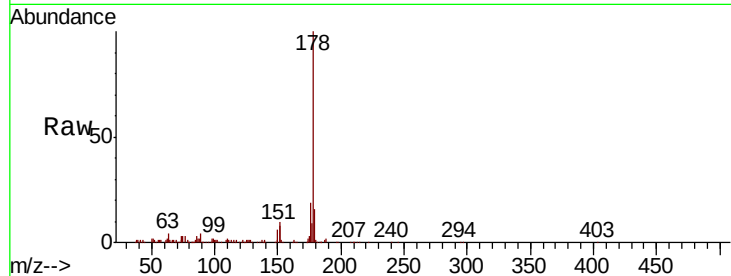
ClientSampled :

CB897

Tot Ion:	178	Resp:	119535
Ion Ratio	Lower	Upper	
178	100		
179	15.8	13.1	19.7
176	18.9	15.4	23.2

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM



#75

Carbazole

Concen: 1.477 ng/ul

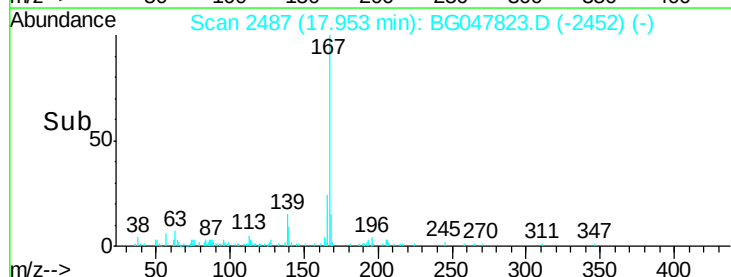
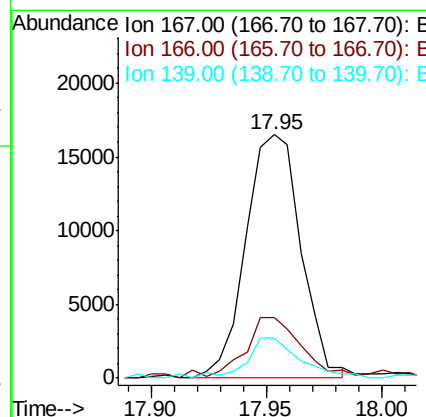
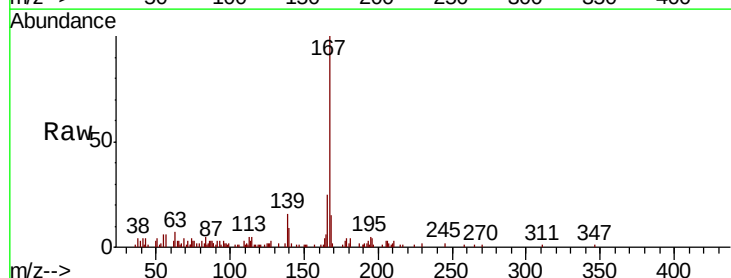
RT: 17.95 min Scan# 2487

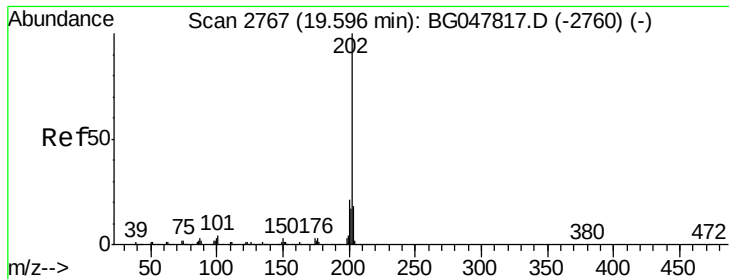
Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion:	167	Resp:	27424
Ion Ratio	Lower	Upper	
167	100		
166	25.0	19.4	29.0
139	16.3	11.0	16.6





