

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041936.D
 Acq On : 4 Aug 2019 10:34
 Operator : HP/JU
 Sample : K3850-05DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BENP4DL

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:20 PM

Quant Time: Aug 05 01:46:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 01:19:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	90381	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	384428	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	271014	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	567029	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	551234	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	652199	20.00	ng/ul	0.00

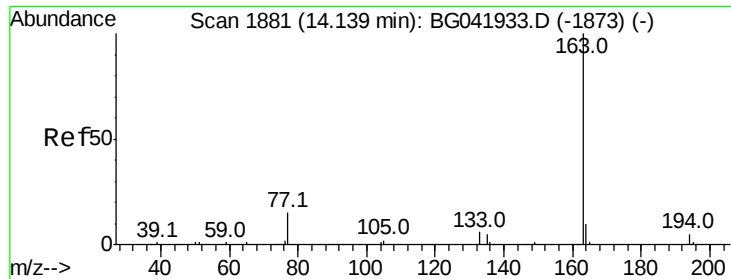
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	964	0.47	ng/uL	0.00
5) Phenol-d5	7.18	99	21245	3.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	12753	3.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	21638	3.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	17378	2.92	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	10040	3.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	12115	3.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	23596	3.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	7870m	1.05	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	82942	3.95	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	95440	3.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	8267m	2.34	ng/ul	0.02
57) Fluorene-d10	15.68	176	75983	4.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	5772	1.59	ng/ul	0.00
70) Anthracene-d10	17.54	188	119262	4.38	ng/ul	0.00
78) Pyrene-d10	19.83	212	132518	4.31	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	138399	4.06	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	14.14	163	27891	1.336 ng/ul	98
49) Acenaphthene	14.76	153	32975	1.946 ng/ul	98
58) Fluorene	15.74	166	32910	1.616 ng/ul#	95
69) Phenanthrene	17.49	178	580307	18.694 ng/ul	100
71) Anthracene	17.58	178	137412	4.364 ng/ul	98
75) Di-n-butylphthalate	18.41	149	245124	7.626 ng/ul	97
76) Fluoranthene	19.50	202	733144	20.441 ng/ul	99
79) Pyrene	19.86	202	990900	26.724 ng/ul	99
82) Benzo(a)anthracene	21.71	228	582253	15.234 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	1431636	71.893 ng/ul	95
84) Chrysene	21.78	228	647124	18.141 ng/ul	97
86) Di-n-octyl phthalate	22.86	149	272742	8.452 ng/ul	100
87) Benzo(b)fluoranthene	23.97	252	550795	13.457 ng/ul	99
88) Benzo(k)fluoranthene	24.03	252	205084m	5.211 ng/ul	
90) Benzo(a)pyrene	24.85	252	471836	12.098 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.74	276	222372	4.888 ng/ul	96
92) Dibenzo(a,h)anthracene	28.78	278	77051m	2.076 ng/ul	
93) Benzo(g,h,i)perylene	29.90	276	222446m	5.857 ng/ul	

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



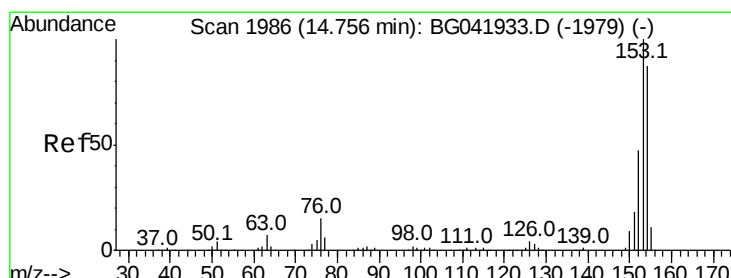
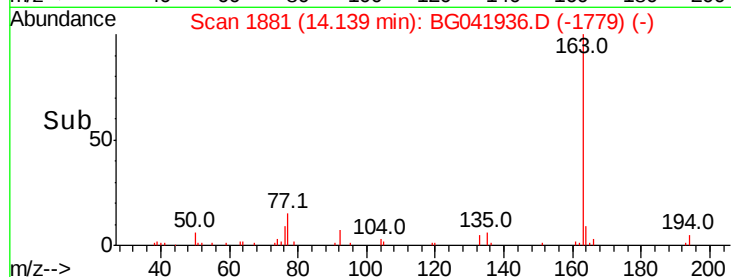
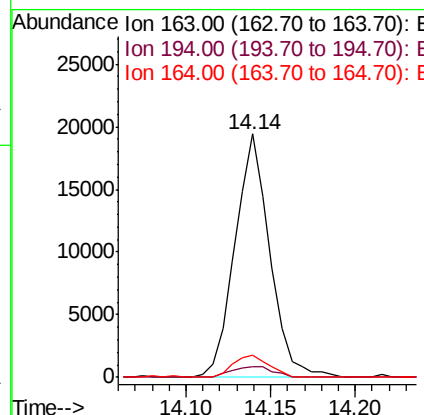
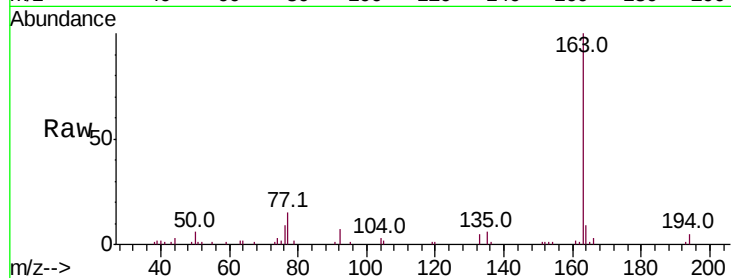
#44
Dimethylphthalate
Concen: 1.336 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Instrument :
BNA_G
ClientSampleId :
BENP4DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	8.9	7.8	11.8