#77

Fluoranthene

Concen: 21.759 ng/ul

RT: 19.60 min Scan# 2767

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

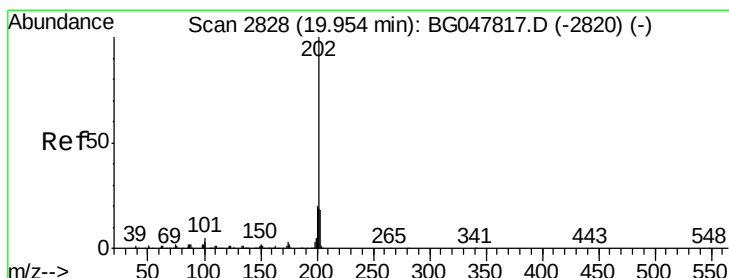
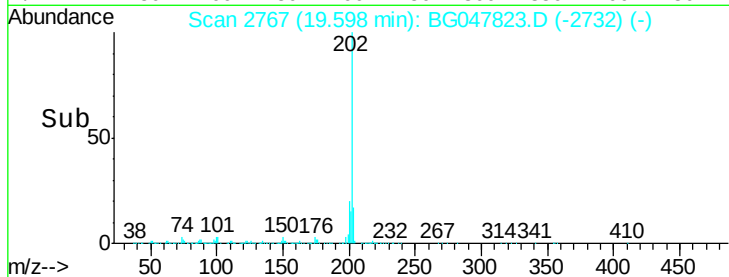
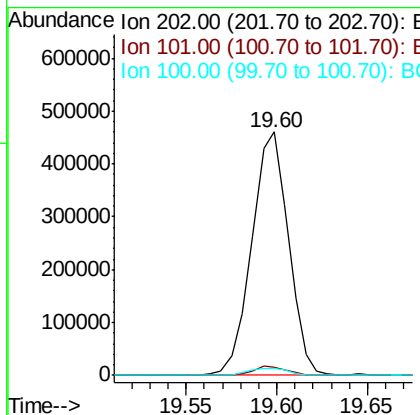
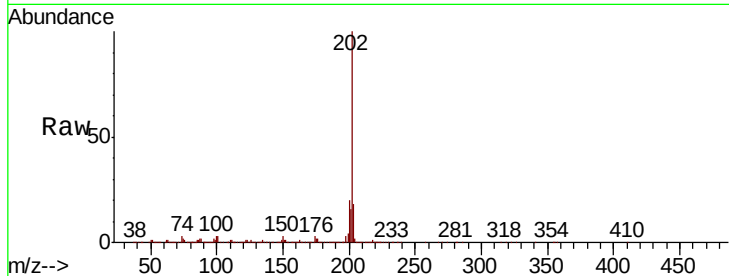
ClientSampleId :

CB897

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		646487		
101	3.4		2.8	4.2	
100	2.8		2.5	3.7	

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM



#80

Pyrene

Concen: 18.446 ng/ul

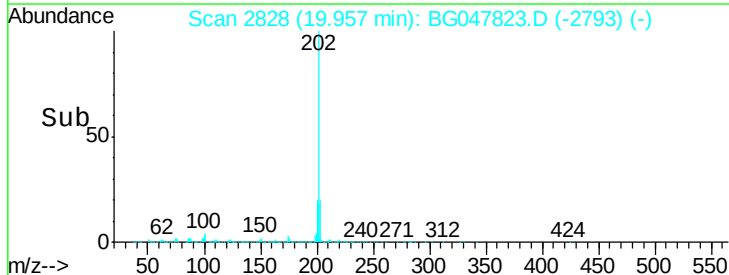
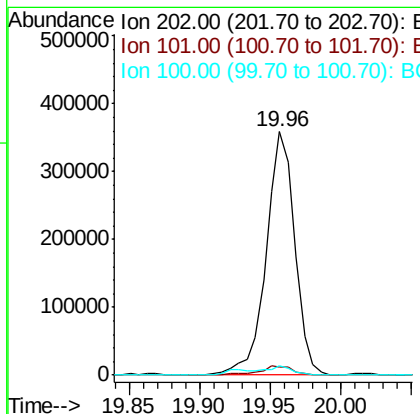
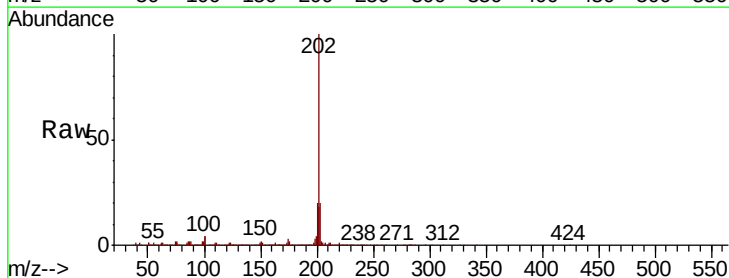
RT: 19.96 min Scan# 2828

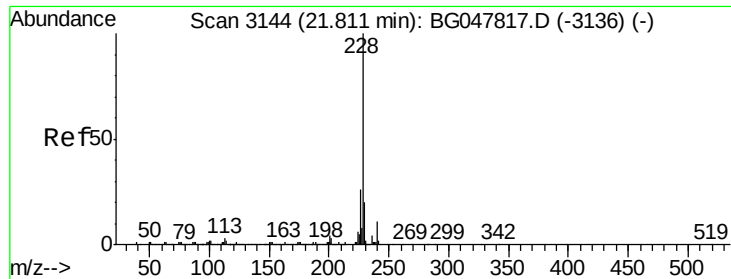
Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		509900		
101	3.5		3.7	5.5#	
100	3.7		2.7	4.1	





#83

Benzo(a)anthracene

Concen: 10.146 ng/ul

RT: 21.81 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

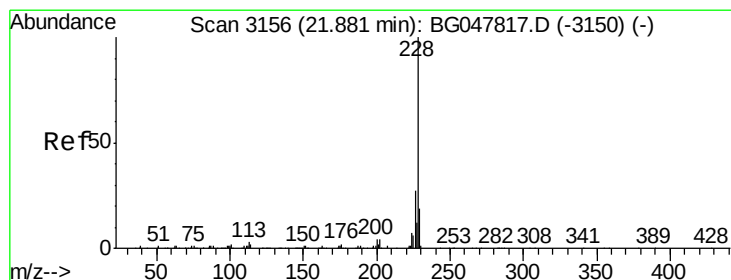
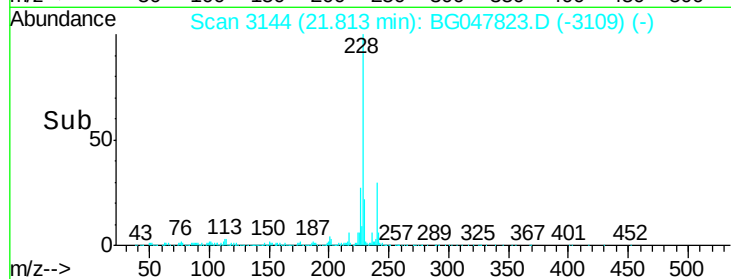
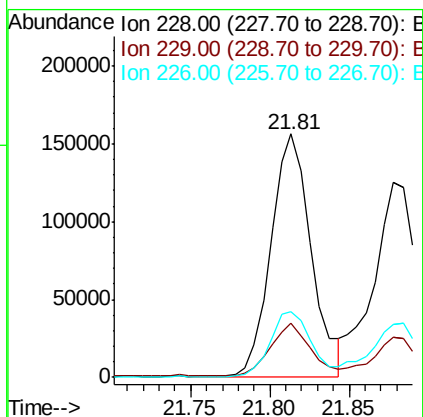
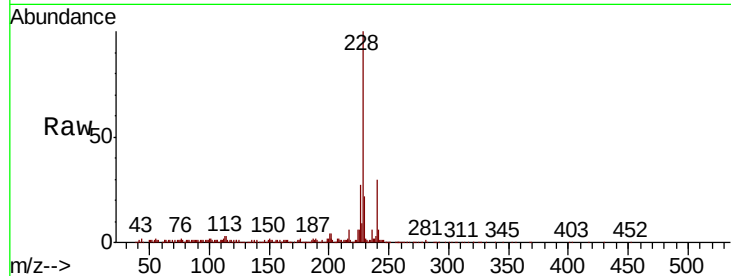
ClientSampled :

CB897

Tot Ion:	228	Resp:	275515
Ion Ratio	Lower	Upper	
228	100		
229	22.2	17.0	25.4
226	27.0	21.3	31.9