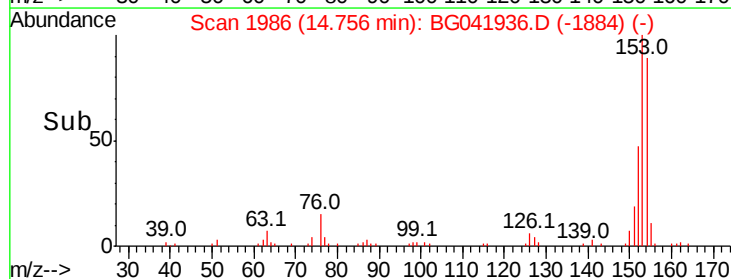
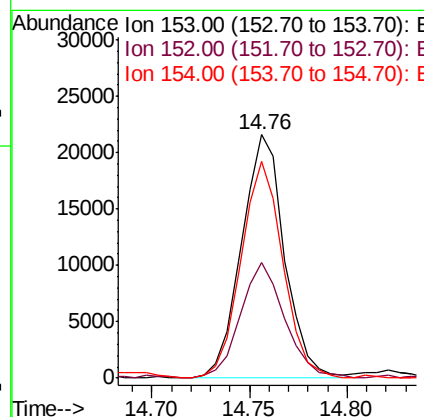
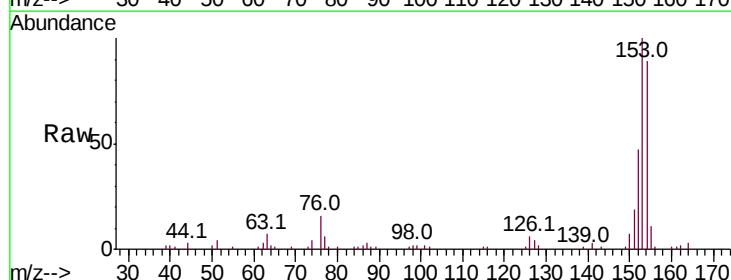
Manual Integrations
APPROVED

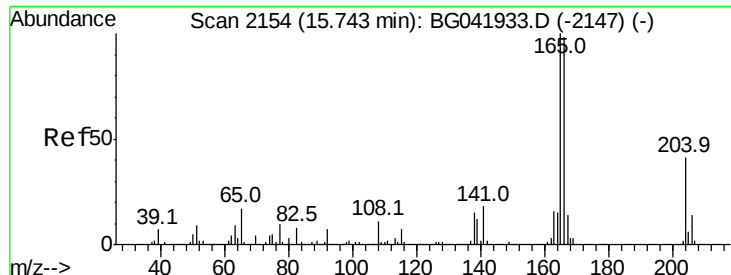
mohammad
8/6/2019 12:18:20 PM



#49
Acenaphthene
Concen: 1.946 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.8	56.8
154	88.8	69.4	104.2





#58

Fluorene

Concen: 1.616 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

ClientSampleId :

BENP4DL

Tot Ion:166 Resp: 32910

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

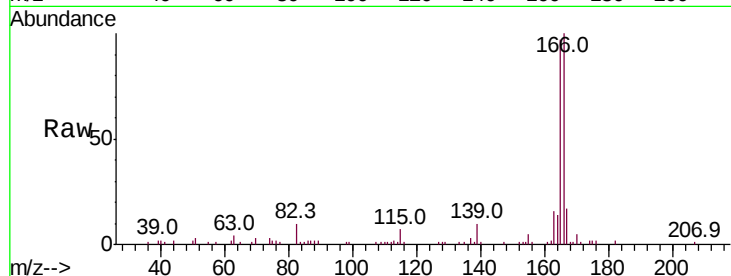
167 17.1 11.0 16.4#

Manual Integrations

APPROVED

mohammad

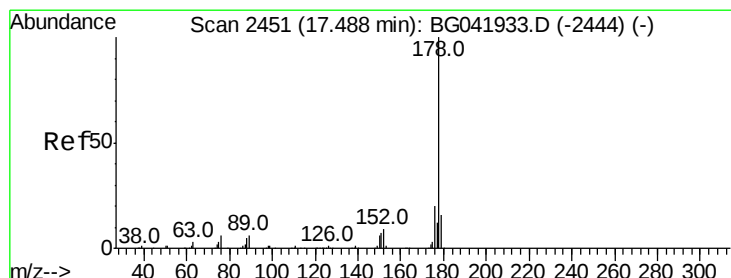
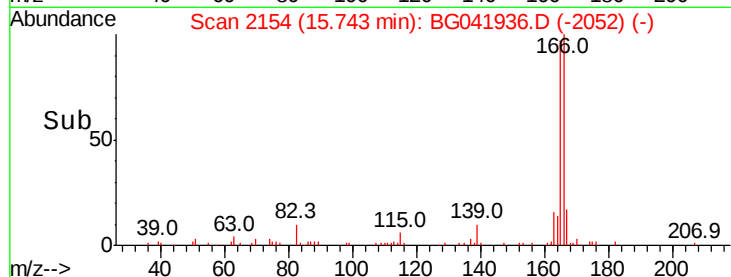
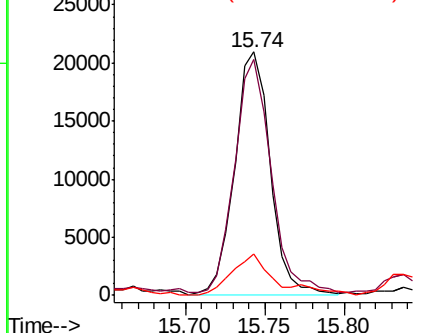
8/6/2019 12:18:20 PM



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



#69

Phenanthrene

Concen: 18.694 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

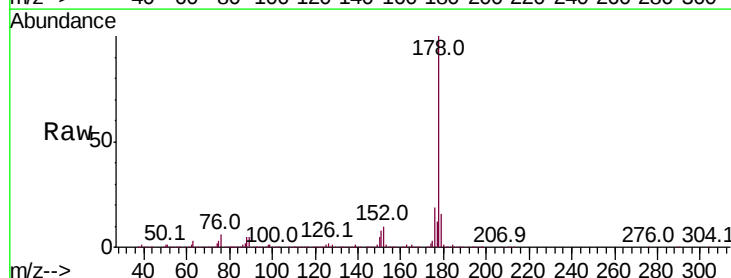
Tgt Ion:178 Resp: 580307

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

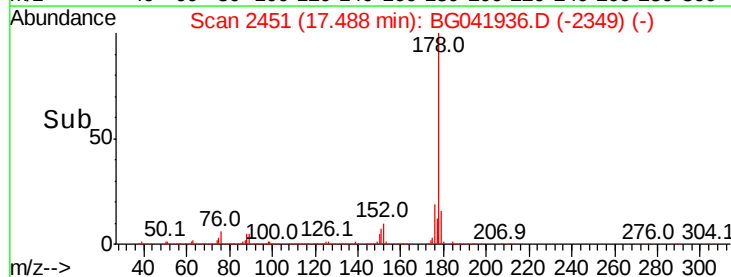
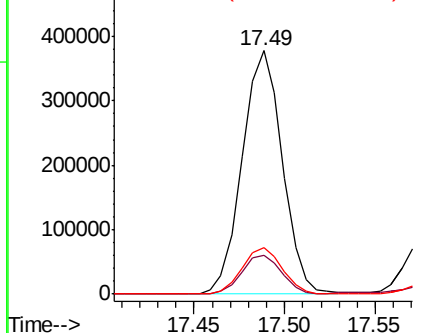
176 19.2 15.4 23.2

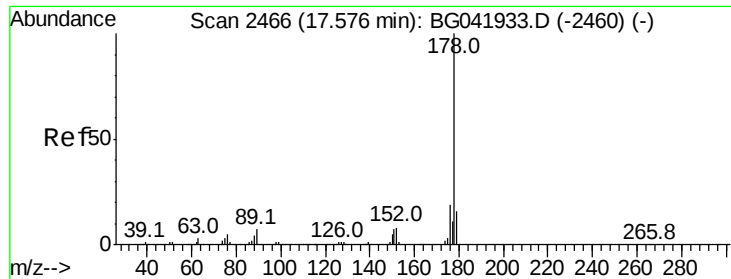


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





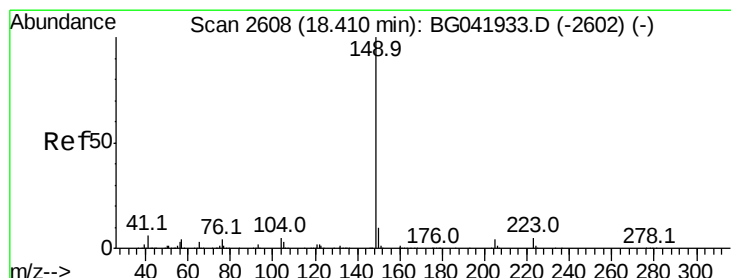
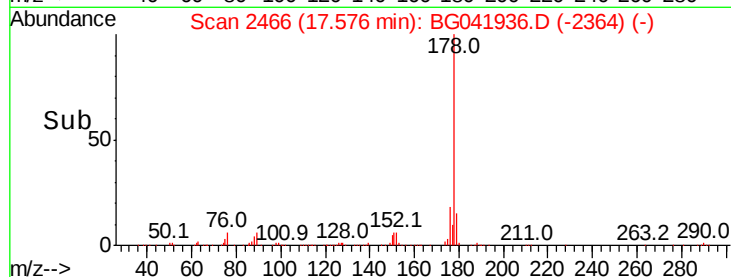
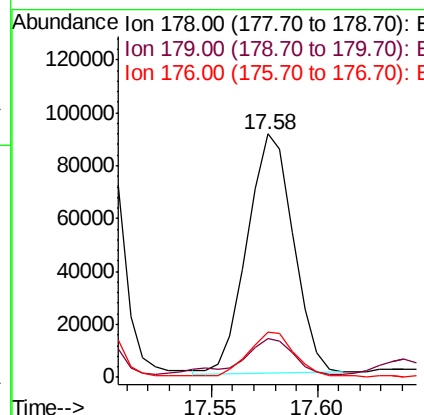
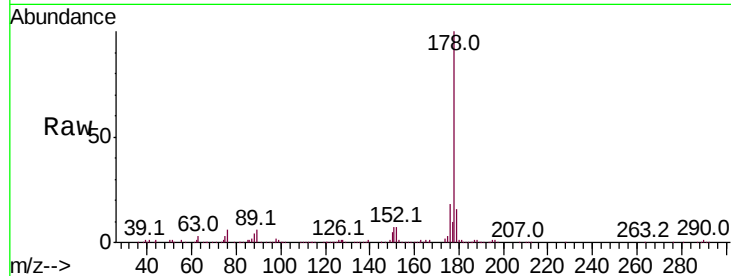
#71
 Anthracene
 Concen: 4.364 ng/ul
 RT: 17.58 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

Instrument :
 BNA_G
 ClientSampleId :
 BENP4DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.4	20.0
176	18.4	15.4	23.2

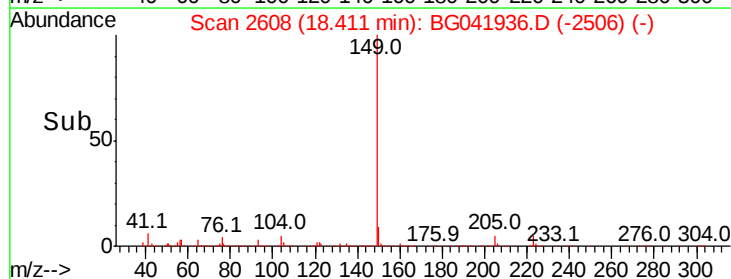
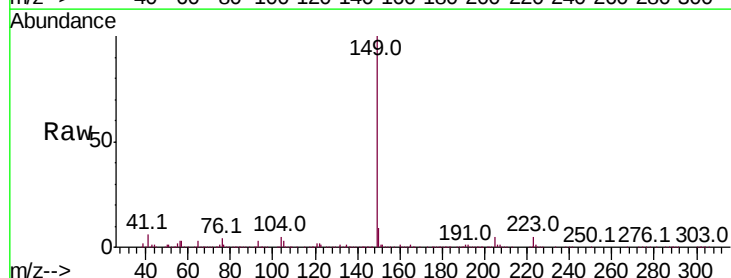
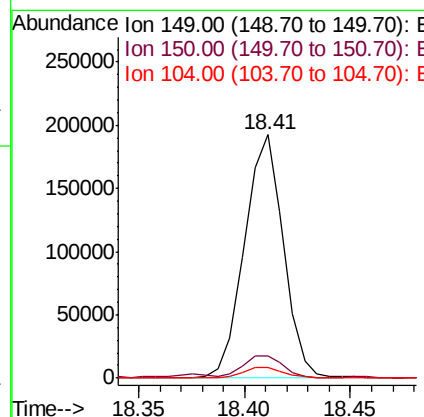
Manual Integrations
 APPROVED