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM



#85

Chrysene

Concen: 9.172 ng/ul

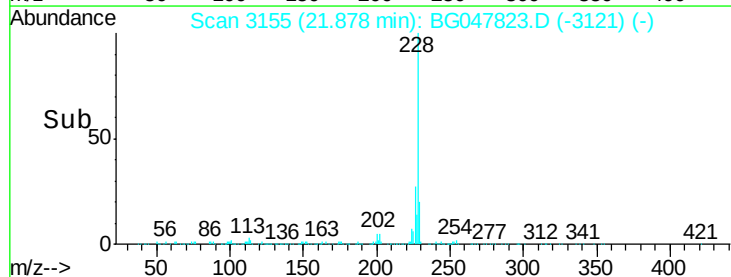
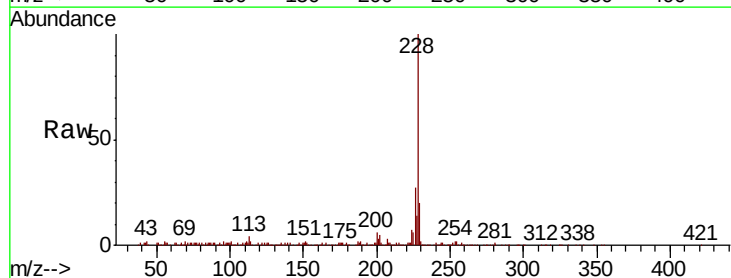
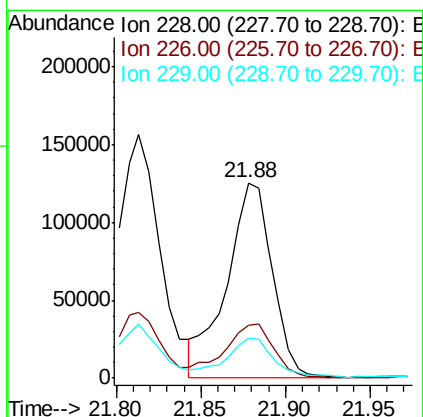
RT: 21.88 min Scan# 3155

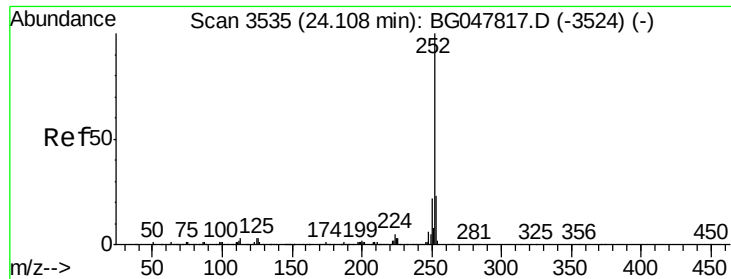
Delta R.T. -0.00 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion:	228	Resp:	235065
Ion Ratio	Lower	Upper	
228	100		
226	27.4	23.0	34.4
229	20.2	16.0	24.0





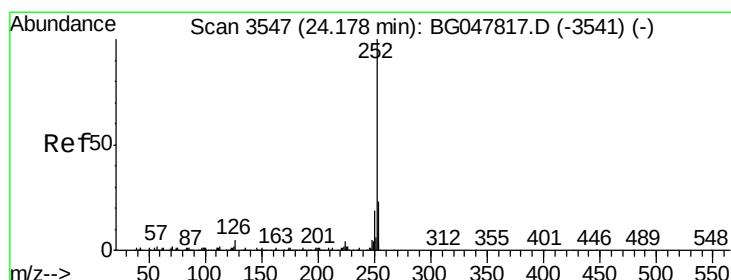
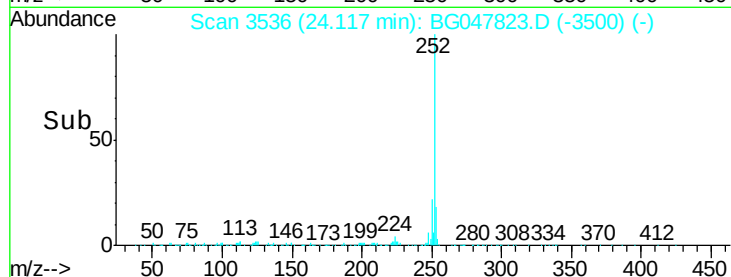
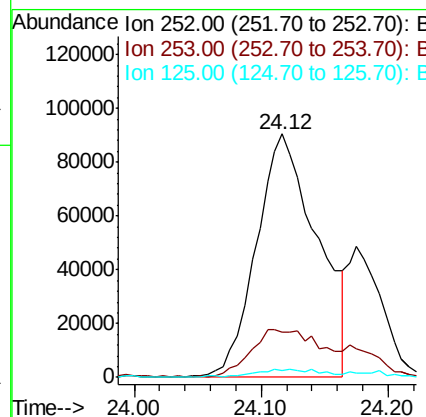
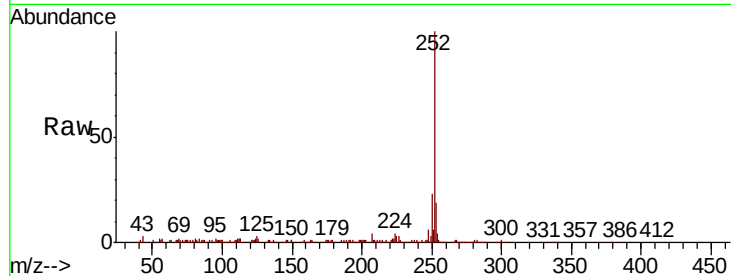
#88
Benzo(b)fluoranthene
Concen: 11.112 ng/ul
RT: 24.12 min Scan# 3536
Delta R.T. 0.01 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	18.7	18.2	27.2
125	2.9	2.2	3.2