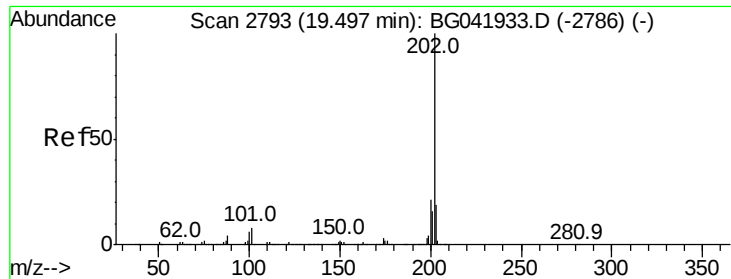
mohammad
 8/6/2019 12:18:20 PM



#75
 Di-n-butylphthalate
 Concen: 7.626 ng/ul
 RT: 18.41 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	8.3	12.5
104	4.6	3.9	5.9





#76

Fluoranthene

Concen: 20.441 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

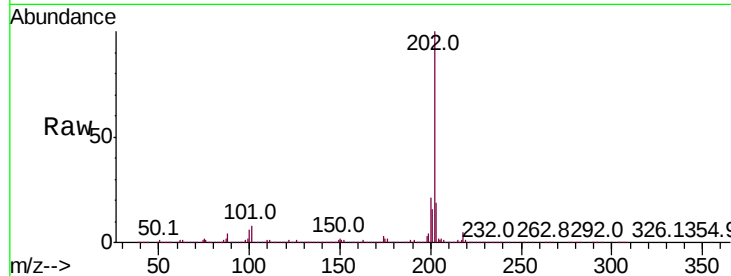
ClientSampleId :

BENP4DL

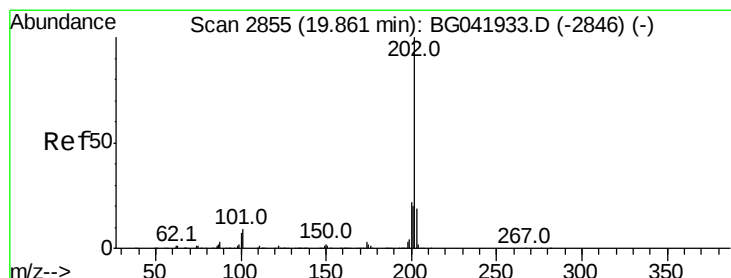
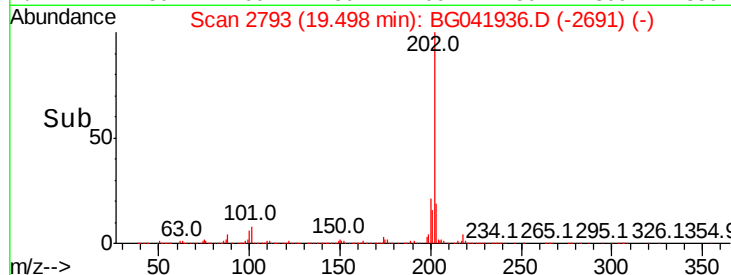
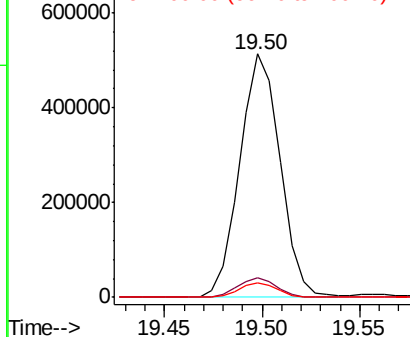
Tot Ion:	202	Resp:	733144
Ion Ratio	Lower	Upper	
202	100		
101	7.9	6.7	10.1
100	6.1	5.3	7.9

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:20 PM



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



#79

Pyrene

Concen: 26.724 ng/ul

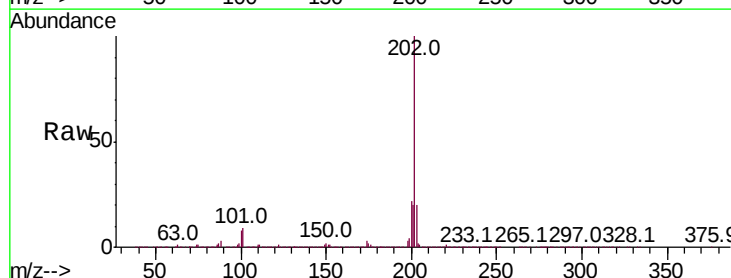
RT: 19.86 min Scan# 2855

Delta R.T. 0.00 min

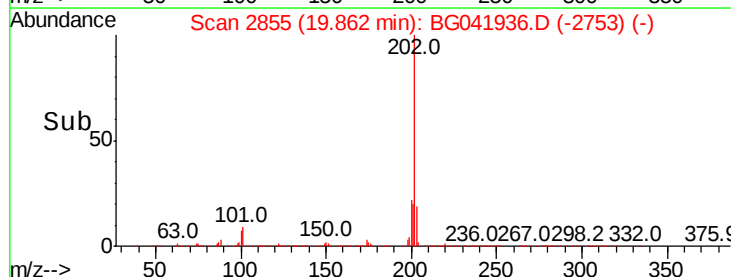
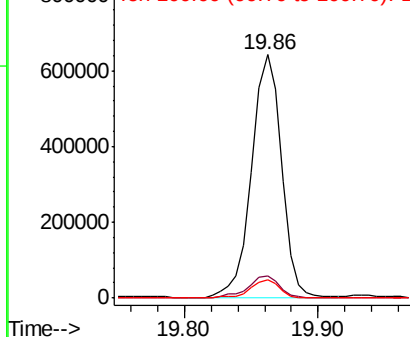
Lab File: BG041936.D

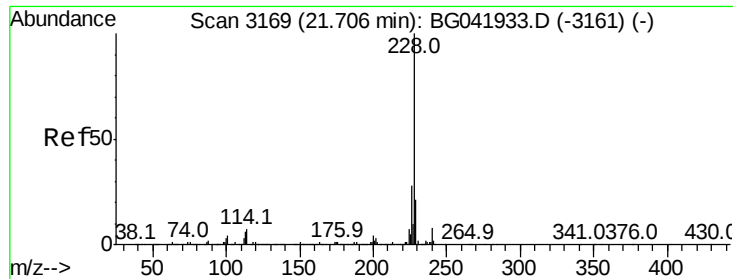
Acq: 4 Aug 2019 10:34

Tgt Ion:	202	Resp:	990900
Ion Ratio	Lower	Upper	
202	100		
101	9.4	7.6	11.4
100	7.5	6.5	9.7



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





#82

Benzo(a)anthracene

Concen: 15.234 ng/ul

RT: 21.71 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

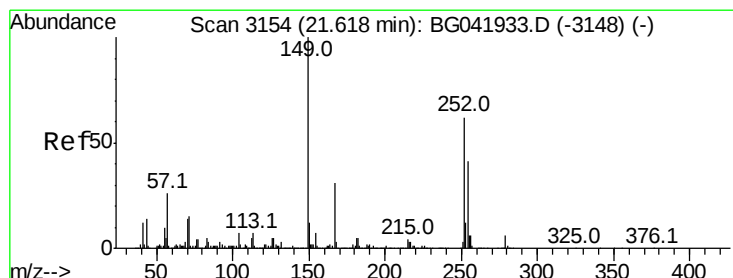
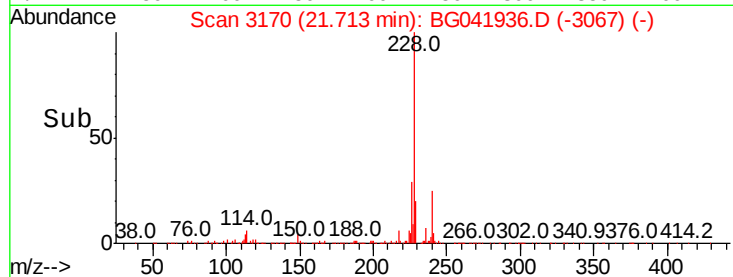
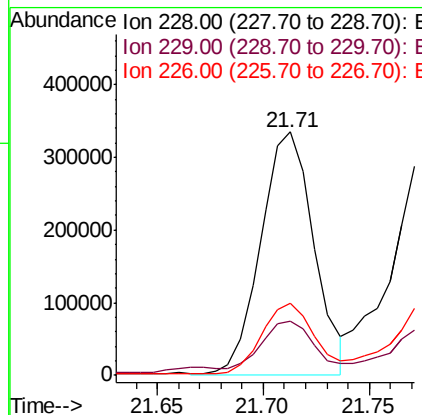
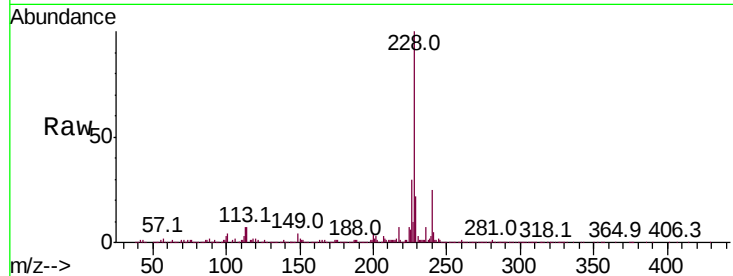
ClientSampleId :

BENP4DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.3	17.0	25.6
226	29.5	23.3	34.9

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:20 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 71.893 ng/ul

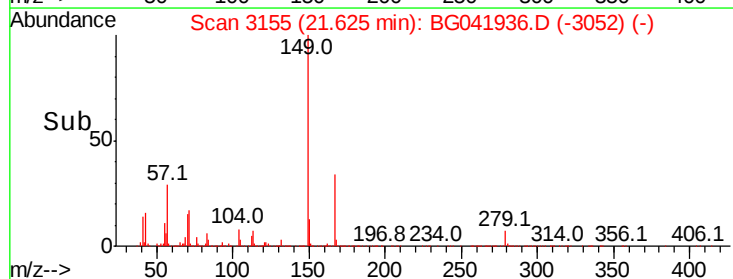
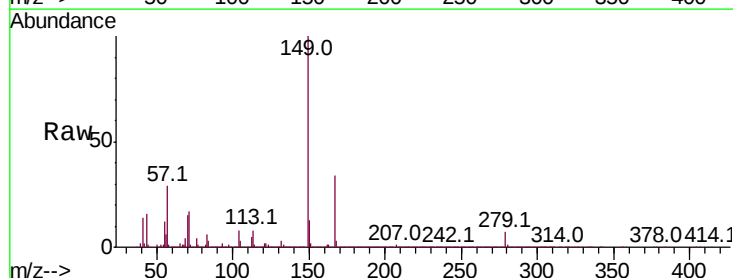
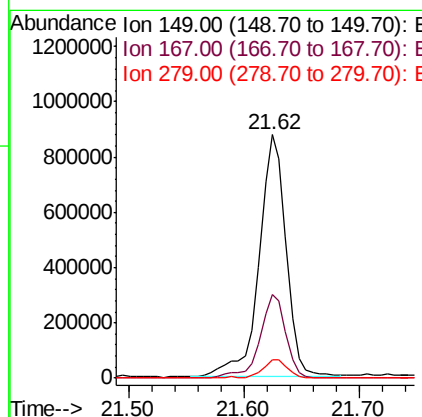
RT: 21.62 min Scan# 3155

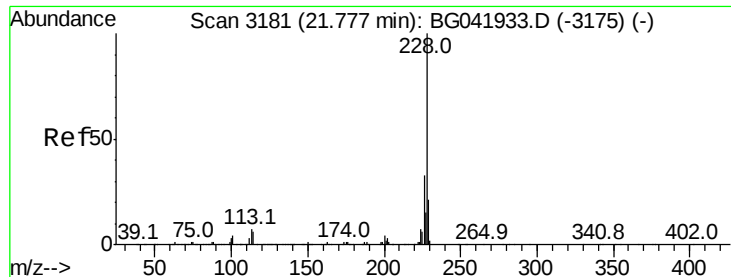
Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	34.4	25.0	37.4
279	7.3	5.2	7.8