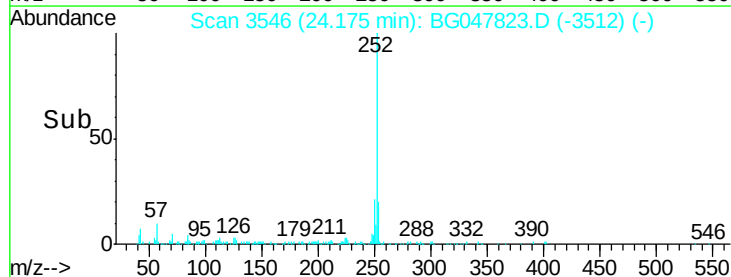
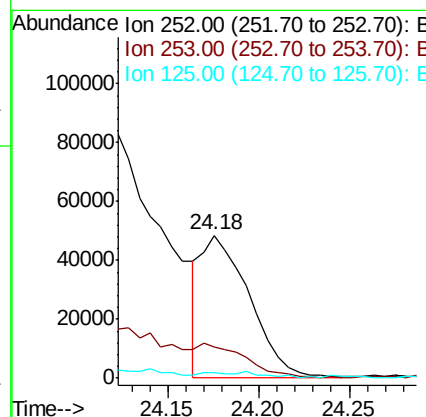
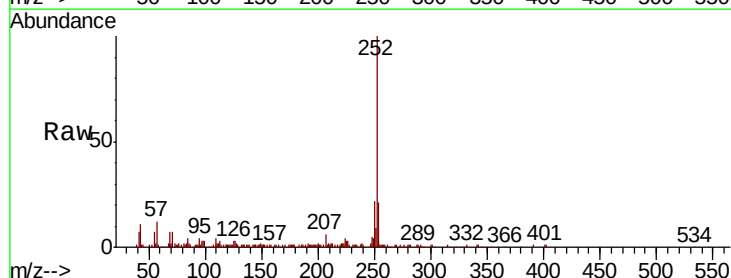
Manual Integrations
APPROVED

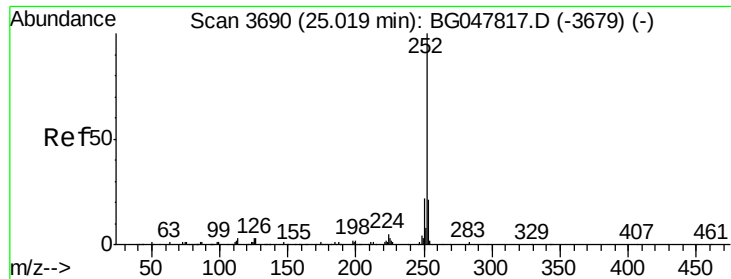
mohammad
12/28/2020 1:35:52 PM



#89
Benzo(k)fluoranthene
Concen: 3.328 ng/ul
RT: 24.18 min Scan# 3546
Delta R.T. -0.00 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.5	17.2	25.8
125	3.5	3.1	4.7