#84

Chrysene

Concen: 18.141 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

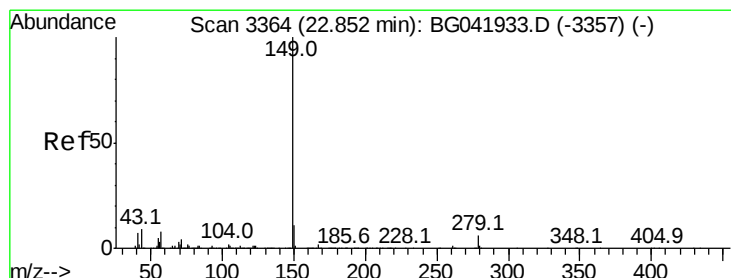
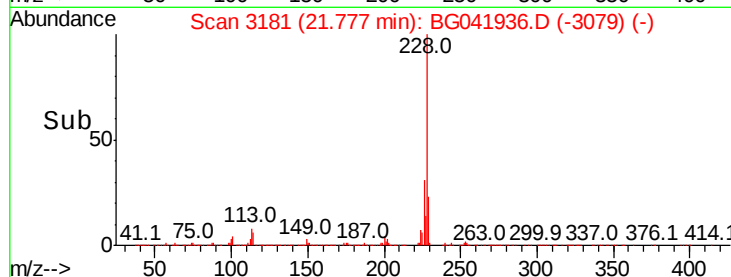
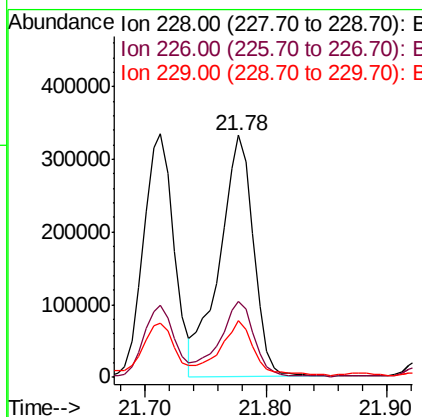
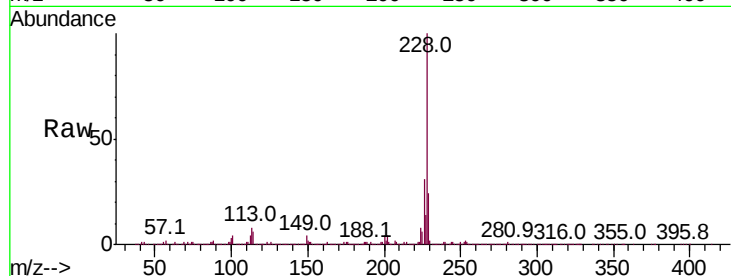
ClientSampleId :

BENP4DL

Tot Ion:	228	Resp:	647124
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.7	38.5
229	23.5	16.6	24.8

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:20 PM



#86

Di-n-octyl phthalate

Concen: 8.452 ng/ul

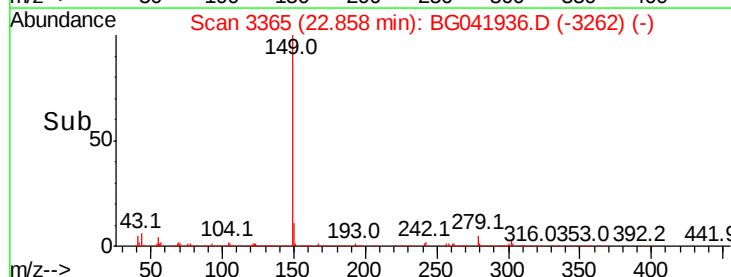
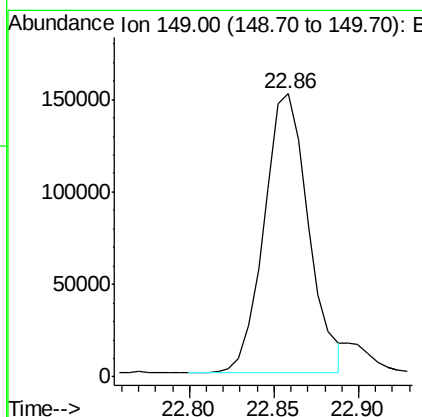
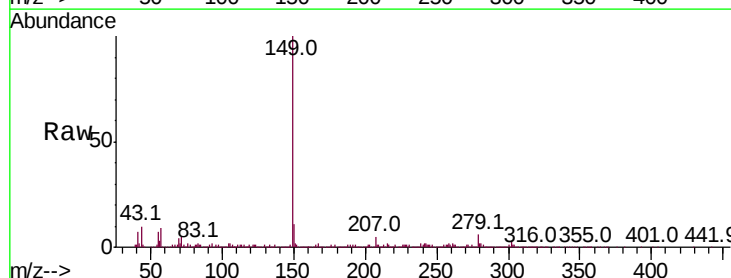
RT: 22.86 min Scan# 3365

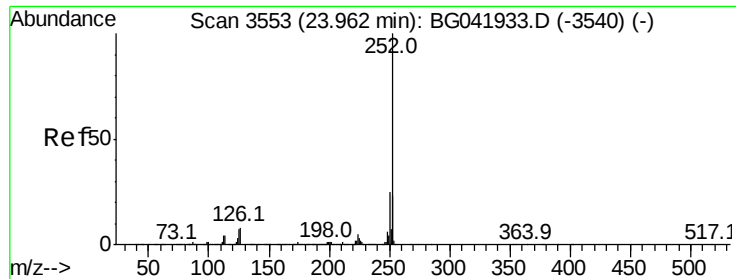
Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion:149 Resp: 272742





#87

Benzo(b)fluoranthene

Concen: 13.457 ng/ul

RT: 23.97 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

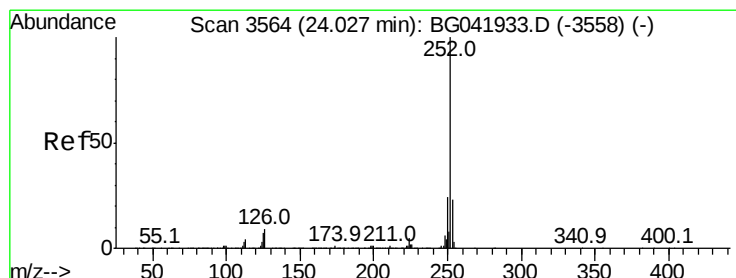
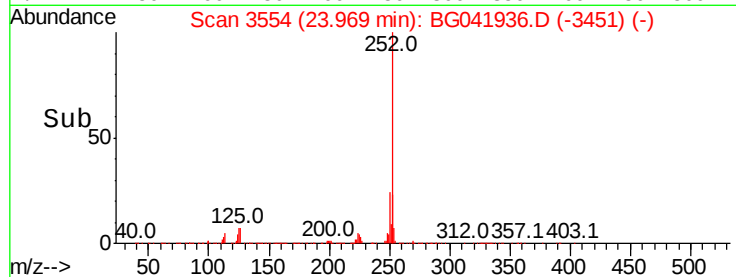
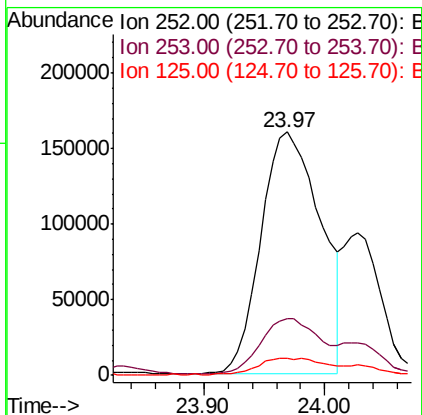
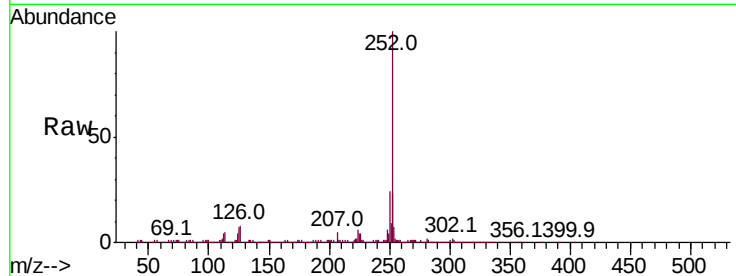
ClientSampleId :