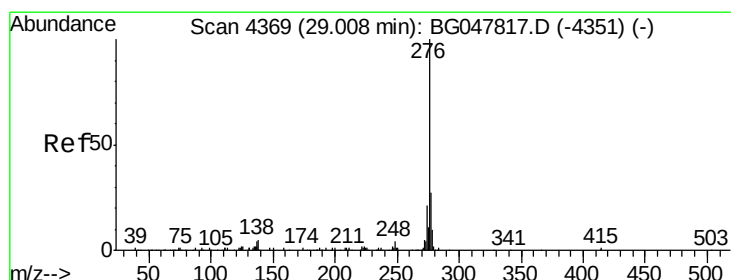
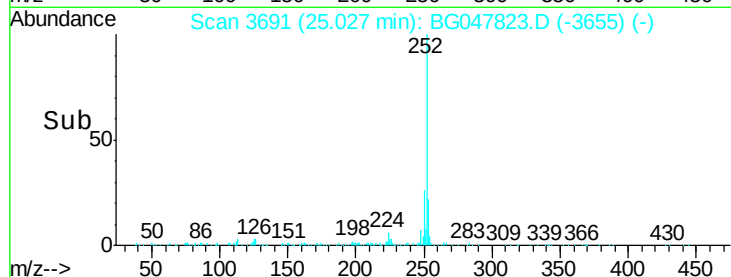
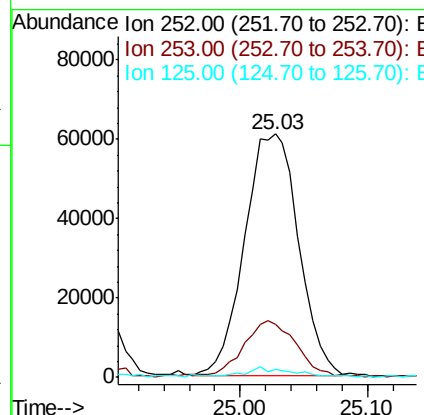
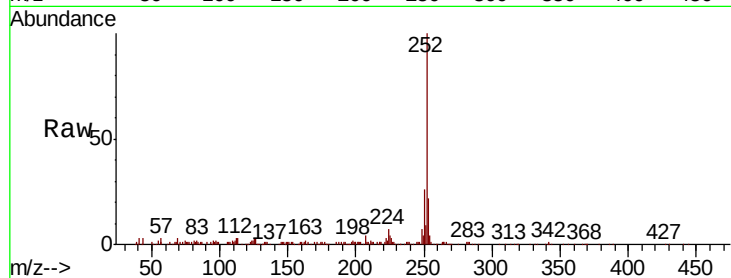
#91
Benzo(a)pyrene
Concen: 7.330 ng/ul m
RT: 25.03 min Scan# 3691
Delta R.T. 0.01 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	3.2	2.2	3.2

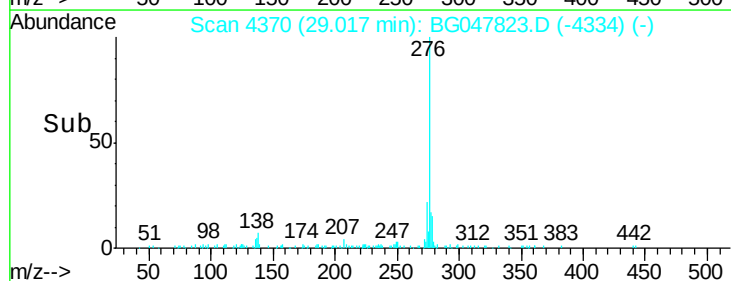
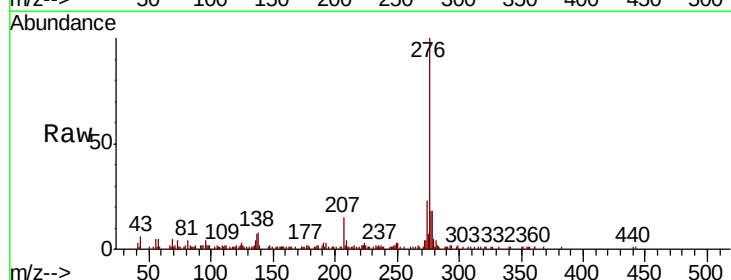
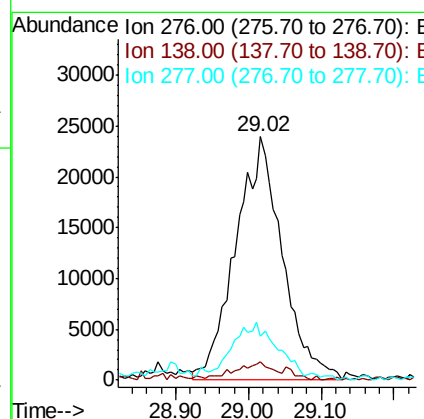
Manual Integrations
APPROVED

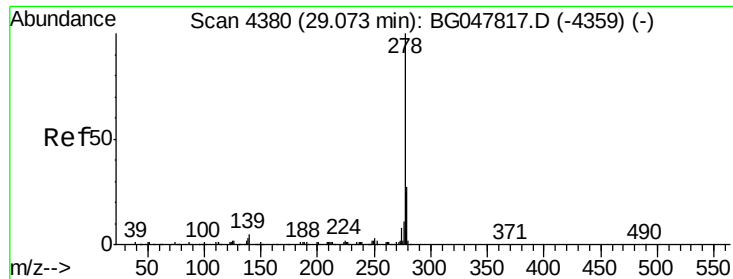
mohammad
12/28/2020 1:35:52 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 3.605 ng/ul m
RT: 29.02 min Scan# 4370
Delta R.T. 0.01 min
Lab File: BG047823.D
Acq: 24 Dec 2020 8:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.7	4.6	7.0#
277	18.3	19.9	29.9#





#93

Dibenzo(a,h)anthracene

Concen: 1.258 ng/ul m

RT: 29.08 min Scan# 4380

Delta R.T. -0.01 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Instrument :

BNA_G

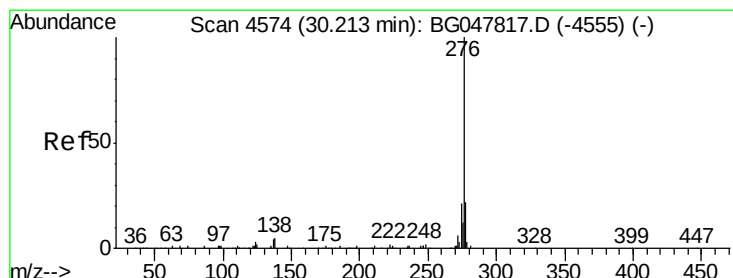
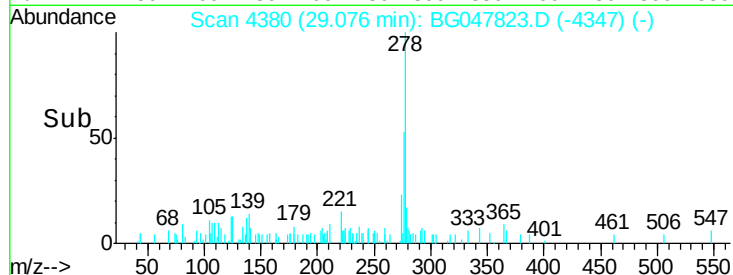
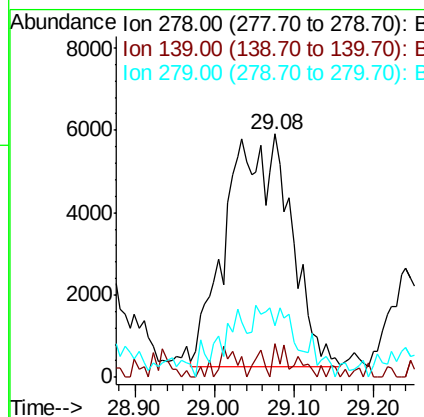
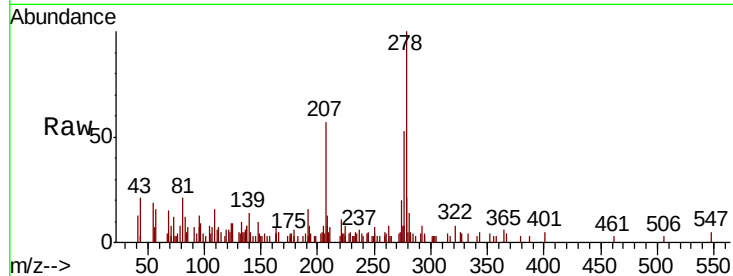
ClientSampleId :

CB897

Tot Ion:278	Resp:	31266
Ion Ratio	Lower	Upper
278 100		
139 13.7	5.1	7.7#
279 21.0	18.2	27.2

Manual Integrations
APPROVED

mohammad
12/28/2020 1:35:52 PM



#94

Benzo(g,h,i)perylene

Concen: 3.643 ng/ul m

RT: 30.22 min Scan# 4575

Delta R.T. 0.02 min

Lab File: BG047823.D

Acq: 24 Dec 2020 8:04

Tgt Ion:276	Resp:	88654
Ion Ratio	Lower	Upper
276 100		
138 5.5	5.4	8.0
277 26.0	17.8	26.8