BENP4DL

Tot Ion:	252	Resp:	550795
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	7.2	5.8	8.8

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:20 PM



#88

Benzo(k)fluoranthene

Concen: 5.211 ng/ul m

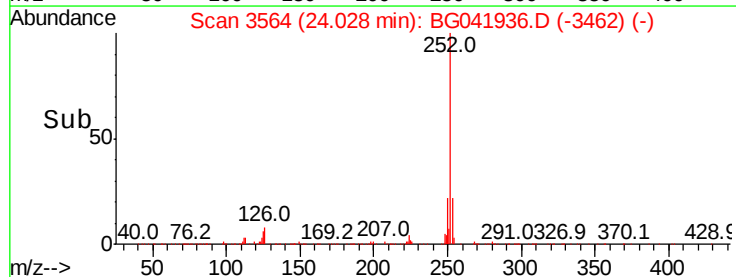
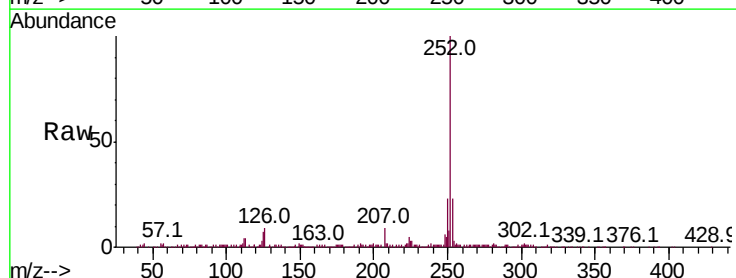
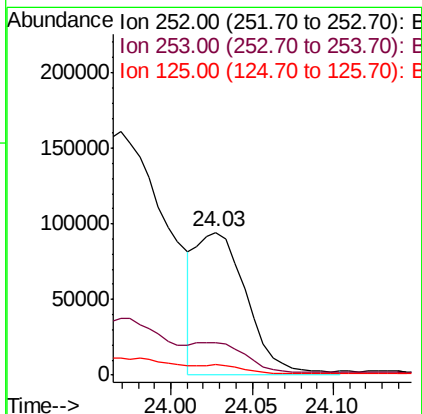
RT: 24.03 min Scan# 3564

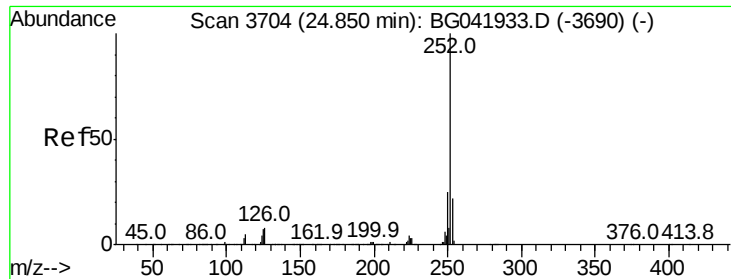
Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion:	252	Resp:	205084
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.3	27.5
125	7.2	5.5	8.3





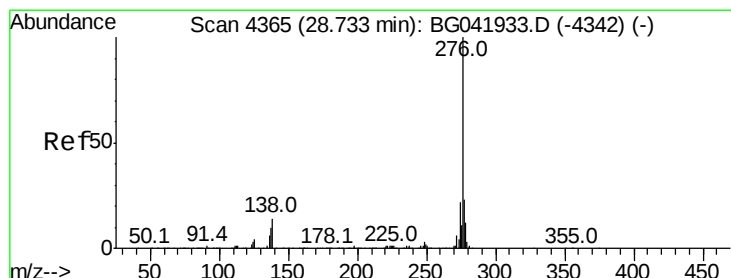
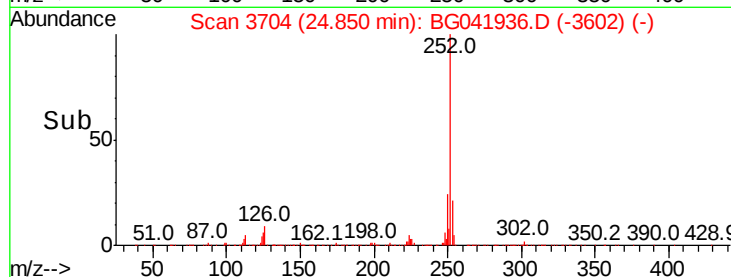
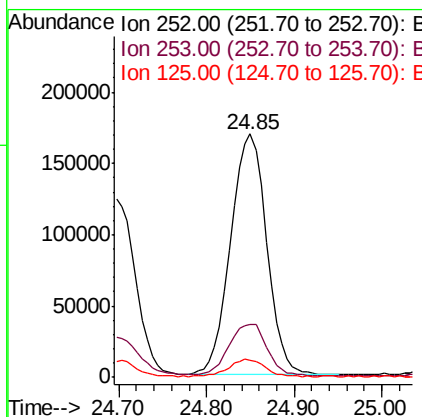
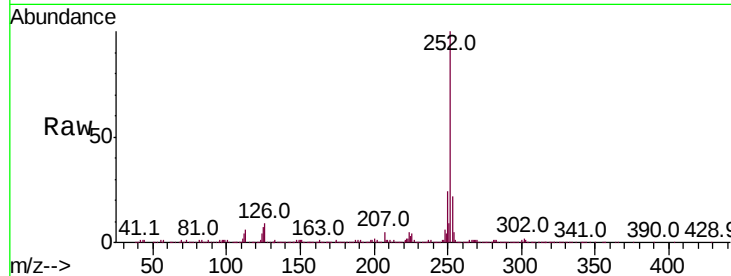
#90
Benzo(a)pyrene
Concen: 12.098 ng/ul
RT: 24.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Instrument :
BNA_G
ClientSampleId :
BENP4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.3	27.5
125	6.8	6.5	9.7

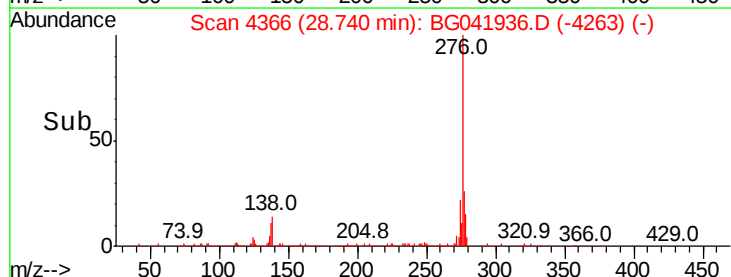
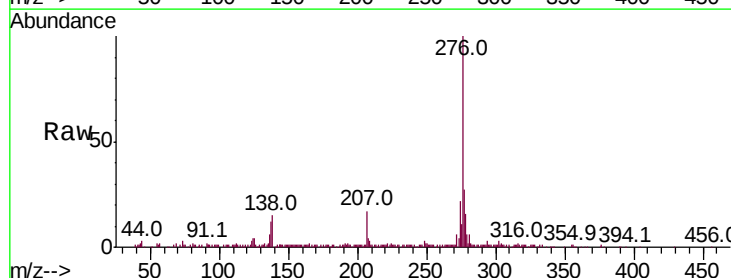
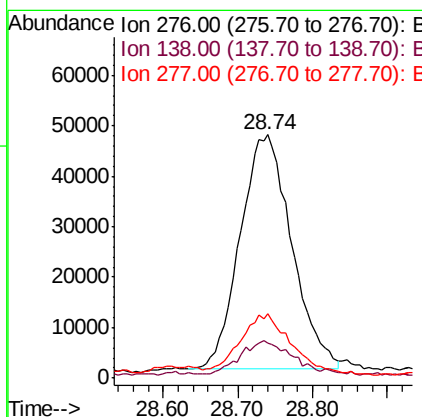
Manual Integrations
APPROVED

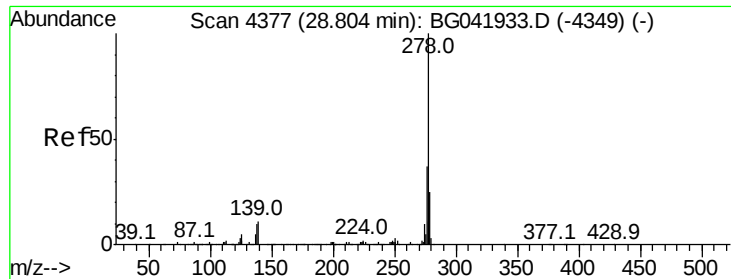
mohammad
8/6/2019 12:18:20 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 4.888 ng/ul
RT: 28.74 min Scan# 4366
Delta R.T. 0.01 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	12.0	18.0
277	26.6	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 2.076 ng/ul m

RT: 28.78 min Scan# 4373

Delta R.T. -0.02 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

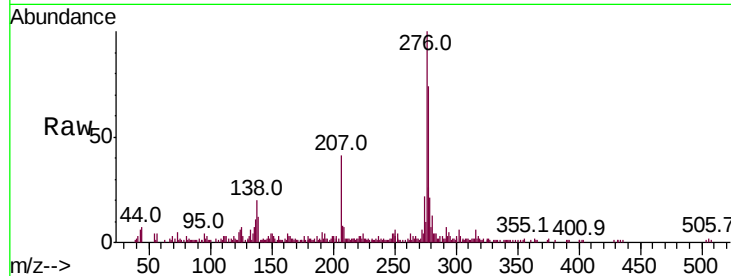
ClientSampleId :

BENP4DL

Tot Ion:	278	Resp:	77051
Ion Ratio	Lower	Upper	
278	100		
139	15.5	9.4	14.0#
279	28.3	19.2	28.8

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:20 PM

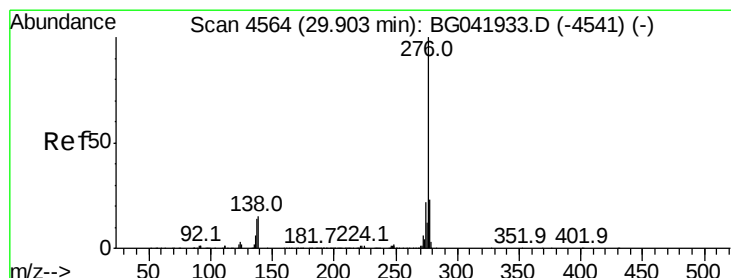
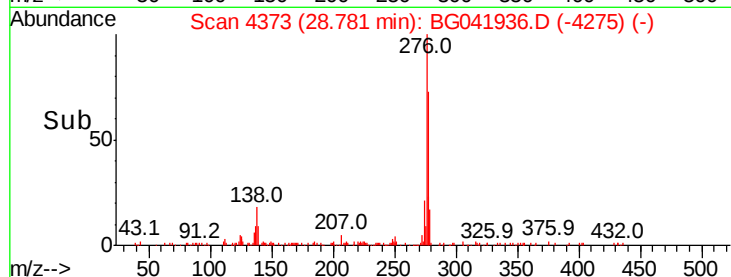
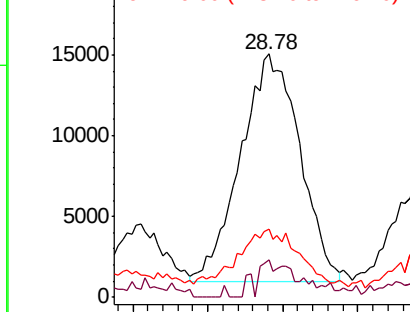


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 5.857 ng/ul m

RT: 29.90 min Scan# 4563

Delta R.T. -0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion:	276	Resp:	222446
Ion Ratio	Lower	Upper	
276	100		
138	14.5	12.6	18.8
277	23.8	19.2	28.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

